MUSKOGEE COMMUNITY RECYCLING AND DISPOSAL FACILITY
MUSKOGEE COUNTY, OKLAHOMA
ODEQ PERMIT NO. 3551020

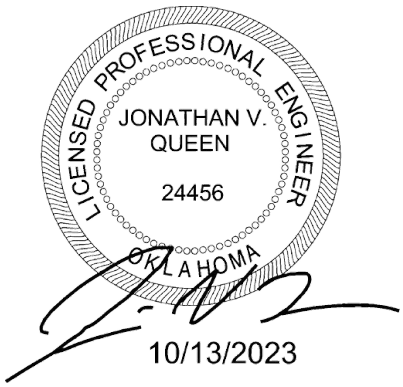
TIER III PERMIT MODIFICATION
LANDFILL EXPANSION

VOLUME 2A OF 4

Prepared for

Waste Management of Oklahoma, Inc.

October 2023



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WCG Project No. 0086-364-11-19

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Subsurface Investigation and Groundwater Study

MUSKOGEE COMMUNITY RECYCLING AND DISPOSAL FACILITY

MUSKOGEE COUNTY, OKLAHOMA
ODEQ PERMIT NO. 3551020

APPENDIX E

SUBSURFACE INVESTIGATION AND GROUNDWATER STUDY

Prepared for

Waste Management of Oklahoma, Inc.

October 2023

LICENSED PROFESSIONAL ENGINEER
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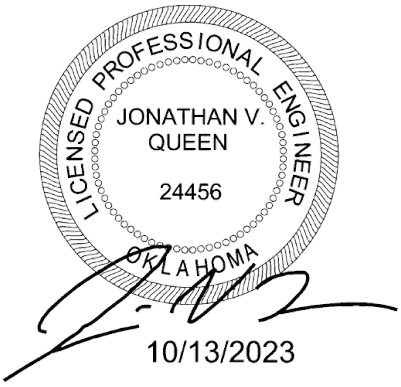

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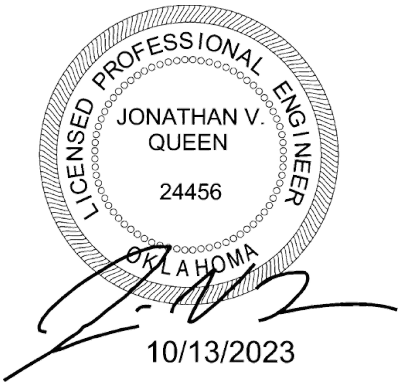

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1 SUBSURFACE INVESTIGATION

1.1 General

This subsurface investigation report has been prepared for the proposed expansion of the Muskogee Community Recycling and Disposal Facility (Muskogee RDF) in accordance with Oklahoma Administrative Code (OAC) 252:515-7-1. Several subsurface investigations have been conducted at the facility previously (prior to 2022) which characterized subsurface conditions and identified the uppermost saturated zone within the existing permitted permit boundary area in accordance with OAC 252:515-7-2.

The Site location, and existing and proposed permit boundary and waste disposal footprint areas, are shown on the USGS topographic quadrangle map of the area on Attachment E-1-1. The facility's existing permitted waste disposal area is comprised of 60.9-acres situated within an approximately 80.7-acre permit boundary that abuts the intersection of West 23rd Street and South 54th Street. The proposed expansion area includes a 65.5-acre waste disposal footprint situated within an approximately 316.8-acre permit boundary that connects to permitted landfill property within a northern parcel segment.

Weaver Consultants Group, LLC (WCG) and Envirotech (Driller) completed a subsurface characterization of the western expansion area in September/October 2022. Envirotech is a driller licensed to install monitoring wells in Oklahoma. The Driller utilized Shelby tube, split spoon, and air rotary coring techniques to advance and continuously sample the 2022 subsurface investigation boreholes. Downhole drilling equipment was decontaminated before use and in between each boring advancement. The western expansion area piezometers have stick-up (non-flush mount) completions. No multi-zone completions were warranted in the 2022 subsurface investigation. Borings which were not converted to piezometers were plugged with bentonite grout in accordance with Oklahoma Water Resources Board (OWRB) requirements referenced in OAC 785:35.

1.2 Summary of Subsurface Investigations

Previous subsurface investigations have served to characterize the existing landfill permit boundary area which is separated from the proposed expansion area by the old City of Muskogee Pre-Subtitle D landfill property.

Subsurface conditions for the permitted landfill were characterized utilizing the investigatory data collected since 1984 which were formally compiled into the following two hydrogeological reports prepared by Rust Environmental & Infrastructure (Rust).

* Hydrogeological Study (Rust, July 1993)

* Phase II Hydrogeological Investigation (Rust, October 1994)

These hydrogeological reports are provided, in their entirety, in Attachment E-8. Information and data pertaining to the 2022 subsurface investigation for the proposed western expansion area are provided and discussed further in subsequent Sections and Attachments of this Subsurface Investigation and Groundwater Study.

1.2.1 2022 Subsurface Investigation to Characterize the Western Expansion Area

In accordance with OAC 252:515-7-4, a subsurface investigation Drilling Plan to characterize of the proposed western expansion area was submitted on July 20, 2022, and revised on July 8, 2022. ODEQ approved the plan on July 14, 2022 as noted on the approval letter presented in Attachment E-7.

The 2022 subsurface investigation borehole and piezometer locations are indicated on Attachment E-1-2. WCG conducted the subsurface investigation in September/October 2022. A total of 19 borings were advanced and continuous sampled using dry hollow stem auger and air rotary coring methods. Groundwater piezometers were installed in six of the completed expansion borings (PWCG-1 through PWCG-6). The collected soil and rock core samples were continuously logged for lithologic attributes by a WCG Geologist. Field observations indicated a stratigraphic sequence of poorly consolidated surficial soils underlain by weathered and unweathered shale strata.

The uppermost saturated zone was identified within weathered shale strata. The 2022 expansion piezometers were screened in the uppermost saturated zone to investigate the hydraulic properties of the unit. No perched saturated zones were observed in the 2022 expansion borings. The subsurface information from the 2022 borings and piezometers are discussed further Section 3 (Groundwater Study).

1.3 Data Collection

Table 1-1 presents the lithologic log references. The borehole locations are shown on Attachment E-1-2.

1.3.1 Lithologic Logs

Subsurface information obtained from the 2022 subsurface investigation was used to prepare lithologic logs for each expansion borehole location in accordance with 252:515-7-33. The borehole locations are presented on Attachment E-1-2. The individual lithologic logs are presented in Attachment E-2. A summary of the 2022 WCG as-built borehole data is provided in Table 1-1 below.

Table 1-1
2022 WCG Subsurface Investigation Borehole Data

Borehole	Date Drilled	Surface Elevation (ft-msl)	Total Borehole Depth (ft-bgs)	Borehole Bottom Elevation (ft-msl)	Depth Below Expansion Areas Deepest Waste Placement
PWCG-1	2022-09-15	629.8	63.0	566.8	33.2
PWCG-2	2022-09-14	633.8	67.0	566.8	33.2
PWCG-3	2022-09-16	635.3	68.0	567.3	32.7
PWCG-4	2022-09-18	642.8	75.0	567.8	32.2
PWCG-5	2022-09-19	637.7	70.0	567.7	32.3
PWCG-6	2022-09-28	612.3	45.0	567.3	32.8
WCG-7	2022-10-02	628.1	60.0	568.1	31.9
WCG-8	2022-10-01	626.1	60.0	566.1	33.9
WCG-9	2022-10-14	630.6	63.0	567.6	32.4
WCG-10	2022-09-30	622.7	55.0	567.7	32.3
WCG-11	2022-10-03	636.0	68.0	568.0	32.0
WCG-12	2022-09-30	620.5	53.0	567.5	32.5
WCG-13	2022-10-04	632.8	65.0	567.8	32.2
WCG-14	2022-10-15	643.1	75.0	568.1	31.9
WCG-15	2022-09-29	625.8	100.0	525.8	74.2
WCG-16	2022-10-05	633.1	65.0	568.1	31.9
WCG-17	2022-09-26	633.5	65.0	568.5	31.5
WCG-18	2022-10-12	632.8	65.0	567.8	32.2
WCG-19	2022-09-20	620.3	53.0	567.3	32.7

Deepest placement of waste in the Western Expansion Area = 616 ft-msl.

1.3.2 Geophysical Logs

In accordance with OAC 252:515-7-34, geophysical logging conducted during the 2022 subsurface investigation included gamma ray and neutron logs from the six installed groundwater piezometers (PWCG-1 through PWCG-6) and 100-foot-deep expansion borehole WCG-15. The geophysical logs are presented in Attachment E-2

and verify the subsurface characteristics and lithologic attributes observed and logged by WCG.

1.3.3 Soil and Rock Sampling

In accordance with OAC 252:515-7-35, WCG characterized the subsurface using split spoon and Shelby tube samples (advanced from surface to rejection). Air rotary core barrel samples were used to recover continuous core samples from the depth of maximum split spoon and Shelby tube penetration to total borehole depth.

WCG's lithologic samples were wrapped in plastic and placed in core boxes for storage. The samples were used for lithologic log descriptions and subsequent geotechnical laboratory analyses. The geotechnical testing data is provided in the Geotechnical Report in Attachment M and is also indicated on the individual lithologic logs in Attachment E-2.

2 REGIONAL HYDROGEOLOGIC STUDY

2.1 Regional Structural Geology

Regional geology was thoroughly characterized in the Hydrogeological Study reports for the permitted landfill area (Rust, 1993 and 1994) which are included in Attachment E-8 for reference. The facility is located within the Northern Shelf geologic Province. The Northern Shelf extends northward into Kansas and is bounded to the east by the Ozark Uplift and to the west by the Nemaha Uplift as indicated on Attachment E-1-5 (Oklahoma Geologic Province Map). The Nemaha Uplift is a regional structural feature that extends from central Oklahoma into southern Nebraska (Lawson and Luza, 1995). The uplift is the result of the sharp uplift of small crustal blocks along the uplift axis during Pennsylvanian time (Lawson and Luza, 1995).

2.2 Regional Stratigraphy

Regional Geology consists of Quaternary to Mississippian period sedimentary formations. The dominant sediments are from the Pennsylvanian-age Desmoinesian Series (Krebs Group), the Atokan Series, and the Quaternary Holocene and Pleistocene series. The regional surface geology and stratigraphic column are presented on Attachment E-1-4 (adapted from USGS Digital Geologic Map Database, 2003).

Quaternary alluvium and terrace deposits are present proximal to the Arkansas River and along associated tributaries. The lithologies of the Krebs Group are characterized as marine shales interbedded with sandstone, limestone, and coal (Bingham and Moore, 1975). The Krebs Group is comprised, from oldest to youngest, of the Hartshorne Formation, McAlester Formation, Savanna Formation, and Boggy Formation. (Bingham and Moore, 1975). As shown on the Regional Surface Geology Map (Attachment E-1-4), the proposed landfill western expansion area is located upon Savanna Formation outcrop with the McAlester and Hartshorne Formations outcropping to the immediate north/northeast and the Boggy Formation outcrop present to the immediately south/southeast.

2.2.1 Quaternary Deposits

The alluvial deposits mapped in the vicinity of the landfill consist of sand, silt, clay, and lenticular beds of gravel deposited in the recent flood plain of the Arkansas River. The terrace deposits consist of lenticular beds of sand, silt, clay and gravel associated with the Arkansas River. These Quaternary sediments are not present within or adjacent to the permitted facility or western expansion area and outcrop northwest and north of the facility approaching the Arkansas River and its tributaries.

2.2.2 Pennsylvanian Formations

The Boggy Formation outcrops immediately south and west of the facility and the site and is described as predominately sandstone with interbedded coal. Underlying the Boggy Formation is the Savanna Formation which outcrops across the western expansion area of the site. The Savanna Formation is described as predominately silty shale with some sandstone and discontinuous seams of limestone and coal. Regional geologic data indicate the Savanna Formation to be about 170 feet thick in the facility area, with thickness thinning toward the north, and dipping gently west/southwest. Several thin coal beds are delineated within the Savanna Formation including the Drywood, Rowe, Sam Creek, and Tallahassee (OGS, 1988). Underlying the Savanna Formation are the McAlester and Hartshorne Formations which outcrop north of the site and are described as undifferentiated shale and sandstone with interbedded coals.

2.3 Regional Groundwater Conditions and Water Resources

Groundwater in the region is largely sourced from Quaternary sediments associated with Arkansas River alluvium and terrace deposits (where present) and from Pennsylvania sandstone and sandy shale sediments. Water resources in the area are supplied largely from surface water sources. The City of Muskogee obtains its raw water from Fort Gibbons Lake reservoir located north of the City of Muskogee (Muskogee City website). Some residents and businesses obtain their water supplies from private water supply wells. Review of regional water well logs indicates that the majority water wells with domestic usage are screened in shallow Quaternary alluvium/terrace sediments or within Pennsylvania sandy shale and sandstone strata screened less than 200 feet below ground surface.

In accordance with OAC 252:515-3-54(b)(4), 252:515-3-54(b)(6), and 252:515-3-72, a review of the ODEQ and OWRB online water resource databases was completed in September 2022. The ODEQ surface water intake database indicated that there were no surface water supply intakes located within three miles of the facility.

According to ODEQ and OWRB online databases, water wells are not present in the landfill area. According to these databases, there are no public water supply wells located within two miles of the proposed permit boundary. The OWRB water well database indicates there are six private (domestic) water wells within three miles of the proposed permit boundary (see Attachment E-1-3). None of these wells are located on the landfill property. As noted in Attachments E-1-13A, E-1-13B, E-1-13C, and E-1-13D (Potentiometric Head Surface Contour Maps) in the Groundwater Study, groundwater beneath the western expansion area generally flows from the east and toward the northeast, east, and southeast. Based on this flow regime, none of the private water supply wells are located immediately down gradient from the landfill.

3 GROUNDWATER STUDY

3.1 Introduction

This section summarizes the hydrogeological characterization for the proposed western expansion area of Muskogee RDF as supported by the data and observations from the 2022 subsurface investigation. The 2022 subsurface investigation included the advancement of 19 geotechnical borings and the installation of six groundwater piezometers (PWCG-1 through PWCG-6) consistent with the ODEQ-approved July 2022 Drill Plan. The 2022 borehole and piezometer locations are presented on Attachment E-1-2. The individual lithologic logs are presented in Attachment E-2.

3.2 Site Structural Geology

Major structural features in the vicinity consist of regional faults which include the Muskogee Fault in addition to other smaller offsets regionally as described in the 1993 Hydrogeological Study (Rust, 1993). The most significant feature is the Muskogee Fault which is located northwest of the site and trends southwest to northeast.

3.3 Site Stratigraphy

Regional and local geologic maps of the facility area are presented on Attachment E-1-4 (Regional Surface Geology Map and Stratigraphic Column) and Attachment E-1-6 (Local Surface Geology Map and Stratigraphic Column). The geologic maps indicate that the western expansion area is wholly located upon Pennsylvania-age Savanna Formation sediments. These deposits consist predominately unconsolidated to poorly consolidated surficial clay, silt, and sand sediments overlying weathered and unweathered shale with occasional coal and limestone seams.

The following site-specific, hydrostratigraphic units were developed for the expansion area which are consistent with the subsurface investigation nomenclature for the permitted landfill facility area. The individual units have

classifications based on lithologic characteristics and hydrogeologic functionality – as noted in the exploration borehole logs (Attachment E-2).

Eight site specific geologic cross-sections were prepared utilizing the 2022 subsurface investigation data and observations. The cross-section locations are indicated on Attachment E-1-7 (Geologic Cross-Section Location Map). The individual geologic cross-section drawings are presented as Attachments E-1-8A through E-1-8H; inclusive.

3.3.1 Surficial Sediments

Surficial Sediments were observed across the majority of western expansion area with uppermost contacts extending from surface grade to a depth 28 feet below ground surface. These sediments consist predominately of unconsolidated to poorly consolidated clay, silt, and sand, with varying degrees of plasticity and coarseness, derived from the in-situ weathering of Savanna Formation shale on outcrop. These sediments are mostly dry with some slightly moist intervals observed infrequently. No wet or saturated intervals were observed. Most expansion borings encountered sand and silt on grade overlying more extensive intervals of interbedded clay, silt, and sand. Field and laboratory testing indicate low to high plasticity in intervals where surficial sediments contain appreciable clay content.

Surficial sediments have been removed for soil borrow in limited areas where the underlying weathered shale strata was observed at surface. Expansion boring WCG-9 was the only expansion borehole location absent surficial sediments on grade at time of drilling.

3.3.2 Weathered Shale Zone

Beneath the Surficial Soils resides indurated sediments of the Weathered Shale Zone which were observed in all western expansion area borings with uppermost contacts depths extending from existing grade (in the vicinity of WCG-9) to 28 feet below ground surface. A Top of Weathered Shale Contour Map is presented as Attachment E-1-10.

Sediments in this zone consist of dense, hard, indurated, plastic, mudstone and claystone shale exhibiting varying degrees of moisture content and fracturing, and occasional thin seams of interbedded clay. A thin seam of dry shaley coal was also present within this zone in WCG-19. Fractures and slickensides were observed throughout this zone with intervals of heavily fractured shale observed in all expansion boreholes.

Weathered Shale Zone sediments are mostly dry with some moist intervals and with less frequent extents of saturated fractured shale present in limited intervals near the base of the Weathered Shale Zone observed in seven expansion borings (PWCG-1 through PWCG-6, and WCG-19). The uppermost saturated zone is contained

exclusively within these limited intervals of weathered shale which exhibit confined fracture-porosity conditions. Laboratory testing indicates high degrees of plasticity throughout the weathered shale sediments. Extensive laboratory permeability testing conducted on numerous weathered shale samples indicates low vertical permeability with values ranging from 6.3×10^{-9} to 1.1×10^{-7} cm/sec. The basal Weathered Shale Zone is an aquitard where present above the saturated portions of the weathered shale. This zone was encountered in all existing expansion area boreholes with the deepest sampled elevation encountered at 612.25 ft-msl in PWCG-6.

3.3.3 Unweathered Shale Zone

Beneath the Weathered Shale Zone resides dry, indurated, gray and black sediments of the Unweathered Shale Zone which were observed in all western expansion area borings with uppermost contact depths ranging from 24 to 46 feet below ground surface. A Top of Unweathered Shale Contour Map is presented as Attachment E-1-10. This zone is characterized as unweathered due to the lack of mineral weathering stains, textural alterations, low moisture content, and a lack of saturated zones.

Sediments in this zone consist of dense, hard, indurated, mudstone and claystone shale exhibiting varying degrees of plasticity and fracturing, and occasional minor discontinuous thin seams of interbedded coal and limestone. These seams have no significant hydrogeologic significance due to their dry and discontinuous nature. Fractures and slickensides were observed throughout this zone in all expansion boreholes.

The Unweathered Shale Zone is an aquitard with respect to groundwater present in the overlying saturated portions of the Weathered Shale Zone. This zone was encountered in all existing expansion area boreholes with the deepest sampled elevation encountered at 525.8 ft-msl in WCG-15.

3.3.4 WCG Piezometer Installations in 2022

The piezometer locations are shown in Attachments E-1-2, E-1-7, E-1-9, E-1-10, E-1-11, E-1-12, E-1-13A, E-1-13B, E-1-13C, and E-1-13D. The six WCG piezometers installed in 2022 were surveyed by an Oklahoma-licensed surveyor. The as-built survey reports are included in Attachment E-6.

In the WCG 2022 subsurface investigation, six piezometers were installed in accordance with the ODEQ-approved Drilling Plan. The piezometers were installed for groundwater study purposes in the proposed western expansion area. All WCG piezometers were completed in accordance with OWRB piezometer requirements. The completion details included 2.0-inch Schedule 40 PVC casings, 0.01-inch factory-slotted screens, top and bottom caps, 20-40 mesh filter packs, and bentonite chip annular seals to surface. In accordance with OAC 252:515-7-53(d), the

piezometers were constructed with five-foot or ten-foot length screens with surface completions to facilitate potential conversion to groundwater monitoring wells.

The 2022 piezometers were developed to remove drilling artifacts. Disposable bailers were used to surge/purge the piezometers. The development continued until the discharging purge water was colorless.

3.4 Groundwater Evaluation

In accordance with OAC 252:515-7-54, groundwater data including uppermost saturated zone elevations, potentiometric head elevation data, regional precipitation data, and hydraulic conductivity determinations for the western expansion area are included in Tables 3-1 through 3-5.

3.4.1 Groundwater Measurements

In accordance with OAC 252:515-7-54(b), WCG began recording static groundwater potentiometric head elevations in the western expansion area piezometers beginning in October 2022. Continuous groundwater potentiometric head elevations are monitored via dedicated transducer data loggers. A barometric logger was also installed to correct potentiometric head elevation due to barometric pressure changes. The transducer logger potentiometric head elevation data are presented on Attachments E-1-15 and E-1-16.

In addition, WCG began gauging groundwater potentiometric head elevations manually using a water level meter, starting in October 2022. Table 3-1 presents the manually gauged groundwater potentiometric head elevations.

Table 3-1
Groundwater Potentiometric Head Elevation Measurements

Piezometer Number	Measurement Date			
	10/18/22	12/27/22	04/07/23	07/31/23
PWCG-1	623.18	624.28	626.01	625.33
PWCG-2	621.65	621.15	621.97	621.18
PWCG-3	627.86	627.54	628.72	628.61
PWCG-4	636.56	636.12	638.76	637.85
PWCG-5	622.78	622.02	624.02	625.10
PWCG-6	604.50	606.16	609.24	607.49

Elevation listed in feet above mean sea level.
TBD – Groundwater potentiometric head elevations To Be Determined at time of future gauging.

3.4.2 Highest Groundwater Elevation Determination

Pursuant to OAC 252:515-7-54(a), the highest groundwater elevations beneath the western expansion area were determined. As discussed in Section 3.3.2, groundwater was observed within fractured weathered shale in seven of the 2022 expansion borings (PWCG-1 through PWCG-6, and WCG-19).

Groundwater within the zone of saturation is isolated by the bounding unsaturated shale strata. Unsaturated sediments located above the zone of saturation form an aquitard that confines groundwater contained within the underlying uppermost aquifer. The unsaturated shale sediments located immediately below the zone of saturation form an aquitard comprising the lower confining unit to groundwater contained within the overlying uppermost aquifer.

The top of uppermost saturated zone elevations and corresponding highest gauged static potentiometric head elevations are presented in Table 3-2. These data indicate that confined groundwater exhibits a potentiometric head ranging from about 11 to 36 feet higher than the top of the uppermost saturated zone.

According to OAC 252:515-1-2 (Definitions), "groundwater" is defined as "*water below the land surface in a zone of saturation*" and "Zone of Saturation" is defined as "*a subsurface zone in which essentially all the interstices are filled with water under pressure greater than that of the atmosphere*". Therefore, the top of the uppermost saturated zone observed at time of drilling constitutes the highest groundwater elevation for evaluating groundwater/waste separation pursuant to OAC 252:515-7-54(a). Consequently, this means the static potentiometric head elevation data have no regulatory implication in evaluating groundwater/waste separation. Therefore, the continued collection of groundwater potentiometric head elevation data from the expansion piezometers serves solely to provide ancillary information for groundwater gradient and flow assessment for the confined uppermost groundwater present within the fractured porosity shale.

A summary of field observations, groundwater study, and hydrologic interpretations is provided in Section 3.5.

Table 3-2
Highest Groundwater Elevation Determination

Boring Number	Highest Observed Groundwater Elevation (Top of the Uppermost Saturated Zone) (ft-msl)	Highest Measured Static Potentiometric Head Elevation (ft-msl)	Potentiometric Head Differential (vertical separation in feet)
PWCG-1	599.8	626.14	26.34
PWCG-2	593.8	622.61	28.81
PWCG-3	600.3	629.51	29.21
PWCG-4	602.8	639.02	36.22
PWCG-5	597.7	625.71	28.01
PWCG-6	598.3	609.84	11.54
WCG-7	Not Observed	Not Observed	Not Observed
WCG-8	Not Observed	Not Observed	Not Observed
WCG-9	Not Observed	Not Observed	Not Observed
WCG-10	Not Observed	Not Observed	Not Observed
WCG-11	Not Observed	Not Observed	Not Observed
WCG-12	Not Observed	Not Observed	Not Observed
WCG-13	Not Observed	Not Observed	Not Observed
WCG-14	Not Observed	Not Observed	Not Observed
WCG-15	Not Observed	Not Observed	Not Observed
WCG-16	Not Observed	Not Observed	Not Observed
WCG-17	Not Observed	Not Observed	Not Observed
WCG-18	Not Observed	Not Observed	Not Observed
WCG-19*	592.1*	Not Observed*	Not Observed*

Highest observed groundwater elevations are commensurate with top of uppermost saturated zone.
Highest measured static potentiometric head elevations based on piezometer readings by WCG.
* No piezometer installed in borehole WCG-19.

3.4.3 Regional Precipitation Data

Table 3-3 presents the daily and monthly precipitation data from August 2021 through September 2023 as recorded at the Muskogee-Davis Regional Airport. The airport is located about seven miles south-southeast of the landfill and is the closest climatological station. According to the Oklahoma Climatological Survey (OCS) the average annual rainfall over the last 25 years at the Muskogee-Davis Regional Airport is about 42.5 inches, and total rainfall during 2022 was about 46-inches.

Table 3-3
Muskogee Regional Precipitation Data

Day	Year and Month																								
	2021				2022												2023								
	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0.02	0	0.55	T	0	0.03	0	T	0	0.06	0.24	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0.34	0.28	0	T	0.31	0	0.13	2.89	0	0	0	0.01	0	0	0	0.92	0.04	0.84	0	0	0	0	0	0
3	0	0	0.29	0	0	0.04	0	0	0	T	0	0	0	0	0	0	0	0	0.32	0	0	0.1	0.04	0	0
4	1.17	0	0	0.02	0	0.01	0	1.31	3.75	0	0	0.78	0	0	1.02	0.03	0	0	0	0.01	1.01	0	0	0	0
5	0.39	0	0	0.3	0	0	0	0	3.72	0.38	0	0	T	0	0	0	0	0	0	0.03	0	0.16	0.08	0	0
6	0	0	0	T	0	0	0.35	0	0	1.68	0	0	0	0	0	0	0	0	0	0	0	0	1.32	1.29	0.02
7	0	0	0	0	0	0	T	T	0	0.14	0	0	0	0	0	0.22	0	0.6	0.6	0	0	0	0	1.18	0
8	0.15	0	0	0	T	0	T	0	0	2.02	0.04	0	0	0	0	1.14	0	1.29	0.61	0	0	0	0.26	0.57	0.05
9	0	0	0	0	0.01	0	0	0	0	0	0.05	0.9	0	T	0	T	0	0	0.33	0	0.01	0	1.12	0.38	0
10	0	0.57	1.01	T	0	0	0	0	0	2.19	0	0	0	0.08	0.13	0.61	0	0	0	0	0.06	0.29	0	0	0
11	0	0.06	0	0	0	0	0.08	0.17	0	0	0	0	T	T	0.75	0	T	0	0	0	0.01	0	0.12	0.01	0.58
12	0	T	0.02	0	0	0	0	0	0	0	0	0	0	0.03	0	0.09	T	0	0	0	0	0.02	0	0	0.39
13	0	2.06	0	0	0	0	0	1.13	0.03	0	0	0	0	0	0	0.61	0	0	0	0	0.53	0	0.34	0	0
14	0	0.11	0	T	T	0	T	0	0	0	0	0	0	T	0.21	0	0	0.66	0	0	0.13	0	0.1	0.05	0
15	0	0.13	0	0	0.03	0	T	T	0.21	0	0	0	0	0.26	0	0	0	0.38	0	0	1.42	0	0	0	0
16	0	0	0	0.06	0	T	0	0.99	0	0	0	0	0	0.18	T	0	T	0	0.61	0	0	0.26	0	0	0
17	0	0	0	1.47	0	0.43	0.08	T	T	0	T	0.15	0	0	T	0	0	0	0	0	0	0	0.01	0	0
18	0	0	0	0.13	0	0	0.45	0	0	0	0	T	0	0	T	0	1.01	0	0	0	0	0	0	0	0
19	0	0	0	0	0.02	0	0	T	0.03	0	0	0	0	0	0	T	0	0	0	0	ND	0	0	0	0.2
20	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	ND	0	0	0	1.77
21	0	0	0.03	0	0	0.07	2.03	0	0.02	0	0.04	0.04	0	0	0	0	0.01	0	0.29	0	0	0	0.16	0	0.05
22	0	0	0	0	0	0.15	T	0	0	0	0	0.01	0	0	0	T	T	0.57	0	0	0	0	0	0	1.48
23	0	0	0	0	0	0.39	0	0	0.54	0	0	T	0	0	0.47	0	0	0	0.37	0	0	0	0	0	0.57
24	0	T	0.07	0	0	0.05	0	2.2	0.46	0	0	0	T	1.49	0.96	0	0.74	0	0.91	0	0.19	0	0	0	0.76
25	0	0	0.03	0	0	0	0	0	0.41	0	0	0	T	1.17	0	0	T	0.02	0	0.75	0.01	0	0	0	0
26	0	0	0	0	T	0	0	0	0.07	0	0	0	0	0	0.33	0.01	0	0.28	0	0.52	0	0	0	0	0
27	0	1.27	0	0	0	0	0	0	0	0	0.02	0	0	T	0.03	0	T	0.03	0	0.47	0	0.83	0	0	0
28	0	0.55	0	0.06	0	0	0	0.82	0	T	0.27	T	0	0.03	0	0	T	0	0	0.05	0	0	0	0	0
29	0.23	0.01	0	0.08	0	ND	0	0	0	0	1.16	0	0	0.13	0	0	T	ND	0	0.05	0	0	0	0	0
30	0.05	0	0	0	0	ND	1.36	0.16	T	0	0.01	0	0	0	0	0	0.06	ND	0.23	0	0	0	0	0	0
31	ND	0	ND	0.2	0	ND	0	ND	0	ND	0.19	0	ND	0	ND	0	0.07	ND	0	ND	0	ND	0	0	ND
Total	1.99	5.1	1.75	2.32	0.61	1.45	4.35	7.14	12.13	6.41	1.78	1.94	0.25	3.37	3.9	2.71	2.81	3.87	5.11	1.88	3.37	1.66	3.55	3.48	5.87

T = Trace of precipitation noted, but no amount recorded.
ND = Not a calendar date or no data recorded.

3.4.4 Groundwater Flow Regime

Four potentiometric surface contour maps are presented in this study as Attachments E-1-13A, E-1-13B, E-1-13C, and E-1-13D. These contour maps were produced using manually gauged static groundwater potentiometric head surface gauging conducted by WCG in the expansion area piezometers. These maps indicate consistent groundwater flow from a potentiometric high in the eastern portion of the expansion area at PWCG-4 toward the northwest, west, and southwest.

3.4.5 Permeability of the Stratigraphic Units

WCG conducted rising head slug tests on the six expansion piezometers in November 2022 for the purpose of estimating in-situ horizontal hydraulic conductivity of the uppermost saturated zone. In-Situ pressure transducer/data loggers recorded potentiometric head rise verses time response following slug removal. Water level displacements were achieved using new disposable bailers and the potentiometric head response to slug withdrawal (rising head) were recorded. Solutions for hydraulic conductivity were estimated using Aqtesolv® aquifer testing computer application to match the normalized head response curves to established confined aquifer solutions. The individual Aqtesolv® reports for each tested piezometer are presented in Attachment E-4. The slug testing estimated hydraulic conductivity (K values) are presented in Table 3-4.

The slug tests yielded hydraulic conductivity values ranging from 8.83×10^{-6} cm/sec (PWCG-5) to 2.81×10^{-3} cm/sec (PWCG-6) with a mean of 5.18×10^{-4} cm/s. The slug test derived hydraulic conductivities are markedly different from the vertical hydraulic conductivities obtained from geotechnical laboratory measurements. The laboratory measurements indicate a mean vertical hydraulic conductivity of 4.23×10^{-8} cm/s for 11 samples tested. The laboratory's vertical hydraulic conductivity values range from a minimum of 1.8×10^{-8} cm/s to a maximum of 3.3×10^{-7} cm/s.

The site's average hydraulic gradient is approximately 0.014 ft/ft between piezometers PWCG-4 and PWCG-6. This gradient is based on the potentiometric surface contours presented on Attachments E-1-13A, E-1-13B, E-1-13C, and E-1-13D. An effective porosity in the fractured saturated Weathered Shale Zone has been estimated at 10 percent (Driscoll, 1986). In Table 3-4, the linear velocity calculations use a hydraulic gradient of 0.012 ft/ft, the hydraulic conductivity values computed from the slug tests, and an effective porosity (n_e) of 0.1.

The following equation was used to calculate mean linear velocity:

$$V = K_F * i * 1{,}034{,}646 / n_e,$$

Where:

V = average linear velocity (feet per year)
K = hydraulic conductivity (in cm/s)
i = hydraulic gradient (0.012 ft/ft)
1,034,646 = scalar to convert from cm/s to feet per year
n_e = effective porosity (0.1 for fractured rock/shale)

As indicated in Table 3-4, liner groundwater velocity varies considerably among the western expansion area piezometers with a calculated mean estimated velocity of 75.06 feet per year.

Table 3-4
In-situ Hydraulic Conductivity (K) Measurements and Linear Velocity Estimates

Fractured Shale Uppermost Aquifer		
(Horizontal Hydraulic Conductivities from Slug Test Solutions)		
Test Location	**Hydraulic Conductivity (K) (in cm/sec)**	**Computed Linear Groundwater Velocity (ft/yr)**
PWCG-1	1.84E-05	2.67
PWCG-2	1.77E-04	25.57
PWCG-3	1.84E-05	2.67
PWCG-4	7.51E-05	10.88
PWCG-5	8.83E-06	1.28
PWCG-6	2.81E-03	407.32
Maximum	2.81E-03	407.32
Minimum	8.83E-06	1.28
Mean:	5.18E-04	75.06

Table 3-5
Geotechnical Laboratory
Vertical Hydraulic Conductivity (K_v) Results

Vertical Hydraulic Conductivities from Geotechnical Laboratory Testing		
Test Location	**Sample Depth (ft)**	**Hydraulic Conductivity (Kv) (in cm/sec)**
PWCG-1	21	1.40E-08
PWCG-3	28	6.30E-09
PWCG-3	39	1.50E-08
PWCG-4	27	6.70E-09
PWCG-4	38	3.10E-08
PWCG-5	27	3.40E-08
PWCG-6	10	1.10E-07
WCG-10	16	4.60E-08
WCG-15	31	1.10E-07
WCG-19	18.5	1.40E-08
WCG-19	26.5	7.80E-08
Maximum	-	1.10E-07
Minimum	-	6.30E-09
Mean:	-	4.23E-08

3.5 Hydrogeologic Interpretations

This section summarizes the findings of the field observations and groundwater study for the western expansion area. The uppermost saturated zone occurs within fractured weathered shale under confined conditions in the Weathered Shale Zone.

The top of the uppermost saturated zone elevation is commensurate with the highest groundwater elevation due to the confined groundwater conditions within the fractured weathered shale. Unsaturated Weathered Shale Zone and Unweathered Shale Zone sediments are an aquitard to groundwater where present within the overlying fractured weathered shale uppermost aquifer. Groundwater flow in the uppermost aquifer occurs under confined conditions through fractured Weathered Shale Zone sediments.

Fracture flow determination is based on visual drilling observations and hydraulic conductivity results. Slug tests yielded hydraulic conductivities that range from 10^{-3} to 10^{-6} cm/s (see Table 3-4). This contrasts with the geotechnical laboratory vertical hydraulic conductivity measurements of weathered shale that yielded

values ranging from 10^{-7} to 10^{-9} cm/s (see Table 3-5). Recharge to the uppermost saturated zone is most probable to occur as infiltration of precipitation through isolated fractures upgradient from the facility.

WCG measurements of static groundwater potentiometric head elevations in subsurface investigation piezometers yield a potentiometric surface that indicates groundwater flow from the east and toward the northwest, west, and southwest beneath the facility (see Attachments E-1-13A, E-1-13B, E-1-13C, and E-1-13D).

Attachment E-1-14 present hydrographs of continuous daily groundwater potentiometric head elevation data from the 2022 expansion piezometers data loggers. The data do not indicate any apparent acute visual correlation between precipitation events and corresponding increases in piezometer groundwater potentiometric head elevations. However, the magnitude of groundwater potentiometric head elevation changes exceed regional daily precipitation totals. For these reasons, it is believed the precipitation is captured and concentrated in surface fractures which rapidly transfer the precipitation to the uppermost aquifer fractured weathered shale saturated zone.

4 GROUNDWATER MONITORING

4.1 Existing Groundwater Sampling and Analysis Plan (GWSAP)

Attachment F in Volume 2 presents the facility's existing permitted Groundwater Sampling and Analysis Plan (GWSAP) prepared by Biggs and Mathews Environmental.

4.2 Proposed Groundwater Monitoring System

The proposed western expansion area groundwater monitoring system is shown on Attachment E-1-15 and includes a total of 10 groundwater monitoring wells situated around the perimeter of the western expansion area in a wrap-around approach. Details for the proposed western expansion groundwater monitoring wells are shown on Attachment E-1-16 (Proposed Groundwater Monitoring System Details). Five of the six existing groundwater expansion piezometers (PWCG-2 through PWCG-6) are proposed for conversion to groundwater monitoring wells and five additional well installations are to be added to allow groundwater monitoring of the uppermost aquifer around the entire western expansion area waste footprint. Lithologic logs for the piezometers proposed for conversion to groundwater monitoring wells are presented in Attachment E-5.

Expansion piezometer PWCG-4 is hydraulically upgradient from the landfill expansion area and is proposed to be converted to be converted to background monitoring well MW-11.

Expansion piezometers PWCG-2, PWCG-3, PWCG-5, and PWCG-6 are proposed for conversion to monitoring wells MW-9, MW-10, MW-12, and MW-14; respectively.

New monitoring well MW-13 is proposed to be installed at the centermost area of the southern expansion area boundary.

New monitoring wells MW-15, MW-16, MW-17, and MW-18 are proposed to be installed along the westernmost permit boundary area.

4.2.1 Site-Specific Design Considerations

The facility will install the proposed western expansion area Subtitle D monitoring system following ODEQ approval of the Tier III Permit Modification. The following items have been considered in the selection of groundwater monitoring well locations:

- The hydrogeologic characteristics of the facility and surrounding area have been discussed and evaluated in Sections 2 and 3.
- The direction and flow rate of groundwater have been discussed and evaluated in Sections 2 and 3.
- The purposed groundwater monitoring system is designed to detect a potential release from the western expansion area landfill unit and is therefore protective of health, safety, and the environment.

4.3 ODEQ Approval

The proposed expansion of the Muskogee RDF groundwater monitoring system will commence following ODEQ approval of the Tier III Permit Modification for the western expansion area. The existing six expansion piezometers are proposed for conversion to groundwater monitoring wells with additional four monitoring wells to be installed in tandem with piezometer conversions.

4.4 Performance Levels

The facility's groundwater monitoring wells will be operated and maintained such that they perform to their design specifications throughout the life of the groundwater monitoring program and the post-closure period.

5 REFERENCES

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ATTACHMENT E-1

FIGURES

Includes pages E-1-1 through E-1-16

CONTENTS

Attachment E-1-1 – USGS Topographic Quadrangle Map
Attachment E-1-2 – Borehole Location Map
Attachment E-1-3 – Groundwater Resource and Usage Map
Attachment E-1-4 – Regional Surface Geology Map and Stratigraphic Column
Attachment E-1-5 – Reginal Structural Geology Cross-Section
Attachment E-1-6 – Local Surface Geologic Map
Attachment E-1-7 – Geologic Cross-Section Location Map
Attachment E-1-8A – Geologic Cross Section A-A'
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Attachment E-1-8C – Geologic Cross Section C-C'
Attachment E-1-8D – Geologic Cross Section D-D'
Attachment E-1-8E – Geologic Cross Section E-E'
Attachment E-1-8F – Geologic Cross Section F-F'
Attachment E-1-8G – Geologic Cross Section G-G'
Attachment E-1-8H – Geologic Cross Section H-H'
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Attachment E-1-10 – Top of Unweathered Shale Contour Map
Attachment E-1-11 – Top of Uppermost Aquifer Contour Map
Attachment E-1-12 – Highest Measured Groundwater Potentiometric Head Surface Contour Map
Attachment E-1-13A – October 2022 Potentiometric Head Surface Contour Map
Attachment E-1-13B – December 2022 Potentiometric Head Surface Contour Map
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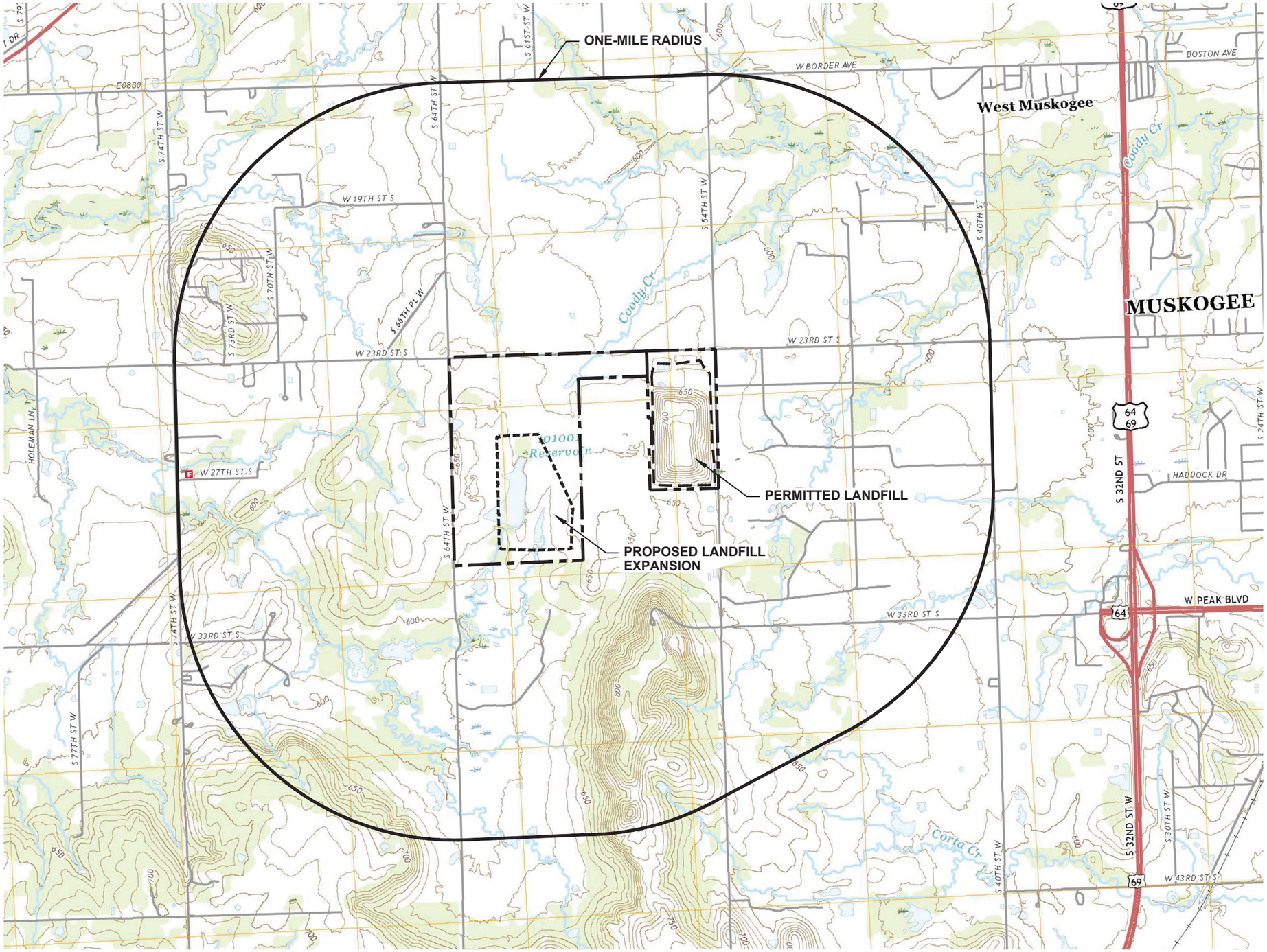
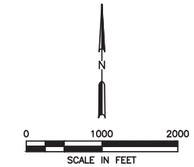
Attachment E-1-14 –Data Logger Groundwater Potentiometric Head Elevations
Attachment E-1-15 – Proposed Groundwater Monitoring System
Attachment E-1-16 – Proposed Groundwater Monitoring Well System Details





LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

ROAD CLASSIFICATION

- Expressway
- Secondary Hwy
- Ramp
- Local Connector
- Local Road
- 4WD
- Interstate Route
- US Route
- State Route

NOTES:

1. ADAPTED FROM USGS 7.5 MINUTE QUADRANGLE TOPOGRAPHIC MAP (SOUTHWEST MUSKOGEE, OKLAHOMA, 2018).
2. THE MAP AREA SHOWN IS WITHIN TOWNSHIP 14 NORTH, RANGE 18 EAST.

LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA

10/13/2023

SOUTHWEST MUSKOGEE, OK

2018

- [ ] DRAFT
- [x] FOR PERMITTING PURPOSES ONLY
- [ ] ISSUED FOR CONSTRUCTION

DATE: 10/2023
FILE: 0086-364-11
CAD: FIG e-1-1-usgs TOPO MAP.DWG

DRAWN BY: RAA
DESIGN BY: JBP
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE-06/30/2025

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION
USGS TOPOGRAPHIC QUADRANGLE MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE E-1-1

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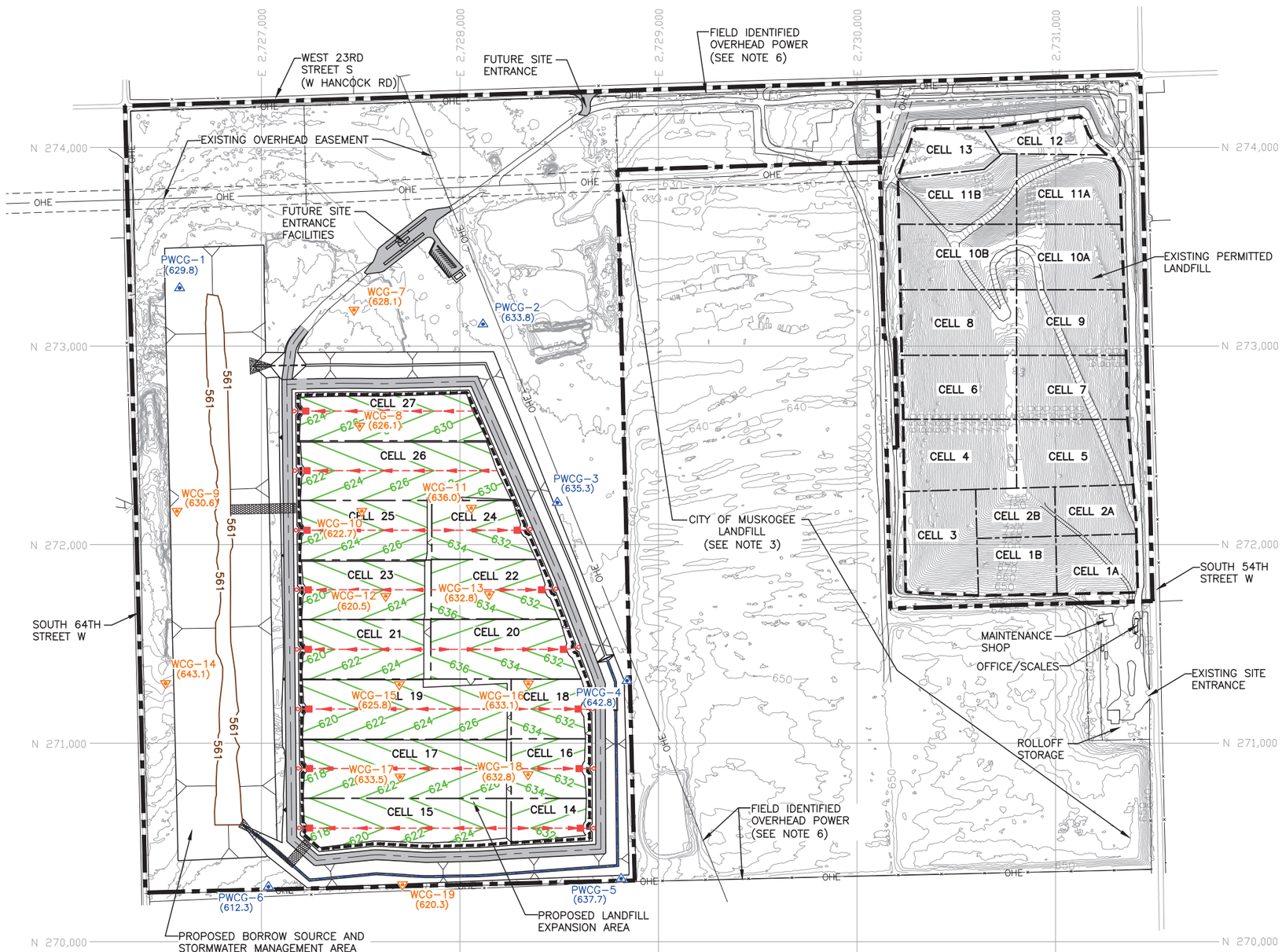
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-1 USGS TOPO MAP.dwg, jpubr, 1:2



N

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (629.8) — 2022 BOREHOLE AND PIEZOMETER LOCATION (SURFACE ELEVATION IN FT-MSL)
- WCG-7 (628.1) — 2022 BOREHOLE ONLY LOCATION (SURFACE ELEVATION IN FT-MSL)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. A WASTE-FREE BUFFER ZONE AT LEAST 100-FEET OFFSET FROM THE PERMIT BOUNDARY FOR THE LANDFILL EXPANSION AREA INCLUDED IN THIS MODIFICATION WILL BE MAINTAINED.
6. AN EASEMENT RECORD WAS NOT FOUND OR PROVIDED TO THE SURVEYOR. THE OVERHEAD POWER RUNNING ALONG THE NORTHERN AND SOUTHERN PROPERTY LINE AND NORTHWEST/SOUTHEAST ACROSS THE PROPERTY WAS FIELD IDENTIFIED AND SURVEYED.
7. 2022 BOREHOLE LOCATIONS AND SURFACE ELEVATIONS OBTAINED FROM 2022 ASBUILT SURVEY BY WEAVER CONSULTANTS GROUP.

LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
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OKLAHOMA
10/13/2023

- [ ] DRAFT
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DATE: 10/2023
FILE: 0086-364-11
CAD: E-1-2-BOREHOLE LOCATION.DWG

DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2025

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION BOREHOLE LOCATION MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-2

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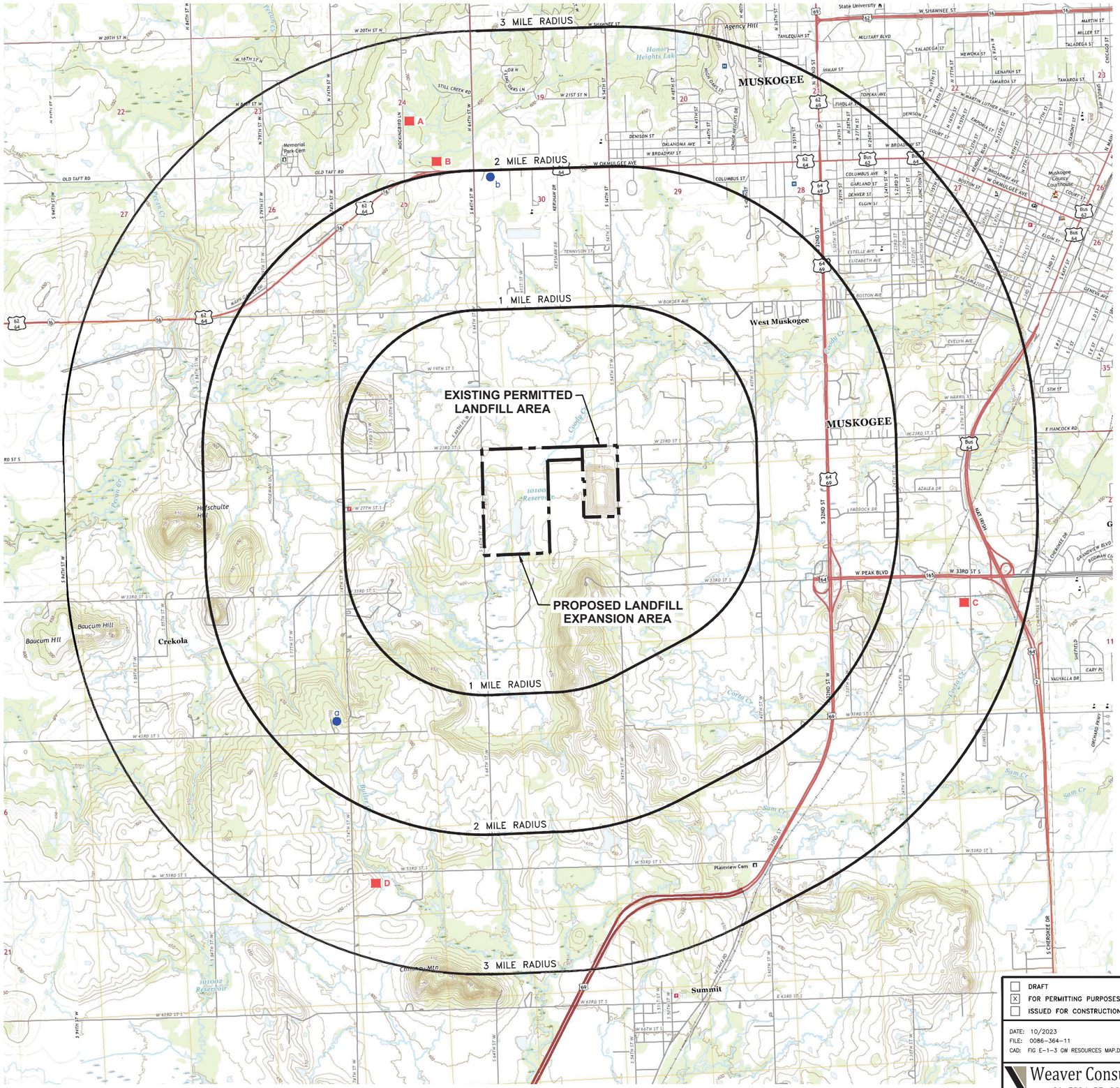
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-2 BOREHOLE LOCATION MAP.dwg, jpulr, 1:2



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N

0 2000 4000
SCALE IN FEET

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10/13/2023

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- a — OWRB PRIVATE WATER WELL LOCATION WITHIN 2.0 MILE OF PROPOSED PERMIT BOUNDARY
- A — OWRB PRIVATE WATER SUPPLY WELL LOCATION WITHIN 3.0 MILES OF PROPOSED PERMIT BOUNDARY

PRIVATE WATER SUPPLY WELLS INSIDE 2 MILE RADIUS				
MAP ID	WELL ID #	OWNER	TOTAL DEPTH	GROUNDWATER ELEVATION
a	23573	B.E. DAVIS	N/A*	N/A*
b	23573	B.E. DAVIS	N/A*	N/A*

PRIVATE WATER SUPPLY WELLS INSIDE 3 MILE RADIUS				
MAP ID	WELL ID #	OWNER	TOTAL DEPTH	GROUNDWATER ELEVATION
A	168576	ANTHIS	75	14
B	185470	DONALD BROOKS	N/A*	60
C	36841	JACK ASHWOOD	N/A*	N/A*
D	71669	JIM HALEY	N/A*	N/A*

* INFORMATION NOT AVAILABLE ON THE OKLAHOMA WATER RESOURCES BOARD WEB PAGE.

NOTES:

1. ADAPTED FROM USGS 7.5 MINUTE QUADRANGLE TOPOGRAPHIC MAP (SOUTHEAST MUSKOGEE, NORTHWAST MUSKOGEE, NORTH WEST MUSKOGEE, TAFT, BEELAND, WAIN WRIGHT, OKTAHA AND KEETTON, OK 2022).
2. PERMIT BOUNDARY WAS REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
3. PUBLIC WATER WELL RECORDS OBTAINED FROM THE OKLAHOMA WATER RESOURCES BOARD (OWRB) ON-LINE GIS DATABASES (SEPTEMBER 2022).
4. THE OWRB RECORDS INDICATE THERE ARE NO SURFACE WATER INTAKES LOCATED WITHIN 3.0 MILES DOWNSTREAM OF THE FACILITY.
5. NO WATER SUPPLY WELLS IDENTIFIED WITHIN 1 MILE RADIUS.

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FILE: 0086-364-11
CAD: FIG E-1-3 GW RESOURCES MAP.DWG

DRAWN BY: RAA
DESIGN BY: JBP
REVIEWED BY: JVQ

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TIER III PERMIT MODIFICATION GROUNDWATER RESOURCES AND USAGE MAP

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MUSKOGEE COUNTY, OKLAHOMA

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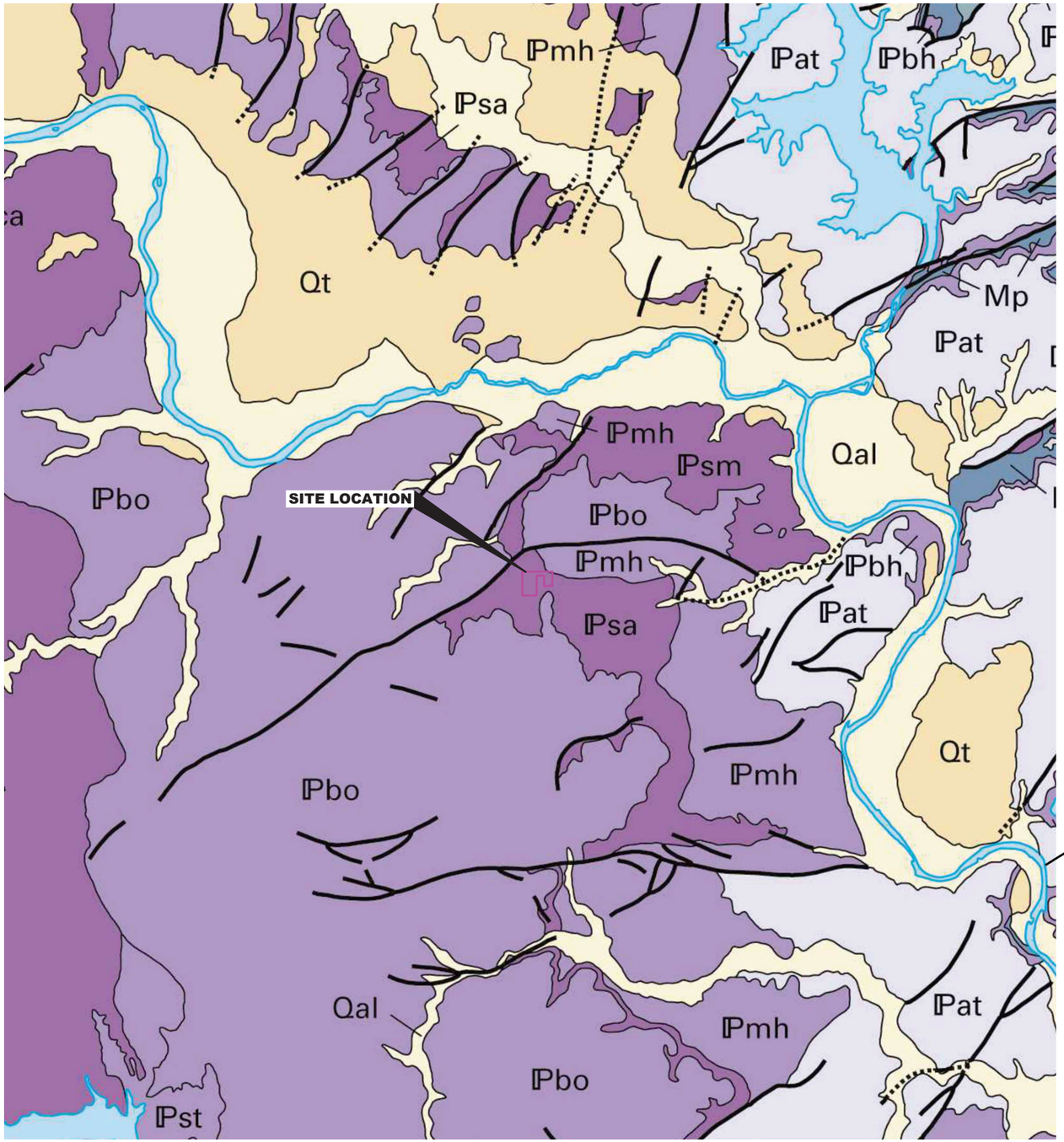
FIGURE E-1-3

G:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-3 GW RESOURCES & USAGE MAP.dwg, jpnbr, 1:2



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JONATHAN V. QUEEN
24456
OKLAHOMA

10/13/2023

MAP UNITS

- Psp — Salt Plains Formation
- Pp — Purcell Sandstone
- Pk — Kingman Formation or Kingman Siltstone
- Pfa — Fairmont Shale
- Pg — Garber Sandstone
- Pw — Wellington Formation
- Pu — Permian rocks undifferentiated
- Po — Oscar Group
- Pv — Vanoss Group
- Pa — Ada Group or Ada Formation
- Pva — Vamoosa Group or Vamoosa Formation
- Pho — Hoxbar Group
- Pht — Hilltop Formation
- Pbv — Vamoosa+Tallant+Barnsdall Formations
- Pto — Torpedo Formation
- Pta — Tallant Formation
- Pbd — Barnsdall Formation
- Pwi — Wann and Iola Formations or Iola Limestone
- Pch — Chanute Formation
- Pb — Belle City Formation or Limestone
- Pn — Nellie Bly Formation
- Phg — Hogshooter Formation
- Pd — Dewey Formation or Dewey Limestone
- Pnh — Nellie Bly Formation and Hogshooter Limestone
- Pcf — Coffeyville or Francis Formation (restricted)
- Pcc — Coffeyville and Checkerboard Formations or Checkerboard Limestone
- Pde — Deese Group
- Pdo — Dornick Hills Group
- Psl — Seminole Formation
- Phu — Upper Holdenville Formation
- Ph — Holdenville Formation or Holdenville Shale
- Plp — Lenapah Formation
- Phl — Holdenville and Lenapah Formations
- Pnw — Nowata Formation
- Pol — Oolagah Formation
- Pw — Wewoka Formation
- Pwe — Wetumka Shale
- Pca — Calvin Sandstone
- Plb — Labette Formation
- Pfs — Fort Scott Limestone
- Pse — Senora Formation
- Pst — Stuart Shale
- Pth — Thurman Sandstone
- Pbo — Boggy Formation
- Pbj — Bluejacket Sandstone
- Psa — Savanna Formation
- Pm — McAlester Formation
- Psm — Savanna and McAlester Formations
- Psmh — Savanna+McAlester+Hartshorne Formations
- Psma — Savanna+McAlester+Hartshorne+Atoka Formations
- Pha — Hartshorne Sandstone
- Pmh — McAlester and Hartshorne Formations
- Pat — Atoka Formation
- Plm — Lynn Mountain Formation
- Pbh — Bloyd and Hale Formations
- Pu — Atoka, Bloyd and Hale Formations Undifferentiated
- Pwa — Wapanucka Formation
- Pwal — Wapanucka Formation
- Pwas — Wapanucka Formation
- Pwc — Wapanucka Formation and Chickachoc Chert
- Plg — Limestone Gap
- Pul — Union Valley Formation with limestone
- Pus — Union Valley Formation with sandstone
- Pjv — Johns Valley Formation or Johns Valley Shale
- Pjf — Jackfork Group or Jackfork Sandstone
- Pmo — Morrowan rocks, undifferentiated
- Pma — Morrowan-Atokan (?) rocks undifferentiated
- Mp — Pitkin+Fayetteville+Hindsville+Moorefield Formations
- Mpfh — Pitkin+Fayetteville+Batesville+Hindsville+Moorefield Formations
- Mg — Goddard Shale
- Md — Delaware Creek Shale
- Msw — Sycamore and Welden Limestones
- Mst — Stanley Group or Stanley Shale
- Mkr — Keokuk and Reeds Spring Formations and St. Joe Group
- Mu — Mississippian Rocks above Chattanooga Shale Undifferentiated
- MDw — Woodford Shale
- MDO — Chattanooga+Fernvale+Fite+Tyner+Burgen+Cotter Formations
- MDSO — Undifferentiated, Mississisippian, Devonian, Silurian, and Ordovician Rocks
- MDSa — Arkansas Novaculite
- Da — Arkansas Novaculite
- Dw — Woodford Shale
- Dp — Pine Top Chert
- DSh — Hunton Group
- Sm — Missouri Mountain Shale
- Sb — Blaylock Sandstone
- Smb — Missouri Mountain Shale and Blaylock Sandstone
- SmOp — Missouri Mountain and Polk Creek Shales
- Op — Polk Creek Shale
- Obf — Bigfork Chert
- Ow — Womble Formation or Womble Shale
- Ovb — Viola Limestone and Bromide Formation
- Osfv — Sylvan Shale+Fernvale Limestone and Viola Limestone
- Obm — Bromide+Tulip Creek and McLish Formations
- Ooj — Oil Creek and Joins Formation
- Ows — West Spring Creek Formation
- Oua — Upper part of Arbuckle Group
- Ok — Kindblade Formation
- Owk — West Spring Creek and Kindblade Formations
- Ocm — Cool Creek and McKenzie Hill Formations
- Ob — Blakely Sandstone
- Om — Mazam Shale
- Ocs — Crystal Mountain Sandstone
- Oc — Collier Shale
- Ꞓat — Lower part of Arbuckle Group and Timbered Hills Group
- Ꞓb — Arbuckle Group and Timbered Hills Group
- Ꞓth — Timbered Hills Group
- Ꞓp — Colbert Porphyry
- Ꞓbf — Butterfly Dolomite+Signal Mountain Limestone+Royer Dolomite and Fort Sill Li
- Ꞓcr — Carlton Rhyolite Group
- Ꞓwg — Wichita Granite Group
- Ꞓr — Raggedy Mountain Gabbro Group
- pꞒt — Tishomingo and Troy Granites
- pꞒsp — Spavinaw Granite
- d — Diorite Sill
- Water
- Unknown
- Faults—
  - normal,
  - dotted where concealed,
  - dashed where inferred

N

0 10000 20000
SCALE IN FEET

NOTES:

1. ADAPTED FROM DIGITAL GEOLOGIC MAP DATABASE FOR THE STATE OF OKLAHOMA BY THE U.S. GEOLOGICAL SURVEY DATED 2003.

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DESIGN BY: JBP
REVIEWED BY: JVQ

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TIER III PERMIT MODIFICATION REGIONAL SURFACE GEOLOGY MAP AND STRATIGRAPHIC COLUMN

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MUSKOGEE COUNTY, OKLAHOMA

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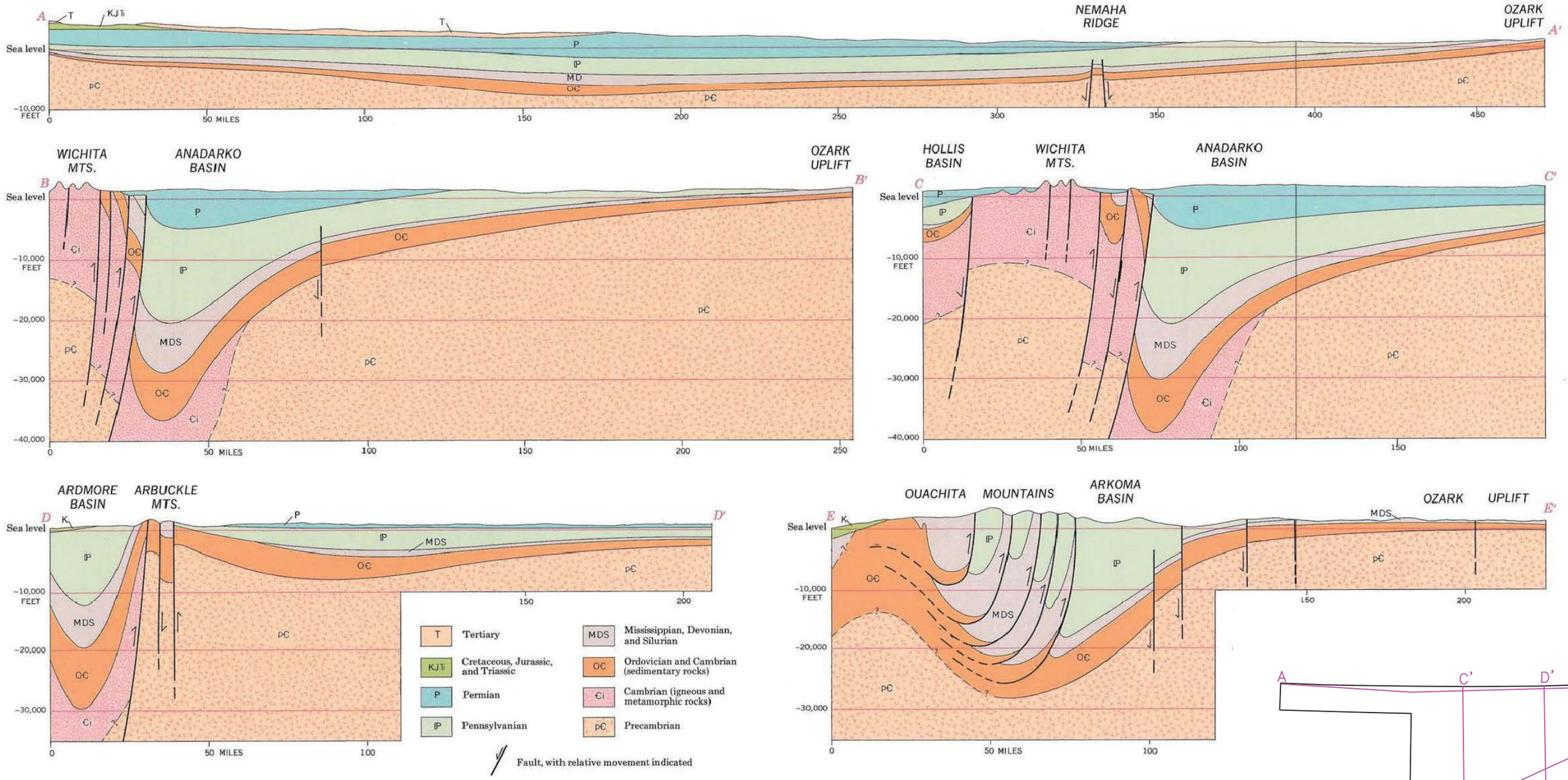
FIGURE E-1-4

O:\0086\364\EXPANSION 2022\APPENDIX E\E-1-4 REGIONAL GEOLOGIC MAP.dwg, jpdhr, 1:2



NOTES:

1. ADAPTED FROM THE GENERALIZED GEOLOGIC CROSS SECTIONS IN OKLAHOMA CREATED BY KENNETH S. JOHNSON, DATED 1979.

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DRAWN BY: RAA
DESIGN BY: JBP
REVIEWED BY: JVQ

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TIER III PERMIT MODIFICATION
REGIONAL STRUCTURAL GEOLOGIC CROSS-SECTION

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MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-5

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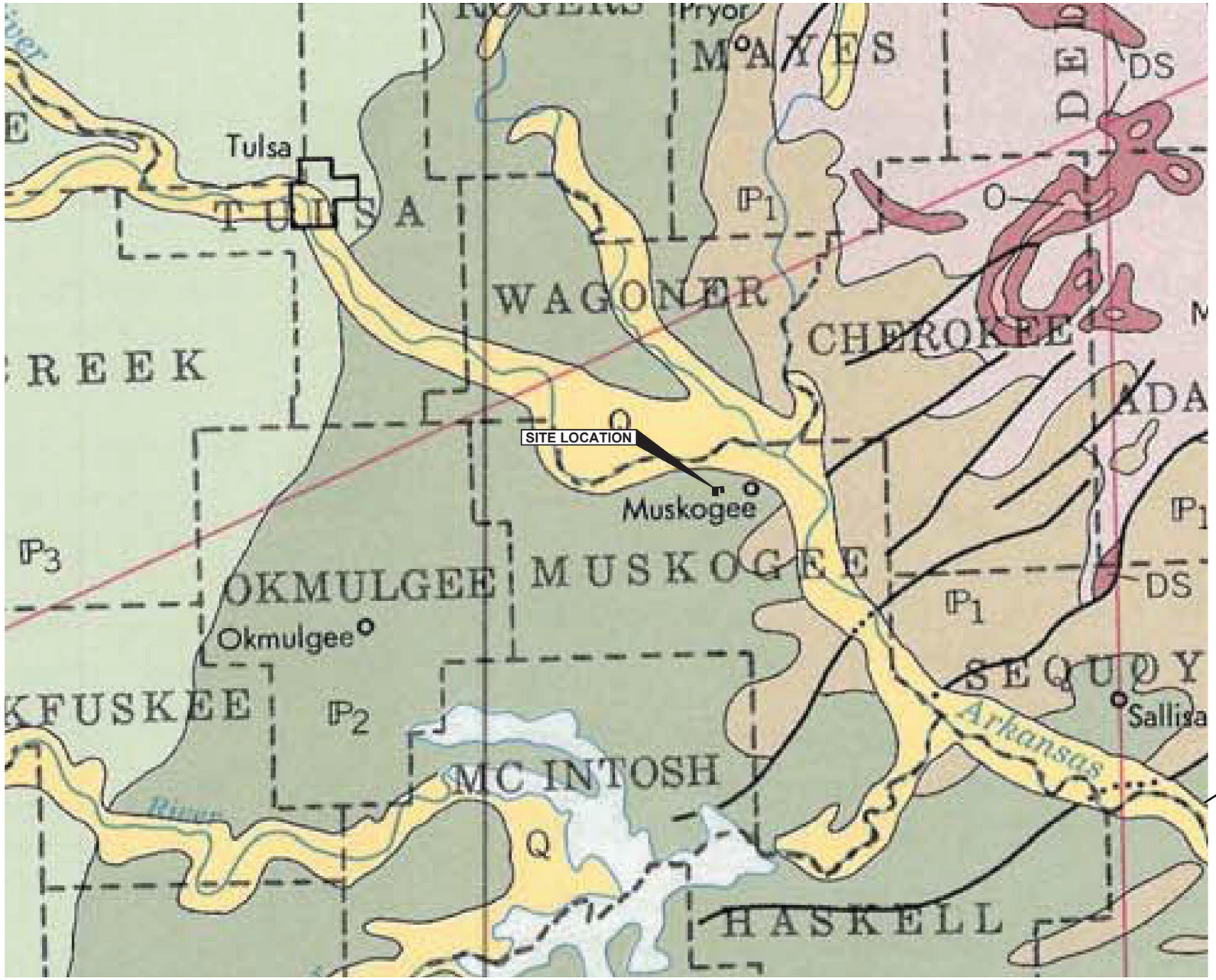
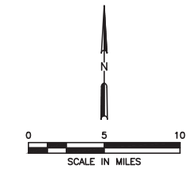
G:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-5 REGIONAL GEOLOGY SECTION.dwg, jpuhr, 1:2





Sedimentary Rocks

Q	QUATERNARY. Sand, silt, clay, and gravel in flood plains and terrace deposits of major rivers. Generally 25 to 100 feet thick.
T	TERTIARY. Sand, clay, gravel, and caliche deposited from ancient rivers draining Rocky Mountains. Generally 50 to 500 feet thick.
K_2, K_1	CRETACEOUS. Nonmarine sand and clay and marine limestone and clay up to 3,000 feet thick in southeast. Marine sandstone and shale are about 200 feet thick in Panhandle.
J	JURASSIC. Nonmarine shale, sandstone, and conglomerate in Panhandle. Generally 250 to 500 feet thick.
Ꞧ	TRIASSIC. Nonmarine shale and sandstone in Panhandle. Commonly 200 to 500 feet thick.
P_4, P_3, P_2, P_1	PERMIAN. Dominantly shallow-marine, deltaic, and alluvial deposits of red sandstone and shale. Gypsum outcrops (white) are conspicuous, and thick salt units are widespread in subsurface. Generally 1,000 to 4,500 feet thick.
P?	PERMIAN(?). Marine limestone, sandstone, and shale with Permian-Pennsylvanian transitional fossils. Thickness, 500 to 2,000 feet.
$\mathbb{P}_3$, $\mathbb{P}_2$, $\mathbb{P}_1$	PENNSYLVANIAN. Dominantly marine shale, with interbedded sandstone, limestone, and coal. Thickness commonly 2,000 to 5,000 feet, but much greater in Anadarko basin (16,000 feet), Ardmore basin (15,000 feet), Ouachita Mountains (15,000 feet), and Arkoma basin (18,000 feet). Thick conglomerate near Wichita and Arbuckle Mountains.
M	MISSISSIPPIAN. Mostly cherty marine limestone 300 to 3,000 feet thick in north. Elsewhere, rocks are mostly marine shale and sandstone 1,000 to 5,000 feet thick, and 10,000 feet thick in Ouachita Mountains.
DS	DEVONIAN-SILURIAN. Marine limestone 100 to 800 feet thick, overlain by black shale 50 to 500 feet thick. In Ouachita Mountains, units are chert, shale, and sandstone 500 to 1,200 feet thick.
O	ORDOVICIAN. Marine limestone and dolomite, with some sandstone and shale. Thickens from 1,000 feet in north to 9,000 feet in south. In Ouachita Mountains, unit is shale, sandstone, and cherty limestone.
C	CAMBRIAN. Marine limestone and dolomite, with a basal sandstone. Generally 500 to 2,000 feet thick.

Igneous Rocks

Tb	TERTIARY. Basaltic lava flow 50 to 85 feet thick in northwest corner of Panhandle. Caps Black Mesa.
Ꞓi	CAMBRIAN. Granite, rhyolite, and gabbro in Wichita Mountains and rhyolite in Arbuckle Mountains. Formed about 525 million years ago; nearly 20,000 feet thick. In subsurface (cross section), includes metamorphic rocks that may be partly Precambrian.
pꞒ	PRECAMBRIAN. Granite, underlying almost all of Oklahoma and cropping out only in the Arbuckle Mountains and Mayes County. Formed 1.05 to 1.35 billion years ago, these are the oldest rocks at the surface in Oklahoma.

Geologic contact

Fault

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OKLAHOMA

10/13/2023

NOTES:

1. ADAPTED FROM THE GENERALIZED GEOLOGIC MAP OF OKLAHOMA COMPILED BY CARL C. BRANSON AND KENNETH S. JOHNSON, DATED 1979.

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DRAWN BY: RAA
DESIGN BY: AKE
REVIEWED BY: JVQ

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PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

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TIER III PERMIT MODIFICATION
LOCAL SURFACE GEOLOGY MAP
AND STRATIGRAPHIC COLUMN

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MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-6

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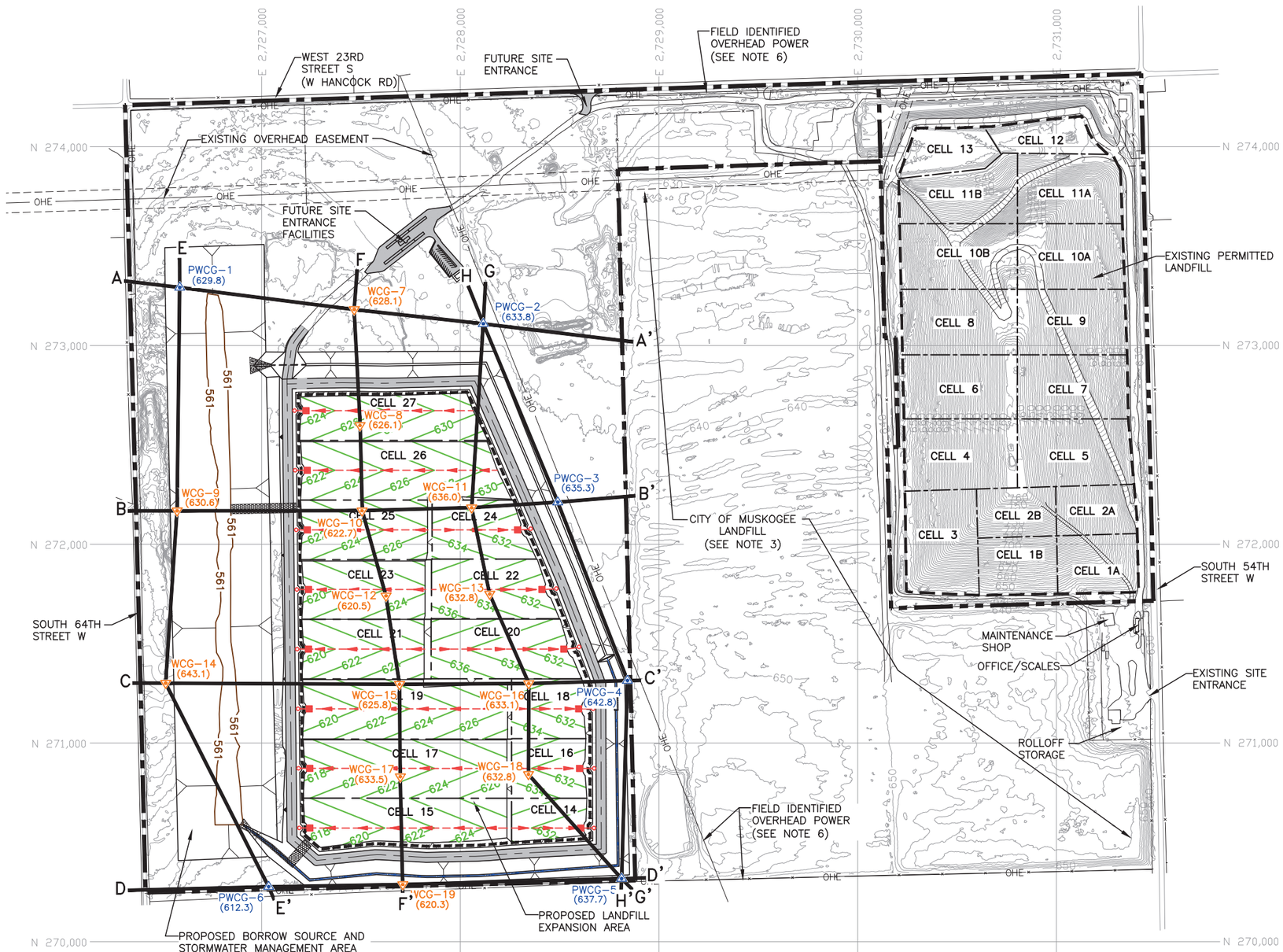
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-6 LOCAL SURFACE GEOLOGY MAP AND STRAT COLUMN.dwg, jpuhr, 1:2



N

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- A — A' GEOLOGIC CROSS SECTION LOCATION
- PWCG-1 (629.8) — 2022 BOREHOLE AND PIEZOMETER LOCATION (SURFACE ELEVATION IN FT-MSL)
- WCG-7 (628.1) — 2022 BOREHOLE ONLY LOCATION (SURFACE ELEVATION IN FT-MSL)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. A WASTE-FREE BUFFER ZONE AT LEAST 100-FEET OFFSET FROM THE PERMIT BOUNDARY FOR THE LANDFILL EXPANSION AREA INCLUDED IN THIS MODIFICATION WILL BE MAINTAINED.
6. AN EASEMENT RECORD WAS NOT FOUND OR PROVIDED TO THE SURVEYOR. THE OVERHEAD POWER RUNNING ALONG THE NORTHERN AND SOUTHERN PROPERTY LINE AND NORTHWEST/SOUTHEAST ACROSS THE PROPERTY WAS FIELD IDENTIFIED AND SURVEYED.
7. 2022 BOREHOLE LOCATIONS AND SURFACE ELEVATIONS OBTAINED FROM 2022 ASBUILT SURVEY BY WEAVER CONSULTANTS GROUP.

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10/13/2023

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TIER III PERMIT MODIFICATION GEOLOGIC CROSS-SECTION LOCATION MAP

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MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-7

0:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-7 CROSS SECTION INDEX MAP.dwg, jpuhr, 1:2

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24456
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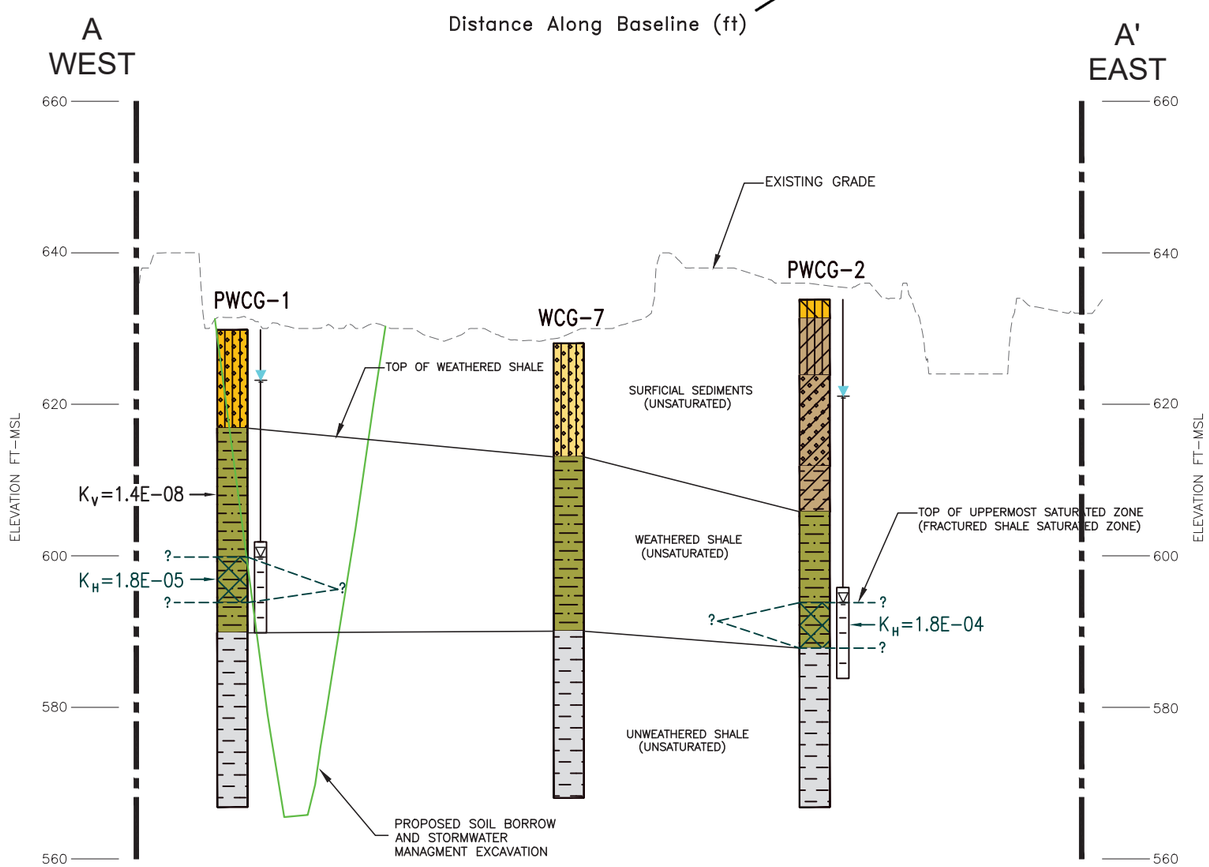

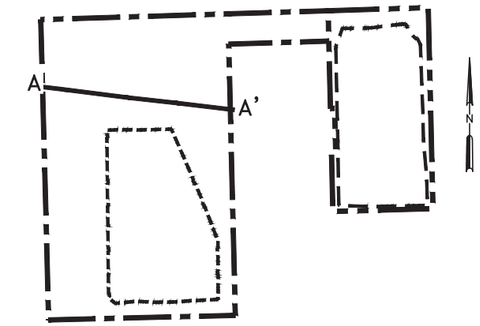

KEY MAP
NTS

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
- SHALEY CLAY
- CLAYEY SILT
- SANDY SILT
- CLAYEY SAND
- SILTY SAND
- SAND or SANDSTONE
- WEATHERED SHALE (UNSATURATED)
- WEATHERED SHALE (SATURATED)
- UNWEATHERED SHALE
- LIMESTONE
- COAL
- GROUNDWATER PIEZOMETER AS-BUILT RISER (TOP) AND SCREEN (BOTTOM)
- TOP OF UPPERMOST AQUIFER GROUNDWATER OBSERVED AT TIME OF DRILLING (TOP OF ZONE OF SATURATION)
- STATIC POTENTIOMETRIC GROUNDWATER SURFACE (CONFINED AQUIFER POTENTIOMETRIC HEAD)

0 200 400 SCALE IN FEET HORIZONTAL

0 10 20 SCALE IN FEET VERTICAL

NOTES:

1. CROSS SECTION INTERPOLATED BETWEEN BORINGS. ACTUAL CONDITIONS MAY VARY FROM THOSE ILLUSTRATED.
2. CROSS SECTION LOCATION SHOWN ON FIGURE E-1-7.
3. HYDRAULIC CONDUCTIVITY VALUES FROM RISING HEAD SLUG TESTS (K_H) AND GEOTECHNICAL LABORATORY MEASUREMENTS (K_V) LISTED IN CM/S.

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TIER III PERMIT MODIFICATION
GEOLOGIC CROSS-SECTION A-A'

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MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-8A

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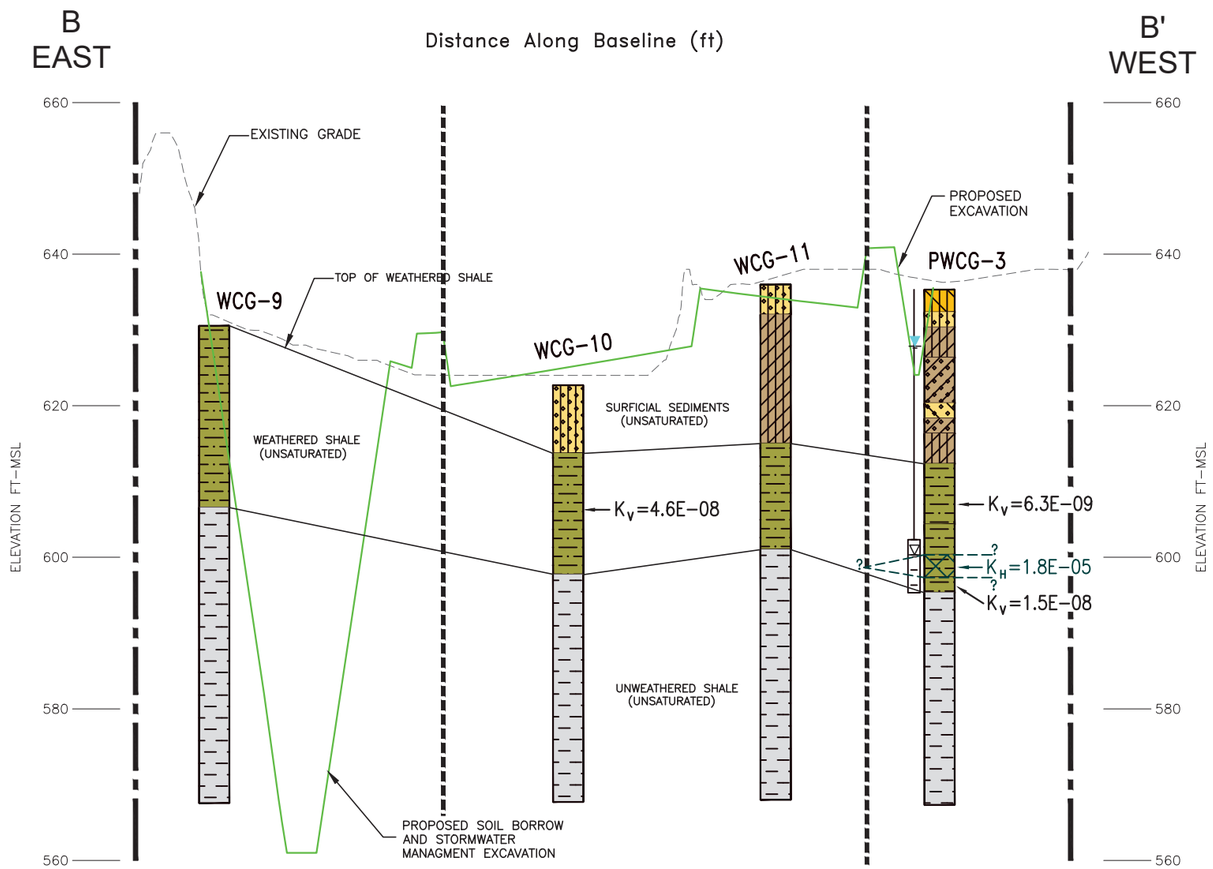

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OKLAHOMA
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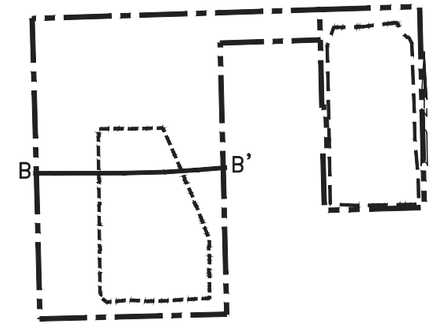

KEY MAP
NTS

LEGEND

EXISTING PERMIT BOUNDARY
PROPOSED PERMIT BOUNDARY
PERMITTED LIMITS OF WASTE
PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

SILTY CLAY
SANDY CLAY
SHALEY CLAY
CLAYEY SILT
SANDY SILT
CLAYEY SAND
SILTY SAND
SAND or SANDSTONE
WEATHERED SHALE (UNSATURATED)
WEATHERED SHALE (SATURATED)
UNWEATHERED SHALE
LIMESTONE
COAL

GROUNDWATER PIEZOMETER AS-BUILT RISER (TOP) AND SCREEN (BOTTOM)
TOP OF UPPERMOST AQUIFER GROUNDWATER OBSERVED AT TIME OF DRILLING (TOP OF ZONE OF SATURATION)
STATIC POTENTIOMETRIC GROUNDWATER SURFACE (CONFINED AQUIFER POTENTIOMETRIC HEAD)

NOTES:

1. CROSS SECTION INTERPOLATED BETWEEN BORINGS. ACTUAL CONDITIONS MAY VARY FROM THOSE ILLUSTRATED.
2. CROSS SECTION LOCATION SHOWN ON FIGURE E-1-7.
3. HYDRAULIC CONDUCTIVITY VALUES FROM RISING HEAD SLUG TESTS (K_H) AND GEOTECHNICAL LABORATORY MEASUREMENTS (K_V) LISTED IN CM/S.

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DESIGN BY: AKE
REVIEWED BY: JVQ

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CA 3804 PE - 06/30/2025

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REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION
GEOLOGIC CROSS-SECTION B-B'

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MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-8B

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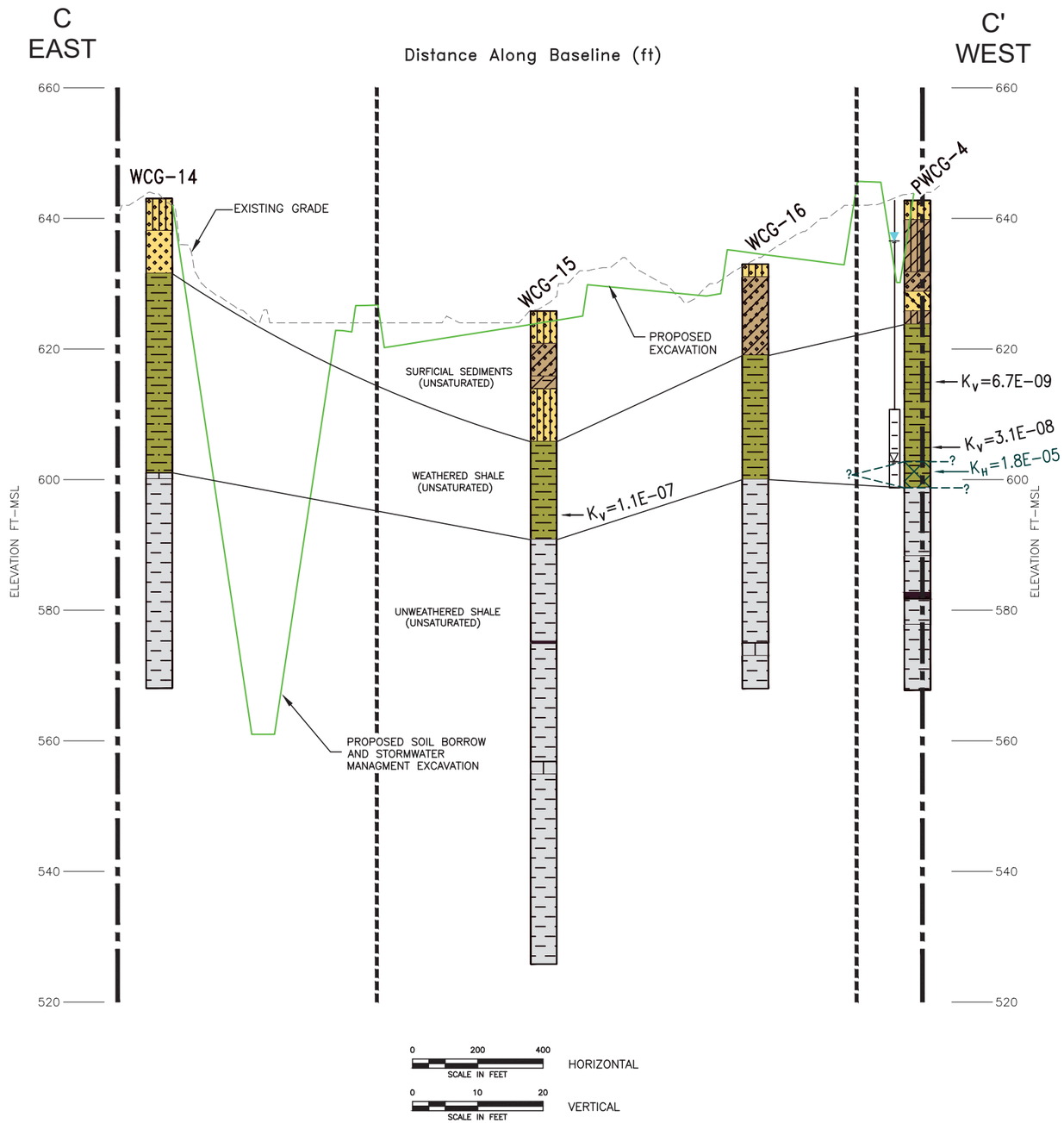

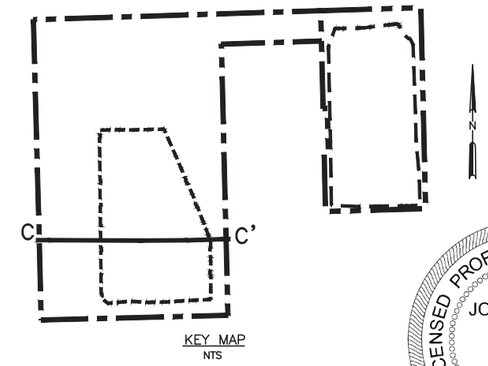

LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA

10/13/2023

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
- SHALEY CLAY
- CLAYEY SILT
- SANDY SILT
- CLAYEY SAND
- SILTY SAND
- SAND or SANDSTONE
- WEATHERED SHALE (UNSATURATED)
- WEATHERED SHALE (SATURATED)
- UNWEATHERED SHALE
- LIMESTONE
- COAL
- GROUNDWATER PIEZOMETER AS-BUILT RISER (TOP) AND SCREEN (BOTTOM)
- TOP OF UPPERMOST AQUIFER GROUNDWATER OBSERVED AT TIME OF DRILLING (TOP OF ZONE OF SATURATION)
- STATIC POTENTIOMETRIC GROUNDWATER SURFACE (CONFINED AQUIFER POTENTIOMETRIC HEAD)

NOTES:

1. CROSS SECTION INTERPOLATED BETWEEN BORINGS. ACTUAL CONDITIONS MAY VARY FROM THOSE ILLUSTRATED.
2. CROSS SECTION LOCATION SHOWN ON FIGURE E-1-7.
3. HYDRAULIC CONDUCTIVITY VALUES FROM RISING HEAD SLUG TESTS (K_H) AND GEOTECHNICAL LABORATORY MEASUREMENTS (K_V) LISTED IN CM/S.

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DATE: 10/2023
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CAD: E-1-8 CROSS-SECTION.DWG

DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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CA 3804 PE - 06/30/2025

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION
GEOLOGIC CROSS-SECTION C-C'

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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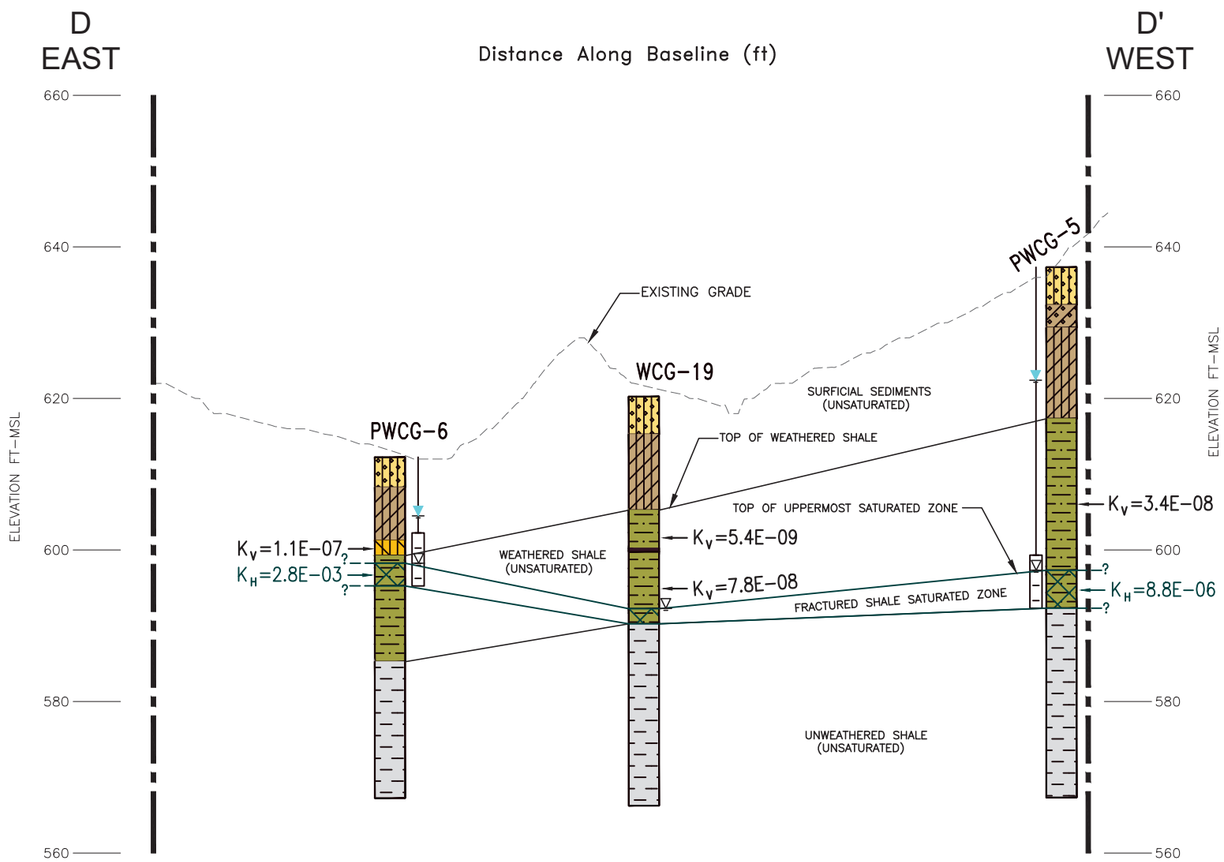
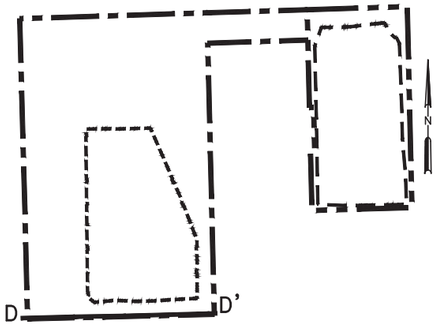
ATTACHMENT E-1-8C

O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-8\E-8H SECTIONS.dwg, jpuhr, 1:2



LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA
10/13/2023



KEY MAP
NTS

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
- SHALEY CLAY
- CLAYEY SILT
- SANDY SILT
- CLAYEY SAND
- SILTY SAND
- SAND or SANDSTONE
- WEATHERED SHALE (UNSATURATED)
- WEATHERED SHALE (SATURATED)
- UNWEATHERED SHALE
- LIMESTONE
- COAL

- GROUNDWATER PIEZOMETER AS-BUILT RISER (TOP) AND SCREEN (BOTTOM)
- TOP OF UPPERMOST AQUIFER GROUNDWATER OBSERVED AT TIME OF DRILLING (TOP OF ZONE OF SATURATION)
- STATIC POTENTIOMETRIC GROUNDWATER SURFACE (CONFINED AQUIFER POTENTIOMETRIC HEAD)

NOTES:

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DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2025

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WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION GEOLOGIC CROSS-SECTION D-D'

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-8D

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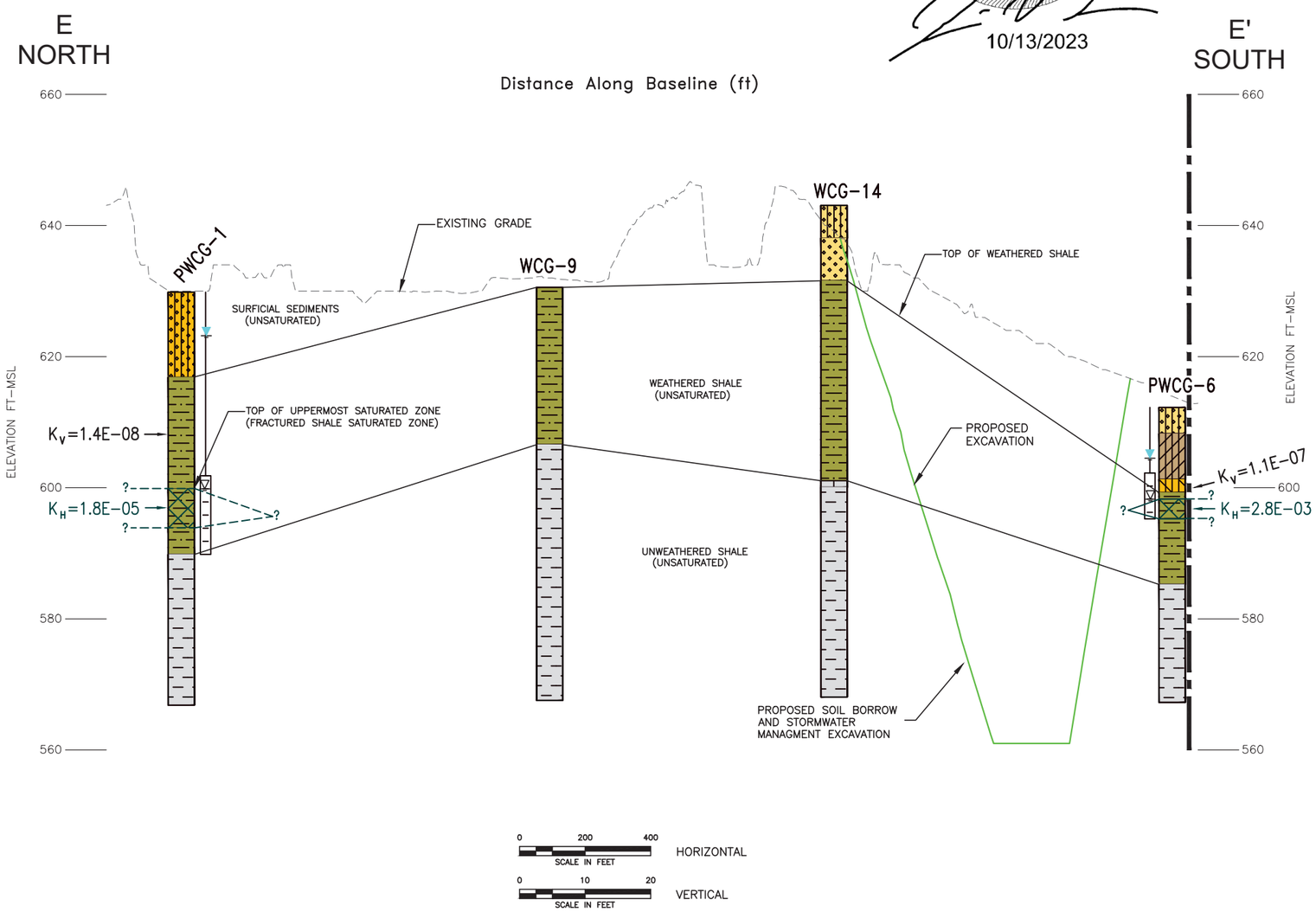
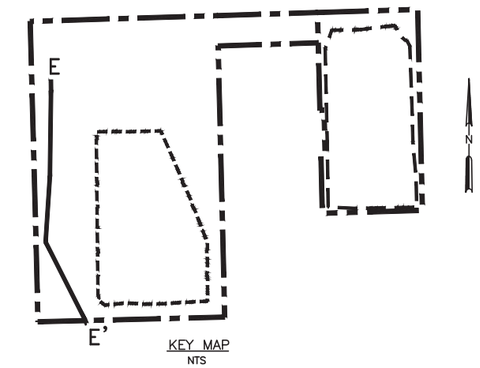
24456
OKLAHOMA
10/13/2023





LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
- SHALEY CLAY
- CLAYEY SILT
- SANDY SILT
- CLAYEY SAND
- SILTY SAND
- SAND or SANDSTONE
- WEATHERED SHALE (UNSATURATED)
- WEATHERED SHALE (SATURATED)
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NOTES:

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REVIEWED BY: JVQ

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CA 3804 PE – 06/30/2025

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REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION
GEOLOGIC CROSS–SECTION E–E'

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MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E–1–8E

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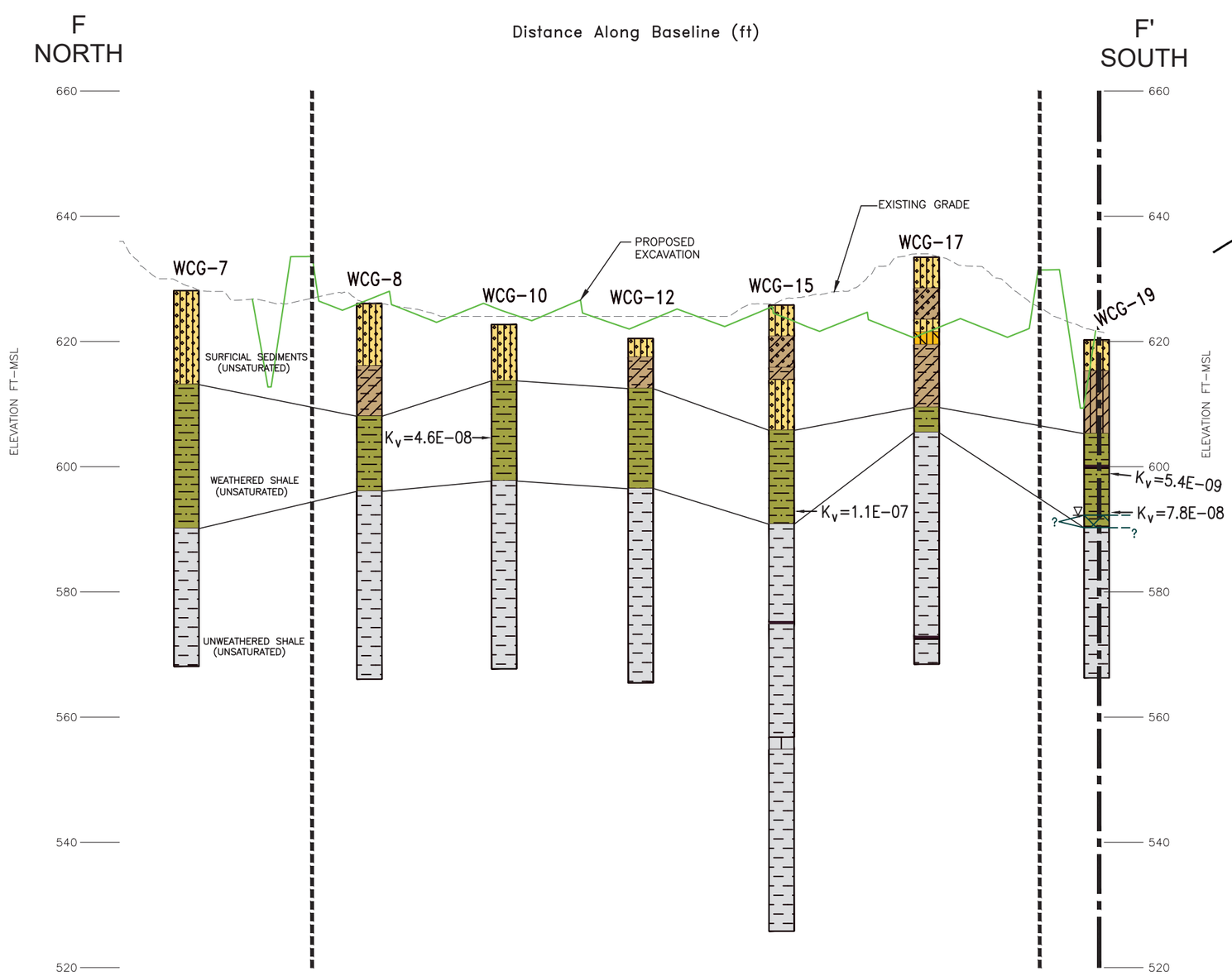

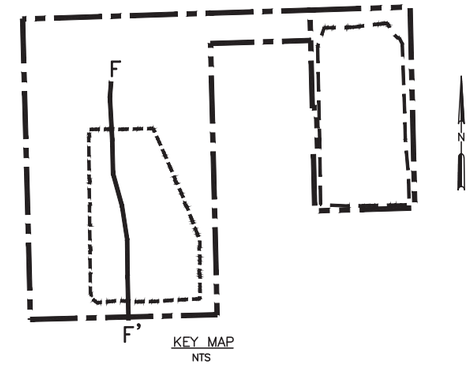

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
- SHALEY CLAY
- CLAYEY SILT
- SANDY SILT
- CLAYEY SAND
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- COAL

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0 200 400 SCALE IN FEET HORIZONTAL

0 10 20 SCALE IN FEET VERTICAL

NOTES:

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DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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CA 3804 PE - 06/30/2025

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WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION GEOLOGIC CROSS-SECTION F-F'

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-8F

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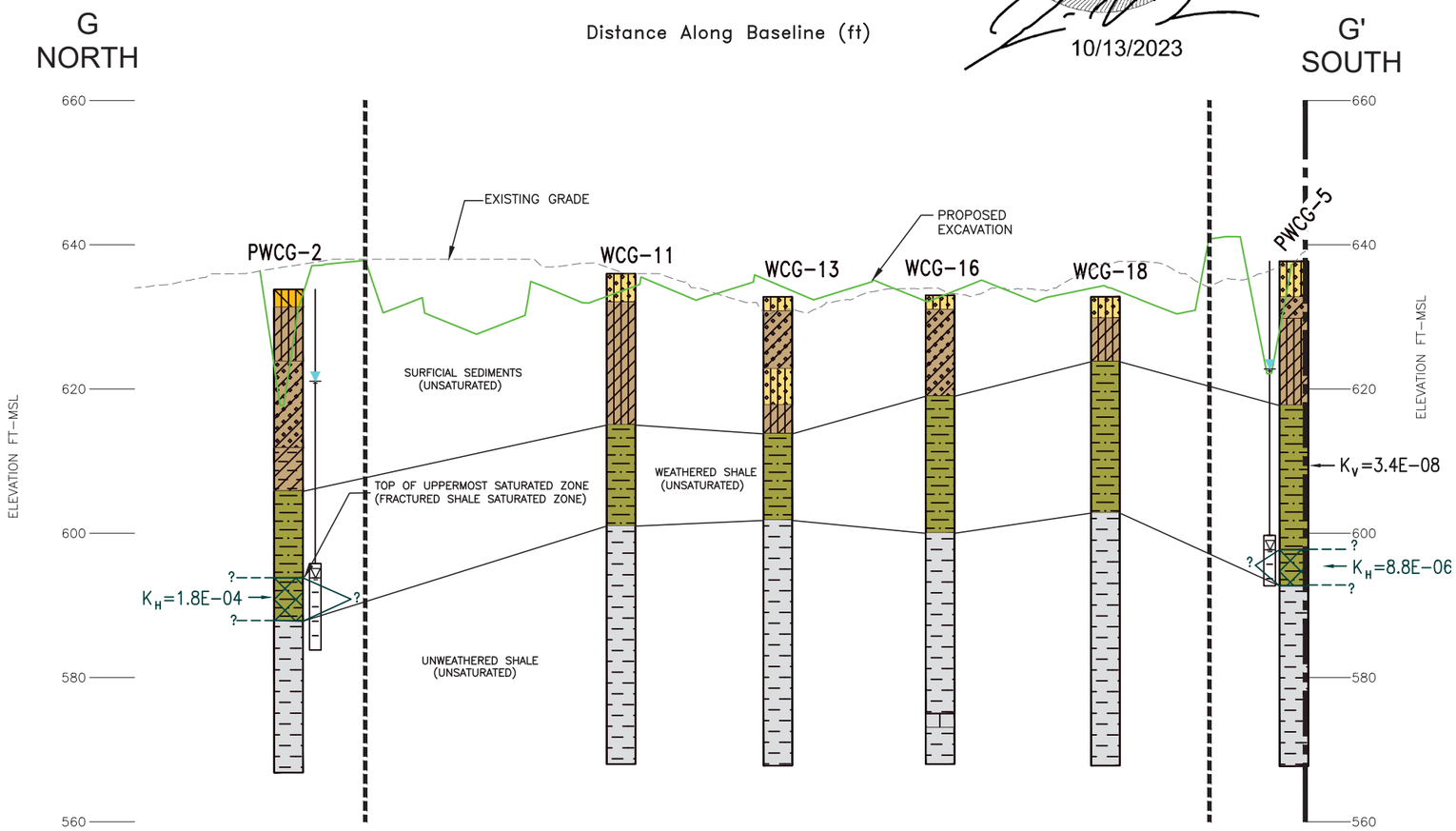
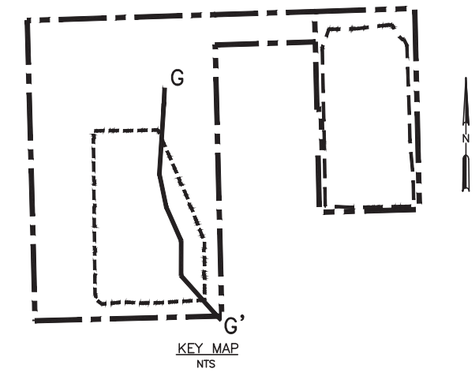
JONATHAN V. QUEEN
24456
OKLAHOMA
10/13/2023





LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
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- CLAYEY SILT
- SANDY SILT
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0 200 400 SCALE IN FEET HORIZONTAL

0 10 20 SCALE IN FEET VERTICAL

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DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2025

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WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION GEOLOGIC CROSS-SECTION G-G'

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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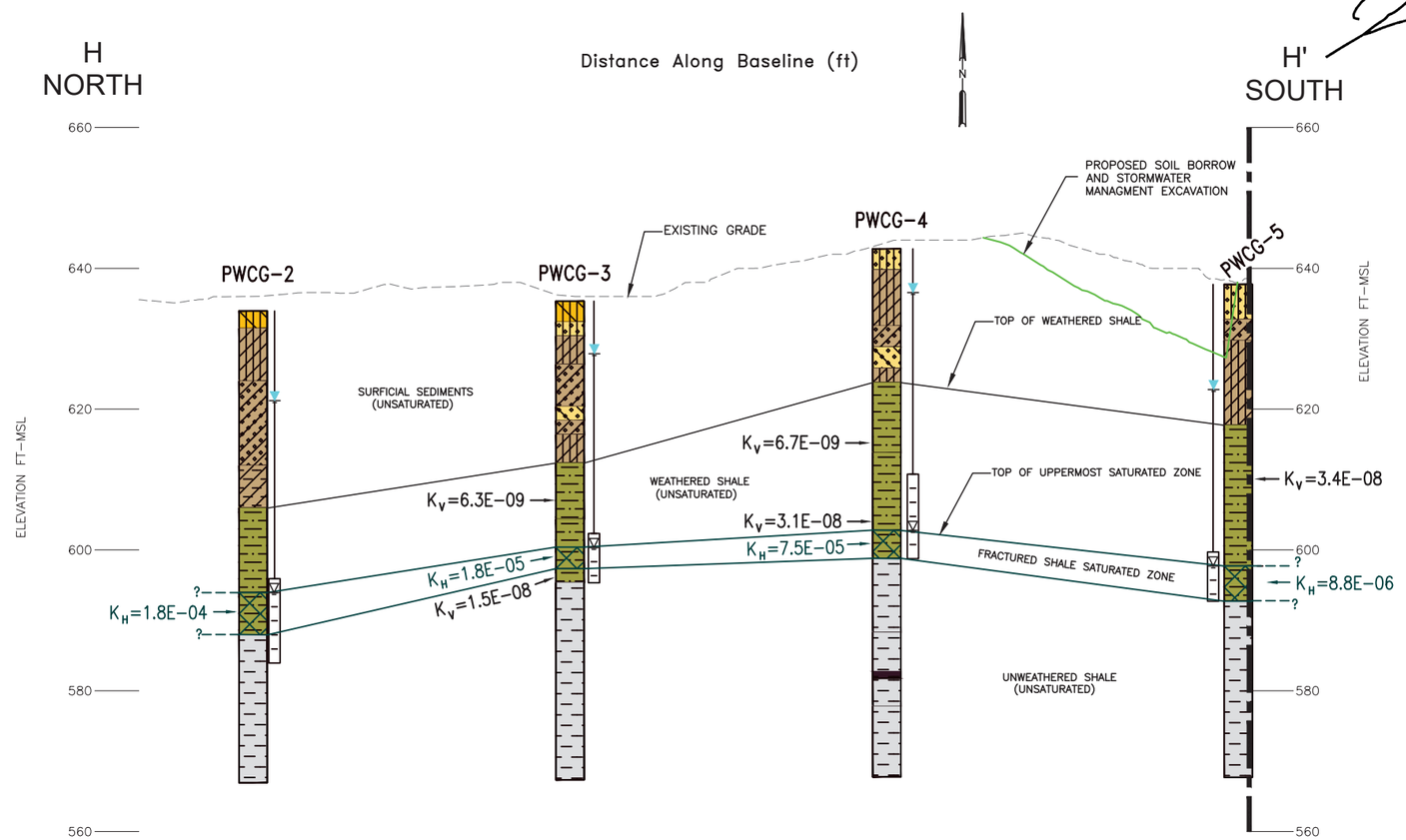
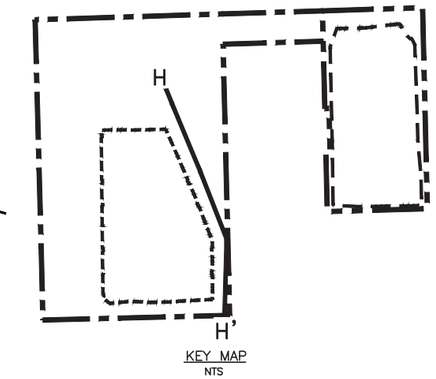
ATTACHMENT E-1-8G

O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-8A_E-1-8H SECTIONS.dwg, jpudr, 1:2





LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA
10/13/2023

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE

LITHOLOGIC UNITS

- SILTY CLAY
- SANDY CLAY
- SHALEY CLAY
- CLAYEY SILT
- SANDY SILT
- CLAYEY SAND
- SILTY SAND
- SAND or SANDSTONE
- WEATHERED SHALE (UNSATURATED)
- WEATHERED SHALE (SATURATED)
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- COAL
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- STATIC POTENTIOMETRIC GROUNDWATER SURFACE (CONFINED AQUIFER POTENTIOMETRIC HEAD)

0 200 400 SCALE IN FEET HORIZONTAL

0 10 20 SCALE IN FEET VERTICAL

NOTES:

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DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2025

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REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION
GEOLOGIC CROSS-SECTION H-H'

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-8H

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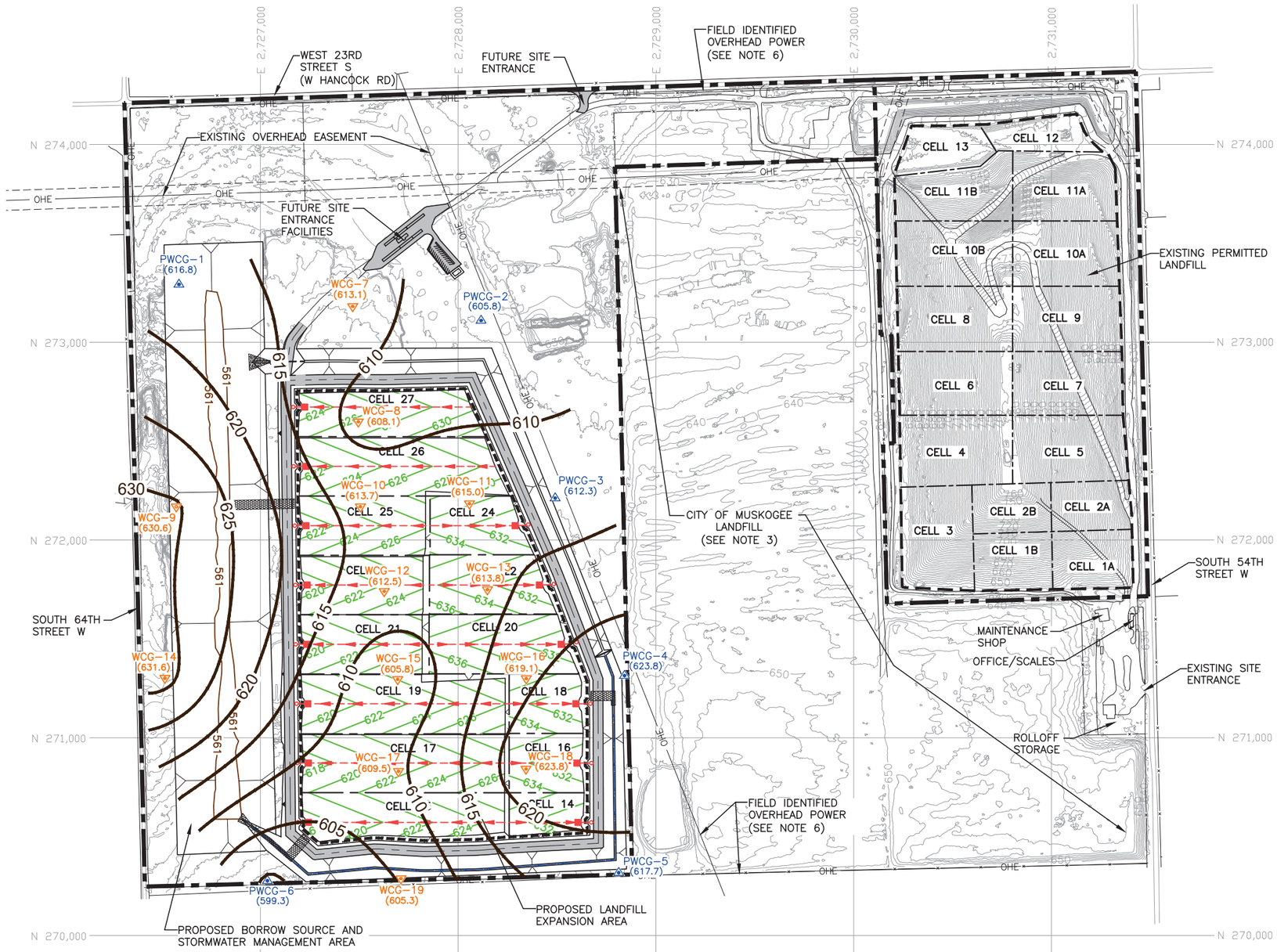

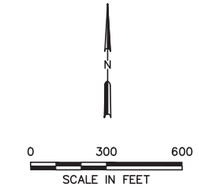

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (616.8) — 2022 BOREHOLE AND PIEZOMETER LOCATION (TOP OF WEATHERED SHALE ELEVATION LISTED IN FT-MSL)
- WCG-7 (613.1) — 2022 BOREHOLE ONLY LOCATION (TOP OF WEATHERED SHALE ELEVATION LISTED IN FT-MSL)
- 630 — TOP OF WEATHERED SHALE ELEVATION CONTOUR (FT-MSL)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. TOP OF WEATHERED SHALE ELEVATIONS OBSERVED AT TIME OF DRILLING AT EACH EXPANSION BOREHOLE LOCATION.

LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA
10/13/2023

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DATE: 10/2023
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DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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CA 3804 PE - 06/30/2025

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION TOP OF WEATHERED SHALE CONTOUR MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-9

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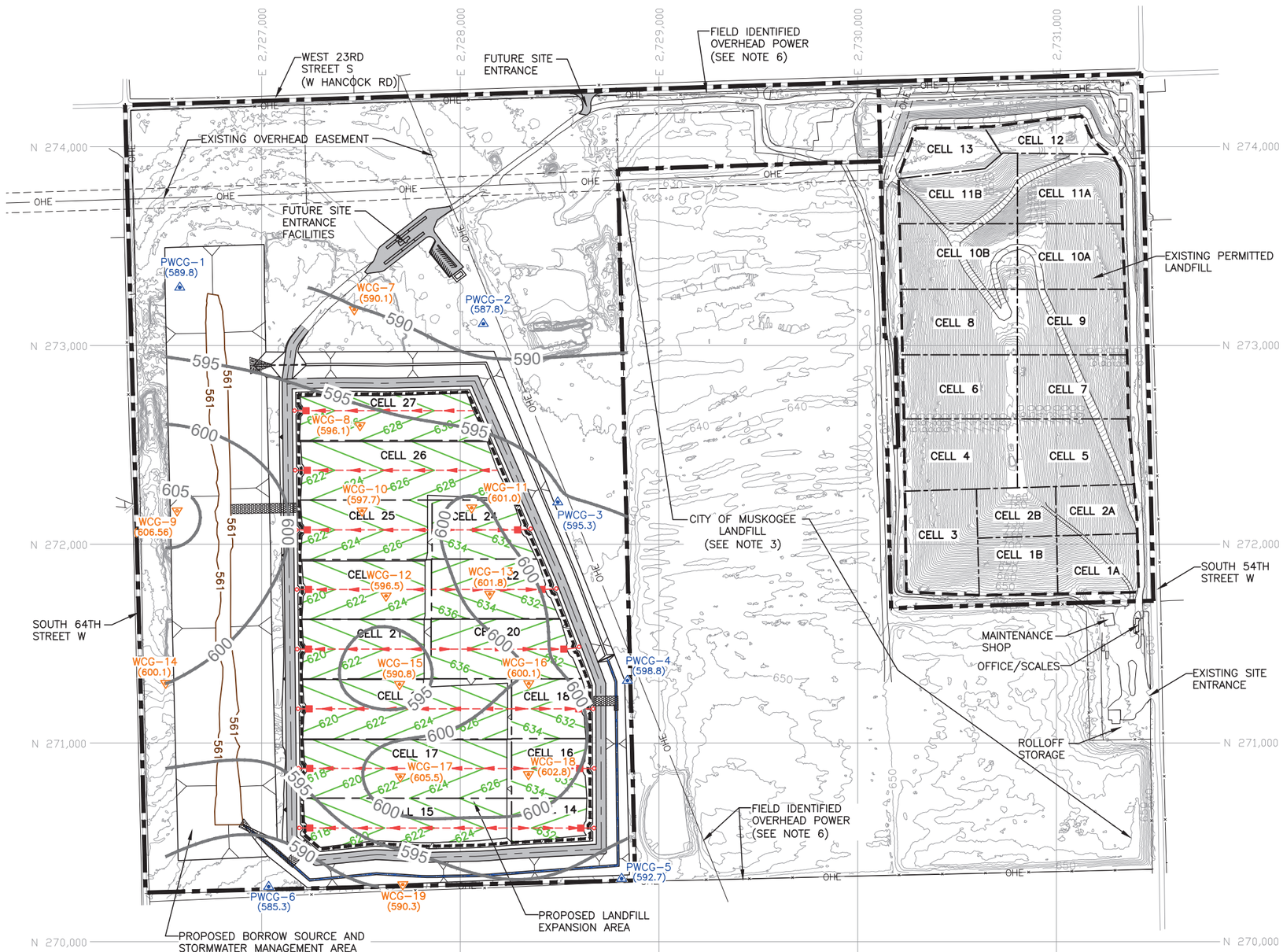
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-9 TOP OF X-SHALE.dwg, jpuhr, 1:2



0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (589.8) — 2022 BOREHOLE AND PIEZOMETER LOCATION (TOP OF WEATHERED SHALE ELEVATION LISTED IN FT-MSL)
- WCG-7 (590.1) — 2022 BOREHOLE ONLY LOCATION (TOP OF WEATHERED SHALE ELEVATION LISTED IN FT-MSL)
- 630 — TOP OF UNWEATHERED SHALE ELEVATION CONTOUR (FT-MSL)

NOTES:

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5. TOP OF UNWEATHERED SHALE ELEVATIONS OBSERVED AT TIME OF DRILLING AT EACH EXPANSION BOREHOLE LOCATION.

LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA
10/13/2023

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DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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CA 3804 PE - 06/30/2025

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION TOP OF UNWEATHERED SHALE CONTOUR MAP

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MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-10

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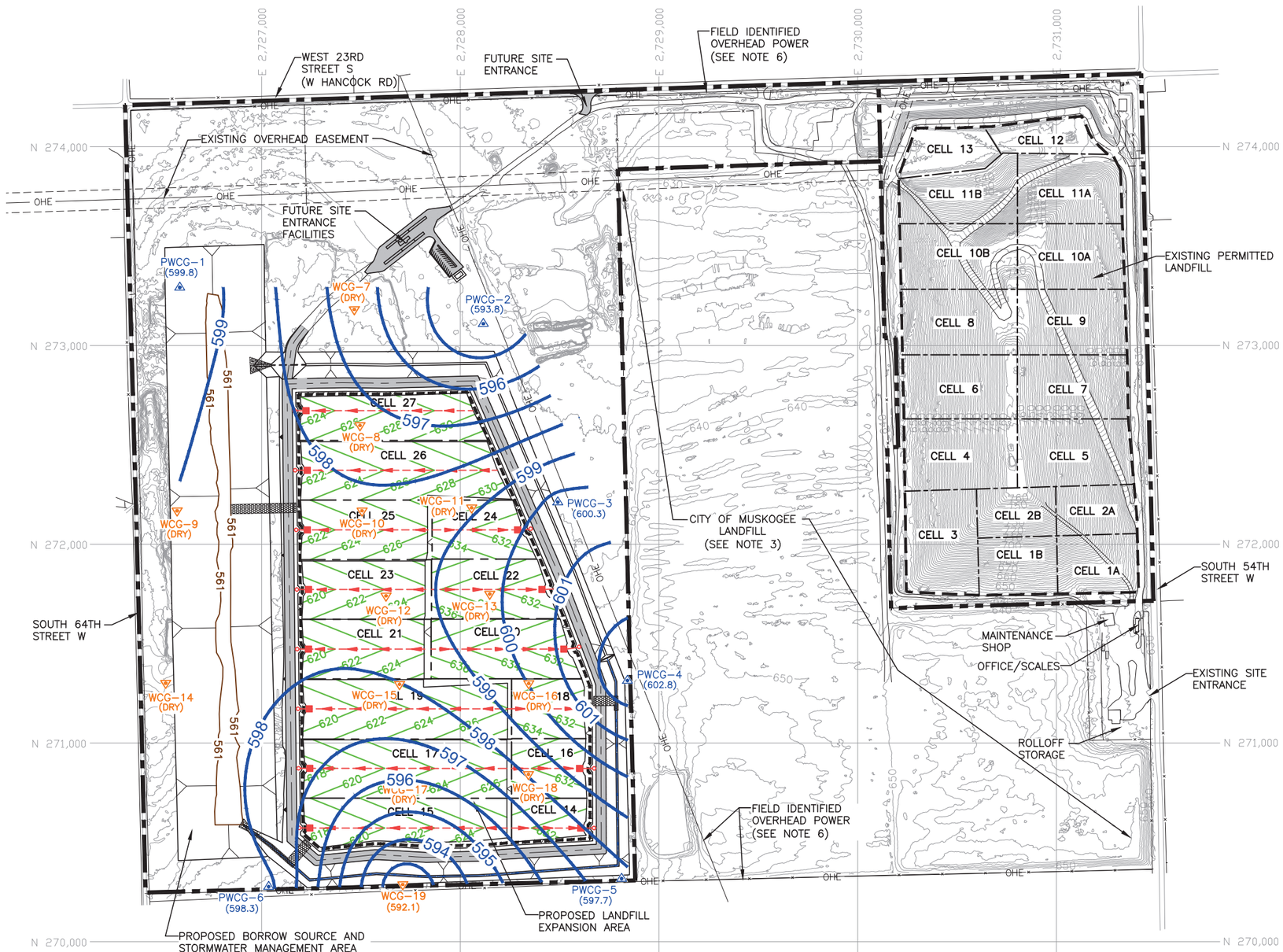

N

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
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- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (599.8) — 2022 BOREHOLE AND PIEZOMETER LOCATION (TOP OF FIRST SATURATED STRATA ELEVATION LISTED IN FT-MSL)
- WCG-7 (DRY) — 2022 BOREHOLE ONLY LOCATION (TOP OF FIRST SATURATED STRATA ELEVATION LISTED IN FT-MSL)
- 600 — TOP OF UPPERMOST AQUIFER HYDROSTRATIGRAPHIC STRUCTURAL CONTOUR (SEE NOTES 5 AND 6)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. TOP OF UPPERMOST AQUIFER HYDROSTRATIGRAPHIC STRUCTURAL CONTOUR REPRESENTS HIGHEST GROUNDWATER ELEVATION WITHIN THE UPPERMOST AQUIFER ZONE OF SATURATION AS OBSERVED AT TIME OF DRILLING AT EACH EXPANSION BOREHOLE LOCATION.
6. DRY = NO SATURATED SEDIMENTS OBSERVED AT TIME OF DRILLING. DRY BOREHOLES WERE NOT INCLUDED IN HYDROSTRATIGRAPHIC STRUCTURAL CONTOUR MODELING.

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DATE: 10/2023
FILE: 0086-364-11
CAD: E-1-11-TOP OF UMA MAP.DWG

DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2025

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TIER III PERMIT MODIFICATION
TOP OF UPPERMOST AQUIFER CONTOUR MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-11

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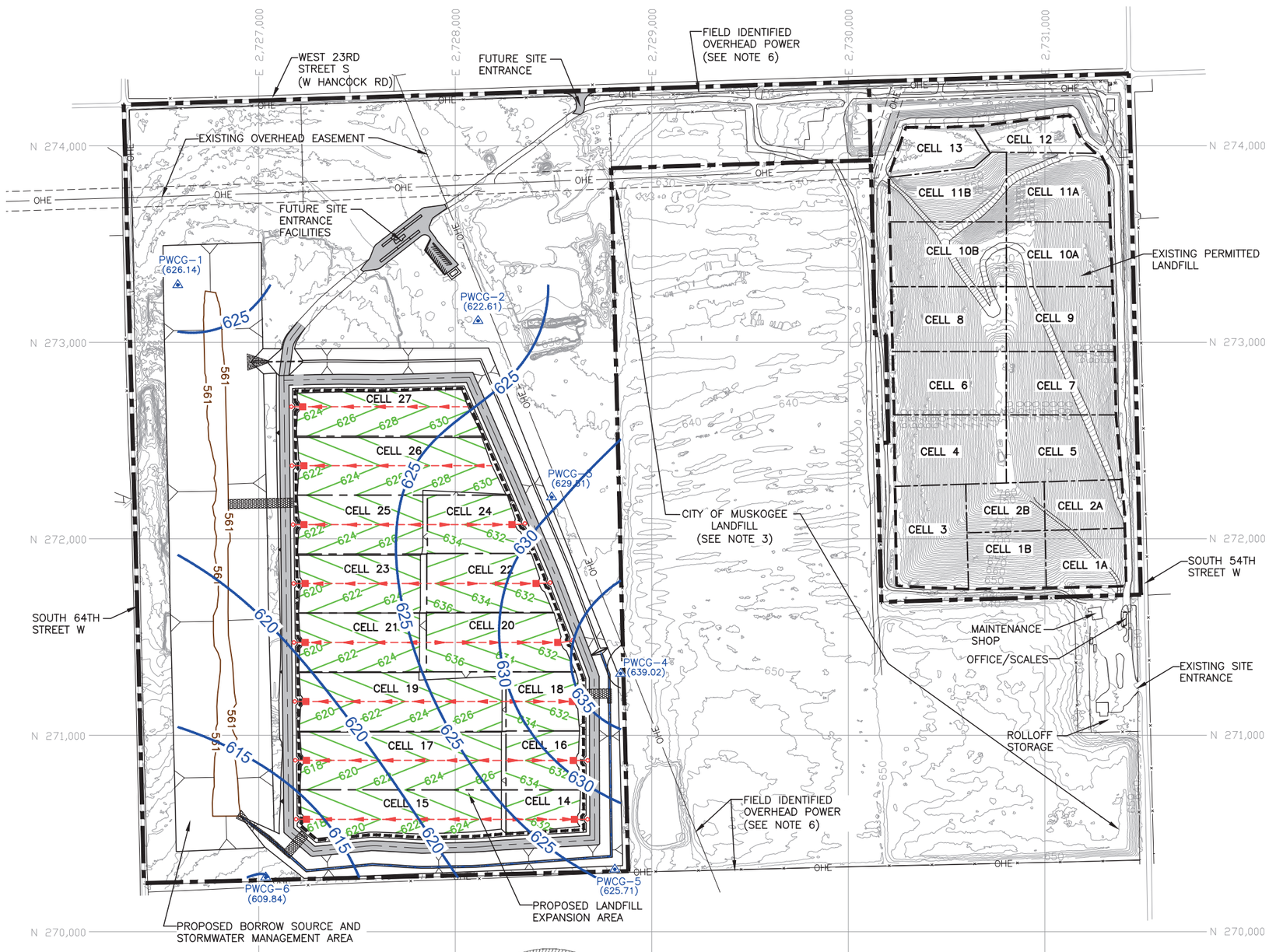
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-11 TOP OF UMA.dwg, jpnhr, 1:2



N

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (626.14) — 2022 PIEZOMETER LOCATION (POTENTIOMETRIC ELEVATION LISTED IN FT-MSL) (SEE NOTE 5 AND 6)
- 620 — HIGHEST MEASURED GROUNDWATER POTENTIOMETRIC HEAD SURFACE CONTOUR (SEE NOTE 5 AND 6)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. POTENTIOMETRIC SURFACE CONTOURS PRODUCED FROM HIGHEST MEASURED ELEVATIONS FROM EACH PIEZOMETER AND DO NOT REPRESENT A SINGLE GROUNDWATER GAUGING EVENT OR ACTUAL GROUNDWATER FLOW.
6. POTENTIOMETRIC SURFACE CONTOURS DEPICT THE POTENTIOMETRIC HEAD ELEVATION OF FRACTURE POROSITY GROUNDWATER UNDER CONFINED CONDITIONS AND ARE NOT SYNONYMOUS WITH THE ELEVATION OF UPPERMOST SATURATED SUBSURFACE SEDIMENTS.

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DATE: 10/2023
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CAD: E-1-13C APRIL 2023 POT MAP.DWG

DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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REVISIONS

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TIER III PERMIT MODIFICATION HIGHEST MEASURED GROUNDWATER POTENTIOMETRIC HEAD SURFACE CONTOUR MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-12

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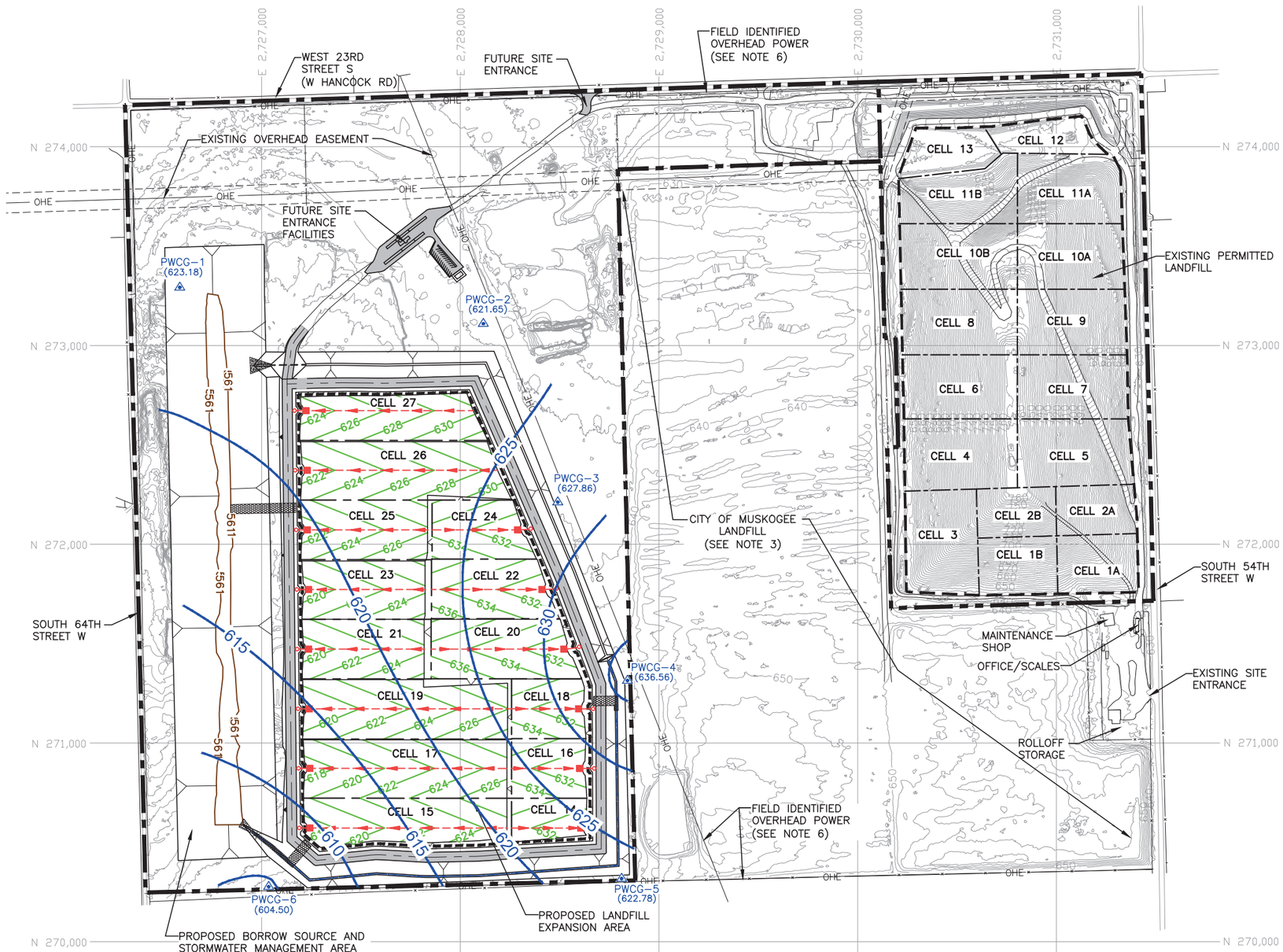
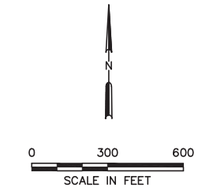
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-12 HIGHEST GW MAP.dwg, jpuhr, 1:2





LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (623.18) — 2022 PIEZOMETER LOCATION (POTENTIOMETRIC ELEVATION LISTED IN FT-MSL) (SEE NOTE 5 AND 6)
- 600 — OCTOBER 2022 POTENTIOMETRIC HEAD SURFACE CONTOUR (SEE NOTE 5 AND 6)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. POTENTIOMETRIC SURFACE CONTOURS PRODUCED FROM STATIC GROUNDWATER GAUGING CONDUCTED BY WCG IN OCTOBER 2022.
6. POTENTIOMETRIC SURFACE CONTOURS DEPICT THE POTENTIOMETRIC HEAD ELEVATION OF FRACTURE POROSITY GROUNDWATER UNDER CONFINED CONDITIONS AND ARE NOT SYNONYMOUS WITH THE ELEVATION OF UPPERMOST SATURATED SUBSURFACE SEDIMENTS.

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NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION OCTOBER 2022 POTENTIOMETRIC HEAD SURFACE CONTOUR MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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FIGURE E-1-13A

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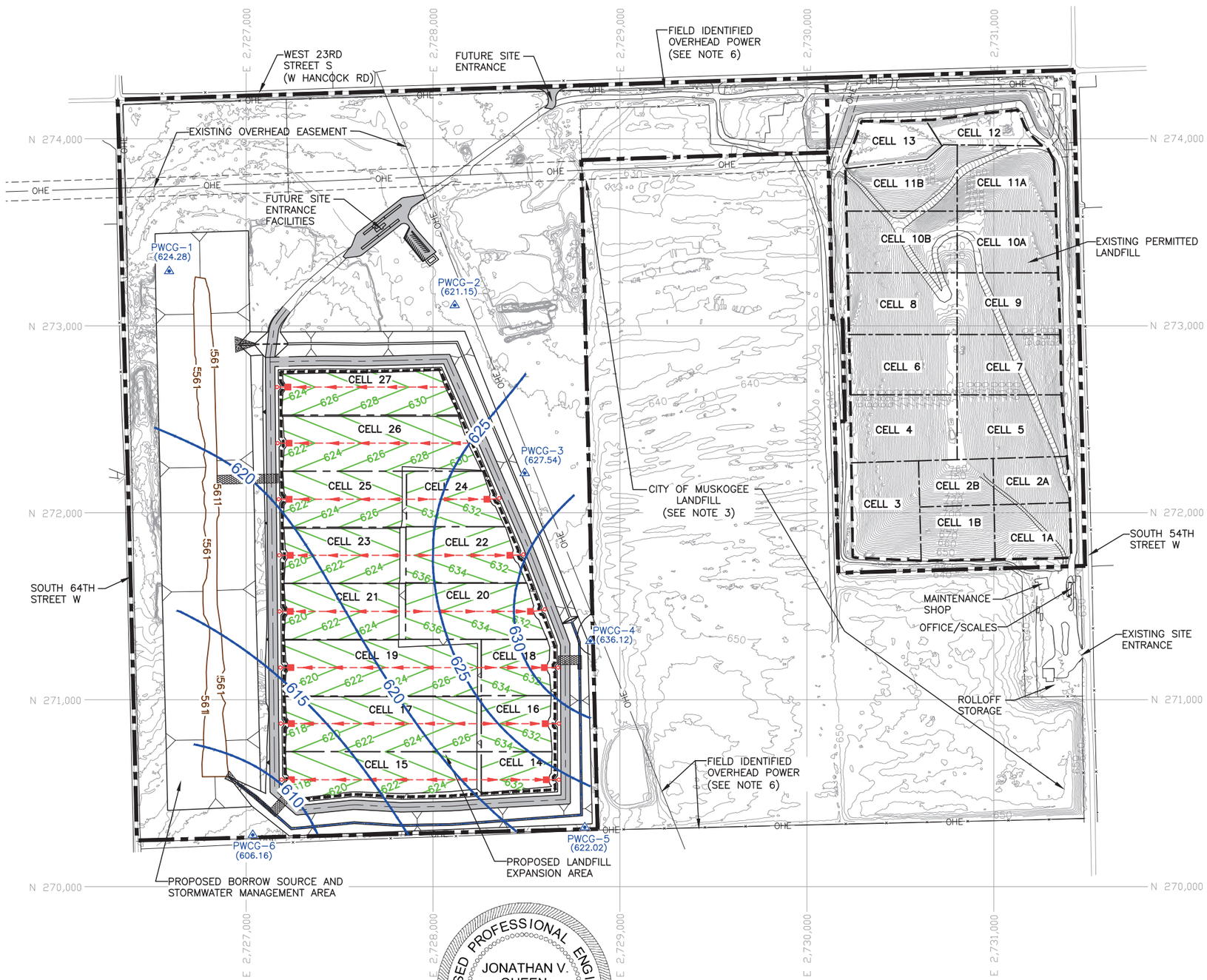

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (624.28) — 2022 PIEZOMETER LOCATION (POTENTIOMETRIC ELEVATION LISTED IN FT-MSL) (SEE NOTE 5 AND 6)
- 600 — DECEMBER 2022 POTENTIOMETRIC HEAD SURFACE CONTOUR (SEE NOTE 5 AND 6)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. POTENTIOMETRIC SURFACE CONTOURS PRODUCED FROM STATIC GROUNDWATER GAUGING CONDUCTED BY WCG IN DECEMBER 2022.
6. POTENTIOMETRIC SURFACE CONTOURS DEPICT THE POTENTIOMETRIC HEAD ELEVATION OF FRACTURE POROSITY GROUNDWATER UNDER CONFINED CONDITIONS AND ARE NOT SYNONYMOUS WITH THE ELEVATION OF UPPERMOST SATURATED SUBSURFACE SEDIMENTS.

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10/13/2023

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DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION DECEMBER 2022 POTENTIOMETRIC HEAD SURFACE CONTOUR MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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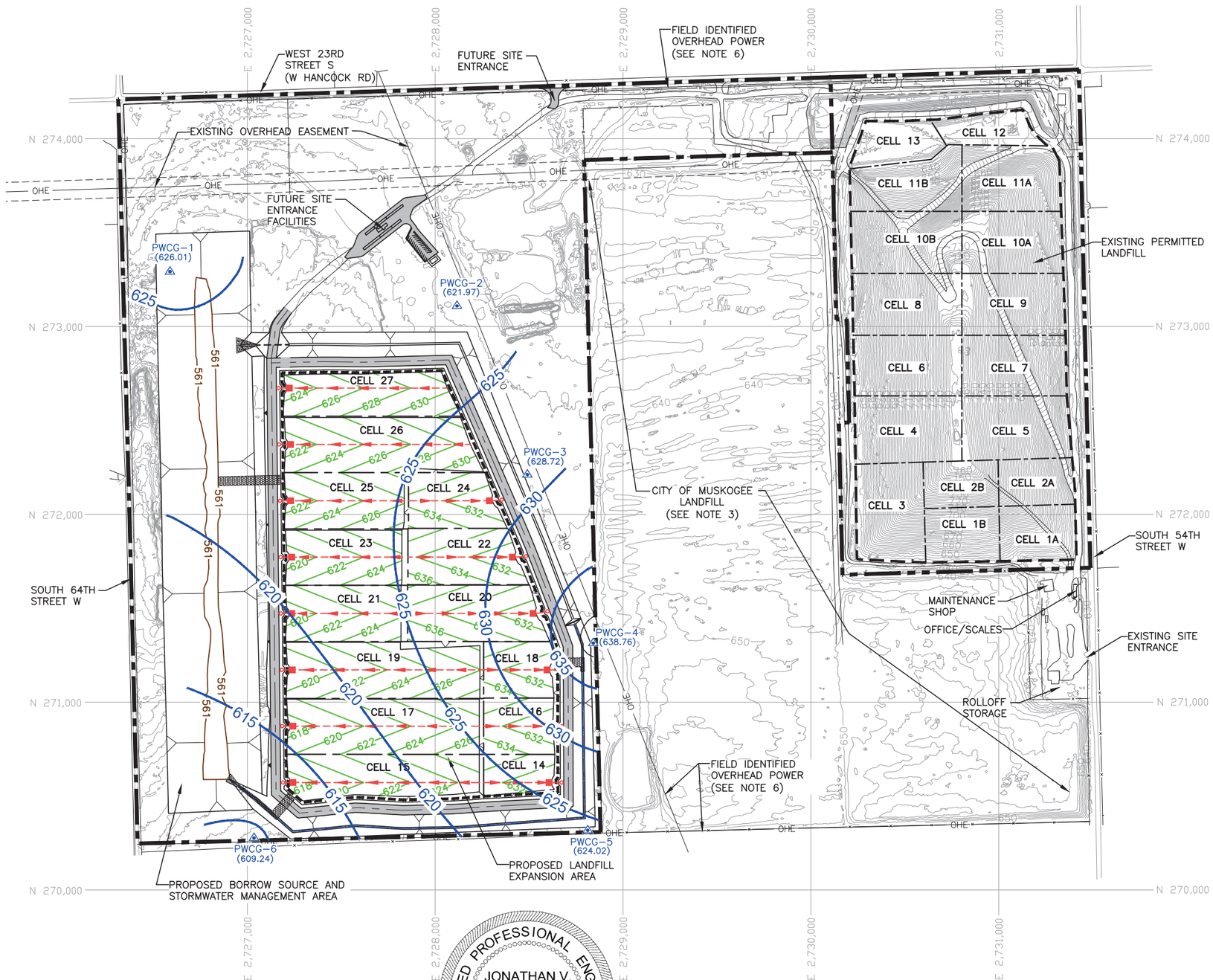
FIGURE E-1-13B

O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-13B DECEMBER 2022 GW MAP.dwg, jpnhr, 1:2



N

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (626.01) — 2022 PIEZOMETER LOCATION (POTENTIOMETRIC ELEVATION LISTED IN FT-MSL) (SEE NOTE 5 AND 6)
- 620 — APRIL 2023 POTENTIOMETRIC HEAD SURFACE CONTOUR (SEE NOTE 5 AND 6)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. POTENTIOMETRIC SURFACE CONTOURS PRODUCED FROM STATIC GROUNDWATER GAUGING CONDUCTED BY WCG IN APRIL 2023.
6. POTENTIOMETRIC SURFACE CONTOURS DEPICT THE POTENTIOMETRIC HEAD ELEVATION OF FRACTURE POROSITY GROUNDWATER UNDER CONFINED CONDITIONS AND ARE NOT SYNONYMOUS WITH THE ELEVATION OF UPPERMOST SATURATED SUBSURFACE SEDIMENTS.

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DATE: 10/2023
FILE: 0086-364-11
CAD: E-1-13C APRIL 2023 POT MAP.DWG

DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

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TIER III PERMIT MODIFICATION APRIL 2023 POTENTIOMETRIC HEAD SURFACE CONTOUR MAP

MUSKOGEE COMMUNITY RDF
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ATTACHMENT E-1-13C

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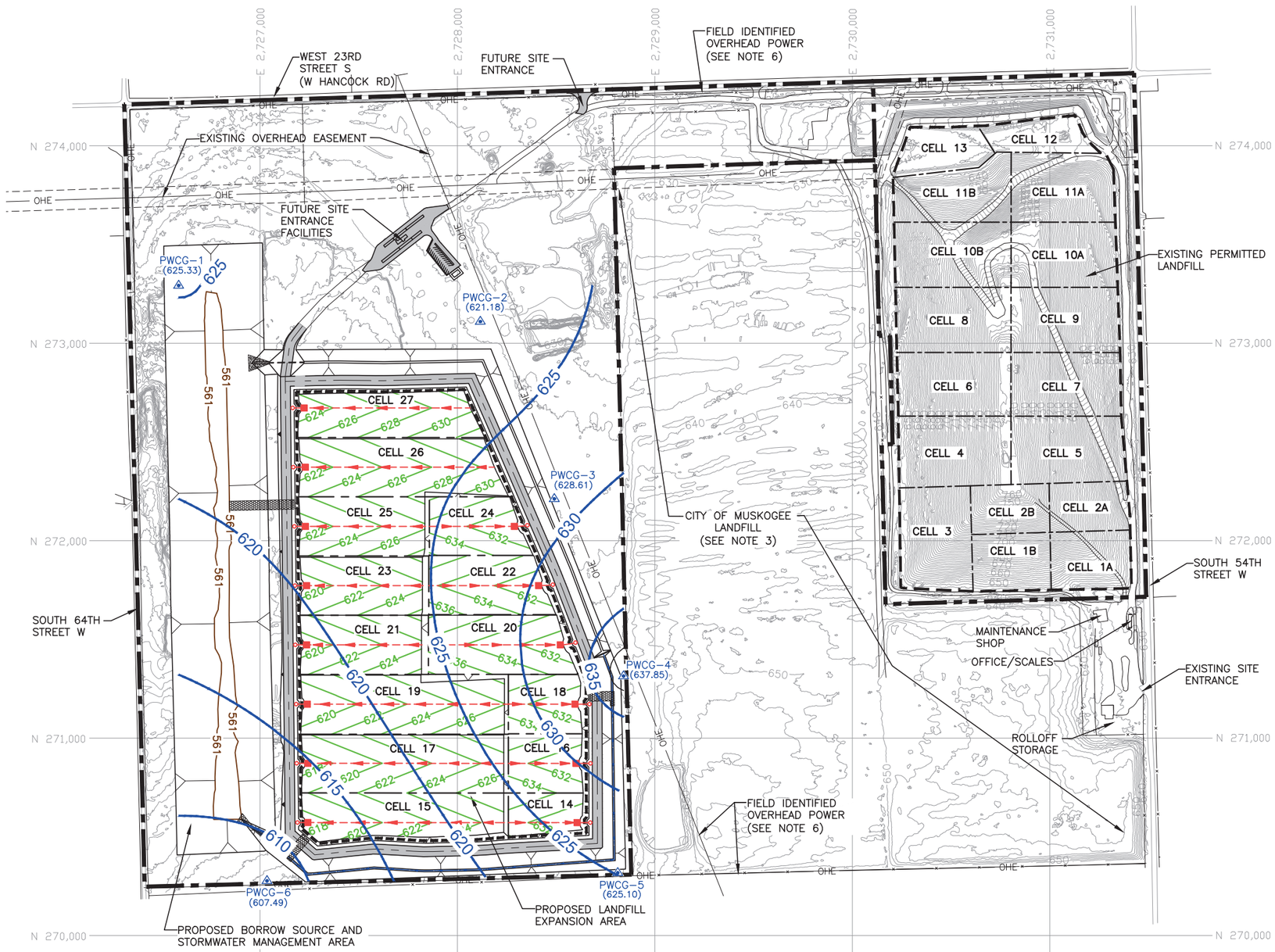

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- 636 — PROPOSED EXCAVATION CONTOUR
- 561 — SOIL BORROW CONTOUR
- CELL BOUNDARY
- PROPOSED LEACHATE LINE
- PROPOSED LEACHATE SUMP
- PROPOSED DRAINAGE CHANNEL
- OHE — EXISTING OVERHEAD EASEMENT
- PWCG-1 (625.33) — 2022 PIEZOMETER LOCATION (POTENTIOMETRIC ELEVATION LISTED IN FT-MSL) (SEE NOTE 5 AND 6)
- 620 — JULY 2023 POTENTIOMETRIC HEAD SURFACE CONTOUR (SEE NOTE 5 AND 6)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
5. POTENTIOMETRIC SURFACE CONTOURS PRODUCED FROM STATIC GROUNDWATER GAUGING CONDUCTED BY WCG IN JULY 2023.
6. POTENTIOMETRIC SURFACE CONTOURS DEPICT THE POTENTIOMETRIC HEAD ELEVATION OF FRACTURE POROSITY GROUNDWATER UNDER CONFINED CONDITIONS AND ARE NOT SYNONYMOUS WITH THE ELEVATION OF UPPERMOST SATURATED SUBSURFACE SEDIMENTS.

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CAD: E-1-13D JULY 2023 POT MAP.DWG

DRAWN BY: JDW
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REVIEWED BY: JVQ

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TIER III PERMIT MODIFICATION JULY 2023 POTENTIOMETRIC HEAD SURFACE CONTOUR MAP

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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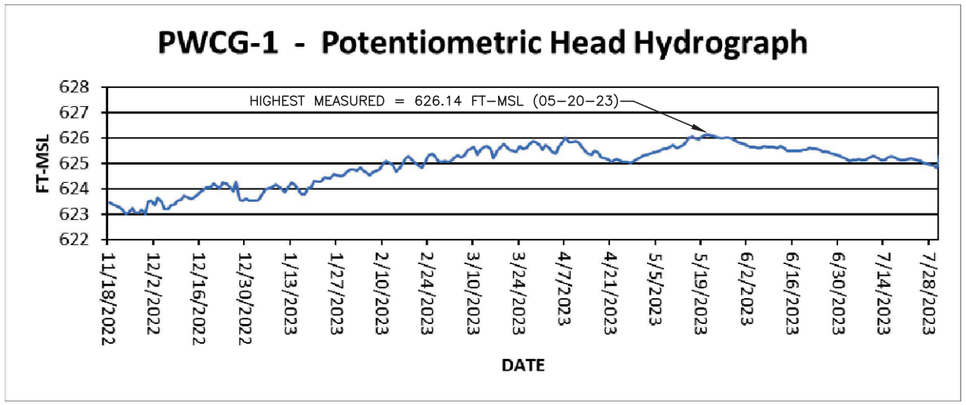
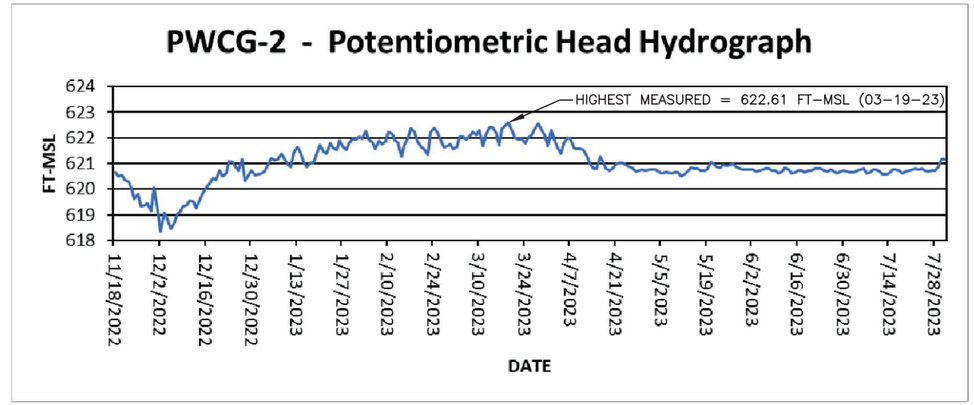
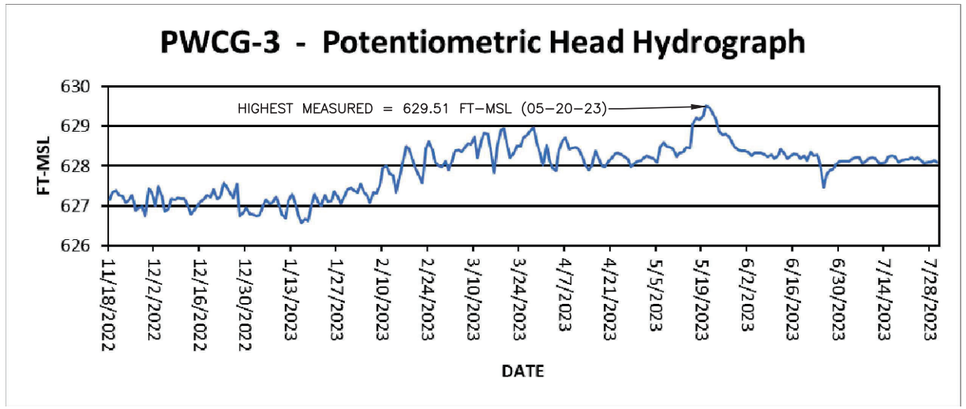
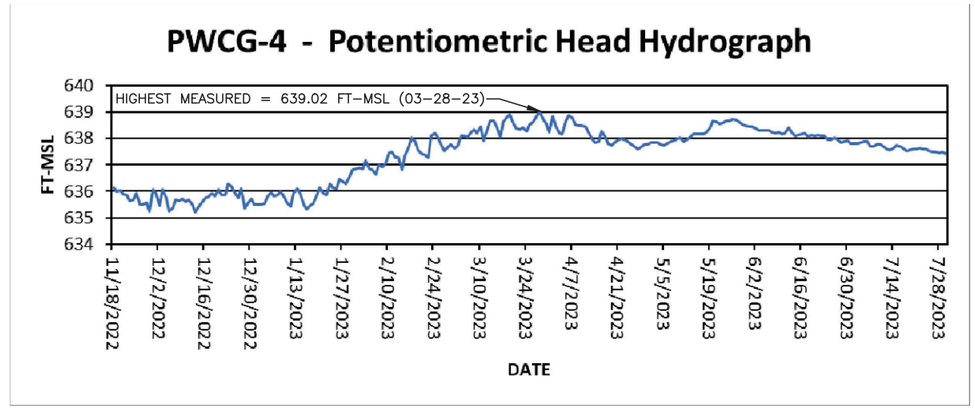
ATTACHMENT E-1-13D

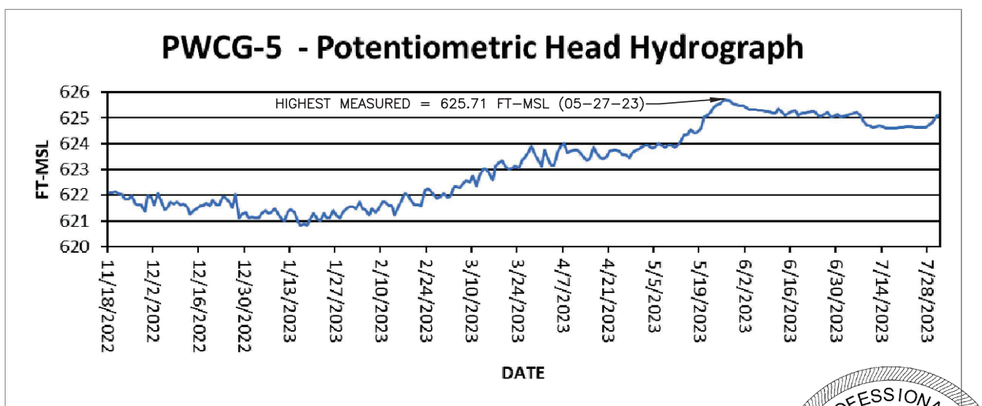
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-13D JULY 2023 GW MAP.dwg, jpdhr, 1:2

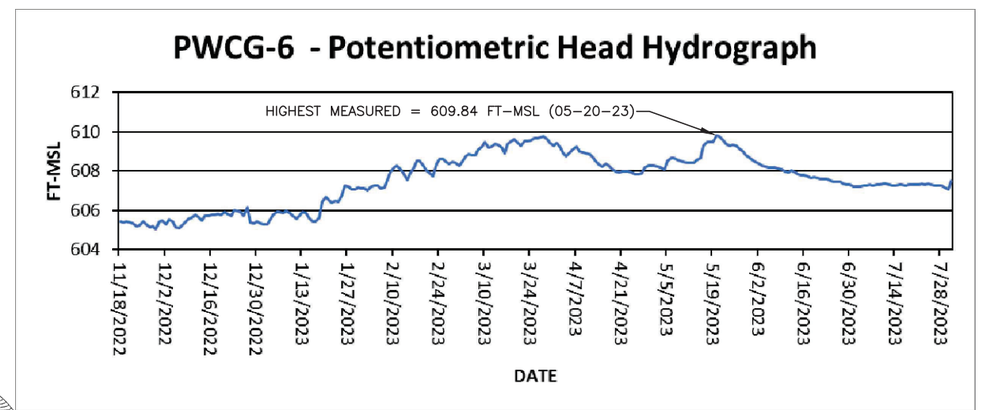












NOTES:

1. GROUNDWATER POTENTIOMETRIC HEAD ELEVATION DATA RECORDED IN EXPANSION AREA PIEZOMETERS BETWEEN 11-18-22 AND 07-31-23 USING DEDICATED TRANSDUCER LOGGERS.

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10/13/2023

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DATE: 10/2023 FILE: 0086-364-11 CAD: E-1-14 DATA LOGGER ELEVS.DWG DRAWN BY: JDW DESIGN BY: AKE REVIEWED BY: JVQ	REVISIONS NO. / DATE / DESCRIPTION	
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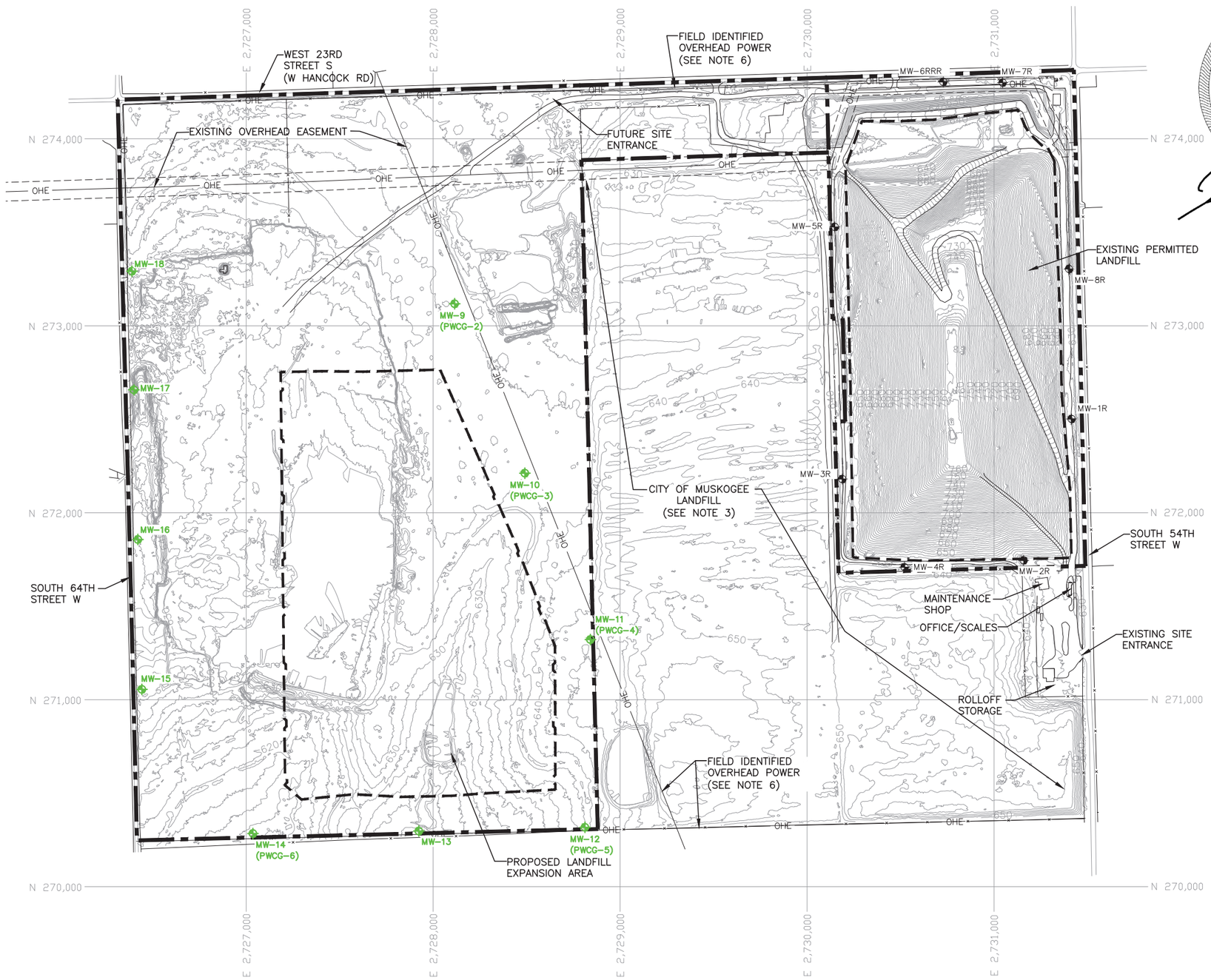

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10/13/2023

0 300 600
SCALE IN FEET

LEGEND

- EXISTING PERMIT BOUNDARY
- PROPOSED PERMIT BOUNDARY
- PERMITTED LIMITS OF WASTE
- PROPOSED LIMITS OF WASTE
- N 273,000 — STATE PLANE COORDINATE GRID
- 640 — EXISTING CONTOUR
- APPROXIMATE OG&E POWER LINE EASEMENT
- MW-5R — EXISTING GROUNDWATER MONITORING WELL
- MW-9 (PWCG-2) — PROPOSED GROUNDWATER MONITORING WELL (WITH FORMER PIEZOMETER DESIGNATION LISTED IN PARENTHESIS WHERE APPLICABLE)

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY HYDREX ENVIRONMENTAL COMPILED FROM AERIAL PHOTOGRAPHY FLOWN 01-25-2023.
2. THE EXPANSION WILL ADD A SEPARATE UNIT TO THE WEST OF THE EXISTING LANDFILL. NO CHANGES ARE PROPOSED TO THE EASTERN UNIT.
3. THE CITY OF MUSKOGEE LANDFILL IS NOT PART OF THE PROPOSED EXPANSION AND IS SHOWN FOR REFERENCE PURPOSES.
4. FORMER PIEZOMETER DESIGNATIONS ARE SHOWN IN PARENTHESES WHERE APPLICABLE.
5. PERMIT BOUNDARY AND EXISTING OVERHEAD EASEMENTS WERE REPRODUCED FROM LEGAL DESCRIPTION PREPARED BY WEAVER CONSULTANTS GROUP, SIGNED BY MICHAEL D BYTNER, LLS# 1986.
6. AN EASEMENT RECORD WAS NOT FOUND OR PROVIDED TO THE SURVEYOR. THE OVERHEAD POWER RUNNING ALONG THE NORTHERN AND SOUTHERN PROPERTY LINE AND NORTHWEST/SOUTHEAST ACROSS THE PROPERTY WAS FIELD IDENTIFIED AND SURVEYED.
7. A WASTE FREE BUFFER ZONE OF AT LEAST 100-FEET OFFSET FROM THE PROPOSED PERMIT BOUNDARY FOR THE LANDFILL EXPANSION AREA INCLUDED IN THIS MODIFICATION WILL BE MAINTAINED.

☐ DRAFT
☒ FOR PERMITTING PURPOSES ONLY
☐ ISSUED FOR CONSTRUCTION

DATE: 10/2023
FILE: 0086-364-11
CAD: FIG E-1-15 PROPOSED GW SYSTEM

DRAWN BY: JDW
DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2023

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION PROPOSED GROUNDWATER MONITORING SYSTEM

MUSKOGEE COMMUNITY RDF
OKLAHOMA COUNTY, OKLAHOMA

WWW.WCGRP.COM

FIGURE E-1-15

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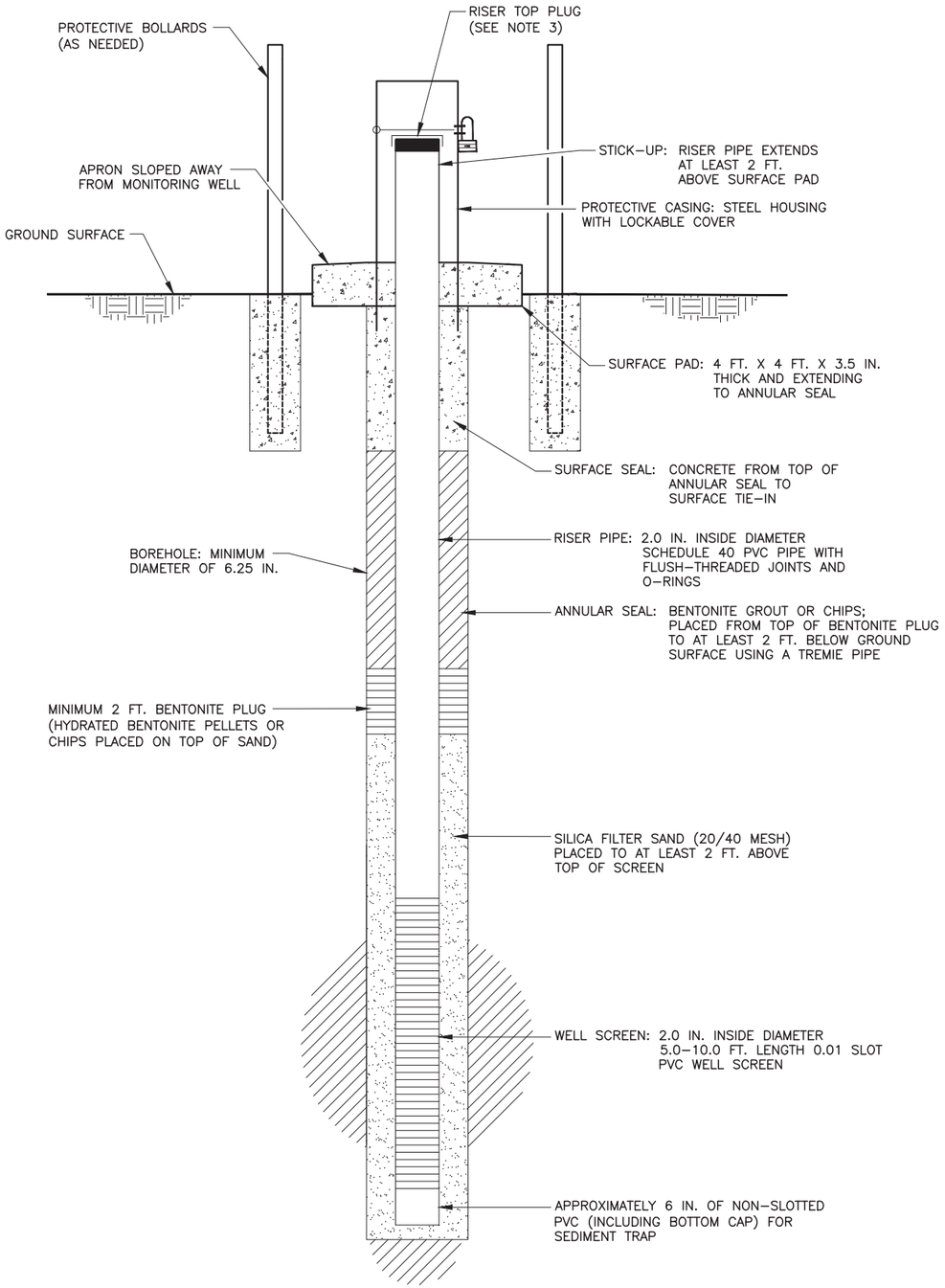
O:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-15 PROPOSED MW SYSTEM NETWORK.dwg, jpuhr, 1:2



TYPICAL MONITORING WELL DETAIL

NOT TO SCALE

WELL NUMBER	NORTHING	EASTING	GROUND ELEVATION	TOTAL WELL DEPTH	TOP OF CASING ELEVATION	FILTER PACK ELEVATIONS		WELL SCREEN ELEVATIONS		GROUNDWATER POTENTIOMETIC SURFACE ELEVATION
						TOP	BOTTOM	TOP	BOTTOM	
EXISTING PIEZOMETER PROPOSED TO BE CONVERTED TO MONITORING WELL										
MW-9 (PWCG-2)	273110.0	2728116.0	633.8	50.0	636.73	595.8	583.8	593.8	583.8	621.15
MW-10 (PWCG-3)	272211.7	2728490.6	635.3	40.0	638.48	602.3	595.3	600.3	595.3	627.54
MW-11 (PWCG-4)	271314.2	2728841.2	642.8	44.0	645.57	610.8	598.8	608.8	598.8	636.12
MW-12 (PWCG-5)	270317.6	2728811.9	637.7	45.0	640.70	599.7	592.7	597.7	592.7	622.02
MW-14 (PWCG-6)	270276.9	2727035.4	612.3	17.0	614.98	602.3	595.3	600.3	595.3	606.16
PROPOSED NEW MONITORING WELL TO BE INSTALLED										
MW-13	270298	2727923	620.0	38.0	623.0	594.0	582.0	592.0	582.0	620
MW-15	271056	2726444	640.0	52.0	643.0	600.0	588.0	598.0	588.0	615
MW-16	271855	2726420	650.0	60.0	653.0	602.0	590.0	600.0	590.0	620
MW-17	272650	2726402	650.0	60.0	653.0	602.0	590.0	600.0	590.0	623
MW-18	273292	2726390	630.0	40.0	633.0	602.0	590.0	600.0	590.0	624

NOTES:

1. ELEVATIONS LISTED IN FEET ABOVE MEAN SEA LEVEL.
2. TOTAL DEPTHS LISTED IN FEET ABOVE GROUND SURFACE.
3. GROUNDWATER POTENTIOMETRIC SURFACE ELEVATIONS FOR EXISTING PIEZOMETERS MEASURED BY WCG IN DECEMBER 2022.
4. DETAILS FOR PROPOSED NEW MONITORING WELL INSTALLATIONS ESTIMATED FROM TOPOGRAPHIC AND SUBSURFACE INVESTIGATION DATA.

LICENSED PROFESSIONAL ENGINEER
JONATHAN V. QUEEN
24456
OKLAHOMA
10/13/2023

☐ DRAFT
☒ FOR PERMITTING PURPOSES ONLY
☐ ISSUED FOR CONSTRUCTION

DATE: 10/2023
FILE: 0086-364-11
CAD: E-1-16-GW DETAILS MAP.DWG

DRAWN BY: SRF
DESIGN BY: AKE
REVIEWED BY: JVQ

Weaver Consultants Group
CA 3804 PE - 06/30/2025

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

TIER III PERMIT MODIFICATION
PROPOSED GROUNDWATER MONITORING WELL SYSTEM DETAILS

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

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ATTACHMENT E-1-16

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G:\0086\364\EXPANSION 2022\APPENDIX E\E-1\E-1-16 WELL DETAILS.dwg, jpohr, 1:2

ATTACHMENT E-2

LITHOLOGIC AND GEOPHYSICAL LOGS

Includes pages E-2-1 through E-2-56

CONTENTS

WCG Piezometer and Soil Boring Logs (2022) E-2-1

WCG Geophysical Logs (2022) E-2-42

WCG
PIEZOMETER AND SOIL BORING LOGS
(2022)

KEY TO LITHOLOGIC LOGS
MUSKOGEE RDF
2022 SUBSURFACE INVESTIGATION

SAMPLING METHODS:

Symbol:	Sampling Method:
U	Thin Walled Shelby Tube Sample
S	Split Spoon Barrel Sample
C	Split Core Barrel Sample
P	Pitcher Barrel Sample
A	Auger Sample
WR	Rotary Wash Sample

RELATIVE DENSITY OF COARSE GRAINED SOILS:

Penetration Resistance: (Blows/Foot)	Relative Density:
0 - 4	Very Loose
4 - 10	Loose
10 - 30	Medium Dense
30 - 50	Dense
Over 50	Very Dense

CONSISTENCY OF FINE-GRAINED SOILS:

Unconfined Compressive Strength: (Tons per Square Foot)	Consistency:	Field Criteria:
Less than 0.25	Very Soft	Squeezes between fingers when fist is closed.
0.25 to 0.50	Soft	Easily molded by fingers.
0.50 to 1.00	Firm	Molded by strong pressure of fingers.
1.00 to 2.00	Stiff	Imprinted very slightly by finger pressure.
2.00 to 4.00	Very Stiff	Cannot imprint with finger pressure / can penetrate w/ pencil.
4.00 and Up	Hard	Imprinted only slightly by pencil point.

MOISTURE:

Description:	Criteria:
Dry	Absence of moisture.
Moist	Damp, but no visible water.
Wet	Very damp to visible water.

PLASTICITY

Description:	Criteria:
Non-plastic	1/8" Thread Can't Be Rolled.
Low	1/8" Thread Difficult to Roll / No Lump.
Medium	1/8" Thread Easy to Roll / No reroll / No Lump.
High	Long time to 1/8" Thread at Plastic Limit.

STRATIFICATION:

Description:	Thickness:
Massive Bedding	> 10 ft.
Very Thickly Bedded	3 ft. to 10 ft.
Thickly Bedded	1 ft. to 3 ft.
Moderately Bedded	3 in. to 1 ft.
Thinly Bedded	1.2 in. to 3 in.
Very Thinly Bedded	3/8 in. to 1.2 in.
Laminated	< 3/8 in.
No Visible Bedding	Not Visually Evident

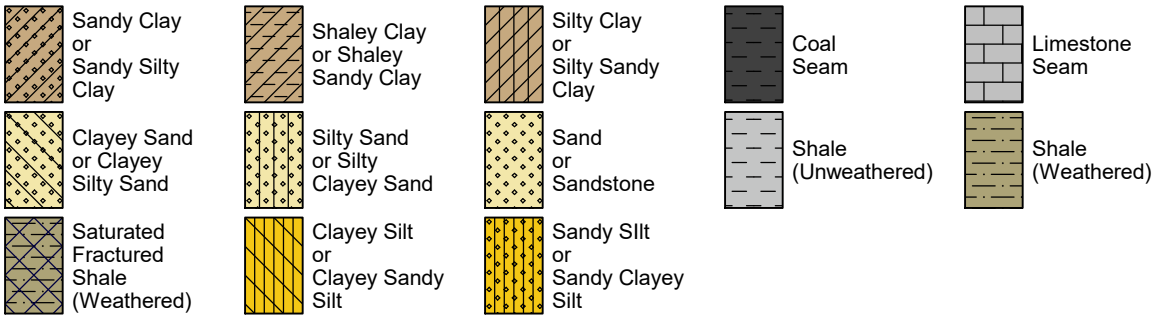
SEDIMENTARY TEXTURES:

Description:	Definition:
Slickensides	Polished fracture surface seen in clay.
Fractures	Failure plane, commonly w/ mineralization.
Blocky	Angular lumps that resist further breakdown.
Brecciated	Angular fragments commonly due to faulting.
Friable	Consolidated material easily broken into small pieces
Weathered	Irregular discoloration and diminished soil structure.
Calcareous	Contains calcium carbonate, commonly as cement.
Interbedded	Indicates alternating layers of contrasting sediments.

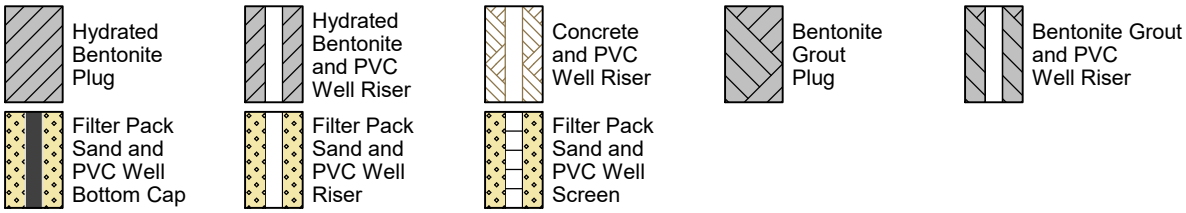
SUBSURFACE CONDITIONS:

The lithologic log soil and rock descriptions are based on visual field observations. The lithologic unit contacts shown on the logs indicate approximate boundaries between materials. The actual contacts may be gradational and vary between borehole locations. The visual/manual procedures used for the field classification of soils were performed in general accordance with ASTM Standard D-2488. Water level observations were made at the time of drilling and at subsequent times, as indicated. Future water levels may vary significantly from those indicated due to climatic factors, construction activity, or other factors.

LITHOLOGIC UNITS



PIEZOMETER AND PLUGGING DETAIL



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LOG OF BORING NO. PWCG-1

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/15/2022 Northing (State Plane): 273292.21
Boring End Date: 9/16/2022 Easting (State Pane): 2726588.23

Nearest Ground Elevation at Time of Drilling: 629.83 ft-msl
Top of PVC Well Casing Datum Elevation: 633.17 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 599.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 623.18 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S	SILT, sandy, clayey, dry, stiff to very stiff, plastic when moistened, reddish yellow, no visible bedding.		2.0								
5	U			3.0								
	S											
10	S		616.8									
		SHALE, silty, clayey, dry, hard, non-plastic to low plasticity when moistened, laminated, gray with brown mottling, weathered.		>4.5								
15	C			>4.5								
20	C		CL	>4.5		5	5.0		35	18	17	Kv 1.4x10^{-8}
25	C			>4.5								
30	C	- becomes fractured and wet in intervals from 30.0' to 36.0'.		>4.5								
35	C	- becomes moist below 36.0'.	593.8	>4.5								
			589.8									

Groundwater Piezometer Construction Detail: 627.83; 601.83; 600.23; 590.23

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. PWCG-1

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/15/2022 Northing (State Plane): 273292.21
Boring End Date: 9/16/2022 Easting (State Pane): 2726588.23

Nearest Ground Elevation at Time of Drilling: 629.83 ft-msl
Top of PVC Well Casing Datum Elevation: 633.17 ft-msl
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▼ = Static Potentiometric Surface Elevation: 623.18 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
			SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray.											589.73
	C													
45														
	C				>4.5									
50			- becomes dark gray and black with trace organics below 50.0'.											
	C				>4.5									
			- becomes fossiliferous below 54.0'.											
55			- becomes fractured from 55.0' to 57.0'.											
	C													
60														
	C				>4.5									
				566.8										566.83
			Total Borehole Depth = 63.0'.											
65														
70														
75														

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. PWCG-2

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

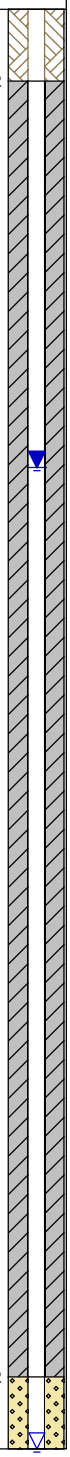
Boring Start Date: 9/14/2022 Northing (State Plane): 273110.03
Boring End Date: 9/15/2022 Easting (State Pane): 2728115.99

Nearest Ground Elevation at Time of Drilling: 633.82 ft-msl
Top of PVC Well Casing Datum Elevation: 636.73 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 593.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 621.08 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
		SILT, clayey, trace sand, dry, loose, non-plastic to low plasticity when moistened, no visible bedding, pinkish gray, with roots and organics.	631.3									
	S	CLAY, silty, trace sand, dry, hard, plastic when moistened, laminated, reddish yellow and white with brown, with iron staining.		>4.5								
5		CH-CL		>4.5		81	14.0		50	18	32	
	S		623.8									
10	S	CLAY, sandy, silty, moist, hard, low to medium plasticity, laminated, light gray and borwn, interbeded laminated of heterogeneous composition.		>4.5								
15		CL				76	8.0		44	15	29	
	S			>4.5								
20			611.8									
	S	CLAY, shaley, silty, dry to moist, hard, medium plasticity, laminated, brown, friable.		>4.5								
25		CL				84	9.0		45	15	30	
	S		605.8	>4.5								
30		SHALE, clayey, silty, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and brown, fissile, fractured in intervals, weathered.										
	S			1.0								
35				>4.5								
		CL				32	6.0		48	17	31	
	S											

Groundwater Piezometer Construction Detail



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LOG OF BORING NO. PWCG-2

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/14/2022 Northing (State Plane): 273110.03
Boring End Date: 9/15/2022 Easting (State Pane): 2728115.99

Nearest Ground Elevation at Time of Drilling: 633.82 ft-msl
Top of PVC Well Casing Datum Elevation: 636.73 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 593.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 621.08 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
			- becomes fractured and wet in intervals from 40.0 to 46.0'.											593.82
45	S			587.8										
	S		SHALE, silty, clayey in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and black, fractured in intervals, with trace organics.											583.82
50														583.32
	S				>4.5									
55					>4.5									
	C													
60					>4.5									
	C													
65														
	C			566.8	>4.5									566.82
			Total Borehole Depth = 67.0'.											
70														
75														

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. PWCG-3

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

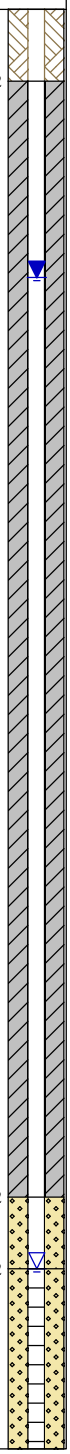
Boring Start Date: 9/16/2022 Northing (State Plane): 272211.72
Boring End Date: 9/17/2022 Easting (State Pane): 2728490.56

Nearest Ground Elevation at Time of Drilling: 635.32 ft-msl
Top of PVC Well Casing Datum Elevation: 638.48 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 600.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 627.86 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S	SILT, clayey, trace sand, dry, loose, non-plastic to low plasticity when moistened, no visible bedding, light reddish brown, with rootlets.	632.3									
		SAND, silty, clayey, dry, hard, non-plastic when moistened, laminated, light reddish brown.	630.3	>4.5								
5	U	CLAY, silty, sandy, moist, very stiff to hard, low to medium plasticity, laminated, light gray and brown, interbedded, with iron staining.		4.0								
	U		626.3	3.0								
10	U	CLAY, sandy, silty, with gravel, moist, hard, low to medium plasticity, laminated, brown and light gray with black mottling, interbedded, with trace organics and iron stones. CL		4.0		48	15.0		38	14	24	
	U			>4.5								
	U	- becomes light yellowish brown with light gray mottling below 13.0'.	620.3									
15	U	SAND, clayey, silty, moist, hard, low plasticity, laminated, brown and light yellowish brown, interbedded, with trace organics.	618.3	>4.5								
	U	CLAY, sandy, silty, dry to moist, hard, low plasticity, laminated, reddish brown and brown with light gray mottling, interbedded, with iron staining.	616.3	>4.5								
20	U	CLAY, silty, trace sand, dry to moist, hard, low plasticity, laminated, brown with black mottling, interbedded, with blocky partings.		>4.5								
	U		612.3									
	U	SHALE, silty, clayey, trace sand, dry, hard, plastic when moistened, laminated, brown and gray with black mottling, friable, weathered.		>4.5								
25	C	CL			Kv	96.3	10.1	123.8	31	28	8	Kv 6.3x10^{-9}
30			604.3									
	C	SHALE, silty, trace sand in intervals, dry, hard, non-plastic when moistened, laminated, dark gray and black, fossiliferous, weathered.		>4.5								
35		- becomes fractured, fissile, and wet in intervals from 35.0' to 38.0'.										
	C			>4.5								
			597.3	>4.5								
		ML	595.3		Kv	62.3	4.9	141.0	18	NP		Kv 1.5x10^{-8}

Groundwater Piezometer Construction Detail



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LOG OF BORING NO. PWCG-3

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/16/2022 Northing (State Plane): 272211.72
Boring End Date: 9/17/2022 Easting (State Pane): 2728490.56

Nearest Ground Elevation at Time of Drilling: 635.32 ft-msl
Top of PVC Well Casing Datum Elevation: 638.48 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 600.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 627.86 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray and black, homogenous, fractured in intervals, fossiliferous.		>4.5									595.32 / 594.82
45	C		- low angle fractures at 46.0' and 46.5'.		>4.5									
50	C		- heavily fractured from 51.0 to 51.5'. - becomes dark gray with no fossils observed below 52.0'.		>4.5									
55	C		- low angle fracture at 57.5'.		>4.5									
60	C		- low angle fracture at 61.0'. - low angle fracture at 62.5'.		>4.5									
65	C			567.3										567.32
70			Total Borehole Depth = 68.0'.											
75														

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. PWCG-4

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

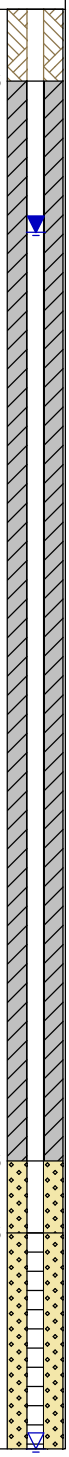
Boring Start Date: 9/18/2022 Northing (State Plane): 271314.23
Boring End Date: 9/19/2022 Easting (State Pane): 2728841.24

Nearest Ground Elevation at Time of Drilling: 642.76 ft-msl
Top of PVC Well Casing Datum Elevation: 645.57 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 602.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 636.56 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S	SAND, silty, trace clay, dry, soft to loose, non-plastic, no visible bedding, light reddish brown, with roots.	639.8									
5	U	CLAY, silty, sandy, moist, stiff to hard, low to medium plasticity, laminated, reddish yellow and brown with light gray mottling, interbedded, with iron staining. CL		4.0								
	U	- becomes heavily oxidized with abundant iron staining and iron nodules below 7.0'.		>4.5		81	18.0		46	15	31	
	U			3.5								
10	U		631.8	3.5								
	U	CLAY, sandy, silty, moist, stiff to hard, low to medium plasticity, laminated, reddish yellow and brown with light gray mottling, interbedded, with iron staining. - contains intermixed poorly consolidated sandstone clasts below 13.0'.		>4.5								
	U		628.8	>4.5								
15	U	SAND, clayey, silty, moist, hard, non-plastic to low plasticity in intervals, laminated, light yellowish brown and light gray with black mottling, interbedded, with intemixed sandstone clasts and iron staining.	625.8	>4.5								
	U	CLAY, silty, sandy, dry, hard, plastic when moistened, laminated, brown with black mottling, with blocky partings and trace organics.	623.8	>4.5								
20	U	SHALE, clayey, silty, dry, hard, plastic when moistened, laminated, brown with black mottling, friable, weathered.		>4.5								
	U	- low angle fracture at 21.5'										
	U	- becomes interbedded with clay laminations below 24.0'.										
25	C	- high angle fracture at 26.0'. CL	613.8		Kv	90.0	9.8	128.5	39	21	18	Kv 6.7×10^{-9}
30	C	SHALE, silty, trace sand in intervals, dry to moist, hard, non-plastic to plastic in intervals when moistened, laminated to thinly bedded, dark gray, fractured in intervals, weathered.										
35	C			>4.5								
	C	ML			Kv	57.8	5.5	142.3	28	NP		Kv 3.1×10^{-8}

Groundwater Piezometer Construction Detail



MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. PWCG-4

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/18/2022 Northing (State Plane): 271314.23
Boring End Date: 9/19/2022 Easting (State Pane): 2728841.24

Nearest Ground Elevation at Time of Drilling: 642.76 ft-msl
Top of PVC Well Casing Datum Elevation: 645.57 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 602.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 636.56 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		- becomes fractured and wet in intervals from 40.0' to 44.0'. - low angle fracture at 42.0'.	598.8										598.76 598.26
45	C		SHALE, clayey, dry, hard, plastic when moistened, laminated, dark gray, fractured in intervals.											
50	C				>4.5									
	C			588.3										
55	C		SHALE, with coal, dry, hard, non-plastic, laminated to thinly bedded, dark gray and black, fractured in intervals, fossiliferous.		>4.5									
60	C		- 12" shaley coal seam at 60.0'. - high angle slickenside at 61.0'. - low angle fracture with pyrite crystals at 61.5'. - high angle fractures at 62.0' and 62.5'.	581.8	>4.5									
	C			577.8										
65	C		SHALE, silty, dry, hard, non-plastic when moistened, no visible bedding, light gray, fractured in intervals.		>4.5									
70	C				>4.5									
	C			567.8	>4.5									567.76
75			Total Borehole Depth = 75.0'.											

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. PWCG-5

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/19/2022 Northing (State Plane): 270317.61
Boring End Date: 9/20/2022 Easting (State Pane): 2728811.89

Nearest Ground Elevation at Time of Drilling: 637.71 ft-msl
Top of PVC Well Casing Datum Elevation: 640.70 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 597.7 ft-msl
▼ = Static Potentiometric Surface Elevation: 622.78 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	S		SAND, silty, dry, loose, non-plastic when moistened, light reddish brown, no visible bedding, with roots.	632.7										635.71
5	U		CLAY, sandy, silty, dry, low to medium plasticity when moistened, light yellowish brown, laminated, with iron staining and iron nodules.	629.7										
	U													
	S		CLAY, silty, sandy, dry, plastic when moistened, light yellowish brown and brown, laminated, interbedded, with iron staining and trace organics. CL				85	12.0		48	18	30		
10	U													
	S													
15	U													
	U				>4.5									
	U													
	U				>4.5									
	S			617.7										
20	C		SHALE, silty, clayey, trace sand in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and yellowish brown, fractured in intervals, weathered.		>4.5									
25	C		ML		>4.5	Kv	60.7	3.4	148.7	29	NP		Kv 3.4×10^{-8}	
30			- becomes heavily fractured from 30.0' - 35.0'.											
	C				>4.5									
35														
	C		- becomes heavily fractured below 38.0'.		>4.5									599.71

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LOG OF BORING NO. PWCG-5

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/19/2022 Northing (State Plane): 270317.61
Boring End Date: 9/20/2022 Easting (State Pane): 2728811.89

Nearest Ground Elevation at Time of Drilling: 637.71 ft-msl
Top of PVC Well Casing Datum Elevation: 640.70 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 597.7 ft-msl
▼ = Static Potentiometric Surface Elevation: 622.78 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		- becomes wet in fractured intervals from 40.0' to 45.0'.	592.7	>4.5									597.71
45	C		SHALE, silty, dry, hard, non-plastic when moistened, dark gray, no visible bedding, crystaline.		>4.5									592.71 592.21
50	C		- becomes heavily fractured from 53.0' to 54.0'.		>4.5									
55	C		- becomes heavily fractured from 57.5' to 70.0'.		>4.5									
60	C				>4.5									
65	C													
70	C			567.7										567.71
75			Total Borehole Depth = 70.0'.											

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LOG OF BORING NO. PWCG-6

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

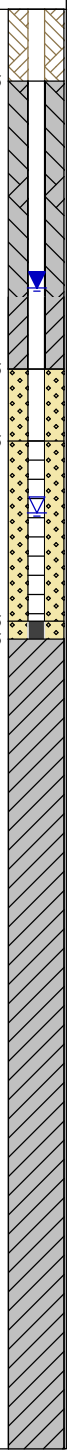
Boring Start Date: 9/28/2022 Northing (State Plane): 270276.85
Boring End Date: 9/29/2022 Easting (State Pane): 2727035.44

Nearest Ground Elevation at Time of Drilling: 612.25 ft-msl
Top of PVC Well Casing Datum Elevation: 614.98 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 598.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 604.50 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S	SAND, silty, dry, loose, non-plastic, no visible bedding, brown, with roots.	608.3									
5	U	CLAY, silty, shaley, trace sand, dry, hard, non-plastic to plastic in intervals when moistened, no visible bedding, brown and very dark brown with pinkish red mottling, with iron staining. CH		4.5		74	13.0		51	19	32	
	U											
10	U	- becomes light gray and brown with increased silt content below 9.0'. ML	601.3	4.5	Kv	89.4	16.6	116.0	28	25	3	Kv 1.1x10^{-7}
	U	SILT, clayey, shaley, dry, hard, non-plastic to plastic in intervals when moistened, no visible bedding, brown and very dark brown with pinkish red mottling, with iron staining.	599.3	4.5								
	C	SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray and black with brown mottling, fractured in intervals, weathered.		4.5								
15	C	- becomes heavily fractured and wet in intervlas from 14.0' to 17.0'. - high angle slickenside at 17.0'.	595.3	4.5								
20	C	- becomes calcareous below 20.0'.										
	C	- high angle fracture at 24.0'.		4.5								
25	C	- high angle slickenside at 26.5'.	585.3									
	C	SHALE, silty, dry, hard, non-plastic when moistened, laminated, light gray, calcareous, fractured. - vertical fracture at 29.0'.		4.5								
30	C	- high angle fracture at 30.5'.										
35	C	- high angle slickenside at 34.5'.		4.5								
	C											

Groundwater Piezometer Construction Detail



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LOG OF BORING NO. PWCG-6

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/28/2022 Northing (State Plane): 270276.85
Boring End Date: 9/29/2022 Easting (State Pane): 2727035.44

Nearest Ground Elevation at Time of Drilling: 612.25 ft-msl
Top of PVC Well Casing Datum Elevation: 614.98 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 598.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 604.50 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		- low angle fracture at 42.5'.	567.3	4.5									567.25
45			Total Borehole Depth = 45'.											
50														
55														
60														
65														
70														
75														

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LOG OF BORING NO. WCG-7

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/2/2022 Northing (State Plane): 273181.38
Boring End Date: 10/2/2022 Easting (State Pane): 2727465.81
Nearest Ground Elevation at Time of Drilling: 628.12 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, plastic when moistened, stiff to hard, no visible bedding, light brown, with iron staining.		>4.5									
5	S													
10	S													
15	S		SHALE, silty, clayey, dry, plastic when moistened, hard, laminated, light brown to gray, fractured in intervals, weathered.	613.1	>4.5									
20	C		- becomes highly fractured from 21.0' to 23.0'.											
25	C		- vertical fracture at 25.0'.		>4.5									
30	C		- becomes fossiliferous from 30.0' to 40.0'.		>4.5									
35	C			590.1										
			SHALE, silty, dry, non-plastic when moistened, hard, no visible bedding, gray and black, fractured in intervals, fossiliferous.											

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LOG OF BORING NO. WCG-7

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/2/2022 Northing (State Plane): 273181.38
Boring End Date: 10/2/2022 Easting (State Pane): 2727465.81
Nearest Ground Elevation at Time of Drilling: 628.12 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
			- vertical fracture at 39.5'.											
			- high angle fracture at 41.5'.											
	C													
45														
			- vertical fracture 46.0' to 47.0'.											
	C													
			- high angle slickenslide at 48.5'.											
			- vertical fracture at 49.5'.											
50														
	C													
55														
					>4.5									
	C		- becomes heavily fractured below 58.5'.											
				568.1										568.12
60			Total Borehole Depth = 60.0'.											
65														
70														
75														

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LOG OF BORING NO. WCG-8

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/1/2022 Northing (State Plane): 272597.70
Boring End Date: 10/1/2022 Easting (State Pane): 2727494.83
Nearest Ground Elevation at Time of Drilling: 626.06 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, stiff to hard, non-plastic when moistened, laminated, light brown to brown, with iron staining and rootlets.		3.5									
5					>4.5									
	S			616.1	4.5									
10	S		CLAY, shaley, silty, sandy, dry, hard, plastic when moistened, laminated, light brown to brown, interbedded, fossiliferous. CL		>4.5		56	6.0		30	18	12		
15														
	S			608.1										
20			SHALE, silty, trace clay, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray, fractured in intervals, fossiliferous, weathered. - high angle fracture at 21.0'.		3.25 >4.5									
	C													
25														
	C			596.1										
30	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated, gray to black, fratured in intervals. NP				13	2.0		NP	NP	NP		
35			- becomes highly fractured from 35.0' to 37.0'.											
	C				>4.5									

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-8

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/1/2022 Northing (State Plane): 272597.70
Boring End Date: 10/1/2022 Easting (State Pane): 2727494.83
Nearest Ground Elevation at Time of Drilling: 626.06 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C				>4.5									
45														
	C				>4.5									
50														
	C													
55					>4.5									
	C				>4.5									
60			Total Borehole Depth = 60.0'.	566.1										566.06
65														
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-9

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/14/2022 Northing (State Plane): 272168.60
Boring End Date: 10/14/2022 Easting (State Pane): 2726574.30
Nearest Ground Elevation at Time of Drilling: 630.56 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SHALE, silty, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and dark gray, fissile, fractured in intervals, weathered. - becomes highly fractured from 2.0' to 3.5'.		2.75									
5	C		- low angle fracture at 7.0'. - low angle fracture at 8.5'.		>4.5									
10	C			CL			47	3.0		36	18	18		
15	C		- becomes moist below 15.0'.		>4.5									
20	C		- low angle fracture at 21.5'. -low angle fracture at 23.5'.	606.6										
25	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated, gray and black, fossiliferous, fractured in intervals, with trace organics. - low angle fracture at 29.0'.											
30	C		-low angle fracture at 30.5'.		>4.5									
35	C													

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LOG OF BORING NO. WCG-9

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/14/2022 Northing (State Plane): 272168.60
Boring End Date: 10/14/2022 Easting (State Pane): 2726574.30
Nearest Ground Elevation at Time of Drilling: 630.56 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
			- vertical fracture from 40.0' to 41.0'.											
	C				>4.5									
			- vertical fracture from 44.5' to 45.0'.											
45														
	C													
50														
	C				>4.5									
55														
			- low angle slickenslide at 56.0'.											
	C													
60			- high angle slickenslide at 60.0'.											
	C													
				567.6										567.56
			Total Borehole Depth = 63.0'.											
65														
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-10

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 9/30/2022 Northing (State Plane): 272168.23
Boring End Date: 10/1/2022 Easting (State Pane): 2727505.65
Nearest Ground Elevation at Time of Drilling: 622.71 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, trace clay, dry, loose to poorly consolidated, non-plastic to plastic in intervlas when moistened, laminated, brown, with rootlets.											
5	S			613.7										
10	C		SHALE, silty, clayey, trace sand in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray, interbedded, weathered, with iron staining.		>4.5									
			- low angle fracture at 13.0'.	CL			10	6.0	147.0	30	15	15		
15				CL-ML		Kv	71.7	3.2	150.1	27	21	6	Kv $4.6x10^{-8}$	
	C			CL										
			- low angle fracture at 19.0'.				16 55.3	4.0 3.7		34	16	18		
20			- becomes heavily fractured from 20.5' to 21.5'.											
	C				>4.5									
25				597.7										
	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated, gray, fractured in intervals.		>4.5									
30														
	C		- becomes fractured from 32.5' to 33.5'.		>4.5									
35														
	C				>4.5									

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-10

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 9/30/2022 Northing (State Plane): 272168.23
Boring End Date: 10/1/2022 Easting (State Pane): 2727505.65
Nearest Ground Elevation at Time of Drilling: 622.71 ft-msl
∇ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C		- high angle slickenslide at 42.0'.		>4.5									
45														
	C		- becomes fractured from 48.0' to 49.0'.		>4.5									
50														
	C		- becomes fractured below 54.0'.	567.7	>4.5									567.71
55			Total Borehole Depth = 55.0'.											
60														
65														
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-11

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/3/2022 Northing (State Plane): 272184.21
Boring End Date: 10/3/2022 Easting (State Pane): 2728056.78
Nearest Ground Elevation at Time of Drilling: 636.00 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, soft, non-plastic when moistened, brown, with rootlets.	632.0	0.75 >4.5									
5	U		CLAY, silty, sandy, hard, dry, plastic when moistened, laminated, dark brown and gray, with iron staining and iron nodules.		>4.5									
	U				>4.5									
10	U													
	U			CL	>4.5		54	12.0	119.0	46	17	29		
	U			CL			57	11.0		37	16	21		
15	U				>4.5									
	U													
20	U			615.0	>4.5									
	C		SHALE, silty, dry, hard, non-plastic to plastic in intervals when moistened, laminated, brown and dark gray, fractured in intervals, weathered, with iron staining. - high angle fracture at 22.0'.		>4.5									
25	C		- becomes heavily fractured from 25.0' to 35.0'.	CL	>4.5		31	7.0		44	20	24		
30	C													
35	C		SHALE, silty, clayey, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and black.	601.0	>4.5									

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LOG OF BORING NO. WCG-11

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/3/2022 Northing (State Plane): 272184.21
Boring End Date: 10/3/2022 Easting (State Pane): 2728056.78
Nearest Ground Elevation at Time of Drilling: 636.00 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C				>4.5									
45														
			CL				7	4.0		38	20	18		
	C		- high angle fracture at 47.5'.		>4.5									
50														
	C													
55														
			- vertical fractures at 56.5' to 59.0'.											
	C				>4.5									
60														
	C		- high angle fracture at 62.5'.		>4.5									
65														
	C			568.0										568.00
			Total Borehole Depth = 68.0'.											
70														
75														

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LOG OF BORING NO. WCG-12

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 9/30/2022 Northing (State Plane): 271739.97
Boring End Date: 9/30/2022 Easting (State Pane): 2727625.21
Nearest Ground Elevation at Time of Drilling: 620.48 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, clayey, dry, loosly consolidated, non-plastic when moistened, laminated, brown, with roots.	617.5										
5	U		CLAY, shaley, sandy, silty, dry, loose to poorly consolidated, plastic when moistened, brown. CL				59	7.0		24	17	7		
	U			612.5	>4.5									
	U		SHALE, silty, clayey, dry, non-plastic to plastic in intervals when moistened, laminated, dark gray, fractured in intervals, weathered.											
10	C				>4.5									
15	C		CL				20	4.0		39	20	19		
20	C		- becomes heavily fractured from 20.0' to 21.0'.		>4.5									
			- low angle fracture at 22.5'.											
			- becomes heavily fractured from 23.5' to 24.0'.	596.5										
25	C		SHALE, silty, clayey, dry, non-plastic to plastic in intervals when moistened, laminated, dark gray to black, fractured in intervals. - high angle slickenslides at 25.0'. - high angle fracture at 26.0'. - high angle slickenslide at 27.5'. - high angle slickenslides at 29.0'.											
30	C				>4.5									
35	C		- becomes heavily fractured from 36.5' to 38.0'. CL				2	5.0	148.0	32	17	15		
			- high angle fracture at 38.5'.		>4.5									

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LOG OF BORING NO. WCG-12

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 9/30/2022 Northing (State Plane): 271739.97
Boring End Date: 9/30/2022 Easting (State Pane): 2727625.21
Nearest Ground Elevation at Time of Drilling: 620.48 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C		- low angle fracture at 42.5'.											
45														
	C				>4.5									
			- high angle slickenslide at 49.5'.											
50														
			- high angle fracture at 51.0' and 52.5'.											
	C				>4.5									567.48
55				565.5										
			Total Borehole Depth = 55.0'.											
60														
65														
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-13

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/4/2022 Northing (State Plane): 271749.11
Boring End Date: 10/4/2022 Easting (State Pane): 2728147.76
Nearest Ground Elevation at Time of Drilling: 632.78 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
			SAND, silty, dry, soft, non-plastic when moistened, brown, with roots.	630.8										
	S		CLAY, sandy, silty, dry, hard, non-plastic to plastic in intervals when moistened, laminated, brown and gray, with iron staining and iron nodules.		>4.5									
5	U				4.5									
	U				3.25									
10	U			622.8	>4.5									
	U		SAND, silty, clayey, with gravel, moist, stiff to hard, non-plastic to low plasticity in intervals, laminated, reddish yellow and brown, with iron staining and iron nodules.				61.1	18.8		24	NP			
	U				0.75									
15				617.8	>4.5									
	U		CLAY, silty, sandy, moist, stiff to hard, low plasticity, laminated, reddish brown, with iron staining and iron nodules. SC		2.5		39	13.0		31	15	16		
					>4.5									
	U		CL	613.8	>4.5		88	12.0	121.0	37	18	19		
20	U		SHALE, silty, clayey, dry, hard, non-plastic to plastic in intervals when moistened, laminated, dark brown and gray, fractured in intervals, weathered, with iron staining. - becomes heavily fractured from 21.5' to 36.0'.		>4.5									
	C				>4.5									
25	C				>4.5									
30				601.8										
	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated, gray and black, fractured in intervals.		>4.5									
35	C		- low angle fracture at 37.5'.		>4.5									

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LOG OF BORING NO. WCG-13

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/4/2022 Northing (State Plane): 271749.11
Boring End Date: 10/4/2022 Easting (State Pane): 2728147.76
Nearest Ground Elevation at Time of Drilling: 632.78 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C				>4.5									
			- becomes heavily fractured from 44.0' to 46.0'.											
45														
	C		- low angle fracture at 47.5' and 48.0'.		>4.5									
50			- becomes heavily fractured at 50.5'.											
	C		- vertical fracture at 52.5'.											
			- low angle slickenslides at 54.5' and 55.0'.											
55														
	C		- becomes heavily fractured from 58.5' to 65.0' with slickenslides.		>4.5									
60														
	C				>4.5									
				567.8										567.78
65			Total Borehole Depth = 65.0'.											
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-14

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/15/2022 Northing (State Plane): 271301.10
Boring End Date: 10/15/2022 Easting (State Pane): 2726516.90
Nearest Ground Elevation at Time of Drilling: 643.06 ft-msl
∇ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, stiff, non-plastic when moistened, laminated, light brown, weathered, with rootlets.	638.1	4									
5	C		SANDSTONE, silty, dry, hard, non-plastic when moistened, laminated, light brown, weathered, with iron staining.	631.6										
10	C		SHALE, sandy, silty, dry, hard, laminated, gray and black, fissile, fractured in intervals, weathered.		>4.5									
15	C				>4.5									
20	C													
25	C		- low angle fracture at 28.0'.		>4.5									
			- low angle fractures at 29.5' and 29.75'.											
30	C		- becomes heavily fractured from 30.5' to 31.0'.		>4.5									
			- low angle fracture at 33.0'.											
35	C		- low angle fracture at 36.5'.											
			- low angle fractures at 39.5' and 40.5'.											

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LOG OF BORING NO. WCG-14

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/15/2022 Northing (State Plane): 271301.10
Boring End Date: 10/15/2022 Easting (State Pane): 2726516.90
Nearest Ground Elevation at Time of Drilling: 643.06 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C		- 6" LIMESTONE seam, dry, hard, non-plastic when moistened, light gray at 42.5'.	600.1	>4.5									
			SHALE, silty, dry, hard, non-plastic when moistened, laminated, gray and black, fracture in intervals, fossiliferous.											
45	C		- low angle fracture at 48.5'.		>4.5									
50	C		- becomes interbedded with trace silt laminations from 50.0' to 51.0'.											
55	C				>4.5									
60	C		- high angle fracture at 64.0'.											
65	C		- becomes heavily fractured at 66.0'.		>4.5									
70	C		- vertical fracture at 70.5'. - low angle fracture at 71.5'.											
75			Total Borehole Depth = 75.0'.	568.1										568.06

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LOG OF BORING NO. WCG-15

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/29/2022 Northing (State Plane): 271295.72
Boring End Date: 9/29/2022 Easting (State Pane): 2727693.61
Nearest Ground Elevation at Time of Drilling: 625.81 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, loose, non-plastic when moistened, brown, with iron staining and rootlets.	620.8										
5	U		CLAY, sandy, silty, dry, plastic when moistened, hard, poorly consolidated, light brown, with iron staining.		>4.5									
	S		CL	615.8			88	14.0		41	18	23		
10	U		CLAY, shaley, sandy, dry, plastic when moistened, stiff to hard, brown to light gray.	613.8	>4.5									
	S		SAND, silty, clayey, dry, non-plastic when moistened, laminated, loose to poorly consolidated, brown.											
15	S			605.8										
20	C		SHALE, silty, clayey, trace sand in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated, dark gray to black and brown, fractured in intervals, weathered. - high angle slickenslide at 22.5'. - high angle fracture at 23.5'.		>4.5									
25	C		- low angle fractures at 25.5'. CL - low angle fracture at 27.5'. - high angle fracture at 28.5' and 29.5'.		>4.5		8	4.0		42	20	22		
30	C		- high angle fracture at 31.5'. CL-ML - high angle slickenslide at 32.0'. - becomes heavily fractured from 32.0' to 33.0'.	590.8		Kv	50.5	3.1	147.5	28	22	6	Kv 1.1×10^{-7}	
35	C		SHALE, silty, clayey, dry, hard, non-plastic to plastic in intervals when moistened, laminated, dark gray to black, fractured in intervals. - becomes heavily fractured with slickenslides from 36.0' to 40.0'.											

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LOG OF BORING NO. WCG-15

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/29/2022 Northing (State Plane): 271295.72
Boring End Date: 9/29/2022 Easting (State Pane): 2727693.61
Nearest Ground Elevation at Time of Drilling: 625.81 ft-msl
∇ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C		- high angle fracture at 43.5'.		>4.5									
45			- high angle slickenslide at 45.5'.											
	C		- low angle slickenslide at 47.0'. CL				4	8.0	137.0	43	20	23		
50			- 6" shaley coal seam, dry, black, at 50.5'.	574.8	>4.5									
	C		SHALE, silty, clayey, dry, hard, non-plastic to plastic in intervals when moistened, laminated, dark gray to black, fractured in intervals.		>4.5									
55														
	C		- high angle fracture at 57.0'.		>4.5									
			- high angle fracture at 58.5'. - vertical fracture at 59.5'.											
60														
	C				>4.5									
65														
	C		CL	556.8	>4.5		23	2.0		34	18	16		
70			LIMESTONE, dry, hard, non-plastic when moistened, gray to light gray, fossiliferous.	554.8										
	C		SHALE, dry, hard, non-plastic when moistened, laminated, dark gray to black, fractured in intervals.		>4.5									
75														
	C		- low angle fracture at 76.5'.		>4.5									

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-15

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/29/2022 Northing (State Plane): 271295.72
Boring End Date: 9/29/2022 Easting (State Pane): 2727693.61
Nearest Ground Elevation at Time of Drilling: 625.81 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C													
85			- vertical fracture at 85.0'.											
	C				>4.5									
90			- becomes highly fractured from 90.0' to 91.0'. - high angle fracture at 91.0'.											
	C		- high angle fracture at 93.5'.											
95														
	C				>4.5									
100				525.8										525.81
			Total Borehole Depth = 100.0'.											
105														
110														
115														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-16

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/5/2022 Northing (State Plane): 271299.70
Boring End Date: 10/12/2022 Easting (State Pane): 2728344.27
Nearest Ground Elevation at Time of Drilling: 633.07 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
			SAND, silty, dry, loose, non-plastic when moistened, brown, with rootlets.	631.1										
	S		CLAY, sandy, silty, dry, hard, non-plastic to plastic when moistened, dark brown, interbedded, with iron nodules.		>4.5									
5	U		CL				42	13.0		44	17	27		
	U													
10	U													
	U				>4.5									
	U			619.1										
15	U		SHALE, clayey, silty, dry, hard, plastic when moistened, laminated, dark brown and gray, fractured in intervals, with iron staining, weathered.		>4.5									
	U				>4.5									
	U						88.9	15.5		39	25	14		
20	U													
	C		CL-CH - low angle fracture at 23.5'.		>4.5		32	14.0	124.0	50	21	29		
25			- becomes highly fractured from 25.0' to 33.5' with slickenslides.											
	C				>4.5									
30														
	C			600.1										
			SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray to black.											
35			- becomes heavily fractured from 36.0' to 40.5'.											
	C				>4.5									

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-16

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS
Drilling Firm: Envirotech

Boring Start Date: 10/5/2022 Northing (State Plane): 271299.70
Boring End Date: 10/12/2022 Easting (State Pane): 2728344.27
Nearest Ground Elevation at Time of Drilling: 633.07 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C				>4.5									
45			- high angle fracture at 45.5'.											
	C		- vertical fracture at 48.5'.		>4.5									
50			- becomes heavily fractured from 50.5' to 58.0' with slickenslides.											
	C													
55					>4.5									
	C			575.1										
			LIMESTONE, dry, hard, non-plastic when moistened, gray to light gray, fossiliferous.	573.1	>4.5									
60			SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray to black, fractured in intervals.											
	C				>4.5									
				568.1										568.07
65			Total Borehole Depth = 65.0'.											
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-17

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/26/2022 Northing (State Plane): 270830.14
Boring End Date: 9/27/2022 Easting (State Pane): 2727697.84
Nearest Ground Elevation at Time of Drilling: 633.46 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, loose, non-plastic when moistened, brown, with rootlets.	628.5										
5	U		CLAY, sandy, silty, moist, hard, low to moderate plasticity, laminated, reddish yellow, with iron staining and iron nodules.		>4.5									
	S			623.5										
10	S		SAND, silty, dry, loose, non-plastic when moistened, brown.	621.5										
			SILT, clayey, dry, stiff, plastic when moistened, brown.	619.5	0.5-1									
15	U		CLAY, shaley, sandy, silty, dry, hard, plastic when moistened, laminated, brown and gray, cross-bedded, friable. CL		>4.5									
	S						65	10.0		39	20	19		
	U				>4.5									
	S													
20	U		CL		>4.5		83	12.0		39	18	21		
	C			609.5	>4.5									
25	C		SHALE, silty, clayey, dry, hard, non-plastic to plastic in intervals when moistened, laminated, dark gray and black.	605.5	>4.5 >4.5									
30	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray and black, fractured in intervals. - low angle fracture at 31.0'. - vertical fracture at 33.0'.		>4.5									
35	C		- becomes heavily fractured from 37.5' to 43.0'.		>4.5									

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-17

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/26/2022 Northing (State Plane): 270830.14
Boring End Date: 9/27/2022 Easting (State Pane): 2727697.84
Nearest Ground Elevation at Time of Drilling: 633.46 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: Not Observed

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C				>4.5									
45			- vertical fracture at 45.5'.											
	C													
50			- becomes heavily fractured from 51.5' to 53.0'.											
	C				>4.5									
55			- vertical fracture at 55.0'.											
	C													
60			- 6" shaley coal seam, dry, black, at 60.5'.	572.5										
	C				>4.5									
			- high angle fractures at 64.5'.	568.5										568.46
65			Total Borehole Depth = 65.0'.											
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-18

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & AKE
Drilling Firm: Envirotech

Boring Start Date: 10/12/2022 Northing (State Plane): 270842.06
Boring End Date: 10/13/2022 Easting (State Pane): 2728342.61
Nearest Ground Elevation at Time of Drilling: 632.79 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, clayey, dry, loose, non-plastic when moistened, no visible bedding, brown, with rootlets.	629.8	>4.5									
5	U		CLAY, silty, sandy, moist, hard, medium to high plasticity, laminated, reddish yellow to dark reddish brown, interbedded, with iron staining. CH		>4.5		75	17.0		62	21	41		
	U				>4.5									
				623.8										
10	U		SHALE, clayey, silty, dry, hard, plastic when moistened, laminated to very thinly bedded, reddish yellow and light gray and dark reddish brown, interbedded, fractured in intervals. weathered.		4.5									
	U				4.5									
	U				4.5									
15	C		CL		>4.5		65	10.0		39	19	20		
20	C		- low angle fracture at 24.0'.											
25	C		- becomes heavily fractured from 26.5' to 29.0'. CL - low angle fractures from 28.0' to 29.0'.		>4.5		7	6.0		40	19	21		
				602.8	>4.5									
30	C		SHALE, silty, clayey, dry, hard, non-plastic to plastic in intervals when moistened, laminated, dark gray and black, fractured in intervals, trace organics. - low angle fracture at 33.0'.											
35	C													

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-18

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & AKE
Drilling Firm: Envirotech

Boring Start Date: 10/12/2022 Northing (State Plane): 270842.06
Boring End Date: 10/13/2022 Easting (State Pane): 2728342.61
Nearest Ground Elevation at Time of Drilling: 632.79 ft-msl
∇ = Uppermost Saturated Zone at Time of Drilling: ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C													
45														
	C		- low angle fracture at 47.5'.		>4.5									
50														
	C				>4.5									
55														
	C		- high angle slickenslide at 56.5'.		>4.5									
			- with increased organics from 59.0' to 60.0'.											
60			- becomes heavily fractured from 60.5' to 61.0'.											
	C		- becomes heavily fractured with slickenslides from 63.0' to 64.0'.											
65				567.8										567.79
			Total Borehole Depth = 65.0'.											
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-19

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/20/2022 Northing (State Plane): 270287.87
Boring End Date: 9/21/2022 Easting (State Pane): 2727709.87
Nearest Ground Elevation at Time of Drilling: 620.26 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 592.1 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	S		SAND, silty, dry, loose, non-plastic when moistened, laminated to thinly bedded, light reddish brown, with iron staining, rootlets.	615.3										
5	S		CLAY, silty, sandy, moist, low to moderate plasticity, very thinly bedded, brown, with iron staining.											
10	S		CL				23	13.0		36	17	19		
	S			605.3										
15	U		SHALE, clayey, silty, trace sand in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated to very thinly bedded, dark gray and black, fossiliferous, fractured in intervals, with trace organics, weathered.		>4.5									
	C				>4.5									
			ML			Kv	72.7	4.5	145.0	27	22	5	Kv $5.4x10^{-9}$	
20			- 6" shaley coal seam, dry, black, at 20.0'.	599.8	>4.5									
	C		- vertical fracture from 22.5' to 23.0'.		>4.5									
25			ML			Kv	71.8	5.5 - 6.0	145.2	27	23	4	Kv $7.8x10^{-8}$	
	C		- becomes wet in fractured intervals from 28.0' to 30.0'.		>4.5									▽
30				590.3										
	C		SHALE, silty, dry, hard, non-plastic when moistened, laminated to thinly bedded, fractured in intervals.		>4.5									
35			- becomes heavily fractured 36.0' to 40.0'.											
	C				>4.5									

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING NO. WCG-19

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/20/2022 Northing (State Plane): 270287.87
Boring End Date: 9/21/2022 Easting (State Pane): 2727709.87
Nearest Ground Elevation at Time of Drilling: 620.26 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 592.1 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole plugged following drilling completion. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Borehole Plugging Detail
	C		- vertical fractures at 43.0' and 44.0'.		>4.5									
45														
	C		- high angle fracture at 46.0'.											
			- high angle fractures from 47.5' to 48.0'.											
50														
	C		- high angle fracture at 52.5'.											
				566.3										566.26
55			Total Borehole Depth = 54.0'.											
60														
65														
70														
75														

MUSKOGEE - 2022 BORING LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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WCG
GEOPHYSICAL LOGS
(2022)

ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 934 1437

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well PWCG1
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well PWCG1
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Permanent Datum	GL	Elevation	Elevation
Log Measured From	GL		K.B.
Drilling Measured From	TOC		D.F.
			G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	43		
Depth Logger	40		
Bottom Logged Interval	38		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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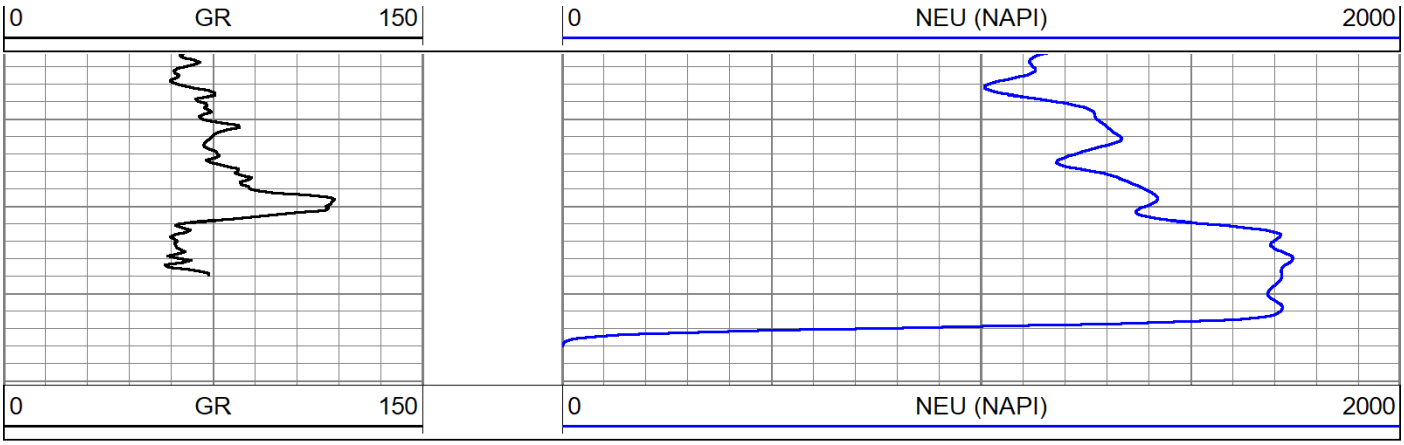
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Database File	pwcg1.db
Dataset Pathname	pass1
Presentation Format	gr-n-ccl
Dataset Creation	Thu Oct 13 08:09:21 2022
Charted by	Depth in Feet scaled 1:240


0
GR
150
0
NEU (NAPI)
2000
0
GR
150
0
NEU (NAPI)
2000

ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 834 1417

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well PWCG2
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well PWCG2
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Elevation

Permanent Datum	GL	Elevation	K.B.
Log Measured From	GL		D.F.
Drilling Measured From	TOC		G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	50		
Depth Logger	48		
Bottom Logged Interval	46		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

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Dataset Pathname	pass1
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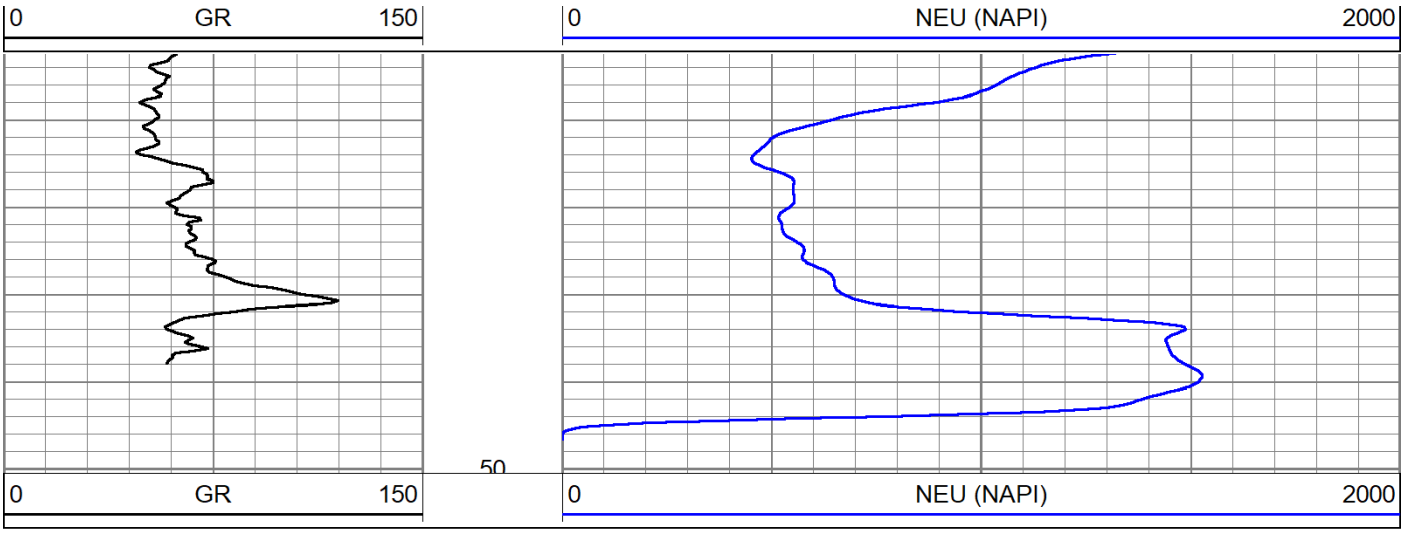
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ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 834 1417

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well PWCG3
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well PWCG3
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Elevation

Permanent Datum	GL	Elevation	K.B.
Log Measured From	GL		D.F.
Drilling Measured From	TOC		G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	44		
Depth Logger	40		
Bottom Logged Interval	38		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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Comments

Database File	pwcg3.db
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Presentation Format	gr-n-ccl
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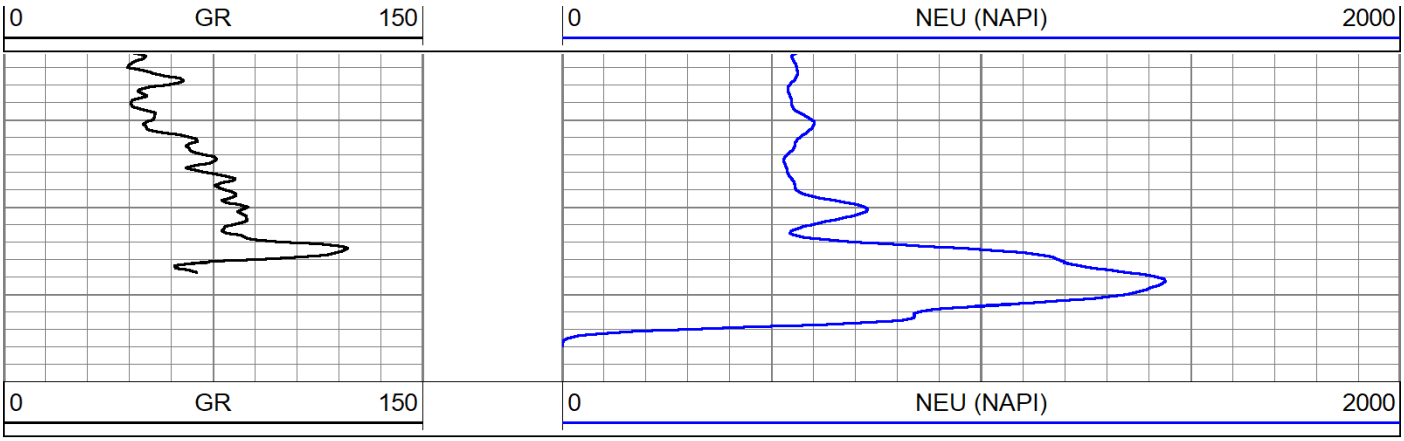
Charted by	Depth in Feet scaled 1:240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ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 834 1417

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well PWCG4
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well PWCG4
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Elevation

Permanent Datum	GL	Elevation	K.B.
Log Measured From	GL		D.F.
Drilling Measured From	TOC		G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	43		
Depth Logger	44		
Bottom Logged Interval	42		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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Comments

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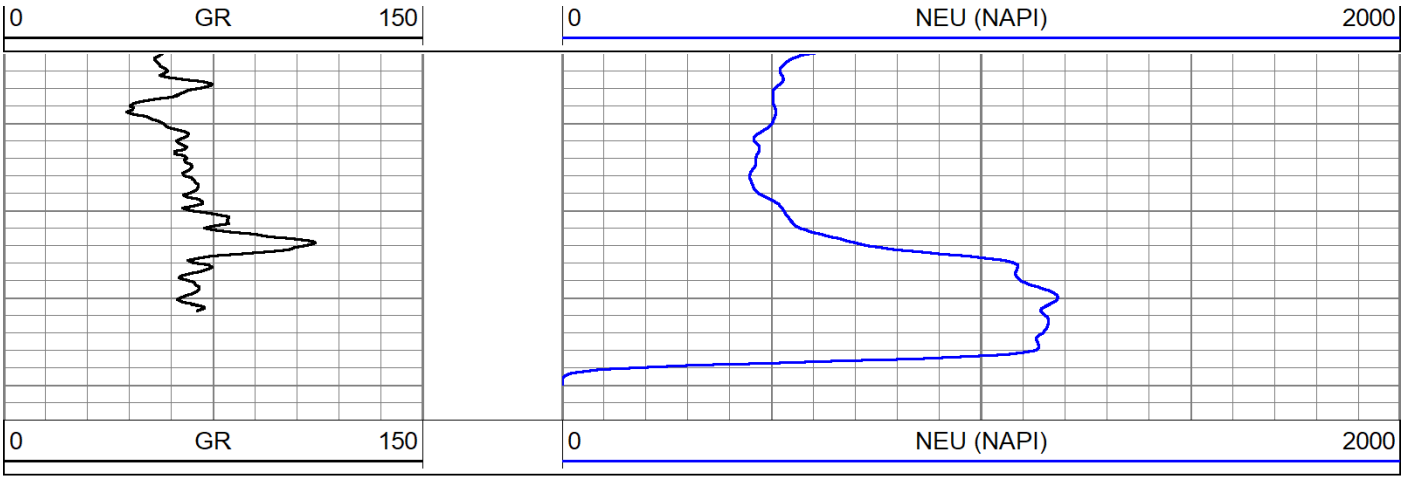
Charted by	Depth in Feet scaled 1:240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ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 834 1417

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well PWCG5
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well PWCG5
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Elevation

Permanent Datum	GL	Elevation	K.B.
Log Measured From	GL		D.F.
Drilling Measured From	TOC		G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	48		
Depth Logger	45		
Bottom Logged Interval	43		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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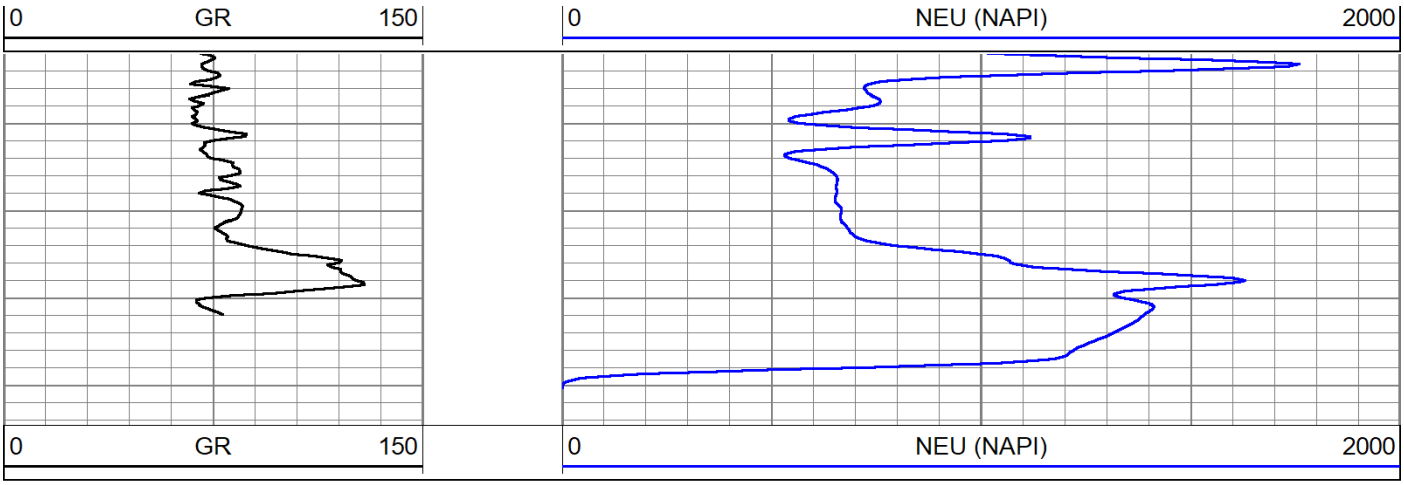
Comments

Database File	pwcg5.db
Dataset Pathname	pass1
Presentation Format	gr-n-ccl
Dataset Creation	Thu Oct 13 09:13:08 2022
Charted by	Depth in Feet scaled 1:240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ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 934 1437

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well PWCG6
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well PWCG6
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Elevation

Permanent Datum	GL	Elevation
Log Measured From	GL	K.B.
Drilling Measured From	TOC	D.F.
		G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	20		
Depth Logger	17		
Bottom Logged Interval	15		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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Comments

Database File	pwcg6.db
Dataset Pathname	pass1
Presentation Format	gr-n-ccl
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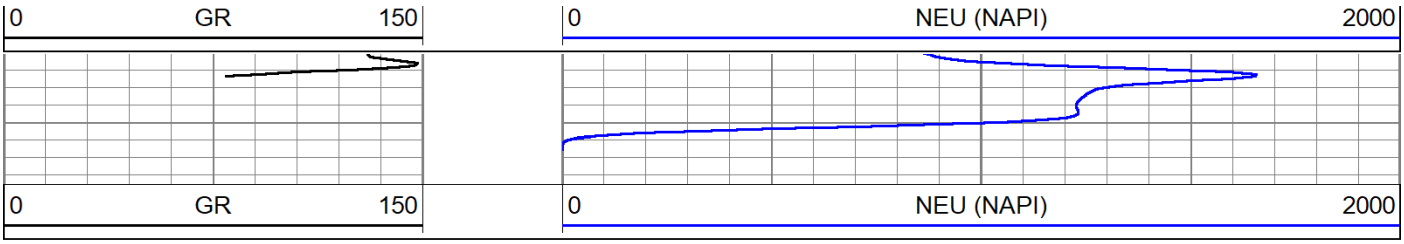
Charted by	Depth in Feet scaled 1:240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ENVIRO-LOG

Geophysical Well Logging
Casing Inspection
Downhole Video

405 834 1417

GAMMA/NEUTRON

Company WEAVER CONSULTANTS GROUP
Well WCG15
Field
County
State OKLAHOMA
Country MUSKOGEE

Company WEAVER CONSULTANTS GROUP
Well WCG15
Field
County
State OKLAHOMA
Country MUSKOGEE

Location: API # :

SEC TWP RGE

Other Services

Elevation

Permanent Datum	GL	Elevation	K.B.
Log Measured From	GL		D.F.
Drilling Measured From	TOC		G.L.

Date	10/13/2022		
Run Number	1		
Depth Driller	110		
Depth Logger	100		
Bottom Logged Interval	98		
Top Log Interval	0		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	105		
Location	PIEDMONT		
Recorded By	M. MAYFIELD		
Witnessed By	Mr. EVANS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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Comments

Database File	wcg15.db
Dataset Pathname	pass1
Presentation Format	gr-n-ccl
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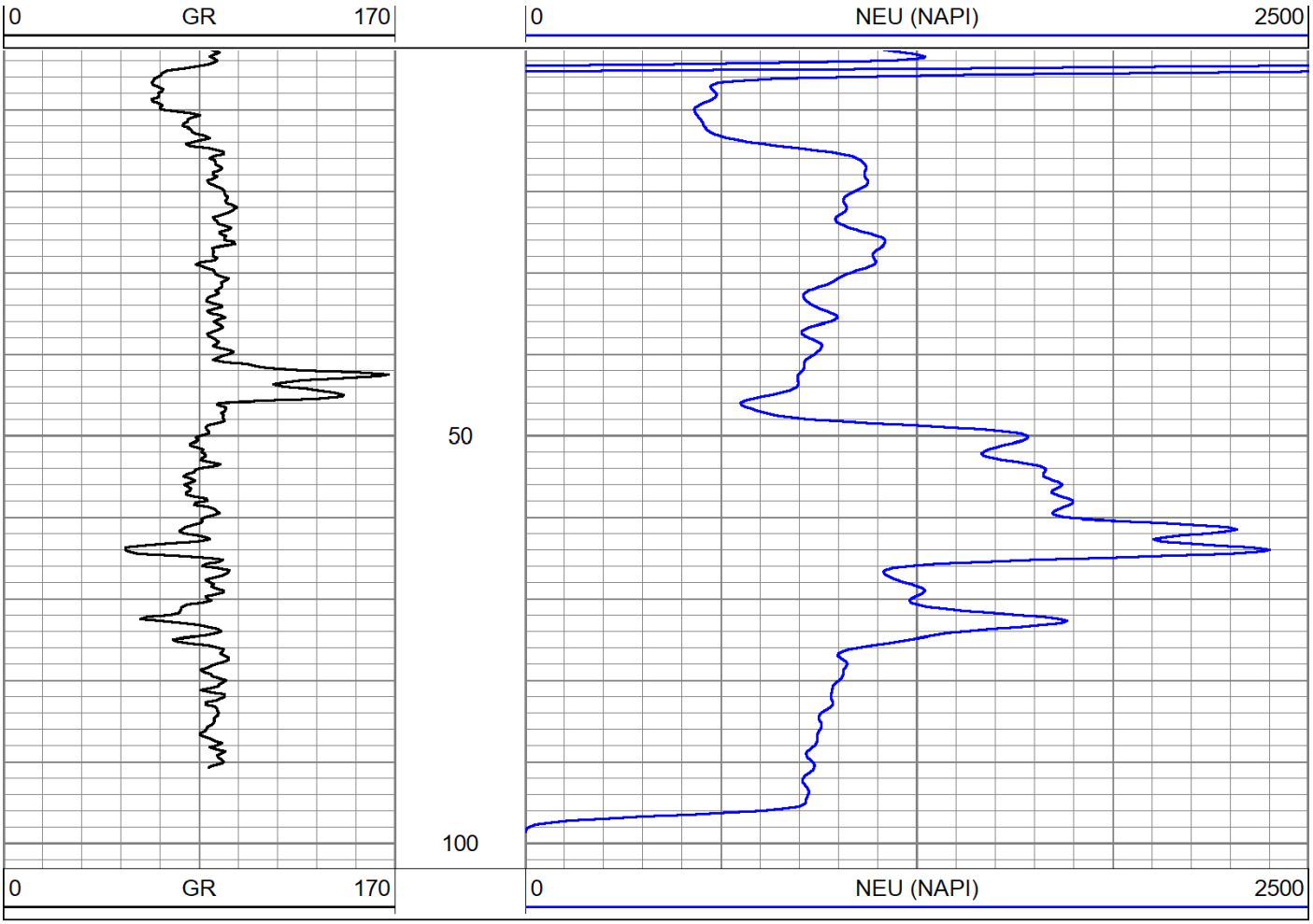
Charted by	Depth in Feet scaled 1:240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NEU (NAPI)
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NEU (NAPI)
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ATTACHMENT E-3

WATER WELL REPORTS

Includes pages E-3-1 through E-3-12

MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North

	x						

«——— One Mile ———»
Each square is 10-acres

WELL ID NUMBER: 71669

Quarters NE-NW-NW **Section** 24 **Township** 14N **Range** 17EI

Latitude 35.681398 Longitude -95.461152

Date collected(latitude and longitude), if different from date the well was drilled: 09/04/2002

Method latitude and longitude was collected: Interpolation from PLSS

County Muskogee Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner Jim Haley Phone _____

Address/City/State _____ Zip ____

Finding Location 1

Well Name ___ Water Rights #: ___

TYPE OF WORK: Groundwater Well **USE OF WELL:** Domestic

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 07/16/2002

Number of wells or borings represented by this log 1

* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 8 inches to a depth of 70 ft.

CASING INFORMATION ***Note:** If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: __ Surface Pipe Diameter ___ inches Surface Pipe From ___ ft to ___ ft

SCREEN OR PERFORATION INFORMATION

FILTER PACK INFORMATION

Filter Pack Material: __

WELL SEAL INFORMATION

Type of Surface Seal _n/a_

Type of Annular Seal _n/a_

Filter Pack Seal Material _n/a_

Surface Seal Interval: From _n/a_ ft to _n/a_ ft

Annular Seal Interval: From _n/a_ ft to _n/a_ ft

Filter Pack Seal Interval: From _n/a_ ft to _n/a_ ft

TYPE OF COMPLETION: __

HYDROLOGIC INFORMATION

Depth to water at time of drilling ___ ft

Estimated yield of well _10_ gpm

First water zone _54_ ft

LITHOLOGY DESCRIPTION

MATERIAL	ENCOUNTERED		SATURATED
	FROM (ft.)	TO (ft.)	
no lithological description obtained			

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTION

Has this well been disinfected after completion of work? _n/a_

Are than any potential sources of pollution or wastewater lagoons within 300 ft. of the well? _n/a_

Distance of Well is _n/a_ from possible source. Type of possible source: _n/a_

PLUGGING INFORMATION

Date Well or Boring Was Plugged _n/a_

Total Depth of well being plugged __ ft.

Was the well contaminated or was it plugged as though it was contaminated? _n/a_

If the well or boring was plugged as if it was contaminated, was the casing removed or perforated? _n/a_

Was the grout tremied? _n/a_

Backfilled with _n/a_

Backfilled from ___ ft. to ___ ft.

Grouted with _n/a_

Grouted from ___ ft. to ___ ft.

Grouted with _Cement_

Grouted from ___ ft. to ___ ft.

Firm Name _J & J Drilling_

D/PC No. _DPC-0897_

Operator Name ___

OP No. ___

Date _n/a_

Comments: n/a

MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North

				x			

«——— One Mile ———»
Each square is 10-acres

WELL ID NUMBER: 36841

Quarters NW-NW-SE **Section** 10 **Township** 14N **Range** 18EI

Latitude 35.70329 Longitude -95.38354

Date collected(latitude and longitude), if different from date the well was drilled: 04/28/1998

Method latitude and longitude was collected: Interpolation from PLSS

County Muskogee Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner JACK ASHWOOD Phone (918) 682-7975

Address/City/State 1440 W SMITH FERRY ROAD MUSKOGEE OK Zip 74401

Finding Location ___

Well Name ___ Water Rights #: ___

TYPE OF WORK: Groundwater Well **USE OF WELL:** Domestic

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 09/23/1996

Number of wells or borings represented by this log 1

* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 9.625 inches to a depth of 40 ft.

Hole Diameter 6.125 inches to a depth of 175 ft.

CASING INFORMATION ***Note:** If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: PVC / Plastic Surface Pipe Diameter 6.625 inches Surface Pipe From 0 ft to 40 ft

SCREEN OR PERFORATION INFORMATION

FILTER PACK INFORMATION

Filter Pack Material: __

WELL SEAL INFORMATION

Type of Surface Seal _Cement Grout_ Surface Seal Interval: From _0_ ft to _40_ ft

Type of Annular Seal _n/a_ Annular Seal Interval: From _n/a_ ft to _n/a_ ft

Filter Pack Seal Material _n/a_ Filter Pack Seal Interval: From _n/a_ ft to _n/a_ ft

TYPE OF COMPLETION: __

HYDROLOGIC INFORMATION

Depth to water at time of drilling ___ ft Estimated yield of well _.5_ gpm First water zone _113_ ft

LITHOLOGY DESCRIPTION

MATERIAL	ENCOUNTERED FROM (ft.)	ENCOUNTERED TO (ft.)	SATURATED
OVERBURDEN	0	3	N
CLAY	3	8	N
SHALE	8	55	N
SAND & SHALE	55	101	N
LIME	101	110	N
SAND SHALE	110	120	Y
GREY SHALE	120	140	N
SAND SHALE	140	150	N
BLACK SHALE	150	160	N
SAND SHALE	160	175	N

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTION

Has this well been disinfected after completion of work? _n/a_

Are than any potential sources of pollution or wastewater lagoons within 300 ft. of the well? _n/a_

Distance of Well is _n/a_ from possible source. Type of possible source: _n/a_

PLUGGING INFORMATION

Date Well or Boring Was Plugged _n/a_ Total Depth of well being plugged __ ft.

Was the well contaminated or was it plugged as though it was contaminated? _n/a_

If the well or boring was plugged as if it was contaminated, was the casing removed or perforated? _n/a_

Was the grout tremied? _n/a_

Backfilled with _n/a_ Backfilled from ___ ft. to ___ ft.

Grouted with _n/a_ Grouted from ___ ft. to ___ ft.

Grouted with _Cement_ Grouted from ___ ft. to ___ ft.

Firm Name _Venture Drilling, Inc._ D/PC No. _DPC-0215_

Operator Name _RICKI DISMANG_ OP No. _OP-0928_

Date _10/18/1996_

Comments: No house.

MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North

						x	

«——— One Mile ———»
Each square is 10-acres

WELL ID NUMBER: 23573

Quarters SW-SE-SE **Section** 11 **Township** 14N **Range** 17EI

Latitude 35.697732 Longitude -95.467865

Date collected(latitude and longitude), if different from date the well was drilled: 01/08/1998

Method latitude and longitude was collected: Interpolation from PLSS

County Muskogee Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner B. E. Davis Phone _____

Address/City/State Tahlequah OK Zip _____

Finding Location ___

Well Name ___ Water Rights #: ___

TYPE OF WORK: Groundwater Well **USE OF WELL:** Domestic

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 07/23/1986

Number of wells or borings represented by this log 1

* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 6 inches to a depth of 102 ft.

CASING INFORMATION ***Note:** If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: __ Surface Pipe Diameter ___ inches Surface Pipe From ___ ft to ___ ft

1) Well Casing Material PVC Casing Diameter 6 inches Casing From __ ft to 18.5 ft

SCREEN OR PERFORATION INFORMATION

FILTER PACK INFORMATION

Filter Pack Material: __

WELL SEAL INFORMATION

Type of Surface Seal _Cement Grout_

Type of Annular Seal _n/a_

Filter Pack Seal Material _n/a_

Surface Seal Interval: From _n/a_ ft to _18_ ft

Annular Seal Interval: From _n/a_ ft to _n/a_ ft

Filter Pack Seal Interval: From _n/a_ ft to _n/a_ ft

TYPE OF COMPLETION: __

HYDROLOGIC INFORMATION

Depth to water at time of drilling ___ ft

Estimated yield of well ___ gpm

First water zone ___ft

LITHOLOGY DESCRIPTION

MATERIAL	ENCOUNTERED FROM (ft.)	ENCOUNTERED TO (ft.)	SATURATED
overburden	0	3	N
sandstone	3	42	N
shale	42	102	N

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTION

Has this well been disinfected after completion of work? _n/a_

Are than any potential sources of pollution or wastewater lagoons within 300 ft. of the well? _n/a_

Distance of Well is _n/a_ from possible source. Type of possible source: _n/a_

PLUGGING INFORMATION

Date Well or Boring Was Plugged _n/a_

Total Depth of well being plugged __ ft.

Was the well contaminated or was it plugged as though it was contaminated? _n/a_

If the well or boring was plugged as if it was contaminated, was the casing removed or perforated? _n/a_

Was the grout tremied? _n/a_

Backfilled with _n/a_

Backfilled from ___ ft. to ___ ft.

Grouted with _n/a_

Grouted from ___ ft. to ___ ft.

Grouted with _Cement_

Grouted from ___ ft. to ___ ft.

Firm Name _VENTURE DRLG_

D/PC No. ___

Operator Name ___

OP No. ___

Date _n/a_

Comments: n/a

MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North

						x	

«——— One Mile ———»
Each square is 10-acres

WELL ID NUMBER: 185470

Quarters SW-SE-SE **Section** 24 **Township** 15N **Range** 17EI

Latitude 35.75526 Longitude -95.4506

Date collected(latitude and longitude), if different from date the well was drilled: 03/05/2018

Method latitude and longitude was collected: GPS - uncorrected data

County Muskogee Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner Donald Brooks Phone ____

Address/City/State 2405 N. 32 st. Lot #13 Muskogee OK Zip 74401

Finding Location ___

Well Name ___ Water Rights #: ___

TYPE OF WORK: Groundwater Well **USE OF WELL:** Domestic

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 03/05/2018

Number of wells or borings represented by this log 1

* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 10 inches to a depth of 41 ft.

Hole Diameter 6 inches to a depth of 180 ft.

CASING INFORMATION ***Note:** If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: Steel Surface Pipe Diameter 6.625 inches Surface Pipe From 0 ft to 41 ft

SCREEN OR PERFORATION INFORMATION

FILTER PACK INFORMATION

Filter Pack Material: __

WELL SEAL INFORMATION

Type of Surface Seal _Cement Grout_

Type of Annular Seal _n/a_

Filter Pack Seal Material _n/a_

Surface Seal Interval: From _0_ ft to _41_ ft

Annular Seal Interval: From _n/a_ ft to _n/a_ ft

Filter Pack Seal Interval: From _n/a_ ft to _n/a_ ft

TYPE OF COMPLETION: __

HYDROLOGIC INFORMATION

Depth to water at time of drilling _60_ ft

Estimated yield of well _10_ gpm

First water zone _60_ ft

LITHOLOGY DESCRIPTION

MATERIAL	ENCOUNTERED FROM (ft.)	ENCOUNTERED TO (ft.)	SATURATED
Sand & Clay	0	25	N
Grey Shale	25	55	N
White Limestone	55	60	Y
Black Shale	60	65	N
Grey Shale	65	155	N
White Sandy Lime	155	170	N
Limestone	170	180	Y

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTION

Has this well been disinfected after completion of work? _Yes_

Are than any potential sources of pollution or wastewater lagoons within 300 ft. of the well? _n/a_

Distance of Well is _n/a_ from possible source. Type of possible source: _n/a_

PLUGGING INFORMATION

Date Well or Boring Was Plugged _n/a_

Total Depth of well being plugged __ ft.

Was the well contaminated or was it plugged as though it was contaminated? _n/a_

If the well or boring was plugged as if it was contaminated, was the casing removed or perforated? _n/a_

Was the grout tremied? _n/a_

Backfilled with _n/a_

Backfilled from ___ ft. to ___ ft.

Grouted with _n/a_

Grouted from __ ft. to __ ft.

Grouted with _Cement_

Grouted from __ ft. to __ ft.

Firm Name _TWO EIGHT DRILLING, INC_

D/PC No. _DPC-0215_

Operator Name _AARRON RECTOR_

OP No. _OP-1665_

Date _03/07/2018_

Comments: n/a

MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North

				x			

«——— One Mile ———»
Each square is 10-acres

WELL ID NUMBER: 168576

Quarters SW-SW-NE **Section** 24 **Township** 15N **Range** 17EI

Latitude 35.7624833 Longitude -95.4540833

Date collected(latitude and longitude), if different from date the well was drilled: 07/01/2015

Method latitude and longitude was collected: Mathematical conversion program

County Muskogee Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner Anthis Phone (918) 687-1336

Address/City/State muskogee OK Zip 74401

Finding Location west on hwy. 16 to mocking bird lane turn north 3/4 mi drive on right.

Well Name Anthis Water Rights #: ___

TYPE OF WORK: Groundwater Well **USE OF WELL:** Domestic

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 07/01/2015

Number of wells or borings represented by this log 1

* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 10 inches to a depth of 11 ft.

Hole Diameter 6 inches to a depth of 140 ft.

CASING INFORMATION ***Note:** If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: PVC / Plastic Surface Pipe Diameter 6 inches Surface Pipe From 0 ft to 11 ft

SCREEN OR PERFORATION INFORMATION

FILTER PACK INFORMATION

Filter Pack Material: __

WELL SEAL INFORMATION

Type of Surface Seal _Cement Grout_ Surface Seal Interval: From _0_ ft to _9_ ft

Type of Annular Seal _Bentonite Granules/Chips_ Annular Seal Interval: From _9_ ft to _11_ ft

Filter Pack Seal Material _n/a_ Filter Pack Seal Interval: From _n/a_ ft to _n/a_ ft

TYPE OF COMPLETION: _Above Ground_

HYDROLOGIC INFORMATION

Depth to water at time of drilling _14_ ft Estimated yield of well _.5_ gpm First water zone _75_ ft

LITHOLOGY DESCRIPTION

MATERIAL	ENCOUNTERED FROM (ft.)	ENCOUNTERED TO (ft.)	SATURATED
sandy clay and rock	0	3.6	N
sandstone tan	3.6	10.9	N
grey sandstone	10.9	41	N
grey sandstone shaley	41	71	N
grey shale w/ sandstone bands	71	100	Y
grey shale	100	140	N

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTION

Has this well been disinfected after completion of work? _Yes_

Are than any potential sources of pollution or wastewater lagoons within 300 ft. of the well? _Y_

Distance of Well is _51 - 75 feet_ from possible source. Type of possible source: _House_

PLUGGING INFORMATION

Date Well or Boring Was Plugged _n/a_ Total Depth of well being plugged __ ft.

Was the well contaminated or was it plugged as though it was contaminated? _n/a_

If the well or boring was plugged as if it was contaminated, was the casing removed or perforated? _n/a_

Was the grout tremied? _n/a_

Backfilled with _n/a_ Backfilled from __ ft. to __ ft.

Grouted with _n/a_ Grouted from __ ft. to __ ft.

Grouted with _Cement_ Grouted from __ ft. to __ ft.

Firm Name _BURTON DRILLING COMPANY_ D/PC No. _DPC-0029_

Operator Name _DASH BURTON_ OP No. _OP-1421_

Date _07/01/2015_

Comments: Owner wanting well for hand pump. Back up water source. Well producing approx .5 gpm TDS of water after completion 164ppm

MULTI-PURPOSE WELL COMPLETION & PLUGGING REPORT

Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
Telephone (405) 530-8800

Legal Location

North

	x						

«——— One Mile ———»
Each square is 10-acres

WELL ID NUMBER: 155549

Quarters NE-NW-NW **Section** 30 **Township** 15N **Range** 18EI

Latitude 35.75405 Longitude -95.4442833

Date collected(latitude and longitude), if different from date the well was drilled: 11/27/2012
Method latitude and longitude was collected: Derived from GIS

County Muskogee Variance Request No. (if applicable) n/a

WELL OWNER - NAME AND ADDRESS

Well Owner Unknown Phone _____

Address/City/State _____ OK Zip _____

Finding Location ___

Well Name ___ Water Rights #: ___

TYPE OF WORK: Groundwater Well **USE OF WELL:** Domestic

NEW WELL CONSTRUCTION DATA

Date Well or Boring Was Completed 11/27/2012

Number of wells or borings represented by this log 1
* (Borings are within the same 10 acre-tract and with the same general depths and lithologies)

Hole Diameter 8.5 inches to a depth of 40 ft.

Hole Diameter 5 inches to a depth of 75 ft.

CASING INFORMATION ***Note:** If surface casing is used please indicate that on the appropriate well casing information line.

Surface Pipe Material: PVC / Plastic Surface Pipe Diameter 5 inches Surface Pipe From 0 ft to 40 ft

1) Well Casing Material PVC Casing Diameter 5 inches Casing From 0 ft to 40 ft

SCREEN OR PERFORATION INFORMATION

FILTER PACK INFORMATION

Filter Pack Material: __

WELL SEAL INFORMATION

Type of Surface Seal _Cement Grout_

Type of Annular Seal _Bentonite Granules/Chips_

Filter Pack Seal Material _n/a_

Surface Seal Interval: From _0_ ft to _20_ ft

Annular Seal Interval: From _20_ ft to _40_ ft

Filter Pack Seal Interval: From _n/a_ ft to _n/a_ ft

TYPE OF COMPLETION: __

HYDROLOGIC INFORMATION

Depth to water at time of drilling _40_ ft

Estimated yield of well _15_ gpm

First water zone _70_ ft

LITHOLOGY DESCRIPTION

MATERIAL	ENCOUNTERED FROM (ft.)	ENCOUNTERED TO (ft.)	SATURATED
topsoil	0	5	N
clay	5	25	N
shale	25	40	N
sandstone/shale	40	60	Y
sandstone	60	75	N

WELL LOCATION TO POTENTIAL SOURCES OF POLLUTION

Has this well been disinfected after completion of work? _Yes_

Are than any potential sources of pollution or wastewater lagoons within 300 ft. of the well? _n/a_

Distance of Well is _n/a_ from possible source. Type of possible source: _n/a_

PLUGGING INFORMATION

Date Well or Boring Was Plugged _n/a_

Total Depth of well being plugged __ ft.

Was the well contaminated or was it plugged as though it was contaminated? _n/a_

If the well or boring was plugged as if it was contaminated, was the casing removed or perforated? _n/a_

Was the grout tremied? _n/a_

Backfilled with _n/a_

Backfilled from __ ft. to __ ft.

Grouted with _n/a_

Grouted from __ ft. to __ ft.

Grouted with _Cement_

Grouted from __ ft. to __ ft.

Firm Name _BURTON DRILLING COMPANY_

D/PC No. _DPC-0029_

Operator Name _DASH BURTON_

OP No. _OP-1421_

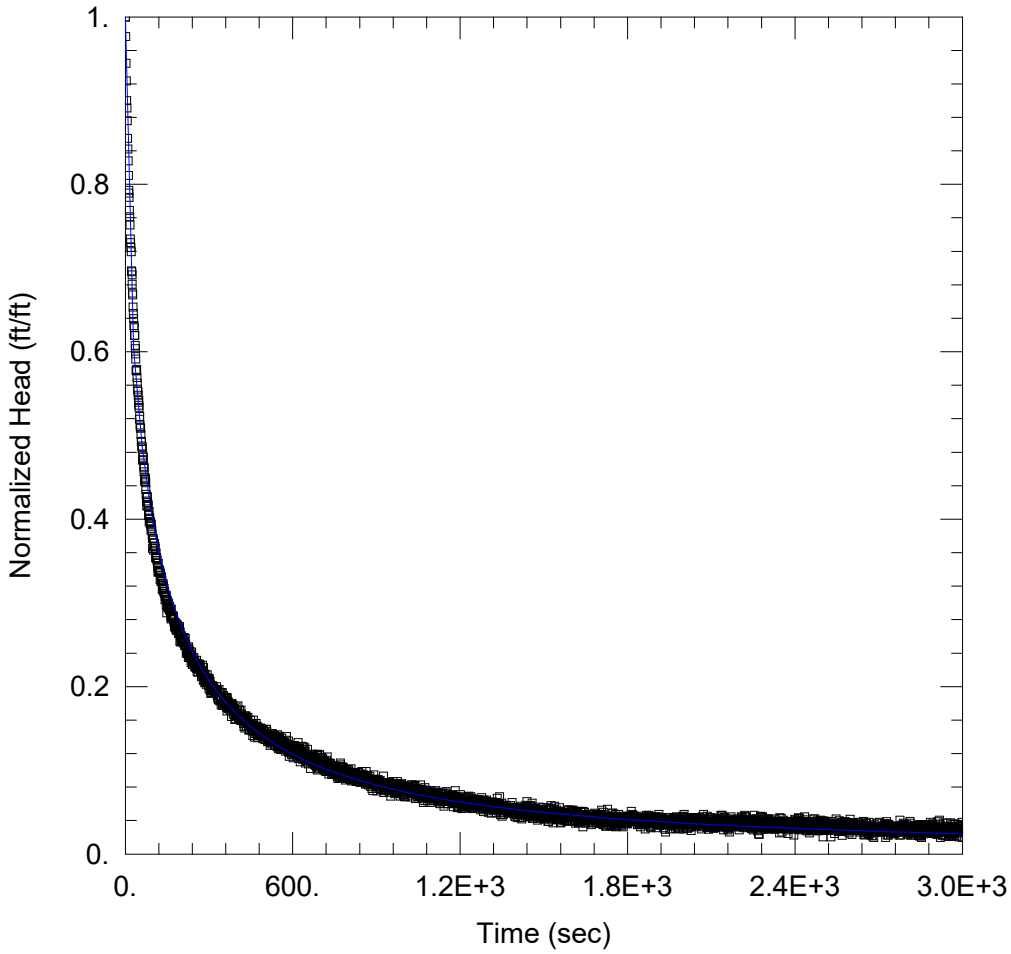
Date _12/10/2012_

Comments: n/a

ATTACHMENT E-4

AQTESOLV® HYDRAULIC CONDUCTIVITY COMPUTATIONS

Includes pages E-4-1 through E-4-374



WELL TEST ANALYSIS

Data Set: C:\...\PWCG-1 - Graph.aqt
Date: 04/27/23 Time: 17:58:12

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Well: PWCG-1
Test Date: 11/17/22

AQUIFER DATA

Saturated Thickness: 6. ft

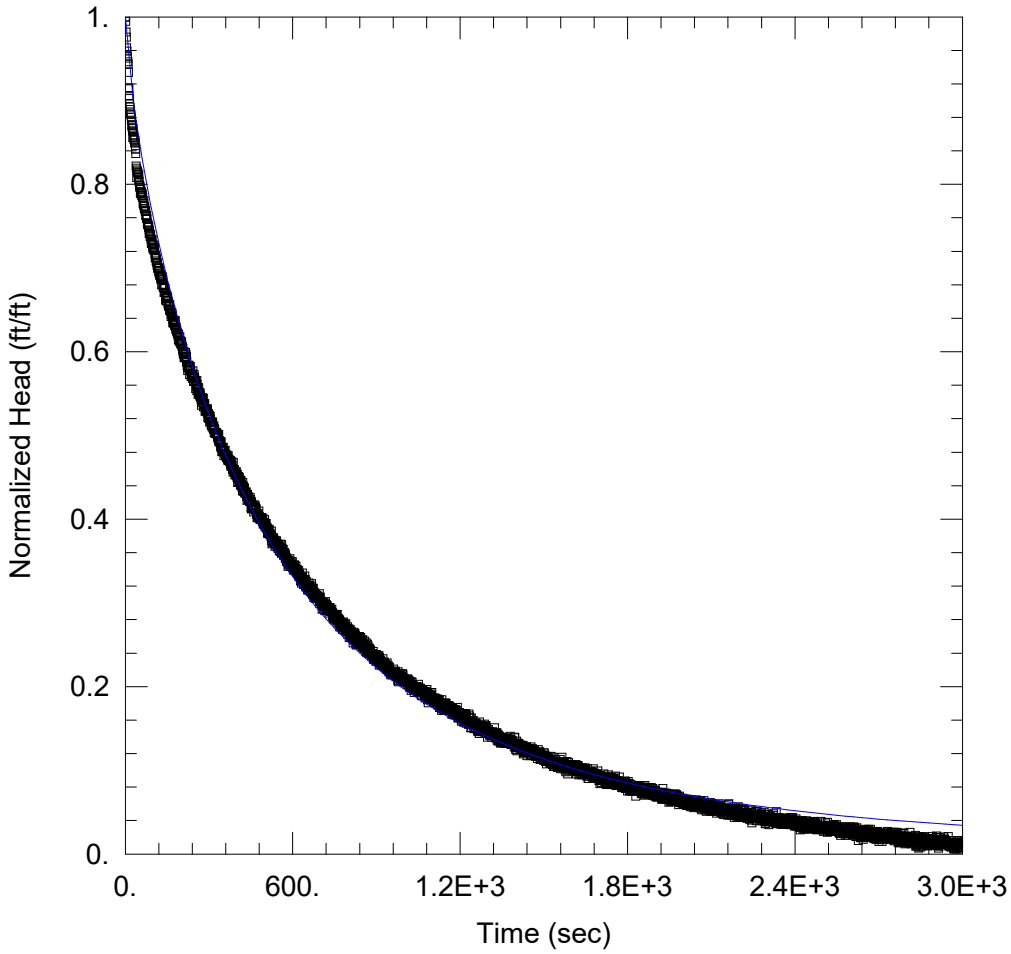
WELL DATA (PWCG-1)

Initial Displacement: 1.662 ft
Total Well Penetration Depth: 33.4 ft
Casing Radius: 0.083 ft
Static Water Column Height: 35.1 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model

Kr = 0.0001434 cm/sec
Kz/Kr = 1.
Ss = 0.08898 ft^{-1}



WELL TEST ANALYSIS

Data Set: C:\...\PWCG-2.aqt
Date: 04/27/23 Time: 17:59:09

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Well: PWCG-2
Test Date: 11/17/22

AQUIFER DATA

Saturated Thickness: 6. ft

WELL DATA (PWCG-2)

Initial Displacement: 1.662 ft
Total Well Penetration Depth: 36.3 ft
Casing Radius: 0.083 ft

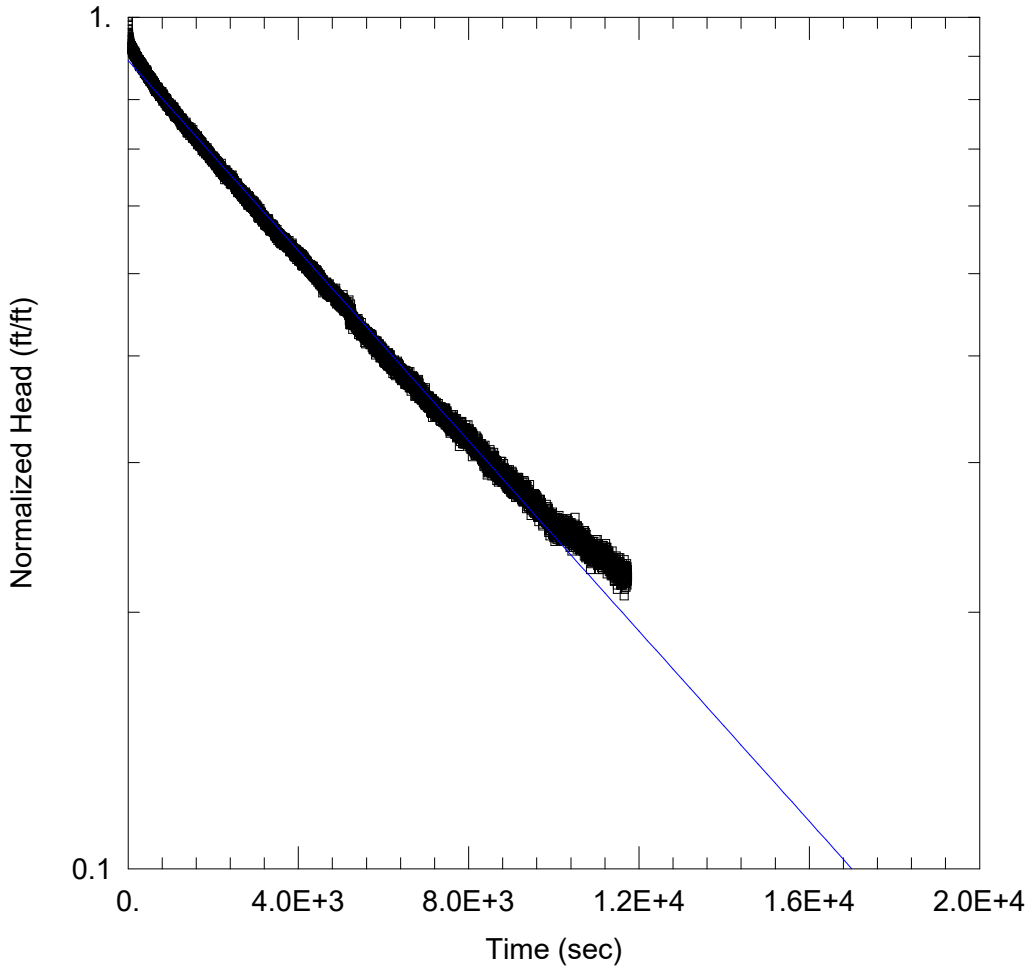
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model

Kr = 0.0001765 cm/sec
Kz/Kr = 1.

Ss = 0.001544 ft^{-1}



WELL TEST ANALYSIS

Data Set: C:\...\PWCG-3.aqt
Date: 04/27/23 Time: 18:01:14

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Well: PWCG-3
Test Date: 11/17/22

AQUIFER DATA

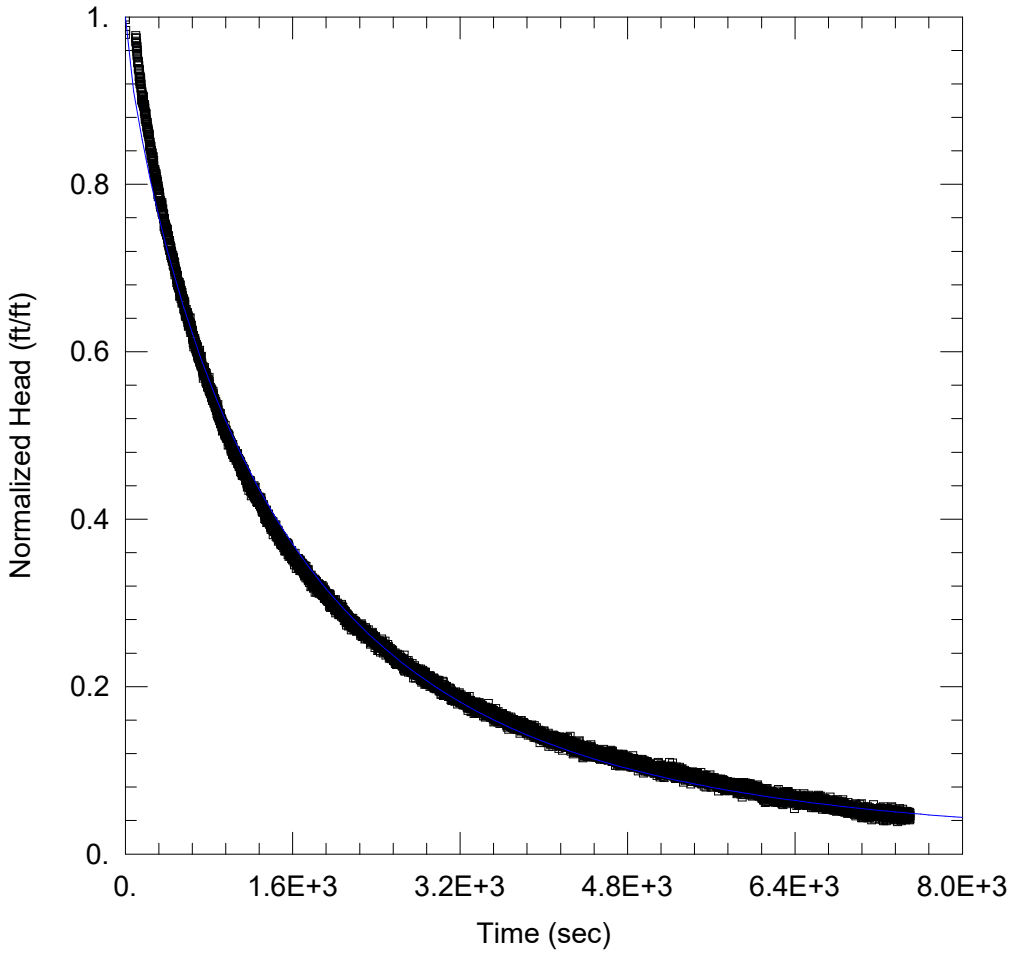
Saturated Thickness: 3. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PWCG-3)

Initial Displacement: 1.635 ft
Total Well Penetration Depth: 32.7 ft
Casing Radius: 0.083 ft
Static Water Column Height: 34.4 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.844E-5 cm/sec
y0 = 1.454 ft



WELL TEST ANALYSIS

Data Set: C:\...\PWCG-4.aqt
Date: 04/27/23 Time: 17:57:18

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Well: PWCG-4
Test Date: 11/17/22

AQUIFER DATA

Saturated Thickness: 4. ft

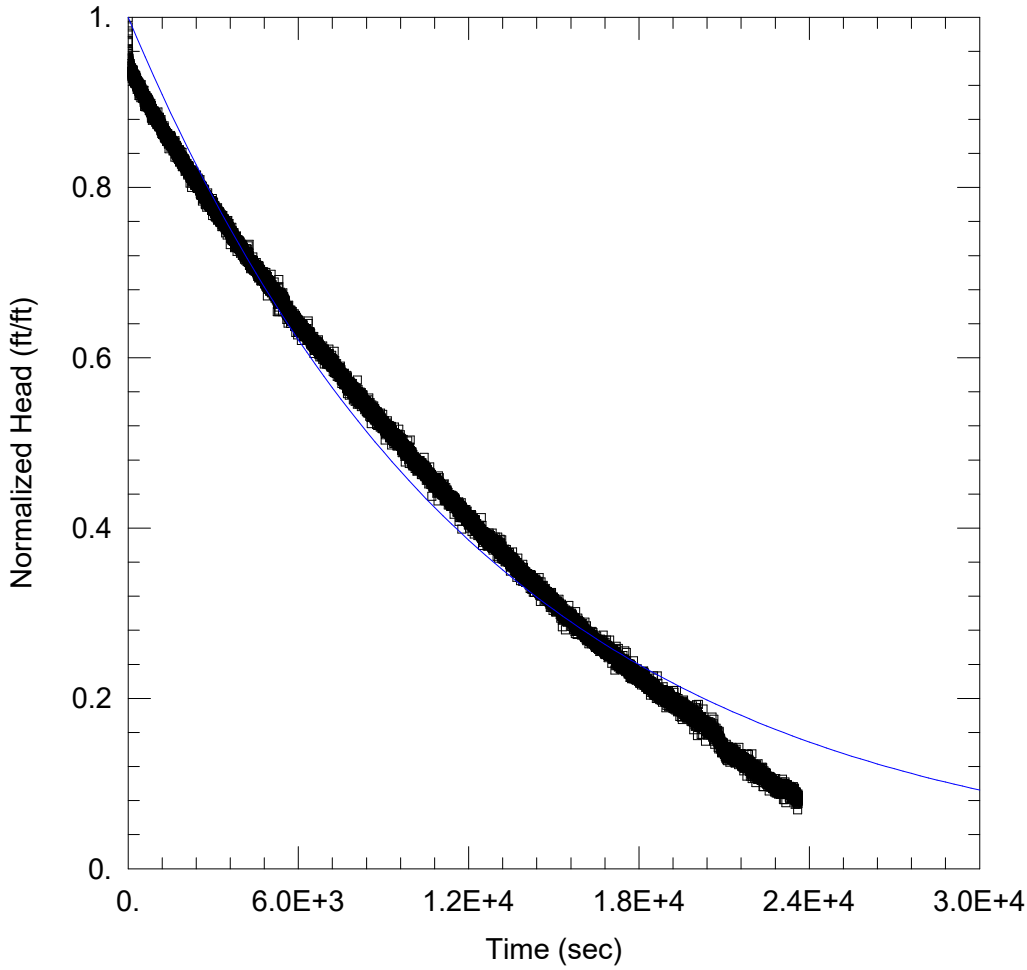
WELL DATA (PWCG-4)

Initial Displacement: 1.662 ft
Total Well Penetration Depth: 37. ft
Casing Radius: 0.083 ft
Static Water Column Height: 38.6 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model

Kr = 7.511E-5 cm/sec
Kz/Kr = 1.
Ss = 0.001329 ft^{-1}



WELL TEST ANALYSIS

Data Set: C:\...\PWCG-5.aqt
Date: 04/27/23 Time: 18:34:37

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Well: PWCG-5
Test Date: 11/17/22

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 1.

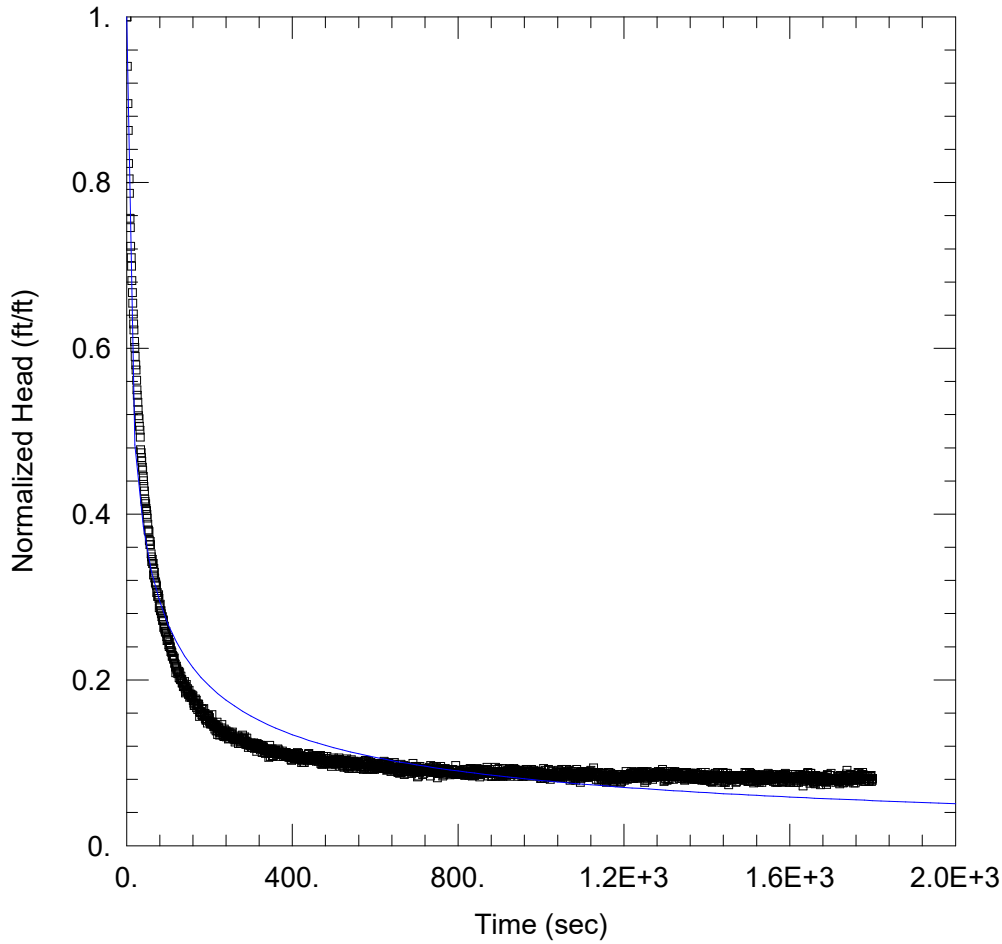
WELL DATA (PWCG-5)

Initial Displacement: 1.662 ft
Total Well Penetration Depth: 33.75 ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.4 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined Solution Method: Butler

K = 8.829E-6 cm/sec Le = 0.1 ft



WELL TEST ANALYSIS

Data Set: C:\...\PWCG-6.aqt
Date: 04/27/23 Time: 18:55:34

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Well: PWCG-6
Test Date: 11/17/22

AQUIFER DATA

Saturated Thickness: 3. ft

WELL DATA (PWCG-6)

Initial Displacement: 1.662 ft
Total Well Penetration Depth: 15.3 ft
Casing Radius: 0.083 ft
Well Skin Radius: 1. ft
Static Water Column Height: 12. ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model w/skin

Kr = 0.002812 cm/sec
Kz/Kr = 1.
Ss' = 3.963 ft^{-1}
Ss = 1000. ft^{-1}
Kr' = 9.963E-5 cm/sec
Kz/Kr' = 1.0E-5

Data Set: C:\Users\aevans\Desktop\gINT - Remote\Muskogee LF\Slug Test Reports\PWCG-1\PWCG-1 - Graph.aq
Date: 04/27/23
Time: 17:58:24

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Date: 11/17/22
Test Well: PWCG-1

AQUIFER DATA

Saturated Thickness: 6. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: PWCG-1

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.662 ft
Static Water Column Height: 35.1 ft
Casing Radius: 0.083 ft
Well Radius: 0.083 ft
Well Skin Radius: 1. ft
Screen Length: 10. ft
Total Well Penetration Depth: 33.4 ft

No. of Observations: 3000

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.	1.662	1501.	0.077
2.	1.623	1502.	0.081
3.	1.57	1503.	0.079
4.	1.535	1504.	0.071
5.	1.496	1505.	0.072
6.	1.481	1506.	0.081
7.	1.456	1507.	0.087
8.	1.421	1508.	0.083
9.	1.4	1509.	0.074
10.	1.376	1510.	0.081
11.	1.347	1511.	0.074
12.	1.318	1512.	0.078
13.	1.312	1513.	0.078
14.	1.304	1514.	0.077
15.	1.278	1515.	0.065
16.	1.265	1516.	0.092
17.	1.249	1517.	0.065
18.	1.221	1518.	0.074
19.	1.214	1519.	0.086
20.	1.204	1520.	0.081

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
21.	1.196	1521.	0.089
22.	1.158	1522.	0.081
23.	1.156	1523.	0.079
24.	1.15	1524.	0.091
25.	1.131	1525.	0.076
26.	1.114	1526.	0.096
27.	1.11	1527.	0.07
28.	1.086	1528.	0.075
29.	1.073	1529.	0.077
30.	1.063	1530.	0.074
31.	1.049	1531.	0.079
32.	1.045	1532.	0.079
33.	1.03	1533.	0.062
34.	1.03	1534.	0.089
35.	1.01	1535.	0.07
36.	1.003	1536.	0.08
37.	0.993	1537.	0.081
38.	0.983	1538.	0.078
39.	0.96	1539.	0.095
40.	0.959	1540.	0.084
41.	0.962	1541.	0.083
42.	0.946	1542.	0.072
43.	0.935	1543.	0.079
44.	0.923	1544.	0.08
45.	0.919	1545.	0.078
46.	0.911	1546.	0.087
47.	0.897	1547.	0.077
48.	0.901	1548.	0.07
49.	0.891	1549.	0.068
50.	0.887	1550.	0.077
51.	0.863	1551.	0.074
52.	0.869	1552.	0.083
53.	0.852	1553.	0.081
54.	0.846	1554.	0.075
55.	0.846	1555.	0.079
56.	0.833	1556.	0.092
57.	0.819	1557.	0.068
58.	0.819	1558.	0.068
59.	0.81	1559.	0.062
60.	0.804	1560.	0.085
61.	0.808	1561.	0.072
62.	0.783	1562.	0.063
63.	0.792	1563.	0.079
64.	0.781	1564.	0.074
65.	0.788	1565.	0.075
66.	0.77	1566.	0.081
67.	0.759	1567.	0.075
68.	0.767	1568.	0.081
69.	0.74	1569.	0.075
70.	0.748	1570.	0.071
71.	0.743	1571.	0.08
72.	0.745	1572.	0.083
73.	0.737	1573.	0.067
74.	0.724	1574.	0.074
75.	0.714	1575.	0.077

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
76.	0.701	1576.	0.075
77.	0.691	1577.	0.071
78.	0.71	1578.	0.075
79.	0.709	1579.	0.082
80.	0.698	1580.	0.081
81.	0.69	1581.	0.072
82.	0.693	1582.	0.065
83.	0.674	1583.	0.088
84.	0.672	1584.	0.068
85.	0.66	1585.	0.077
86.	0.68	1586.	0.075
87.	0.666	1587.	0.075
88.	0.667	1588.	0.077
89.	0.657	1589.	0.074
90.	0.66	1590.	0.087
91.	0.653	1591.	0.066
92.	0.643	1592.	0.074
93.	0.655	1593.	0.074
94.	0.646	1594.	0.077
95.	0.642	1595.	0.082
96.	0.634	1596.	0.075
97.	0.626	1597.	0.087
98.	0.607	1598.	0.072
99.	0.626	1599.	0.074
100.	0.626	1600.	0.083
101.	0.623	1601.	0.085
102.	0.603	1602.	0.066
103.	0.611	1603.	0.074
104.	0.611	1604.	0.079
105.	0.617	1605.	0.087
106.	0.611	1606.	0.078
107.	0.607	1607.	0.078
108.	0.594	1608.	0.076
109.	0.588	1609.	0.065
110.	0.588	1610.	0.074
111.	0.598	1611.	0.068
112.	0.587	1612.	0.072
113.	0.588	1613.	0.067
114.	0.583	1614.	0.061
115.	0.577	1615.	0.074
116.	0.569	1616.	0.081
117.	0.56	1617.	0.083
118.	0.577	1618.	0.082
119.	0.561	1619.	0.08
120.	0.563	1620.	0.074
121.	0.559	1621.	0.085
122.	0.561	1622.	0.065
123.	0.564	1623.	0.072
124.	0.562	1624.	0.062
125.	0.545	1625.	0.068
126.	0.558	1626.	0.063
127.	0.554	1627.	0.065
128.	0.541	1628.	0.068
129.	0.541	1629.	0.077
130.	0.55	1630.	0.079

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
131.	0.543	1631.	0.071
132.	0.525	1632.	0.085
133.	0.537	1633.	0.065
134.	0.527	1634.	0.083
135.	0.533	1635.	0.075
136.	0.537	1636.	0.066
137.	0.532	1637.	0.068
138.	0.521	1638.	0.075
139.	0.528	1639.	0.074
140.	0.517	1640.	0.054
141.	0.522	1641.	0.085
142.	0.505	1642.	0.072
143.	0.514	1643.	0.07
144.	0.51	1644.	0.075
145.	0.512	1645.	0.083
146.	0.513	1646.	0.066
147.	0.495	1647.	0.068
148.	0.503	1648.	0.072
149.	0.479	1649.	0.077
150.	0.491	1650.	0.061
151.	0.503	1651.	0.07
152.	0.495	1652.	0.075
153.	0.493	1653.	0.075
154.	0.488	1654.	0.068
155.	0.498	1655.	0.074
156.	0.489	1656.	0.07
157.	0.492	1657.	0.071
158.	0.486	1658.	0.062
159.	0.484	1659.	0.072
160.	0.49	1660.	0.066
161.	0.484	1661.	0.079
162.	0.482	1662.	0.066
163.	0.472	1663.	0.068
164.	0.467	1664.	0.075
165.	0.486	1665.	0.068
166.	0.469	1666.	0.074
167.	0.471	1667.	0.068
168.	0.474	1668.	0.074
169.	0.471	1669.	0.079
170.	0.472	1670.	0.068
171.	0.469	1671.	0.058
172.	0.468	1672.	0.075
173.	0.472	1673.	0.079
174.	0.465	1674.	0.063
175.	0.461	1675.	0.068
176.	0.451	1676.	0.066
177.	0.457	1677.	0.068
178.	0.46	1678.	0.07
179.	0.45	1679.	0.072
180.	0.458	1680.	0.068
181.	0.446	1681.	0.074
182.	0.457	1682.	0.075
183.	0.452	1683.	0.081
184.	0.448	1684.	0.074
185.	0.444	1685.	0.068

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
186.	0.455	1686.	0.074
187.	0.454	1687.	0.074
188.	0.452	1688.	0.066
189.	0.452	1689.	0.061
190.	0.44	1690.	0.07
191.	0.438	1691.	0.079
192.	0.448	1692.	0.077
193.	0.444	1693.	0.075
194.	0.452	1694.	0.078
195.	0.437	1695.	0.075
196.	0.423	1696.	0.065
197.	0.441	1697.	0.072
198.	0.433	1698.	0.062
199.	0.421	1699.	0.064
200.	0.428	1700.	0.07
201.	0.433	1701.	0.077
202.	0.422	1702.	0.069
203.	0.425	1703.	0.061
204.	0.428	1704.	0.077
205.	0.423	1705.	0.062
206.	0.427	1706.	0.079
207.	0.421	1707.	0.07
208.	0.425	1708.	0.087
209.	0.419	1709.	0.079
210.	0.42	1710.	0.063
211.	0.43	1711.	0.062
212.	0.422	1712.	0.058
213.	0.414	1713.	0.083
214.	0.414	1714.	0.074
215.	0.428	1715.	0.072
216.	0.415	1716.	0.064
217.	0.413	1717.	0.074
218.	0.399	1718.	0.074
219.	0.407	1719.	0.072
220.	0.404	1720.	0.065
221.	0.405	1721.	0.056
222.	0.398	1722.	0.07
223.	0.4	1723.	0.074
224.	0.4	1724.	0.055
225.	0.409	1725.	0.066
226.	0.39	1726.	0.063
227.	0.411	1727.	0.07
228.	0.406	1728.	0.089
229.	0.394	1729.	0.072
230.	0.391	1730.	0.066
231.	0.394	1731.	0.074
232.	0.402	1732.	0.074
233.	0.392	1733.	0.066
234.	0.393	1734.	0.064
235.	0.389	1735.	0.062
236.	0.38	1736.	0.07
237.	0.397	1737.	0.063
238.	0.401	1738.	0.072
239.	0.384	1739.	0.072
240.	0.376	1740.	0.056

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
241.	0.38	1741.	0.058
242.	0.39	1742.	0.076
243.	0.383	1743.	0.058
244.	0.379	1744.	0.062
245.	0.383	1745.	0.081
246.	0.39	1746.	0.075
247.	0.382	1747.	0.07
248.	0.385	1748.	0.081
249.	0.372	1749.	0.066
250.	0.381	1750.	0.071
251.	0.377	1751.	0.062
252.	0.371	1752.	0.058
253.	0.372	1753.	0.066
254.	0.371	1754.	0.068
255.	0.385	1755.	0.068
256.	0.368	1756.	0.054
257.	0.372	1757.	0.079
258.	0.362	1758.	0.068
259.	0.378	1759.	0.056
260.	0.376	1760.	0.065
261.	0.361	1761.	0.062
262.	0.374	1762.	0.066
263.	0.367	1763.	0.056
264.	0.377	1764.	0.068
265.	0.369	1765.	0.072
266.	0.377	1766.	0.062
267.	0.369	1767.	0.064
268.	0.375	1768.	0.066
269.	0.363	1769.	0.079
270.	0.362	1770.	0.062
271.	0.364	1771.	0.072
272.	0.364	1772.	0.074
273.	0.352	1773.	0.063
274.	0.356	1774.	0.063
275.	0.362	1775.	0.064
276.	0.375	1776.	0.063
277.	0.355	1777.	0.06
278.	0.36	1778.	0.057
279.	0.345	1779.	0.062
280.	0.364	1780.	0.072
281.	0.37	1781.	0.072
282.	0.353	1782.	0.064
283.	0.346	1783.	0.075
284.	0.357	1784.	0.065
285.	0.34	1785.	0.054
286.	0.357	1786.	0.07
287.	0.342	1787.	0.06
288.	0.35	1788.	0.072
289.	0.348	1789.	0.061
290.	0.337	1790.	0.066
291.	0.347	1791.	0.074
292.	0.343	1792.	0.06
293.	0.341	1793.	0.072
294.	0.356	1794.	0.066
295.	0.341	1795.	0.064

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
296.	0.349	1796.	0.068
297.	0.349	1797.	0.061
298.	0.334	1798.	0.072
299.	0.344	1799.	0.064
300.	0.328	1800.	0.06
301.	0.348	1801.	0.07
302.	0.342	1802.	0.066
303.	0.343	1803.	0.066
304.	0.325	1804.	0.067
305.	0.335	1805.	0.075
306.	0.337	1806.	0.075
307.	0.319	1807.	0.074
308.	0.32	1808.	0.068
309.	0.331	1809.	0.07
310.	0.334	1810.	0.064
311.	0.325	1811.	0.068
312.	0.334	1812.	0.074
313.	0.321	1813.	0.085
314.	0.327	1814.	0.066
315.	0.329	1815.	0.072
316.	0.333	1816.	0.079
317.	0.324	1817.	0.075
318.	0.327	1818.	0.064
319.	0.328	1819.	0.077
320.	0.322	1820.	0.077
321.	0.322	1821.	0.068
322.	0.322	1822.	0.068
323.	0.325	1823.	0.074
324.	0.321	1824.	0.075
325.	0.327	1825.	0.064
326.	0.327	1826.	0.07
327.	0.332	1827.	0.068
328.	0.327	1828.	0.07
329.	0.324	1829.	0.072
330.	0.314	1830.	0.068
331.	0.324	1831.	0.066
332.	0.31	1832.	0.068
333.	0.308	1833.	0.068
334.	0.306	1834.	0.066
335.	0.306	1835.	0.058
336.	0.327	1836.	0.064
337.	0.315	1837.	0.068
338.	0.32	1838.	0.065
339.	0.304	1839.	0.068
340.	0.321	1840.	0.06
341.	0.309	1841.	0.064
342.	0.315	1842.	0.068
343.	0.306	1843.	0.066
344.	0.296	1844.	0.058
345.	0.312	1845.	0.068
346.	0.32	1846.	0.059
347.	0.321	1847.	0.054
348.	0.299	1848.	0.072
349.	0.295	1849.	0.062
350.	0.298	1850.	0.07

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
351.	0.305	1851.	0.062
352.	0.315	1852.	0.075
353.	0.305	1853.	0.062
354.	0.303	1854.	0.064
355.	0.298	1855.	0.062
356.	0.301	1856.	0.072
357.	0.31	1857.	0.064
358.	0.301	1858.	0.071
359.	0.301	1859.	0.06
360.	0.308	1860.	0.068
361.	0.31	1861.	0.072
362.	0.292	1862.	0.06
363.	0.311	1863.	0.05
364.	0.284	1864.	0.058
365.	0.31	1865.	0.062
366.	0.293	1866.	0.062
367.	0.292	1867.	0.066
368.	0.303	1868.	0.077
369.	0.289	1869.	0.068
370.	0.3	1870.	0.062
371.	0.293	1871.	0.062
372.	0.29	1872.	0.072
373.	0.295	1873.	0.066
374.	0.296	1874.	0.075
375.	0.286	1875.	0.072
376.	0.289	1876.	0.077
377.	0.291	1877.	0.062
378.	0.291	1878.	0.074
379.	0.295	1879.	0.064
380.	0.297	1880.	0.056
381.	0.273	1881.	0.067
382.	0.299	1882.	0.066
383.	0.29	1883.	0.054
384.	0.29	1884.	0.052
385.	0.296	1885.	0.068
386.	0.284	1886.	0.061
387.	0.278	1887.	0.072
388.	0.286	1888.	0.064
389.	0.284	1889.	0.068
390.	0.289	1890.	0.068
391.	0.289	1891.	0.07
392.	0.287	1892.	0.066
393.	0.267	1893.	0.068
394.	0.275	1894.	0.066
395.	0.277	1895.	0.06
396.	0.268	1896.	0.074
397.	0.292	1897.	0.06
398.	0.278	1898.	0.074
399.	0.276	1899.	0.062
400.	0.28	1900.	0.068
401.	0.284	1901.	0.07
402.	0.28	1902.	0.052
403.	0.277	1903.	0.06
404.	0.294	1904.	0.066
405.	0.273	1905.	0.062

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
406.	0.269	1906.	0.06
407.	0.271	1907.	0.066
408.	0.267	1908.	0.061
409.	0.286	1909.	0.074
410.	0.27	1910.	0.06
411.	0.273	1911.	0.066
412.	0.27	1912.	0.079
413.	0.265	1913.	0.068
414.	0.286	1914.	0.057
415.	0.271	1915.	0.06
416.	0.269	1916.	0.072
417.	0.278	1917.	0.07
418.	0.267	1918.	0.068
419.	0.274	1919.	0.072
420.	0.272	1920.	0.058
421.	0.268	1921.	0.072
422.	0.264	1922.	0.058
423.	0.27	1923.	0.066
424.	0.259	1924.	0.065
425.	0.253	1925.	0.07
426.	0.271	1926.	0.066
427.	0.263	1927.	0.064
428.	0.274	1928.	0.058
429.	0.25	1929.	0.058
430.	0.266	1930.	0.052
431.	0.268	1931.	0.065
432.	0.274	1932.	0.058
433.	0.268	1933.	0.06
434.	0.254	1934.	0.049
435.	0.272	1935.	0.068
436.	0.267	1936.	0.044
437.	0.261	1937.	0.059
438.	0.263	1938.	0.068
439.	0.26	1939.	0.06
440.	0.271	1940.	0.063
441.	0.255	1941.	0.064
442.	0.259	1942.	0.067
443.	0.246	1943.	0.064
444.	0.26	1944.	0.072
445.	0.247	1945.	0.066
446.	0.253	1946.	0.06
447.	0.254	1947.	0.058
448.	0.253	1948.	0.064
449.	0.266	1949.	0.072
450.	0.255	1950.	0.068
451.	0.247	1951.	0.05
452.	0.255	1952.	0.069
453.	0.25	1953.	0.068
454.	0.255	1954.	0.068
455.	0.244	1955.	0.068
456.	0.256	1956.	0.056
457.	0.235	1957.	0.066
458.	0.256	1958.	0.064
459.	0.266	1959.	0.062
460.	0.251	1960.	0.063

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
461.	0.256	1961.	0.066
462.	0.245	1962.	0.067
463.	0.25	1963.	0.068
464.	0.232	1964.	0.067
465.	0.24	1965.	0.072
466.	0.244	1966.	0.058
467.	0.25	1967.	0.07
468.	0.244	1968.	0.056
469.	0.259	1969.	0.066
470.	0.252	1970.	0.063
471.	0.239	1971.	0.059
472.	0.254	1972.	0.051
473.	0.237	1973.	0.062
474.	0.231	1974.	0.072
475.	0.249	1975.	0.074
476.	0.236	1976.	0.07
477.	0.251	1977.	0.064
478.	0.244	1978.	0.058
479.	0.248	1979.	0.062
480.	0.236	1980.	0.058
481.	0.241	1981.	0.052
482.	0.244	1982.	0.064
483.	0.248	1983.	0.064
484.	0.241	1984.	0.05
485.	0.25	1985.	0.064
486.	0.249	1986.	0.054
487.	0.235	1987.	0.06
488.	0.246	1988.	0.066
489.	0.239	1989.	0.065
490.	0.245	1990.	0.068
491.	0.234	1991.	0.061
492.	0.239	1992.	0.066
493.	0.229	1993.	0.06
494.	0.245	1994.	0.067
495.	0.248	1995.	0.058
496.	0.232	1996.	0.062
497.	0.238	1997.	0.062
498.	0.235	1998.	0.075
499.	0.243	1999.	0.074
500.	0.236	2000.	0.05
501.	0.227	2001.	0.068
502.	0.236	2002.	0.066
503.	0.233	2003.	0.079
504.	0.238	2004.	0.072
505.	0.247	2005.	0.058
506.	0.248	2006.	0.056
507.	0.243	2007.	0.062
508.	0.237	2008.	0.072
509.	0.235	2009.	0.069
510.	0.223	2010.	0.066
511.	0.224	2011.	0.062
512.	0.23	2012.	0.059
513.	0.229	2013.	0.072
514.	0.235	2014.	0.066
515.	0.23	2015.	0.051

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
516.	0.224	2016.	0.066
517.	0.235	2017.	0.062
518.	0.232	2018.	0.072
519.	0.216	2019.	0.052
520.	0.228	2020.	0.058
521.	0.224	2021.	0.066
522.	0.222	2022.	0.06
523.	0.238	2023.	0.066
524.	0.234	2024.	0.054
525.	0.236	2025.	0.062
526.	0.219	2026.	0.064
527.	0.239	2027.	0.07
528.	0.227	2028.	0.047
529.	0.229	2029.	0.068
530.	0.227	2030.	0.058
531.	0.223	2031.	0.066
532.	0.225	2032.	0.068
533.	0.229	2033.	0.058
534.	0.235	2034.	0.072
535.	0.229	2035.	0.062
536.	0.216	2036.	0.07
537.	0.234	2037.	0.07
538.	0.216	2038.	0.054
539.	0.225	2039.	0.066
540.	0.232	2040.	0.064
541.	0.232	2041.	0.064
542.	0.228	2042.	0.057
543.	0.229	2043.	0.06
544.	0.214	2044.	0.073
545.	0.237	2045.	0.056
546.	0.213	2046.	0.064
547.	0.215	2047.	0.072
548.	0.229	2048.	0.064
549.	0.217	2049.	0.068
550.	0.209	2050.	0.06
551.	0.217	2051.	0.068
552.	0.227	2052.	0.06
553.	0.234	2053.	0.059
554.	0.211	2054.	0.06
555.	0.226	2055.	0.066
556.	0.22	2056.	0.058
557.	0.207	2057.	0.058
558.	0.218	2058.	0.072
559.	0.215	2059.	0.066
560.	0.23	2060.	0.064
561.	0.214	2061.	0.07
562.	0.219	2062.	0.064
563.	0.224	2063.	0.068
564.	0.214	2064.	0.07
565.	0.22	2065.	0.05
566.	0.221	2066.	0.059
567.	0.209	2067.	0.054
568.	0.222	2068.	0.074
569.	0.213	2069.	0.066
570.	0.222	2070.	0.056

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
571.	0.209	2071.	0.06
572.	0.211	2072.	0.079
573.	0.213	2073.	0.068
574.	0.209	2074.	0.067
575.	0.204	2075.	0.062
576.	0.219	2076.	0.07
577.	0.226	2077.	0.064
578.	0.233	2078.	0.063
579.	0.212	2079.	0.064
580.	0.218	2080.	0.062
581.	0.212	2081.	0.06
582.	0.212	2082.	0.058
583.	0.204	2083.	0.066
584.	0.21	2084.	0.053
585.	0.218	2085.	0.075
586.	0.224	2086.	0.054
587.	0.202	2087.	0.058
588.	0.194	2088.	0.062
589.	0.205	2089.	0.063
590.	0.209	2090.	0.049
591.	0.21	2091.	0.069
592.	0.208	2092.	0.059
593.	0.204	2093.	0.056
594.	0.203	2094.	0.059
595.	0.198	2095.	0.072
596.	0.198	2096.	0.068
597.	0.203	2097.	0.062
598.	0.211	2098.	0.054
599.	0.21	2099.	0.069
600.	0.212	2100.	0.072
601.	0.205	2101.	0.056
602.	0.191	2102.	0.064
603.	0.209	2103.	0.064
604.	0.215	2104.	0.062
605.	0.206	2105.	0.064
606.	0.215	2106.	0.053
607.	0.197	2107.	0.056
608.	0.214	2108.	0.051
609.	0.2	2109.	0.058
610.	0.214	2110.	0.064
611.	0.2	2111.	0.062
612.	0.208	2112.	0.052
613.	0.199	2113.	0.062
614.	0.206	2114.	0.054
615.	0.194	2115.	0.062
616.	0.207	2116.	0.07
617.	0.202	2117.	0.06
618.	0.207	2118.	0.054
619.	0.221	2119.	0.066
620.	0.198	2120.	0.066
621.	0.204	2121.	0.066
622.	0.19	2122.	0.066
623.	0.207	2123.	0.056
624.	0.21	2124.	0.068
625.	0.195	2125.	0.064

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
626.	0.197	2126.	0.065
627.	0.183	2127.	0.058
628.	0.202	2128.	0.071
629.	0.194	2129.	0.064
630.	0.2	2130.	0.068
631.	0.193	2131.	0.068
632.	0.204	2132.	0.054
633.	0.214	2133.	0.062
634.	0.197	2134.	0.056
635.	0.199	2135.	0.077
636.	0.188	2136.	0.056
637.	0.2	2137.	0.074
638.	0.213	2138.	0.066
639.	0.192	2139.	0.077
640.	0.197	2140.	0.058
641.	0.19	2141.	0.068
642.	0.205	2142.	0.056
643.	0.211	2143.	0.063
644.	0.203	2144.	0.048
645.	0.181	2145.	0.054
646.	0.185	2146.	0.058
647.	0.191	2147.	0.072
648.	0.185	2148.	0.06
649.	0.189	2149.	0.072
650.	0.191	2150.	0.06
651.	0.195	2151.	0.058
652.	0.189	2152.	0.056
653.	0.208	2153.	0.054
654.	0.195	2154.	0.052
655.	0.186	2155.	0.054
656.	0.179	2156.	0.056
657.	0.19	2157.	0.06
658.	0.186	2158.	0.056
659.	0.19	2159.	0.058
660.	0.186	2160.	0.048
661.	0.19	2161.	0.053
662.	0.192	2162.	0.051
663.	0.197	2163.	0.054
664.	0.17	2164.	0.066
665.	0.187	2165.	0.044
666.	0.189	2166.	0.07
667.	0.193	2167.	0.062
668.	0.189	2168.	0.062
669.	0.183	2169.	0.062
670.	0.198	2170.	0.06
671.	0.183	2171.	0.074
672.	0.181	2172.	0.069
673.	0.187	2173.	0.064
674.	0.187	2174.	0.056
675.	0.188	2175.	0.066
676.	0.192	2176.	0.057
677.	0.192	2177.	0.064
678.	0.178	2178.	0.066
679.	0.193	2179.	0.06
680.	0.19	2180.	0.057

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
681.	0.188	2181.	0.06
682.	0.176	2182.	0.064
683.	0.186	2183.	0.064
684.	0.188	2184.	0.064
685.	0.18	2185.	0.066
686.	0.173	2186.	0.062
687.	0.196	2187.	0.06
688.	0.167	2188.	0.058
689.	0.198	2189.	0.058
690.	0.175	2190.	0.06
691.	0.181	2191.	0.064
692.	0.177	2192.	0.062
693.	0.173	2193.	0.067
694.	0.169	2194.	0.058
695.	0.183	2195.	0.056
696.	0.197	2196.	0.06
697.	0.197	2197.	0.064
698.	0.18	2198.	0.054
699.	0.184	2199.	0.054
700.	0.191	2200.	0.048
701.	0.178	2201.	0.07
702.	0.185	2202.	0.058
703.	0.18	2203.	0.064
704.	0.192	2204.	0.068
705.	0.181	2205.	0.065
706.	0.17	2206.	0.057
707.	0.189	2207.	0.06
708.	0.182	2208.	0.074
709.	0.182	2209.	0.07
710.	0.168	2210.	0.068
711.	0.171	2211.	0.072
712.	0.175	2212.	0.068
713.	0.185	2213.	0.062
714.	0.182	2214.	0.06
715.	0.184	2215.	0.052
716.	0.165	2216.	0.069
717.	0.167	2217.	0.062
718.	0.167	2218.	0.058
719.	0.164	2219.	0.077
720.	0.182	2220.	0.067
721.	0.176	2221.	0.064
722.	0.186	2222.	0.074
723.	0.171	2223.	0.068
724.	0.193	2224.	0.064
725.	0.175	2225.	0.074
726.	0.177	2226.	0.066
727.	0.164	2227.	0.054
728.	0.167	2228.	0.062
729.	0.159	2229.	0.062
730.	0.175	2230.	0.06
731.	0.181	2231.	0.056
732.	0.17	2232.	0.058
733.	0.177	2233.	0.06
734.	0.167	2234.	0.059
735.	0.18	2235.	0.064

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
736.	0.177	2236.	0.066
737.	0.17	2237.	0.054
738.	0.174	2238.	0.054
739.	0.158	2239.	0.06
740.	0.172	2240.	0.064
741.	0.17	2241.	0.066
742.	0.175	2242.	0.052
743.	0.161	2243.	0.062
744.	0.163	2244.	0.051
745.	0.173	2245.	0.059
746.	0.16	2246.	0.06
747.	0.163	2247.	0.07
748.	0.174	2248.	0.056
749.	0.163	2249.	0.06
750.	0.175	2250.	0.048
751.	0.162	2251.	0.064
752.	0.164	2252.	0.058
753.	0.175	2253.	0.077
754.	0.165	2254.	0.056
755.	0.168	2255.	0.065
756.	0.164	2256.	0.068
757.	0.157	2257.	0.062
758.	0.158	2258.	0.067
759.	0.165	2259.	0.052
760.	0.163	2260.	0.06
761.	0.154	2261.	0.07
762.	0.15	2262.	0.056
763.	0.163	2263.	0.063
764.	0.16	2264.	0.064
765.	0.161	2265.	0.064
766.	0.155	2266.	0.046
767.	0.152	2267.	0.052
768.	0.174	2268.	0.061
769.	0.173	2269.	0.054
770.	0.171	2270.	0.04
771.	0.181	2271.	0.07
772.	0.177	2272.	0.039
773.	0.156	2273.	0.056
774.	0.169	2274.	0.062
775.	0.172	2275.	0.052
776.	0.173	2276.	0.075
777.	0.15	2277.	0.049
778.	0.155	2278.	0.064
779.	0.171	2279.	0.073
780.	0.172	2280.	0.052
781.	0.156	2281.	0.054
782.	0.168	2282.	0.056
783.	0.158	2283.	0.062
784.	0.167	2284.	0.074
785.	0.158	2285.	0.062
786.	0.163	2286.	0.056
787.	0.156	2287.	0.068
788.	0.156	2288.	0.062
789.	0.147	2289.	0.05
790.	0.163	2290.	0.058

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
791.	0.166	2291.	0.07
792.	0.158	2292.	0.068
793.	0.157	2293.	0.062
794.	0.158	2294.	0.053
795.	0.154	2295.	0.064
796.	0.152	2296.	0.057
797.	0.157	2297.	0.062
798.	0.163	2298.	0.07
799.	0.168	2299.	0.055
800.	0.157	2300.	0.068
801.	0.165	2301.	0.064
802.	0.159	2302.	0.061
803.	0.155	2303.	0.056
804.	0.153	2304.	0.07
805.	0.151	2305.	0.051
806.	0.148	2306.	0.061
807.	0.161	2307.	0.05
808.	0.157	2308.	0.06
809.	0.169	2309.	0.05
810.	0.155	2310.	0.054
811.	0.145	2311.	0.061
812.	0.151	2312.	0.054
813.	0.151	2313.	0.06
814.	0.161	2314.	0.062
815.	0.155	2315.	0.067
816.	0.151	2316.	0.053
817.	0.161	2317.	0.062
818.	0.149	2318.	0.064
819.	0.154	2319.	0.06
820.	0.149	2320.	0.058
821.	0.162	2321.	0.052
822.	0.147	2322.	0.055
823.	0.158	2323.	0.062
824.	0.16	2324.	0.061
825.	0.156	2325.	0.052
826.	0.156	2326.	0.062
827.	0.144	2327.	0.07
828.	0.15	2328.	0.049
829.	0.158	2329.	0.065
830.	0.144	2330.	0.06
831.	0.147	2331.	0.06
832.	0.158	2332.	0.055
833.	0.162	2333.	0.058
834.	0.145	2334.	0.057
835.	0.162	2335.	0.055
836.	0.154	2336.	0.06
837.	0.156	2337.	0.058
838.	0.152	2338.	0.056
839.	0.158	2339.	0.051
840.	0.157	2340.	0.06
841.	0.142	2341.	0.065
842.	0.153	2342.	0.06
843.	0.159	2343.	0.056
844.	0.151	2344.	0.05
845.	0.155	2345.	0.042

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
846.	0.155	2346.	0.072
847.	0.153	2347.	0.064
848.	0.164	2348.	0.06
849.	0.145	2349.	0.052
850.	0.147	2350.	0.071
851.	0.155	2351.	0.064
852.	0.149	2352.	0.056
853.	0.152	2353.	0.044
854.	0.149	2354.	0.062
855.	0.157	2355.	0.058
856.	0.144	2356.	0.054
857.	0.155	2357.	0.062
858.	0.147	2358.	0.062
859.	0.155	2359.	0.067
860.	0.144	2360.	0.051
861.	0.139	2361.	0.058
862.	0.155	2362.	0.056
863.	0.164	2363.	0.06
864.	0.151	2364.	0.051
865.	0.144	2365.	0.062
866.	0.139	2366.	0.056
867.	0.15	2367.	0.064
868.	0.147	2368.	0.054
869.	0.156	2369.	0.057
870.	0.142	2370.	0.048
871.	0.15	2371.	0.06
872.	0.137	2372.	0.052
873.	0.148	2373.	0.058
874.	0.146	2374.	0.064
875.	0.142	2375.	0.041
876.	0.154	2376.	0.05
877.	0.148	2377.	0.063
878.	0.148	2378.	0.058
879.	0.142	2379.	0.054
880.	0.134	2380.	0.056
881.	0.141	2381.	0.056
882.	0.141	2382.	0.06
883.	0.14	2383.	0.059
884.	0.13	2384.	0.065
885.	0.138	2385.	0.055
886.	0.143	2386.	0.064
887.	0.126	2387.	0.051
888.	0.14	2388.	0.06
889.	0.147	2389.	0.053
890.	0.157	2390.	0.064
891.	0.14	2391.	0.052
892.	0.14	2392.	0.054
893.	0.149	2393.	0.055
894.	0.141	2394.	0.059
895.	0.14	2395.	0.06
896.	0.14	2396.	0.038
897.	0.147	2397.	0.05
898.	0.13	2398.	0.051
899.	0.136	2399.	0.069
900.	0.133	2400.	0.062

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
901.	0.125	2401.	0.066
902.	0.146	2402.	0.05
903.	0.146	2403.	0.052
904.	0.142	2404.	0.058
905.	0.135	2405.	0.064
906.	0.148	2406.	0.051
907.	0.137	2407.	0.054
908.	0.133	2408.	0.062
909.	0.138	2409.	0.067
910.	0.144	2410.	0.058
911.	0.136	2411.	0.052
912.	0.137	2412.	0.072
913.	0.146	2413.	0.058
914.	0.129	2414.	0.059
915.	0.14	2415.	0.064
916.	0.129	2416.	0.048
917.	0.14	2417.	0.071
918.	0.142	2418.	0.054
919.	0.137	2419.	0.05
920.	0.139	2420.	0.064
921.	0.138	2421.	0.058
922.	0.137	2422.	0.061
923.	0.138	2423.	0.06
924.	0.134	2424.	0.052
925.	0.155	2425.	0.065
926.	0.132	2426.	0.056
927.	0.122	2427.	0.062
928.	0.138	2428.	0.06
929.	0.132	2429.	0.058
930.	0.136	2430.	0.053
931.	0.137	2431.	0.052
932.	0.126	2432.	0.056
933.	0.132	2433.	0.05
934.	0.128	2434.	0.074
935.	0.131	2435.	0.068
936.	0.139	2436.	0.061
937.	0.132	2437.	0.06
938.	0.134	2438.	0.063
939.	0.139	2439.	0.064
940.	0.142	2440.	0.054
941.	0.137	2441.	0.047
942.	0.138	2442.	0.062
943.	0.127	2443.	0.046
944.	0.135	2444.	0.054
945.	0.142	2445.	0.059
946.	0.123	2446.	0.064
947.	0.142	2447.	0.059
948.	0.135	2448.	0.052
949.	0.135	2449.	0.055
950.	0.138	2450.	0.061
951.	0.14	2451.	0.042
952.	0.115	2452.	0.059
953.	0.131	2453.	0.046
954.	0.135	2454.	0.056
955.	0.133	2455.	0.055

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
956.	0.133	2456.	0.049
957.	0.135	2457.	0.048
958.	0.135	2458.	0.048
959.	0.144	2459.	0.049
960.	0.132	2460.	0.062
961.	0.132	2461.	0.057
962.	0.128	2462.	0.052
963.	0.137	2463.	0.054
964.	0.124	2464.	0.06
965.	0.139	2465.	0.07
966.	0.12	2466.	0.049
967.	0.122	2467.	0.052
968.	0.132	2468.	0.064
969.	0.134	2469.	0.064
970.	0.126	2470.	0.053
971.	0.122	2471.	0.07
972.	0.134	2472.	0.051
973.	0.135	2473.	0.049
974.	0.139	2474.	0.052
975.	0.139	2475.	0.06
976.	0.144	2476.	0.056
977.	0.134	2477.	0.052
978.	0.128	2478.	0.046
979.	0.124	2479.	0.062
980.	0.124	2480.	0.066
981.	0.135	2481.	0.054
982.	0.138	2482.	0.064
983.	0.131	2483.	0.06
984.	0.129	2484.	0.046
985.	0.115	2485.	0.05
986.	0.121	2486.	0.049
987.	0.138	2487.	0.048
988.	0.13	2488.	0.062
989.	0.133	2489.	0.048
990.	0.129	2490.	0.054
991.	0.14	2491.	0.052
992.	0.134	2492.	0.067
993.	0.129	2493.	0.049
994.	0.121	2494.	0.06
995.	0.135	2495.	0.059
996.	0.117	2496.	0.047
997.	0.118	2497.	0.055
998.	0.127	2498.	0.055
999.	0.13	2499.	0.052
1000.	0.114	2500.	0.048
1001.	0.13	2501.	0.034
1002.	0.123	2502.	0.066
1003.	0.114	2503.	0.063
1004.	0.121	2504.	0.052
1005.	0.128	2505.	0.052
1006.	0.128	2506.	0.049
1007.	0.125	2507.	0.064
1008.	0.134	2508.	0.06
1009.	0.126	2509.	0.062
1010.	0.135	2510.	0.058

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1011.	0.13	2511.	0.065
1012.	0.132	2512.	0.056
1013.	0.132	2513.	0.056
1014.	0.134	2514.	0.053
1015.	0.128	2515.	0.047
1016.	0.124	2516.	0.049
1017.	0.132	2517.	0.056
1018.	0.126	2518.	0.048
1019.	0.135	2519.	0.052
1020.	0.13	2520.	0.048
1021.	0.122	2521.	0.055
1022.	0.123	2522.	0.054
1023.	0.129	2523.	0.052
1024.	0.134	2524.	0.052
1025.	0.113	2525.	0.058
1026.	0.127	2526.	0.051
1027.	0.138	2527.	0.062
1028.	0.124	2528.	0.056
1029.	0.117	2529.	0.034
1030.	0.121	2530.	0.058
1031.	0.134	2531.	0.05
1032.	0.121	2532.	0.052
1033.	0.121	2533.	0.065
1034.	0.121	2534.	0.055
1035.	0.133	2535.	0.056
1036.	0.134	2536.	0.058
1037.	0.122	2537.	0.055
1038.	0.125	2538.	0.053
1039.	0.136	2539.	0.058
1040.	0.11	2540.	0.054
1041.	0.122	2541.	0.047
1042.	0.12	2542.	0.041
1043.	0.13	2543.	0.06
1044.	0.118	2544.	0.056
1045.	0.126	2545.	0.056
1046.	0.124	2546.	0.056
1047.	0.126	2547.	0.07
1048.	0.119	2548.	0.06
1049.	0.114	2549.	0.055
1050.	0.127	2550.	0.056
1051.	0.128	2551.	0.057
1052.	0.126	2552.	0.056
1053.	0.128	2553.	0.058
1054.	0.128	2554.	0.054
1055.	0.124	2555.	0.045
1056.	0.114	2556.	0.047
1057.	0.116	2557.	0.053
1058.	0.137	2558.	0.066
1059.	0.124	2559.	0.054
1060.	0.123	2560.	0.059
1061.	0.113	2561.	0.05
1062.	0.117	2562.	0.053
1063.	0.129	2563.	0.048
1064.	0.111	2564.	0.049
1065.	0.121	2565.	0.052

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1066.	0.125	2566.	0.061
1067.	0.113	2567.	0.063
1068.	0.102	2568.	0.045
1069.	0.117	2569.	0.037
1070.	0.119	2570.	0.046
1071.	0.118	2571.	0.053
1072.	0.118	2572.	0.051
1073.	0.106	2573.	0.049
1074.	0.132	2574.	0.049
1075.	0.12	2575.	0.057
1076.	0.125	2576.	0.05
1077.	0.127	2577.	0.054
1078.	0.114	2578.	0.064
1079.	0.12	2579.	0.047
1080.	0.126	2580.	0.064
1081.	0.121	2581.	0.056
1082.	0.106	2582.	0.058
1083.	0.112	2583.	0.049
1084.	0.118	2584.	0.059
1085.	0.115	2585.	0.051
1086.	0.12	2586.	0.05
1087.	0.113	2587.	0.062
1088.	0.11	2588.	0.053
1089.	0.106	2589.	0.06
1090.	0.12	2590.	0.062
1091.	0.123	2591.	0.046
1092.	0.102	2592.	0.055
1093.	0.113	2593.	0.049
1094.	0.126	2594.	0.042
1095.	0.12	2595.	0.048
1096.	0.119	2596.	0.049
1097.	0.122	2597.	0.051
1098.	0.122	2598.	0.069
1099.	0.114	2599.	0.05
1100.	0.111	2600.	0.062
1101.	0.115	2601.	0.052
1102.	0.118	2602.	0.046
1103.	0.111	2603.	0.059
1104.	0.107	2604.	0.039
1105.	0.117	2605.	0.061
1106.	0.122	2606.	0.046
1107.	0.121	2607.	0.053
1108.	0.114	2608.	0.056
1109.	0.123	2609.	0.062
1110.	0.119	2610.	0.049
1111.	0.119	2611.	0.047
1112.	0.123	2612.	0.052
1113.	0.126	2613.	0.056
1114.	0.118	2614.	0.055
1115.	0.114	2615.	0.051
1116.	0.111	2616.	0.058
1117.	0.122	2617.	0.058
1118.	0.114	2618.	0.057
1119.	0.114	2619.	0.049
1120.	0.106	2620.	0.054

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1121.	0.108	2621.	0.048
1122.	0.112	2622.	0.053
1123.	0.118	2623.	0.047
1124.	0.104	2624.	0.056
1125.	0.109	2625.	0.056
1126.	0.101	2626.	0.054
1127.	0.112	2627.	0.058
1128.	0.108	2628.	0.063
1129.	0.1	2629.	0.051
1130.	0.119	2630.	0.061
1131.	0.121	2631.	0.052
1132.	0.112	2632.	0.054
1133.	0.112	2633.	0.047
1134.	0.109	2634.	0.044
1135.	0.106	2635.	0.055
1136.	0.106	2636.	0.047
1137.	0.118	2637.	0.047
1138.	0.118	2638.	0.054
1139.	0.121	2639.	0.057
1140.	0.11	2640.	0.052
1141.	0.105	2641.	0.05
1142.	0.095	2642.	0.047
1143.	0.109	2643.	0.051
1144.	0.105	2644.	0.058
1145.	0.109	2645.	0.065
1146.	0.121	2646.	0.047
1147.	0.11	2647.	0.039
1148.	0.114	2648.	0.044
1149.	0.109	2649.	0.054
1150.	0.124	2650.	0.038
1151.	0.11	2651.	0.048
1152.	0.11	2652.	0.042
1153.	0.1	2653.	0.061
1154.	0.107	2654.	0.049
1155.	0.115	2655.	0.057
1156.	0.1	2656.	0.061
1157.	0.116	2657.	0.055
1158.	0.108	2658.	0.051
1159.	0.109	2659.	0.054
1160.	0.114	2660.	0.054
1161.	0.113	2661.	0.045
1162.	0.11	2662.	0.05
1163.	0.112	2663.	0.041
1164.	0.113	2664.	0.039
1165.	0.109	2665.	0.063
1166.	0.113	2666.	0.05
1167.	0.104	2667.	0.054
1168.	0.113	2668.	0.041
1169.	0.116	2669.	0.047
1170.	0.115	2670.	0.053
1171.	0.111	2671.	0.056
1172.	0.118	2672.	0.048
1173.	0.111	2673.	0.051
1174.	0.101	2674.	0.051
1175.	0.114	2675.	0.055

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1176.	0.094	2676.	0.037
1177.	0.113	2677.	0.036
1178.	0.115	2678.	0.044
1179.	0.109	2679.	0.047
1180.	0.104	2680.	0.048
1181.	0.102	2681.	0.047
1182.	0.113	2682.	0.033
1183.	0.126	2683.	0.047
1184.	0.108	2684.	0.044
1185.	0.112	2685.	0.058
1186.	0.1	2686.	0.047
1187.	0.111	2687.	0.043
1188.	0.11	2688.	0.047
1189.	0.113	2689.	0.047
1190.	0.092	2690.	0.049
1191.	0.108	2691.	0.048
1192.	0.11	2692.	0.047
1193.	0.1	2693.	0.047
1194.	0.094	2694.	0.049
1195.	0.103	2695.	0.052
1196.	0.101	2696.	0.061
1197.	0.103	2697.	0.056
1198.	0.106	2698.	0.048
1199.	0.095	2699.	0.053
1200.	0.11	2700.	0.054
1201.	0.118	2701.	0.047
1202.	0.103	2702.	0.063
1203.	0.107	2703.	0.05
1204.	0.104	2704.	0.051
1205.	0.094	2705.	0.047
1206.	0.09	2706.	0.051
1207.	0.114	2707.	0.044
1208.	0.104	2708.	0.052
1209.	0.1	2709.	0.053
1210.	0.095	2710.	0.052
1211.	0.099	2711.	0.05
1212.	0.094	2712.	0.047
1213.	0.094	2713.	0.049
1214.	0.102	2714.	0.051
1215.	0.094	2715.	0.047
1216.	0.109	2716.	0.045
1217.	0.104	2717.	0.055
1218.	0.108	2718.	0.043
1219.	0.103	2719.	0.046
1220.	0.112	2720.	0.055
1221.	0.098	2721.	0.045
1222.	0.102	2722.	0.06
1223.	0.094	2723.	0.047
1224.	0.096	2724.	0.047
1225.	0.099	2725.	0.033
1226.	0.101	2726.	0.053
1227.	0.107	2727.	0.053
1228.	0.112	2728.	0.064
1229.	0.108	2729.	0.06
1230.	0.115	2730.	0.038

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1231.	0.097	2731.	0.057
1232.	0.105	2732.	0.058
1233.	0.1	2733.	0.059
1234.	0.104	2734.	0.057
1235.	0.1	2735.	0.038
1236.	0.093	2736.	0.059
1237.	0.102	2737.	0.057
1238.	0.114	2738.	0.045
1239.	0.091	2739.	0.047
1240.	0.104	2740.	0.05
1241.	0.093	2741.	0.05
1242.	0.111	2742.	0.04
1243.	0.106	2743.	0.044
1244.	0.107	2744.	0.043
1245.	0.105	2745.	0.055
1246.	0.09	2746.	0.053
1247.	0.094	2747.	0.047
1248.	0.098	2748.	0.051
1249.	0.099	2749.	0.05
1250.	0.103	2750.	0.051
1251.	0.101	2751.	0.051
1252.	0.107	2752.	0.051
1253.	0.103	2753.	0.054
1254.	0.102	2754.	0.047
1255.	0.098	2755.	0.052
1256.	0.095	2756.	0.049
1257.	0.099	2757.	0.046
1258.	0.098	2758.	0.041
1259.	0.107	2759.	0.053
1260.	0.103	2760.	0.055
1261.	0.108	2761.	0.043
1262.	0.097	2762.	0.046
1263.	0.1	2763.	0.047
1264.	0.098	2764.	0.053
1265.	0.108	2765.	0.047
1266.	0.097	2766.	0.043
1267.	0.095	2767.	0.055
1268.	0.097	2768.	0.052
1269.	0.106	2769.	0.05
1270.	0.092	2770.	0.049
1271.	0.098	2771.	0.048
1272.	0.102	2772.	0.044
1273.	0.098	2773.	0.038
1274.	0.088	2774.	0.047
1275.	0.098	2775.	0.053
1276.	0.103	2776.	0.067
1277.	0.112	2777.	0.047
1278.	0.102	2778.	0.038
1279.	0.096	2779.	0.049
1280.	0.09	2780.	0.057
1281.	0.102	2781.	0.05
1282.	0.095	2782.	0.054
1283.	0.095	2783.	0.053
1284.	0.084	2784.	0.051
1285.	0.107	2785.	0.047

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1286.	0.103	2786.	0.057
1287.	0.097	2787.	0.054
1288.	0.105	2788.	0.061
1289.	0.1	2789.	0.059
1290.	0.104	2790.	0.055
1291.	0.099	2791.	0.058
1292.	0.092	2792.	0.047
1293.	0.095	2793.	0.045
1294.	0.09	2794.	0.054
1295.	0.107	2795.	0.047
1296.	0.093	2796.	0.049
1297.	0.093	2797.	0.048
1298.	0.098	2798.	0.047
1299.	0.095	2799.	0.044
1300.	0.095	2800.	0.058
1301.	0.083	2801.	0.046
1302.	0.097	2802.	0.048
1303.	0.087	2803.	0.043
1304.	0.091	2804.	0.052
1305.	0.102	2805.	0.039
1306.	0.097	2806.	0.049
1307.	0.088	2807.	0.04
1308.	0.098	2808.	0.044
1309.	0.099	2809.	0.047
1310.	0.098	2810.	0.054
1311.	0.081	2811.	0.045
1312.	0.094	2812.	0.065
1313.	0.096	2813.	0.061
1314.	0.098	2814.	0.051
1315.	0.103	2815.	0.037
1316.	0.091	2816.	0.053
1317.	0.103	2817.	0.05
1318.	0.103	2818.	0.046
1319.	0.094	2819.	0.056
1320.	0.087	2820.	0.054
1321.	0.088	2821.	0.049
1322.	0.097	2822.	0.042
1323.	0.09	2823.	0.04
1324.	0.093	2824.	0.051
1325.	0.097	2825.	0.049
1326.	0.102	2826.	0.046
1327.	0.094	2827.	0.045
1328.	0.09	2828.	0.044
1329.	0.097	2829.	0.057
1330.	0.099	2830.	0.052
1331.	0.082	2831.	0.049
1332.	0.1	2832.	0.045
1333.	0.111	2833.	0.045
1334.	0.101	2834.	0.055
1335.	0.096	2835.	0.045
1336.	0.098	2836.	0.052
1337.	0.093	2837.	0.046
1338.	0.09	2838.	0.043
1339.	0.089	2839.	0.048
1340.	0.1	2840.	0.044

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1341.	0.09	2841.	0.044
1342.	0.114	2842.	0.037
1343.	0.097	2843.	0.047
1344.	0.089	2844.	0.058
1345.	0.078	2845.	0.038
1346.	0.095	2846.	0.036
1347.	0.083	2847.	0.04
1348.	0.089	2848.	0.046
1349.	0.101	2849.	0.045
1350.	0.075	2850.	0.036
1351.	0.091	2851.	0.058
1352.	0.096	2852.	0.054
1353.	0.086	2853.	0.033
1354.	0.097	2854.	0.038
1355.	0.079	2855.	0.042
1356.	0.095	2856.	0.058
1357.	0.082	2857.	0.051
1358.	0.086	2858.	0.049
1359.	0.096	2859.	0.052
1360.	0.087	2860.	0.04
1361.	0.09	2861.	0.046
1362.	0.092	2862.	0.056
1363.	0.087	2863.	0.051
1364.	0.088	2864.	0.047
1365.	0.097	2865.	0.057
1366.	0.089	2866.	0.058
1367.	0.093	2867.	0.047
1368.	0.088	2868.	0.048
1369.	0.087	2869.	0.053
1370.	0.085	2870.	0.055
1371.	0.087	2871.	0.055
1372.	0.089	2872.	0.043
1373.	0.089	2873.	0.046
1374.	0.085	2874.	0.051
1375.	0.083	2875.	0.053
1376.	0.09	2876.	0.047
1377.	0.091	2877.	0.043
1378.	0.093	2878.	0.047
1379.	0.088	2879.	0.047
1380.	0.082	2880.	0.054
1381.	0.096	2881.	0.059
1382.	0.089	2882.	0.044
1383.	0.088	2883.	0.048
1384.	0.09	2884.	0.044
1385.	0.088	2885.	0.063
1386.	0.102	2886.	0.055
1387.	0.089	2887.	0.047
1388.	0.086	2888.	0.057
1389.	0.082	2889.	0.043
1390.	0.092	2890.	0.041
1391.	0.08	2891.	0.045
1392.	0.088	2892.	0.05
1393.	0.086	2893.	0.041
1394.	0.083	2894.	0.06
1395.	0.091	2895.	0.054

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1396.	0.075	2896.	0.043
1397.	0.092	2897.	0.043
1398.	0.087	2898.	0.049
1399.	0.074	2899.	0.045
1400.	0.085	2900.	0.05
1401.	0.083	2901.	0.045
1402.	0.092	2902.	0.044
1403.	0.078	2903.	0.051
1404.	0.078	2904.	0.053
1405.	0.088	2905.	0.041
1406.	0.085	2906.	0.049
1407.	0.072	2907.	0.05
1408.	0.091	2908.	0.052
1409.	0.081	2909.	0.039
1410.	0.089	2910.	0.046
1411.	0.085	2911.	0.046
1412.	0.081	2912.	0.064
1413.	0.086	2913.	0.045
1414.	0.09	2914.	0.045
1415.	0.08	2915.	0.042
1416.	0.081	2916.	0.054
1417.	0.095	2917.	0.047
1418.	0.081	2918.	0.067
1419.	0.073	2919.	0.051
1420.	0.078	2920.	0.058
1421.	0.07	2921.	0.033
1422.	0.08	2922.	0.056
1423.	0.082	2923.	0.047
1424.	0.082	2924.	0.045
1425.	0.09	2925.	0.048
1426.	0.08	2926.	0.039
1427.	0.08	2927.	0.045
1428.	0.086	2928.	0.037
1429.	0.088	2929.	0.043
1430.	0.08	2930.	0.046
1431.	0.084	2931.	0.061
1432.	0.077	2932.	0.053
1433.	0.094	2933.	0.051
1434.	0.081	2934.	0.045
1435.	0.083	2935.	0.046
1436.	0.097	2936.	0.044
1437.	0.085	2937.	0.05
1438.	0.092	2938.	0.036
1439.	0.095	2939.	0.049
1440.	0.104	2940.	0.049
1441.	0.087	2941.	0.052
1442.	0.074	2942.	0.054
1443.	0.08	2943.	0.049
1444.	0.087	2944.	0.062
1445.	0.082	2945.	0.046
1446.	0.084	2946.	0.052
1447.	0.095	2947.	0.046
1448.	0.083	2948.	0.048
1449.	0.074	2949.	0.05
1450.	0.087	2950.	0.035

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1451.	0.077	2951.	0.055
1452.	0.094	2952.	0.038
1453.	0.077	2953.	0.041
1454.	0.096	2954.	0.053
1455.	0.091	2955.	0.051
1456.	0.081	2956.	0.052
1457.	0.087	2957.	0.049
1458.	0.101	2958.	0.062
1459.	0.071	2959.	0.05
1460.	0.071	2960.	0.039
1461.	0.075	2961.	0.042
1462.	0.076	2962.	0.045
1463.	0.091	2963.	0.048
1464.	0.076	2964.	0.036
1465.	0.087	2965.	0.05
1466.	0.077	2966.	0.059
1467.	0.078	2967.	0.036
1468.	0.085	2968.	0.043
1469.	0.091	2969.	0.053
1470.	0.083	2970.	0.052
1471.	0.08	2971.	0.042
1472.	0.083	2972.	0.047
1473.	0.084	2973.	0.06
1474.	0.084	2974.	0.043
1475.	0.083	2975.	0.054
1476.	0.082	2976.	0.054
1477.	0.088	2977.	0.054
1478.	0.067	2978.	0.045
1479.	0.088	2979.	0.051
1480.	0.071	2980.	0.036
1481.	0.077	2981.	0.04
1482.	0.083	2982.	0.056
1483.	0.093	2983.	0.047
1484.	0.08	2984.	0.049
1485.	0.075	2985.	0.045
1486.	0.072	2986.	0.045
1487.	0.081	2987.	0.034
1488.	0.075	2988.	0.054
1489.	0.081	2989.	0.046
1490.	0.079	2990.	0.045
1491.	0.087	2991.	0.044
1492.	0.089	2992.	0.049
1493.	0.075	2993.	0.05
1494.	0.082	2994.	0.055
1495.	0.085	2995.	0.054
1496.	0.087	2996.	0.048
1497.	0.092	2997.	0.046
1498.	0.079	2998.	0.063
1499.	0.074	2999.	0.033
1500.	0.069	3000.	0.057

SOLUTION

Slug Test
Aquifer Model: Confined

Solution Method: KGS Model

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
Kr	0.0001434	cm/sec
Ss	0.08898	ft^{-1}
Kz/Kr	1.	

T = K*b = 0.02622 cm^2/sec

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analyses
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matching.
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve fit.
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 3000
Range of time readings in obs. well(s): 1 to 3000 sec
Range of displacement readings in obs. well(s): 0.033 to 1.662 ft

Data Set: C:\Users\aevans\Desktop\gINT - Remote\Muskogee LF\Slug Test Reports\PWCG-2\PWCG-2.aqt
Date: 04/27/23
Time: 17:59:00

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Date: 11/17/22
Test Well: PWCG-2

AQUIFER DATA

Saturated Thickness: 6. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: PWCG-2

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.662 ft
Static Water Column Height: 38. ft
Casing Radius: 0.083 ft
Well Radius: 0.083 ft
Well Skin Radius: 1. ft
Screen Length: 10. ft
Total Well Penetration Depth: 36.3 ft

No. of Observations: 3000

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.	1.662	1501.	0.196
2.	1.653	1502.	0.192
3.	1.632	1503.	0.199
4.	1.622	1504.	0.186
5.	1.601	1505.	0.188
6.	1.594	1506.	0.184
7.	1.584	1507.	0.194
8.	1.58	1508.	0.194
9.	1.573	1509.	0.179
10.	1.569	1510.	0.188
11.	1.552	1511.	0.194
12.	1.521	1512.	0.184
13.	1.519	1513.	0.184
14.	1.506	1514.	0.184
15.	1.5	1515.	0.19
16.	1.489	1516.	0.186
17.	1.483	1517.	0.185
18.	1.478	1518.	0.19
19.	1.471	1519.	0.184
20.	1.468	1520.	0.186

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
21.	1.463	1521.	0.181
22.	1.457	1522.	0.184
23.	1.446	1523.	0.186
24.	1.448	1524.	0.18
25.	1.443	1525.	0.18
26.	1.436	1526.	0.194
27.	1.423	1527.	0.184
28.	1.44	1528.	0.18
29.	1.434	1529.	0.182
30.	1.425	1530.	0.188
31.	1.419	1531.	0.178
32.	1.42	1532.	0.188
33.	1.412	1533.	0.192
34.	1.417	1534.	0.174
35.	1.412	1535.	0.178
36.	1.4	1536.	0.182
37.	1.4	1537.	0.178
38.	1.391	1538.	0.174
39.	1.366	1539.	0.174
40.	1.362	1540.	0.188
41.	1.343	1541.	0.179
42.	1.358	1542.	0.182
43.	1.356	1543.	0.188
44.	1.353	1544.	0.18
45.	1.353	1545.	0.184
46.	1.343	1546.	0.18
47.	1.346	1547.	0.176
48.	1.349	1548.	0.172
49.	1.339	1549.	0.172
50.	1.335	1550.	0.18
51.	1.328	1551.	0.184
52.	1.324	1552.	0.182
53.	1.326	1553.	0.174
54.	1.311	1554.	0.181
55.	1.32	1555.	0.176
56.	1.316	1556.	0.176
57.	1.314	1557.	0.18
58.	1.314	1558.	0.188
59.	1.307	1559.	0.176
60.	1.307	1560.	0.169
61.	1.311	1561.	0.177
62.	1.307	1562.	0.181
63.	1.303	1563.	0.18
64.	1.292	1564.	0.18
65.	1.293	1565.	0.192
66.	1.288	1566.	0.18
67.	1.297	1567.	0.179
68.	1.281	1568.	0.171
69.	1.286	1569.	0.18
70.	1.282	1570.	0.184
71.	1.276	1571.	0.178
72.	1.278	1572.	0.176
73.	1.276	1573.	0.169
74.	1.269	1574.	0.172
75.	1.267	1575.	0.182

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
76.	1.263	1576.	0.178
77.	1.267	1577.	0.172
78.	1.261	1578.	0.167
79.	1.253	1579.	0.163
80.	1.25	1580.	0.172
81.	1.251	1581.	0.172
82.	1.248	1582.	0.184
83.	1.244	1583.	0.174
84.	1.245	1584.	0.172
85.	1.239	1585.	0.169
86.	1.232	1586.	0.159
87.	1.237	1587.	0.171
88.	1.232	1588.	0.182
89.	1.226	1589.	0.182
90.	1.23	1590.	0.174
91.	1.23	1591.	0.165
92.	1.221	1592.	0.176
93.	1.213	1593.	0.172
94.	1.219	1594.	0.176
95.	1.212	1595.	0.171
96.	1.22	1596.	0.178
97.	1.209	1597.	0.169
98.	1.21	1598.	0.178
99.	1.204	1599.	0.176
100.	1.201	1600.	0.17
101.	1.201	1601.	0.167
102.	1.209	1602.	0.176
103.	1.199	1603.	0.176
104.	1.201	1604.	0.174
105.	1.204	1605.	0.176
106.	1.191	1606.	0.171
107.	1.184	1607.	0.165
108.	1.185	1608.	0.167
109.	1.184	1609.	0.171
110.	1.188	1610.	0.169
111.	1.178	1611.	0.173
112.	1.182	1612.	0.169
113.	1.174	1613.	0.176
114.	1.169	1614.	0.171
115.	1.174	1615.	0.178
116.	1.163	1616.	0.159
117.	1.163	1617.	0.163
118.	1.163	1618.	0.165
119.	1.157	1619.	0.165
120.	1.164	1620.	0.176
121.	1.163	1621.	0.174
122.	1.153	1622.	0.165
123.	1.157	1623.	0.176
124.	1.149	1624.	0.167
125.	1.149	1625.	0.171
126.	1.144	1626.	0.157
127.	1.151	1627.	0.165
128.	1.14	1628.	0.163
129.	1.146	1629.	0.167
130.	1.13	1630.	0.16

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
131.	1.146	1631.	0.165
132.	1.146	1632.	0.171
133.	1.141	1633.	0.163
134.	1.14	1634.	0.165
135.	1.131	1635.	0.165
136.	1.125	1636.	0.163
137.	1.129	1637.	0.157
138.	1.127	1638.	0.171
139.	1.115	1639.	0.163
140.	1.123	1640.	0.165
141.	1.115	1641.	0.167
142.	1.123	1642.	0.165
143.	1.115	1643.	0.169
144.	1.1	1644.	0.159
145.	1.109	1645.	0.163
146.	1.104	1646.	0.167
147.	1.104	1647.	0.169
148.	1.098	1648.	0.171
149.	1.109	1649.	0.163
150.	1.104	1650.	0.163
151.	1.103	1651.	0.163
152.	1.106	1652.	0.163
153.	1.092	1653.	0.161
154.	1.096	1654.	0.155
155.	1.088	1655.	0.163
156.	1.088	1656.	0.169
157.	1.089	1657.	0.155
158.	1.091	1658.	0.159
159.	1.08	1659.	0.15
160.	1.091	1660.	0.159
161.	1.079	1661.	0.15
162.	1.078	1662.	0.165
163.	1.081	1663.	0.161
164.	1.067	1664.	0.163
165.	1.071	1665.	0.159
166.	1.076	1666.	0.163
167.	1.074	1667.	0.159
168.	1.068	1668.	0.157
169.	1.069	1669.	0.158
170.	1.061	1670.	0.163
171.	1.055	1671.	0.157
172.	1.054	1672.	0.161
173.	1.057	1673.	0.163
174.	1.057	1674.	0.153
175.	1.057	1675.	0.153
176.	1.059	1676.	0.155
177.	1.049	1677.	0.169
178.	1.051	1678.	0.155
179.	1.059	1679.	0.159
180.	1.046	1680.	0.161
181.	1.042	1681.	0.153
182.	1.042	1682.	0.153
183.	1.046	1683.	0.153
184.	1.038	1684.	0.151
185.	1.04	1685.	0.15

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
186.	1.036	1686.	0.159
187.	1.034	1687.	0.15
188.	1.033	1688.	0.153
189.	1.03	1689.	0.151
190.	1.021	1690.	0.157
191.	1.032	1691.	0.15
192.	1.027	1692.	0.159
193.	1.019	1693.	0.165
194.	1.017	1694.	0.153
195.	1.027	1695.	0.151
196.	1.019	1696.	0.153
197.	1.019	1697.	0.151
198.	1.017	1698.	0.146
199.	1.013	1699.	0.148
200.	1.013	1700.	0.155
201.	1.017	1701.	0.14
202.	1.015	1702.	0.156
203.	1.009	1703.	0.152
204.	1.007	1704.	0.146
205.	1.001	1705.	0.142
206.	1.004	1706.	0.148
207.	0.994	1707.	0.153
208.	0.998	1708.	0.148
209.	0.992	1709.	0.153
210.	0.998	1710.	0.151
211.	0.986	1711.	0.151
212.	0.985	1712.	0.15
213.	0.988	1713.	0.148
214.	0.996	1714.	0.148
215.	0.986	1715.	0.159
216.	0.996	1716.	0.146
217.	0.992	1717.	0.153
218.	0.988	1718.	0.151
219.	0.977	1719.	0.145
220.	0.985	1720.	0.142
221.	0.978	1721.	0.14
222.	0.97	1722.	0.153
223.	0.965	1723.	0.154
224.	0.96	1724.	0.148
225.	0.969	1725.	0.138
226.	0.966	1726.	0.145
227.	0.965	1727.	0.142
228.	0.971	1728.	0.148
229.	0.96	1729.	0.14
230.	0.952	1730.	0.148
231.	0.965	1731.	0.148
232.	0.966	1732.	0.157
233.	0.968	1733.	0.147
234.	0.961	1734.	0.151
235.	0.959	1735.	0.148
236.	0.948	1736.	0.15
237.	0.952	1737.	0.152
238.	0.951	1738.	0.153
239.	0.953	1739.	0.142
240.	0.949	1740.	0.148

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
241.	0.944	1741.	0.144
242.	0.959	1742.	0.146
243.	0.946	1743.	0.138
244.	0.946	1744.	0.146
245.	0.939	1745.	0.144
246.	0.938	1746.	0.144
247.	0.952	1747.	0.144
248.	0.947	1748.	0.146
249.	0.944	1749.	0.148
250.	0.939	1750.	0.148
251.	0.94	1751.	0.15
252.	0.924	1752.	0.15
253.	0.94	1753.	0.138
254.	0.934	1754.	0.144
255.	0.928	1755.	0.144
256.	0.94	1756.	0.144
257.	0.92	1757.	0.155
258.	0.932	1758.	0.146
259.	0.923	1759.	0.136
260.	0.924	1760.	0.14
261.	0.913	1761.	0.144
262.	0.914	1762.	0.146
263.	0.926	1763.	0.142
264.	0.914	1764.	0.142
265.	0.917	1765.	0.145
266.	0.912	1766.	0.136
267.	0.909	1767.	0.136
268.	0.915	1768.	0.14
269.	0.909	1769.	0.14
270.	0.909	1770.	0.14
271.	0.906	1771.	0.153
272.	0.902	1772.	0.144
273.	0.891	1773.	0.14
274.	0.901	1774.	0.144
275.	0.902	1775.	0.142
276.	0.906	1776.	0.138
277.	0.896	1777.	0.144
278.	0.903	1778.	0.136
279.	0.905	1779.	0.132
280.	0.888	1780.	0.136
281.	0.888	1781.	0.132
282.	0.894	1782.	0.136
283.	0.894	1783.	0.134
284.	0.893	1784.	0.136
285.	0.894	1785.	0.139
286.	0.879	1786.	0.132
287.	0.881	1787.	0.136
288.	0.88	1788.	0.137
289.	0.884	1789.	0.139
290.	0.884	1790.	0.145
291.	0.879	1791.	0.132
292.	0.878	1792.	0.132
293.	0.881	1793.	0.13
294.	0.879	1794.	0.142
295.	0.884	1795.	0.14

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
296.	0.867	1796.	0.138
297.	0.873	1797.	0.132
298.	0.875	1798.	0.14
299.	0.865	1799.	0.136
300.	0.865	1800.	0.125
301.	0.871	1801.	0.132
302.	0.858	1802.	0.144
303.	0.865	1803.	0.134
304.	0.862	1804.	0.132
305.	0.869	1805.	0.136
306.	0.863	1806.	0.14
307.	0.858	1807.	0.129
308.	0.852	1808.	0.125
309.	0.858	1809.	0.125
310.	0.852	1810.	0.135
311.	0.848	1811.	0.129
312.	0.858	1812.	0.138
313.	0.856	1813.	0.129
314.	0.846	1814.	0.132
315.	0.848	1815.	0.132
316.	0.843	1816.	0.13
317.	0.85	1817.	0.125
318.	0.844	1818.	0.13
319.	0.837	1819.	0.13
320.	0.844	1820.	0.125
321.	0.842	1821.	0.132
322.	0.835	1822.	0.129
323.	0.837	1823.	0.129
324.	0.837	1824.	0.13
325.	0.835	1825.	0.13
326.	0.837	1826.	0.125
327.	0.837	1827.	0.132
328.	0.835	1828.	0.13
329.	0.833	1829.	0.115
330.	0.833	1830.	0.13
331.	0.829	1831.	0.132
332.	0.826	1832.	0.13
333.	0.831	1833.	0.127
334.	0.821	1834.	0.13
335.	0.833	1835.	0.127
336.	0.818	1836.	0.127
337.	0.82	1837.	0.125
338.	0.82	1838.	0.134
339.	0.82	1839.	0.125
340.	0.818	1840.	0.134
341.	0.818	1841.	0.136
342.	0.81	1842.	0.13
343.	0.808	1843.	0.127
344.	0.818	1844.	0.135
345.	0.806	1845.	0.127
346.	0.799	1846.	0.13
347.	0.806	1847.	0.125
348.	0.806	1848.	0.13
349.	0.801	1849.	0.12
350.	0.799	1850.	0.127

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
351.	0.808	1851.	0.123
352.	0.8	1852.	0.123
353.	0.801	1853.	0.121
354.	0.791	1854.	0.132
355.	0.8	1855.	0.13
356.	0.8	1856.	0.132
357.	0.795	1857.	0.127
358.	0.802	1858.	0.133
359.	0.791	1859.	0.119
360.	0.793	1860.	0.132
361.	0.793	1861.	0.117
362.	0.788	1862.	0.136
363.	0.787	1863.	0.13
364.	0.788	1864.	0.124
365.	0.791	1865.	0.123
366.	0.786	1866.	0.123
367.	0.784	1867.	0.121
368.	0.782	1868.	0.123
369.	0.791	1869.	0.125
370.	0.781	1870.	0.119
371.	0.784	1871.	0.123
372.	0.781	1872.	0.129
373.	0.782	1873.	0.127
374.	0.779	1874.	0.121
375.	0.782	1875.	0.125
376.	0.781	1876.	0.125
377.	0.775	1877.	0.119
378.	0.773	1878.	0.124
379.	0.77	1879.	0.132
380.	0.777	1880.	0.125
381.	0.771	1881.	0.125
382.	0.779	1882.	0.119
383.	0.771	1883.	0.123
384.	0.764	1884.	0.119
385.	0.765	1885.	0.132
386.	0.758	1886.	0.119
387.	0.777	1887.	0.121
388.	0.764	1888.	0.124
389.	0.76	1889.	0.127
390.	0.764	1890.	0.121
391.	0.763	1891.	0.13
392.	0.759	1892.	0.117
393.	0.753	1893.	0.117
394.	0.758	1894.	0.123
395.	0.758	1895.	0.121
396.	0.756	1896.	0.121
397.	0.752	1897.	0.119
398.	0.759	1898.	0.115
399.	0.752	1899.	0.127
400.	0.748	1900.	0.125
401.	0.754	1901.	0.123
402.	0.738	1902.	0.115
403.	0.746	1903.	0.121
404.	0.746	1904.	0.113
405.	0.746	1905.	0.117

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
406.	0.75	1906.	0.121
407.	0.738	1907.	0.119
408.	0.74	1908.	0.113
409.	0.748	1909.	0.123
410.	0.739	1910.	0.121
411.	0.74	1911.	0.117
412.	0.733	1912.	0.115
413.	0.742	1913.	0.115
414.	0.742	1914.	0.121
415.	0.732	1915.	0.117
416.	0.735	1916.	0.121
417.	0.731	1917.	0.115
418.	0.731	1918.	0.117
419.	0.727	1919.	0.119
420.	0.721	1920.	0.117
421.	0.738	1921.	0.123
422.	0.731	1922.	0.109
423.	0.721	1923.	0.121
424.	0.729	1924.	0.115
425.	0.728	1925.	0.109
426.	0.719	1926.	0.111
427.	0.721	1927.	0.13
428.	0.725	1928.	0.111
429.	0.717	1929.	0.117
430.	0.716	1930.	0.112
431.	0.717	1931.	0.113
432.	0.717	1932.	0.117
433.	0.719	1933.	0.121
434.	0.714	1934.	0.118
435.	0.71	1935.	0.119
436.	0.702	1936.	0.109
437.	0.714	1937.	0.117
438.	0.712	1938.	0.121
439.	0.71	1939.	0.115
440.	0.704	1940.	0.115
441.	0.709	1941.	0.113
442.	0.708	1942.	0.109
443.	0.704	1943.	0.115
444.	0.704	1944.	0.113
445.	0.7	1945.	0.111
446.	0.7	1946.	0.119
447.	0.708	1947.	0.108
448.	0.7	1948.	0.103
449.	0.704	1949.	0.11
450.	0.687	1950.	0.111
451.	0.7	1951.	0.112
452.	0.698	1952.	0.117
453.	0.685	1953.	0.113
454.	0.687	1954.	0.109
455.	0.687	1955.	0.104
456.	0.693	1956.	0.106
457.	0.687	1957.	0.111
458.	0.687	1958.	0.113
459.	0.689	1959.	0.109
460.	0.679	1960.	0.113

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
461.	0.691	1961.	0.112
462.	0.685	1962.	0.109
463.	0.685	1963.	0.11
464.	0.689	1964.	0.107
465.	0.693	1965.	0.113
466.	0.683	1966.	0.113
467.	0.689	1967.	0.119
468.	0.685	1968.	0.117
469.	0.685	1969.	0.111
470.	0.677	1970.	0.111
471.	0.674	1971.	0.119
472.	0.668	1972.	0.108
473.	0.676	1973.	0.108
474.	0.668	1974.	0.115
475.	0.672	1975.	0.118
476.	0.676	1976.	0.114
477.	0.672	1977.	0.108
478.	0.67	1978.	0.104
479.	0.681	1979.	0.115
480.	0.67	1980.	0.109
481.	0.668	1981.	0.104
482.	0.666	1982.	0.112
483.	0.664	1983.	0.098
484.	0.666	1984.	0.111
485.	0.668	1985.	0.102
486.	0.666	1986.	0.115
487.	0.664	1987.	0.108
488.	0.668	1988.	0.111
489.	0.666	1989.	0.109
490.	0.668	1990.	0.111
491.	0.662	1991.	0.106
492.	0.66	1992.	0.104
493.	0.666	1993.	0.111
494.	0.655	1994.	0.104
495.	0.656	1995.	0.101
496.	0.658	1996.	0.111
497.	0.658	1997.	0.109
498.	0.658	1998.	0.107
499.	0.664	1999.	0.109
500.	0.651	2000.	0.102
501.	0.653	2001.	0.1
502.	0.656	2002.	0.103
503.	0.655	2003.	0.108
504.	0.649	2004.	0.106
505.	0.656	2005.	0.109
506.	0.647	2006.	0.098
507.	0.649	2007.	0.107
508.	0.647	2008.	0.109
509.	0.637	2009.	0.104
510.	0.645	2010.	0.106
511.	0.645	2011.	0.1
512.	0.639	2012.	0.096
513.	0.637	2013.	0.104
514.	0.643	2014.	0.106
515.	0.637	2015.	0.096

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
516.	0.645	2016.	0.109
517.	0.635	2017.	0.098
518.	0.637	2018.	0.105
519.	0.635	2019.	0.1
520.	0.634	2020.	0.104
521.	0.634	2021.	0.106
522.	0.63	2022.	0.104
523.	0.641	2023.	0.096
524.	0.63	2024.	0.101
525.	0.622	2025.	0.096
526.	0.616	2026.	0.094
527.	0.628	2027.	0.102
528.	0.628	2028.	0.108
529.	0.618	2029.	0.095
530.	0.622	2030.	0.098
531.	0.628	2031.	0.098
532.	0.62	2032.	0.103
533.	0.624	2033.	0.101
534.	0.622	2034.	0.096
535.	0.622	2035.	0.096
536.	0.611	2036.	0.106
537.	0.622	2037.	0.102
538.	0.618	2038.	0.092
539.	0.614	2039.	0.105
540.	0.616	2040.	0.098
541.	0.62	2041.	0.094
542.	0.622	2042.	0.098
543.	0.616	2043.	0.095
544.	0.61	2044.	0.1
545.	0.616	2045.	0.108
546.	0.611	2046.	0.101
547.	0.607	2047.	0.104
548.	0.614	2048.	0.1
549.	0.614	2049.	0.102
550.	0.613	2050.	0.098
551.	0.61	2051.	0.098
552.	0.602	2052.	0.1
553.	0.611	2053.	0.104
554.	0.609	2054.	0.096
555.	0.605	2055.	0.106
556.	0.601	2056.	0.106
557.	0.615	2057.	0.102
558.	0.603	2058.	0.092
559.	0.597	2059.	0.098
560.	0.614	2060.	0.1
561.	0.599	2061.	0.1
562.	0.607	2062.	0.104
563.	0.605	2063.	0.106
564.	0.605	2064.	0.091
565.	0.599	2065.	0.1
566.	0.605	2066.	0.088
567.	0.595	2067.	0.1
568.	0.593	2068.	0.1
569.	0.593	2069.	0.094
570.	0.599	2070.	0.098

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
571.	0.593	2071.	0.096
572.	0.592	2072.	0.094
573.	0.596	2073.	0.106
574.	0.587	2074.	0.096
575.	0.592	2075.	0.1
576.	0.588	2076.	0.096
577.	0.588	2077.	0.088
578.	0.582	2078.	0.095
579.	0.58	2079.	0.098
580.	0.58	2080.	0.092
581.	0.584	2081.	0.09
582.	0.583	2082.	0.085
583.	0.571	2083.	0.094
584.	0.574	2084.	0.098
585.	0.578	2085.	0.096
586.	0.583	2086.	0.094
587.	0.578	2087.	0.094
588.	0.576	2088.	0.094
589.	0.578	2089.	0.088
590.	0.586	2090.	0.094
591.	0.571	2091.	0.094
592.	0.574	2092.	0.088
593.	0.574	2093.	0.091
594.	0.58	2094.	0.088
595.	0.576	2095.	0.097
596.	0.571	2096.	0.102
597.	0.571	2097.	0.096
598.	0.573	2098.	0.085
599.	0.58	2099.	0.1
600.	0.569	2100.	0.094
601.	0.569	2101.	0.096
602.	0.565	2102.	0.088
603.	0.567	2103.	0.096
604.	0.573	2104.	0.099
605.	0.563	2105.	0.087
606.	0.574	2106.	0.094
607.	0.569	2107.	0.09
608.	0.567	2108.	0.093
609.	0.567	2109.	0.086
610.	0.565	2110.	0.098
611.	0.563	2111.	0.09
612.	0.572	2112.	0.09
613.	0.565	2113.	0.096
614.	0.56	2114.	0.087
615.	0.565	2115.	0.085
616.	0.559	2116.	0.094
617.	0.564	2117.	0.093
618.	0.557	2118.	0.09
619.	0.557	2119.	0.081
620.	0.555	2120.	0.088
621.	0.563	2121.	0.092
622.	0.552	2122.	0.09
623.	0.558	2123.	0.088
624.	0.556	2124.	0.088
625.	0.552	2125.	0.096

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
626.	0.554	2126.	0.087
627.	0.549	2127.	0.096
628.	0.542	2128.	0.1
629.	0.548	2129.	0.086
630.	0.547	2130.	0.094
631.	0.538	2131.	0.092
632.	0.548	2132.	0.088
633.	0.55	2133.	0.094
634.	0.558	2134.	0.085
635.	0.548	2135.	0.083
636.	0.542	2136.	0.085
637.	0.546	2137.	0.092
638.	0.539	2138.	0.09
639.	0.535	2139.	0.081
640.	0.543	2140.	0.09
641.	0.545	2141.	0.088
642.	0.539	2142.	0.087
643.	0.552	2143.	0.079
644.	0.545	2144.	0.079
645.	0.543	2145.	0.091
646.	0.532	2146.	0.088
647.	0.534	2147.	0.085
648.	0.53	2148.	0.087
649.	0.541	2149.	0.09
650.	0.533	2150.	0.085
651.	0.53	2151.	0.087
652.	0.534	2152.	0.085
653.	0.526	2153.	0.081
654.	0.524	2154.	0.088
655.	0.534	2155.	0.087
656.	0.532	2156.	0.092
657.	0.525	2157.	0.09
658.	0.527	2158.	0.085
659.	0.538	2159.	0.085
660.	0.531	2160.	0.077
661.	0.533	2161.	0.085
662.	0.533	2162.	0.098
663.	0.521	2163.	0.1
664.	0.528	2164.	0.085
665.	0.526	2165.	0.088
666.	0.524	2166.	0.09
667.	0.537	2167.	0.085
668.	0.531	2168.	0.086
669.	0.524	2169.	0.083
670.	0.516	2170.	0.087
671.	0.525	2171.	0.081
672.	0.527	2172.	0.079
673.	0.516	2173.	0.081
674.	0.528	2174.	0.077
675.	0.513	2175.	0.083
676.	0.509	2176.	0.091
677.	0.52	2177.	0.082
678.	0.514	2178.	0.088
679.	0.518	2179.	0.084
680.	0.51	2180.	0.087

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
681.	0.515	2181.	0.088
682.	0.514	2182.	0.073
683.	0.507	2183.	0.09
684.	0.511	2184.	0.085
685.	0.509	2185.	0.079
686.	0.509	2186.	0.09
687.	0.514	2187.	0.087
688.	0.51	2188.	0.083
689.	0.512	2189.	0.077
690.	0.509	2190.	0.076
691.	0.509	2191.	0.085
692.	0.51	2192.	0.076
693.	0.507	2193.	0.083
694.	0.509	2194.	0.085
695.	0.517	2195.	0.073
696.	0.498	2196.	0.077
697.	0.507	2197.	0.094
698.	0.509	2198.	0.083
699.	0.51	2199.	0.078
700.	0.501	2200.	0.081
701.	0.501	2201.	0.075
702.	0.502	2202.	0.079
703.	0.498	2203.	0.079
704.	0.497	2204.	0.075
705.	0.486	2205.	0.087
706.	0.499	2206.	0.074
707.	0.493	2207.	0.079
708.	0.497	2208.	0.079
709.	0.499	2209.	0.073
710.	0.488	2210.	0.088
711.	0.497	2211.	0.079
712.	0.499	2212.	0.075
713.	0.497	2213.	0.081
714.	0.491	2214.	0.09
715.	0.483	2215.	0.088
716.	0.495	2216.	0.088
717.	0.501	2217.	0.083
718.	0.491	2218.	0.075
719.	0.495	2219.	0.073
720.	0.495	2220.	0.083
721.	0.486	2221.	0.087
722.	0.491	2222.	0.083
723.	0.484	2223.	0.077
724.	0.493	2224.	0.077
725.	0.483	2225.	0.081
726.	0.489	2226.	0.081
727.	0.486	2227.	0.08
728.	0.488	2228.	0.071
729.	0.488	2229.	0.077
730.	0.478	2230.	0.079
731.	0.489	2231.	0.08
732.	0.488	2232.	0.073
733.	0.484	2233.	0.078
734.	0.489	2234.	0.077
735.	0.482	2235.	0.077

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
736.	0.484	2236.	0.077
737.	0.482	2237.	0.069
738.	0.482	2238.	0.079
739.	0.482	2239.	0.071
740.	0.486	2240.	0.083
741.	0.48	2241.	0.079
742.	0.474	2242.	0.079
743.	0.472	2243.	0.067
744.	0.478	2244.	0.075
745.	0.476	2245.	0.087
746.	0.467	2246.	0.062
747.	0.469	2247.	0.072
748.	0.475	2248.	0.077
749.	0.465	2249.	0.071
750.	0.472	2250.	0.073
751.	0.474	2251.	0.079
752.	0.472	2252.	0.073
753.	0.468	2253.	0.073
754.	0.476	2254.	0.077
755.	0.468	2255.	0.072
756.	0.474	2256.	0.071
757.	0.47	2257.	0.082
758.	0.467	2258.	0.075
759.	0.463	2259.	0.076
760.	0.476	2260.	0.085
761.	0.468	2261.	0.079
762.	0.459	2262.	0.066
763.	0.463	2263.	0.074
764.	0.468	2264.	0.085
765.	0.463	2265.	0.073
766.	0.463	2266.	0.071
767.	0.463	2267.	0.073
768.	0.465	2268.	0.072
769.	0.451	2269.	0.071
770.	0.461	2270.	0.071
771.	0.459	2271.	0.077
772.	0.455	2272.	0.074
773.	0.452	2273.	0.075
774.	0.449	2274.	0.075
775.	0.457	2275.	0.077
776.	0.457	2276.	0.079
777.	0.459	2277.	0.067
778.	0.446	2278.	0.071
779.	0.453	2279.	0.077
780.	0.446	2280.	0.081
781.	0.453	2281.	0.073
782.	0.461	2282.	0.066
783.	0.459	2283.	0.068
784.	0.457	2284.	0.075
785.	0.451	2285.	0.073
786.	0.451	2286.	0.074
787.	0.455	2287.	0.07
788.	0.444	2288.	0.073
789.	0.451	2289.	0.083
790.	0.457	2290.	0.072

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
791.	0.447	2291.	0.079
792.	0.446	2292.	0.064
793.	0.447	2293.	0.078
794.	0.442	2294.	0.06
795.	0.444	2295.	0.061
796.	0.447	2296.	0.067
797.	0.451	2297.	0.068
798.	0.436	2298.	0.069
799.	0.447	2299.	0.064
800.	0.442	2300.	0.072
801.	0.446	2301.	0.079
802.	0.43	2302.	0.067
803.	0.442	2303.	0.072
804.	0.438	2304.	0.068
805.	0.444	2305.	0.073
806.	0.446	2306.	0.067
807.	0.43	2307.	0.058
808.	0.432	2308.	0.069
809.	0.434	2309.	0.072
810.	0.442	2310.	0.073
811.	0.434	2311.	0.067
812.	0.434	2312.	0.074
813.	0.428	2313.	0.074
814.	0.432	2314.	0.069
815.	0.43	2315.	0.066
816.	0.419	2316.	0.071
817.	0.428	2317.	0.071
818.	0.434	2318.	0.073
819.	0.432	2319.	0.071
820.	0.44	2320.	0.07
821.	0.426	2321.	0.067
822.	0.436	2322.	0.077
823.	0.438	2323.	0.08
824.	0.434	2324.	0.071
825.	0.428	2325.	0.071
826.	0.417	2326.	0.064
827.	0.423	2327.	0.069
828.	0.432	2328.	0.062
829.	0.415	2329.	0.071
830.	0.425	2330.	0.062
831.	0.428	2331.	0.067
832.	0.423	2332.	0.071
833.	0.419	2333.	0.084
834.	0.432	2334.	0.061
835.	0.417	2335.	0.061
836.	0.418	2336.	0.064
837.	0.421	2337.	0.067
838.	0.419	2338.	0.066
839.	0.432	2339.	0.065
840.	0.428	2340.	0.067
841.	0.423	2341.	0.072
842.	0.417	2342.	0.07
843.	0.421	2343.	0.06
844.	0.43	2344.	0.072
845.	0.417	2345.	0.062

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
846.	0.417	2346.	0.067
847.	0.421	2347.	0.065
848.	0.415	2348.	0.06
849.	0.425	2349.	0.06
850.	0.411	2350.	0.067
851.	0.425	2351.	0.07
852.	0.415	2352.	0.066
853.	0.417	2353.	0.066
854.	0.415	2354.	0.059
855.	0.411	2355.	0.062
856.	0.409	2356.	0.062
857.	0.409	2357.	0.066
858.	0.423	2358.	0.064
859.	0.413	2359.	0.069
860.	0.411	2360.	0.069
861.	0.413	2361.	0.069
862.	0.402	2362.	0.066
863.	0.419	2363.	0.065
864.	0.402	2364.	0.064
865.	0.4	2365.	0.071
866.	0.407	2366.	0.069
867.	0.404	2367.	0.062
868.	0.417	2368.	0.064
869.	0.411	2369.	0.069
870.	0.413	2370.	0.069
871.	0.405	2371.	0.067
872.	0.398	2372.	0.07
873.	0.407	2373.	0.059
874.	0.409	2374.	0.063
875.	0.407	2375.	0.062
876.	0.404	2376.	0.066
877.	0.404	2377.	0.062
878.	0.4	2378.	0.072
879.	0.405	2379.	0.064
880.	0.398	2380.	0.063
881.	0.398	2381.	0.065
882.	0.396	2382.	0.058
883.	0.398	2383.	0.062
884.	0.394	2384.	0.069
885.	0.398	2385.	0.062
886.	0.398	2386.	0.069
887.	0.396	2387.	0.073
888.	0.402	2388.	0.059
889.	0.388	2389.	0.06
890.	0.386	2390.	0.066
891.	0.394	2391.	0.066
892.	0.396	2392.	0.072
893.	0.388	2393.	0.066
894.	0.394	2394.	0.063
895.	0.392	2395.	0.067
896.	0.394	2396.	0.058
897.	0.39	2397.	0.065
898.	0.383	2398.	0.056
899.	0.386	2399.	0.062
900.	0.396	2400.	0.065

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
901.	0.394	2401.	0.061
902.	0.386	2402.	0.064
903.	0.384	2403.	0.056
904.	0.383	2404.	0.07
905.	0.386	2405.	0.058
906.	0.394	2406.	0.056
907.	0.39	2407.	0.06
908.	0.388	2408.	0.059
909.	0.394	2409.	0.06
910.	0.375	2410.	0.056
911.	0.39	2411.	0.062
912.	0.386	2412.	0.058
913.	0.379	2413.	0.059
914.	0.381	2414.	0.062
915.	0.384	2415.	0.053
916.	0.379	2416.	0.065
917.	0.383	2417.	0.064
918.	0.375	2418.	0.058
919.	0.381	2419.	0.048
920.	0.379	2420.	0.056
921.	0.379	2421.	0.056
922.	0.375	2422.	0.064
923.	0.388	2423.	0.058
924.	0.375	2424.	0.066
925.	0.373	2425.	0.06
926.	0.379	2426.	0.063
927.	0.379	2427.	0.054
928.	0.379	2428.	0.066
929.	0.381	2429.	0.05
930.	0.373	2430.	0.06
931.	0.377	2431.	0.058
932.	0.375	2432.	0.063
933.	0.371	2433.	0.05
934.	0.377	2434.	0.062
935.	0.373	2435.	0.055
936.	0.367	2436.	0.059
937.	0.369	2437.	0.052
938.	0.379	2438.	0.05
939.	0.373	2439.	0.06
940.	0.367	2440.	0.059
941.	0.367	2441.	0.066
942.	0.367	2442.	0.052
943.	0.365	2443.	0.062
944.	0.373	2444.	0.057
945.	0.362	2445.	0.06
946.	0.363	2446.	0.052
947.	0.371	2447.	0.064
948.	0.362	2448.	0.062
949.	0.36	2449.	0.062
950.	0.362	2450.	0.056
951.	0.363	2451.	0.052
952.	0.356	2452.	0.052
953.	0.358	2453.	0.06
954.	0.36	2454.	0.052
955.	0.358	2455.	0.063

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
956.	0.36	2456.	0.052
957.	0.356	2457.	0.05
958.	0.358	2458.	0.055
959.	0.36	2459.	0.058
960.	0.36	2460.	0.056
961.	0.367	2461.	0.058
962.	0.362	2462.	0.052
963.	0.356	2463.	0.058
964.	0.358	2464.	0.058
965.	0.363	2465.	0.052
966.	0.358	2466.	0.064
967.	0.362	2467.	0.064
968.	0.362	2468.	0.058
969.	0.363	2469.	0.065
970.	0.352	2470.	0.05
971.	0.354	2471.	0.06
972.	0.354	2472.	0.062
973.	0.354	2473.	0.06
974.	0.354	2474.	0.05
975.	0.35	2475.	0.058
976.	0.358	2476.	0.058
977.	0.344	2477.	0.056
978.	0.362	2478.	0.05
979.	0.342	2479.	0.048
980.	0.354	2480.	0.062
981.	0.352	2481.	0.05
982.	0.354	2482.	0.054
983.	0.35	2483.	0.055
984.	0.358	2484.	0.054
985.	0.346	2485.	0.054
986.	0.35	2486.	0.053
987.	0.35	2487.	0.053
988.	0.352	2488.	0.052
989.	0.356	2489.	0.054
990.	0.348	2490.	0.05
991.	0.35	2491.	0.054
992.	0.352	2492.	0.053
993.	0.352	2493.	0.065
994.	0.358	2494.	0.055
995.	0.356	2495.	0.05
996.	0.35	2496.	0.052
997.	0.342	2497.	0.05
998.	0.348	2498.	0.052
999.	0.346	2499.	0.055
1000.	0.344	2500.	0.057
1001.	0.344	2501.	0.048
1002.	0.348	2502.	0.05
1003.	0.346	2503.	0.045
1004.	0.344	2504.	0.05
1005.	0.342	2505.	0.053
1006.	0.344	2506.	0.05
1007.	0.344	2507.	0.048
1008.	0.341	2508.	0.056
1009.	0.344	2509.	0.062
1010.	0.337	2510.	0.05

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1011.	0.348	2511.	0.052
1012.	0.344	2512.	0.057
1013.	0.342	2513.	0.052
1014.	0.346	2514.	0.048
1015.	0.344	2515.	0.056
1016.	0.337	2516.	0.043
1017.	0.344	2517.	0.063
1018.	0.342	2518.	0.056
1019.	0.331	2519.	0.05
1020.	0.342	2520.	0.05
1021.	0.333	2521.	0.056
1022.	0.337	2522.	0.056
1023.	0.335	2523.	0.046
1024.	0.342	2524.	0.057
1025.	0.325	2525.	0.055
1026.	0.333	2526.	0.045
1027.	0.337	2527.	0.049
1028.	0.341	2528.	0.054
1029.	0.329	2529.	0.054
1030.	0.331	2530.	0.045
1031.	0.335	2531.	0.056
1032.	0.331	2532.	0.049
1033.	0.327	2533.	0.053
1034.	0.327	2534.	0.048
1035.	0.321	2535.	0.057
1036.	0.333	2536.	0.048
1037.	0.331	2537.	0.045
1038.	0.329	2538.	0.056
1039.	0.329	2539.	0.053
1040.	0.329	2540.	0.052
1041.	0.331	2541.	0.054
1042.	0.331	2542.	0.059
1043.	0.327	2543.	0.048
1044.	0.331	2544.	0.054
1045.	0.333	2545.	0.055
1046.	0.329	2546.	0.05
1047.	0.329	2547.	0.047
1048.	0.323	2548.	0.046
1049.	0.323	2549.	0.058
1050.	0.331	2550.	0.05
1051.	0.337	2551.	0.052
1052.	0.321	2552.	0.05
1053.	0.325	2553.	0.048
1054.	0.327	2554.	0.045
1055.	0.329	2555.	0.049
1056.	0.321	2556.	0.049
1057.	0.321	2557.	0.043
1058.	0.329	2558.	0.046
1059.	0.327	2559.	0.049
1060.	0.321	2560.	0.05
1061.	0.316	2561.	0.041
1062.	0.325	2562.	0.052
1063.	0.314	2563.	0.046
1064.	0.323	2564.	0.037
1065.	0.325	2565.	0.045

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1066.	0.32	2566.	0.046
1067.	0.323	2567.	0.054
1068.	0.32	2568.	0.046
1069.	0.323	2569.	0.047
1070.	0.323	2570.	0.044
1071.	0.318	2571.	0.043
1072.	0.32	2572.	0.05
1073.	0.321	2573.	0.048
1074.	0.314	2574.	0.041
1075.	0.31	2575.	0.052
1076.	0.316	2576.	0.05
1077.	0.318	2577.	0.048
1078.	0.314	2578.	0.054
1079.	0.323	2579.	0.045
1080.	0.314	2580.	0.038
1081.	0.327	2581.	0.043
1082.	0.32	2582.	0.044
1083.	0.306	2583.	0.043
1084.	0.314	2584.	0.045
1085.	0.312	2585.	0.047
1086.	0.3	2586.	0.046
1087.	0.318	2587.	0.045
1088.	0.316	2588.	0.037
1089.	0.312	2589.	0.044
1090.	0.31	2590.	0.048
1091.	0.308	2591.	0.045
1092.	0.321	2592.	0.045
1093.	0.31	2593.	0.05
1094.	0.306	2594.	0.041
1095.	0.312	2595.	0.045
1096.	0.314	2596.	0.043
1097.	0.316	2597.	0.054
1098.	0.314	2598.	0.045
1099.	0.321	2599.	0.041
1100.	0.31	2600.	0.052
1101.	0.308	2601.	0.049
1102.	0.308	2602.	0.045
1103.	0.31	2603.	0.041
1104.	0.303	2604.	0.045
1105.	0.308	2605.	0.045
1106.	0.308	2606.	0.038
1107.	0.304	2607.	0.039
1108.	0.307	2608.	0.042
1109.	0.31	2609.	0.047
1110.	0.304	2610.	0.048
1111.	0.3	2611.	0.054
1112.	0.306	2612.	0.052
1113.	0.308	2613.	0.039
1114.	0.306	2614.	0.051
1115.	0.306	2615.	0.045
1116.	0.302	2616.	0.05
1117.	0.308	2617.	0.041
1118.	0.297	2618.	0.035
1119.	0.304	2619.	0.045
1120.	0.306	2620.	0.039

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1121.	0.302	2621.	0.052
1122.	0.295	2622.	0.043
1123.	0.304	2623.	0.037
1124.	0.306	2624.	0.045
1125.	0.306	2625.	0.04
1126.	0.291	2626.	0.039
1127.	0.291	2627.	0.027
1128.	0.295	2628.	0.043
1129.	0.299	2629.	0.041
1130.	0.3	2630.	0.041
1131.	0.293	2631.	0.039
1132.	0.293	2632.	0.041
1133.	0.285	2633.	0.039
1134.	0.295	2634.	0.037
1135.	0.306	2635.	0.033
1136.	0.293	2636.	0.044
1137.	0.289	2637.	0.032
1138.	0.299	2638.	0.044
1139.	0.297	2639.	0.047
1140.	0.295	2640.	0.039
1141.	0.285	2641.	0.043
1142.	0.287	2642.	0.039
1143.	0.291	2643.	0.038
1144.	0.299	2644.	0.029
1145.	0.297	2645.	0.047
1146.	0.3	2646.	0.044
1147.	0.299	2647.	0.045
1148.	0.293	2648.	0.035
1149.	0.295	2649.	0.036
1150.	0.299	2650.	0.036
1151.	0.289	2651.	0.049
1152.	0.295	2652.	0.045
1153.	0.289	2653.	0.033
1154.	0.289	2654.	0.043
1155.	0.295	2655.	0.039
1156.	0.291	2656.	0.039
1157.	0.289	2657.	0.048
1158.	0.295	2658.	0.039
1159.	0.291	2659.	0.043
1160.	0.295	2660.	0.041
1161.	0.287	2661.	0.039
1162.	0.285	2662.	0.04
1163.	0.293	2663.	0.049
1164.	0.289	2664.	0.035
1165.	0.291	2665.	0.046
1166.	0.289	2666.	0.037
1167.	0.285	2667.	0.043
1168.	0.289	2668.	0.041
1169.	0.285	2669.	0.042
1170.	0.287	2670.	0.049
1171.	0.278	2671.	0.039
1172.	0.278	2672.	0.037
1173.	0.289	2673.	0.035
1174.	0.289	2674.	0.043
1175.	0.281	2675.	0.044

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1176.	0.283	2676.	0.043
1177.	0.283	2677.	0.033
1178.	0.287	2678.	0.041
1179.	0.287	2679.	0.044
1180.	0.276	2680.	0.042
1181.	0.283	2681.	0.045
1182.	0.283	2682.	0.032
1183.	0.287	2683.	0.031
1184.	0.283	2684.	0.033
1185.	0.279	2685.	0.034
1186.	0.283	2686.	0.031
1187.	0.279	2687.	0.037
1188.	0.279	2688.	0.043
1189.	0.285	2689.	0.043
1190.	0.291	2690.	0.029
1191.	0.279	2691.	0.04
1192.	0.27	2692.	0.039
1193.	0.272	2693.	0.037
1194.	0.272	2694.	0.034
1195.	0.281	2695.	0.045
1196.	0.274	2696.	0.042
1197.	0.272	2697.	0.035
1198.	0.281	2698.	0.036
1199.	0.278	2699.	0.039
1200.	0.27	2700.	0.029
1201.	0.278	2701.	0.025
1202.	0.272	2702.	0.041
1203.	0.274	2703.	0.029
1204.	0.264	2704.	0.031
1205.	0.268	2705.	0.037
1206.	0.276	2706.	0.037
1207.	0.278	2707.	0.043
1208.	0.268	2708.	0.037
1209.	0.276	2709.	0.039
1210.	0.27	2710.	0.033
1211.	0.262	2711.	0.031
1212.	0.272	2712.	0.025
1213.	0.268	2713.	0.033
1214.	0.269	2714.	0.033
1215.	0.278	2715.	0.029
1216.	0.262	2716.	0.035
1217.	0.264	2717.	0.035
1218.	0.266	2718.	0.042
1219.	0.274	2719.	0.03
1220.	0.279	2720.	0.039
1221.	0.274	2721.	0.036
1222.	0.26	2722.	0.035
1223.	0.274	2723.	0.031
1224.	0.264	2724.	0.033
1225.	0.264	2725.	0.033
1226.	0.264	2726.	0.034
1227.	0.264	2727.	0.04
1228.	0.264	2728.	0.037
1229.	0.258	2729.	0.031
1230.	0.264	2730.	0.042

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1231.	0.278	2731.	0.038
1232.	0.258	2732.	0.045
1233.	0.274	2733.	0.033
1234.	0.27	2734.	0.033
1235.	0.264	2735.	0.035
1236.	0.27	2736.	0.033
1237.	0.262	2737.	0.037
1238.	0.251	2738.	0.033
1239.	0.258	2739.	0.033
1240.	0.27	2740.	0.033
1241.	0.251	2741.	0.032
1242.	0.26	2742.	0.035
1243.	0.264	2743.	0.04
1244.	0.262	2744.	0.029
1245.	0.262	2745.	0.038
1246.	0.26	2746.	0.043
1247.	0.265	2747.	0.035
1248.	0.258	2748.	0.031
1249.	0.251	2749.	0.031
1250.	0.249	2750.	0.031
1251.	0.255	2751.	0.043
1252.	0.26	2752.	0.028
1253.	0.26	2753.	0.031
1254.	0.26	2754.	0.039
1255.	0.251	2755.	0.042
1256.	0.26	2756.	0.026
1257.	0.249	2757.	0.039
1258.	0.255	2758.	0.035
1259.	0.258	2759.	0.043
1260.	0.255	2760.	0.039
1261.	0.249	2761.	0.029
1262.	0.245	2762.	0.037
1263.	0.247	2763.	0.037
1264.	0.243	2764.	0.035
1265.	0.251	2765.	0.043
1266.	0.251	2766.	0.036
1267.	0.251	2767.	0.031
1268.	0.249	2768.	0.038
1269.	0.239	2769.	0.029
1270.	0.262	2770.	0.023
1271.	0.251	2771.	0.029
1272.	0.249	2772.	0.035
1273.	0.253	2773.	0.022
1274.	0.245	2774.	0.035
1275.	0.256	2775.	0.024
1276.	0.247	2776.	0.032
1277.	0.255	2777.	0.025
1278.	0.247	2778.	0.038
1279.	0.243	2779.	0.033
1280.	0.251	2780.	0.026
1281.	0.251	2781.	0.042
1282.	0.247	2782.	0.031
1283.	0.253	2783.	0.031
1284.	0.251	2784.	0.031
1285.	0.251	2785.	0.027

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1286.	0.245	2786.	0.035
1287.	0.258	2787.	0.025
1288.	0.247	2788.	0.034
1289.	0.24	2789.	0.033
1290.	0.243	2790.	0.041
1291.	0.254	2791.	0.029
1292.	0.251	2792.	0.033
1293.	0.255	2793.	0.025
1294.	0.249	2794.	0.031
1295.	0.241	2795.	0.02
1296.	0.241	2796.	0.026
1297.	0.241	2797.	0.029
1298.	0.232	2798.	0.036
1299.	0.241	2799.	0.023
1300.	0.247	2800.	0.028
1301.	0.247	2801.	0.032
1302.	0.239	2802.	0.033
1303.	0.241	2803.	0.034
1304.	0.236	2804.	0.029
1305.	0.243	2805.	0.022
1306.	0.239	2806.	0.032
1307.	0.243	2807.	0.029
1308.	0.237	2808.	0.022
1309.	0.236	2809.	0.029
1310.	0.239	2810.	0.033
1311.	0.241	2811.	0.033
1312.	0.236	2812.	0.043
1313.	0.232	2813.	0.033
1314.	0.237	2814.	0.033
1315.	0.237	2815.	0.029
1316.	0.243	2816.	0.02
1317.	0.239	2817.	0.025
1318.	0.237	2818.	0.035
1319.	0.237	2819.	0.025
1320.	0.237	2820.	0.031
1321.	0.236	2821.	0.023
1322.	0.237	2822.	0.025
1323.	0.251	2823.	0.028
1324.	0.237	2824.	0.03
1325.	0.234	2825.	0.03
1326.	0.239	2826.	0.028
1327.	0.236	2827.	0.029
1328.	0.23	2828.	0.025
1329.	0.239	2829.	0.023
1330.	0.232	2830.	0.028
1331.	0.236	2831.	0.025
1332.	0.241	2832.	0.037
1333.	0.226	2833.	0.016
1334.	0.237	2834.	0.028
1335.	0.232	2835.	0.016
1336.	0.224	2836.	0.029
1337.	0.236	2837.	0.029
1338.	0.228	2838.	0.019
1339.	0.228	2839.	0.024
1340.	0.23	2840.	0.023

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1341.	0.234	2841.	0.022
1342.	0.226	2842.	0.014
1343.	0.23	2843.	0.032
1344.	0.222	2844.	0.012
1345.	0.228	2845.	0.032
1346.	0.22	2846.	0.035
1347.	0.226	2847.	0.024
1348.	0.228	2848.	0.027
1349.	0.222	2849.	0.02
1350.	0.232	2850.	0.02
1351.	0.227	2851.	0.014
1352.	0.23	2852.	0.02
1353.	0.224	2853.	0.02
1354.	0.228	2854.	0.024
1355.	0.23	2855.	0.022
1356.	0.225	2856.	0.031
1357.	0.228	2857.	0.018
1358.	0.222	2858.	0.022
1359.	0.223	2859.	0.033
1360.	0.228	2860.	0.027
1361.	0.22	2861.	0.03
1362.	0.224	2862.	0.022
1363.	0.228	2863.	0.035
1364.	0.221	2864.	0.023
1365.	0.222	2865.	0.029
1366.	0.22	2866.	0.02
1367.	0.22	2867.	0.028
1368.	0.23	2868.	0.023
1369.	0.23	2869.	0.028
1370.	0.226	2870.	0.029
1371.	0.23	2871.	0.03
1372.	0.224	2872.	0.025
1373.	0.222	2873.	0.025
1374.	0.228	2874.	0.031
1375.	0.226	2875.	0.029
1376.	0.222	2876.	0.016
1377.	0.224	2877.	0.02
1378.	0.224	2878.	0.018
1379.	0.222	2879.	0.026
1380.	0.234	2880.	0.017
1381.	0.228	2881.	0.023
1382.	0.218	2882.	0.028
1383.	0.218	2883.	0.028
1384.	0.226	2884.	0.031
1385.	0.226	2885.	0.024
1386.	0.218	2886.	0.017
1387.	0.22	2887.	0.02
1388.	0.224	2888.	0.03
1389.	0.218	2889.	0.025
1390.	0.218	2890.	0.025
1391.	0.218	2891.	0.029
1392.	0.22	2892.	0.022
1393.	0.218	2893.	0.035
1394.	0.213	2894.	0.028
1395.	0.231	2895.	0.023

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1396.	0.232	2896.	0.022
1397.	0.216	2897.	0.023
1398.	0.211	2898.	0.018
1399.	0.207	2899.	0.023
1400.	0.213	2900.	0.021
1401.	0.212	2901.	0.019
1402.	0.224	2902.	0.023
1403.	0.218	2903.	0.018
1404.	0.205	2904.	0.023
1405.	0.22	2905.	0.021
1406.	0.218	2906.	0.023
1407.	0.218	2907.	0.036
1408.	0.216	2908.	0.026
1409.	0.215	2909.	0.027
1410.	0.22	2910.	0.033
1411.	0.213	2911.	0.02
1412.	0.216	2912.	0.016
1413.	0.213	2913.	0.02
1414.	0.217	2914.	0.016
1415.	0.207	2915.	0.012
1416.	0.213	2916.	0.022
1417.	0.211	2917.	0.02
1418.	0.211	2918.	0.032
1419.	0.215	2919.	0.022
1420.	0.216	2920.	0.023
1421.	0.209	2921.	0.025
1422.	0.216	2922.	0.023
1423.	0.209	2923.	0.023
1424.	0.209	2924.	0.029
1425.	0.216	2925.	0.027
1426.	0.203	2926.	0.027
1427.	0.199	2927.	0.019
1428.	0.209	2928.	0.02
1429.	0.201	2929.	0.022
1430.	0.205	2930.	0.026
1431.	0.207	2931.	0.026
1432.	0.203	2932.	0.02
1433.	0.205	2933.	0.034
1434.	0.212	2934.	0.016
1435.	0.211	2935.	0.03
1436.	0.211	2936.	0.029
1437.	0.208	2937.	0.024
1438.	0.213	2938.	0.023
1439.	0.195	2939.	0.023
1440.	0.203	2940.	0.022
1441.	0.209	2941.	0.026
1442.	0.209	2942.	0.025
1443.	0.205	2943.	0.02
1444.	0.209	2944.	0.024
1445.	0.207	2945.	0.023
1446.	0.201	2946.	0.02
1447.	0.209	2947.	0.022
1448.	0.205	2948.	0.022
1449.	0.209	2949.	0.035
1450.	0.199	2950.	0.023

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1451.	0.205	2951.	0.021
1452.	0.201	2952.	0.017
1453.	0.195	2953.	0.021
1454.	0.213	2954.	0.02
1455.	0.203	2955.	0.016
1456.	0.197	2956.	0.016
1457.	0.201	2957.	0.02
1458.	0.207	2958.	0.014
1459.	0.209	2959.	0.022
1460.	0.201	2960.	0.014
1461.	0.207	2961.	0.027
1462.	0.207	2962.	0.022
1463.	0.201	2963.	0.016
1464.	0.207	2964.	0.019
1465.	0.205	2965.	0.016
1466.	0.201	2966.	0.023
1467.	0.207	2967.	0.019
1468.	0.195	2968.	0.014
1469.	0.203	2969.	0.011
1470.	0.194	2970.	0.01
1471.	0.201	2971.	0.011
1472.	0.197	2972.	0.022
1473.	0.199	2973.	0.017
1474.	0.199	2974.	0.016
1475.	0.201	2975.	0.017
1476.	0.201	2976.	0.018
1477.	0.19	2977.	0.019
1478.	0.194	2978.	0.01
1479.	0.201	2979.	0.022
1480.	0.207	2980.	0.016
1481.	0.194	2981.	0.012
1482.	0.195	2982.	0.026
1483.	0.199	2983.	0.02
1484.	0.194	2984.	0.027
1485.	0.203	2985.	0.02
1486.	0.188	2986.	0.021
1487.	0.197	2987.	0.016
1488.	0.199	2988.	0.023
1489.	0.19	2989.	0.013
1490.	0.188	2990.	0.021
1491.	0.197	2991.	0.02
1492.	0.194	2992.	0.02
1493.	0.188	2993.	0.018
1494.	0.192	2994.	0.023
1495.	0.194	2995.	0.024
1496.	0.19	2996.	0.023
1497.	0.195	2997.	0.01
1498.	0.194	2998.	0.016
1499.	0.186	2999.	0.014
1500.	0.201	3000.	0.019

SOLUTION

Slug Test
Aquifer Model: Confined

Solution Method: KGS Model

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
Kr	0.0001765	cm/sec
Ss	0.001544	ft^{-1}
Kz/Kr	1.	

T = K*b = 0.03227 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
Kr	0.0001765	5.855E-7	+/- 1.148E-6	301.4	cm/sec
Ss	0.001544	4.007E-5	+/- 7.858E-5	38.53	ft^{-1}
Kz/Kr	1.	not estimated			

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.03227 cm²/sec

Parameter Correlations

	Kr	Ss
Kr	1.00	-0.90
Ss	-0.90	1.00

Residual Statistics

for weighted residuals

Sum of Squares. . . 1.826 ft^2
Variance . . . . . 0.0006091 ft^2
Std. Deviation . . . . . 0.02468 ft
Mean . . . . . -0.007752 ft
No. of Residuals . . 3000
No. of Estimates . . 2

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analyses
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matching.
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve fit.
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 3000
Range of time readings in obs. well(s): 1 to 3000 sec
Range of displacement readings in obs. well(s): 0.01 to 1.662 ft

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analyses
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matching.
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve fit.
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 11729
Range of time readings in obs. well(s): 1 to 11729 sec
Range of displacement readings in obs. well(s): 0.342 to 1.635 ft

Data Set: C:\Users\aevans\Desktop\gINT - Remote\Muskogee LF\Slug Test Reports\PWCG-4\PWCG-4.aqt
Date: 04/27/23
Time: 17:57:10

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Date: 11/17/22
Test Well: PWCG-4

AQUIFER DATA

Saturated Thickness: 4. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: PWCG-4

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.662 ft
Static Water Column Height: 38.6 ft
Casing Radius: 0.083 ft
Well Radius: 0.083 ft
Well Skin Radius: 1. ft
Screen Length: 10. ft
Total Well Penetration Depth: 37. ft

No. of Observations: 7405

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.	1.657	3799.	0.253
2.	1.627	3800.	0.256
3.	1.635	3801.	0.251
99.	1.62	3802.	0.26
100.	1.614	3803.	0.252
101.	1.625	3804.	0.259
102.	1.612	3805.	0.261
103.	1.62	3806.	0.261
104.	1.62	3807.	0.249
105.	1.611	3808.	0.259
106.	1.601	3809.	0.25
107.	1.6	3810.	0.245
108.	1.609	3811.	0.259
109.	1.601	3812.	0.25
110.	1.601	3813.	0.253
111.	1.603	3814.	0.247
112.	1.593	3815.	0.258
113.	1.586	3816.	0.247
114.	1.596	3817.	0.253
115.	1.584	3818.	0.249

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
116.	1.59	3819.	0.257
117.	1.581	3820.	0.257
118.	1.589	3821.	0.246
119.	1.571	3822.	0.251
120.	1.571	3823.	0.252
121.	1.571	3824.	0.253
122.	1.575	3825.	0.251
123.	1.572	3826.	0.249
124.	1.56	3827.	0.251
125.	1.568	3828.	0.257
126.	1.573	3829.	0.246
127.	1.559	3830.	0.244
128.	1.565	3831.	0.242
129.	1.559	3832.	0.246
130.	1.558	3833.	0.246
131.	1.544	3834.	0.24
132.	1.556	3835.	0.248
133.	1.557	3836.	0.245
134.	1.555	3837.	0.255
135.	1.539	3838.	0.249
136.	1.541	3839.	0.242
137.	1.547	3840.	0.245
138.	1.541	3841.	0.244
139.	1.543	3842.	0.247
140.	1.529	3843.	0.257
141.	1.534	3844.	0.251
142.	1.534	3845.	0.244
143.	1.543	3846.	0.251
144.	1.536	3847.	0.246
145.	1.532	3848.	0.251
146.	1.54	3849.	0.236
147.	1.534	3850.	0.255
148.	1.539	3851.	0.253
149.	1.529	3852.	0.243
150.	1.527	3853.	0.254
151.	1.521	3854.	0.253
152.	1.519	3855.	0.247
153.	1.515	3856.	0.253
154.	1.514	3857.	0.249
155.	1.506	3858.	0.242
156.	1.498	3859.	0.244
157.	1.512	3860.	0.24
158.	1.505	3861.	0.247
159.	1.514	3862.	0.246
160.	1.507	3863.	0.245
161.	1.495	3864.	0.251
162.	1.496	3865.	0.246
163.	1.507	3866.	0.249
164.	1.498	3867.	0.244
165.	1.494	3868.	0.247
166.	1.494	3869.	0.243
167.	1.492	3870.	0.244
168.	1.501	3871.	0.242
169.	1.505	3872.	0.246
170.	1.49	3873.	0.254

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
171.	1.492	3874.	0.25
172.	1.503	3875.	0.243
173.	1.497	3876.	0.247
174.	1.487	3877.	0.236
175.	1.486	3878.	0.249
176.	1.487	3879.	0.251
177.	1.486	3880.	0.24
178.	1.485	3881.	0.247
179.	1.486	3882.	0.246
180.	1.484	3883.	0.253
181.	1.485	3884.	0.256
182.	1.482	3885.	0.244
183.	1.474	3886.	0.246
184.	1.487	3887.	0.252
185.	1.487	3888.	0.239
186.	1.481	3889.	0.24
187.	1.475	3890.	0.248
188.	1.47	3891.	0.246
189.	1.459	3892.	0.24
190.	1.472	3893.	0.247
191.	1.465	3894.	0.241
192.	1.463	3895.	0.246
193.	1.463	3896.	0.243
194.	1.467	3897.	0.246
195.	1.471	3898.	0.249
196.	1.461	3899.	0.249
197.	1.459	3900.	0.239
198.	1.454	3901.	0.236
199.	1.469	3902.	0.247
200.	1.454	3903.	0.238
201.	1.457	3904.	0.246
202.	1.454	3905.	0.237
203.	1.455	3906.	0.238
204.	1.454	3907.	0.232
205.	1.444	3908.	0.255
206.	1.452	3909.	0.236
207.	1.448	3910.	0.244
208.	1.452	3911.	0.247
209.	1.452	3912.	0.245
210.	1.441	3913.	0.236
211.	1.439	3914.	0.251
212.	1.443	3915.	0.246
213.	1.444	3916.	0.24
214.	1.437	3917.	0.232
215.	1.433	3918.	0.24
216.	1.441	3919.	0.236
217.	1.433	3920.	0.24
218.	1.435	3921.	0.238
219.	1.429	3922.	0.242
220.	1.437	3923.	0.232
221.	1.433	3924.	0.245
222.	1.433	3925.	0.244
223.	1.429	3926.	0.24
224.	1.424	3927.	0.24
225.	1.431	3928.	0.238

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
226.	1.429	3929.	0.251
227.	1.426	3930.	0.234
228.	1.429	3931.	0.232
229.	1.42	3932.	0.244
230.	1.415	3933.	0.236
231.	1.415	3934.	0.236
232.	1.407	3935.	0.236
233.	1.415	3936.	0.238
234.	1.405	3937.	0.231
235.	1.412	3938.	0.234
236.	1.413	3939.	0.242
237.	1.401	3940.	0.232
238.	1.409	3941.	0.239
239.	1.406	3942.	0.24
240.	1.403	3943.	0.233
241.	1.404	3944.	0.238
242.	1.401	3945.	0.242
243.	1.398	3946.	0.24
244.	1.403	3947.	0.232
245.	1.405	3948.	0.234
246.	1.387	3949.	0.232
247.	1.39	3950.	0.243
248.	1.396	3951.	0.232
249.	1.397	3952.	0.246
250.	1.397	3953.	0.236
251.	1.387	3954.	0.24
252.	1.387	3955.	0.234
253.	1.387	3956.	0.24
254.	1.391	3957.	0.229
255.	1.381	3958.	0.243
256.	1.392	3959.	0.234
257.	1.381	3960.	0.234
258.	1.381	3961.	0.239
259.	1.378	3962.	0.238
260.	1.383	3963.	0.232
261.	1.379	3964.	0.221
262.	1.382	3965.	0.236
263.	1.375	3966.	0.242
264.	1.385	3967.	0.24
265.	1.371	3968.	0.237
266.	1.366	3969.	0.244
267.	1.384	3970.	0.238
268.	1.36	3971.	0.239
269.	1.363	3972.	0.24
270.	1.368	3973.	0.24
271.	1.366	3974.	0.237
272.	1.377	3975.	0.236
273.	1.364	3976.	0.238
274.	1.359	3977.	0.24
275.	1.359	3978.	0.232
276.	1.359	3979.	0.241
277.	1.358	3980.	0.233
278.	1.357	3981.	0.227
279.	1.353	3982.	0.236
280.	1.355	3983.	0.238

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
281.	1.347	3984.	0.23
282.	1.359	3985.	0.231
283.	1.354	3986.	0.233
284.	1.355	3987.	0.231
285.	1.351	3988.	0.232
286.	1.348	3989.	0.24
287.	1.35	3990.	0.236
288.	1.347	3991.	0.232
289.	1.348	3992.	0.233
290.	1.339	3993.	0.231
291.	1.343	3994.	0.236
292.	1.341	3995.	0.225
293.	1.346	3996.	0.231
294.	1.35	3997.	0.24
295.	1.346	3998.	0.244
296.	1.337	3999.	0.235
297.	1.341	4000.	0.23
298.	1.337	4001.	0.244
299.	1.338	4002.	0.23
300.	1.335	4003.	0.23
301.	1.329	4004.	0.236
302.	1.333	4005.	0.228
303.	1.339	4006.	0.24
304.	1.333	4007.	0.236
305.	1.336	4008.	0.231
306.	1.335	4009.	0.232
307.	1.331	4010.	0.233
308.	1.324	4011.	0.225
309.	1.33	4012.	0.231
310.	1.32	4013.	0.232
311.	1.318	4014.	0.232
312.	1.309	4015.	0.229
313.	1.318	4016.	0.232
314.	1.326	4017.	0.228
315.	1.305	4018.	0.23
316.	1.312	4019.	0.227
317.	1.321	4020.	0.236
318.	1.31	4021.	0.231
319.	1.313	4022.	0.231
320.	1.317	4023.	0.229
321.	1.307	4024.	0.235
322.	1.313	4025.	0.23
323.	1.311	4026.	0.226
324.	1.309	4027.	0.234
325.	1.311	4028.	0.229
326.	1.303	4029.	0.232
327.	1.313	4030.	0.221
328.	1.296	4031.	0.23
329.	1.303	4032.	0.232
330.	1.305	4033.	0.229
331.	1.298	4034.	0.234
332.	1.29	4035.	0.236
333.	1.296	4036.	0.229
334.	1.296	4037.	0.225
335.	1.294	4038.	0.234

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
336.	1.298	4039.	0.221
337.	1.29	4040.	0.23
338.	1.284	4041.	0.24
339.	1.292	4042.	0.235
340.	1.287	4043.	0.231
341.	1.294	4044.	0.231
342.	1.285	4045.	0.231
343.	1.288	4046.	0.224
344.	1.289	4047.	0.214
345.	1.288	4048.	0.227
346.	1.285	4049.	0.232
347.	1.285	4050.	0.232
348.	1.285	4051.	0.222
349.	1.293	4052.	0.231
350.	1.28	4053.	0.229
351.	1.289	4054.	0.234
352.	1.274	4055.	0.234
353.	1.274	4056.	0.223
354.	1.274	4057.	0.233
355.	1.272	4058.	0.224
356.	1.277	4059.	0.231
357.	1.273	4060.	0.232
358.	1.273	4061.	0.235
359.	1.27	4062.	0.218
360.	1.281	4063.	0.221
361.	1.272	4064.	0.228
362.	1.269	4065.	0.228
363.	1.27	4066.	0.227
364.	1.262	4067.	0.225
365.	1.27	4068.	0.227
366.	1.27	4069.	0.229
367.	1.261	4070.	0.223
368.	1.27	4071.	0.227
369.	1.261	4072.	0.231
370.	1.262	4073.	0.225
371.	1.246	4074.	0.235
372.	1.261	4075.	0.219
373.	1.251	4076.	0.234
374.	1.261	4077.	0.225
375.	1.251	4078.	0.228
376.	1.253	4079.	0.231
377.	1.251	4080.	0.229
378.	1.249	4081.	0.231
379.	1.244	4082.	0.227
380.	1.24	4083.	0.231
381.	1.251	4084.	0.223
382.	1.247	4085.	0.233
383.	1.242	4086.	0.225
384.	1.247	4087.	0.214
385.	1.242	4088.	0.236
386.	1.236	4089.	0.221
387.	1.238	4090.	0.221
388.	1.246	4091.	0.225
389.	1.244	4092.	0.231
390.	1.238	4093.	0.219

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
391.	1.238	4094.	0.232
392.	1.234	4095.	0.223
393.	1.242	4096.	0.223
394.	1.233	4097.	0.221
395.	1.229	4098.	0.235
396.	1.242	4099.	0.223
397.	1.234	4100.	0.221
398.	1.236	4101.	0.219
399.	1.233	4102.	0.23
400.	1.233	4103.	0.232
401.	1.227	4104.	0.225
402.	1.231	4105.	0.229
403.	1.24	4106.	0.232
404.	1.223	4107.	0.232
405.	1.221	4108.	0.227
406.	1.223	4109.	0.225
407.	1.227	4110.	0.218
408.	1.223	4111.	0.233
409.	1.214	4112.	0.219
410.	1.227	4113.	0.229
411.	1.212	4114.	0.229
412.	1.225	4115.	0.229
413.	1.218	4116.	0.221
414.	1.214	4117.	0.231
415.	1.227	4118.	0.23
416.	1.21	4119.	0.223
417.	1.212	4120.	0.224
418.	1.208	4121.	0.232
419.	1.21	4122.	0.227
420.	1.206	4123.	0.231
421.	1.205	4124.	0.231
422.	1.218	4125.	0.221
423.	1.205	4126.	0.217
424.	1.199	4127.	0.227
425.	1.208	4128.	0.217
426.	1.208	4129.	0.222
427.	1.212	4130.	0.223
428.	1.202	4131.	0.227
429.	1.203	4132.	0.223
430.	1.195	4133.	0.222
431.	1.206	4134.	0.23
432.	1.199	4135.	0.221
433.	1.203	4136.	0.218
434.	1.205	4137.	0.227
435.	1.203	4138.	0.226
436.	1.188	4139.	0.218
437.	1.193	4140.	0.223
438.	1.188	4141.	0.221
439.	1.191	4142.	0.218
440.	1.197	4143.	0.21
441.	1.193	4144.	0.223
442.	1.184	4145.	0.216
443.	1.186	4146.	0.22
444.	1.195	4147.	0.224
445.	1.184	4148.	0.225

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
446.	1.184	4149.	0.216
447.	1.191	4150.	0.227
448.	1.188	4151.	0.219
449.	1.178	4152.	0.232
450.	1.184	4153.	0.214
451.	1.184	4154.	0.226
452.	1.182	4155.	0.229
453.	1.177	4156.	0.232
454.	1.188	4157.	0.223
455.	1.178	4158.	0.232
456.	1.178	4159.	0.227
457.	1.184	4160.	0.219
458.	1.169	4161.	0.216
459.	1.184	4162.	0.219
460.	1.178	4163.	0.221
461.	1.18	4164.	0.221
462.	1.173	4165.	0.225
463.	1.17	4166.	0.219
464.	1.177	4167.	0.218
465.	1.167	4168.	0.218
466.	1.167	4169.	0.218
467.	1.171	4170.	0.218
468.	1.169	4171.	0.215
469.	1.167	4172.	0.231
470.	1.16	4173.	0.22
471.	1.175	4174.	0.22
472.	1.16	4175.	0.223
473.	1.167	4176.	0.225
474.	1.167	4177.	0.221
475.	1.156	4178.	0.218
476.	1.15	4179.	0.214
477.	1.162	4180.	0.206
478.	1.158	4181.	0.214
479.	1.156	4182.	0.218
480.	1.154	4183.	0.223
481.	1.16	4184.	0.22
482.	1.156	4185.	0.219
483.	1.158	4186.	0.218
484.	1.156	4187.	0.224
485.	1.154	4188.	0.221
486.	1.152	4189.	0.223
487.	1.154	4190.	0.221
488.	1.156	4191.	0.231
489.	1.141	4192.	0.227
490.	1.145	4193.	0.218
491.	1.15	4194.	0.221
492.	1.147	4195.	0.219
493.	1.149	4196.	0.22
494.	1.135	4197.	0.221
495.	1.134	4198.	0.227
496.	1.135	4199.	0.218
497.	1.132	4200.	0.22
498.	1.149	4201.	0.219
499.	1.145	4202.	0.213
500.	1.13	4203.	0.217

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
501.	1.138	4204.	0.229
502.	1.134	4205.	0.218
503.	1.134	4206.	0.212
504.	1.128	4207.	0.219
505.	1.135	4208.	0.223
506.	1.132	4209.	0.216
507.	1.136	4210.	0.218
508.	1.126	4211.	0.212
509.	1.13	4212.	0.212
510.	1.135	4213.	0.216
511.	1.124	4214.	0.213
512.	1.132	4215.	0.221
513.	1.126	4216.	0.218
514.	1.126	4217.	0.218
515.	1.135	4218.	0.218
516.	1.128	4219.	0.223
517.	1.122	4220.	0.223
518.	1.117	4221.	0.218
519.	1.122	4222.	0.217
520.	1.121	4223.	0.221
521.	1.107	4224.	0.231
522.	1.109	4225.	0.231
523.	1.13	4226.	0.214
524.	1.111	4227.	0.218
525.	1.128	4228.	0.218
526.	1.121	4229.	0.214
527.	1.122	4230.	0.218
528.	1.119	4231.	0.214
529.	1.114	4232.	0.218
530.	1.111	4233.	0.218
531.	1.109	4234.	0.221
532.	1.115	4235.	0.217
533.	1.115	4236.	0.216
534.	1.103	4237.	0.219
535.	1.109	4238.	0.219
536.	1.119	4239.	0.216
537.	1.107	4240.	0.225
538.	1.111	4241.	0.218
539.	1.106	4242.	0.225
540.	1.102	4243.	0.222
541.	1.115	4244.	0.217
542.	1.104	4245.	0.224
543.	1.094	4246.	0.219
544.	1.109	4247.	0.22
545.	1.098	4248.	0.221
546.	1.096	4249.	0.222
547.	1.107	4250.	0.215
548.	1.098	4251.	0.234
549.	1.101	4252.	0.225
550.	1.096	4253.	0.216
551.	1.1	4254.	0.215
552.	1.098	4255.	0.212
553.	1.094	4256.	0.218
554.	1.102	4257.	0.21
555.	1.093	4258.	0.216

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
556.	1.102	4259.	0.21
557.	1.094	4260.	0.204
558.	1.1	4261.	0.218
559.	1.083	4262.	0.213
560.	1.094	4263.	0.215
561.	1.096	4264.	0.208
562.	1.092	4265.	0.216
563.	1.081	4266.	0.221
564.	1.087	4267.	0.217
565.	1.091	4268.	0.208
566.	1.087	4269.	0.218
567.	1.092	4270.	0.208
568.	1.091	4271.	0.214
569.	1.096	4272.	0.214
570.	1.079	4273.	0.214
571.	1.079	4274.	0.216
572.	1.079	4275.	0.211
573.	1.074	4276.	0.222
574.	1.072	4277.	0.213
575.	1.068	4278.	0.218
576.	1.07	4279.	0.216
577.	1.072	4280.	0.21
578.	1.076	4281.	0.199
579.	1.07	4282.	0.212
580.	1.074	4283.	0.204
581.	1.068	4284.	0.21
582.	1.076	4285.	0.201
583.	1.081	4286.	0.208
584.	1.068	4287.	0.219
585.	1.068	4288.	0.218
586.	1.074	4289.	0.21
587.	1.072	4290.	0.208
588.	1.071	4291.	0.214
589.	1.074	4292.	0.204
590.	1.066	4293.	0.215
591.	1.063	4294.	0.218
592.	1.068	4295.	0.215
593.	1.068	4296.	0.208
594.	1.075	4297.	0.218
595.	1.067	4298.	0.208
596.	1.061	4299.	0.22
597.	1.056	4300.	0.206
598.	1.061	4301.	0.203
599.	1.067	4302.	0.214
600.	1.063	4303.	0.213
601.	1.069	4304.	0.214
602.	1.048	4305.	0.216
603.	1.051	4306.	0.212
604.	1.058	4307.	0.207
605.	1.057	4308.	0.221
606.	1.065	4309.	0.204
607.	1.065	4310.	0.212
608.	1.053	4311.	0.21
609.	1.057	4312.	0.209
610.	1.065	4313.	0.207

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
611.	1.053	4314.	0.212
612.	1.053	4315.	0.208
613.	1.051	4316.	0.206
614.	1.055	4317.	0.203
615.	1.05	4318.	0.205
616.	1.05	4319.	0.206
617.	1.053	4320.	0.212
618.	1.053	4321.	0.205
619.	1.064	4322.	0.216
620.	1.042	4323.	0.218
621.	1.048	4324.	0.205
622.	1.054	4325.	0.202
623.	1.046	4326.	0.204
624.	1.046	4327.	0.211
625.	1.051	4328.	0.212
626.	1.048	4329.	0.223
627.	1.035	4330.	0.209
628.	1.043	4331.	0.208
629.	1.041	4332.	0.214
630.	1.04	4333.	0.212
631.	1.038	4334.	0.214
632.	1.037	4335.	0.207
633.	1.05	4336.	0.211
634.	1.038	4337.	0.225
635.	1.039	4338.	0.216
636.	1.043	4339.	0.203
637.	1.04	4340.	0.213
638.	1.035	4341.	0.206
639.	1.04	4342.	0.206
640.	1.038	4343.	0.218
641.	1.038	4344.	0.211
642.	1.036	4345.	0.202
643.	1.025	4346.	0.21
644.	1.032	4347.	0.215
645.	1.03	4348.	0.216
646.	1.022	4349.	0.21
647.	1.027	4350.	0.214
648.	1.021	4351.	0.204
649.	1.022	4352.	0.203
650.	1.015	4353.	0.21
651.	1.027	4354.	0.203
652.	1.029	4355.	0.206
653.	1.025	4356.	0.213
654.	1.023	4357.	0.202
655.	1.007	4358.	0.203
656.	1.022	4359.	0.216
657.	1.019	4360.	0.207
658.	1.011	4361.	0.21
659.	1.022	4362.	0.209
660.	1.02	4363.	0.204
661.	1.021	4364.	0.212
662.	1.02	4365.	0.21
663.	1.016	4366.	0.204
664.	1.024	4367.	0.204
665.	1.012	4368.	0.206

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
666.	1.011	4369.	0.201
667.	1.012	4370.	0.209
668.	1.019	4371.	0.199
669.	1.003	4372.	0.204
670.	1.009	4373.	0.206
671.	1.009	4374.	0.191
672.	1.016	4375.	0.203
673.	1.009	4376.	0.193
674.	1.012	4377.	0.206
675.	1.009	4378.	0.203
676.	1.009	4379.	0.21
677.	1.	4380.	0.212
678.	1.007	4381.	0.216
679.	0.999	4382.	0.199
680.	1.003	4383.	0.21
681.	1.011	4384.	0.201
682.	0.999	4385.	0.199
683.	0.998	4386.	0.212
684.	0.996	4387.	0.211
685.	1.001	4388.	0.206
686.	1.007	4389.	0.195
687.	1.002	4390.	0.203
688.	0.998	4391.	0.197
689.	1.007	4392.	0.2
690.	1.001	4393.	0.202
691.	0.996	4394.	0.203
692.	0.989	4395.	0.203
693.	0.998	4396.	0.196
694.	0.99	4397.	0.204
695.	0.995	4398.	0.204
696.	0.995	4399.	0.197
697.	0.986	4400.	0.195
698.	0.986	4401.	0.206
699.	0.988	4402.	0.204
700.	0.984	4403.	0.206
701.	0.994	4404.	0.197
702.	0.995	4405.	0.2
703.	0.994	4406.	0.209
704.	0.999	4407.	0.205
705.	0.992	4408.	0.203
706.	0.988	4409.	0.205
707.	0.981	4410.	0.208
708.	0.99	4411.	0.195
709.	0.987	4412.	0.215
710.	1.	4413.	0.204
711.	0.977	4414.	0.199
712.	0.983	4415.	0.206
713.	0.982	4416.	0.194
714.	0.981	4417.	0.208
715.	0.982	4418.	0.21
716.	0.982	4419.	0.203
717.	0.981	4420.	0.197
718.	0.987	4421.	0.203
719.	0.973	4422.	0.208
720.	0.987	4423.	0.203

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
721.	0.975	4424.	0.208
722.	0.976	4425.	0.197
723.	0.974	4426.	0.199
724.	0.973	4427.	0.204
725.	0.969	4428.	0.194
726.	0.971	4429.	0.195
727.	0.97	4430.	0.194
728.	0.988	4431.	0.208
729.	0.972	4432.	0.199
730.	0.973	4433.	0.201
731.	0.97	4434.	0.203
732.	0.975	4435.	0.199
733.	0.969	4436.	0.197
734.	0.968	4437.	0.203
735.	0.962	4438.	0.201
736.	0.965	4439.	0.206
737.	0.966	4440.	0.21
738.	0.962	4441.	0.206
739.	0.966	4442.	0.212
740.	0.964	4443.	0.206
741.	0.96	4444.	0.197
742.	0.955	4445.	0.201
743.	0.958	4446.	0.204
744.	0.945	4447.	0.201
745.	0.959	4448.	0.217
746.	0.967	4449.	0.212
747.	0.953	4450.	0.213
748.	0.962	4451.	0.209
749.	0.96	4452.	0.204
750.	0.957	4453.	0.213
751.	0.96	4454.	0.195
752.	0.949	4455.	0.206
753.	0.961	4456.	0.206
754.	0.954	4457.	0.204
755.	0.958	4458.	0.207
756.	0.966	4459.	0.208
757.	0.953	4460.	0.201
758.	0.954	4461.	0.204
759.	0.95	4462.	0.201
760.	0.951	4463.	0.193
761.	0.955	4464.	0.201
762.	0.949	4465.	0.206
763.	0.952	4466.	0.202
764.	0.953	4467.	0.203
765.	0.95	4468.	0.203
766.	0.953	4469.	0.193
767.	0.956	4470.	0.195
768.	0.945	4471.	0.208
769.	0.947	4472.	0.201
770.	0.951	4473.	0.203
771.	0.938	4474.	0.195
772.	0.949	4475.	0.208
773.	0.939	4476.	0.201
774.	0.954	4477.	0.206
775.	0.935	4478.	0.209

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
776.	0.947	4479.	0.196
777.	0.935	4480.	0.197
778.	0.941	4481.	0.203
779.	0.948	4482.	0.2
780.	0.942	4483.	0.206
781.	0.938	4484.	0.206
782.	0.939	4485.	0.204
783.	0.939	4486.	0.202
784.	0.942	4487.	0.203
785.	0.927	4488.	0.201
786.	0.935	4489.	0.197
787.	0.942	4490.	0.195
788.	0.936	4491.	0.199
789.	0.943	4492.	0.204
790.	0.935	4493.	0.193
791.	0.942	4494.	0.199
792.	0.928	4495.	0.195
793.	0.94	4496.	0.207
794.	0.934	4497.	0.206
795.	0.929	4498.	0.197
796.	0.936	4499.	0.204
797.	0.934	4500.	0.195
798.	0.926	4501.	0.193
799.	0.939	4502.	0.2
800.	0.946	4503.	0.199
801.	0.923	4504.	0.201
802.	0.934	4505.	0.197
803.	0.921	4506.	0.199
804.	0.919	4507.	0.197
805.	0.92	4508.	0.195
806.	0.928	4509.	0.197
807.	0.925	4510.	0.201
808.	0.926	4511.	0.197
809.	0.922	4512.	0.199
810.	0.925	4513.	0.192
811.	0.924	4514.	0.206
812.	0.915	4515.	0.199
813.	0.923	4516.	0.197
814.	0.92	4517.	0.196
815.	0.921	4518.	0.199
816.	0.926	4519.	0.193
817.	0.925	4520.	0.204
818.	0.914	4521.	0.199
819.	0.915	4522.	0.201
820.	0.916	4523.	0.197
821.	0.913	4524.	0.196
822.	0.918	4525.	0.201
823.	0.907	4526.	0.206
824.	0.913	4527.	0.204
825.	0.917	4528.	0.199
826.	0.92	4529.	0.197
827.	0.922	4530.	0.203
828.	0.912	4531.	0.204
829.	0.911	4532.	0.195
830.	0.908	4533.	0.19

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
831.	0.905	4534.	0.203
832.	0.909	4535.	0.195
833.	0.901	4536.	0.195
834.	0.91	4537.	0.194
835.	0.909	4538.	0.193
836.	0.904	4539.	0.193
837.	0.918	4540.	0.199
838.	0.901	4541.	0.199
839.	0.91	4542.	0.188
840.	0.902	4543.	0.193
841.	0.91	4544.	0.195
842.	0.914	4545.	0.194
843.	0.907	4546.	0.199
844.	0.905	4547.	0.199
845.	0.909	4548.	0.195
846.	0.904	4549.	0.204
847.	0.895	4550.	0.197
848.	0.899	4551.	0.191
849.	0.899	4552.	0.199
850.	0.903	4553.	0.191
851.	0.904	4554.	0.195
852.	0.895	4555.	0.203
853.	0.899	4556.	0.201
854.	0.903	4557.	0.203
855.	0.903	4558.	0.201
856.	0.897	4559.	0.195
857.	0.897	4560.	0.202
858.	0.891	4561.	0.199
859.	0.889	4562.	0.193
860.	0.89	4563.	0.201
861.	0.889	4564.	0.191
862.	0.896	4565.	0.203
863.	0.899	4566.	0.193
864.	0.886	4567.	0.203
865.	0.888	4568.	0.193
866.	0.895	4569.	0.199
867.	0.886	4570.	0.203
868.	0.892	4571.	0.208
869.	0.885	4572.	0.197
870.	0.89	4573.	0.203
871.	0.881	4574.	0.19
872.	0.888	4575.	0.199
873.	0.886	4576.	0.191
874.	0.885	4577.	0.197
875.	0.875	4578.	0.188
876.	0.886	4579.	0.201
877.	0.881	4580.	0.191
878.	0.889	4581.	0.196
879.	0.884	4582.	0.195
880.	0.884	4583.	0.201
881.	0.879	4584.	0.191
882.	0.872	4585.	0.193
883.	0.875	4586.	0.201
884.	0.892	4587.	0.193
885.	0.881	4588.	0.197

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
886.	0.882	4589.	0.193
887.	0.87	4590.	0.201
888.	0.869	4591.	0.199
889.	0.87	4592.	0.201
890.	0.871	4593.	0.201
891.	0.875	4594.	0.203
892.	0.866	4595.	0.191
893.	0.876	4596.	0.194
894.	0.873	4597.	0.193
895.	0.875	4598.	0.191
896.	0.876	4599.	0.201
897.	0.875	4600.	0.196
898.	0.864	4601.	0.19
899.	0.87	4602.	0.197
900.	0.869	4603.	0.188
901.	0.869	4604.	0.199
902.	0.86	4605.	0.188
903.	0.87	4606.	0.19
904.	0.869	4607.	0.197
905.	0.873	4608.	0.191
906.	0.863	4609.	0.191
907.	0.875	4610.	0.191
908.	0.869	4611.	0.195
909.	0.86	4612.	0.192
910.	0.854	4613.	0.19
911.	0.862	4614.	0.186
912.	0.859	4615.	0.204
913.	0.855	4616.	0.201
914.	0.864	4617.	0.191
915.	0.858	4618.	0.196
916.	0.862	4619.	0.199
917.	0.864	4620.	0.199
918.	0.862	4621.	0.191
919.	0.864	4622.	0.198
920.	0.858	4623.	0.188
921.	0.862	4624.	0.197
922.	0.848	4625.	0.191
923.	0.86	4626.	0.19
924.	0.853	4627.	0.199
925.	0.851	4628.	0.195
926.	0.855	4629.	0.192
927.	0.853	4630.	0.199
928.	0.84	4631.	0.2
929.	0.856	4632.	0.195
930.	0.851	4633.	0.195
931.	0.858	4634.	0.195
932.	0.849	4635.	0.197
933.	0.848	4636.	0.197
934.	0.851	4637.	0.203
935.	0.849	4638.	0.193
936.	0.843	4639.	0.202
937.	0.849	4640.	0.206
938.	0.851	4641.	0.193
939.	0.845	4642.	0.203
940.	0.854	4643.	0.19

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
941.	0.841	4644.	0.197
942.	0.842	4645.	0.195
943.	0.841	4646.	0.195
944.	0.843	4647.	0.195
945.	0.845	4648.	0.189
946.	0.841	4649.	0.199
947.	0.835	4650.	0.193
948.	0.84	4651.	0.203
949.	0.84	4652.	0.188
950.	0.841	4653.	0.184
951.	0.838	4654.	0.204
952.	0.832	4655.	0.195
953.	0.838	4656.	0.184
954.	0.836	4657.	0.195
955.	0.851	4658.	0.188
956.	0.843	4659.	0.189
957.	0.84	4660.	0.195
958.	0.834	4661.	0.194
959.	0.842	4662.	0.186
960.	0.841	4663.	0.191
961.	0.83	4664.	0.199
962.	0.841	4665.	0.191
963.	0.83	4666.	0.191
964.	0.834	4667.	0.195
965.	0.834	4668.	0.193
966.	0.826	4669.	0.196
967.	0.833	4670.	0.19
968.	0.831	4671.	0.186
969.	0.83	4672.	0.193
970.	0.836	4673.	0.192
971.	0.828	4674.	0.196
972.	0.828	4675.	0.191
973.	0.836	4676.	0.187
974.	0.825	4677.	0.188
975.	0.828	4678.	0.193
976.	0.826	4679.	0.184
977.	0.834	4680.	0.191
978.	0.826	4681.	0.186
979.	0.828	4682.	0.189
980.	0.825	4683.	0.188
981.	0.834	4684.	0.176
982.	0.819	4685.	0.188
983.	0.834	4686.	0.191
984.	0.812	4687.	0.195
985.	0.828	4688.	0.186
986.	0.821	4689.	0.19
987.	0.819	4690.	0.188
988.	0.83	4691.	0.19
989.	0.825	4692.	0.182
990.	0.823	4693.	0.192
991.	0.817	4694.	0.193
992.	0.83	4695.	0.191
993.	0.819	4696.	0.184
994.	0.821	4697.	0.187
995.	0.821	4698.	0.19

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
996.	0.823	4699.	0.189
997.	0.823	4700.	0.182
998.	0.813	4701.	0.184
999.	0.813	4702.	0.177
1000.	0.821	4703.	0.18
1001.	0.82	4704.	0.19
1002.	0.812	4705.	0.189
1003.	0.819	4706.	0.19
1004.	0.817	4707.	0.188
1005.	0.815	4708.	0.188
1006.	0.812	4709.	0.19
1007.	0.812	4710.	0.183
1008.	0.816	4711.	0.186
1009.	0.812	4712.	0.191
1010.	0.804	4713.	0.18
1011.	0.817	4714.	0.198
1012.	0.8	4715.	0.19
1013.	0.808	4716.	0.193
1014.	0.808	4717.	0.182
1015.	0.81	4718.	0.188
1016.	0.804	4719.	0.182
1017.	0.81	4720.	0.188
1018.	0.802	4721.	0.185
1019.	0.808	4722.	0.184
1020.	0.808	4723.	0.188
1021.	0.813	4724.	0.191
1022.	0.812	4725.	0.175
1023.	0.808	4726.	0.189
1024.	0.804	4727.	0.191
1025.	0.794	4728.	0.193
1026.	0.8	4729.	0.184
1027.	0.798	4730.	0.189
1028.	0.813	4731.	0.184
1029.	0.808	4732.	0.189
1030.	0.802	4733.	0.178
1031.	0.793	4734.	0.19
1032.	0.796	4735.	0.184
1033.	0.802	4736.	0.188
1034.	0.797	4737.	0.187
1035.	0.794	4738.	0.193
1036.	0.794	4739.	0.18
1037.	0.795	4740.	0.19
1038.	0.787	4741.	0.184
1039.	0.792	4742.	0.188
1040.	0.795	4743.	0.196
1041.	0.791	4744.	0.186
1042.	0.791	4745.	0.182
1043.	0.797	4746.	0.176
1044.	0.789	4747.	0.19
1045.	0.797	4748.	0.18
1046.	0.795	4749.	0.191
1047.	0.793	4750.	0.198
1048.	0.802	4751.	0.193
1049.	0.798	4752.	0.189
1050.	0.797	4753.	0.18

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1051.	0.793	4754.	0.178
1052.	0.797	4755.	0.185
1053.	0.8	4756.	0.195
1054.	0.788	4757.	0.19
1055.	0.795	4758.	0.182
1056.	0.789	4759.	0.178
1057.	0.788	4760.	0.185
1058.	0.793	4761.	0.197
1059.	0.782	4762.	0.191
1060.	0.786	4763.	0.182
1061.	0.789	4764.	0.186
1062.	0.784	4765.	0.186
1063.	0.789	4766.	0.182
1064.	0.789	4767.	0.186
1065.	0.787	4768.	0.189
1066.	0.791	4769.	0.191
1067.	0.793	4770.	0.185
1068.	0.787	4771.	0.186
1069.	0.791	4772.	0.184
1070.	0.793	4773.	0.19
1071.	0.789	4774.	0.184
1072.	0.795	4775.	0.189
1073.	0.776	4776.	0.19
1074.	0.791	4777.	0.178
1075.	0.778	4778.	0.185
1076.	0.782	4779.	0.186
1077.	0.784	4780.	0.191
1078.	0.776	4781.	0.186
1079.	0.782	4782.	0.188
1080.	0.785	4783.	0.186
1081.	0.774	4784.	0.184
1082.	0.785	4785.	0.193
1083.	0.784	4786.	0.181
1084.	0.776	4787.	0.185
1085.	0.777	4788.	0.18
1086.	0.784	4789.	0.182
1087.	0.769	4790.	0.19
1088.	0.782	4791.	0.182
1089.	0.782	4792.	0.186
1090.	0.77	4793.	0.182
1091.	0.78	4794.	0.191
1092.	0.772	4795.	0.191
1093.	0.774	4796.	0.184
1094.	0.772	4797.	0.189
1095.	0.77	4798.	0.193
1096.	0.774	4799.	0.176
1097.	0.778	4800.	0.182
1098.	0.78	4801.	0.181
1099.	0.777	4802.	0.188
1100.	0.765	4803.	0.182
1101.	0.778	4804.	0.184
1102.	0.759	4805.	0.186
1103.	0.776	4806.	0.175
1104.	0.774	4807.	0.178
1105.	0.77	4808.	0.182

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1106.	0.762	4809.	0.187
1107.	0.769	4810.	0.178
1108.	0.764	4811.	0.19
1109.	0.769	4812.	0.187
1110.	0.772	4813.	0.191
1111.	0.771	4814.	0.182
1112.	0.757	4815.	0.182
1113.	0.759	4816.	0.19
1114.	0.762	4817.	0.182
1115.	0.759	4818.	0.188
1116.	0.752	4819.	0.19
1117.	0.765	4820.	0.18
1118.	0.759	4821.	0.189
1119.	0.756	4822.	0.181
1120.	0.752	4823.	0.18
1121.	0.757	4824.	0.178
1122.	0.757	4825.	0.175
1123.	0.77	4826.	0.184
1124.	0.763	4827.	0.187
1125.	0.759	4828.	0.18
1126.	0.753	4829.	0.176
1127.	0.763	4830.	0.186
1128.	0.754	4831.	0.173
1129.	0.754	4832.	0.183
1130.	0.765	4833.	0.18
1131.	0.761	4834.	0.19
1132.	0.751	4835.	0.182
1133.	0.759	4836.	0.178
1134.	0.757	4837.	0.177
1135.	0.759	4838.	0.178
1136.	0.763	4839.	0.178
1137.	0.758	4840.	0.184
1138.	0.756	4841.	0.19
1139.	0.752	4842.	0.183
1140.	0.757	4843.	0.187
1141.	0.756	4844.	0.184
1142.	0.75	4845.	0.19
1143.	0.752	4846.	0.178
1144.	0.756	4847.	0.173
1145.	0.757	4848.	0.178
1146.	0.752	4849.	0.175
1147.	0.752	4850.	0.18
1148.	0.748	4851.	0.195
1149.	0.754	4852.	0.182
1150.	0.755	4853.	0.179
1151.	0.742	4854.	0.177
1152.	0.742	4855.	0.173
1153.	0.754	4856.	0.187
1154.	0.748	4857.	0.19
1155.	0.744	4858.	0.173
1156.	0.754	4859.	0.175
1157.	0.742	4860.	0.179
1158.	0.746	4861.	0.178
1159.	0.744	4862.	0.18
1160.	0.748	4863.	0.175

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1161.	0.744	4864.	0.182
1162.	0.746	4865.	0.178
1163.	0.737	4866.	0.18
1164.	0.735	4867.	0.18
1165.	0.741	4868.	0.176
1166.	0.739	4869.	0.176
1167.	0.729	4870.	0.178
1168.	0.739	4871.	0.183
1169.	0.732	4872.	0.176
1170.	0.732	4873.	0.183
1171.	0.731	4874.	0.185
1172.	0.742	4875.	0.182
1173.	0.739	4876.	0.186
1174.	0.737	4877.	0.177
1175.	0.742	4878.	0.186
1176.	0.739	4879.	0.179
1177.	0.741	4880.	0.187
1178.	0.739	4881.	0.175
1179.	0.733	4882.	0.181
1180.	0.742	4883.	0.176
1181.	0.737	4884.	0.183
1182.	0.722	4885.	0.184
1183.	0.729	4886.	0.175
1184.	0.742	4887.	0.178
1185.	0.729	4888.	0.178
1186.	0.737	4889.	0.176
1187.	0.737	4890.	0.184
1188.	0.729	4891.	0.177
1189.	0.733	4892.	0.176
1190.	0.733	4893.	0.186
1191.	0.742	4894.	0.176
1192.	0.735	4895.	0.188
1193.	0.737	4896.	0.184
1194.	0.728	4897.	0.175
1195.	0.731	4898.	0.178
1196.	0.733	4899.	0.173
1197.	0.72	4900.	0.178
1198.	0.735	4901.	0.18
1199.	0.739	4902.	0.165
1200.	0.727	4903.	0.175
1201.	0.724	4904.	0.185
1202.	0.724	4905.	0.178
1203.	0.711	4906.	0.18
1204.	0.731	4907.	0.178
1205.	0.722	4908.	0.175
1206.	0.724	4909.	0.174
1207.	0.726	4910.	0.175
1208.	0.726	4911.	0.173
1209.	0.724	4912.	0.177
1210.	0.724	4913.	0.18
1211.	0.729	4914.	0.171
1212.	0.728	4915.	0.175
1213.	0.729	4916.	0.175
1214.	0.724	4917.	0.173
1215.	0.716	4918.	0.176

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1216.	0.726	4919.	0.169
1217.	0.72	4920.	0.176
1218.	0.718	4921.	0.176
1219.	0.726	4922.	0.185
1220.	0.728	4923.	0.183
1221.	0.714	4924.	0.175
1222.	0.726	4925.	0.181
1223.	0.714	4926.	0.182
1224.	0.713	4927.	0.169
1225.	0.722	4928.	0.181
1226.	0.72	4929.	0.176
1227.	0.718	4930.	0.176
1228.	0.722	4931.	0.175
1229.	0.716	4932.	0.181
1230.	0.731	4933.	0.176
1231.	0.713	4934.	0.178
1232.	0.709	4935.	0.188
1233.	0.726	4936.	0.171
1234.	0.716	4937.	0.175
1235.	0.713	4938.	0.176
1236.	0.711	4939.	0.183
1237.	0.72	4940.	0.173
1238.	0.714	4941.	0.173
1239.	0.716	4942.	0.169
1240.	0.714	4943.	0.176
1241.	0.718	4944.	0.171
1242.	0.728	4945.	0.175
1243.	0.705	4946.	0.187
1244.	0.709	4947.	0.176
1245.	0.709	4948.	0.184
1246.	0.707	4949.	0.171
1247.	0.714	4950.	0.173
1248.	0.714	4951.	0.176
1249.	0.713	4952.	0.161
1250.	0.707	4953.	0.175
1251.	0.707	4954.	0.173
1252.	0.706	4955.	0.173
1253.	0.713	4956.	0.169
1254.	0.711	4957.	0.175
1255.	0.711	4958.	0.169
1256.	0.7	4959.	0.167
1257.	0.716	4960.	0.185
1258.	0.705	4961.	0.181
1259.	0.705	4962.	0.169
1260.	0.705	4963.	0.181
1261.	0.711	4964.	0.178
1262.	0.698	4965.	0.181
1263.	0.707	4966.	0.175
1264.	0.709	4967.	0.182
1265.	0.707	4968.	0.178
1266.	0.7	4969.	0.165
1267.	0.706	4970.	0.179
1268.	0.705	4971.	0.171
1269.	0.703	4972.	0.168
1270.	0.698	4973.	0.171

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1271.	0.707	4974.	0.172
1272.	0.7	4975.	0.175
1273.	0.705	4976.	0.175
1274.	0.7	4977.	0.171
1275.	0.703	4978.	0.166
1276.	0.7	4979.	0.172
1277.	0.7	4980.	0.175
1278.	0.703	4981.	0.18
1279.	0.7	4982.	0.175
1280.	0.709	4983.	0.169
1281.	0.703	4984.	0.167
1282.	0.701	4985.	0.17
1283.	0.705	4986.	0.182
1284.	0.694	4987.	0.184
1285.	0.694	4988.	0.173
1286.	0.707	4989.	0.175
1287.	0.701	4990.	0.182
1288.	0.694	4991.	0.171
1289.	0.698	4992.	0.169
1290.	0.696	4993.	0.171
1291.	0.698	4994.	0.171
1292.	0.707	4995.	0.168
1293.	0.69	4996.	0.163
1294.	0.692	4997.	0.171
1295.	0.696	4998.	0.178
1296.	0.701	4999.	0.171
1297.	0.707	5000.	0.169
1298.	0.692	5001.	0.177
1299.	0.692	5002.	0.178
1300.	0.688	5003.	0.165
1301.	0.692	5004.	0.171
1302.	0.694	5005.	0.176
1303.	0.696	5006.	0.172
1304.	0.7	5007.	0.167
1305.	0.688	5008.	0.171
1306.	0.694	5009.	0.178
1307.	0.686	5010.	0.178
1308.	0.681	5011.	0.177
1309.	0.685	5012.	0.173
1310.	0.681	5013.	0.163
1311.	0.679	5014.	0.17
1312.	0.692	5015.	0.178
1313.	0.681	5016.	0.178
1314.	0.679	5017.	0.176
1315.	0.686	5018.	0.18
1316.	0.685	5019.	0.171
1317.	0.685	5020.	0.167
1318.	0.679	5021.	0.178
1319.	0.686	5022.	0.165
1320.	0.683	5023.	0.169
1321.	0.694	5024.	0.167
1322.	0.69	5025.	0.171
1323.	0.679	5026.	0.169
1324.	0.681	5027.	0.173
1325.	0.685	5028.	0.172

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1326.	0.683	5029.	0.173
1327.	0.681	5030.	0.165
1328.	0.679	5031.	0.176
1329.	0.677	5032.	0.175
1330.	0.683	5033.	0.165
1331.	0.683	5034.	0.168
1332.	0.666	5035.	0.168
1333.	0.673	5036.	0.169
1334.	0.683	5037.	0.169
1335.	0.679	5038.	0.164
1336.	0.675	5039.	0.165
1337.	0.67	5040.	0.17
1338.	0.673	5041.	0.167
1339.	0.681	5042.	0.175
1340.	0.675	5043.	0.174
1341.	0.675	5044.	0.173
1342.	0.664	5045.	0.171
1343.	0.677	5046.	0.163
1344.	0.675	5047.	0.176
1345.	0.673	5048.	0.164
1346.	0.675	5049.	0.171
1347.	0.671	5050.	0.173
1348.	0.683	5051.	0.169
1349.	0.666	5052.	0.173
1350.	0.679	5053.	0.161
1351.	0.673	5054.	0.165
1352.	0.666	5055.	0.164
1353.	0.658	5056.	0.173
1354.	0.671	5057.	0.169
1355.	0.668	5058.	0.169
1356.	0.662	5059.	0.167
1357.	0.671	5060.	0.175
1358.	0.666	5061.	0.173
1359.	0.668	5062.	0.176
1360.	0.662	5063.	0.16
1361.	0.66	5064.	0.168
1362.	0.664	5065.	0.171
1363.	0.671	5066.	0.169
1364.	0.671	5067.	0.171
1365.	0.666	5068.	0.165
1366.	0.664	5069.	0.169
1367.	0.67	5070.	0.163
1368.	0.662	5071.	0.173
1369.	0.675	5072.	0.166
1370.	0.668	5073.	0.171
1371.	0.67	5074.	0.171
1372.	0.664	5075.	0.167
1373.	0.668	5076.	0.163
1374.	0.668	5077.	0.175
1375.	0.657	5078.	0.167
1376.	0.668	5079.	0.173
1377.	0.661	5080.	0.167
1378.	0.668	5081.	0.171
1379.	0.655	5082.	0.162
1380.	0.66	5083.	0.156

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1381.	0.664	5084.	0.173
1382.	0.655	5085.	0.166
1383.	0.666	5086.	0.169
1384.	0.664	5087.	0.165
1385.	0.662	5088.	0.173
1386.	0.658	5089.	0.168
1387.	0.662	5090.	0.167
1388.	0.657	5091.	0.171
1389.	0.657	5092.	0.168
1390.	0.649	5093.	0.182
1391.	0.651	5094.	0.171
1392.	0.649	5095.	0.18
1393.	0.657	5096.	0.167
1394.	0.645	5097.	0.172
1395.	0.655	5098.	0.175
1396.	0.653	5099.	0.17
1397.	0.657	5100.	0.173
1398.	0.662	5101.	0.163
1399.	0.655	5102.	0.168
1400.	0.653	5103.	0.165
1401.	0.653	5104.	0.174
1402.	0.645	5105.	0.171
1403.	0.651	5106.	0.168
1404.	0.651	5107.	0.161
1405.	0.655	5108.	0.166
1406.	0.649	5109.	0.158
1407.	0.645	5110.	0.16
1408.	0.647	5111.	0.153
1409.	0.66	5112.	0.161
1410.	0.649	5113.	0.163
1411.	0.658	5114.	0.165
1412.	0.642	5115.	0.161
1413.	0.634	5116.	0.163
1414.	0.643	5117.	0.162
1415.	0.645	5118.	0.176
1416.	0.651	5119.	0.167
1417.	0.645	5120.	0.177
1418.	0.649	5121.	0.165
1419.	0.649	5122.	0.168
1420.	0.651	5123.	0.169
1421.	0.642	5124.	0.174
1422.	0.64	5125.	0.167
1423.	0.651	5126.	0.157
1424.	0.647	5127.	0.159
1425.	0.645	5128.	0.163
1426.	0.644	5129.	0.169
1427.	0.645	5130.	0.161
1428.	0.649	5131.	0.164
1429.	0.653	5132.	0.16
1430.	0.651	5133.	0.158
1431.	0.642	5134.	0.16
1432.	0.647	5135.	0.166
1433.	0.647	5136.	0.161
1434.	0.642	5137.	0.16
1435.	0.643	5138.	0.165

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1436.	0.645	5139.	0.168
1437.	0.635	5140.	0.164
1438.	0.653	5141.	0.162
1439.	0.64	5142.	0.154
1440.	0.642	5143.	0.17
1441.	0.638	5144.	0.165
1442.	0.638	5145.	0.163
1443.	0.63	5146.	0.165
1444.	0.638	5147.	0.161
1445.	0.638	5148.	0.152
1446.	0.638	5149.	0.165
1447.	0.632	5150.	0.167
1448.	0.64	5151.	0.158
1449.	0.634	5152.	0.169
1450.	0.643	5153.	0.16
1451.	0.638	5154.	0.161
1452.	0.643	5155.	0.162
1453.	0.643	5156.	0.165
1454.	0.632	5157.	0.162
1455.	0.638	5158.	0.161
1456.	0.63	5159.	0.163
1457.	0.636	5160.	0.161
1458.	0.628	5161.	0.157
1459.	0.63	5162.	0.168
1460.	0.632	5163.	0.167
1461.	0.634	5164.	0.163
1462.	0.621	5165.	0.17
1463.	0.642	5166.	0.161
1464.	0.63	5167.	0.166
1465.	0.625	5168.	0.164
1466.	0.629	5169.	0.171
1467.	0.634	5170.	0.162
1468.	0.627	5171.	0.163
1469.	0.629	5172.	0.165
1470.	0.629	5173.	0.163
1471.	0.632	5174.	0.161
1472.	0.63	5175.	0.16
1473.	0.636	5176.	0.167
1474.	0.636	5177.	0.166
1475.	0.63	5178.	0.165
1476.	0.625	5179.	0.16
1477.	0.63	5180.	0.157
1478.	0.621	5181.	0.173
1479.	0.632	5182.	0.158
1480.	0.627	5183.	0.171
1481.	0.629	5184.	0.162
1482.	0.627	5185.	0.16
1483.	0.627	5186.	0.162
1484.	0.617	5187.	0.163
1485.	0.63	5188.	0.164
1486.	0.63	5189.	0.17
1487.	0.619	5190.	0.161
1488.	0.623	5191.	0.16
1489.	0.614	5192.	0.161
1490.	0.629	5193.	0.161

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1491.	0.629	5194.	0.163
1492.	0.623	5195.	0.161
1493.	0.615	5196.	0.165
1494.	0.617	5197.	0.165
1495.	0.623	5198.	0.164
1496.	0.629	5199.	0.156
1497.	0.615	5200.	0.182
1498.	0.621	5201.	0.161
1499.	0.617	5202.	0.165
1500.	0.621	5203.	0.162
1501.	0.621	5204.	0.171
1502.	0.614	5205.	0.174
1503.	0.614	5206.	0.163
1504.	0.612	5207.	0.16
1505.	0.623	5208.	0.158
1506.	0.627	5209.	0.167
1507.	0.619	5210.	0.162
1508.	0.621	5211.	0.163
1509.	0.612	5212.	0.173
1510.	0.619	5213.	0.161
1511.	0.614	5214.	0.173
1512.	0.615	5215.	0.175
1513.	0.619	5216.	0.156
1514.	0.608	5217.	0.17
1515.	0.617	5218.	0.156
1516.	0.612	5219.	0.164
1517.	0.621	5220.	0.163
1518.	0.619	5221.	0.167
1519.	0.612	5222.	0.169
1520.	0.614	5223.	0.17
1521.	0.617	5224.	0.16
1522.	0.612	5225.	0.161
1523.	0.602	5226.	0.169
1524.	0.612	5227.	0.161
1525.	0.612	5228.	0.162
1526.	0.614	5229.	0.167
1527.	0.615	5230.	0.181
1528.	0.612	5231.	0.158
1529.	0.615	5232.	0.156
1530.	0.602	5233.	0.165
1531.	0.608	5234.	0.163
1532.	0.614	5235.	0.165
1533.	0.614	5236.	0.161
1534.	0.61	5237.	0.161
1535.	0.614	5238.	0.161
1536.	0.602	5239.	0.169
1537.	0.614	5240.	0.158
1538.	0.602	5241.	0.164
1539.	0.617	5242.	0.154
1540.	0.612	5243.	0.167
1541.	0.608	5244.	0.164
1542.	0.618	5245.	0.16
1543.	0.612	5246.	0.163
1544.	0.615	5247.	0.167
1545.	0.608	5248.	0.16

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1546.	0.604	5249.	0.161
1547.	0.613	5250.	0.161
1548.	0.604	5251.	0.156
1549.	0.61	5252.	0.152
1550.	0.608	5253.	0.154
1551.	0.612	5254.	0.16
1552.	0.604	5255.	0.162
1553.	0.61	5256.	0.161
1554.	0.617	5257.	0.163
1555.	0.595	5258.	0.15
1556.	0.604	5259.	0.156
1557.	0.604	5260.	0.155
1558.	0.614	5261.	0.169
1559.	0.602	5262.	0.156
1560.	0.599	5263.	0.166
1561.	0.602	5264.	0.173
1562.	0.612	5265.	0.168
1563.	0.602	5266.	0.157
1564.	0.591	5267.	0.159
1565.	0.61	5268.	0.167
1566.	0.604	5269.	0.163
1567.	0.603	5270.	0.153
1568.	0.597	5271.	0.161
1569.	0.601	5272.	0.154
1570.	0.601	5273.	0.156
1571.	0.597	5274.	0.156
1572.	0.593	5275.	0.16
1573.	0.601	5276.	0.156
1574.	0.597	5277.	0.162
1575.	0.601	5278.	0.163
1576.	0.602	5279.	0.165
1577.	0.601	5280.	0.162
1578.	0.597	5281.	0.154
1579.	0.593	5282.	0.152
1580.	0.602	5283.	0.168
1581.	0.597	5284.	0.16
1582.	0.6	5285.	0.151
1583.	0.601	5286.	0.163
1584.	0.602	5287.	0.158
1585.	0.591	5288.	0.156
1586.	0.591	5289.	0.158
1587.	0.601	5290.	0.154
1588.	0.592	5291.	0.16
1589.	0.602	5292.	0.16
1590.	0.599	5293.	0.167
1591.	0.587	5294.	0.158
1592.	0.591	5295.	0.156
1593.	0.591	5296.	0.172
1594.	0.586	5297.	0.158
1595.	0.586	5298.	0.16
1596.	0.587	5299.	0.16
1597.	0.593	5300.	0.158
1598.	0.589	5301.	0.169
1599.	0.584	5302.	0.159
1600.	0.591	5303.	0.16

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1601.	0.591	5304.	0.162
1602.	0.595	5305.	0.158
1603.	0.589	5306.	0.157
1604.	0.586	5307.	0.15
1605.	0.593	5308.	0.156
1606.	0.593	5309.	0.15
1607.	0.587	5310.	0.167
1608.	0.586	5311.	0.155
1609.	0.593	5312.	0.162
1610.	0.586	5313.	0.161
1611.	0.586	5314.	0.167
1612.	0.587	5315.	0.161
1613.	0.591	5316.	0.158
1614.	0.58	5317.	0.165
1615.	0.584	5318.	0.167
1616.	0.574	5319.	0.16
1617.	0.586	5320.	0.169
1618.	0.584	5321.	0.154
1619.	0.589	5322.	0.163
1620.	0.58	5323.	0.156
1621.	0.597	5324.	0.159
1622.	0.586	5325.	0.163
1623.	0.58	5326.	0.163
1624.	0.582	5327.	0.162
1625.	0.58	5328.	0.15
1626.	0.582	5329.	0.151
1627.	0.587	5330.	0.156
1628.	0.587	5331.	0.152
1629.	0.587	5332.	0.157
1630.	0.582	5333.	0.154
1631.	0.584	5334.	0.156
1632.	0.58	5335.	0.16
1633.	0.576	5336.	0.143
1634.	0.582	5337.	0.156
1635.	0.567	5338.	0.158
1636.	0.578	5339.	0.159
1637.	0.574	5340.	0.161
1638.	0.578	5341.	0.16
1639.	0.582	5342.	0.163
1640.	0.584	5343.	0.166
1641.	0.58	5344.	0.154
1642.	0.58	5345.	0.16
1643.	0.578	5346.	0.154
1644.	0.576	5347.	0.156
1645.	0.576	5348.	0.147
1646.	0.576	5349.	0.15
1647.	0.574	5350.	0.16
1648.	0.573	5351.	0.156
1649.	0.578	5352.	0.147
1650.	0.584	5353.	0.154
1651.	0.569	5354.	0.15
1652.	0.582	5355.	0.154
1653.	0.578	5356.	0.151
1654.	0.587	5357.	0.156
1655.	0.574	5358.	0.16

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1656.	0.571	5359.	0.164
1657.	0.584	5360.	0.154
1658.	0.582	5361.	0.158
1659.	0.574	5362.	0.161
1660.	0.567	5363.	0.152
1661.	0.576	5364.	0.156
1662.	0.578	5365.	0.161
1663.	0.582	5366.	0.155
1664.	0.571	5367.	0.159
1665.	0.573	5368.	0.162
1666.	0.574	5369.	0.149
1667.	0.573	5370.	0.156
1668.	0.578	5371.	0.15
1669.	0.584	5372.	0.156
1670.	0.563	5373.	0.151
1671.	0.563	5374.	0.155
1672.	0.573	5375.	0.148
1673.	0.58	5376.	0.155
1674.	0.567	5377.	0.15
1675.	0.574	5378.	0.152
1676.	0.582	5379.	0.158
1677.	0.576	5380.	0.157
1678.	0.574	5381.	0.15
1679.	0.573	5382.	0.16
1680.	0.565	5383.	0.155
1681.	0.567	5384.	0.162
1682.	0.567	5385.	0.16
1683.	0.571	5386.	0.159
1684.	0.569	5387.	0.161
1685.	0.563	5388.	0.15
1686.	0.574	5389.	0.151
1687.	0.578	5390.	0.162
1688.	0.565	5391.	0.155
1689.	0.573	5392.	0.16
1690.	0.569	5393.	0.154
1691.	0.567	5394.	0.148
1692.	0.573	5395.	0.154
1693.	0.576	5396.	0.156
1694.	0.567	5397.	0.16
1695.	0.573	5398.	0.153
1696.	0.576	5399.	0.161
1697.	0.574	5400.	0.158
1698.	0.561	5401.	0.149
1699.	0.563	5402.	0.147
1700.	0.573	5403.	0.153
1701.	0.573	5404.	0.152
1702.	0.573	5405.	0.139
1703.	0.573	5406.	0.157
1704.	0.567	5407.	0.152
1705.	0.565	5408.	0.157
1706.	0.567	5409.	0.158
1707.	0.558	5410.	0.154
1708.	0.558	5411.	0.156
1709.	0.573	5412.	0.144
1710.	0.556	5413.	0.15

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1711.	0.569	5414.	0.152
1712.	0.567	5415.	0.15
1713.	0.565	5416.	0.157
1714.	0.552	5417.	0.15
1715.	0.563	5418.	0.161
1716.	0.554	5419.	0.154
1717.	0.571	5420.	0.163
1718.	0.561	5421.	0.158
1719.	0.563	5422.	0.154
1720.	0.567	5423.	0.158
1721.	0.556	5424.	0.161
1722.	0.554	5425.	0.156
1723.	0.554	5426.	0.153
1724.	0.561	5427.	0.15
1725.	0.554	5428.	0.156
1726.	0.571	5429.	0.152
1727.	0.548	5430.	0.15
1728.	0.561	5431.	0.16
1729.	0.559	5432.	0.161
1730.	0.558	5433.	0.159
1731.	0.554	5434.	0.155
1732.	0.559	5435.	0.158
1733.	0.559	5436.	0.153
1734.	0.561	5437.	0.16
1735.	0.558	5438.	0.159
1736.	0.554	5439.	0.156
1737.	0.559	5440.	0.147
1738.	0.552	5441.	0.156
1739.	0.559	5442.	0.151
1740.	0.559	5443.	0.155
1741.	0.556	5444.	0.15
1742.	0.556	5445.	0.153
1743.	0.563	5446.	0.15
1744.	0.548	5447.	0.15
1745.	0.563	5448.	0.154
1746.	0.544	5449.	0.152
1747.	0.554	5450.	0.154
1748.	0.565	5451.	0.148
1749.	0.548	5452.	0.154
1750.	0.558	5453.	0.145
1751.	0.554	5454.	0.148
1752.	0.543	5455.	0.16
1753.	0.548	5456.	0.15
1754.	0.546	5457.	0.147
1755.	0.552	5458.	0.146
1756.	0.552	5459.	0.15
1757.	0.55	5460.	0.158
1758.	0.552	5461.	0.152
1759.	0.539	5462.	0.151
1760.	0.548	5463.	0.148
1761.	0.546	5464.	0.152
1762.	0.554	5465.	0.16
1763.	0.55	5466.	0.151
1764.	0.552	5467.	0.161
1765.	0.544	5468.	0.154

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1766.	0.548	5469.	0.145
1767.	0.55	5470.	0.155
1768.	0.543	5471.	0.153
1769.	0.543	5472.	0.143
1770.	0.548	5473.	0.154
1771.	0.543	5474.	0.147
1772.	0.55	5475.	0.142
1773.	0.531	5476.	0.143
1774.	0.543	5477.	0.149
1775.	0.546	5478.	0.149
1776.	0.543	5479.	0.151
1777.	0.554	5480.	0.143
1778.	0.546	5481.	0.148
1779.	0.544	5482.	0.144
1780.	0.546	5483.	0.146
1781.	0.533	5484.	0.143
1782.	0.546	5485.	0.15
1783.	0.543	5486.	0.148
1784.	0.541	5487.	0.146
1785.	0.541	5488.	0.145
1786.	0.546	5489.	0.147
1787.	0.541	5490.	0.143
1788.	0.535	5491.	0.143
1789.	0.541	5492.	0.152
1790.	0.533	5493.	0.148
1791.	0.548	5494.	0.154
1792.	0.539	5495.	0.154
1793.	0.541	5496.	0.156
1794.	0.543	5497.	0.15
1795.	0.543	5498.	0.15
1796.	0.541	5499.	0.162
1797.	0.535	5500.	0.156
1798.	0.535	5501.	0.15
1799.	0.537	5502.	0.14
1800.	0.543	5503.	0.145
1801.	0.528	5504.	0.147
1802.	0.535	5505.	0.155
1803.	0.537	5506.	0.145
1804.	0.53	5507.	0.142
1805.	0.546	5508.	0.154
1806.	0.535	5509.	0.152
1807.	0.544	5510.	0.144
1808.	0.531	5511.	0.148
1809.	0.533	5512.	0.156
1810.	0.541	5513.	0.139
1811.	0.535	5514.	0.145
1812.	0.53	5515.	0.15
1813.	0.531	5516.	0.149
1814.	0.52	5517.	0.146
1815.	0.544	5518.	0.153
1816.	0.531	5519.	0.148
1817.	0.533	5520.	0.157
1818.	0.543	5521.	0.151
1819.	0.537	5522.	0.147
1820.	0.537	5523.	0.15

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1821.	0.537	5524.	0.143
1822.	0.537	5525.	0.146
1823.	0.535	5526.	0.145
1824.	0.541	5527.	0.143
1825.	0.539	5528.	0.15
1826.	0.533	5529.	0.148
1827.	0.541	5530.	0.142
1828.	0.53	5531.	0.145
1829.	0.535	5532.	0.135
1830.	0.52	5533.	0.15
1831.	0.524	5534.	0.147
1832.	0.533	5535.	0.153
1833.	0.526	5536.	0.147
1834.	0.533	5537.	0.15
1835.	0.533	5538.	0.147
1836.	0.53	5539.	0.154
1837.	0.535	5540.	0.145
1838.	0.53	5541.	0.15
1839.	0.524	5542.	0.144
1840.	0.52	5543.	0.15
1841.	0.528	5544.	0.145
1842.	0.526	5545.	0.149
1843.	0.526	5546.	0.148
1844.	0.531	5547.	0.146
1845.	0.535	5548.	0.147
1846.	0.537	5549.	0.156
1847.	0.53	5550.	0.151
1848.	0.522	5551.	0.133
1849.	0.524	5552.	0.146
1850.	0.524	5553.	0.148
1851.	0.524	5554.	0.149
1852.	0.518	5555.	0.145
1853.	0.528	5556.	0.143
1854.	0.531	5557.	0.141
1855.	0.535	5558.	0.147
1856.	0.524	5559.	0.144
1857.	0.526	5560.	0.143
1858.	0.518	5561.	0.147
1859.	0.526	5562.	0.15
1860.	0.524	5563.	0.147
1861.	0.524	5564.	0.148
1862.	0.526	5565.	0.145
1863.	0.52	5566.	0.15
1864.	0.522	5567.	0.147
1865.	0.526	5568.	0.144
1866.	0.52	5569.	0.144
1867.	0.528	5570.	0.139
1868.	0.522	5571.	0.143
1869.	0.53	5572.	0.147
1870.	0.53	5573.	0.145
1871.	0.52	5574.	0.141
1872.	0.526	5575.	0.15
1873.	0.516	5576.	0.152
1874.	0.523	5577.	0.137
1875.	0.53	5578.	0.153

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1876.	0.518	5579.	0.145
1877.	0.518	5580.	0.143
1878.	0.526	5581.	0.145
1879.	0.52	5582.	0.15
1880.	0.533	5583.	0.147
1881.	0.515	5584.	0.15
1882.	0.516	5585.	0.145
1883.	0.526	5586.	0.143
1884.	0.516	5587.	0.148
1885.	0.52	5588.	0.157
1886.	0.513	5589.	0.143
1887.	0.526	5590.	0.137
1888.	0.524	5591.	0.149
1889.	0.515	5592.	0.147
1890.	0.526	5593.	0.139
1891.	0.524	5594.	0.15
1892.	0.516	5595.	0.146
1893.	0.53	5596.	0.152
1894.	0.516	5597.	0.141
1895.	0.513	5598.	0.146
1896.	0.526	5599.	0.133
1897.	0.518	5600.	0.151
1898.	0.513	5601.	0.144
1899.	0.515	5602.	0.143
1900.	0.52	5603.	0.147
1901.	0.524	5604.	0.145
1902.	0.509	5605.	0.151
1903.	0.507	5606.	0.141
1904.	0.516	5607.	0.15
1905.	0.518	5608.	0.133
1906.	0.513	5609.	0.143
1907.	0.524	5610.	0.139
1908.	0.518	5611.	0.15
1909.	0.515	5612.	0.139
1910.	0.518	5613.	0.141
1911.	0.518	5614.	0.143
1912.	0.511	5615.	0.143
1913.	0.518	5616.	0.149
1914.	0.522	5617.	0.147
1915.	0.511	5618.	0.142
1916.	0.516	5619.	0.145
1917.	0.509	5620.	0.138
1918.	0.516	5621.	0.148
1919.	0.511	5622.	0.142
1920.	0.513	5623.	0.137
1921.	0.515	5624.	0.146
1922.	0.505	5625.	0.147
1923.	0.518	5626.	0.139
1924.	0.516	5627.	0.145
1925.	0.515	5628.	0.144
1926.	0.509	5629.	0.152
1927.	0.505	5630.	0.145
1928.	0.515	5631.	0.145
1929.	0.511	5632.	0.147
1930.	0.507	5633.	0.141

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1931.	0.516	5634.	0.141
1932.	0.511	5635.	0.149
1933.	0.511	5636.	0.141
1934.	0.503	5637.	0.144
1935.	0.515	5638.	0.148
1936.	0.502	5639.	0.147
1937.	0.503	5640.	0.146
1938.	0.503	5641.	0.145
1939.	0.503	5642.	0.141
1940.	0.508	5643.	0.145
1941.	0.502	5644.	0.148
1942.	0.505	5645.	0.137
1943.	0.516	5646.	0.139
1944.	0.516	5647.	0.139
1945.	0.509	5648.	0.145
1946.	0.503	5649.	0.145
1947.	0.502	5650.	0.139
1948.	0.511	5651.	0.138
1949.	0.505	5652.	0.135
1950.	0.516	5653.	0.136
1951.	0.492	5654.	0.143
1952.	0.505	5655.	0.147
1953.	0.511	5656.	0.143
1954.	0.503	5657.	0.148
1955.	0.515	5658.	0.146
1956.	0.507	5659.	0.135
1957.	0.513	5660.	0.147
1958.	0.509	5661.	0.135
1959.	0.49	5662.	0.147
1960.	0.503	5663.	0.143
1961.	0.5	5664.	0.149
1962.	0.498	5665.	0.147
1963.	0.496	5666.	0.139
1964.	0.498	5667.	0.145
1965.	0.505	5668.	0.143
1966.	0.504	5669.	0.143
1967.	0.502	5670.	0.125
1968.	0.498	5671.	0.14
1969.	0.502	5672.	0.132
1970.	0.502	5673.	0.139
1971.	0.492	5674.	0.144
1972.	0.503	5675.	0.141
1973.	0.494	5676.	0.139
1974.	0.496	5677.	0.143
1975.	0.5	5678.	0.142
1976.	0.498	5679.	0.147
1977.	0.49	5680.	0.135
1978.	0.49	5681.	0.141
1979.	0.502	5682.	0.136
1980.	0.502	5683.	0.145
1981.	0.503	5684.	0.141
1982.	0.496	5685.	0.147
1983.	0.492	5686.	0.139
1984.	0.502	5687.	0.139
1985.	0.498	5688.	0.148

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1986.	0.49	5689.	0.143
1987.	0.5	5690.	0.149
1988.	0.502	5691.	0.148
1989.	0.498	5692.	0.141
1990.	0.505	5693.	0.143
1991.	0.498	5694.	0.141
1992.	0.496	5695.	0.135
1993.	0.505	5696.	0.141
1994.	0.503	5697.	0.138
1995.	0.494	5698.	0.137
1996.	0.494	5699.	0.136
1997.	0.494	5700.	0.139
1998.	0.498	5701.	0.133
1999.	0.49	5702.	0.132
2000.	0.498	5703.	0.139
2001.	0.485	5704.	0.142
2002.	0.498	5705.	0.137
2003.	0.492	5706.	0.147
2004.	0.494	5707.	0.147
2005.	0.492	5708.	0.13
2006.	0.49	5709.	0.135
2007.	0.492	5710.	0.137
2008.	0.483	5711.	0.131
2009.	0.505	5712.	0.146
2010.	0.487	5713.	0.147
2011.	0.49	5714.	0.139
2012.	0.479	5715.	0.141
2013.	0.494	5716.	0.139
2014.	0.485	5717.	0.143
2015.	0.492	5718.	0.141
2016.	0.492	5719.	0.141
2017.	0.487	5720.	0.145
2018.	0.483	5721.	0.145
2019.	0.49	5722.	0.135
2020.	0.494	5723.	0.134
2021.	0.492	5724.	0.141
2022.	0.49	5725.	0.137
2023.	0.49	5726.	0.126
2024.	0.496	5727.	0.14
2025.	0.492	5728.	0.143
2026.	0.498	5729.	0.141
2027.	0.492	5730.	0.141
2028.	0.483	5731.	0.13
2029.	0.483	5732.	0.129
2030.	0.496	5733.	0.132
2031.	0.496	5734.	0.133
2032.	0.496	5735.	0.132
2033.	0.496	5736.	0.128
2034.	0.49	5737.	0.132
2035.	0.488	5738.	0.13
2036.	0.479	5739.	0.132
2037.	0.487	5740.	0.134
2038.	0.488	5741.	0.126
2039.	0.479	5742.	0.13
2040.	0.479	5743.	0.138

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2041.	0.475	5744.	0.133
2042.	0.488	5745.	0.133
2043.	0.487	5746.	0.134
2044.	0.487	5747.	0.141
2045.	0.483	5748.	0.141
2046.	0.483	5749.	0.143
2047.	0.49	5750.	0.138
2048.	0.485	5751.	0.133
2049.	0.475	5752.	0.136
2050.	0.488	5753.	0.132
2051.	0.485	5754.	0.139
2052.	0.481	5755.	0.133
2053.	0.485	5756.	0.144
2054.	0.481	5757.	0.133
2055.	0.483	5758.	0.131
2056.	0.481	5759.	0.132
2057.	0.492	5760.	0.133
2058.	0.475	5761.	0.133
2059.	0.488	5762.	0.133
2060.	0.488	5763.	0.141
2061.	0.481	5764.	0.132
2062.	0.483	5765.	0.133
2063.	0.488	5766.	0.13
2064.	0.492	5767.	0.132
2065.	0.483	5768.	0.128
2066.	0.479	5769.	0.132
2067.	0.496	5770.	0.126
2068.	0.472	5771.	0.137
2069.	0.475	5772.	0.13
2070.	0.492	5773.	0.141
2071.	0.485	5774.	0.133
2072.	0.485	5775.	0.134
2073.	0.475	5776.	0.132
2074.	0.475	5777.	0.134
2075.	0.479	5778.	0.132
2076.	0.477	5779.	0.13
2077.	0.479	5780.	0.135
2078.	0.475	5781.	0.141
2079.	0.49	5782.	0.132
2080.	0.472	5783.	0.13
2081.	0.477	5784.	0.143
2082.	0.47	5785.	0.137
2083.	0.479	5786.	0.132
2084.	0.475	5787.	0.127
2085.	0.477	5788.	0.132
2086.	0.47	5789.	0.133
2087.	0.485	5790.	0.128
2088.	0.477	5791.	0.137
2089.	0.472	5792.	0.139
2090.	0.479	5793.	0.133
2091.	0.472	5794.	0.132
2092.	0.483	5795.	0.132
2093.	0.464	5796.	0.141
2094.	0.473	5797.	0.141
2095.	0.472	5798.	0.126

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2096.	0.472	5799.	0.137
2097.	0.473	5800.	0.127
2098.	0.481	5801.	0.128
2099.	0.47	5802.	0.132
2100.	0.475	5803.	0.132
2101.	0.475	5804.	0.131
2102.	0.466	5805.	0.132
2103.	0.481	5806.	0.137
2104.	0.475	5807.	0.139
2105.	0.479	5808.	0.135
2106.	0.47	5809.	0.139
2107.	0.473	5810.	0.139
2108.	0.473	5811.	0.139
2109.	0.464	5812.	0.141
2110.	0.46	5813.	0.138
2111.	0.466	5814.	0.132
2112.	0.46	5815.	0.135
2113.	0.455	5816.	0.135
2114.	0.473	5817.	0.127
2115.	0.475	5818.	0.132
2116.	0.47	5819.	0.13
2117.	0.477	5820.	0.128
2118.	0.46	5821.	0.131
2119.	0.468	5822.	0.132
2120.	0.473	5823.	0.141
2121.	0.464	5824.	0.14
2122.	0.475	5825.	0.132
2123.	0.468	5826.	0.131
2124.	0.472	5827.	0.129
2125.	0.473	5828.	0.132
2126.	0.464	5829.	0.13
2127.	0.466	5830.	0.136
2128.	0.459	5831.	0.132
2129.	0.462	5832.	0.128
2130.	0.453	5833.	0.137
2131.	0.473	5834.	0.132
2132.	0.47	5835.	0.127
2133.	0.47	5836.	0.13
2134.	0.472	5837.	0.14
2135.	0.467	5838.	0.133
2136.	0.46	5839.	0.127
2137.	0.459	5840.	0.132
2138.	0.466	5841.	0.135
2139.	0.466	5842.	0.137
2140.	0.455	5843.	0.137
2141.	0.466	5844.	0.132
2142.	0.47	5845.	0.13
2143.	0.464	5846.	0.12
2144.	0.464	5847.	0.135
2145.	0.46	5848.	0.122
2146.	0.466	5849.	0.132
2147.	0.462	5850.	0.141
2148.	0.453	5851.	0.13
2149.	0.46	5852.	0.128
2150.	0.466	5853.	0.132

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2151.	0.462	5854.	0.132
2152.	0.462	5855.	0.124
2153.	0.455	5856.	0.128
2154.	0.466	5857.	0.133
2155.	0.46	5858.	0.126
2156.	0.459	5859.	0.142
2157.	0.455	5860.	0.14
2158.	0.462	5861.	0.139
2159.	0.445	5862.	0.13
2160.	0.468	5863.	0.124
2161.	0.459	5864.	0.136
2162.	0.464	5865.	0.133
2163.	0.466	5866.	0.123
2164.	0.46	5867.	0.128
2165.	0.46	5868.	0.126
2166.	0.462	5869.	0.132
2167.	0.459	5870.	0.132
2168.	0.457	5871.	0.132
2169.	0.455	5872.	0.128
2170.	0.459	5873.	0.135
2171.	0.449	5874.	0.14
2172.	0.462	5875.	0.133
2173.	0.449	5876.	0.13
2174.	0.468	5877.	0.139
2175.	0.455	5878.	0.132
2176.	0.449	5879.	0.135
2177.	0.455	5880.	0.126
2178.	0.46	5881.	0.126
2179.	0.464	5882.	0.131
2180.	0.46	5883.	0.123
2181.	0.464	5884.	0.119
2182.	0.46	5885.	0.13
2183.	0.453	5886.	0.13
2184.	0.451	5887.	0.132
2185.	0.445	5888.	0.124
2186.	0.464	5889.	0.132
2187.	0.449	5890.	0.132
2188.	0.457	5891.	0.13
2189.	0.459	5892.	0.135
2190.	0.451	5893.	0.124
2191.	0.449	5894.	0.128
2192.	0.455	5895.	0.113
2193.	0.457	5896.	0.124
2194.	0.449	5897.	0.126
2195.	0.459	5898.	0.118
2196.	0.455	5899.	0.128
2197.	0.449	5900.	0.128
2198.	0.457	5901.	0.133
2199.	0.462	5902.	0.136
2200.	0.447	5903.	0.132
2201.	0.459	5904.	0.122
2202.	0.457	5905.	0.13
2203.	0.455	5906.	0.138
2204.	0.455	5907.	0.13
2205.	0.451	5908.	0.128

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2206.	0.459	5909.	0.13
2207.	0.447	5910.	0.142
2208.	0.449	5911.	0.13
2209.	0.455	5912.	0.13
2210.	0.453	5913.	0.13
2211.	0.451	5914.	0.132
2212.	0.442	5915.	0.13
2213.	0.447	5916.	0.13
2214.	0.447	5917.	0.121
2215.	0.445	5918.	0.132
2216.	0.444	5919.	0.118
2217.	0.453	5920.	0.126
2218.	0.445	5921.	0.136
2219.	0.451	5922.	0.135
2220.	0.447	5923.	0.126
2221.	0.455	5924.	0.13
2222.	0.447	5925.	0.128
2223.	0.451	5926.	0.132
2224.	0.444	5927.	0.13
2225.	0.455	5928.	0.126
2226.	0.447	5929.	0.134
2227.	0.453	5930.	0.141
2228.	0.447	5931.	0.133
2229.	0.455	5932.	0.135
2230.	0.449	5933.	0.124
2231.	0.445	5934.	0.13
2232.	0.447	5935.	0.124
2233.	0.444	5936.	0.132
2234.	0.449	5937.	0.129
2235.	0.449	5938.	0.13
2236.	0.447	5939.	0.13
2237.	0.451	5940.	0.129
2238.	0.455	5941.	0.13
2239.	0.449	5942.	0.126
2240.	0.449	5943.	0.133
2241.	0.447	5944.	0.128
2242.	0.449	5945.	0.13
2243.	0.451	5946.	0.132
2244.	0.445	5947.	0.128
2245.	0.444	5948.	0.14
2246.	0.444	5949.	0.131
2247.	0.442	5950.	0.135
2248.	0.444	5951.	0.131
2249.	0.434	5952.	0.127
2250.	0.438	5953.	0.128
2251.	0.455	5954.	0.139
2252.	0.451	5955.	0.129
2253.	0.442	5956.	0.128
2254.	0.444	5957.	0.133
2255.	0.44	5958.	0.136
2256.	0.444	5959.	0.132
2257.	0.457	5960.	0.137
2258.	0.445	5961.	0.12
2259.	0.453	5962.	0.138
2260.	0.447	5963.	0.126

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2261.	0.436	5964.	0.133
2262.	0.453	5965.	0.122
2263.	0.445	5966.	0.132
2264.	0.432	5967.	0.132
2265.	0.438	5968.	0.128
2266.	0.436	5969.	0.131
2267.	0.44	5970.	0.14
2268.	0.436	5971.	0.126
2269.	0.447	5972.	0.128
2270.	0.44	5973.	0.126
2271.	0.444	5974.	0.131
2272.	0.434	5975.	0.122
2273.	0.442	5976.	0.124
2274.	0.438	5977.	0.137
2275.	0.442	5978.	0.118
2276.	0.44	5979.	0.132
2277.	0.436	5980.	0.13
2278.	0.44	5981.	0.134
2279.	0.432	5982.	0.126
2280.	0.436	5983.	0.121
2281.	0.44	5984.	0.135
2282.	0.444	5985.	0.129
2283.	0.449	5986.	0.128
2284.	0.432	5987.	0.13
2285.	0.445	5988.	0.117
2286.	0.434	5989.	0.124
2287.	0.436	5990.	0.126
2288.	0.442	5991.	0.128
2289.	0.436	5992.	0.136
2290.	0.427	5993.	0.126
2291.	0.442	5994.	0.115
2292.	0.444	5995.	0.128
2293.	0.434	5996.	0.129
2294.	0.436	5997.	0.13
2295.	0.449	5998.	0.133
2296.	0.429	5999.	0.124
2297.	0.444	6000.	0.125
2298.	0.442	6001.	0.122
2299.	0.438	6002.	0.132
2300.	0.432	6003.	0.132
2301.	0.438	6004.	0.128
2302.	0.444	6005.	0.124
2303.	0.445	6006.	0.131
2304.	0.434	6007.	0.13
2305.	0.44	6008.	0.13
2306.	0.445	6009.	0.132
2307.	0.434	6010.	0.135
2308.	0.434	6011.	0.122
2309.	0.431	6012.	0.133
2310.	0.44	6013.	0.132
2311.	0.431	6014.	0.132
2312.	0.44	6015.	0.122
2313.	0.434	6016.	0.126
2314.	0.44	6017.	0.126
2315.	0.438	6018.	0.126

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2316.	0.429	6019.	0.127
2317.	0.432	6020.	0.123
2318.	0.427	6021.	0.12
2319.	0.434	6022.	0.13
2320.	0.431	6023.	0.132
2321.	0.432	6024.	0.131
2322.	0.434	6025.	0.126
2323.	0.445	6026.	0.13
2324.	0.432	6027.	0.13
2325.	0.432	6028.	0.134
2326.	0.434	6029.	0.132
2327.	0.431	6030.	0.131
2328.	0.427	6031.	0.122
2329.	0.431	6032.	0.122
2330.	0.431	6033.	0.128
2331.	0.432	6034.	0.126
2332.	0.438	6035.	0.13
2333.	0.436	6036.	0.124
2334.	0.434	6037.	0.128
2335.	0.431	6038.	0.126
2336.	0.432	6039.	0.135
2337.	0.436	6040.	0.117
2338.	0.432	6041.	0.137
2339.	0.431	6042.	0.117
2340.	0.436	6043.	0.134
2341.	0.429	6044.	0.124
2342.	0.417	6045.	0.124
2343.	0.432	6046.	0.129
2344.	0.434	6047.	0.124
2345.	0.438	6048.	0.117
2346.	0.431	6049.	0.125
2347.	0.436	6050.	0.124
2348.	0.429	6051.	0.126
2349.	0.427	6052.	0.127
2350.	0.432	6053.	0.124
2351.	0.419	6054.	0.131
2352.	0.427	6055.	0.122
2353.	0.432	6056.	0.12
2354.	0.427	6057.	0.115
2355.	0.431	6058.	0.121
2356.	0.423	6059.	0.124
2357.	0.438	6060.	0.117
2358.	0.431	6061.	0.12
2359.	0.429	6062.	0.13
2360.	0.436	6063.	0.124
2361.	0.44	6064.	0.127
2362.	0.429	6065.	0.128
2363.	0.427	6066.	0.118
2364.	0.421	6067.	0.126
2365.	0.429	6068.	0.126
2366.	0.432	6069.	0.126
2367.	0.423	6070.	0.122
2368.	0.425	6071.	0.122
2369.	0.427	6072.	0.13
2370.	0.427	6073.	0.124

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2371.	0.423	6074.	0.12
2372.	0.421	6075.	0.124
2373.	0.434	6076.	0.12
2374.	0.431	6077.	0.122
2375.	0.432	6078.	0.115
2376.	0.421	6079.	0.128
2377.	0.419	6080.	0.128
2378.	0.427	6081.	0.113
2379.	0.429	6082.	0.122
2380.	0.419	6083.	0.12
2381.	0.423	6084.	0.124
2382.	0.419	6085.	0.111
2383.	0.423	6086.	0.12
2384.	0.429	6087.	0.128
2385.	0.41	6088.	0.13
2386.	0.423	6089.	0.122
2387.	0.425	6090.	0.126
2388.	0.421	6091.	0.111
2389.	0.429	6092.	0.115
2390.	0.425	6093.	0.111
2391.	0.431	6094.	0.122
2392.	0.421	6095.	0.123
2393.	0.431	6096.	0.11
2394.	0.427	6097.	0.12
2395.	0.416	6098.	0.126
2396.	0.414	6099.	0.107
2397.	0.417	6100.	0.12
2398.	0.421	6101.	0.115
2399.	0.417	6102.	0.12
2400.	0.423	6103.	0.124
2401.	0.417	6104.	0.113
2402.	0.423	6105.	0.115
2403.	0.417	6106.	0.113
2404.	0.423	6107.	0.114
2405.	0.419	6108.	0.107
2406.	0.416	6109.	0.115
2407.	0.419	6110.	0.122
2408.	0.416	6111.	0.122
2409.	0.421	6112.	0.119
2410.	0.414	6113.	0.118
2411.	0.416	6114.	0.126
2412.	0.404	6115.	0.117
2413.	0.419	6116.	0.124
2414.	0.423	6117.	0.102
2415.	0.419	6118.	0.114
2416.	0.423	6119.	0.118
2417.	0.413	6120.	0.129
2418.	0.408	6121.	0.122
2419.	0.417	6122.	0.117
2420.	0.414	6123.	0.13
2421.	0.404	6124.	0.126
2422.	0.416	6125.	0.111
2423.	0.416	6126.	0.119
2424.	0.412	6127.	0.115
2425.	0.404	6128.	0.123

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2426.	0.41	6129.	0.104
2427.	0.423	6130.	0.127
2428.	0.423	6131.	0.115
2429.	0.412	6132.	0.12
2430.	0.404	6133.	0.111
2431.	0.404	6134.	0.125
2432.	0.417	6135.	0.13
2433.	0.414	6136.	0.117
2434.	0.416	6137.	0.109
2435.	0.416	6138.	0.117
2436.	0.412	6139.	0.113
2437.	0.416	6140.	0.111
2438.	0.419	6141.	0.119
2439.	0.412	6142.	0.117
2440.	0.401	6143.	0.117
2441.	0.416	6144.	0.12
2442.	0.416	6145.	0.115
2443.	0.419	6146.	0.12
2444.	0.417	6147.	0.118
2445.	0.416	6148.	0.113
2446.	0.414	6149.	0.117
2447.	0.416	6150.	0.104
2448.	0.416	6151.	0.117
2449.	0.427	6152.	0.115
2450.	0.419	6153.	0.117
2451.	0.416	6154.	0.111
2452.	0.423	6155.	0.117
2453.	0.414	6156.	0.113
2454.	0.416	6157.	0.116
2455.	0.416	6158.	0.113
2456.	0.419	6159.	0.115
2457.	0.416	6160.	0.124
2458.	0.417	6161.	0.122
2459.	0.414	6162.	0.12
2460.	0.421	6163.	0.113
2461.	0.417	6164.	0.118
2462.	0.412	6165.	0.124
2463.	0.414	6166.	0.113
2464.	0.408	6167.	0.115
2465.	0.399	6168.	0.117
2466.	0.403	6169.	0.115
2467.	0.408	6170.	0.111
2468.	0.416	6171.	0.109
2469.	0.403	6172.	0.111
2470.	0.414	6173.	0.114
2471.	0.414	6174.	0.117
2472.	0.412	6175.	0.122
2473.	0.417	6176.	0.113
2474.	0.417	6177.	0.118
2475.	0.404	6178.	0.118
2476.	0.412	6179.	0.112
2477.	0.404	6180.	0.117
2478.	0.406	6181.	0.124
2479.	0.406	6182.	0.113
2480.	0.406	6183.	0.118

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2481.	0.414	6184.	0.109
2482.	0.423	6185.	0.11
2483.	0.406	6186.	0.117
2484.	0.404	6187.	0.117
2485.	0.41	6188.	0.122
2486.	0.412	6189.	0.122
2487.	0.414	6190.	0.105
2488.	0.405	6191.	0.107
2489.	0.403	6192.	0.12
2490.	0.395	6193.	0.118
2491.	0.406	6194.	0.111
2492.	0.404	6195.	0.122
2493.	0.408	6196.	0.113
2494.	0.406	6197.	0.109
2495.	0.412	6198.	0.107
2496.	0.404	6199.	0.117
2497.	0.404	6200.	0.111
2498.	0.406	6201.	0.112
2499.	0.403	6202.	0.116
2500.	0.406	6203.	0.117
2501.	0.401	6204.	0.111
2502.	0.401	6205.	0.105
2503.	0.408	6206.	0.115
2504.	0.41	6207.	0.119
2505.	0.408	6208.	0.109
2506.	0.401	6209.	0.114
2507.	0.416	6210.	0.103
2508.	0.404	6211.	0.119
2509.	0.404	6212.	0.115
2510.	0.397	6213.	0.115
2511.	0.41	6214.	0.12
2512.	0.404	6215.	0.107
2513.	0.397	6216.	0.109
2514.	0.412	6217.	0.113
2515.	0.403	6218.	0.118
2516.	0.404	6219.	0.115
2517.	0.399	6220.	0.104
2518.	0.403	6221.	0.12
2519.	0.401	6222.	0.113
2520.	0.397	6223.	0.111
2521.	0.404	6224.	0.113
2522.	0.399	6225.	0.113
2523.	0.389	6226.	0.125
2524.	0.393	6227.	0.113
2525.	0.397	6228.	0.116
2526.	0.395	6229.	0.102
2527.	0.401	6230.	0.114
2528.	0.395	6231.	0.105
2529.	0.399	6232.	0.111
2530.	0.399	6233.	0.112
2531.	0.395	6234.	0.113
2532.	0.391	6235.	0.116
2533.	0.408	6236.	0.113
2534.	0.401	6237.	0.118
2535.	0.393	6238.	0.118

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2536.	0.399	6239.	0.118
2537.	0.397	6240.	0.111
2538.	0.389	6241.	0.128
2539.	0.397	6242.	0.118
2540.	0.403	6243.	0.115
2541.	0.391	6244.	0.115
2542.	0.388	6245.	0.115
2543.	0.4	6246.	0.118
2544.	0.401	6247.	0.107
2545.	0.401	6248.	0.115
2546.	0.391	6249.	0.111
2547.	0.406	6250.	0.117
2548.	0.393	6251.	0.123
2549.	0.395	6252.	0.116
2550.	0.393	6253.	0.118
2551.	0.393	6254.	0.105
2552.	0.389	6255.	0.117
2553.	0.393	6256.	0.112
2554.	0.397	6257.	0.113
2555.	0.404	6258.	0.115
2556.	0.389	6259.	0.109
2557.	0.391	6260.	0.115
2558.	0.393	6261.	0.113
2559.	0.399	6262.	0.115
2560.	0.389	6263.	0.113
2561.	0.393	6264.	0.117
2562.	0.393	6265.	0.107
2563.	0.389	6266.	0.109
2564.	0.384	6267.	0.115
2565.	0.388	6268.	0.115
2566.	0.395	6269.	0.12
2567.	0.384	6270.	0.113
2568.	0.393	6271.	0.115
2569.	0.391	6272.	0.113
2570.	0.389	6273.	0.117
2571.	0.395	6274.	0.113
2572.	0.391	6275.	0.113
2573.	0.389	6276.	0.116
2574.	0.388	6277.	0.1
2575.	0.386	6278.	0.107
2576.	0.384	6279.	0.104
2577.	0.399	6280.	0.109
2578.	0.382	6281.	0.113
2579.	0.391	6282.	0.109
2580.	0.378	6283.	0.104
2581.	0.397	6284.	0.109
2582.	0.391	6285.	0.104
2583.	0.389	6286.	0.098
2584.	0.391	6287.	0.109
2585.	0.382	6288.	0.11
2586.	0.391	6289.	0.102
2587.	0.384	6290.	0.117
2588.	0.382	6291.	0.11
2589.	0.384	6292.	0.123
2590.	0.393	6293.	0.113

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2591.	0.393	6294.	0.109
2592.	0.38	6295.	0.118
2593.	0.376	6296.	0.121
2594.	0.384	6297.	0.114
2595.	0.384	6298.	0.113
2596.	0.391	6299.	0.106
2597.	0.382	6300.	0.118
2598.	0.384	6301.	0.122
2599.	0.384	6302.	0.12
2600.	0.397	6303.	0.109
2601.	0.391	6304.	0.115
2602.	0.388	6305.	0.113
2603.	0.386	6306.	0.113
2604.	0.388	6307.	0.116
2605.	0.386	6308.	0.113
2606.	0.382	6309.	0.107
2607.	0.384	6310.	0.115
2608.	0.381	6311.	0.113
2609.	0.38	6312.	0.115
2610.	0.378	6313.	0.117
2611.	0.388	6314.	0.118
2612.	0.378	6315.	0.123
2613.	0.382	6316.	0.113
2614.	0.389	6317.	0.109
2615.	0.386	6318.	0.12
2616.	0.386	6319.	0.122
2617.	0.388	6320.	0.117
2618.	0.382	6321.	0.113
2619.	0.395	6322.	0.115
2620.	0.384	6323.	0.107
2621.	0.389	6324.	0.1
2622.	0.382	6325.	0.115
2623.	0.388	6326.	0.12
2624.	0.382	6327.	0.109
2625.	0.384	6328.	0.124
2626.	0.391	6329.	0.111
2627.	0.386	6330.	0.121
2628.	0.386	6331.	0.113
2629.	0.391	6332.	0.111
2630.	0.389	6333.	0.124
2631.	0.386	6334.	0.118
2632.	0.388	6335.	0.113
2633.	0.388	6336.	0.107
2634.	0.388	6337.	0.117
2635.	0.388	6338.	0.117
2636.	0.382	6339.	0.121
2637.	0.388	6340.	0.116
2638.	0.384	6341.	0.112
2639.	0.389	6342.	0.115
2640.	0.376	6343.	0.118
2641.	0.384	6344.	0.114
2642.	0.38	6345.	0.118
2643.	0.388	6346.	0.114
2644.	0.378	6347.	0.111
2645.	0.386	6348.	0.109

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2646.	0.374	6349.	0.11
2647.	0.374	6350.	0.113
2648.	0.382	6351.	0.111
2649.	0.38	6352.	0.112
2650.	0.386	6353.	0.106
2651.	0.373	6354.	0.115
2652.	0.385	6355.	0.115
2653.	0.376	6356.	0.108
2654.	0.378	6357.	0.109
2655.	0.382	6358.	0.117
2656.	0.384	6359.	0.107
2657.	0.384	6360.	0.113
2658.	0.388	6361.	0.104
2659.	0.367	6362.	0.111
2660.	0.38	6363.	0.111
2661.	0.376	6364.	0.113
2662.	0.38	6365.	0.109
2663.	0.374	6366.	0.12
2664.	0.395	6367.	0.117
2665.	0.376	6368.	0.113
2666.	0.371	6369.	0.11
2667.	0.369	6370.	0.105
2668.	0.374	6371.	0.103
2669.	0.365	6372.	0.115
2670.	0.382	6373.	0.116
2671.	0.38	6374.	0.115
2672.	0.38	6375.	0.117
2673.	0.378	6376.	0.105
2674.	0.363	6377.	0.107
2675.	0.376	6378.	0.117
2676.	0.374	6379.	0.102
2677.	0.374	6380.	0.105
2678.	0.376	6381.	0.113
2679.	0.376	6382.	0.102
2680.	0.371	6383.	0.112
2681.	0.374	6384.	0.115
2682.	0.369	6385.	0.113
2683.	0.371	6386.	0.114
2684.	0.369	6387.	0.107
2685.	0.367	6388.	0.104
2686.	0.38	6389.	0.111
2687.	0.38	6390.	0.109
2688.	0.384	6391.	0.107
2689.	0.37	6392.	0.115
2690.	0.373	6393.	0.106
2691.	0.373	6394.	0.102
2692.	0.376	6395.	0.108
2693.	0.365	6396.	0.09
2694.	0.376	6397.	0.111
2695.	0.373	6398.	0.105
2696.	0.369	6399.	0.108
2697.	0.378	6400.	0.107
2698.	0.378	6401.	0.106
2699.	0.367	6402.	0.1
2700.	0.376	6403.	0.104

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2701.	0.371	6404.	0.113
2702.	0.376	6405.	0.105
2703.	0.373	6406.	0.102
2704.	0.384	6407.	0.104
2705.	0.361	6408.	0.111
2706.	0.38	6409.	0.113
2707.	0.369	6410.	0.12
2708.	0.371	6411.	0.109
2709.	0.38	6412.	0.111
2710.	0.371	6413.	0.113
2711.	0.367	6414.	0.107
2712.	0.374	6415.	0.113
2713.	0.374	6416.	0.107
2714.	0.371	6417.	0.104
2715.	0.371	6418.	0.105
2716.	0.373	6419.	0.096
2717.	0.368	6420.	0.107
2718.	0.378	6421.	0.107
2719.	0.373	6422.	0.109
2720.	0.373	6423.	0.113
2721.	0.369	6424.	0.107
2722.	0.374	6425.	0.105
2723.	0.374	6426.	0.109
2724.	0.369	6427.	0.107
2725.	0.361	6428.	0.109
2726.	0.373	6429.	0.113
2727.	0.37	6430.	0.113
2728.	0.371	6431.	0.104
2729.	0.373	6432.	0.111
2730.	0.371	6433.	0.104
2731.	0.369	6434.	0.098
2732.	0.365	6435.	0.109
2733.	0.367	6436.	0.109
2734.	0.367	6437.	0.105
2735.	0.363	6438.	0.104
2736.	0.361	6439.	0.099
2737.	0.367	6440.	0.111
2738.	0.371	6441.	0.107
2739.	0.365	6442.	0.102
2740.	0.361	6443.	0.115
2741.	0.367	6444.	0.111
2742.	0.378	6445.	0.107
2743.	0.369	6446.	0.111
2744.	0.361	6447.	0.105
2745.	0.36	6448.	0.098
2746.	0.369	6449.	0.107
2747.	0.363	6450.	0.109
2748.	0.367	6451.	0.107
2749.	0.36	6452.	0.107
2750.	0.361	6453.	0.113
2751.	0.363	6454.	0.1
2752.	0.36	6455.	0.104
2753.	0.369	6456.	0.104
2754.	0.35	6457.	0.117
2755.	0.36	6458.	0.113

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2756.	0.356	6459.	0.107
2757.	0.369	6460.	0.102
2758.	0.365	6461.	0.102
2759.	0.363	6462.	0.109
2760.	0.363	6463.	0.102
2761.	0.367	6464.	0.111
2762.	0.371	6465.	0.11
2763.	0.369	6466.	0.107
2764.	0.358	6467.	0.114
2765.	0.374	6468.	0.105
2766.	0.367	6469.	0.109
2767.	0.366	6470.	0.111
2768.	0.36	6471.	0.102
2769.	0.369	6472.	0.109
2770.	0.356	6473.	0.107
2771.	0.361	6474.	0.107
2772.	0.35	6475.	0.102
2773.	0.361	6476.	0.111
2774.	0.357	6477.	0.1
2775.	0.35	6478.	0.107
2776.	0.358	6479.	0.098
2777.	0.363	6480.	0.112
2778.	0.361	6481.	0.111
2779.	0.368	6482.	0.107
2780.	0.365	6483.	0.113
2781.	0.365	6484.	0.113
2782.	0.367	6485.	0.113
2783.	0.363	6486.	0.12
2784.	0.361	6487.	0.105
2785.	0.356	6488.	0.105
2786.	0.358	6489.	0.107
2787.	0.36	6490.	0.104
2788.	0.361	6491.	0.104
2789.	0.36	6492.	0.111
2790.	0.365	6493.	0.102
2791.	0.358	6494.	0.106
2792.	0.358	6495.	0.113
2793.	0.358	6496.	0.109
2794.	0.356	6497.	0.109
2795.	0.36	6498.	0.102
2796.	0.354	6499.	0.111
2797.	0.358	6500.	0.105
2798.	0.354	6501.	0.107
2799.	0.354	6502.	0.107
2800.	0.36	6503.	0.107
2801.	0.36	6504.	0.109
2802.	0.361	6505.	0.11
2803.	0.36	6506.	0.115
2804.	0.367	6507.	0.111
2805.	0.356	6508.	0.104
2806.	0.36	6509.	0.096
2807.	0.356	6510.	0.105
2808.	0.358	6511.	0.1
2809.	0.363	6512.	0.104
2810.	0.36	6513.	0.102

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2811.	0.356	6514.	0.104
2812.	0.356	6515.	0.108
2813.	0.356	6516.	0.108
2814.	0.358	6517.	0.109
2815.	0.352	6518.	0.105
2816.	0.363	6519.	0.113
2817.	0.354	6520.	0.102
2818.	0.356	6521.	0.098
2819.	0.346	6522.	0.111
2820.	0.363	6523.	0.108
2821.	0.346	6524.	0.107
2822.	0.367	6525.	0.096
2823.	0.36	6526.	0.102
2824.	0.356	6527.	0.107
2825.	0.358	6528.	0.102
2826.	0.356	6529.	0.107
2827.	0.363	6530.	0.108
2828.	0.36	6531.	0.102
2829.	0.352	6532.	0.098
2830.	0.348	6533.	0.117
2831.	0.361	6534.	0.1
2832.	0.345	6535.	0.111
2833.	0.356	6536.	0.104
2834.	0.352	6537.	0.107
2835.	0.341	6538.	0.109
2836.	0.356	6539.	0.105
2837.	0.345	6540.	0.109
2838.	0.352	6541.	0.107
2839.	0.361	6542.	0.105
2840.	0.35	6543.	0.109
2841.	0.365	6544.	0.107
2842.	0.345	6545.	0.109
2843.	0.352	6546.	0.104
2844.	0.35	6547.	0.107
2845.	0.361	6548.	0.102
2846.	0.354	6549.	0.107
2847.	0.343	6550.	0.104
2848.	0.356	6551.	0.109
2849.	0.352	6552.	0.107
2850.	0.35	6553.	0.105
2851.	0.361	6554.	0.111
2852.	0.35	6555.	0.114
2853.	0.35	6556.	0.107
2854.	0.345	6557.	0.107
2855.	0.354	6558.	0.098
2856.	0.35	6559.	0.092
2857.	0.361	6560.	0.109
2858.	0.35	6561.	0.1
2859.	0.356	6562.	0.111
2860.	0.358	6563.	0.098
2861.	0.352	6564.	0.105
2862.	0.348	6565.	0.105
2863.	0.337	6566.	0.107
2864.	0.345	6567.	0.1
2865.	0.35	6568.	0.098

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2866.	0.351	6569.	0.102
2867.	0.36	6570.	0.104
2868.	0.345	6571.	0.105
2869.	0.354	6572.	0.094
2870.	0.361	6573.	0.1
2871.	0.35	6574.	0.105
2872.	0.339	6575.	0.103
2873.	0.354	6576.	0.106
2874.	0.341	6577.	0.096
2875.	0.35	6578.	0.107
2876.	0.346	6579.	0.113
2877.	0.348	6580.	0.096
2878.	0.348	6581.	0.098
2879.	0.346	6582.	0.102
2880.	0.348	6583.	0.104
2881.	0.337	6584.	0.111
2882.	0.348	6585.	0.104
2883.	0.35	6586.	0.112
2884.	0.341	6587.	0.098
2885.	0.345	6588.	0.105
2886.	0.346	6589.	0.109
2887.	0.346	6590.	0.1
2888.	0.348	6591.	0.108
2889.	0.343	6592.	0.108
2890.	0.339	6593.	0.096
2891.	0.345	6594.	0.109
2892.	0.343	6595.	0.102
2893.	0.346	6596.	0.107
2894.	0.345	6597.	0.092
2895.	0.348	6598.	0.109
2896.	0.35	6599.	0.094
2897.	0.352	6600.	0.102
2898.	0.35	6601.	0.1
2899.	0.343	6602.	0.112
2900.	0.354	6603.	0.105
2901.	0.352	6604.	0.105
2902.	0.352	6605.	0.102
2903.	0.337	6606.	0.107
2904.	0.343	6607.	0.113
2905.	0.339	6608.	0.105
2906.	0.337	6609.	0.107
2907.	0.347	6610.	0.107
2908.	0.348	6611.	0.102
2909.	0.348	6612.	0.104
2910.	0.343	6613.	0.113
2911.	0.333	6614.	0.109
2912.	0.354	6615.	0.113
2913.	0.343	6616.	0.115
2914.	0.339	6617.	0.111
2915.	0.345	6618.	0.109
2916.	0.348	6619.	0.108
2917.	0.346	6620.	0.104
2918.	0.339	6621.	0.108
2919.	0.352	6622.	0.098
2920.	0.337	6623.	0.1

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2921.	0.339	6624.	0.107
2922.	0.343	6625.	0.117
2923.	0.345	6626.	0.107
2924.	0.339	6627.	0.109
2925.	0.341	6628.	0.102
2926.	0.337	6629.	0.1
2927.	0.341	6630.	0.109
2928.	0.335	6631.	0.105
2929.	0.337	6632.	0.107
2930.	0.335	6633.	0.109
2931.	0.345	6634.	0.104
2932.	0.337	6635.	0.1
2933.	0.34	6636.	0.105
2934.	0.346	6637.	0.1
2935.	0.341	6638.	0.113
2936.	0.345	6639.	0.092
2937.	0.341	6640.	0.1
2938.	0.348	6641.	0.115
2939.	0.343	6642.	0.104
2940.	0.333	6643.	0.104
2941.	0.339	6644.	0.096
2942.	0.345	6645.	0.105
2943.	0.337	6646.	0.104
2944.	0.345	6647.	0.096
2945.	0.35	6648.	0.105
2946.	0.341	6649.	0.1
2947.	0.339	6650.	0.098
2948.	0.343	6651.	0.102
2949.	0.339	6652.	0.107
2950.	0.335	6653.	0.098
2951.	0.33	6654.	0.096
2952.	0.337	6655.	0.102
2953.	0.341	6656.	0.094
2954.	0.348	6657.	0.102
2955.	0.333	6658.	0.107
2956.	0.335	6659.	0.092
2957.	0.33	6660.	0.098
2958.	0.343	6661.	0.095
2959.	0.333	6662.	0.104
2960.	0.332	6663.	0.089
2961.	0.343	6664.	0.1
2962.	0.341	6665.	0.102
2963.	0.332	6666.	0.107
2964.	0.345	6667.	0.096
2965.	0.33	6668.	0.1
2966.	0.331	6669.	0.099
2967.	0.333	6670.	0.105
2968.	0.335	6671.	0.107
2969.	0.332	6672.	0.104
2970.	0.328	6673.	0.098
2971.	0.333	6674.	0.098
2972.	0.337	6675.	0.092
2973.	0.335	6676.	0.105
2974.	0.339	6677.	0.102
2975.	0.341	6678.	0.094

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2976.	0.345	6679.	0.107
2977.	0.332	6680.	0.111
2978.	0.337	6681.	0.102
2979.	0.341	6682.	0.1
2980.	0.337	6683.	0.096
2981.	0.332	6684.	0.098
2982.	0.339	6685.	0.104
2983.	0.33	6686.	0.107
2984.	0.337	6687.	0.098
2985.	0.335	6688.	0.104
2986.	0.341	6689.	0.096
2987.	0.345	6690.	0.102
2988.	0.339	6691.	0.105
2989.	0.333	6692.	0.096
2990.	0.337	6693.	0.098
2991.	0.329	6694.	0.096
2992.	0.328	6695.	0.109
2993.	0.337	6696.	0.1
2994.	0.333	6697.	0.1
2995.	0.345	6698.	0.089
2996.	0.337	6699.	0.102
2997.	0.335	6700.	0.099
2998.	0.324	6701.	0.09
2999.	0.343	6702.	0.102
3000.	0.332	6703.	0.098
3001.	0.333	6704.	0.098
3002.	0.333	6705.	0.104
3003.	0.326	6706.	0.1
3004.	0.326	6707.	0.09
3005.	0.333	6708.	0.1
3006.	0.326	6709.	0.092
3007.	0.333	6710.	0.098
3008.	0.33	6711.	0.098
3009.	0.332	6712.	0.1
3010.	0.328	6713.	0.098
3011.	0.326	6714.	0.089
3012.	0.33	6715.	0.094
3013.	0.33	6716.	0.092
3014.	0.324	6717.	0.098
3015.	0.33	6718.	0.098
3016.	0.317	6719.	0.102
3017.	0.324	6720.	0.104
3018.	0.332	6721.	0.102
3019.	0.333	6722.	0.094
3020.	0.33	6723.	0.098
3021.	0.332	6724.	0.107
3022.	0.324	6725.	0.105
3023.	0.326	6726.	0.096
3024.	0.326	6727.	0.104
3025.	0.318	6728.	0.104
3026.	0.337	6729.	0.098
3027.	0.337	6730.	0.096
3028.	0.326	6731.	0.105
3029.	0.324	6732.	0.1
3030.	0.324	6733.	0.1

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3031.	0.326	6734.	0.1
3032.	0.328	6735.	0.113
3033.	0.343	6736.	0.104
3034.	0.332	6737.	0.104
3035.	0.328	6738.	0.098
3036.	0.332	6739.	0.094
3037.	0.324	6740.	0.104
3038.	0.324	6741.	0.1
3039.	0.333	6742.	0.098
3040.	0.315	6743.	0.103
3041.	0.341	6744.	0.1
3042.	0.32	6745.	0.09
3043.	0.333	6746.	0.1
3044.	0.332	6747.	0.102
3045.	0.318	6748.	0.098
3046.	0.324	6749.	0.104
3047.	0.326	6750.	0.094
3048.	0.333	6751.	0.096
3049.	0.316	6752.	0.1
3050.	0.322	6753.	0.098
3051.	0.324	6754.	0.105
3052.	0.335	6755.	0.101
3053.	0.32	6756.	0.098
3054.	0.324	6757.	0.092
3055.	0.326	6758.	0.107
3056.	0.324	6759.	0.098
3057.	0.32	6760.	0.101
3058.	0.32	6761.	0.104
3059.	0.324	6762.	0.1
3060.	0.328	6763.	0.1
3061.	0.332	6764.	0.102
3062.	0.324	6765.	0.087
3063.	0.317	6766.	0.093
3064.	0.322	6767.	0.096
3065.	0.32	6768.	0.107
3066.	0.326	6769.	0.1
3067.	0.333	6770.	0.1
3068.	0.333	6771.	0.102
3069.	0.32	6772.	0.102
3070.	0.328	6773.	0.102
3071.	0.315	6774.	0.098
3072.	0.322	6775.	0.096
3073.	0.322	6776.	0.104
3074.	0.322	6777.	0.1
3075.	0.315	6778.	0.092
3076.	0.322	6779.	0.103
3077.	0.324	6780.	0.087
3078.	0.317	6781.	0.092
3079.	0.323	6782.	0.096
3080.	0.319	6783.	0.102
3081.	0.32	6784.	0.092
3082.	0.317	6785.	0.087
3083.	0.317	6786.	0.092
3084.	0.317	6787.	0.098
3085.	0.317	6788.	0.097

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3086.	0.322	6789.	0.096
3087.	0.317	6790.	0.098
3088.	0.32	6791.	0.092
3089.	0.315	6792.	0.104
3090.	0.313	6793.	0.098
3091.	0.317	6794.	0.09
3092.	0.318	6795.	0.094
3093.	0.315	6796.	0.105
3094.	0.326	6797.	0.105
3095.	0.313	6798.	0.098
3096.	0.33	6799.	0.1
3097.	0.32	6800.	0.085
3098.	0.317	6801.	0.1
3099.	0.318	6802.	0.096
3100.	0.317	6803.	0.094
3101.	0.317	6804.	0.108
3102.	0.314	6805.	0.09
3103.	0.328	6806.	0.098
3104.	0.317	6807.	0.098
3105.	0.322	6808.	0.098
3106.	0.32	6809.	0.104
3107.	0.328	6810.	0.094
3108.	0.318	6811.	0.105
3109.	0.322	6812.	0.104
3110.	0.317	6813.	0.102
3111.	0.317	6814.	0.087
3112.	0.322	6815.	0.096
3113.	0.318	6816.	0.093
3114.	0.307	6817.	0.092
3115.	0.315	6818.	0.096
3116.	0.32	6819.	0.102
3117.	0.324	6820.	0.1
3118.	0.318	6821.	0.09
3119.	0.316	6822.	0.1
3120.	0.311	6823.	0.1
3121.	0.315	6824.	0.089
3122.	0.305	6825.	0.098
3123.	0.315	6826.	0.096
3124.	0.305	6827.	0.09
3125.	0.318	6828.	0.098
3126.	0.309	6829.	0.098
3127.	0.315	6830.	0.1
3128.	0.311	6831.	0.09
3129.	0.311	6832.	0.096
3130.	0.309	6833.	0.102
3131.	0.311	6834.	0.089
3132.	0.317	6835.	0.1
3133.	0.32	6836.	0.094
3134.	0.32	6837.	0.09
3135.	0.311	6838.	0.087
3136.	0.32	6839.	0.092
3137.	0.309	6840.	0.092
3138.	0.305	6841.	0.102
3139.	0.307	6842.	0.098
3140.	0.315	6843.	0.098

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3141.	0.316	6844.	0.092
3142.	0.317	6845.	0.102
3143.	0.305	6846.	0.096
3144.	0.315	6847.	0.094
3145.	0.311	6848.	0.094
3146.	0.318	6849.	0.089
3147.	0.309	6850.	0.104
3148.	0.307	6851.	0.09
3149.	0.303	6852.	0.09
3150.	0.315	6853.	0.09
3151.	0.313	6854.	0.09
3152.	0.307	6855.	0.085
3153.	0.311	6856.	0.102
3154.	0.305	6857.	0.108
3155.	0.322	6858.	0.098
3156.	0.315	6859.	0.095
3157.	0.311	6860.	0.098
3158.	0.313	6861.	0.085
3159.	0.317	6862.	0.098
3160.	0.309	6863.	0.089
3161.	0.311	6864.	0.09
3162.	0.315	6865.	0.09
3163.	0.309	6866.	0.1
3164.	0.311	6867.	0.1
3165.	0.317	6868.	0.098
3166.	0.308	6869.	0.09
3167.	0.311	6870.	0.087
3168.	0.309	6871.	0.09
3169.	0.315	6872.	0.09
3170.	0.318	6873.	0.089
3171.	0.317	6874.	0.096
3172.	0.31	6875.	0.09
3173.	0.303	6876.	0.083
3174.	0.307	6877.	0.093
3175.	0.309	6878.	0.1
3176.	0.307	6879.	0.094
3177.	0.298	6880.	0.086
3178.	0.311	6881.	0.092
3179.	0.306	6882.	0.089
3180.	0.314	6883.	0.089
3181.	0.311	6884.	0.09
3182.	0.305	6885.	0.094
3183.	0.313	6886.	0.092
3184.	0.313	6887.	0.087
3185.	0.311	6888.	0.092
3186.	0.309	6889.	0.084
3187.	0.307	6890.	0.09
3188.	0.313	6891.	0.089
3189.	0.307	6892.	0.09
3190.	0.315	6893.	0.09
3191.	0.32	6894.	0.094
3192.	0.314	6895.	0.085
3193.	0.317	6896.	0.092
3194.	0.302	6897.	0.089
3195.	0.309	6898.	0.09

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3196.	0.311	6899.	0.098
3197.	0.309	6900.	0.096
3198.	0.302	6901.	0.081
3199.	0.313	6902.	0.094
3200.	0.3	6903.	0.089
3201.	0.3	6904.	0.098
3202.	0.305	6905.	0.102
3203.	0.311	6906.	0.081
3204.	0.303	6907.	0.087
3205.	0.303	6908.	0.093
3206.	0.303	6909.	0.094
3207.	0.303	6910.	0.087
3208.	0.316	6911.	0.087
3209.	0.303	6912.	0.085
3210.	0.311	6913.	0.097
3211.	0.313	6914.	0.096
3212.	0.311	6915.	0.092
3213.	0.313	6916.	0.087
3214.	0.302	6917.	0.083
3215.	0.302	6918.	0.09
3216.	0.311	6919.	0.09
3217.	0.311	6920.	0.083
3218.	0.307	6921.	0.09
3219.	0.306	6922.	0.087
3220.	0.309	6923.	0.09
3221.	0.303	6924.	0.087
3222.	0.307	6925.	0.085
3223.	0.302	6926.	0.081
3224.	0.311	6927.	0.087
3225.	0.307	6928.	0.083
3226.	0.303	6929.	0.094
3227.	0.298	6930.	0.094
3228.	0.307	6931.	0.083
3229.	0.296	6932.	0.089
3230.	0.298	6933.	0.087
3231.	0.302	6934.	0.086
3232.	0.302	6935.	0.09
3233.	0.302	6936.	0.089
3234.	0.3	6937.	0.092
3235.	0.302	6938.	0.083
3236.	0.298	6939.	0.087
3237.	0.303	6940.	0.09
3238.	0.311	6941.	0.083
3239.	0.303	6942.	0.087
3240.	0.311	6943.	0.092
3241.	0.305	6944.	0.089
3242.	0.303	6945.	0.083
3243.	0.3	6946.	0.085
3244.	0.305	6947.	0.092
3245.	0.296	6948.	0.092
3246.	0.3	6949.	0.081
3247.	0.307	6950.	0.094
3248.	0.309	6951.	0.094
3249.	0.296	6952.	0.092
3250.	0.302	6953.	0.094

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3251.	0.305	6954.	0.085
3252.	0.3	6955.	0.089
3253.	0.305	6956.	0.089
3254.	0.308	6957.	0.094
3255.	0.302	6958.	0.092
3256.	0.303	6959.	0.094
3257.	0.306	6960.	0.09
3258.	0.3	6961.	0.09
3259.	0.302	6962.	0.089
3260.	0.311	6963.	0.081
3261.	0.298	6964.	0.09
3262.	0.307	6965.	0.085
3263.	0.309	6966.	0.088
3264.	0.298	6967.	0.084
3265.	0.303	6968.	0.091
3266.	0.294	6969.	0.083
3267.	0.292	6970.	0.079
3268.	0.294	6971.	0.087
3269.	0.296	6972.	0.087
3270.	0.298	6973.	0.085
3271.	0.298	6974.	0.087
3272.	0.294	6975.	0.087
3273.	0.29	6976.	0.094
3274.	0.296	6977.	0.085
3275.	0.302	6978.	0.1
3276.	0.285	6979.	0.089
3277.	0.3	6980.	0.091
3278.	0.296	6981.	0.098
3279.	0.302	6982.	0.076
3280.	0.305	6983.	0.085
3281.	0.29	6984.	0.096
3282.	0.303	6985.	0.092
3283.	0.298	6986.	0.087
3284.	0.294	6987.	0.087
3285.	0.294	6988.	0.092
3286.	0.305	6989.	0.087
3287.	0.293	6990.	0.086
3288.	0.313	6991.	0.087
3289.	0.302	6992.	0.087
3290.	0.3	6993.	0.09
3291.	0.302	6994.	0.09
3292.	0.3	6995.	0.087
3293.	0.29	6996.	0.083
3294.	0.294	6997.	0.087
3295.	0.29	6998.	0.083
3296.	0.299	6999.	0.094
3297.	0.298	7000.	0.085
3298.	0.305	7001.	0.079
3299.	0.294	7002.	0.089
3300.	0.296	7003.	0.09
3301.	0.297	7004.	0.09
3302.	0.292	7005.	0.083
3303.	0.296	7006.	0.085
3304.	0.292	7007.	0.092
3305.	0.283	7008.	0.089

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3306.	0.289	7009.	0.087
3307.	0.29	7010.	0.089
3308.	0.292	7011.	0.079
3309.	0.294	7012.	0.092
3310.	0.301	7013.	0.089
3311.	0.292	7014.	0.081
3312.	0.289	7015.	0.085
3313.	0.302	7016.	0.085
3314.	0.3	7017.	0.089
3315.	0.298	7018.	0.087
3316.	0.294	7019.	0.092
3317.	0.296	7020.	0.092
3318.	0.296	7021.	0.098
3319.	0.294	7022.	0.085
3320.	0.289	7023.	0.085
3321.	0.292	7024.	0.081
3322.	0.29	7025.	0.079
3323.	0.283	7026.	0.079
3324.	0.298	7027.	0.087
3325.	0.292	7028.	0.083
3326.	0.292	7029.	0.085
3327.	0.296	7030.	0.081
3328.	0.292	7031.	0.083
3329.	0.296	7032.	0.089
3330.	0.292	7033.	0.1
3331.	0.293	7034.	0.081
3332.	0.279	7035.	0.077
3333.	0.29	7036.	0.077
3334.	0.285	7037.	0.089
3335.	0.291	7038.	0.072
3336.	0.3	7039.	0.087
3337.	0.285	7040.	0.083
3338.	0.289	7041.	0.089
3339.	0.292	7042.	0.092
3340.	0.3	7043.	0.081
3341.	0.287	7044.	0.072
3342.	0.29	7045.	0.077
3343.	0.283	7046.	0.087
3344.	0.292	7047.	0.085
3345.	0.287	7048.	0.077
3346.	0.289	7049.	0.085
3347.	0.29	7050.	0.083
3348.	0.289	7051.	0.083
3349.	0.279	7052.	0.087
3350.	0.289	7053.	0.079
3351.	0.302	7054.	0.074
3352.	0.293	7055.	0.076
3353.	0.286	7056.	0.079
3354.	0.292	7057.	0.08
3355.	0.281	7058.	0.081
3356.	0.289	7059.	0.087
3357.	0.294	7060.	0.083
3358.	0.296	7061.	0.094
3359.	0.293	7062.	0.081
3360.	0.3	7063.	0.085

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3361.	0.294	7064.	0.083
3362.	0.289	7065.	0.081
3363.	0.296	7066.	0.077
3364.	0.294	7067.	0.087
3365.	0.294	7068.	0.079
3366.	0.292	7069.	0.076
3367.	0.29	7070.	0.085
3368.	0.29	7071.	0.088
3369.	0.294	7072.	0.085
3370.	0.292	7073.	0.085
3371.	0.298	7074.	0.085
3372.	0.287	7075.	0.089
3373.	0.29	7076.	0.081
3374.	0.289	7077.	0.079
3375.	0.3	7078.	0.077
3376.	0.294	7079.	0.076
3377.	0.29	7080.	0.081
3378.	0.297	7081.	0.089
3379.	0.294	7082.	0.087
3380.	0.294	7083.	0.081
3381.	0.29	7084.	0.074
3382.	0.3	7085.	0.081
3383.	0.296	7086.	0.079
3384.	0.285	7087.	0.079
3385.	0.285	7088.	0.083
3386.	0.293	7089.	0.076
3387.	0.294	7090.	0.076
3388.	0.29	7091.	0.083
3389.	0.289	7092.	0.094
3390.	0.285	7093.	0.079
3391.	0.291	7094.	0.077
3392.	0.283	7095.	0.085
3393.	0.29	7096.	0.072
3394.	0.287	7097.	0.072
3395.	0.285	7098.	0.077
3396.	0.294	7099.	0.076
3397.	0.289	7100.	0.083
3398.	0.296	7101.	0.077
3399.	0.289	7102.	0.077
3400.	0.296	7103.	0.077
3401.	0.281	7104.	0.085
3402.	0.285	7105.	0.079
3403.	0.279	7106.	0.083
3404.	0.29	7107.	0.079
3405.	0.285	7108.	0.079
3406.	0.289	7109.	0.092
3407.	0.287	7110.	0.072
3408.	0.29	7111.	0.079
3409.	0.294	7112.	0.089
3410.	0.287	7113.	0.085
3411.	0.29	7114.	0.089
3412.	0.289	7115.	0.087
3413.	0.289	7116.	0.076
3414.	0.281	7117.	0.074
3415.	0.289	7118.	0.085

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3416.	0.294	7119.	0.09
3417.	0.281	7120.	0.086
3418.	0.283	7121.	0.076
3419.	0.283	7122.	0.087
3420.	0.289	7123.	0.083
3421.	0.285	7124.	0.083
3422.	0.281	7125.	0.087
3423.	0.274	7126.	0.08
3424.	0.281	7127.	0.089
3425.	0.279	7128.	0.089
3426.	0.287	7129.	0.085
3427.	0.283	7130.	0.079
3428.	0.279	7131.	0.076
3429.	0.285	7132.	0.081
3430.	0.281	7133.	0.085
3431.	0.283	7134.	0.068
3432.	0.29	7135.	0.089
3433.	0.279	7136.	0.081
3434.	0.282	7137.	0.084
3435.	0.285	7138.	0.079
3436.	0.279	7139.	0.081
3437.	0.274	7140.	0.081
3438.	0.281	7141.	0.085
3439.	0.284	7142.	0.078
3440.	0.289	7143.	0.083
3441.	0.272	7144.	0.089
3442.	0.277	7145.	0.081
3443.	0.279	7146.	0.083
3444.	0.292	7147.	0.076
3445.	0.29	7148.	0.089
3446.	0.278	7149.	0.098
3447.	0.287	7150.	0.08
3448.	0.283	7151.	0.083
3449.	0.285	7152.	0.076
3450.	0.289	7153.	0.076
3451.	0.275	7154.	0.089
3452.	0.283	7155.	0.077
3453.	0.278	7156.	0.083
3454.	0.277	7157.	0.085
3455.	0.279	7158.	0.089
3456.	0.277	7159.	0.09
3457.	0.285	7160.	0.085
3458.	0.285	7161.	0.07
3459.	0.277	7162.	0.079
3460.	0.279	7163.	0.081
3461.	0.285	7164.	0.087
3462.	0.285	7165.	0.076
3463.	0.286	7166.	0.083
3464.	0.29	7167.	0.089
3465.	0.29	7168.	0.087
3466.	0.285	7169.	0.085
3467.	0.277	7170.	0.076
3468.	0.285	7171.	0.079
3469.	0.299	7172.	0.083
3470.	0.281	7173.	0.081

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3471.	0.275	7174.	0.083
3472.	0.275	7175.	0.079
3473.	0.277	7176.	0.079
3474.	0.279	7177.	0.083
3475.	0.278	7178.	0.087
3476.	0.289	7179.	0.081
3477.	0.279	7180.	0.077
3478.	0.285	7181.	0.081
3479.	0.278	7182.	0.081
3480.	0.279	7183.	0.085
3481.	0.282	7184.	0.087
3482.	0.289	7185.	0.076
3483.	0.277	7186.	0.077
3484.	0.283	7187.	0.085
3485.	0.281	7188.	0.077
3486.	0.272	7189.	0.083
3487.	0.285	7190.	0.087
3488.	0.283	7191.	0.079
3489.	0.283	7192.	0.089
3490.	0.283	7193.	0.074
3491.	0.275	7194.	0.085
3492.	0.283	7195.	0.079
3493.	0.28	7196.	0.083
3494.	0.279	7197.	0.083
3495.	0.283	7198.	0.079
3496.	0.285	7199.	0.077
3497.	0.281	7200.	0.076
3498.	0.281	7201.	0.089
3499.	0.287	7202.	0.076
3500.	0.284	7203.	0.086
3501.	0.281	7204.	0.087
3502.	0.281	7205.	0.076
3503.	0.272	7206.	0.076
3504.	0.285	7207.	0.079
3505.	0.281	7208.	0.089
3506.	0.289	7209.	0.087
3507.	0.284	7210.	0.079
3508.	0.272	7211.	0.08
3509.	0.282	7212.	0.087
3510.	0.279	7213.	0.07
3511.	0.279	7214.	0.087
3512.	0.275	7215.	0.089
3513.	0.283	7216.	0.092
3514.	0.279	7217.	0.081
3515.	0.285	7218.	0.079
3516.	0.268	7219.	0.079
3517.	0.278	7220.	0.081
3518.	0.285	7221.	0.083
3519.	0.277	7222.	0.089
3520.	0.275	7223.	0.085
3521.	0.272	7224.	0.076
3522.	0.275	7225.	0.079
3523.	0.262	7226.	0.074
3524.	0.283	7227.	0.079
3525.	0.274	7228.	0.083

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3526.	0.274	7229.	0.074
3527.	0.279	7230.	0.081
3528.	0.274	7231.	0.081
3529.	0.268	7232.	0.079
3530.	0.277	7233.	0.087
3531.	0.274	7234.	0.077
3532.	0.281	7235.	0.072
3533.	0.274	7236.	0.085
3534.	0.264	7237.	0.087
3535.	0.274	7238.	0.085
3536.	0.277	7239.	0.079
3537.	0.268	7240.	0.081
3538.	0.266	7241.	0.068
3539.	0.289	7242.	0.089
3540.	0.279	7243.	0.083
3541.	0.279	7244.	0.094
3542.	0.279	7245.	0.081
3543.	0.272	7246.	0.066
3544.	0.279	7247.	0.077
3545.	0.272	7248.	0.074
3546.	0.272	7249.	0.081
3547.	0.266	7250.	0.076
3548.	0.274	7251.	0.076
3549.	0.281	7252.	0.077
3550.	0.277	7253.	0.077
3551.	0.272	7254.	0.09
3552.	0.273	7255.	0.076
3553.	0.275	7256.	0.085
3554.	0.266	7257.	0.087
3555.	0.277	7258.	0.083
3556.	0.275	7259.	0.081
3557.	0.264	7260.	0.077
3558.	0.277	7261.	0.081
3559.	0.271	7262.	0.079
3560.	0.275	7263.	0.083
3561.	0.264	7264.	0.087
3562.	0.283	7265.	0.076
3563.	0.272	7266.	0.077
3564.	0.262	7267.	0.076
3565.	0.279	7268.	0.068
3566.	0.266	7269.	0.085
3567.	0.274	7270.	0.09
3568.	0.264	7271.	0.081
3569.	0.274	7272.	0.081
3570.	0.275	7273.	0.066
3571.	0.275	7274.	0.081
3572.	0.277	7275.	0.072
3573.	0.272	7276.	0.081
3574.	0.274	7277.	0.07
3575.	0.277	7278.	0.083
3576.	0.272	7279.	0.072
3577.	0.272	7280.	0.083
3578.	0.264	7281.	0.074
3579.	0.259	7282.	0.079
3580.	0.268	7283.	0.085

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3581.	0.266	7284.	0.09
3582.	0.268	7285.	0.083
3583.	0.27	7286.	0.072
3584.	0.266	7287.	0.077
3585.	0.264	7288.	0.083
3586.	0.264	7289.	0.083
3587.	0.265	7290.	0.083
3588.	0.269	7291.	0.085
3589.	0.274	7292.	0.072
3590.	0.265	7293.	0.076
3591.	0.266	7294.	0.081
3592.	0.267	7295.	0.085
3593.	0.274	7296.	0.081
3594.	0.268	7297.	0.083
3595.	0.274	7298.	0.077
3596.	0.274	7299.	0.079
3597.	0.277	7300.	0.079
3598.	0.259	7301.	0.085
3599.	0.27	7302.	0.081
3600.	0.27	7303.	0.079
3601.	0.275	7304.	0.079
3602.	0.272	7305.	0.072
3603.	0.279	7306.	0.079
3604.	0.262	7307.	0.076
3605.	0.274	7308.	0.074
3606.	0.268	7309.	0.081
3607.	0.277	7310.	0.085
3608.	0.262	7311.	0.076
3609.	0.265	7312.	0.081
3610.	0.272	7313.	0.076
3611.	0.272	7314.	0.076
3612.	0.265	7315.	0.076
3613.	0.27	7316.	0.077
3614.	0.268	7317.	0.076
3615.	0.274	7318.	0.074
3616.	0.27	7319.	0.077
3617.	0.27	7320.	0.072
3618.	0.272	7321.	0.079
3619.	0.264	7322.	0.092
3620.	0.269	7323.	0.087
3621.	0.268	7324.	0.094
3622.	0.27	7325.	0.081
3623.	0.266	7326.	0.074
3624.	0.265	7327.	0.085
3625.	0.266	7328.	0.089
3626.	0.274	7329.	0.087
3627.	0.264	7330.	0.074
3628.	0.268	7331.	0.087
3629.	0.263	7332.	0.081
3630.	0.261	7333.	0.076
3631.	0.27	7334.	0.076
3632.	0.262	7335.	0.074
3633.	0.266	7336.	0.076
3634.	0.272	7337.	0.089
3635.	0.266	7338.	0.083

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3636.	0.26	7339.	0.076
3637.	0.27	7340.	0.079
3638.	0.265	7341.	0.081
3639.	0.265	7342.	0.072
3640.	0.274	7343.	0.076
3641.	0.27	7344.	0.083
3642.	0.266	7345.	0.085
3643.	0.264	7346.	0.081
3644.	0.258	7347.	0.081
3645.	0.264	7348.	0.078
3646.	0.262	7349.	0.081
3647.	0.262	7350.	0.085
3648.	0.255	7351.	0.079
3649.	0.262	7352.	0.077
3650.	0.27	7353.	0.07
3651.	0.252	7354.	0.081
3652.	0.261	7355.	0.083
3653.	0.264	7356.	0.083
3654.	0.262	7357.	0.079
3655.	0.269	7358.	0.07
3656.	0.266	7359.	0.072
3657.	0.257	7360.	0.08
3658.	0.264	7361.	0.081
3659.	0.266	7362.	0.08
3660.	0.266	7363.	0.068
3661.	0.272	7364.	0.076
3662.	0.261	7365.	0.079
3663.	0.261	7366.	0.086
3664.	0.248	7367.	0.074
3665.	0.268	7368.	0.079
3666.	0.259	7369.	0.076
3667.	0.257	7370.	0.076
3668.	0.261	7371.	0.083
3669.	0.257	7372.	0.079
3670.	0.26	7373.	0.076
3671.	0.264	7374.	0.083
3672.	0.261	7375.	0.079
3673.	0.259	7376.	0.079
3674.	0.268	7377.	0.068
3675.	0.257	7378.	0.077
3676.	0.266	7379.	0.085
3677.	0.266	7380.	0.083
3678.	0.262	7381.	0.064
3679.	0.266	7382.	0.072
3680.	0.253	7383.	0.083
3681.	0.266	7384.	0.074
3682.	0.262	7385.	0.085
3683.	0.267	7386.	0.072
3684.	0.262	7387.	0.083
3685.	0.254	7388.	0.079
3686.	0.272	7389.	0.079
3687.	0.264	7390.	0.083
3688.	0.257	7391.	0.085
3689.	0.255	7392.	0.076
3690.	0.262	7393.	0.076

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3691.	0.268	7394.	0.085
3692.	0.26	7395.	0.079
3693.	0.264	7396.	0.079
3694.	0.261	7397.	0.076
3695.	0.262	7398.	0.074
3696.	0.251	7399.	0.087
3697.	0.264	7400.	0.074
3698.	0.259	7401.	0.09
3699.	0.26	7402.	0.083
3700.	0.254	7403.	0.077
3701.	0.264	7404.	0.077
3702.	0.255	7405.	0.072
3703.	0.264	7406.	0.081
3704.	0.257	7407.	0.079
3705.	0.262	7408.	0.081
3706.	0.265	7409.	0.077
3707.	0.253	7410.	0.076
3708.	0.261	7411.	0.074
3709.	0.261	7412.	0.076
3710.	0.267	7413.	0.07
3711.	0.264	7414.	0.077
3712.	0.261	7415.	0.077
3713.	0.264	7416.	0.066
3714.	0.249	7417.	0.076
3715.	0.266	7418.	0.076
3716.	0.257	7419.	0.07
3717.	0.251	7420.	0.076
3718.	0.262	7421.	0.07
3719.	0.253	7422.	0.074
3720.	0.261	7423.	0.085
3721.	0.252	7424.	0.081
3722.	0.249	7425.	0.076
3723.	0.261	7426.	0.079
3724.	0.261	7427.	0.077
3725.	0.259	7428.	0.076
3726.	0.255	7429.	0.077
3727.	0.257	7430.	0.089
3728.	0.26	7431.	0.076
3729.	0.251	7432.	0.085
3730.	0.257	7433.	0.081
3731.	0.257	7434.	0.079
3732.	0.259	7435.	0.079
3733.	0.261	7436.	0.081
3734.	0.253	7437.	0.074
3735.	0.262	7438.	0.077
3736.	0.255	7439.	0.072
3737.	0.261	7440.	0.079
3738.	0.264	7441.	0.081
3739.	0.257	7442.	0.085
3740.	0.263	7443.	0.07
3741.	0.261	7444.	0.079
3742.	0.257	7445.	0.076
3743.	0.253	7446.	0.073
3744.	0.264	7447.	0.079
3745.	0.259	7448.	0.069

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3746.	0.247	7449.	0.077
3747.	0.253	7450.	0.077
3748.	0.253	7451.	0.081
3749.	0.249	7452.	0.077
3750.	0.248	7453.	0.074
3751.	0.261	7454.	0.074
3752.	0.262	7455.	0.084
3753.	0.261	7456.	0.079
3754.	0.256	7457.	0.076
3755.	0.259	7458.	0.068
3756.	0.257	7459.	0.08
3757.	0.251	7460.	0.079
3758.	0.255	7461.	0.079
3759.	0.262	7462.	0.079
3760.	0.252	7463.	0.07
3761.	0.25	7464.	0.076
3762.	0.251	7465.	0.079
3763.	0.261	7466.	0.072
3764.	0.257	7467.	0.072
3765.	0.254	7468.	0.074
3766.	0.253	7469.	0.082
3767.	0.249	7470.	0.077
3768.	0.255	7471.	0.085
3769.	0.252	7472.	0.083
3770.	0.261	7473.	0.074
3771.	0.251	7474.	0.074
3772.	0.24	7475.	0.083
3773.	0.253	7476.	0.077
3774.	0.257	7477.	0.075
3775.	0.251	7478.	0.079
3776.	0.247	7479.	0.077
3777.	0.247	7480.	0.079
3778.	0.251	7481.	0.077
3779.	0.246	7482.	0.077
3780.	0.264	7483.	0.079
3781.	0.261	7484.	0.072
3782.	0.259	7485.	0.083
3783.	0.265	7486.	0.081
3784.	0.244	7487.	0.076
3785.	0.261	7488.	0.074
3786.	0.25	7489.	0.076
3787.	0.251	7490.	0.074
3788.	0.259	7491.	0.076
3789.	0.261	7492.	0.072
3790.	0.246	7493.	0.068
3791.	0.251	7494.	0.083
3792.	0.261	7495.	0.077
3793.	0.247	7496.	0.07
3794.	0.247	7497.	0.076
3795.	0.247	7498.	0.07
3796.	0.25	7499.	0.081
3797.	0.259	7500.	0.076
3798.	0.255		

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: KGS Model

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
Kr	5.937E-5	cm/sec
Ss	0.001264	ft^{-1}
Kz/Kr	1.	

T = K*b = 0.007239 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
Kr	7.511E-5	1.709E-7	+/- 3.35E-7	439.4	cm/sec
Ss	0.001329	2.542E-5	+/- 4.983E-5	52.26	ft^{-1}
Kz/Kr	1.	not estimated			

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.009157 cm²/sec

Parameter Correlations

	Kr	Ss
Kr	1.00	-0.95
Ss	-0.95	1.00

Residual Statistics

for weighted residuals

Sum of Squares... 2.932 ft^2
Variance ..... 0.0003961 ft^2
Std. Deviation..... 0.0199 ft
Mean..... 0.00341 ft
No. of Residuals .. 7405
No. of Estimates .. 2

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analyses
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matching.
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve fit.
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 7405
Range of time readings in obs. well(s): 1 to 7500 sec
Range of displacement readings in obs. well(s): 0.064 to 1.657 ft

Data Set: C:\Users\aevans\Desktop\gINT - Remote\Muskogee LF\Slug Test Reports\PWCG-5\PWCG-5.aqt
Date: 04/27/23
Time: 18:34:54

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Date: 11/17/22
Test Well: PWCG-5

AQUIFER DATA

Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: PWCG-5

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.662 ft
Static Water Column Height: 30.4 ft
Casing Radius: 0.083 ft
Well Radius: 0.083 ft
Well Skin Radius: 1. ft
Screen Length: 10. ft
Total Well Penetration Depth: 33.75 ft

No. of Observations: 23607

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.	1.643	1.181E+4	0.696
2.	1.635	1.181E+4	0.698
3.	1.631	1.181E+4	0.694
4.	1.612	1.181E+4	0.689
5.	1.616	1.181E+4	0.692
6.	1.616	1.181E+4	0.689
7.	1.599	1.181E+4	0.69
8.	1.595	1.181E+4	0.69
9.	1.588	1.181E+4	0.701
10.	1.594	1.181E+4	0.692
11.	1.591	1.182E+4	0.69
12.	1.583	1.182E+4	0.696
13.	1.596	1.182E+4	0.694
14.	1.581	1.182E+4	0.696
15.	1.582	1.182E+4	0.698
16.	1.582	1.182E+4	0.692
17.	1.576	1.182E+4	0.69
18.	1.585	1.182E+4	0.698
19.	1.577	1.182E+4	0.692
20.	1.58	1.182E+4	0.69

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
21.	1.571	1.183E+4	0.69
22.	1.572	1.183E+4	0.687
23.	1.58	1.183E+4	0.698
24.	1.576	1.183E+4	0.692
25.	1.571	1.183E+4	0.69
26.	1.572	1.183E+4	0.687
27.	1.578	1.183E+4	0.69
28.	1.574	1.183E+4	0.69
29.	1.582	1.183E+4	0.696
30.	1.574	1.183E+4	0.696
31.	1.569	1.184E+4	0.699
32.	1.565	1.184E+4	0.691
33.	1.567	1.184E+4	0.687
34.	1.569	1.184E+4	0.689
35.	1.571	1.184E+4	0.694
36.	1.572	1.184E+4	0.691
37.	1.563	1.184E+4	0.694
38.	1.567	1.184E+4	0.69
39.	1.567	1.184E+4	0.685
40.	1.572	1.184E+4	0.689
41.	1.574	1.185E+4	0.692
42.	1.565	1.185E+4	0.69
43.	1.571	1.185E+4	0.689
44.	1.567	1.185E+4	0.688
45.	1.565	1.185E+4	0.689
46.	1.563	1.185E+4	0.692
47.	1.57	1.185E+4	0.694
48.	1.572	1.185E+4	0.689
49.	1.567	1.185E+4	0.689
50.	1.569	1.185E+4	0.689
51.	1.571	1.186E+4	0.694
52.	1.562	1.186E+4	0.696
53.	1.565	1.186E+4	0.689
54.	1.569	1.186E+4	0.69
55.	1.564	1.186E+4	0.701
56.	1.57	1.186E+4	0.693
57.	1.563	1.186E+4	0.692
58.	1.565	1.186E+4	0.694
59.	1.558	1.186E+4	0.695
60.	1.568	1.186E+4	0.692
61.	1.556	1.187E+4	0.694
62.	1.571	1.187E+4	0.687
63.	1.563	1.187E+4	0.694
64.	1.551	1.187E+4	0.694
65.	1.564	1.187E+4	0.697
66.	1.563	1.187E+4	0.685
67.	1.563	1.187E+4	0.685
68.	1.565	1.187E+4	0.699
69.	1.566	1.187E+4	0.69
70.	1.567	1.187E+4	0.689
71.	1.562	1.188E+4	0.683
72.	1.572	1.188E+4	0.69
73.	1.565	1.188E+4	0.696
74.	1.563	1.188E+4	0.687
75.	1.561	1.188E+4	0.694

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
76.	1.567	1.188E+4	0.69
77.	1.563	1.188E+4	0.694
78.	1.562	1.188E+4	0.693
79.	1.564	1.188E+4	0.686
80.	1.568	1.188E+4	0.689
81.	1.565	1.189E+4	0.693
82.	1.552	1.189E+4	0.685
83.	1.548	1.189E+4	0.686
84.	1.552	1.189E+4	0.69
85.	1.557	1.189E+4	0.679
86.	1.562	1.189E+4	0.687
87.	1.555	1.189E+4	0.685
88.	1.556	1.189E+4	0.69
89.	1.556	1.189E+4	0.689
90.	1.561	1.189E+4	0.686
91.	1.558	1.19E+4	0.687
92.	1.564	1.19E+4	0.701
93.	1.555	1.19E+4	0.687
94.	1.563	1.19E+4	0.685
95.	1.559	1.19E+4	0.696
96.	1.548	1.19E+4	0.685
97.	1.559	1.19E+4	0.692
98.	1.561	1.19E+4	0.69
99.	1.552	1.19E+4	0.682
100.	1.554	1.19E+4	0.687
101.	1.559	1.191E+4	0.681
102.	1.555	1.191E+4	0.688
103.	1.556	1.191E+4	0.691
104.	1.55	1.191E+4	0.685
105.	1.557	1.191E+4	0.696
106.	1.557	1.191E+4	0.687
107.	1.561	1.191E+4	0.681
108.	1.559	1.191E+4	0.687
109.	1.555	1.191E+4	0.686
110.	1.554	1.191E+4	0.687
111.	1.563	1.192E+4	0.683
112.	1.559	1.192E+4	0.689
113.	1.555	1.192E+4	0.69
114.	1.554	1.192E+4	0.683
115.	1.554	1.192E+4	0.69
116.	1.552	1.192E+4	0.683
117.	1.557	1.192E+4	0.681
118.	1.559	1.192E+4	0.686
119.	1.559	1.192E+4	0.685
120.	1.552	1.192E+4	0.696
121.	1.552	1.193E+4	0.687
122.	1.55	1.193E+4	0.689
123.	1.557	1.193E+4	0.683
124.	1.556	1.193E+4	0.678
125.	1.55	1.193E+4	0.687
126.	1.555	1.193E+4	0.687
127.	1.563	1.193E+4	0.692
128.	1.557	1.193E+4	0.687
129.	1.559	1.193E+4	0.679
130.	1.554	1.193E+4	0.683

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
131.	1.555	1.194E+4	0.678
132.	1.56	1.194E+4	0.683
133.	1.554	1.194E+4	0.685
134.	1.548	1.194E+4	0.683
135.	1.555	1.194E+4	0.692
136.	1.546	1.194E+4	0.689
137.	1.555	1.194E+4	0.685
138.	1.546	1.194E+4	0.687
139.	1.55	1.194E+4	0.698
140.	1.553	1.194E+4	0.685
141.	1.548	1.195E+4	0.684
142.	1.548	1.195E+4	0.683
143.	1.554	1.195E+4	0.683
144.	1.55	1.195E+4	0.687
145.	1.554	1.195E+4	0.681
146.	1.555	1.195E+4	0.679
147.	1.555	1.195E+4	0.689
148.	1.552	1.195E+4	0.682
149.	1.543	1.195E+4	0.683
150.	1.547	1.195E+4	0.685
151.	1.55	1.196E+4	0.687
152.	1.546	1.196E+4	0.687
153.	1.552	1.196E+4	0.681
154.	1.553	1.196E+4	0.685
155.	1.55	1.196E+4	0.685
156.	1.553	1.196E+4	0.678
157.	1.552	1.196E+4	0.687
158.	1.546	1.196E+4	0.685
159.	1.543	1.196E+4	0.687
160.	1.546	1.196E+4	0.683
161.	1.547	1.197E+4	0.685
162.	1.548	1.197E+4	0.683
163.	1.548	1.197E+4	0.683
164.	1.555	1.197E+4	0.683
165.	1.56	1.197E+4	0.689
166.	1.548	1.197E+4	0.687
167.	1.557	1.197E+4	0.687
168.	1.551	1.197E+4	0.683
169.	1.555	1.197E+4	0.691
170.	1.551	1.197E+4	0.689
171.	1.554	1.198E+4	0.679
172.	1.546	1.198E+4	0.685
173.	1.546	1.198E+4	0.685
174.	1.545	1.198E+4	0.685
175.	1.547	1.198E+4	0.676
176.	1.548	1.198E+4	0.676
177.	1.558	1.198E+4	0.681
178.	1.555	1.198E+4	0.683
179.	1.548	1.198E+4	0.681
180.	1.543	1.198E+4	0.687
181.	1.546	1.199E+4	0.687
182.	1.547	1.199E+4	0.683
183.	1.548	1.199E+4	0.687
184.	1.549	1.199E+4	0.671
185.	1.551	1.199E+4	0.689

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
186.	1.544	1.199E+4	0.677
187.	1.546	1.199E+4	0.685
188.	1.538	1.199E+4	0.678
189.	1.555	1.199E+4	0.685
190.	1.545	1.199E+4	0.683
191.	1.545	1.2E+4	0.684
192.	1.544	1.2E+4	0.678
193.	1.546	1.2E+4	0.683
194.	1.54	1.2E+4	0.681
195.	1.551	1.2E+4	0.681
196.	1.544	1.2E+4	0.679
197.	1.549	1.2E+4	0.683
198.	1.548	1.2E+4	0.683
199.	1.542	1.2E+4	0.676
200.	1.547	1.2E+4	0.679
201.	1.551	1.201E+4	0.679
202.	1.542	1.201E+4	0.673
203.	1.544	1.201E+4	0.679
204.	1.546	1.201E+4	0.679
205.	1.546	1.201E+4	0.681
206.	1.545	1.201E+4	0.676
207.	1.544	1.201E+4	0.689
208.	1.544	1.201E+4	0.678
209.	1.55	1.201E+4	0.689
210.	1.538	1.201E+4	0.68
211.	1.542	1.202E+4	0.678
212.	1.538	1.202E+4	0.673
213.	1.551	1.202E+4	0.681
214.	1.547	1.202E+4	0.679
215.	1.542	1.202E+4	0.674
216.	1.546	1.202E+4	0.679
217.	1.549	1.202E+4	0.672
218.	1.542	1.202E+4	0.683
219.	1.545	1.202E+4	0.674
220.	1.538	1.202E+4	0.679
221.	1.547	1.203E+4	0.675
222.	1.542	1.203E+4	0.677
223.	1.546	1.203E+4	0.679
224.	1.535	1.203E+4	0.679
225.	1.542	1.203E+4	0.676
226.	1.544	1.203E+4	0.679
227.	1.54	1.203E+4	0.676
228.	1.542	1.203E+4	0.678
229.	1.535	1.203E+4	0.681
230.	1.547	1.203E+4	0.665
231.	1.535	1.204E+4	0.677
232.	1.533	1.204E+4	0.679
233.	1.539	1.204E+4	0.674
234.	1.54	1.204E+4	0.687
235.	1.544	1.204E+4	0.69
236.	1.546	1.204E+4	0.679
237.	1.54	1.204E+4	0.682
238.	1.547	1.204E+4	0.679
239.	1.542	1.204E+4	0.679
240.	1.546	1.204E+4	0.676

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
241.	1.544	1.205E+4	0.679
242.	1.538	1.205E+4	0.679
243.	1.542	1.205E+4	0.674
244.	1.54	1.205E+4	0.683
245.	1.542	1.205E+4	0.678
246.	1.542	1.205E+4	0.678
247.	1.547	1.205E+4	0.678
248.	1.535	1.205E+4	0.683
249.	1.542	1.205E+4	0.676
250.	1.542	1.205E+4	0.681
251.	1.535	1.206E+4	0.679
252.	1.54	1.206E+4	0.675
253.	1.537	1.206E+4	0.678
254.	1.538	1.206E+4	0.672
255.	1.538	1.206E+4	0.678
256.	1.54	1.206E+4	0.681
257.	1.546	1.206E+4	0.685
258.	1.544	1.206E+4	0.674
259.	1.542	1.206E+4	0.676
260.	1.538	1.206E+4	0.681
261.	1.542	1.207E+4	0.682
262.	1.54	1.207E+4	0.683
263.	1.547	1.207E+4	0.676
264.	1.54	1.207E+4	0.681
265.	1.537	1.207E+4	0.679
266.	1.533	1.207E+4	0.683
267.	1.54	1.207E+4	0.676
268.	1.533	1.207E+4	0.687
269.	1.549	1.207E+4	0.679
270.	1.537	1.207E+4	0.672
271.	1.547	1.208E+4	0.679
272.	1.537	1.208E+4	0.684
273.	1.54	1.208E+4	0.678
274.	1.542	1.208E+4	0.683
275.	1.538	1.208E+4	0.685
276.	1.538	1.208E+4	0.683
277.	1.539	1.208E+4	0.683
278.	1.542	1.208E+4	0.678
279.	1.535	1.208E+4	0.67
280.	1.54	1.208E+4	0.678
281.	1.535	1.209E+4	0.675
282.	1.537	1.209E+4	0.676
283.	1.537	1.209E+4	0.685
284.	1.541	1.209E+4	0.683
285.	1.538	1.209E+4	0.678
286.	1.535	1.209E+4	0.683
287.	1.537	1.209E+4	0.678
288.	1.54	1.209E+4	0.691
289.	1.537	1.209E+4	0.676
290.	1.532	1.209E+4	0.69
291.	1.537	1.21E+4	0.682
292.	1.544	1.21E+4	0.683
293.	1.53	1.21E+4	0.682
294.	1.533	1.21E+4	0.673
295.	1.531	1.21E+4	0.684

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
296.	1.531	1.21E+4	0.681
297.	1.538	1.21E+4	0.681
298.	1.542	1.21E+4	0.676
299.	1.537	1.21E+4	0.683
300.	1.533	1.21E+4	0.678
301.	1.536	1.211E+4	0.681
302.	1.538	1.211E+4	0.689
303.	1.54	1.211E+4	0.675
304.	1.537	1.211E+4	0.678
305.	1.542	1.211E+4	0.678
306.	1.538	1.211E+4	0.674
307.	1.535	1.211E+4	0.677
308.	1.537	1.211E+4	0.682
309.	1.529	1.211E+4	0.674
310.	1.532	1.211E+4	0.658
311.	1.532	1.212E+4	0.681
312.	1.533	1.212E+4	0.675
313.	1.531	1.212E+4	0.679
314.	1.533	1.212E+4	0.679
315.	1.529	1.212E+4	0.676
316.	1.537	1.212E+4	0.683
317.	1.525	1.212E+4	0.674
318.	1.537	1.212E+4	0.679
319.	1.535	1.212E+4	0.667
320.	1.527	1.212E+4	0.675
321.	1.527	1.213E+4	0.672
322.	1.521	1.213E+4	0.685
323.	1.527	1.213E+4	0.667
324.	1.529	1.213E+4	0.681
325.	1.527	1.213E+4	0.681
326.	1.529	1.213E+4	0.669
327.	1.527	1.213E+4	0.678
328.	1.533	1.213E+4	0.677
329.	1.535	1.213E+4	0.679
330.	1.535	1.213E+4	0.67
331.	1.533	1.214E+4	0.676
332.	1.531	1.214E+4	0.672
333.	1.531	1.214E+4	0.674
334.	1.538	1.214E+4	0.67
335.	1.534	1.214E+4	0.674
336.	1.538	1.214E+4	0.677
337.	1.524	1.214E+4	0.676
338.	1.536	1.214E+4	0.673
339.	1.535	1.214E+4	0.671
340.	1.531	1.214E+4	0.67
341.	1.533	1.215E+4	0.669
342.	1.526	1.215E+4	0.672
343.	1.527	1.215E+4	0.674
344.	1.535	1.215E+4	0.676
345.	1.53	1.215E+4	0.681
346.	1.531	1.215E+4	0.674
347.	1.535	1.215E+4	0.672
348.	1.526	1.215E+4	0.673
349.	1.527	1.215E+4	0.667
350.	1.524	1.215E+4	0.678

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
351.	1.524	1.216E+4	0.668
352.	1.535	1.216E+4	0.676
353.	1.523	1.216E+4	0.672
354.	1.532	1.216E+4	0.669
355.	1.529	1.216E+4	0.682
356.	1.527	1.216E+4	0.672
357.	1.527	1.216E+4	0.672
358.	1.529	1.216E+4	0.675
359.	1.525	1.216E+4	0.666
360.	1.529	1.216E+4	0.681
361.	1.526	1.217E+4	0.668
362.	1.527	1.217E+4	0.675
363.	1.529	1.217E+4	0.676
364.	1.525	1.217E+4	0.682
365.	1.522	1.217E+4	0.677
366.	1.521	1.217E+4	0.677
367.	1.527	1.217E+4	0.67
368.	1.529	1.217E+4	0.681
369.	1.529	1.217E+4	0.672
370.	1.524	1.217E+4	0.679
371.	1.527	1.218E+4	0.678
372.	1.53	1.218E+4	0.679
373.	1.522	1.218E+4	0.677
374.	1.52	1.218E+4	0.675
375.	1.535	1.218E+4	0.674
376.	1.523	1.218E+4	0.674
377.	1.527	1.218E+4	0.674
378.	1.522	1.218E+4	0.669
379.	1.518	1.218E+4	0.673
380.	1.519	1.218E+4	0.672
381.	1.519	1.219E+4	0.671
382.	1.519	1.219E+4	0.672
383.	1.527	1.219E+4	0.67
384.	1.518	1.219E+4	0.679
385.	1.52	1.219E+4	0.676
386.	1.52	1.219E+4	0.669
387.	1.518	1.219E+4	0.672
388.	1.521	1.219E+4	0.675
389.	1.509	1.219E+4	0.679
390.	1.521	1.219E+4	0.67
391.	1.521	1.22E+4	0.666
392.	1.521	1.22E+4	0.669
393.	1.518	1.22E+4	0.672
394.	1.522	1.22E+4	0.666
395.	1.519	1.22E+4	0.671
396.	1.522	1.22E+4	0.653
397.	1.514	1.22E+4	0.675
398.	1.526	1.22E+4	0.67
399.	1.521	1.22E+4	0.681
400.	1.53	1.22E+4	0.67
401.	1.521	1.221E+4	0.67
402.	1.509	1.221E+4	0.672
403.	1.522	1.221E+4	0.67
404.	1.532	1.221E+4	0.678
405.	1.518	1.221E+4	0.673

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
406.	1.523	1.221E+4	0.672
407.	1.519	1.221E+4	0.668
408.	1.527	1.221E+4	0.674
409.	1.521	1.221E+4	0.681
410.	1.527	1.221E+4	0.67
411.	1.523	1.222E+4	0.673
412.	1.526	1.222E+4	0.677
413.	1.516	1.222E+4	0.663
414.	1.518	1.222E+4	0.671
415.	1.526	1.222E+4	0.675
416.	1.519	1.222E+4	0.669
417.	1.523	1.222E+4	0.669
418.	1.526	1.222E+4	0.67
419.	1.523	1.222E+4	0.671
420.	1.53	1.222E+4	0.67
421.	1.517	1.223E+4	0.67
422.	1.518	1.223E+4	0.661
423.	1.527	1.223E+4	0.673
424.	1.526	1.223E+4	0.668
425.	1.529	1.223E+4	0.67
426.	1.523	1.223E+4	0.664
427.	1.518	1.223E+4	0.67
428.	1.524	1.223E+4	0.67
429.	1.518	1.223E+4	0.665
430.	1.519	1.223E+4	0.669
431.	1.523	1.224E+4	0.669
432.	1.518	1.224E+4	0.674
433.	1.518	1.224E+4	0.661
434.	1.521	1.224E+4	0.681
435.	1.518	1.224E+4	0.663
436.	1.521	1.224E+4	0.668
437.	1.526	1.224E+4	0.667
438.	1.515	1.224E+4	0.668
439.	1.518	1.224E+4	0.67
440.	1.522	1.224E+4	0.669
441.	1.519	1.225E+4	0.672
442.	1.527	1.225E+4	0.667
443.	1.518	1.225E+4	0.663
444.	1.525	1.225E+4	0.665
445.	1.525	1.225E+4	0.661
446.	1.521	1.225E+4	0.659
447.	1.515	1.225E+4	0.67
448.	1.514	1.225E+4	0.669
449.	1.509	1.225E+4	0.672
450.	1.521	1.225E+4	0.666
451.	1.514	1.226E+4	0.673
452.	1.515	1.226E+4	0.667
453.	1.518	1.226E+4	0.671
454.	1.505	1.226E+4	0.665
455.	1.516	1.226E+4	0.669
456.	1.521	1.226E+4	0.664
457.	1.521	1.226E+4	0.663
458.	1.519	1.226E+4	0.666
459.	1.523	1.226E+4	0.661
460.	1.517	1.226E+4	0.665

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
461.	1.514	1.227E+4	0.664
462.	1.519	1.227E+4	0.667
463.	1.518	1.227E+4	0.662
464.	1.516	1.227E+4	0.663
465.	1.518	1.227E+4	0.667
466.	1.521	1.227E+4	0.659
467.	1.53	1.227E+4	0.662
468.	1.519	1.227E+4	0.659
469.	1.514	1.227E+4	0.663
470.	1.521	1.227E+4	0.662
471.	1.521	1.228E+4	0.661
472.	1.516	1.228E+4	0.665
473.	1.514	1.228E+4	0.663
474.	1.516	1.228E+4	0.674
475.	1.519	1.228E+4	0.671
476.	1.514	1.228E+4	0.661
477.	1.519	1.228E+4	0.661
478.	1.521	1.228E+4	0.665
479.	1.525	1.228E+4	0.67
480.	1.523	1.228E+4	0.668
481.	1.512	1.229E+4	0.663
482.	1.521	1.229E+4	0.663
483.	1.519	1.229E+4	0.659
484.	1.514	1.229E+4	0.665
485.	1.512	1.229E+4	0.661
486.	1.519	1.229E+4	0.663
487.	1.516	1.229E+4	0.664
488.	1.514	1.229E+4	0.663
489.	1.515	1.229E+4	0.659
490.	1.518	1.229E+4	0.661
491.	1.507	1.23E+4	0.663
492.	1.509	1.23E+4	0.658
493.	1.518	1.23E+4	0.659
494.	1.518	1.23E+4	0.666
495.	1.514	1.23E+4	0.667
496.	1.512	1.23E+4	0.667
497.	1.51	1.23E+4	0.664
498.	1.512	1.23E+4	0.659
499.	1.514	1.23E+4	0.661
500.	1.51	1.23E+4	0.665
501.	1.512	1.231E+4	0.663
502.	1.505	1.231E+4	0.661
503.	1.518	1.231E+4	0.659
504.	1.512	1.231E+4	0.666
505.	1.51	1.231E+4	0.663
506.	1.512	1.231E+4	0.659
507.	1.517	1.231E+4	0.661
508.	1.507	1.231E+4	0.658
509.	1.514	1.231E+4	0.666
510.	1.514	1.231E+4	0.665
511.	1.512	1.232E+4	0.666
512.	1.51	1.232E+4	0.668
513.	1.518	1.232E+4	0.659
514.	1.507	1.232E+4	0.661
515.	1.509	1.232E+4	0.659

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
516.	1.519	1.232E+4	0.658
517.	1.507	1.232E+4	0.659
518.	1.514	1.232E+4	0.663
519.	1.505	1.232E+4	0.662
520.	1.505	1.232E+4	0.661
521.	1.518	1.233E+4	0.665
522.	1.505	1.233E+4	0.659
523.	1.507	1.233E+4	0.656
524.	1.503	1.233E+4	0.65
525.	1.51	1.233E+4	0.661
526.	1.507	1.233E+4	0.663
527.	1.509	1.233E+4	0.661
528.	1.51	1.233E+4	0.665
529.	1.512	1.233E+4	0.658
530.	1.512	1.233E+4	0.663
531.	1.51	1.234E+4	0.665
532.	1.505	1.234E+4	0.666
533.	1.512	1.234E+4	0.661
534.	1.507	1.234E+4	0.654
535.	1.505	1.234E+4	0.669
536.	1.519	1.234E+4	0.661
537.	1.511	1.234E+4	0.669
538.	1.509	1.234E+4	0.665
539.	1.512	1.234E+4	0.662
540.	1.51	1.234E+4	0.657
541.	1.505	1.235E+4	0.658
542.	1.514	1.235E+4	0.661
543.	1.504	1.235E+4	0.659
544.	1.51	1.235E+4	0.662
545.	1.507	1.235E+4	0.661
546.	1.503	1.235E+4	0.659
547.	1.512	1.235E+4	0.659
548.	1.509	1.235E+4	0.658
549.	1.505	1.235E+4	0.658
550.	1.509	1.235E+4	0.654
551.	1.507	1.236E+4	0.663
552.	1.512	1.236E+4	0.663
553.	1.505	1.236E+4	0.656
554.	1.509	1.236E+4	0.662
555.	1.509	1.236E+4	0.668
556.	1.51	1.236E+4	0.665
557.	1.509	1.236E+4	0.664
558.	1.519	1.236E+4	0.661
559.	1.509	1.236E+4	0.663
560.	1.509	1.236E+4	0.666
561.	1.51	1.237E+4	0.652
562.	1.505	1.237E+4	0.654
563.	1.512	1.237E+4	0.658
564.	1.51	1.237E+4	0.661
565.	1.507	1.237E+4	0.654
566.	1.509	1.237E+4	0.655
567.	1.509	1.237E+4	0.656
568.	1.503	1.237E+4	0.659
569.	1.496	1.237E+4	0.664
570.	1.505	1.237E+4	0.658

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
571.	1.512	1.238E+4	0.666
572.	1.509	1.238E+4	0.67
573.	1.496	1.238E+4	0.659
574.	1.499	1.238E+4	0.658
575.	1.507	1.238E+4	0.654
576.	1.503	1.238E+4	0.664
577.	1.509	1.238E+4	0.659
578.	1.503	1.238E+4	0.663
579.	1.501	1.238E+4	0.658
580.	1.501	1.238E+4	0.662
581.	1.503	1.239E+4	0.661
582.	1.503	1.239E+4	0.664
583.	1.501	1.239E+4	0.654
584.	1.499	1.239E+4	0.661
585.	1.488	1.239E+4	0.656
586.	1.503	1.239E+4	0.659
587.	1.501	1.239E+4	0.657
588.	1.512	1.239E+4	0.663
589.	1.503	1.239E+4	0.659
590.	1.503	1.239E+4	0.668
591.	1.496	1.24E+4	0.664
592.	1.498	1.24E+4	0.663
593.	1.503	1.24E+4	0.661
594.	1.501	1.24E+4	0.657
595.	1.498	1.24E+4	0.658
596.	1.503	1.24E+4	0.663
597.	1.505	1.24E+4	0.662
598.	1.496	1.24E+4	0.661
599.	1.498	1.24E+4	0.652
600.	1.498	1.24E+4	0.661
601.	1.496	1.241E+4	0.661
602.	1.494	1.241E+4	0.656
603.	1.496	1.241E+4	0.652
604.	1.503	1.241E+4	0.655
605.	1.492	1.241E+4	0.649
606.	1.499	1.241E+4	0.658
607.	1.495	1.241E+4	0.659
608.	1.499	1.241E+4	0.656
609.	1.487	1.241E+4	0.665
610.	1.499	1.241E+4	0.653
611.	1.503	1.242E+4	0.653
612.	1.507	1.242E+4	0.649
613.	1.496	1.242E+4	0.662
614.	1.492	1.242E+4	0.658
615.	1.505	1.242E+4	0.661
616.	1.495	1.242E+4	0.658
617.	1.501	1.242E+4	0.653
618.	1.503	1.242E+4	0.659
619.	1.498	1.242E+4	0.654
620.	1.499	1.242E+4	0.657
621.	1.494	1.243E+4	0.656
622.	1.496	1.243E+4	0.653
623.	1.501	1.243E+4	0.656
624.	1.507	1.243E+4	0.662
625.	1.501	1.243E+4	0.661

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
626.	1.492	1.243E+4	0.659
627.	1.503	1.243E+4	0.655
628.	1.509	1.243E+4	0.651
629.	1.499	1.243E+4	0.657
630.	1.503	1.243E+4	0.661
631.	1.496	1.244E+4	0.652
632.	1.499	1.244E+4	0.647
633.	1.499	1.244E+4	0.656
634.	1.496	1.244E+4	0.657
635.	1.501	1.244E+4	0.649
636.	1.501	1.244E+4	0.654
637.	1.49	1.244E+4	0.656
638.	1.501	1.244E+4	0.663
639.	1.494	1.244E+4	0.658
640.	1.492	1.244E+4	0.65
641.	1.499	1.245E+4	0.685
642.	1.494	1.245E+4	0.65
643.	1.499	1.245E+4	0.647
644.	1.494	1.245E+4	0.656
645.	1.492	1.245E+4	0.651
646.	1.487	1.245E+4	0.655
647.	1.498	1.245E+4	0.656
648.	1.49	1.245E+4	0.662
649.	1.494	1.245E+4	0.648
650.	1.498	1.245E+4	0.658
651.	1.498	1.246E+4	0.654
652.	1.489	1.246E+4	0.662
653.	1.49	1.246E+4	0.653
654.	1.501	1.246E+4	0.653
655.	1.503	1.246E+4	0.651
656.	1.492	1.246E+4	0.652
657.	1.501	1.246E+4	0.65
658.	1.492	1.246E+4	0.647
659.	1.496	1.246E+4	0.644
660.	1.492	1.246E+4	0.647
661.	1.499	1.247E+4	0.645
662.	1.498	1.247E+4	0.653
663.	1.496	1.247E+4	0.649
664.	1.492	1.247E+4	0.654
665.	1.492	1.247E+4	0.67
666.	1.487	1.247E+4	0.658
667.	1.49	1.247E+4	0.654
668.	1.504	1.247E+4	0.657
669.	1.501	1.247E+4	0.651
670.	1.494	1.247E+4	0.658
671.	1.505	1.248E+4	0.656
672.	1.494	1.248E+4	0.655
673.	1.492	1.248E+4	0.653
674.	1.494	1.248E+4	0.646
675.	1.498	1.248E+4	0.658
676.	1.49	1.248E+4	0.65
677.	1.492	1.248E+4	0.652
678.	1.499	1.248E+4	0.656
679.	1.492	1.248E+4	0.649
680.	1.499	1.248E+4	0.649

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
681.	1.503	1.249E+4	0.657
682.	1.494	1.249E+4	0.646
683.	1.49	1.249E+4	0.654
684.	1.492	1.249E+4	0.631
685.	1.487	1.249E+4	0.655
686.	1.492	1.249E+4	0.653
687.	1.499	1.249E+4	0.649
688.	1.498	1.249E+4	0.647
689.	1.503	1.249E+4	0.651
690.	1.496	1.249E+4	0.655
691.	1.492	1.25E+4	0.653
692.	1.49	1.25E+4	0.655
693.	1.494	1.25E+4	0.651
694.	1.494	1.25E+4	0.645
695.	1.492	1.25E+4	0.653
696.	1.494	1.25E+4	0.657
697.	1.492	1.25E+4	0.655
698.	1.497	1.25E+4	0.641
699.	1.487	1.25E+4	0.645
700.	1.487	1.25E+4	0.65
701.	1.492	1.251E+4	0.651
702.	1.493	1.251E+4	0.652
703.	1.494	1.251E+4	0.643
704.	1.49	1.251E+4	0.648
705.	1.498	1.251E+4	0.637
706.	1.496	1.251E+4	0.651
707.	1.491	1.251E+4	0.645
708.	1.49	1.251E+4	0.65
709.	1.496	1.251E+4	0.646
710.	1.485	1.251E+4	0.642
711.	1.496	1.252E+4	0.653
712.	1.501	1.252E+4	0.641
713.	1.49	1.252E+4	0.651
714.	1.486	1.252E+4	0.65
715.	1.496	1.252E+4	0.646
716.	1.492	1.252E+4	0.645
717.	1.497	1.252E+4	0.652
718.	1.498	1.252E+4	0.65
719.	1.493	1.252E+4	0.645
720.	1.494	1.252E+4	0.646
721.	1.494	1.253E+4	0.645
722.	1.499	1.253E+4	0.654
723.	1.49	1.253E+4	0.655
724.	1.498	1.253E+4	0.654
725.	1.489	1.253E+4	0.658
726.	1.496	1.253E+4	0.645
727.	1.492	1.253E+4	0.647
728.	1.492	1.253E+4	0.65
729.	1.495	1.253E+4	0.647
730.	1.492	1.253E+4	0.655
731.	1.492	1.254E+4	0.65
732.	1.496	1.254E+4	0.651
733.	1.498	1.254E+4	0.654
734.	1.487	1.254E+4	0.656
735.	1.49	1.254E+4	0.652

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
736.	1.494	1.254E+4	0.648
737.	1.487	1.254E+4	0.652
738.	1.487	1.254E+4	0.648
739.	1.487	1.254E+4	0.645
740.	1.496	1.254E+4	0.642
741.	1.49	1.255E+4	0.651
742.	1.491	1.255E+4	0.645
743.	1.484	1.255E+4	0.642
744.	1.486	1.255E+4	0.65
745.	1.49	1.255E+4	0.655
746.	1.487	1.255E+4	0.646
747.	1.48	1.255E+4	0.643
748.	1.485	1.255E+4	0.643
749.	1.485	1.255E+4	0.647
750.	1.49	1.255E+4	0.643
751.	1.49	1.256E+4	0.655
752.	1.487	1.256E+4	0.648
753.	1.489	1.256E+4	0.647
754.	1.485	1.256E+4	0.65
755.	1.489	1.256E+4	0.652
756.	1.489	1.256E+4	0.646
757.	1.481	1.256E+4	0.646
758.	1.488	1.256E+4	0.641
759.	1.494	1.256E+4	0.65
760.	1.489	1.256E+4	0.651
761.	1.486	1.257E+4	0.65
762.	1.483	1.257E+4	0.65
763.	1.483	1.257E+4	0.653
764.	1.49	1.257E+4	0.647
765.	1.483	1.257E+4	0.647
766.	1.492	1.257E+4	0.649
767.	1.485	1.257E+4	0.649
768.	1.489	1.257E+4	0.643
769.	1.483	1.257E+4	0.642
770.	1.485	1.257E+4	0.647
771.	1.489	1.258E+4	0.647
772.	1.489	1.258E+4	0.656
773.	1.485	1.258E+4	0.65
774.	1.485	1.258E+4	0.648
775.	1.48	1.258E+4	0.643
776.	1.485	1.258E+4	0.65
777.	1.485	1.258E+4	0.642
778.	1.481	1.258E+4	0.648
779.	1.483	1.258E+4	0.652
780.	1.49	1.258E+4	0.653
781.	1.487	1.259E+4	0.649
782.	1.478	1.259E+4	0.646
783.	1.483	1.259E+4	0.65
784.	1.485	1.259E+4	0.65
785.	1.483	1.259E+4	0.639
786.	1.491	1.259E+4	0.643
787.	1.488	1.259E+4	0.651
788.	1.484	1.259E+4	0.645
789.	1.492	1.259E+4	0.641
790.	1.484	1.259E+4	0.647

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
791.	1.476	1.26E+4	0.647
792.	1.491	1.26E+4	0.65
793.	1.484	1.26E+4	0.639
794.	1.48	1.26E+4	0.643
795.	1.488	1.26E+4	0.639
796.	1.481	1.26E+4	0.648
797.	1.488	1.26E+4	0.644
798.	1.48	1.26E+4	0.645
799.	1.489	1.26E+4	0.648
800.	1.475	1.26E+4	0.643
801.	1.483	1.261E+4	0.648
802.	1.485	1.261E+4	0.647
803.	1.481	1.261E+4	0.648
804.	1.494	1.261E+4	0.642
805.	1.485	1.261E+4	0.646
806.	1.48	1.261E+4	0.648
807.	1.477	1.261E+4	0.643
808.	1.481	1.261E+4	0.648
809.	1.484	1.261E+4	0.642
810.	1.483	1.261E+4	0.653
811.	1.48	1.262E+4	0.643
812.	1.49	1.262E+4	0.65
813.	1.489	1.262E+4	0.649
814.	1.484	1.262E+4	0.649
815.	1.489	1.262E+4	0.646
816.	1.481	1.262E+4	0.653
817.	1.479	1.262E+4	0.642
818.	1.49	1.262E+4	0.648
819.	1.478	1.262E+4	0.644
820.	1.481	1.262E+4	0.646
821.	1.48	1.263E+4	0.639
822.	1.479	1.263E+4	0.638
823.	1.465	1.263E+4	0.643
824.	1.478	1.263E+4	0.637
825.	1.483	1.263E+4	0.642
826.	1.471	1.263E+4	0.645
827.	1.478	1.263E+4	0.641
828.	1.478	1.263E+4	0.647
829.	1.48	1.263E+4	0.643
830.	1.476	1.263E+4	0.641
831.	1.48	1.264E+4	0.646
832.	1.483	1.264E+4	0.646
833.	1.476	1.264E+4	0.641
834.	1.48	1.264E+4	0.645
835.	1.476	1.264E+4	0.644
836.	1.483	1.264E+4	0.639
837.	1.484	1.264E+4	0.646
838.	1.472	1.264E+4	0.645
839.	1.476	1.264E+4	0.639
840.	1.483	1.264E+4	0.639
841.	1.482	1.265E+4	0.641
842.	1.479	1.265E+4	0.636
843.	1.48	1.265E+4	0.646
844.	1.484	1.265E+4	0.631
845.	1.474	1.265E+4	0.646

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
846.	1.477	1.265E+4	0.645
847.	1.472	1.265E+4	0.644
848.	1.472	1.265E+4	0.639
849.	1.467	1.265E+4	0.638
850.	1.474	1.265E+4	0.63
851.	1.475	1.266E+4	0.641
852.	1.483	1.266E+4	0.638
853.	1.472	1.266E+4	0.65
854.	1.47	1.266E+4	0.638
855.	1.474	1.266E+4	0.647
856.	1.474	1.266E+4	0.635
857.	1.461	1.266E+4	0.639
858.	1.472	1.266E+4	0.643
859.	1.476	1.266E+4	0.646
860.	1.474	1.266E+4	0.649
861.	1.474	1.267E+4	0.65
862.	1.475	1.267E+4	0.652
863.	1.47	1.267E+4	0.644
864.	1.464	1.267E+4	0.641
865.	1.474	1.267E+4	0.65
866.	1.472	1.267E+4	0.641
867.	1.476	1.267E+4	0.647
868.	1.469	1.267E+4	0.639
869.	1.478	1.267E+4	0.642
870.	1.474	1.267E+4	0.639
871.	1.48	1.268E+4	0.639
872.	1.477	1.268E+4	0.641
873.	1.473	1.268E+4	0.637
874.	1.477	1.268E+4	0.642
875.	1.466	1.268E+4	0.644
876.	1.477	1.268E+4	0.65
877.	1.478	1.268E+4	0.645
878.	1.478	1.268E+4	0.644
879.	1.477	1.268E+4	0.643
880.	1.474	1.268E+4	0.641
881.	1.475	1.269E+4	0.634
882.	1.473	1.269E+4	0.642
883.	1.472	1.269E+4	0.636
884.	1.469	1.269E+4	0.638
885.	1.471	1.269E+4	0.648
886.	1.477	1.269E+4	0.637
887.	1.469	1.269E+4	0.637
888.	1.47	1.269E+4	0.638
889.	1.476	1.269E+4	0.647
890.	1.478	1.269E+4	0.633
891.	1.463	1.27E+4	0.646
892.	1.469	1.27E+4	0.641
893.	1.474	1.27E+4	0.644
894.	1.476	1.27E+4	0.638
895.	1.474	1.27E+4	0.65
896.	1.474	1.27E+4	0.639
897.	1.467	1.27E+4	0.63
898.	1.47	1.27E+4	0.644
899.	1.473	1.27E+4	0.637
900.	1.47	1.27E+4	0.643

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
901.	1.472	1.271E+4	0.641
902.	1.473	1.271E+4	0.644
903.	1.471	1.271E+4	0.636
904.	1.469	1.271E+4	0.641
905.	1.472	1.271E+4	0.646
906.	1.468	1.271E+4	0.645
907.	1.47	1.271E+4	0.642
908.	1.479	1.271E+4	0.639
909.	1.466	1.271E+4	0.641
910.	1.47	1.271E+4	0.642
911.	1.474	1.272E+4	0.636
912.	1.479	1.272E+4	0.644
913.	1.47	1.272E+4	0.639
914.	1.47	1.272E+4	0.643
915.	1.469	1.272E+4	0.646
916.	1.47	1.272E+4	0.641
917.	1.472	1.272E+4	0.641
918.	1.478	1.272E+4	0.655
919.	1.474	1.272E+4	0.637
920.	1.47	1.272E+4	0.641
921.	1.465	1.273E+4	0.641
922.	1.473	1.273E+4	0.641
923.	1.467	1.273E+4	0.646
924.	1.47	1.273E+4	0.639
925.	1.467	1.273E+4	0.639
926.	1.47	1.273E+4	0.641
927.	1.467	1.273E+4	0.641
928.	1.47	1.273E+4	0.652
929.	1.47	1.273E+4	0.641
930.	1.464	1.273E+4	0.634
931.	1.463	1.274E+4	0.642
932.	1.467	1.274E+4	0.636
933.	1.461	1.274E+4	0.636
934.	1.461	1.274E+4	0.639
935.	1.464	1.274E+4	0.644
936.	1.467	1.274E+4	0.644
937.	1.47	1.274E+4	0.634
938.	1.461	1.274E+4	0.65
939.	1.472	1.274E+4	0.641
940.	1.469	1.274E+4	0.646
941.	1.465	1.275E+4	0.639
942.	1.47	1.275E+4	0.641
943.	1.461	1.275E+4	0.637
944.	1.466	1.275E+4	0.64
945.	1.467	1.275E+4	0.641
946.	1.465	1.275E+4	0.642
947.	1.476	1.275E+4	0.639
948.	1.47	1.275E+4	0.634
949.	1.461	1.275E+4	0.635
950.	1.461	1.275E+4	0.639
951.	1.467	1.276E+4	0.646
952.	1.47	1.276E+4	0.634
953.	1.466	1.276E+4	0.645
954.	1.47	1.276E+4	0.641
955.	1.46	1.276E+4	0.639

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
956.	1.469	1.276E+4	0.632
957.	1.463	1.276E+4	0.642
958.	1.473	1.276E+4	0.641
959.	1.461	1.276E+4	0.644
960.	1.47	1.276E+4	0.638
961.	1.475	1.277E+4	0.643
962.	1.468	1.277E+4	0.643
963.	1.461	1.277E+4	0.634
964.	1.465	1.277E+4	0.641
965.	1.467	1.277E+4	0.639
966.	1.469	1.277E+4	0.637
967.	1.468	1.277E+4	0.641
968.	1.465	1.277E+4	0.639
969.	1.465	1.277E+4	0.65
970.	1.47	1.277E+4	0.642
971.	1.467	1.278E+4	0.633
972.	1.469	1.278E+4	0.639
973.	1.465	1.278E+4	0.637
974.	1.469	1.278E+4	0.639
975.	1.466	1.278E+4	0.637
976.	1.457	1.278E+4	0.639
977.	1.469	1.278E+4	0.639
978.	1.467	1.278E+4	0.642
979.	1.465	1.278E+4	0.642
980.	1.463	1.278E+4	0.638
981.	1.472	1.279E+4	0.641
982.	1.47	1.279E+4	0.635
983.	1.461	1.279E+4	0.635
984.	1.469	1.279E+4	0.642
985.	1.471	1.279E+4	0.632
986.	1.469	1.279E+4	0.63
987.	1.468	1.279E+4	0.639
988.	1.463	1.279E+4	0.637
989.	1.475	1.279E+4	0.632
990.	1.463	1.279E+4	0.636
991.	1.463	1.28E+4	0.633
992.	1.458	1.28E+4	0.641
993.	1.466	1.28E+4	0.639
994.	1.47	1.28E+4	0.633
995.	1.461	1.28E+4	0.632
996.	1.467	1.28E+4	0.641
997.	1.466	1.28E+4	0.636
998.	1.462	1.28E+4	0.644
999.	1.467	1.28E+4	0.639
1000.	1.458	1.28E+4	0.639
1001.	1.469	1.281E+4	0.641
1002.	1.461	1.281E+4	0.632
1003.	1.457	1.281E+4	0.636
1004.	1.463	1.281E+4	0.632
1005.	1.465	1.281E+4	0.633
1006.	1.466	1.281E+4	0.641
1007.	1.463	1.281E+4	0.641
1008.	1.458	1.281E+4	0.627
1009.	1.461	1.281E+4	0.634
1010.	1.461	1.281E+4	0.636

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1011.	1.465	1.282E+4	0.639
1012.	1.461	1.282E+4	0.629
1013.	1.463	1.282E+4	0.636
1014.	1.467	1.282E+4	0.639
1015.	1.456	1.282E+4	0.637
1016.	1.454	1.282E+4	0.639
1017.	1.463	1.282E+4	0.642
1018.	1.463	1.282E+4	0.642
1019.	1.452	1.282E+4	0.633
1020.	1.467	1.282E+4	0.642
1021.	1.465	1.283E+4	0.635
1022.	1.461	1.283E+4	0.639
1023.	1.462	1.283E+4	0.631
1024.	1.466	1.283E+4	0.633
1025.	1.463	1.283E+4	0.655
1026.	1.464	1.283E+4	0.644
1027.	1.461	1.283E+4	0.637
1028.	1.461	1.283E+4	0.632
1029.	1.463	1.283E+4	0.637
1030.	1.46	1.283E+4	0.632
1031.	1.46	1.284E+4	0.641
1032.	1.458	1.284E+4	0.637
1033.	1.469	1.284E+4	0.637
1034.	1.463	1.284E+4	0.633
1035.	1.457	1.284E+4	0.633
1036.	1.467	1.284E+4	0.632
1037.	1.466	1.284E+4	0.628
1038.	1.467	1.284E+4	0.625
1039.	1.461	1.284E+4	0.634
1040.	1.452	1.284E+4	0.632
1041.	1.461	1.285E+4	0.63
1042.	1.459	1.285E+4	0.632
1043.	1.462	1.285E+4	0.639
1044.	1.456	1.285E+4	0.637
1045.	1.458	1.285E+4	0.63
1046.	1.467	1.285E+4	0.637
1047.	1.463	1.285E+4	0.644
1048.	1.461	1.285E+4	0.635
1049.	1.461	1.285E+4	0.635
1050.	1.461	1.285E+4	0.641
1051.	1.477	1.286E+4	0.63
1052.	1.456	1.286E+4	0.63
1053.	1.46	1.286E+4	0.633
1054.	1.467	1.286E+4	0.622
1055.	1.465	1.286E+4	0.637
1056.	1.457	1.286E+4	0.631
1057.	1.462	1.286E+4	0.635
1058.	1.46	1.286E+4	0.639
1059.	1.456	1.286E+4	0.629
1060.	1.463	1.286E+4	0.628
1061.	1.464	1.287E+4	0.631
1062.	1.464	1.287E+4	0.636
1063.	1.464	1.287E+4	0.633
1064.	1.459	1.287E+4	0.644
1065.	1.463	1.287E+4	0.633

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1066.	1.452	1.287E+4	0.642
1067.	1.458	1.287E+4	0.635
1068.	1.452	1.287E+4	0.635
1069.	1.461	1.287E+4	0.639
1070.	1.463	1.287E+4	0.637
1071.	1.46	1.288E+4	0.642
1072.	1.453	1.288E+4	0.643
1073.	1.463	1.288E+4	0.631
1074.	1.46	1.288E+4	0.637
1075.	1.454	1.288E+4	0.628
1076.	1.458	1.288E+4	0.637
1077.	1.456	1.288E+4	0.631
1078.	1.461	1.288E+4	0.629
1079.	1.454	1.288E+4	0.633
1080.	1.45	1.288E+4	0.632
1081.	1.455	1.289E+4	0.634
1082.	1.463	1.289E+4	0.642
1083.	1.453	1.289E+4	0.63
1084.	1.456	1.289E+4	0.633
1085.	1.448	1.289E+4	0.639
1086.	1.454	1.289E+4	0.633
1087.	1.454	1.289E+4	0.639
1088.	1.46	1.289E+4	0.634
1089.	1.454	1.289E+4	0.642
1090.	1.463	1.289E+4	0.637
1091.	1.459	1.29E+4	0.638
1092.	1.456	1.29E+4	0.63
1093.	1.452	1.29E+4	0.639
1094.	1.458	1.29E+4	0.627
1095.	1.455	1.29E+4	0.635
1096.	1.454	1.29E+4	0.641
1097.	1.459	1.29E+4	0.639
1098.	1.461	1.29E+4	0.629
1099.	1.465	1.29E+4	0.641
1100.	1.457	1.29E+4	0.634
1101.	1.452	1.291E+4	0.63
1102.	1.46	1.291E+4	0.631
1103.	1.452	1.291E+4	0.637
1104.	1.456	1.291E+4	0.637
1105.	1.46	1.291E+4	0.635
1106.	1.467	1.291E+4	0.63
1107.	1.45	1.291E+4	0.63
1108.	1.458	1.291E+4	0.629
1109.	1.45	1.291E+4	0.63
1110.	1.456	1.291E+4	0.634
1111.	1.456	1.292E+4	0.629
1112.	1.455	1.292E+4	0.637
1113.	1.462	1.292E+4	0.637
1114.	1.454	1.292E+4	0.633
1115.	1.452	1.292E+4	0.631
1116.	1.462	1.292E+4	0.633
1117.	1.461	1.292E+4	0.63
1118.	1.45	1.292E+4	0.633
1119.	1.456	1.292E+4	0.63
1120.	1.455	1.292E+4	0.633

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1121.	1.452	1.293E+4	0.637
1122.	1.45	1.293E+4	0.633
1123.	1.456	1.293E+4	0.637
1124.	1.458	1.293E+4	0.632
1125.	1.459	1.293E+4	0.633
1126.	1.452	1.293E+4	0.627
1127.	1.45	1.293E+4	0.637
1128.	1.446	1.293E+4	0.633
1129.	1.456	1.293E+4	0.627
1130.	1.457	1.293E+4	0.635
1131.	1.458	1.294E+4	0.639
1132.	1.449	1.294E+4	0.633
1133.	1.459	1.294E+4	0.628
1134.	1.453	1.294E+4	0.624
1135.	1.452	1.294E+4	0.637
1136.	1.452	1.294E+4	0.647
1137.	1.454	1.294E+4	0.63
1138.	1.45	1.294E+4	0.636
1139.	1.453	1.294E+4	0.633
1140.	1.453	1.294E+4	0.63
1141.	1.457	1.295E+4	0.631
1142.	1.452	1.295E+4	0.626
1143.	1.455	1.295E+4	0.63
1144.	1.45	1.295E+4	0.623
1145.	1.45	1.295E+4	0.626
1146.	1.455	1.295E+4	0.63
1147.	1.449	1.295E+4	0.634
1148.	1.45	1.295E+4	0.629
1149.	1.458	1.295E+4	0.629
1150.	1.456	1.295E+4	0.633
1151.	1.457	1.296E+4	0.631
1152.	1.452	1.296E+4	0.63
1153.	1.452	1.296E+4	0.633
1154.	1.453	1.296E+4	0.635
1155.	1.45	1.296E+4	0.628
1156.	1.462	1.296E+4	0.641
1157.	1.45	1.296E+4	0.635
1158.	1.455	1.296E+4	0.633
1159.	1.455	1.296E+4	0.627
1160.	1.449	1.296E+4	0.637
1161.	1.452	1.297E+4	0.626
1162.	1.444	1.297E+4	0.625
1163.	1.44	1.297E+4	0.632
1164.	1.448	1.297E+4	0.628
1165.	1.448	1.297E+4	0.631
1166.	1.445	1.297E+4	0.622
1167.	1.442	1.297E+4	0.635
1168.	1.45	1.297E+4	0.627
1169.	1.447	1.297E+4	0.635
1170.	1.453	1.297E+4	0.631
1171.	1.454	1.298E+4	0.639
1172.	1.441	1.298E+4	0.631
1173.	1.442	1.298E+4	0.636
1174.	1.452	1.298E+4	0.629
1175.	1.445	1.298E+4	0.631

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1176.	1.452	1.298E+4	0.632
1177.	1.44	1.298E+4	0.627
1178.	1.44	1.298E+4	0.627
1179.	1.442	1.298E+4	0.633
1180.	1.449	1.298E+4	0.624
1181.	1.441	1.299E+4	0.635
1182.	1.45	1.299E+4	0.628
1183.	1.445	1.299E+4	0.625
1184.	1.449	1.299E+4	0.626
1185.	1.44	1.299E+4	0.63
1186.	1.454	1.299E+4	0.632
1187.	1.452	1.299E+4	0.625
1188.	1.446	1.299E+4	0.622
1189.	1.45	1.299E+4	0.631
1190.	1.439	1.299E+4	0.629
1191.	1.441	1.3E+4	0.629
1192.	1.435	1.3E+4	0.632
1193.	1.445	1.3E+4	0.63
1194.	1.45	1.3E+4	0.641
1195.	1.449	1.3E+4	0.631
1196.	1.45	1.3E+4	0.631
1197.	1.441	1.3E+4	0.63
1198.	1.44	1.3E+4	0.61
1199.	1.44	1.3E+4	0.621
1200.	1.44	1.3E+4	0.627
1201.	1.441	1.301E+4	0.627
1202.	1.439	1.301E+4	0.634
1203.	1.435	1.301E+4	0.621
1204.	1.442	1.301E+4	0.627
1205.	1.447	1.301E+4	0.623
1206.	1.438	1.301E+4	0.629
1207.	1.438	1.301E+4	0.627
1208.	1.448	1.301E+4	0.63
1209.	1.443	1.301E+4	0.625
1210.	1.445	1.301E+4	0.63
1211.	1.433	1.302E+4	0.621
1212.	1.444	1.302E+4	0.622
1213.	1.438	1.302E+4	0.625
1214.	1.443	1.302E+4	0.647
1215.	1.444	1.302E+4	0.625
1216.	1.442	1.302E+4	0.629
1217.	1.444	1.302E+4	0.63
1218.	1.441	1.302E+4	0.639
1219.	1.436	1.302E+4	0.63
1220.	1.441	1.302E+4	0.619
1221.	1.441	1.303E+4	0.636
1222.	1.44	1.303E+4	0.629
1223.	1.444	1.303E+4	0.629
1224.	1.435	1.303E+4	0.628
1225.	1.442	1.303E+4	0.631
1226.	1.443	1.303E+4	0.638
1227.	1.442	1.303E+4	0.627
1228.	1.443	1.303E+4	0.63
1229.	1.438	1.303E+4	0.628
1230.	1.441	1.303E+4	0.631

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1231.	1.44	1.304E+4	0.628
1232.	1.433	1.304E+4	0.63
1233.	1.438	1.304E+4	0.621
1234.	1.435	1.304E+4	0.622
1235.	1.438	1.304E+4	0.631
1236.	1.44	1.304E+4	0.63
1237.	1.434	1.304E+4	0.624
1238.	1.438	1.304E+4	0.632
1239.	1.436	1.304E+4	0.627
1240.	1.441	1.304E+4	0.62
1241.	1.441	1.305E+4	0.616
1242.	1.441	1.305E+4	0.623
1243.	1.437	1.305E+4	0.628
1244.	1.445	1.305E+4	0.628
1245.	1.441	1.305E+4	0.621
1246.	1.442	1.305E+4	0.628
1247.	1.441	1.305E+4	0.621
1248.	1.441	1.305E+4	0.621
1249.	1.44	1.305E+4	0.627
1250.	1.44	1.305E+4	0.628
1251.	1.445	1.306E+4	0.623
1252.	1.436	1.306E+4	0.619
1253.	1.435	1.306E+4	0.606
1254.	1.443	1.306E+4	0.622
1255.	1.434	1.306E+4	0.624
1256.	1.44	1.306E+4	0.628
1257.	1.437	1.306E+4	0.626
1258.	1.442	1.306E+4	0.624
1259.	1.436	1.306E+4	0.628
1260.	1.446	1.306E+4	0.625
1261.	1.442	1.307E+4	0.622
1262.	1.44	1.307E+4	0.63
1263.	1.438	1.307E+4	0.622
1264.	1.45	1.307E+4	0.635
1265.	1.444	1.307E+4	0.625
1266.	1.44	1.307E+4	0.635
1267.	1.439	1.307E+4	0.624
1268.	1.446	1.307E+4	0.614
1269.	1.442	1.307E+4	0.623
1270.	1.442	1.307E+4	0.63
1271.	1.434	1.308E+4	0.619
1272.	1.44	1.308E+4	0.614
1273.	1.432	1.308E+4	0.616
1274.	1.437	1.308E+4	0.622
1275.	1.441	1.308E+4	0.63
1276.	1.43	1.308E+4	0.625
1277.	1.442	1.308E+4	0.63
1278.	1.439	1.308E+4	0.626
1279.	1.43	1.308E+4	0.631
1280.	1.435	1.308E+4	0.63
1281.	1.438	1.309E+4	0.623
1282.	1.437	1.309E+4	0.626
1283.	1.427	1.309E+4	0.626
1284.	1.43	1.309E+4	0.63
1285.	1.433	1.309E+4	0.625

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1286.	1.435	1.309E+4	0.627
1287.	1.435	1.309E+4	0.624
1288.	1.435	1.309E+4	0.63
1289.	1.436	1.309E+4	0.618
1290.	1.439	1.309E+4	0.622
1291.	1.434	1.31E+4	0.621
1292.	1.429	1.31E+4	0.621
1293.	1.438	1.31E+4	0.623
1294.	1.435	1.31E+4	0.627
1295.	1.43	1.31E+4	0.63
1296.	1.433	1.31E+4	0.619
1297.	1.432	1.31E+4	0.626
1298.	1.441	1.31E+4	0.628
1299.	1.437	1.31E+4	0.621
1300.	1.435	1.31E+4	0.631
1301.	1.437	1.311E+4	0.622
1302.	1.439	1.311E+4	0.624
1303.	1.438	1.311E+4	0.623
1304.	1.435	1.311E+4	0.626
1305.	1.433	1.311E+4	0.624
1306.	1.425	1.311E+4	0.643
1307.	1.441	1.311E+4	0.621
1308.	1.432	1.311E+4	0.637
1309.	1.437	1.311E+4	0.632
1310.	1.432	1.311E+4	0.631
1311.	1.438	1.312E+4	0.619
1312.	1.439	1.312E+4	0.614
1313.	1.43	1.312E+4	0.629
1314.	1.434	1.312E+4	0.627
1315.	1.435	1.312E+4	0.622
1316.	1.438	1.312E+4	0.621
1317.	1.432	1.312E+4	0.622
1318.	1.43	1.312E+4	0.628
1319.	1.43	1.312E+4	0.631
1320.	1.438	1.312E+4	0.621
1321.	1.429	1.313E+4	0.621
1322.	1.435	1.313E+4	0.624
1323.	1.438	1.313E+4	0.617
1324.	1.427	1.313E+4	0.619
1325.	1.432	1.313E+4	0.621
1326.	1.435	1.313E+4	0.621
1327.	1.437	1.313E+4	0.622
1328.	1.432	1.313E+4	0.615
1329.	1.432	1.313E+4	0.635
1330.	1.435	1.313E+4	0.623
1331.	1.432	1.314E+4	0.621
1332.	1.43	1.314E+4	0.62
1333.	1.432	1.314E+4	0.629
1334.	1.426	1.314E+4	0.625
1335.	1.434	1.314E+4	0.625
1336.	1.435	1.314E+4	0.623
1337.	1.432	1.314E+4	0.628
1338.	1.429	1.314E+4	0.619
1339.	1.424	1.314E+4	0.619
1340.	1.433	1.314E+4	0.621

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1341.	1.425	1.315E+4	0.619
1342.	1.435	1.315E+4	0.629
1343.	1.437	1.315E+4	0.622
1344.	1.426	1.315E+4	0.623
1345.	1.432	1.315E+4	0.617
1346.	1.433	1.315E+4	0.614
1347.	1.437	1.315E+4	0.621
1348.	1.432	1.315E+4	0.61
1349.	1.429	1.315E+4	0.611
1350.	1.427	1.315E+4	0.621
1351.	1.432	1.316E+4	0.621
1352.	1.43	1.316E+4	0.623
1353.	1.42	1.316E+4	0.614
1354.	1.43	1.316E+4	0.611
1355.	1.426	1.316E+4	0.616
1356.	1.425	1.316E+4	0.642
1357.	1.43	1.316E+4	0.626
1358.	1.433	1.316E+4	0.618
1359.	1.43	1.316E+4	0.619
1360.	1.426	1.316E+4	0.622
1361.	1.428	1.317E+4	0.619
1362.	1.432	1.317E+4	0.608
1363.	1.434	1.317E+4	0.621
1364.	1.432	1.317E+4	0.625
1365.	1.427	1.317E+4	0.626
1366.	1.429	1.317E+4	0.624
1367.	1.434	1.317E+4	0.617
1368.	1.432	1.317E+4	0.619
1369.	1.426	1.317E+4	0.618
1370.	1.429	1.317E+4	0.61
1371.	1.424	1.318E+4	0.621
1372.	1.43	1.318E+4	0.618
1373.	1.432	1.318E+4	0.63
1374.	1.426	1.318E+4	0.621
1375.	1.43	1.318E+4	0.621
1376.	1.428	1.318E+4	0.605
1377.	1.42	1.318E+4	0.615
1378.	1.433	1.318E+4	0.616
1379.	1.426	1.318E+4	0.615
1380.	1.427	1.318E+4	0.616
1381.	1.43	1.319E+4	0.622
1382.	1.435	1.319E+4	0.61
1383.	1.421	1.319E+4	0.616
1384.	1.428	1.319E+4	0.622
1385.	1.421	1.319E+4	0.612
1386.	1.43	1.319E+4	0.618
1387.	1.42	1.319E+4	0.611
1388.	1.422	1.319E+4	0.617
1389.	1.426	1.319E+4	0.613
1390.	1.432	1.319E+4	0.613
1391.	1.43	1.32E+4	0.619
1392.	1.424	1.32E+4	0.615
1393.	1.419	1.32E+4	0.616
1394.	1.424	1.32E+4	0.617
1395.	1.426	1.32E+4	0.619

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1396.	1.432	1.32E+4	0.622
1397.	1.43	1.32E+4	0.61
1398.	1.426	1.32E+4	0.616
1399.	1.421	1.32E+4	0.614
1400.	1.422	1.32E+4	0.615
1401.	1.422	1.321E+4	0.612
1402.	1.426	1.321E+4	0.617
1403.	1.434	1.321E+4	0.617
1404.	1.421	1.321E+4	0.621
1405.	1.42	1.321E+4	0.61
1406.	1.422	1.321E+4	0.615
1407.	1.423	1.321E+4	0.616
1408.	1.43	1.321E+4	0.61
1409.	1.426	1.321E+4	0.618
1410.	1.422	1.321E+4	0.618
1411.	1.43	1.322E+4	0.61
1412.	1.425	1.322E+4	0.622
1413.	1.421	1.322E+4	0.617
1414.	1.424	1.322E+4	0.619
1415.	1.424	1.322E+4	0.615
1416.	1.424	1.322E+4	0.614
1417.	1.424	1.322E+4	0.604
1418.	1.421	1.322E+4	0.609
1419.	1.428	1.322E+4	0.617
1420.	1.425	1.322E+4	0.613
1421.	1.425	1.323E+4	0.619
1422.	1.424	1.323E+4	0.621
1423.	1.416	1.323E+4	0.611
1424.	1.422	1.323E+4	0.614
1425.	1.419	1.323E+4	0.619
1426.	1.414	1.323E+4	0.611
1427.	1.43	1.323E+4	0.618
1428.	1.424	1.323E+4	0.612
1429.	1.421	1.323E+4	0.621
1430.	1.418	1.323E+4	0.607
1431.	1.421	1.324E+4	0.615
1432.	1.425	1.324E+4	0.615
1433.	1.42	1.324E+4	0.619
1434.	1.423	1.324E+4	0.621
1435.	1.421	1.324E+4	0.618
1436.	1.418	1.324E+4	0.617
1437.	1.426	1.324E+4	0.615
1438.	1.427	1.324E+4	0.61
1439.	1.422	1.324E+4	0.616
1440.	1.428	1.324E+4	0.615
1441.	1.421	1.325E+4	0.612
1442.	1.424	1.325E+4	0.611
1443.	1.426	1.325E+4	0.609
1444.	1.428	1.325E+4	0.616
1445.	1.426	1.325E+4	0.619
1446.	1.422	1.325E+4	0.61
1447.	1.405	1.325E+4	0.611
1448.	1.424	1.325E+4	0.611
1449.	1.421	1.325E+4	0.607
1450.	1.424	1.325E+4	0.618

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1451.	1.43	1.326E+4	0.618
1452.	1.427	1.326E+4	0.614
1453.	1.416	1.326E+4	0.61
1454.	1.425	1.326E+4	0.614
1455.	1.422	1.326E+4	0.611
1456.	1.421	1.326E+4	0.609
1457.	1.421	1.326E+4	0.612
1458.	1.421	1.326E+4	0.61
1459.	1.423	1.326E+4	0.61
1460.	1.419	1.326E+4	0.613
1461.	1.426	1.327E+4	0.61
1462.	1.425	1.327E+4	0.616
1463.	1.426	1.327E+4	0.614
1464.	1.424	1.327E+4	0.619
1465.	1.426	1.327E+4	0.608
1466.	1.423	1.327E+4	0.603
1467.	1.421	1.327E+4	0.61
1468.	1.419	1.327E+4	0.616
1469.	1.424	1.327E+4	0.624
1470.	1.42	1.327E+4	0.61
1471.	1.422	1.328E+4	0.617
1472.	1.421	1.328E+4	0.613
1473.	1.417	1.328E+4	0.614
1474.	1.426	1.328E+4	0.61
1475.	1.428	1.328E+4	0.609
1476.	1.424	1.328E+4	0.613
1477.	1.428	1.328E+4	0.618
1478.	1.421	1.328E+4	0.599
1479.	1.421	1.328E+4	0.611
1480.	1.419	1.328E+4	0.619
1481.	1.421	1.329E+4	0.619
1482.	1.419	1.329E+4	0.613
1483.	1.42	1.329E+4	0.616
1484.	1.423	1.329E+4	0.619
1485.	1.427	1.329E+4	0.615
1486.	1.42	1.329E+4	0.612
1487.	1.419	1.329E+4	0.605
1488.	1.427	1.329E+4	0.611
1489.	1.423	1.329E+4	0.611
1490.	1.424	1.329E+4	0.61
1491.	1.423	1.33E+4	0.615
1492.	1.412	1.33E+4	0.611
1493.	1.419	1.33E+4	0.611
1494.	1.417	1.33E+4	0.613
1495.	1.422	1.33E+4	0.601
1496.	1.422	1.33E+4	0.611
1497.	1.428	1.33E+4	0.612
1498.	1.431	1.33E+4	0.614
1499.	1.423	1.33E+4	0.612
1500.	1.424	1.33E+4	0.607
1501.	1.419	1.331E+4	0.608
1502.	1.415	1.331E+4	0.604
1503.	1.421	1.331E+4	0.616
1504.	1.424	1.331E+4	0.604
1505.	1.426	1.331E+4	0.608

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1506.	1.419	1.331E+4	0.61
1507.	1.413	1.331E+4	0.619
1508.	1.421	1.331E+4	0.61
1509.	1.415	1.331E+4	0.607
1510.	1.425	1.331E+4	0.615
1511.	1.408	1.332E+4	0.608
1512.	1.418	1.332E+4	0.607
1513.	1.426	1.332E+4	0.61
1514.	1.424	1.332E+4	0.605
1515.	1.424	1.332E+4	0.605
1516.	1.421	1.332E+4	0.607
1517.	1.421	1.332E+4	0.608
1518.	1.428	1.332E+4	0.61
1519.	1.419	1.332E+4	0.615
1520.	1.417	1.332E+4	0.615
1521.	1.421	1.333E+4	0.608
1522.	1.413	1.333E+4	0.616
1523.	1.415	1.333E+4	0.623
1524.	1.417	1.333E+4	0.605
1525.	1.419	1.333E+4	0.614
1526.	1.416	1.333E+4	0.606
1527.	1.415	1.333E+4	0.608
1528.	1.426	1.333E+4	0.609
1529.	1.421	1.333E+4	0.61
1530.	1.412	1.333E+4	0.61
1531.	1.422	1.334E+4	0.615
1532.	1.41	1.334E+4	0.614
1533.	1.417	1.334E+4	0.61
1534.	1.415	1.334E+4	0.612
1535.	1.415	1.334E+4	0.613
1536.	1.416	1.334E+4	0.61
1537.	1.422	1.334E+4	0.611
1538.	1.422	1.334E+4	0.613
1539.	1.415	1.334E+4	0.608
1540.	1.419	1.334E+4	0.606
1541.	1.415	1.335E+4	0.611
1542.	1.417	1.335E+4	0.601
1543.	1.416	1.335E+4	0.605
1544.	1.417	1.335E+4	0.611
1545.	1.415	1.335E+4	0.609
1546.	1.419	1.335E+4	0.605
1547.	1.421	1.335E+4	0.603
1548.	1.419	1.335E+4	0.606
1549.	1.417	1.335E+4	0.609
1550.	1.421	1.335E+4	0.606
1551.	1.416	1.336E+4	0.609
1552.	1.413	1.336E+4	0.603
1553.	1.411	1.336E+4	0.601
1554.	1.417	1.336E+4	0.609
1555.	1.413	1.336E+4	0.61
1556.	1.417	1.336E+4	0.607
1557.	1.416	1.336E+4	0.61
1558.	1.412	1.336E+4	0.601
1559.	1.421	1.336E+4	0.607
1560.	1.41	1.336E+4	0.603

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1561.	1.413	1.337E+4	0.605
1562.	1.421	1.337E+4	0.617
1563.	1.42	1.337E+4	0.604
1564.	1.412	1.337E+4	0.614
1565.	1.419	1.337E+4	0.61
1566.	1.417	1.337E+4	0.61
1567.	1.421	1.337E+4	0.61
1568.	1.417	1.337E+4	0.61
1569.	1.412	1.337E+4	0.608
1570.	1.415	1.337E+4	0.615
1571.	1.41	1.338E+4	0.606
1572.	1.415	1.338E+4	0.61
1573.	1.417	1.338E+4	0.609
1574.	1.416	1.338E+4	0.613
1575.	1.417	1.338E+4	0.604
1576.	1.413	1.338E+4	0.599
1577.	1.415	1.338E+4	0.604
1578.	1.417	1.338E+4	0.601
1579.	1.413	1.338E+4	0.61
1580.	1.415	1.338E+4	0.601
1581.	1.41	1.339E+4	0.606
1582.	1.415	1.339E+4	0.603
1583.	1.407	1.339E+4	0.615
1584.	1.413	1.339E+4	0.601
1585.	1.406	1.339E+4	0.603
1586.	1.401	1.339E+4	0.606
1587.	1.412	1.339E+4	0.609
1588.	1.419	1.339E+4	0.606
1589.	1.412	1.339E+4	0.598
1590.	1.413	1.339E+4	0.608
1591.	1.412	1.34E+4	0.613
1592.	1.414	1.34E+4	0.604
1593.	1.404	1.34E+4	0.61
1594.	1.404	1.34E+4	0.602
1595.	1.41	1.34E+4	0.608
1596.	1.413	1.34E+4	0.601
1597.	1.411	1.34E+4	0.608
1598.	1.413	1.34E+4	0.61
1599.	1.415	1.34E+4	0.601
1600.	1.415	1.34E+4	0.605
1601.	1.412	1.341E+4	0.601
1602.	1.406	1.341E+4	0.611
1603.	1.408	1.341E+4	0.599
1604.	1.41	1.341E+4	0.61
1605.	1.404	1.341E+4	0.606
1606.	1.419	1.341E+4	0.606
1607.	1.403	1.341E+4	0.607
1608.	1.412	1.341E+4	0.608
1609.	1.413	1.341E+4	0.601
1610.	1.408	1.341E+4	0.608
1611.	1.404	1.342E+4	0.599
1612.	1.403	1.342E+4	0.609
1613.	1.412	1.342E+4	0.605
1614.	1.415	1.342E+4	0.608
1615.	1.404	1.342E+4	0.602

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1616.	1.412	1.342E+4	0.601
1617.	1.412	1.342E+4	0.603
1618.	1.417	1.342E+4	0.608
1619.	1.415	1.342E+4	0.61
1620.	1.406	1.342E+4	0.604
1621.	1.412	1.343E+4	0.607
1622.	1.412	1.343E+4	0.613
1623.	1.415	1.343E+4	0.611
1624.	1.416	1.343E+4	0.606
1625.	1.406	1.343E+4	0.603
1626.	1.406	1.343E+4	0.605
1627.	1.417	1.343E+4	0.603
1628.	1.409	1.343E+4	0.608
1629.	1.404	1.343E+4	0.605
1630.	1.412	1.343E+4	0.617
1631.	1.401	1.344E+4	0.61
1632.	1.408	1.344E+4	0.602
1633.	1.411	1.344E+4	0.602
1634.	1.406	1.344E+4	0.601
1635.	1.412	1.344E+4	0.602
1636.	1.404	1.344E+4	0.606
1637.	1.406	1.344E+4	0.602
1638.	1.407	1.344E+4	0.598
1639.	1.408	1.344E+4	0.612
1640.	1.401	1.344E+4	0.604
1641.	1.401	1.345E+4	0.603
1642.	1.415	1.345E+4	0.602
1643.	1.412	1.345E+4	0.604
1644.	1.401	1.345E+4	0.599
1645.	1.421	1.345E+4	0.595
1646.	1.405	1.345E+4	0.602
1647.	1.389	1.345E+4	0.599
1648.	1.408	1.345E+4	0.597
1649.	1.408	1.345E+4	0.595
1650.	1.404	1.345E+4	0.601
1651.	1.403	1.346E+4	0.606
1652.	1.404	1.346E+4	0.606
1653.	1.418	1.346E+4	0.593
1654.	1.408	1.346E+4	0.603
1655.	1.404	1.346E+4	0.608
1656.	1.41	1.346E+4	0.599
1657.	1.412	1.346E+4	0.602
1658.	1.41	1.346E+4	0.607
1659.	1.399	1.346E+4	0.601
1660.	1.399	1.346E+4	0.606
1661.	1.41	1.347E+4	0.589
1662.	1.395	1.347E+4	0.601
1663.	1.404	1.347E+4	0.604
1664.	1.403	1.347E+4	0.593
1665.	1.406	1.347E+4	0.604
1666.	1.403	1.347E+4	0.602
1667.	1.4	1.347E+4	0.581
1668.	1.41	1.347E+4	0.606
1669.	1.403	1.347E+4	0.599
1670.	1.399	1.347E+4	0.591

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1671.	1.403	1.348E+4	0.596
1672.	1.401	1.348E+4	0.608
1673.	1.397	1.348E+4	0.591
1674.	1.399	1.348E+4	0.599
1675.	1.399	1.348E+4	0.602
1676.	1.399	1.348E+4	0.607
1677.	1.407	1.348E+4	0.608
1678.	1.401	1.348E+4	0.595
1679.	1.4	1.348E+4	0.604
1680.	1.401	1.348E+4	0.595
1681.	1.41	1.349E+4	0.608
1682.	1.401	1.349E+4	0.595
1683.	1.404	1.349E+4	0.609
1684.	1.404	1.349E+4	0.599
1685.	1.404	1.349E+4	0.595
1686.	1.399	1.349E+4	0.602
1687.	1.404	1.349E+4	0.606
1688.	1.399	1.349E+4	0.608
1689.	1.404	1.349E+4	0.602
1690.	1.401	1.349E+4	0.599
1691.	1.4	1.35E+4	0.597
1692.	1.401	1.35E+4	0.593
1693.	1.403	1.35E+4	0.601
1694.	1.398	1.35E+4	0.601
1695.	1.403	1.35E+4	0.604
1696.	1.401	1.35E+4	0.595
1697.	1.401	1.35E+4	0.596
1698.	1.404	1.35E+4	0.606
1699.	1.408	1.35E+4	0.601
1700.	1.395	1.35E+4	0.602
1701.	1.412	1.351E+4	0.601
1702.	1.406	1.351E+4	0.599
1703.	1.4	1.351E+4	0.601
1704.	1.393	1.351E+4	0.593
1705.	1.397	1.351E+4	0.606
1706.	1.401	1.351E+4	0.603
1707.	1.405	1.351E+4	0.599
1708.	1.392	1.351E+4	0.593
1709.	1.406	1.351E+4	0.603
1710.	1.399	1.351E+4	0.601
1711.	1.399	1.352E+4	0.604
1712.	1.401	1.352E+4	0.604
1713.	1.395	1.352E+4	0.597
1714.	1.395	1.352E+4	0.608
1715.	1.398	1.352E+4	0.604
1716.	1.395	1.352E+4	0.599
1717.	1.396	1.352E+4	0.596
1718.	1.401	1.352E+4	0.592
1719.	1.397	1.352E+4	0.599
1720.	1.401	1.352E+4	0.601
1721.	1.399	1.353E+4	0.601
1722.	1.393	1.353E+4	0.601
1723.	1.395	1.353E+4	0.59
1724.	1.388	1.353E+4	0.599
1725.	1.393	1.353E+4	0.59

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1726.	1.396	1.353E+4	0.607
1727.	1.395	1.353E+4	0.602
1728.	1.399	1.353E+4	0.602
1729.	1.401	1.353E+4	0.604
1730.	1.401	1.353E+4	0.597
1731.	1.393	1.354E+4	0.604
1732.	1.403	1.354E+4	0.595
1733.	1.399	1.354E+4	0.601
1734.	1.392	1.354E+4	0.601
1735.	1.388	1.354E+4	0.599
1736.	1.393	1.354E+4	0.596
1737.	1.393	1.354E+4	0.618
1738.	1.392	1.354E+4	0.599
1739.	1.401	1.354E+4	0.606
1740.	1.399	1.354E+4	0.597
1741.	1.399	1.355E+4	0.59
1742.	1.408	1.355E+4	0.597
1743.	1.399	1.355E+4	0.599
1744.	1.393	1.355E+4	0.594
1745.	1.399	1.355E+4	0.599
1746.	1.403	1.355E+4	0.596
1747.	1.395	1.355E+4	0.598
1748.	1.393	1.355E+4	0.601
1749.	1.388	1.355E+4	0.601
1750.	1.401	1.355E+4	0.598
1751.	1.4	1.356E+4	0.601
1752.	1.395	1.356E+4	0.601
1753.	1.399	1.356E+4	0.593
1754.	1.403	1.356E+4	0.598
1755.	1.399	1.356E+4	0.596
1756.	1.398	1.356E+4	0.606
1757.	1.399	1.356E+4	0.593
1758.	1.399	1.356E+4	0.599
1759.	1.392	1.356E+4	0.594
1760.	1.389	1.356E+4	0.601
1761.	1.395	1.357E+4	0.599
1762.	1.399	1.357E+4	0.599
1763.	1.399	1.357E+4	0.605
1764.	1.393	1.357E+4	0.593
1765.	1.403	1.357E+4	0.589
1766.	1.399	1.357E+4	0.587
1767.	1.393	1.357E+4	0.602
1768.	1.392	1.357E+4	0.596
1769.	1.399	1.357E+4	0.597
1770.	1.399	1.357E+4	0.593
1771.	1.392	1.358E+4	0.603
1772.	1.401	1.358E+4	0.593
1773.	1.396	1.358E+4	0.601
1774.	1.398	1.358E+4	0.593
1775.	1.393	1.358E+4	0.593
1776.	1.393	1.358E+4	0.595
1777.	1.393	1.358E+4	0.588
1778.	1.401	1.358E+4	0.597
1779.	1.392	1.358E+4	0.602
1780.	1.393	1.358E+4	0.597

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1781.	1.392	1.359E+4	0.591
1782.	1.392	1.359E+4	0.601
1783.	1.39	1.359E+4	0.601
1784.	1.392	1.359E+4	0.599
1785.	1.392	1.359E+4	0.606
1786.	1.384	1.359E+4	0.595
1787.	1.392	1.359E+4	0.593
1788.	1.388	1.359E+4	0.59
1789.	1.392	1.359E+4	0.596
1790.	1.395	1.359E+4	0.599
1791.	1.388	1.36E+4	0.591
1792.	1.39	1.36E+4	0.594
1793.	1.395	1.36E+4	0.596
1794.	1.393	1.36E+4	0.598
1795.	1.388	1.36E+4	0.599
1796.	1.395	1.36E+4	0.592
1797.	1.393	1.36E+4	0.602
1798.	1.39	1.36E+4	0.599
1799.	1.39	1.36E+4	0.599
1800.	1.392	1.36E+4	0.59
1801.	1.392	1.361E+4	0.596
1802.	1.388	1.361E+4	0.599
1803.	1.403	1.361E+4	0.599
1804.	1.392	1.361E+4	0.593
1805.	1.393	1.361E+4	0.59
1806.	1.39	1.361E+4	0.597
1807.	1.384	1.361E+4	0.59
1808.	1.386	1.361E+4	0.601
1809.	1.392	1.361E+4	0.582
1810.	1.392	1.361E+4	0.597
1811.	1.392	1.362E+4	0.597
1812.	1.385	1.362E+4	0.601
1813.	1.395	1.362E+4	0.601
1814.	1.388	1.362E+4	0.598
1815.	1.379	1.362E+4	0.587
1816.	1.403	1.362E+4	0.595
1817.	1.393	1.362E+4	0.593
1818.	1.388	1.362E+4	0.59
1819.	1.392	1.362E+4	0.595
1820.	1.387	1.362E+4	0.596
1821.	1.395	1.363E+4	0.593
1822.	1.39	1.363E+4	0.602
1823.	1.393	1.363E+4	0.592
1824.	1.392	1.363E+4	0.595
1825.	1.392	1.363E+4	0.586
1826.	1.386	1.363E+4	0.595
1827.	1.388	1.363E+4	0.602
1828.	1.388	1.363E+4	0.597
1829.	1.39	1.363E+4	0.595
1830.	1.383	1.363E+4	0.589
1831.	1.386	1.364E+4	0.595
1832.	1.386	1.364E+4	0.587
1833.	1.386	1.364E+4	0.591
1834.	1.386	1.364E+4	0.595
1835.	1.385	1.364E+4	0.59

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1836.	1.395	1.364E+4	0.595
1837.	1.388	1.364E+4	0.584
1838.	1.385	1.364E+4	0.593
1839.	1.39	1.364E+4	0.591
1840.	1.388	1.364E+4	0.59
1841.	1.388	1.365E+4	0.593
1842.	1.386	1.365E+4	0.595
1843.	1.385	1.365E+4	0.591
1844.	1.385	1.365E+4	0.582
1845.	1.392	1.365E+4	0.593
1846.	1.384	1.365E+4	0.591
1847.	1.388	1.365E+4	0.59
1848.	1.393	1.365E+4	0.588
1849.	1.39	1.365E+4	0.591
1850.	1.39	1.365E+4	0.59
1851.	1.386	1.366E+4	0.579
1852.	1.385	1.366E+4	0.595
1853.	1.38	1.366E+4	0.593
1854.	1.39	1.366E+4	0.599
1855.	1.383	1.366E+4	0.598
1856.	1.392	1.366E+4	0.588
1857.	1.392	1.366E+4	0.597
1858.	1.399	1.366E+4	0.591
1859.	1.392	1.366E+4	0.584
1860.	1.386	1.366E+4	0.582
1861.	1.392	1.367E+4	0.588
1862.	1.39	1.367E+4	0.591
1863.	1.386	1.367E+4	0.587
1864.	1.393	1.367E+4	0.591
1865.	1.388	1.367E+4	0.584
1866.	1.389	1.367E+4	0.591
1867.	1.386	1.367E+4	0.586
1868.	1.39	1.367E+4	0.588
1869.	1.39	1.367E+4	0.59
1870.	1.386	1.367E+4	0.588
1871.	1.381	1.368E+4	0.59
1872.	1.379	1.368E+4	0.587
1873.	1.386	1.368E+4	0.59
1874.	1.377	1.368E+4	0.588
1875.	1.388	1.368E+4	0.593
1876.	1.375	1.368E+4	0.583
1877.	1.391	1.368E+4	0.581
1878.	1.388	1.368E+4	0.59
1879.	1.384	1.368E+4	0.593
1880.	1.388	1.368E+4	0.586
1881.	1.391	1.369E+4	0.588
1882.	1.379	1.369E+4	0.579
1883.	1.384	1.369E+4	0.586
1884.	1.385	1.369E+4	0.591
1885.	1.384	1.369E+4	0.591
1886.	1.386	1.369E+4	0.582
1887.	1.384	1.369E+4	0.586
1888.	1.392	1.369E+4	0.581
1889.	1.384	1.369E+4	0.579
1890.	1.39	1.369E+4	0.59

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1891.	1.39	1.37E+4	0.584
1892.	1.379	1.37E+4	0.585
1893.	1.381	1.37E+4	0.589
1894.	1.383	1.37E+4	0.581
1895.	1.379	1.37E+4	0.597
1896.	1.384	1.37E+4	0.569
1897.	1.381	1.37E+4	0.591
1898.	1.39	1.37E+4	0.591
1899.	1.381	1.37E+4	0.59
1900.	1.384	1.37E+4	0.581
1901.	1.383	1.371E+4	0.584
1902.	1.388	1.371E+4	0.579
1903.	1.383	1.371E+4	0.584
1904.	1.398	1.371E+4	0.584
1905.	1.381	1.371E+4	0.588
1906.	1.381	1.371E+4	0.598
1907.	1.38	1.371E+4	0.579
1908.	1.388	1.371E+4	0.588
1909.	1.39	1.371E+4	0.582
1910.	1.385	1.371E+4	0.585
1911.	1.388	1.372E+4	0.593
1912.	1.381	1.372E+4	0.585
1913.	1.386	1.372E+4	0.587
1914.	1.383	1.372E+4	0.588
1915.	1.37	1.372E+4	0.582
1916.	1.387	1.372E+4	0.59
1917.	1.375	1.372E+4	0.581
1918.	1.381	1.372E+4	0.581
1919.	1.39	1.372E+4	0.584
1920.	1.372	1.372E+4	0.588
1921.	1.384	1.373E+4	0.579
1922.	1.383	1.373E+4	0.587
1923.	1.384	1.373E+4	0.587
1924.	1.386	1.373E+4	0.584
1925.	1.379	1.373E+4	0.59
1926.	1.384	1.373E+4	0.606
1927.	1.378	1.373E+4	0.59
1928.	1.383	1.373E+4	0.589
1929.	1.379	1.373E+4	0.577
1930.	1.377	1.373E+4	0.59
1931.	1.381	1.374E+4	0.586
1932.	1.384	1.374E+4	0.581
1933.	1.377	1.374E+4	0.581
1934.	1.377	1.374E+4	0.581
1935.	1.381	1.374E+4	0.589
1936.	1.377	1.374E+4	0.581
1937.	1.381	1.374E+4	0.584
1938.	1.388	1.374E+4	0.586
1939.	1.386	1.374E+4	0.584
1940.	1.373	1.374E+4	0.579
1941.	1.377	1.375E+4	0.586
1942.	1.381	1.375E+4	0.576
1943.	1.375	1.375E+4	0.586
1944.	1.383	1.375E+4	0.578
1945.	1.377	1.375E+4	0.583

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1946.	1.383	1.375E+4	0.577
1947.	1.375	1.375E+4	0.582
1948.	1.381	1.375E+4	0.581
1949.	1.375	1.375E+4	0.582
1950.	1.373	1.375E+4	0.585
1951.	1.383	1.376E+4	0.585
1952.	1.383	1.376E+4	0.582
1953.	1.381	1.376E+4	0.579
1954.	1.379	1.376E+4	0.588
1955.	1.379	1.376E+4	0.576
1956.	1.377	1.376E+4	0.582
1957.	1.377	1.376E+4	0.579
1958.	1.377	1.376E+4	0.582
1959.	1.372	1.376E+4	0.587
1960.	1.371	1.376E+4	0.581
1961.	1.377	1.377E+4	0.579
1962.	1.37	1.377E+4	0.583
1963.	1.377	1.377E+4	0.587
1964.	1.379	1.377E+4	0.581
1965.	1.377	1.377E+4	0.583
1966.	1.373	1.377E+4	0.588
1967.	1.383	1.377E+4	0.581
1968.	1.375	1.377E+4	0.578
1969.	1.373	1.377E+4	0.584
1970.	1.377	1.377E+4	0.581
1971.	1.377	1.378E+4	0.582
1972.	1.378	1.378E+4	0.584
1973.	1.373	1.378E+4	0.584
1974.	1.381	1.378E+4	0.584
1975.	1.375	1.378E+4	0.586
1976.	1.377	1.378E+4	0.578
1977.	1.376	1.378E+4	0.583
1978.	1.379	1.378E+4	0.582
1979.	1.383	1.378E+4	0.587
1980.	1.386	1.378E+4	0.586
1981.	1.381	1.379E+4	0.585
1982.	1.373	1.379E+4	0.59
1983.	1.379	1.379E+4	0.584
1984.	1.384	1.379E+4	0.585
1985.	1.379	1.379E+4	0.581
1986.	1.372	1.379E+4	0.582
1987.	1.381	1.379E+4	0.578
1988.	1.377	1.379E+4	0.585
1989.	1.38	1.379E+4	0.579
1990.	1.377	1.379E+4	0.582
1991.	1.372	1.38E+4	0.592
1992.	1.381	1.38E+4	0.581
1993.	1.379	1.38E+4	0.579
1994.	1.374	1.38E+4	0.577
1995.	1.373	1.38E+4	0.576
1996.	1.372	1.38E+4	0.572
1997.	1.37	1.38E+4	0.576
1998.	1.373	1.38E+4	0.586
1999.	1.372	1.38E+4	0.581
2000.	1.372	1.38E+4	0.579

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2001.	1.377	1.381E+4	0.571
2002.	1.377	1.381E+4	0.568
2003.	1.368	1.381E+4	0.584
2004.	1.369	1.381E+4	0.577
2005.	1.373	1.381E+4	0.571
2006.	1.383	1.381E+4	0.59
2007.	1.379	1.381E+4	0.571
2008.	1.375	1.381E+4	0.582
2009.	1.37	1.381E+4	0.586
2010.	1.37	1.381E+4	0.577
2011.	1.361	1.382E+4	0.581
2012.	1.37	1.382E+4	0.582
2013.	1.377	1.382E+4	0.579
2014.	1.368	1.382E+4	0.579
2015.	1.373	1.382E+4	0.574
2016.	1.364	1.382E+4	0.581
2017.	1.373	1.382E+4	0.588
2018.	1.37	1.382E+4	0.578
2019.	1.378	1.382E+4	0.581
2020.	1.365	1.382E+4	0.584
2021.	1.375	1.383E+4	0.579
2022.	1.373	1.383E+4	0.582
2023.	1.379	1.383E+4	0.573
2024.	1.375	1.383E+4	0.586
2025.	1.375	1.383E+4	0.575
2026.	1.37	1.383E+4	0.576
2027.	1.372	1.383E+4	0.562
2028.	1.368	1.383E+4	0.583
2029.	1.372	1.383E+4	0.587
2030.	1.372	1.383E+4	0.574
2031.	1.37	1.384E+4	0.581
2032.	1.37	1.384E+4	0.579
2033.	1.368	1.384E+4	0.585
2034.	1.368	1.384E+4	0.579
2035.	1.366	1.384E+4	0.581
2036.	1.368	1.384E+4	0.578
2037.	1.373	1.384E+4	0.574
2038.	1.375	1.384E+4	0.576
2039.	1.364	1.384E+4	0.576
2040.	1.372	1.384E+4	0.581
2041.	1.363	1.385E+4	0.576
2042.	1.368	1.385E+4	0.574
2043.	1.372	1.385E+4	0.581
2044.	1.368	1.385E+4	0.582
2045.	1.373	1.385E+4	0.584
2046.	1.373	1.385E+4	0.581
2047.	1.373	1.385E+4	0.581
2048.	1.369	1.385E+4	0.583
2049.	1.373	1.385E+4	0.577
2050.	1.37	1.385E+4	0.581
2051.	1.373	1.386E+4	0.581
2052.	1.366	1.386E+4	0.579
2053.	1.372	1.386E+4	0.578
2054.	1.363	1.386E+4	0.579
2055.	1.377	1.386E+4	0.577

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2056.	1.37	1.386E+4	0.577
2057.	1.366	1.386E+4	0.575
2058.	1.363	1.386E+4	0.571
2059.	1.368	1.386E+4	0.581
2060.	1.368	1.386E+4	0.57
2061.	1.367	1.387E+4	0.578
2062.	1.363	1.387E+4	0.576
2063.	1.366	1.387E+4	0.581
2064.	1.366	1.387E+4	0.572
2065.	1.366	1.387E+4	0.577
2066.	1.364	1.387E+4	0.581
2067.	1.372	1.387E+4	0.581
2068.	1.366	1.387E+4	0.577
2069.	1.368	1.387E+4	0.578
2070.	1.37	1.387E+4	0.576
2071.	1.368	1.388E+4	0.579
2072.	1.371	1.388E+4	0.581
2073.	1.367	1.388E+4	0.576
2074.	1.368	1.388E+4	0.577
2075.	1.367	1.388E+4	0.574
2076.	1.376	1.388E+4	0.571
2077.	1.366	1.388E+4	0.579
2078.	1.366	1.388E+4	0.579
2079.	1.363	1.388E+4	0.578
2080.	1.37	1.388E+4	0.572
2081.	1.366	1.389E+4	0.575
2082.	1.366	1.389E+4	0.583
2083.	1.368	1.389E+4	0.584
2084.	1.368	1.389E+4	0.576
2085.	1.373	1.389E+4	0.569
2086.	1.37	1.389E+4	0.579
2087.	1.37	1.389E+4	0.571
2088.	1.371	1.389E+4	0.582
2089.	1.372	1.389E+4	0.571
2090.	1.366	1.389E+4	0.57
2091.	1.368	1.39E+4	0.577
2092.	1.37	1.39E+4	0.575
2093.	1.364	1.39E+4	0.574
2094.	1.372	1.39E+4	0.574
2095.	1.362	1.39E+4	0.573
2096.	1.367	1.39E+4	0.594
2097.	1.363	1.39E+4	0.573
2098.	1.363	1.39E+4	0.573
2099.	1.363	1.39E+4	0.579
2100.	1.364	1.39E+4	0.566
2101.	1.361	1.391E+4	0.575
2102.	1.364	1.391E+4	0.579
2103.	1.357	1.391E+4	0.574
2104.	1.366	1.391E+4	0.581
2105.	1.354	1.391E+4	0.561
2106.	1.361	1.391E+4	0.571
2107.	1.368	1.391E+4	0.583
2108.	1.359	1.391E+4	0.577
2109.	1.368	1.391E+4	0.577
2110.	1.364	1.391E+4	0.575

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2111.	1.361	1.392E+4	0.577
2112.	1.372	1.392E+4	0.579
2113.	1.356	1.392E+4	0.576
2114.	1.363	1.392E+4	0.584
2115.	1.363	1.392E+4	0.586
2116.	1.364	1.392E+4	0.588
2117.	1.364	1.392E+4	0.581
2118.	1.364	1.392E+4	0.588
2119.	1.366	1.392E+4	0.581
2120.	1.359	1.392E+4	0.581
2121.	1.359	1.393E+4	0.576
2122.	1.361	1.393E+4	0.579
2123.	1.357	1.393E+4	0.582
2124.	1.366	1.393E+4	0.581
2125.	1.361	1.393E+4	0.577
2126.	1.368	1.393E+4	0.575
2127.	1.363	1.393E+4	0.581
2128.	1.359	1.393E+4	0.577
2129.	1.363	1.393E+4	0.576
2130.	1.363	1.393E+4	0.573
2131.	1.359	1.394E+4	0.575
2132.	1.361	1.394E+4	0.581
2133.	1.372	1.394E+4	0.573
2134.	1.364	1.394E+4	0.57
2135.	1.364	1.394E+4	0.575
2136.	1.362	1.394E+4	0.573
2137.	1.361	1.394E+4	0.577
2138.	1.361	1.394E+4	0.563
2139.	1.366	1.394E+4	0.577
2140.	1.364	1.394E+4	0.577
2141.	1.364	1.395E+4	0.574
2142.	1.363	1.395E+4	0.57
2143.	1.363	1.395E+4	0.574
2144.	1.372	1.395E+4	0.57
2145.	1.361	1.395E+4	0.57
2146.	1.359	1.395E+4	0.569
2147.	1.357	1.395E+4	0.572
2148.	1.364	1.395E+4	0.579
2149.	1.367	1.395E+4	0.578
2150.	1.364	1.395E+4	0.571
2151.	1.358	1.396E+4	0.57
2152.	1.37	1.396E+4	0.563
2153.	1.359	1.396E+4	0.574
2154.	1.359	1.396E+4	0.576
2155.	1.364	1.396E+4	0.568
2156.	1.368	1.396E+4	0.574
2157.	1.359	1.396E+4	0.573
2158.	1.357	1.396E+4	0.572
2159.	1.366	1.396E+4	0.572
2160.	1.364	1.396E+4	0.581
2161.	1.355	1.397E+4	0.572
2162.	1.363	1.397E+4	0.574
2163.	1.363	1.397E+4	0.57
2164.	1.357	1.397E+4	0.581
2165.	1.359	1.397E+4	0.567

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2166.	1.363	1.397E+4	0.575
2167.	1.355	1.397E+4	0.566
2168.	1.357	1.397E+4	0.566
2169.	1.36	1.397E+4	0.578
2170.	1.361	1.397E+4	0.576
2171.	1.359	1.398E+4	0.574
2172.	1.356	1.398E+4	0.566
2173.	1.359	1.398E+4	0.578
2174.	1.355	1.398E+4	0.578
2175.	1.359	1.398E+4	0.569
2176.	1.361	1.398E+4	0.574
2177.	1.352	1.398E+4	0.577
2178.	1.363	1.398E+4	0.569
2179.	1.356	1.398E+4	0.566
2180.	1.363	1.398E+4	0.571
2181.	1.352	1.399E+4	0.578
2182.	1.361	1.399E+4	0.573
2183.	1.359	1.399E+4	0.573
2184.	1.363	1.399E+4	0.567
2185.	1.359	1.399E+4	0.573
2186.	1.349	1.399E+4	0.571
2187.	1.338	1.399E+4	0.579
2188.	1.355	1.399E+4	0.563
2189.	1.359	1.399E+4	0.568
2190.	1.358	1.399E+4	0.57
2191.	1.354	1.4E+4	0.571
2192.	1.35	1.4E+4	0.568
2193.	1.358	1.4E+4	0.569
2194.	1.357	1.4E+4	0.569
2195.	1.359	1.4E+4	0.568
2196.	1.347	1.4E+4	0.573
2197.	1.357	1.4E+4	0.579
2198.	1.354	1.4E+4	0.568
2199.	1.354	1.4E+4	0.567
2200.	1.355	1.4E+4	0.562
2201.	1.361	1.401E+4	0.571
2202.	1.354	1.401E+4	0.565
2203.	1.357	1.401E+4	0.566
2204.	1.363	1.401E+4	0.563
2205.	1.359	1.401E+4	0.559
2206.	1.352	1.401E+4	0.567
2207.	1.36	1.401E+4	0.576
2208.	1.357	1.401E+4	0.559
2209.	1.356	1.401E+4	0.559
2210.	1.361	1.401E+4	0.579
2211.	1.357	1.402E+4	0.572
2212.	1.354	1.402E+4	0.568
2213.	1.354	1.402E+4	0.571
2214.	1.359	1.402E+4	0.575
2215.	1.351	1.402E+4	0.572
2216.	1.356	1.402E+4	0.571
2217.	1.357	1.402E+4	0.573
2218.	1.352	1.402E+4	0.572
2219.	1.361	1.402E+4	0.561
2220.	1.359	1.402E+4	0.567

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2221.	1.364	1.403E+4	0.57
2222.	1.358	1.403E+4	0.561
2223.	1.354	1.403E+4	0.576
2224.	1.356	1.403E+4	0.567
2225.	1.352	1.403E+4	0.57
2226.	1.359	1.403E+4	0.561
2227.	1.357	1.403E+4	0.569
2228.	1.352	1.403E+4	0.572
2229.	1.357	1.403E+4	0.573
2230.	1.357	1.403E+4	0.567
2231.	1.355	1.404E+4	0.567
2232.	1.355	1.404E+4	0.574
2233.	1.355	1.404E+4	0.559
2234.	1.354	1.404E+4	0.573
2235.	1.361	1.404E+4	0.574
2236.	1.35	1.404E+4	0.567
2237.	1.355	1.404E+4	0.561
2238.	1.354	1.404E+4	0.565
2239.	1.348	1.404E+4	0.573
2240.	1.357	1.404E+4	0.568
2241.	1.33	1.405E+4	0.571
2242.	1.355	1.405E+4	0.573
2243.	1.354	1.405E+4	0.561
2244.	1.359	1.405E+4	0.559
2245.	1.354	1.405E+4	0.563
2246.	1.355	1.405E+4	0.568
2247.	1.363	1.405E+4	0.559
2248.	1.354	1.405E+4	0.573
2249.	1.359	1.405E+4	0.57
2250.	1.35	1.405E+4	0.563
2251.	1.343	1.406E+4	0.562
2252.	1.355	1.406E+4	0.566
2253.	1.363	1.406E+4	0.57
2254.	1.352	1.406E+4	0.572
2255.	1.35	1.406E+4	0.576
2256.	1.357	1.406E+4	0.571
2257.	1.355	1.406E+4	0.561
2258.	1.357	1.406E+4	0.567
2259.	1.355	1.406E+4	0.569
2260.	1.355	1.406E+4	0.565
2261.	1.354	1.407E+4	0.562
2262.	1.359	1.407E+4	0.564
2263.	1.355	1.407E+4	0.564
2264.	1.355	1.407E+4	0.575
2265.	1.35	1.407E+4	0.565
2266.	1.346	1.407E+4	0.571
2267.	1.357	1.407E+4	0.569
2268.	1.348	1.407E+4	0.565
2269.	1.359	1.407E+4	0.571
2270.	1.352	1.407E+4	0.567
2271.	1.348	1.408E+4	0.567
2272.	1.35	1.408E+4	0.576
2273.	1.354	1.408E+4	0.569
2274.	1.354	1.408E+4	0.57
2275.	1.355	1.408E+4	0.57

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2276.	1.346	1.408E+4	0.569
2277.	1.35	1.408E+4	0.572
2278.	1.352	1.408E+4	0.57
2279.	1.35	1.408E+4	0.574
2280.	1.35	1.408E+4	0.568
2281.	1.355	1.409E+4	0.561
2282.	1.352	1.409E+4	0.567
2283.	1.338	1.409E+4	0.561
2284.	1.341	1.409E+4	0.566
2285.	1.344	1.409E+4	0.565
2286.	1.352	1.409E+4	0.565
2287.	1.348	1.409E+4	0.574
2288.	1.342	1.409E+4	0.568
2289.	1.352	1.409E+4	0.567
2290.	1.344	1.409E+4	0.563
2291.	1.357	1.41E+4	0.571
2292.	1.344	1.41E+4	0.564
2293.	1.35	1.41E+4	0.572
2294.	1.357	1.41E+4	0.57
2295.	1.354	1.41E+4	0.567
2296.	1.354	1.41E+4	0.57
2297.	1.349	1.41E+4	0.567
2298.	1.35	1.41E+4	0.562
2299.	1.354	1.41E+4	0.568
2300.	1.343	1.41E+4	0.569
2301.	1.357	1.411E+4	0.561
2302.	1.354	1.411E+4	0.565
2303.	1.357	1.411E+4	0.574
2304.	1.346	1.411E+4	0.564
2305.	1.344	1.411E+4	0.57
2306.	1.348	1.411E+4	0.572
2307.	1.352	1.411E+4	0.561
2308.	1.354	1.411E+4	0.567
2309.	1.352	1.411E+4	0.567
2310.	1.346	1.411E+4	0.57
2311.	1.352	1.412E+4	0.562
2312.	1.355	1.412E+4	0.57
2313.	1.354	1.412E+4	0.566
2314.	1.355	1.412E+4	0.569
2315.	1.35	1.412E+4	0.565
2316.	1.355	1.412E+4	0.561
2317.	1.35	1.412E+4	0.558
2318.	1.357	1.412E+4	0.57
2319.	1.357	1.412E+4	0.568
2320.	1.36	1.412E+4	0.559
2321.	1.346	1.413E+4	0.57
2322.	1.352	1.413E+4	0.559
2323.	1.354	1.413E+4	0.563
2324.	1.348	1.413E+4	0.567
2325.	1.348	1.413E+4	0.565
2326.	1.343	1.413E+4	0.566
2327.	1.348	1.413E+4	0.555
2328.	1.347	1.413E+4	0.567
2329.	1.352	1.413E+4	0.568
2330.	1.35	1.413E+4	0.554

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2331.	1.35	1.414E+4	0.563
2332.	1.346	1.414E+4	0.573
2333.	1.346	1.414E+4	0.558
2334.	1.346	1.414E+4	0.561
2335.	1.341	1.414E+4	0.57
2336.	1.348	1.414E+4	0.555
2337.	1.344	1.414E+4	0.563
2338.	1.346	1.414E+4	0.567
2339.	1.339	1.414E+4	0.563
2340.	1.343	1.414E+4	0.555
2341.	1.349	1.415E+4	0.558
2342.	1.346	1.415E+4	0.564
2343.	1.343	1.415E+4	0.561
2344.	1.343	1.415E+4	0.566
2345.	1.334	1.415E+4	0.563
2346.	1.352	1.415E+4	0.562
2347.	1.341	1.415E+4	0.57
2348.	1.337	1.415E+4	0.561
2349.	1.347	1.415E+4	0.559
2350.	1.343	1.415E+4	0.567
2351.	1.346	1.416E+4	0.563
2352.	1.341	1.416E+4	0.563
2353.	1.341	1.416E+4	0.567
2354.	1.348	1.416E+4	0.564
2355.	1.35	1.416E+4	0.561
2356.	1.335	1.416E+4	0.563
2357.	1.344	1.416E+4	0.567
2358.	1.348	1.416E+4	0.564
2359.	1.343	1.416E+4	0.563
2360.	1.343	1.416E+4	0.566
2361.	1.344	1.417E+4	0.565
2362.	1.341	1.417E+4	0.547
2363.	1.341	1.417E+4	0.566
2364.	1.344	1.417E+4	0.566
2365.	1.345	1.417E+4	0.57
2366.	1.341	1.417E+4	0.572
2367.	1.346	1.417E+4	0.562
2368.	1.346	1.417E+4	0.561
2369.	1.346	1.417E+4	0.565
2370.	1.334	1.417E+4	0.567
2371.	1.352	1.418E+4	0.561
2372.	1.339	1.418E+4	0.559
2373.	1.335	1.418E+4	0.57
2374.	1.344	1.418E+4	0.567
2375.	1.339	1.418E+4	0.563
2376.	1.348	1.418E+4	0.565
2377.	1.346	1.418E+4	0.561
2378.	1.341	1.418E+4	0.562
2379.	1.344	1.418E+4	0.574
2380.	1.346	1.418E+4	0.565
2381.	1.35	1.419E+4	0.569
2382.	1.334	1.419E+4	0.558
2383.	1.343	1.419E+4	0.559
2384.	1.341	1.419E+4	0.567
2385.	1.343	1.419E+4	0.566

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2386.	1.339	1.419E+4	0.57
2387.	1.341	1.419E+4	0.561
2388.	1.339	1.419E+4	0.57
2389.	1.334	1.419E+4	0.562
2390.	1.339	1.419E+4	0.559
2391.	1.337	1.42E+4	0.565
2392.	1.341	1.42E+4	0.558
2393.	1.341	1.42E+4	0.559
2394.	1.343	1.42E+4	0.558
2395.	1.334	1.42E+4	0.564
2396.	1.346	1.42E+4	0.568
2397.	1.337	1.42E+4	0.559
2398.	1.335	1.42E+4	0.567
2399.	1.341	1.42E+4	0.561
2400.	1.337	1.42E+4	0.561
2401.	1.334	1.421E+4	0.561
2402.	1.345	1.421E+4	0.546
2403.	1.339	1.421E+4	0.552
2404.	1.348	1.421E+4	0.561
2405.	1.342	1.421E+4	0.558
2406.	1.344	1.421E+4	0.562
2407.	1.341	1.421E+4	0.565
2408.	1.343	1.421E+4	0.561
2409.	1.337	1.421E+4	0.573
2410.	1.341	1.421E+4	0.558
2411.	1.339	1.422E+4	0.559
2412.	1.332	1.422E+4	0.558
2413.	1.354	1.422E+4	0.561
2414.	1.337	1.422E+4	0.558
2415.	1.339	1.422E+4	0.566
2416.	1.344	1.422E+4	0.555
2417.	1.334	1.422E+4	0.566
2418.	1.335	1.422E+4	0.563
2419.	1.347	1.422E+4	0.562
2420.	1.334	1.422E+4	0.561
2421.	1.344	1.423E+4	0.559
2422.	1.341	1.423E+4	0.559
2423.	1.344	1.423E+4	0.55
2424.	1.342	1.423E+4	0.559
2425.	1.335	1.423E+4	0.561
2426.	1.337	1.423E+4	0.559
2427.	1.335	1.423E+4	0.568
2428.	1.343	1.423E+4	0.561
2429.	1.339	1.423E+4	0.567
2430.	1.341	1.423E+4	0.558
2431.	1.339	1.424E+4	0.561
2432.	1.328	1.424E+4	0.552
2433.	1.33	1.424E+4	0.553
2434.	1.339	1.424E+4	0.553
2435.	1.332	1.424E+4	0.561
2436.	1.339	1.424E+4	0.554
2437.	1.335	1.424E+4	0.558
2438.	1.337	1.424E+4	0.556
2439.	1.332	1.424E+4	0.562
2440.	1.332	1.424E+4	0.558

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2441.	1.328	1.425E+4	0.561
2442.	1.331	1.425E+4	0.559
2443.	1.337	1.425E+4	0.552
2444.	1.341	1.425E+4	0.559
2445.	1.341	1.425E+4	0.556
2446.	1.339	1.425E+4	0.552
2447.	1.338	1.425E+4	0.554
2448.	1.337	1.425E+4	0.561
2449.	1.341	1.425E+4	0.559
2450.	1.329	1.425E+4	0.561
2451.	1.345	1.426E+4	0.559
2452.	1.332	1.426E+4	0.558
2453.	1.336	1.426E+4	0.561
2454.	1.344	1.426E+4	0.55
2455.	1.344	1.426E+4	0.545
2456.	1.343	1.426E+4	0.559
2457.	1.341	1.426E+4	0.547
2458.	1.331	1.426E+4	0.55
2459.	1.339	1.426E+4	0.55
2460.	1.337	1.426E+4	0.561
2461.	1.337	1.427E+4	0.558
2462.	1.339	1.427E+4	0.559
2463.	1.335	1.427E+4	0.553
2464.	1.331	1.427E+4	0.547
2465.	1.33	1.427E+4	0.556
2466.	1.335	1.427E+4	0.554
2467.	1.331	1.427E+4	0.552
2468.	1.332	1.427E+4	0.562
2469.	1.348	1.427E+4	0.556
2470.	1.339	1.427E+4	0.559
2471.	1.341	1.428E+4	0.565
2472.	1.339	1.428E+4	0.563
2473.	1.339	1.428E+4	0.54
2474.	1.334	1.428E+4	0.556
2475.	1.337	1.428E+4	0.556
2476.	1.341	1.428E+4	0.556
2477.	1.336	1.428E+4	0.559
2478.	1.334	1.428E+4	0.559
2479.	1.337	1.428E+4	0.567
2480.	1.334	1.428E+4	0.559
2481.	1.332	1.429E+4	0.561
2482.	1.339	1.429E+4	0.565
2483.	1.334	1.429E+4	0.555
2484.	1.337	1.429E+4	0.561
2485.	1.329	1.429E+4	0.563
2486.	1.341	1.429E+4	0.561
2487.	1.336	1.429E+4	0.561
2488.	1.341	1.429E+4	0.559
2489.	1.332	1.429E+4	0.563
2490.	1.334	1.429E+4	0.554
2491.	1.335	1.43E+4	0.554
2492.	1.334	1.43E+4	0.558
2493.	1.339	1.43E+4	0.552
2494.	1.328	1.43E+4	0.562
2495.	1.33	1.43E+4	0.558

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2496.	1.334	1.43E+4	0.556
2497.	1.343	1.43E+4	0.565
2498.	1.339	1.43E+4	0.564
2499.	1.339	1.43E+4	0.561
2500.	1.33	1.43E+4	0.557
2501.	1.332	1.431E+4	0.55
2502.	1.337	1.431E+4	0.558
2503.	1.337	1.431E+4	0.559
2504.	1.334	1.431E+4	0.561
2505.	1.335	1.431E+4	0.561
2506.	1.332	1.431E+4	0.558
2507.	1.335	1.431E+4	0.561
2508.	1.33	1.431E+4	0.556
2509.	1.34	1.431E+4	0.563
2510.	1.334	1.431E+4	0.557
2511.	1.334	1.432E+4	0.559
2512.	1.335	1.432E+4	0.554
2513.	1.332	1.432E+4	0.555
2514.	1.331	1.432E+4	0.539
2515.	1.332	1.432E+4	0.557
2516.	1.326	1.432E+4	0.559
2517.	1.324	1.432E+4	0.539
2518.	1.33	1.432E+4	0.553
2519.	1.334	1.432E+4	0.558
2520.	1.326	1.432E+4	0.552
2521.	1.339	1.433E+4	0.557
2522.	1.326	1.433E+4	0.556
2523.	1.323	1.433E+4	0.556
2524.	1.33	1.433E+4	0.553
2525.	1.332	1.433E+4	0.558
2526.	1.328	1.433E+4	0.549
2527.	1.33	1.433E+4	0.555
2528.	1.328	1.433E+4	0.559
2529.	1.33	1.433E+4	0.558
2530.	1.323	1.433E+4	0.561
2531.	1.332	1.434E+4	0.561
2532.	1.345	1.434E+4	0.558
2533.	1.33	1.434E+4	0.559
2534.	1.334	1.434E+4	0.561
2535.	1.324	1.434E+4	0.552
2536.	1.326	1.434E+4	0.553
2537.	1.327	1.434E+4	0.563
2538.	1.332	1.434E+4	0.562
2539.	1.326	1.434E+4	0.552
2540.	1.327	1.434E+4	0.554
2541.	1.335	1.435E+4	0.563
2542.	1.326	1.435E+4	0.553
2543.	1.317	1.435E+4	0.555
2544.	1.323	1.435E+4	0.55
2545.	1.327	1.435E+4	0.549
2546.	1.324	1.435E+4	0.559
2547.	1.33	1.435E+4	0.55
2548.	1.322	1.435E+4	0.553
2549.	1.33	1.435E+4	0.549
2550.	1.33	1.435E+4	0.559

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2551.	1.324	1.436E+4	0.556
2552.	1.331	1.436E+4	0.554
2553.	1.326	1.436E+4	0.554
2554.	1.328	1.436E+4	0.561
2555.	1.326	1.436E+4	0.55
2556.	1.315	1.436E+4	0.556
2557.	1.323	1.436E+4	0.559
2558.	1.326	1.436E+4	0.559
2559.	1.336	1.436E+4	0.554
2560.	1.326	1.436E+4	0.565
2561.	1.328	1.437E+4	0.554
2562.	1.334	1.437E+4	0.558
2563.	1.319	1.437E+4	0.553
2564.	1.324	1.437E+4	0.555
2565.	1.321	1.437E+4	0.554
2566.	1.328	1.437E+4	0.558
2567.	1.33	1.437E+4	0.559
2568.	1.332	1.437E+4	0.562
2569.	1.322	1.437E+4	0.559
2570.	1.324	1.437E+4	0.559
2571.	1.334	1.438E+4	0.558
2572.	1.326	1.438E+4	0.553
2573.	1.319	1.438E+4	0.555
2574.	1.314	1.438E+4	0.556
2575.	1.331	1.438E+4	0.552
2576.	1.332	1.438E+4	0.554
2577.	1.324	1.438E+4	0.559
2578.	1.317	1.438E+4	0.549
2579.	1.327	1.438E+4	0.555
2580.	1.327	1.438E+4	0.55
2581.	1.328	1.439E+4	0.554
2582.	1.328	1.439E+4	0.55
2583.	1.33	1.439E+4	0.554
2584.	1.324	1.439E+4	0.547
2585.	1.327	1.439E+4	0.55
2586.	1.328	1.439E+4	0.548
2587.	1.328	1.439E+4	0.547
2588.	1.33	1.439E+4	0.556
2589.	1.326	1.439E+4	0.559
2590.	1.321	1.439E+4	0.547
2591.	1.321	1.44E+4	0.547
2592.	1.315	1.44E+4	0.554
2593.	1.324	1.44E+4	0.551
2594.	1.33	1.44E+4	0.554
2595.	1.324	1.44E+4	0.549
2596.	1.324	1.44E+4	0.547
2597.	1.326	1.44E+4	0.544
2598.	1.327	1.44E+4	0.555
2599.	1.332	1.44E+4	0.55
2600.	1.328	1.44E+4	0.55
2601.	1.324	1.441E+4	0.554
2602.	1.323	1.441E+4	0.553
2603.	1.329	1.441E+4	0.558
2604.	1.332	1.441E+4	0.556
2605.	1.326	1.441E+4	0.551

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2606.	1.324	1.441E+4	0.549
2607.	1.321	1.441E+4	0.541
2608.	1.331	1.441E+4	0.55
2609.	1.326	1.441E+4	0.558
2610.	1.33	1.441E+4	0.554
2611.	1.319	1.442E+4	0.547
2612.	1.326	1.442E+4	0.552
2613.	1.328	1.442E+4	0.552
2614.	1.324	1.442E+4	0.558
2615.	1.317	1.442E+4	0.558
2616.	1.321	1.442E+4	0.552
2617.	1.319	1.442E+4	0.55
2618.	1.321	1.442E+4	0.554
2619.	1.317	1.442E+4	0.555
2620.	1.326	1.442E+4	0.555
2621.	1.324	1.443E+4	0.55
2622.	1.322	1.443E+4	0.547
2623.	1.323	1.443E+4	0.56
2624.	1.303	1.443E+4	0.55
2625.	1.324	1.443E+4	0.547
2626.	1.319	1.443E+4	0.541
2627.	1.324	1.443E+4	0.55
2628.	1.323	1.443E+4	0.556
2629.	1.319	1.443E+4	0.544
2630.	1.315	1.443E+4	0.556
2631.	1.321	1.444E+4	0.543
2632.	1.319	1.444E+4	0.552
2633.	1.323	1.444E+4	0.552
2634.	1.307	1.444E+4	0.539
2635.	1.321	1.444E+4	0.56
2636.	1.317	1.444E+4	0.55
2637.	1.323	1.444E+4	0.552
2638.	1.316	1.444E+4	0.543
2639.	1.317	1.444E+4	0.55
2640.	1.319	1.444E+4	0.549
2641.	1.328	1.445E+4	0.561
2642.	1.324	1.445E+4	0.547
2643.	1.323	1.445E+4	0.539
2644.	1.321	1.445E+4	0.547
2645.	1.315	1.445E+4	0.547
2646.	1.326	1.445E+4	0.552
2647.	1.321	1.445E+4	0.55
2648.	1.317	1.445E+4	0.547
2649.	1.314	1.445E+4	0.542
2650.	1.311	1.445E+4	0.547
2651.	1.315	1.446E+4	0.545
2652.	1.321	1.446E+4	0.55
2653.	1.316	1.446E+4	0.545
2654.	1.313	1.446E+4	0.551
2655.	1.308	1.446E+4	0.547
2656.	1.321	1.446E+4	0.545
2657.	1.315	1.446E+4	0.549
2658.	1.321	1.446E+4	0.547
2659.	1.318	1.446E+4	0.549
2660.	1.321	1.446E+4	0.554

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2661.	1.323	1.447E+4	0.555
2662.	1.317	1.447E+4	0.548
2663.	1.319	1.447E+4	0.549
2664.	1.315	1.447E+4	0.537
2665.	1.308	1.447E+4	0.549
2666.	1.317	1.447E+4	0.545
2667.	1.319	1.447E+4	0.55
2668.	1.318	1.447E+4	0.541
2669.	1.321	1.447E+4	0.547
2670.	1.317	1.447E+4	0.543
2671.	1.319	1.448E+4	0.55
2672.	1.319	1.448E+4	0.541
2673.	1.317	1.448E+4	0.545
2674.	1.321	1.448E+4	0.541
2675.	1.315	1.448E+4	0.543
2676.	1.323	1.448E+4	0.547
2677.	1.315	1.448E+4	0.549
2678.	1.314	1.448E+4	0.549
2679.	1.323	1.448E+4	0.541
2680.	1.324	1.448E+4	0.542
2681.	1.318	1.449E+4	0.541
2682.	1.315	1.449E+4	0.549
2683.	1.315	1.449E+4	0.568
2684.	1.321	1.449E+4	0.539
2685.	1.317	1.449E+4	0.541
2686.	1.319	1.449E+4	0.538
2687.	1.312	1.449E+4	0.543
2688.	1.317	1.449E+4	0.543
2689.	1.308	1.449E+4	0.545
2690.	1.315	1.449E+4	0.539
2691.	1.309	1.45E+4	0.55
2692.	1.326	1.45E+4	0.541
2693.	1.315	1.45E+4	0.541
2694.	1.323	1.45E+4	0.546
2695.	1.314	1.45E+4	0.536
2696.	1.312	1.45E+4	0.542
2697.	1.314	1.45E+4	0.549
2698.	1.312	1.45E+4	0.549
2699.	1.314	1.45E+4	0.547
2700.	1.308	1.45E+4	0.547
2701.	1.318	1.451E+4	0.534
2702.	1.314	1.451E+4	0.541
2703.	1.31	1.451E+4	0.541
2704.	1.317	1.451E+4	0.543
2705.	1.31	1.451E+4	0.549
2706.	1.317	1.451E+4	0.549
2707.	1.317	1.451E+4	0.547
2708.	1.315	1.451E+4	0.55
2709.	1.306	1.451E+4	0.539
2710.	1.314	1.451E+4	0.547
2711.	1.312	1.452E+4	0.541
2712.	1.314	1.452E+4	0.538
2713.	1.308	1.452E+4	0.541
2714.	1.31	1.452E+4	0.539
2715.	1.314	1.452E+4	0.538

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2716.	1.315	1.452E+4	0.541
2717.	1.312	1.452E+4	0.541
2718.	1.312	1.452E+4	0.522
2719.	1.297	1.452E+4	0.545
2720.	1.31	1.452E+4	0.541
2721.	1.315	1.453E+4	0.538
2722.	1.31	1.453E+4	0.543
2723.	1.312	1.453E+4	0.55
2724.	1.31	1.453E+4	0.541
2725.	1.306	1.453E+4	0.539
2726.	1.304	1.453E+4	0.549
2727.	1.31	1.453E+4	0.543
2728.	1.296	1.453E+4	0.547
2729.	1.315	1.453E+4	0.55
2730.	1.31	1.453E+4	0.547
2731.	1.315	1.454E+4	0.541
2732.	1.306	1.454E+4	0.548
2733.	1.314	1.454E+4	0.543
2734.	1.31	1.454E+4	0.552
2735.	1.308	1.454E+4	0.543
2736.	1.308	1.454E+4	0.552
2737.	1.306	1.454E+4	0.547
2738.	1.31	1.454E+4	0.543
2739.	1.306	1.454E+4	0.545
2740.	1.307	1.454E+4	0.543
2741.	1.308	1.455E+4	0.539
2742.	1.31	1.455E+4	0.545
2743.	1.309	1.455E+4	0.539
2744.	1.312	1.455E+4	0.547
2745.	1.303	1.455E+4	0.549
2746.	1.304	1.455E+4	0.545
2747.	1.315	1.455E+4	0.56
2748.	1.304	1.455E+4	0.538
2749.	1.308	1.455E+4	0.546
2750.	1.308	1.455E+4	0.539
2751.	1.304	1.456E+4	0.545
2752.	1.312	1.456E+4	0.541
2753.	1.31	1.456E+4	0.541
2754.	1.31	1.456E+4	0.543
2755.	1.311	1.456E+4	0.534
2756.	1.306	1.456E+4	0.541
2757.	1.312	1.456E+4	0.547
2758.	1.304	1.456E+4	0.545
2759.	1.304	1.456E+4	0.532
2760.	1.301	1.456E+4	0.546
2761.	1.31	1.457E+4	0.538
2762.	1.304	1.457E+4	0.539
2763.	1.31	1.457E+4	0.536
2764.	1.306	1.457E+4	0.537
2765.	1.31	1.457E+4	0.535
2766.	1.303	1.457E+4	0.539
2767.	1.31	1.457E+4	0.543
2768.	1.304	1.457E+4	0.547
2769.	1.31	1.457E+4	0.552
2770.	1.315	1.457E+4	0.538

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2771.	1.291	1.458E+4	0.543
2772.	1.308	1.458E+4	0.538
2773.	1.303	1.458E+4	0.541
2774.	1.312	1.458E+4	0.536
2775.	1.299	1.458E+4	0.538
2776.	1.31	1.458E+4	0.538
2777.	1.306	1.458E+4	0.539
2778.	1.306	1.458E+4	0.543
2779.	1.306	1.458E+4	0.536
2780.	1.308	1.458E+4	0.536
2781.	1.306	1.459E+4	0.543
2782.	1.31	1.459E+4	0.539
2783.	1.302	1.459E+4	0.547
2784.	1.306	1.459E+4	0.538
2785.	1.306	1.459E+4	0.547
2786.	1.31	1.459E+4	0.539
2787.	1.314	1.459E+4	0.541
2788.	1.308	1.459E+4	0.547
2789.	1.308	1.459E+4	0.543
2790.	1.312	1.459E+4	0.534
2791.	1.303	1.46E+4	0.539
2792.	1.312	1.46E+4	0.539
2793.	1.308	1.46E+4	0.541
2794.	1.301	1.46E+4	0.539
2795.	1.31	1.46E+4	0.536
2796.	1.307	1.46E+4	0.538
2797.	1.306	1.46E+4	0.541
2798.	1.298	1.46E+4	0.534
2799.	1.303	1.46E+4	0.545
2800.	1.299	1.46E+4	0.545
2801.	1.31	1.461E+4	0.545
2802.	1.306	1.461E+4	0.539
2803.	1.308	1.461E+4	0.537
2804.	1.303	1.461E+4	0.545
2805.	1.303	1.461E+4	0.551
2806.	1.307	1.461E+4	0.536
2807.	1.307	1.461E+4	0.547
2808.	1.306	1.461E+4	0.539
2809.	1.31	1.461E+4	0.539
2810.	1.319	1.461E+4	0.545
2811.	1.299	1.462E+4	0.534
2812.	1.306	1.462E+4	0.539
2813.	1.304	1.462E+4	0.543
2814.	1.301	1.462E+4	0.539
2815.	1.306	1.462E+4	0.539
2816.	1.299	1.462E+4	0.541
2817.	1.301	1.462E+4	0.533
2818.	1.3	1.462E+4	0.539
2819.	1.308	1.462E+4	0.538
2820.	1.31	1.462E+4	0.538
2821.	1.303	1.463E+4	0.541
2822.	1.303	1.463E+4	0.538
2823.	1.304	1.463E+4	0.536
2824.	1.303	1.463E+4	0.553
2825.	1.308	1.463E+4	0.532

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2826.	1.304	1.463E+4	0.538
2827.	1.304	1.463E+4	0.539
2828.	1.299	1.463E+4	0.534
2829.	1.31	1.463E+4	0.545
2830.	1.299	1.463E+4	0.541
2831.	1.297	1.464E+4	0.536
2832.	1.295	1.464E+4	0.539
2833.	1.303	1.464E+4	0.547
2834.	1.301	1.464E+4	0.543
2835.	1.295	1.464E+4	0.543
2836.	1.303	1.464E+4	0.534
2837.	1.304	1.464E+4	0.538
2838.	1.306	1.464E+4	0.545
2839.	1.304	1.464E+4	0.541
2840.	1.299	1.464E+4	0.538
2841.	1.298	1.465E+4	0.539
2842.	1.303	1.465E+4	0.538
2843.	1.303	1.465E+4	0.536
2844.	1.295	1.465E+4	0.536
2845.	1.293	1.465E+4	0.539
2846.	1.301	1.465E+4	0.538
2847.	1.298	1.465E+4	0.545
2848.	1.306	1.465E+4	0.539
2849.	1.297	1.465E+4	0.534
2850.	1.301	1.465E+4	0.536
2851.	1.306	1.466E+4	0.533
2852.	1.301	1.466E+4	0.523
2853.	1.307	1.466E+4	0.543
2854.	1.294	1.466E+4	0.541
2855.	1.297	1.466E+4	0.542
2856.	1.303	1.466E+4	0.544
2857.	1.303	1.466E+4	0.534
2858.	1.303	1.466E+4	0.537
2859.	1.306	1.466E+4	0.543
2860.	1.303	1.466E+4	0.545
2861.	1.304	1.467E+4	0.538
2862.	1.308	1.467E+4	0.541
2863.	1.299	1.467E+4	0.539
2864.	1.297	1.467E+4	0.536
2865.	1.297	1.467E+4	0.534
2866.	1.297	1.467E+4	0.539
2867.	1.303	1.467E+4	0.538
2868.	1.303	1.467E+4	0.534
2869.	1.303	1.467E+4	0.534
2870.	1.295	1.467E+4	0.543
2871.	1.304	1.468E+4	0.537
2872.	1.301	1.468E+4	0.534
2873.	1.308	1.468E+4	0.539
2874.	1.301	1.468E+4	0.539
2875.	1.294	1.468E+4	0.539
2876.	1.294	1.468E+4	0.534
2877.	1.301	1.468E+4	0.537
2878.	1.291	1.468E+4	0.534
2879.	1.303	1.468E+4	0.536
2880.	1.297	1.468E+4	0.536

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2881.	1.301	1.469E+4	0.526
2882.	1.297	1.469E+4	0.534
2883.	1.295	1.469E+4	0.539
2884.	1.294	1.469E+4	0.534
2885.	1.301	1.469E+4	0.536
2886.	1.303	1.469E+4	0.541
2887.	1.3	1.469E+4	0.538
2888.	1.303	1.469E+4	0.533
2889.	1.296	1.469E+4	0.543
2890.	1.299	1.469E+4	0.539
2891.	1.3	1.47E+4	0.541
2892.	1.303	1.47E+4	0.538
2893.	1.303	1.47E+4	0.538
2894.	1.292	1.47E+4	0.527
2895.	1.304	1.47E+4	0.534
2896.	1.299	1.47E+4	0.547
2897.	1.301	1.47E+4	0.53
2898.	1.292	1.47E+4	0.538
2899.	1.299	1.47E+4	0.541
2900.	1.297	1.47E+4	0.536
2901.	1.297	1.471E+4	0.53
2902.	1.301	1.471E+4	0.534
2903.	1.296	1.471E+4	0.53
2904.	1.299	1.471E+4	0.538
2905.	1.294	1.471E+4	0.529
2906.	1.297	1.471E+4	0.534
2907.	1.299	1.471E+4	0.532
2908.	1.304	1.471E+4	0.529
2909.	1.294	1.471E+4	0.536
2910.	1.295	1.471E+4	0.53
2911.	1.291	1.472E+4	0.534
2912.	1.299	1.472E+4	0.538
2913.	1.297	1.472E+4	0.538
2914.	1.303	1.472E+4	0.536
2915.	1.299	1.472E+4	0.534
2916.	1.303	1.472E+4	0.538
2917.	1.298	1.472E+4	0.527
2918.	1.299	1.472E+4	0.532
2919.	1.293	1.472E+4	0.534
2920.	1.296	1.472E+4	0.542
2921.	1.294	1.473E+4	0.532
2922.	1.303	1.473E+4	0.538
2923.	1.295	1.473E+4	0.534
2924.	1.297	1.473E+4	0.527
2925.	1.295	1.473E+4	0.539
2926.	1.303	1.473E+4	0.534
2927.	1.299	1.473E+4	0.53
2928.	1.295	1.473E+4	0.534
2929.	1.294	1.473E+4	0.539
2930.	1.294	1.473E+4	0.532
2931.	1.294	1.474E+4	0.53
2932.	1.292	1.474E+4	0.536
2933.	1.291	1.474E+4	0.538
2934.	1.298	1.474E+4	0.536
2935.	1.297	1.474E+4	0.536

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2936.	1.297	1.474E+4	0.529
2937.	1.302	1.474E+4	0.529
2938.	1.295	1.474E+4	0.539
2939.	1.299	1.474E+4	0.534
2940.	1.294	1.474E+4	0.532
2941.	1.303	1.475E+4	0.534
2942.	1.304	1.475E+4	0.536
2943.	1.295	1.475E+4	0.529
2944.	1.294	1.475E+4	0.532
2945.	1.303	1.475E+4	0.536
2946.	1.286	1.475E+4	0.53
2947.	1.292	1.475E+4	0.53
2948.	1.286	1.475E+4	0.525
2949.	1.292	1.475E+4	0.534
2950.	1.285	1.475E+4	0.534
2951.	1.293	1.476E+4	0.529
2952.	1.297	1.476E+4	0.534
2953.	1.29	1.476E+4	0.525
2954.	1.289	1.476E+4	0.53
2955.	1.299	1.476E+4	0.53
2956.	1.292	1.476E+4	0.534
2957.	1.29	1.476E+4	0.532
2958.	1.29	1.476E+4	0.532
2959.	1.301	1.476E+4	0.534
2960.	1.294	1.476E+4	0.532
2961.	1.297	1.477E+4	0.541
2962.	1.285	1.477E+4	0.536
2963.	1.292	1.477E+4	0.541
2964.	1.297	1.477E+4	0.534
2965.	1.295	1.477E+4	0.529
2966.	1.304	1.477E+4	0.539
2967.	1.295	1.477E+4	0.532
2968.	1.302	1.477E+4	0.534
2969.	1.299	1.477E+4	0.536
2970.	1.294	1.477E+4	0.536
2971.	1.29	1.478E+4	0.534
2972.	1.289	1.478E+4	0.532
2973.	1.308	1.478E+4	0.541
2974.	1.288	1.478E+4	0.534
2975.	1.294	1.478E+4	0.534
2976.	1.285	1.478E+4	0.534
2977.	1.286	1.478E+4	0.53
2978.	1.29	1.478E+4	0.527
2979.	1.283	1.478E+4	0.532
2980.	1.275	1.478E+4	0.532
2981.	1.292	1.479E+4	0.536
2982.	1.294	1.479E+4	0.536
2983.	1.294	1.479E+4	0.539
2984.	1.292	1.479E+4	0.536
2985.	1.292	1.479E+4	0.539
2986.	1.288	1.479E+4	0.539
2987.	1.29	1.479E+4	0.529
2988.	1.288	1.479E+4	0.532
2989.	1.286	1.479E+4	0.536
2990.	1.294	1.479E+4	0.536

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
2991.	1.295	1.48E+4	0.532
2992.	1.292	1.48E+4	0.534
2993.	1.288	1.48E+4	0.533
2994.	1.298	1.48E+4	0.532
2995.	1.294	1.48E+4	0.527
2996.	1.29	1.48E+4	0.529
2997.	1.292	1.48E+4	0.532
2998.	1.294	1.48E+4	0.529
2999.	1.289	1.48E+4	0.536
3000.	1.301	1.48E+4	0.537
3001.	1.287	1.481E+4	0.525
3002.	1.288	1.481E+4	0.532
3003.	1.29	1.481E+4	0.532
3004.	1.292	1.481E+4	0.538
3005.	1.292	1.481E+4	0.53
3006.	1.292	1.481E+4	0.532
3007.	1.301	1.481E+4	0.538
3008.	1.297	1.481E+4	0.532
3009.	1.286	1.481E+4	0.523
3010.	1.29	1.481E+4	0.527
3011.	1.288	1.482E+4	0.521
3012.	1.286	1.482E+4	0.525
3013.	1.292	1.482E+4	0.527
3014.	1.287	1.482E+4	0.53
3015.	1.291	1.482E+4	0.536
3016.	1.287	1.482E+4	0.527
3017.	1.286	1.482E+4	0.532
3018.	1.283	1.482E+4	0.534
3019.	1.286	1.482E+4	0.53
3020.	1.29	1.482E+4	0.534
3021.	1.285	1.483E+4	0.53
3022.	1.285	1.483E+4	0.53
3023.	1.285	1.483E+4	0.525
3024.	1.287	1.483E+4	0.527
3025.	1.288	1.483E+4	0.533
3026.	1.286	1.483E+4	0.534
3027.	1.295	1.483E+4	0.529
3028.	1.288	1.483E+4	0.532
3029.	1.287	1.483E+4	0.532
3030.	1.282	1.483E+4	0.53
3031.	1.288	1.484E+4	0.536
3032.	1.294	1.484E+4	0.536
3033.	1.283	1.484E+4	0.536
3034.	1.292	1.484E+4	0.534
3035.	1.29	1.484E+4	0.529
3036.	1.286	1.484E+4	0.53
3037.	1.294	1.484E+4	0.534
3038.	1.288	1.484E+4	0.527
3039.	1.288	1.484E+4	0.521
3040.	1.286	1.484E+4	0.519
3041.	1.294	1.485E+4	0.529
3042.	1.288	1.485E+4	0.53
3043.	1.286	1.485E+4	0.529
3044.	1.285	1.485E+4	0.527
3045.	1.288	1.485E+4	0.521

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3046.	1.286	1.485E+4	0.53
3047.	1.292	1.485E+4	0.529
3048.	1.29	1.485E+4	0.53
3049.	1.285	1.485E+4	0.53
3050.	1.288	1.485E+4	0.523
3051.	1.286	1.486E+4	0.536
3052.	1.288	1.486E+4	0.536
3053.	1.294	1.486E+4	0.529
3054.	1.292	1.486E+4	0.527
3055.	1.29	1.486E+4	0.527
3056.	1.281	1.486E+4	0.53
3057.	1.285	1.486E+4	0.534
3058.	1.279	1.486E+4	0.529
3059.	1.281	1.486E+4	0.521
3060.	1.279	1.486E+4	0.516
3061.	1.285	1.487E+4	0.525
3062.	1.289	1.487E+4	0.529
3063.	1.283	1.487E+4	0.534
3064.	1.281	1.487E+4	0.519
3065.	1.283	1.487E+4	0.527
3066.	1.281	1.487E+4	0.529
3067.	1.281	1.487E+4	0.523
3068.	1.286	1.487E+4	0.53
3069.	1.273	1.487E+4	0.53
3070.	1.286	1.487E+4	0.525
3071.	1.285	1.488E+4	0.525
3072.	1.281	1.488E+4	0.529
3073.	1.286	1.488E+4	0.532
3074.	1.283	1.488E+4	0.523
3075.	1.285	1.488E+4	0.527
3076.	1.277	1.488E+4	0.51
3077.	1.285	1.488E+4	0.529
3078.	1.279	1.488E+4	0.534
3079.	1.288	1.488E+4	0.529
3080.	1.276	1.488E+4	0.518
3081.	1.285	1.489E+4	0.523
3082.	1.285	1.489E+4	0.523
3083.	1.283	1.489E+4	0.534
3084.	1.283	1.489E+4	0.53
3085.	1.286	1.489E+4	0.525
3086.	1.285	1.489E+4	0.521
3087.	1.28	1.489E+4	0.521
3088.	1.272	1.489E+4	0.523
3089.	1.286	1.489E+4	0.527
3090.	1.285	1.489E+4	0.529
3091.	1.282	1.49E+4	0.529
3092.	1.291	1.49E+4	0.532
3093.	1.281	1.49E+4	0.511
3094.	1.286	1.49E+4	0.525
3095.	1.283	1.49E+4	0.534
3096.	1.282	1.49E+4	0.525
3097.	1.277	1.49E+4	0.525
3098.	1.286	1.49E+4	0.529
3099.	1.288	1.49E+4	0.525
3100.	1.288	1.49E+4	0.527

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3101.	1.285	1.491E+4	0.525
3102.	1.278	1.491E+4	0.525
3103.	1.277	1.491E+4	0.529
3104.	1.281	1.491E+4	0.529
3105.	1.286	1.491E+4	0.523
3106.	1.285	1.491E+4	0.523
3107.	1.285	1.491E+4	0.538
3108.	1.274	1.491E+4	0.532
3109.	1.285	1.491E+4	0.523
3110.	1.285	1.491E+4	0.539
3111.	1.285	1.492E+4	0.529
3112.	1.277	1.492E+4	0.536
3113.	1.283	1.492E+4	0.529
3114.	1.273	1.492E+4	0.516
3115.	1.281	1.492E+4	0.532
3116.	1.283	1.492E+4	0.519
3117.	1.283	1.492E+4	0.521
3118.	1.287	1.492E+4	0.523
3119.	1.28	1.492E+4	0.527
3120.	1.277	1.492E+4	0.527
3121.	1.285	1.493E+4	0.529
3122.	1.286	1.493E+4	0.527
3123.	1.279	1.493E+4	0.525
3124.	1.282	1.493E+4	0.529
3125.	1.278	1.493E+4	0.527
3126.	1.283	1.493E+4	0.527
3127.	1.285	1.493E+4	0.527
3128.	1.28	1.493E+4	0.527
3129.	1.278	1.493E+4	0.513
3130.	1.279	1.493E+4	0.518
3131.	1.27	1.494E+4	0.527
3132.	1.277	1.494E+4	0.523
3133.	1.277	1.494E+4	0.523
3134.	1.278	1.494E+4	0.51
3135.	1.277	1.494E+4	0.518
3136.	1.277	1.494E+4	0.523
3137.	1.274	1.494E+4	0.523
3138.	1.285	1.494E+4	0.521
3139.	1.283	1.494E+4	0.516
3140.	1.283	1.494E+4	0.525
3141.	1.275	1.495E+4	0.521
3142.	1.279	1.495E+4	0.53
3143.	1.285	1.495E+4	0.518
3144.	1.281	1.495E+4	0.527
3145.	1.276	1.495E+4	0.521
3146.	1.283	1.495E+4	0.521
3147.	1.274	1.495E+4	0.519
3148.	1.277	1.495E+4	0.519
3149.	1.274	1.495E+4	0.525
3150.	1.277	1.495E+4	0.514
3151.	1.272	1.496E+4	0.521
3152.	1.275	1.496E+4	0.529
3153.	1.28	1.496E+4	0.525
3154.	1.276	1.496E+4	0.525
3155.	1.275	1.496E+4	0.525

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3156.	1.279	1.496E+4	0.514
3157.	1.29	1.496E+4	0.519
3158.	1.266	1.496E+4	0.525
3159.	1.279	1.496E+4	0.521
3160.	1.285	1.496E+4	0.519
3161.	1.274	1.497E+4	0.523
3162.	1.281	1.497E+4	0.521
3163.	1.277	1.497E+4	0.519
3164.	1.272	1.497E+4	0.525
3165.	1.274	1.497E+4	0.525
3166.	1.281	1.497E+4	0.514
3167.	1.275	1.497E+4	0.523
3168.	1.272	1.497E+4	0.519
3169.	1.281	1.497E+4	0.525
3170.	1.275	1.497E+4	0.523
3171.	1.281	1.498E+4	0.518
3172.	1.274	1.498E+4	0.504
3173.	1.274	1.498E+4	0.527
3174.	1.271	1.498E+4	0.521
3175.	1.274	1.498E+4	0.516
3176.	1.275	1.498E+4	0.519
3177.	1.278	1.498E+4	0.523
3178.	1.271	1.498E+4	0.53
3179.	1.275	1.498E+4	0.518
3180.	1.274	1.498E+4	0.519
3181.	1.282	1.499E+4	0.523
3182.	1.279	1.499E+4	0.51
3183.	1.277	1.499E+4	0.522
3184.	1.277	1.499E+4	0.518
3185.	1.268	1.499E+4	0.529
3186.	1.267	1.499E+4	0.521
3187.	1.272	1.499E+4	0.519
3188.	1.27	1.499E+4	0.518
3189.	1.274	1.499E+4	0.518
3190.	1.272	1.499E+4	0.523
3191.	1.278	1.5E+4	0.519
3192.	1.274	1.5E+4	0.516
3193.	1.271	1.5E+4	0.527
3194.	1.274	1.5E+4	0.519
3195.	1.279	1.5E+4	0.523
3196.	1.268	1.5E+4	0.521
3197.	1.274	1.5E+4	0.523
3198.	1.274	1.5E+4	0.518
3199.	1.267	1.5E+4	0.519
3200.	1.274	1.5E+4	0.516
3201.	1.275	1.501E+4	0.519
3202.	1.283	1.501E+4	0.519
3203.	1.27	1.501E+4	0.518
3204.	1.275	1.501E+4	0.527
3205.	1.274	1.501E+4	0.521
3206.	1.275	1.501E+4	0.516
3207.	1.274	1.501E+4	0.514
3208.	1.283	1.501E+4	0.522
3209.	1.278	1.501E+4	0.521
3210.	1.275	1.501E+4	0.526

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3211.	1.268	1.502E+4	0.514
3212.	1.274	1.502E+4	0.517
3213.	1.275	1.502E+4	0.516
3214.	1.274	1.502E+4	0.527
3215.	1.277	1.502E+4	0.518
3216.	1.272	1.502E+4	0.519
3217.	1.275	1.502E+4	0.518
3218.	1.265	1.502E+4	0.521
3219.	1.273	1.502E+4	0.525
3220.	1.274	1.502E+4	0.519
3221.	1.274	1.503E+4	0.519
3222.	1.272	1.503E+4	0.518
3223.	1.265	1.503E+4	0.521
3224.	1.277	1.503E+4	0.518
3225.	1.281	1.503E+4	0.519
3226.	1.27	1.503E+4	0.518
3227.	1.272	1.503E+4	0.516
3228.	1.27	1.503E+4	0.518
3229.	1.27	1.503E+4	0.51
3230.	1.268	1.503E+4	0.515
3231.	1.272	1.504E+4	0.514
3232.	1.266	1.504E+4	0.518
3233.	1.262	1.504E+4	0.507
3234.	1.268	1.504E+4	0.516
3235.	1.272	1.504E+4	0.519
3236.	1.275	1.504E+4	0.516
3237.	1.272	1.504E+4	0.516
3238.	1.272	1.504E+4	0.525
3239.	1.279	1.504E+4	0.512
3240.	1.274	1.504E+4	0.516
3241.	1.277	1.505E+4	0.521
3242.	1.269	1.505E+4	0.518
3243.	1.263	1.505E+4	0.511
3244.	1.263	1.505E+4	0.514
3245.	1.266	1.505E+4	0.514
3246.	1.269	1.505E+4	0.514
3247.	1.268	1.505E+4	0.521
3248.	1.273	1.505E+4	0.519
3249.	1.268	1.505E+4	0.521
3250.	1.268	1.505E+4	0.519
3251.	1.27	1.506E+4	0.521
3252.	1.27	1.506E+4	0.501
3253.	1.271	1.506E+4	0.516
3254.	1.265	1.506E+4	0.514
3255.	1.27	1.506E+4	0.516
3256.	1.266	1.506E+4	0.512
3257.	1.265	1.506E+4	0.518
3258.	1.268	1.506E+4	0.51
3259.	1.266	1.506E+4	0.512
3260.	1.266	1.506E+4	0.509
3261.	1.27	1.507E+4	0.514
3262.	1.27	1.507E+4	0.516
3263.	1.272	1.507E+4	0.507
3264.	1.27	1.507E+4	0.519
3265.	1.268	1.507E+4	0.51

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3266.	1.269	1.507E+4	0.516
3267.	1.261	1.507E+4	0.51
3268.	1.265	1.507E+4	0.521
3269.	1.274	1.507E+4	0.516
3270.	1.263	1.507E+4	0.513
3271.	1.266	1.508E+4	0.512
3272.	1.265	1.508E+4	0.514
3273.	1.272	1.508E+4	0.503
3274.	1.268	1.508E+4	0.516
3275.	1.274	1.508E+4	0.518
3276.	1.27	1.508E+4	0.518
3277.	1.272	1.508E+4	0.516
3278.	1.266	1.508E+4	0.516
3279.	1.268	1.508E+4	0.51
3280.	1.268	1.508E+4	0.509
3281.	1.265	1.509E+4	0.516
3282.	1.274	1.509E+4	0.509
3283.	1.274	1.509E+4	0.521
3284.	1.27	1.509E+4	0.51
3285.	1.275	1.509E+4	0.507
3286.	1.27	1.509E+4	0.518
3287.	1.27	1.509E+4	0.514
3288.	1.265	1.509E+4	0.501
3289.	1.266	1.509E+4	0.519
3290.	1.268	1.509E+4	0.51
3291.	1.272	1.51E+4	0.516
3292.	1.269	1.51E+4	0.51
3293.	1.265	1.51E+4	0.518
3294.	1.275	1.51E+4	0.512
3295.	1.276	1.51E+4	0.512
3296.	1.263	1.51E+4	0.516
3297.	1.266	1.51E+4	0.514
3298.	1.271	1.51E+4	0.51
3299.	1.268	1.51E+4	0.518
3300.	1.262	1.51E+4	0.505
3301.	1.265	1.511E+4	0.507
3302.	1.268	1.511E+4	0.516
3303.	1.268	1.511E+4	0.516
3304.	1.265	1.511E+4	0.508
3305.	1.272	1.511E+4	0.518
3306.	1.263	1.511E+4	0.514
3307.	1.265	1.511E+4	0.516
3308.	1.257	1.511E+4	0.514
3309.	1.253	1.511E+4	0.514
3310.	1.266	1.511E+4	0.521
3311.	1.263	1.512E+4	0.51
3312.	1.263	1.512E+4	0.505
3313.	1.268	1.512E+4	0.514
3314.	1.268	1.512E+4	0.515
3315.	1.265	1.512E+4	0.523
3316.	1.27	1.512E+4	0.51
3317.	1.274	1.512E+4	0.51
3318.	1.265	1.512E+4	0.512
3319.	1.268	1.512E+4	0.518
3320.	1.266	1.512E+4	0.516

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3321.	1.263	1.513E+4	0.505
3322.	1.268	1.513E+4	0.516
3323.	1.261	1.513E+4	0.509
3324.	1.266	1.513E+4	0.51
3325.	1.271	1.513E+4	0.516
3326.	1.265	1.513E+4	0.514
3327.	1.265	1.513E+4	0.518
3328.	1.266	1.513E+4	0.522
3329.	1.263	1.513E+4	0.514
3330.	1.266	1.513E+4	0.509
3331.	1.261	1.514E+4	0.509
3332.	1.267	1.514E+4	0.509
3333.	1.263	1.514E+4	0.519
3334.	1.275	1.514E+4	0.51
3335.	1.263	1.514E+4	0.512
3336.	1.267	1.514E+4	0.507
3337.	1.261	1.514E+4	0.513
3338.	1.258	1.514E+4	0.512
3339.	1.258	1.514E+4	0.514
3340.	1.26	1.514E+4	0.507
3341.	1.265	1.515E+4	0.505
3342.	1.263	1.515E+4	0.51
3343.	1.27	1.515E+4	0.518
3344.	1.266	1.515E+4	0.512
3345.	1.254	1.515E+4	0.503
3346.	1.261	1.515E+4	0.513
3347.	1.265	1.515E+4	0.509
3348.	1.259	1.515E+4	0.509
3349.	1.266	1.515E+4	0.516
3350.	1.263	1.515E+4	0.509
3351.	1.26	1.516E+4	0.512
3352.	1.265	1.516E+4	0.507
3353.	1.266	1.516E+4	0.505
3354.	1.254	1.516E+4	0.509
3355.	1.26	1.516E+4	0.512
3356.	1.263	1.516E+4	0.512
3357.	1.254	1.516E+4	0.505
3358.	1.26	1.516E+4	0.509
3359.	1.263	1.516E+4	0.51
3360.	1.261	1.516E+4	0.509
3361.	1.265	1.517E+4	0.507
3362.	1.263	1.517E+4	0.503
3363.	1.258	1.517E+4	0.512
3364.	1.256	1.517E+4	0.514
3365.	1.262	1.517E+4	0.512
3366.	1.262	1.517E+4	0.506
3367.	1.265	1.517E+4	0.505
3368.	1.262	1.517E+4	0.512
3369.	1.263	1.517E+4	0.505
3370.	1.263	1.517E+4	0.51
3371.	1.265	1.518E+4	0.509
3372.	1.265	1.518E+4	0.512
3373.	1.256	1.518E+4	0.526
3374.	1.263	1.518E+4	0.51
3375.	1.269	1.518E+4	0.507

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3376.	1.263	1.518E+4	0.51
3377.	1.258	1.518E+4	0.518
3378.	1.259	1.518E+4	0.517
3379.	1.263	1.518E+4	0.512
3380.	1.262	1.518E+4	0.51
3381.	1.254	1.519E+4	0.51
3382.	1.261	1.519E+4	0.508
3383.	1.266	1.519E+4	0.507
3384.	1.265	1.519E+4	0.514
3385.	1.258	1.519E+4	0.507
3386.	1.259	1.519E+4	0.51
3387.	1.262	1.519E+4	0.507
3388.	1.258	1.519E+4	0.505
3389.	1.266	1.519E+4	0.51
3390.	1.268	1.519E+4	0.509
3391.	1.263	1.52E+4	0.507
3392.	1.265	1.52E+4	0.512
3393.	1.265	1.52E+4	0.507
3394.	1.259	1.52E+4	0.51
3395.	1.265	1.52E+4	0.512
3396.	1.257	1.52E+4	0.512
3397.	1.255	1.52E+4	0.518
3398.	1.26	1.52E+4	0.507
3399.	1.26	1.52E+4	0.518
3400.	1.258	1.52E+4	0.516
3401.	1.262	1.521E+4	0.51
3402.	1.261	1.521E+4	0.512
3403.	1.256	1.521E+4	0.503
3404.	1.253	1.521E+4	0.515
3405.	1.257	1.521E+4	0.507
3406.	1.255	1.521E+4	0.512
3407.	1.261	1.521E+4	0.509
3408.	1.256	1.521E+4	0.51
3409.	1.261	1.521E+4	0.512
3410.	1.263	1.521E+4	0.509
3411.	1.253	1.522E+4	0.507
3412.	1.251	1.522E+4	0.51
3413.	1.257	1.522E+4	0.51
3414.	1.253	1.522E+4	0.512
3415.	1.257	1.522E+4	0.496
3416.	1.255	1.522E+4	0.503
3417.	1.254	1.522E+4	0.512
3418.	1.261	1.522E+4	0.509
3419.	1.254	1.522E+4	0.507
3420.	1.255	1.522E+4	0.505
3421.	1.265	1.523E+4	0.505
3422.	1.261	1.523E+4	0.509
3423.	1.258	1.523E+4	0.509
3424.	1.265	1.523E+4	0.505
3425.	1.258	1.523E+4	0.501
3426.	1.256	1.523E+4	0.508
3427.	1.255	1.523E+4	0.505
3428.	1.255	1.523E+4	0.509
3429.	1.257	1.523E+4	0.51
3430.	1.259	1.523E+4	0.511

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3431.	1.252	1.524E+4	0.51
3432.	1.241	1.524E+4	0.502
3433.	1.254	1.524E+4	0.507
3434.	1.262	1.524E+4	0.503
3435.	1.259	1.524E+4	0.503
3436.	1.252	1.524E+4	0.509
3437.	1.257	1.524E+4	0.509
3438.	1.26	1.524E+4	0.506
3439.	1.252	1.524E+4	0.509
3440.	1.247	1.524E+4	0.503
3441.	1.255	1.525E+4	0.503
3442.	1.251	1.525E+4	0.507
3443.	1.254	1.525E+4	0.507
3444.	1.257	1.525E+4	0.501
3445.	1.261	1.525E+4	0.489
3446.	1.259	1.525E+4	0.507
3447.	1.255	1.525E+4	0.505
3448.	1.251	1.525E+4	0.51
3449.	1.252	1.525E+4	0.504
3450.	1.255	1.525E+4	0.503
3451.	1.254	1.526E+4	0.51
3452.	1.252	1.526E+4	0.507
3453.	1.25	1.526E+4	0.505
3454.	1.254	1.526E+4	0.509
3455.	1.257	1.526E+4	0.499
3456.	1.25	1.526E+4	0.509
3457.	1.259	1.526E+4	0.503
3458.	1.254	1.526E+4	0.503
3459.	1.257	1.526E+4	0.499
3460.	1.259	1.526E+4	0.505
3461.	1.253	1.527E+4	0.501
3462.	1.257	1.527E+4	0.505
3463.	1.261	1.527E+4	0.512
3464.	1.252	1.527E+4	0.499
3465.	1.249	1.527E+4	0.513
3466.	1.254	1.527E+4	0.516
3467.	1.255	1.527E+4	0.503
3468.	1.254	1.527E+4	0.498
3469.	1.256	1.527E+4	0.503
3470.	1.255	1.527E+4	0.507
3471.	1.255	1.528E+4	0.509
3472.	1.254	1.528E+4	0.51
3473.	1.254	1.528E+4	0.501
3474.	1.257	1.528E+4	0.501
3475.	1.249	1.528E+4	0.503
3476.	1.253	1.528E+4	0.492
3477.	1.257	1.528E+4	0.503
3478.	1.257	1.528E+4	0.505
3479.	1.253	1.528E+4	0.494
3480.	1.247	1.528E+4	0.501
3481.	1.25	1.529E+4	0.499
3482.	1.257	1.529E+4	0.504
3483.	1.259	1.529E+4	0.504
3484.	1.25	1.529E+4	0.499
3485.	1.249	1.529E+4	0.507

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3486.	1.261	1.529E+4	0.499
3487.	1.254	1.529E+4	0.505
3488.	1.261	1.529E+4	0.505
3489.	1.254	1.529E+4	0.503
3490.	1.237	1.529E+4	0.505
3491.	1.251	1.53E+4	0.485
3492.	1.254	1.53E+4	0.507
3493.	1.253	1.53E+4	0.507
3494.	1.249	1.53E+4	0.503
3495.	1.252	1.53E+4	0.496
3496.	1.26	1.53E+4	0.501
3497.	1.254	1.53E+4	0.499
3498.	1.255	1.53E+4	0.492
3499.	1.257	1.53E+4	0.472
3500.	1.25	1.53E+4	0.499
3501.	1.263	1.531E+4	0.496
3502.	1.258	1.531E+4	0.503
3503.	1.259	1.531E+4	0.503
3504.	1.255	1.531E+4	0.501
3505.	1.256	1.531E+4	0.502
3506.	1.259	1.531E+4	0.503
3507.	1.252	1.531E+4	0.512
3508.	1.249	1.531E+4	0.501
3509.	1.259	1.531E+4	0.496
3510.	1.252	1.531E+4	0.494
3511.	1.258	1.532E+4	0.494
3512.	1.255	1.532E+4	0.498
3513.	1.251	1.532E+4	0.496
3514.	1.248	1.532E+4	0.496
3515.	1.254	1.532E+4	0.503
3516.	1.265	1.532E+4	0.498
3517.	1.258	1.532E+4	0.493
3518.	1.255	1.532E+4	0.502
3519.	1.247	1.532E+4	0.498
3520.	1.257	1.532E+4	0.501
3521.	1.254	1.533E+4	0.499
3522.	1.246	1.533E+4	0.507
3523.	1.253	1.533E+4	0.494
3524.	1.252	1.533E+4	0.503
3525.	1.245	1.533E+4	0.494
3526.	1.249	1.533E+4	0.492
3527.	1.25	1.533E+4	0.499
3528.	1.246	1.533E+4	0.487
3529.	1.249	1.533E+4	0.499
3530.	1.25	1.533E+4	0.501
3531.	1.247	1.534E+4	0.498
3532.	1.25	1.534E+4	0.498
3533.	1.256	1.534E+4	0.503
3534.	1.245	1.534E+4	0.498
3535.	1.245	1.534E+4	0.499
3536.	1.245	1.534E+4	0.501
3537.	1.244	1.534E+4	0.496
3538.	1.249	1.534E+4	0.502
3539.	1.249	1.534E+4	0.499
3540.	1.245	1.534E+4	0.496

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3541.	1.245	1.535E+4	0.492
3542.	1.245	1.535E+4	0.496
3543.	1.252	1.535E+4	0.492
3544.	1.247	1.535E+4	0.501
3545.	1.25	1.535E+4	0.491
3546.	1.252	1.535E+4	0.507
3547.	1.244	1.535E+4	0.494
3548.	1.245	1.535E+4	0.496
3549.	1.242	1.535E+4	0.492
3550.	1.253	1.535E+4	0.496
3551.	1.247	1.536E+4	0.492
3552.	1.259	1.536E+4	0.503
3553.	1.242	1.536E+4	0.499
3554.	1.252	1.536E+4	0.498
3555.	1.252	1.536E+4	0.499
3556.	1.251	1.536E+4	0.497
3557.	1.246	1.536E+4	0.501
3558.	1.245	1.536E+4	0.496
3559.	1.246	1.536E+4	0.49
3560.	1.244	1.536E+4	0.498
3561.	1.251	1.537E+4	0.496
3562.	1.248	1.537E+4	0.497
3563.	1.248	1.537E+4	0.496
3564.	1.251	1.537E+4	0.498
3565.	1.245	1.537E+4	0.496
3566.	1.249	1.537E+4	0.49
3567.	1.246	1.537E+4	0.496
3568.	1.25	1.537E+4	0.496
3569.	1.242	1.537E+4	0.498
3570.	1.254	1.537E+4	0.498
3571.	1.245	1.538E+4	0.494
3572.	1.245	1.538E+4	0.496
3573.	1.243	1.538E+4	0.499
3574.	1.241	1.538E+4	0.489
3575.	1.247	1.538E+4	0.496
3576.	1.242	1.538E+4	0.496
3577.	1.246	1.538E+4	0.489
3578.	1.25	1.538E+4	0.494
3579.	1.252	1.538E+4	0.489
3580.	1.245	1.538E+4	0.499
3581.	1.25	1.539E+4	0.492
3582.	1.25	1.539E+4	0.492
3583.	1.239	1.539E+4	0.492
3584.	1.246	1.539E+4	0.496
3585.	1.247	1.539E+4	0.49
3586.	1.252	1.539E+4	0.489
3587.	1.248	1.539E+4	0.499
3588.	1.241	1.539E+4	0.494
3589.	1.244	1.539E+4	0.496
3590.	1.248	1.539E+4	0.499
3591.	1.25	1.54E+4	0.502
3592.	1.243	1.54E+4	0.494
3593.	1.243	1.54E+4	0.49
3594.	1.245	1.54E+4	0.492
3595.	1.238	1.54E+4	0.489

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3596.	1.238	1.54E+4	0.496
3597.	1.237	1.54E+4	0.496
3598.	1.218	1.54E+4	0.49
3599.	1.249	1.54E+4	0.492
3600.	1.239	1.54E+4	0.494
3601.	1.245	1.541E+4	0.492
3602.	1.241	1.541E+4	0.492
3603.	1.236	1.541E+4	0.492
3604.	1.236	1.541E+4	0.492
3605.	1.246	1.541E+4	0.466
3606.	1.234	1.541E+4	0.492
3607.	1.232	1.541E+4	0.496
3608.	1.243	1.541E+4	0.499
3609.	1.236	1.541E+4	0.501
3610.	1.231	1.541E+4	0.499
3611.	1.231	1.542E+4	0.501
3612.	1.236	1.542E+4	0.491
3613.	1.239	1.542E+4	0.492
3614.	1.235	1.542E+4	0.494
3615.	1.235	1.542E+4	0.505
3616.	1.234	1.542E+4	0.492
3617.	1.237	1.542E+4	0.503
3618.	1.242	1.542E+4	0.49
3619.	1.241	1.542E+4	0.492
3620.	1.238	1.542E+4	0.496
3621.	1.234	1.543E+4	0.492
3622.	1.234	1.543E+4	0.496
3623.	1.233	1.543E+4	0.498
3624.	1.237	1.543E+4	0.497
3625.	1.231	1.543E+4	0.489
3626.	1.236	1.543E+4	0.496
3627.	1.241	1.543E+4	0.489
3628.	1.242	1.543E+4	0.485
3629.	1.237	1.543E+4	0.488
3630.	1.239	1.543E+4	0.496
3631.	1.237	1.544E+4	0.49
3632.	1.245	1.544E+4	0.489
3633.	1.245	1.544E+4	0.487
3634.	1.234	1.544E+4	0.487
3635.	1.24	1.544E+4	0.492
3636.	1.246	1.544E+4	0.496
3637.	1.234	1.544E+4	0.49
3638.	1.242	1.544E+4	0.49
3639.	1.237	1.544E+4	0.494
3640.	1.237	1.544E+4	0.49
3641.	1.238	1.545E+4	0.483
3642.	1.244	1.545E+4	0.487
3643.	1.243	1.545E+4	0.492
3644.	1.241	1.545E+4	0.485
3645.	1.239	1.545E+4	0.496
3646.	1.241	1.545E+4	0.494
3647.	1.243	1.545E+4	0.489
3648.	1.231	1.545E+4	0.492
3649.	1.245	1.545E+4	0.492
3650.	1.252	1.545E+4	0.485

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3651.	1.239	1.546E+4	0.486
3652.	1.234	1.546E+4	0.501
3653.	1.238	1.546E+4	0.494
3654.	1.233	1.546E+4	0.49
3655.	1.239	1.546E+4	0.489
3656.	1.24	1.546E+4	0.49
3657.	1.237	1.546E+4	0.494
3658.	1.229	1.546E+4	0.489
3659.	1.234	1.546E+4	0.49
3660.	1.227	1.546E+4	0.49
3661.	1.231	1.547E+4	0.485
3662.	1.232	1.547E+4	0.487
3663.	1.245	1.547E+4	0.487
3664.	1.24	1.547E+4	0.495
3665.	1.237	1.547E+4	0.496
3666.	1.244	1.547E+4	0.487
3667.	1.241	1.547E+4	0.487
3668.	1.24	1.547E+4	0.485
3669.	1.233	1.547E+4	0.489
3670.	1.236	1.547E+4	0.492
3671.	1.237	1.548E+4	0.499
3672.	1.24	1.548E+4	0.492
3673.	1.237	1.548E+4	0.499
3674.	1.237	1.548E+4	0.496
3675.	1.237	1.548E+4	0.487
3676.	1.236	1.548E+4	0.489
3677.	1.232	1.548E+4	0.494
3678.	1.237	1.548E+4	0.496
3679.	1.226	1.548E+4	0.489
3680.	1.234	1.548E+4	0.494
3681.	1.239	1.549E+4	0.494
3682.	1.235	1.549E+4	0.487
3683.	1.236	1.549E+4	0.481
3684.	1.232	1.549E+4	0.487
3685.	1.229	1.549E+4	0.489
3686.	1.235	1.549E+4	0.494
3687.	1.236	1.549E+4	0.49
3688.	1.235	1.549E+4	0.496
3689.	1.24	1.549E+4	0.487
3690.	1.232	1.549E+4	0.496
3691.	1.235	1.55E+4	0.489
3692.	1.239	1.55E+4	0.496
3693.	1.239	1.55E+4	0.498
3694.	1.234	1.55E+4	0.495
3695.	1.228	1.55E+4	0.485
3696.	1.237	1.55E+4	0.49
3697.	1.229	1.55E+4	0.494
3698.	1.23	1.55E+4	0.491
3699.	1.234	1.55E+4	0.498
3700.	1.23	1.55E+4	0.496
3701.	1.235	1.551E+4	0.487
3702.	1.241	1.551E+4	0.491
3703.	1.237	1.551E+4	0.485
3704.	1.231	1.551E+4	0.496
3705.	1.225	1.551E+4	0.499

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3706.	1.232	1.551E+4	0.492
3707.	1.239	1.551E+4	0.49
3708.	1.238	1.551E+4	0.496
3709.	1.239	1.551E+4	0.503
3710.	1.236	1.551E+4	0.487
3711.	1.233	1.552E+4	0.49
3712.	1.241	1.552E+4	0.496
3713.	1.232	1.552E+4	0.494
3714.	1.234	1.552E+4	0.49
3715.	1.228	1.552E+4	0.489
3716.	1.234	1.552E+4	0.496
3717.	1.23	1.552E+4	0.498
3718.	1.236	1.552E+4	0.502
3719.	1.232	1.552E+4	0.486
3720.	1.225	1.552E+4	0.501
3721.	1.234	1.553E+4	0.494
3722.	1.234	1.553E+4	0.494
3723.	1.241	1.553E+4	0.488
3724.	1.235	1.553E+4	0.492
3725.	1.234	1.553E+4	0.488
3726.	1.233	1.553E+4	0.487
3727.	1.228	1.553E+4	0.483
3728.	1.234	1.553E+4	0.514
3729.	1.23	1.553E+4	0.49
3730.	1.241	1.553E+4	0.496
3731.	1.227	1.554E+4	0.487
3732.	1.228	1.554E+4	0.489
3733.	1.236	1.554E+4	0.486
3734.	1.234	1.554E+4	0.485
3735.	1.231	1.554E+4	0.49
3736.	1.234	1.554E+4	0.49
3737.	1.227	1.554E+4	0.486
3738.	1.226	1.554E+4	0.487
3739.	1.229	1.554E+4	0.496
3740.	1.234	1.554E+4	0.485
3741.	1.237	1.555E+4	0.49
3742.	1.235	1.555E+4	0.494
3743.	1.234	1.555E+4	0.487
3744.	1.231	1.555E+4	0.49
3745.	1.236	1.555E+4	0.485
3746.	1.23	1.555E+4	0.489
3747.	1.234	1.555E+4	0.494
3748.	1.226	1.555E+4	0.491
3749.	1.214	1.555E+4	0.487
3750.	1.23	1.555E+4	0.492
3751.	1.232	1.556E+4	0.494
3752.	1.234	1.556E+4	0.49
3753.	1.225	1.556E+4	0.492
3754.	1.212	1.556E+4	0.496
3755.	1.228	1.556E+4	0.485
3756.	1.227	1.556E+4	0.484
3757.	1.223	1.556E+4	0.487
3758.	1.225	1.556E+4	0.489
3759.	1.228	1.556E+4	0.489
3760.	1.226	1.556E+4	0.483

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3761.	1.226	1.557E+4	0.49
3762.	1.225	1.557E+4	0.489
3763.	1.223	1.557E+4	0.487
3764.	1.234	1.557E+4	0.49
3765.	1.225	1.557E+4	0.494
3766.	1.226	1.557E+4	0.489
3767.	1.216	1.557E+4	0.485
3768.	1.225	1.557E+4	0.487
3769.	1.224	1.557E+4	0.496
3770.	1.233	1.557E+4	0.492
3771.	1.214	1.558E+4	0.499
3772.	1.22	1.558E+4	0.491
3773.	1.23	1.558E+4	0.494
3774.	1.218	1.558E+4	0.487
3775.	1.23	1.558E+4	0.488
3776.	1.222	1.558E+4	0.497
3777.	1.225	1.558E+4	0.485
3778.	1.234	1.558E+4	0.487
3779.	1.227	1.558E+4	0.481
3780.	1.221	1.558E+4	0.481
3781.	1.222	1.559E+4	0.493
3782.	1.224	1.559E+4	0.49
3783.	1.222	1.559E+4	0.487
3784.	1.232	1.559E+4	0.485
3785.	1.227	1.559E+4	0.494
3786.	1.219	1.559E+4	0.481
3787.	1.221	1.559E+4	0.482
3788.	1.228	1.559E+4	0.481
3789.	1.226	1.559E+4	0.481
3790.	1.225	1.559E+4	0.487
3791.	1.221	1.56E+4	0.489
3792.	1.233	1.56E+4	0.491
3793.	1.227	1.56E+4	0.492
3794.	1.219	1.56E+4	0.487
3795.	1.222	1.56E+4	0.485
3796.	1.232	1.56E+4	0.492
3797.	1.227	1.56E+4	0.489
3798.	1.228	1.56E+4	0.487
3799.	1.221	1.56E+4	0.487
3800.	1.226	1.56E+4	0.487
3801.	1.227	1.561E+4	0.492
3802.	1.226	1.561E+4	0.49
3803.	1.227	1.561E+4	0.485
3804.	1.227	1.561E+4	0.492
3805.	1.222	1.561E+4	0.489
3806.	1.225	1.561E+4	0.481
3807.	1.225	1.561E+4	0.492
3808.	1.222	1.561E+4	0.492
3809.	1.228	1.561E+4	0.485
3810.	1.222	1.561E+4	0.491
3811.	1.219	1.562E+4	0.487
3812.	1.23	1.562E+4	0.487
3813.	1.223	1.562E+4	0.491
3814.	1.228	1.562E+4	0.485
3815.	1.218	1.562E+4	0.483

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3816.	1.223	1.562E+4	0.487
3817.	1.218	1.562E+4	0.492
3818.	1.22	1.562E+4	0.489
3819.	1.214	1.562E+4	0.494
3820.	1.235	1.562E+4	0.489
3821.	1.225	1.563E+4	0.473
3822.	1.223	1.563E+4	0.492
3823.	1.214	1.563E+4	0.499
3824.	1.216	1.563E+4	0.488
3825.	1.22	1.563E+4	0.49
3826.	1.218	1.563E+4	0.49
3827.	1.213	1.563E+4	0.485
3828.	1.218	1.563E+4	0.492
3829.	1.216	1.563E+4	0.481
3830.	1.214	1.563E+4	0.486
3831.	1.217	1.564E+4	0.49
3832.	1.225	1.564E+4	0.485
3833.	1.223	1.564E+4	0.483
3834.	1.225	1.564E+4	0.489
3835.	1.219	1.564E+4	0.492
3836.	1.226	1.564E+4	0.479
3837.	1.217	1.564E+4	0.487
3838.	1.228	1.564E+4	0.487
3839.	1.205	1.564E+4	0.483
3840.	1.225	1.564E+4	0.485
3841.	1.227	1.565E+4	0.483
3842.	1.225	1.565E+4	0.485
3843.	1.223	1.565E+4	0.489
3844.	1.221	1.565E+4	0.485
3845.	1.219	1.565E+4	0.487
3846.	1.223	1.565E+4	0.496
3847.	1.213	1.565E+4	0.488
3848.	1.22	1.565E+4	0.49
3849.	1.219	1.565E+4	0.494
3850.	1.223	1.565E+4	0.489
3851.	1.218	1.566E+4	0.484
3852.	1.214	1.566E+4	0.492
3853.	1.225	1.566E+4	0.481
3854.	1.212	1.566E+4	0.484
3855.	1.216	1.566E+4	0.49
3856.	1.223	1.566E+4	0.487
3857.	1.224	1.566E+4	0.483
3858.	1.223	1.566E+4	0.485
3859.	1.225	1.566E+4	0.484
3860.	1.225	1.566E+4	0.485
3861.	1.217	1.567E+4	0.485
3862.	1.216	1.567E+4	0.481
3863.	1.222	1.567E+4	0.487
3864.	1.222	1.567E+4	0.485
3865.	1.224	1.567E+4	0.476
3866.	1.216	1.567E+4	0.481
3867.	1.223	1.567E+4	0.492
3868.	1.22	1.567E+4	0.483
3869.	1.22	1.567E+4	0.483
3870.	1.221	1.567E+4	0.479

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3871.	1.226	1.568E+4	0.487
3872.	1.228	1.568E+4	0.479
3873.	1.217	1.568E+4	0.483
3874.	1.223	1.568E+4	0.472
3875.	1.214	1.568E+4	0.479
3876.	1.216	1.568E+4	0.479
3877.	1.216	1.568E+4	0.479
3878.	1.216	1.568E+4	0.487
3879.	1.216	1.568E+4	0.474
3880.	1.22	1.568E+4	0.479
3881.	1.226	1.569E+4	0.483
3882.	1.214	1.569E+4	0.483
3883.	1.216	1.569E+4	0.476
3884.	1.214	1.569E+4	0.487
3885.	1.214	1.569E+4	0.475
3886.	1.217	1.569E+4	0.489
3887.	1.221	1.569E+4	0.476
3888.	1.211	1.569E+4	0.479
3889.	1.216	1.569E+4	0.478
3890.	1.216	1.569E+4	0.485
3891.	1.214	1.57E+4	0.467
3892.	1.216	1.57E+4	0.473
3893.	1.22	1.57E+4	0.474
3894.	1.221	1.57E+4	0.481
3895.	1.221	1.57E+4	0.478
3896.	1.223	1.57E+4	0.476
3897.	1.219	1.57E+4	0.483
3898.	1.221	1.57E+4	0.485
3899.	1.216	1.57E+4	0.47
3900.	1.222	1.57E+4	0.474
3901.	1.214	1.571E+4	0.476
3902.	1.223	1.571E+4	0.479
3903.	1.219	1.571E+4	0.488
3904.	1.214	1.571E+4	0.474
3905.	1.226	1.571E+4	0.478
3906.	1.216	1.571E+4	0.481
3907.	1.216	1.571E+4	0.478
3908.	1.216	1.571E+4	0.481
3909.	1.219	1.571E+4	0.476
3910.	1.213	1.571E+4	0.472
3911.	1.219	1.572E+4	0.483
3912.	1.214	1.572E+4	0.481
3913.	1.208	1.572E+4	0.479
3914.	1.212	1.572E+4	0.476
3915.	1.216	1.572E+4	0.478
3916.	1.216	1.572E+4	0.479
3917.	1.21	1.572E+4	0.479
3918.	1.212	1.572E+4	0.487
3919.	1.212	1.572E+4	0.479
3920.	1.219	1.572E+4	0.473
3921.	1.219	1.573E+4	0.473
3922.	1.212	1.573E+4	0.479
3923.	1.211	1.573E+4	0.485
3924.	1.221	1.573E+4	0.483
3925.	1.216	1.573E+4	0.481

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3926.	1.216	1.573E+4	0.478
3927.	1.224	1.573E+4	0.481
3928.	1.225	1.573E+4	0.478
3929.	1.217	1.573E+4	0.487
3930.	1.209	1.573E+4	0.474
3931.	1.212	1.574E+4	0.485
3932.	1.212	1.574E+4	0.49
3933.	1.211	1.574E+4	0.476
3934.	1.214	1.574E+4	0.481
3935.	1.214	1.574E+4	0.479
3936.	1.216	1.574E+4	0.49
3937.	1.214	1.574E+4	0.481
3938.	1.221	1.574E+4	0.483
3939.	1.216	1.574E+4	0.463
3940.	1.217	1.574E+4	0.474
3941.	1.219	1.575E+4	0.476
3942.	1.217	1.575E+4	0.482
3943.	1.216	1.575E+4	0.479
3944.	1.214	1.575E+4	0.47
3945.	1.223	1.575E+4	0.474
3946.	1.216	1.575E+4	0.474
3947.	1.218	1.575E+4	0.486
3948.	1.214	1.575E+4	0.459
3949.	1.21	1.575E+4	0.481
3950.	1.209	1.575E+4	0.477
3951.	1.216	1.576E+4	0.479
3952.	1.213	1.576E+4	0.472
3953.	1.214	1.576E+4	0.472
3954.	1.216	1.576E+4	0.47
3955.	1.207	1.576E+4	0.479
3956.	1.208	1.576E+4	0.479
3957.	1.21	1.576E+4	0.474
3958.	1.21	1.576E+4	0.476
3959.	1.213	1.576E+4	0.479
3960.	1.217	1.576E+4	0.478
3961.	1.206	1.577E+4	0.478
3962.	1.214	1.577E+4	0.481
3963.	1.201	1.577E+4	0.474
3964.	1.21	1.577E+4	0.473
3965.	1.21	1.577E+4	0.481
3966.	1.208	1.577E+4	0.479
3967.	1.208	1.577E+4	0.481
3968.	1.216	1.577E+4	0.476
3969.	1.212	1.577E+4	0.502
3970.	1.212	1.577E+4	0.477
3971.	1.214	1.578E+4	0.474
3972.	1.214	1.578E+4	0.474
3973.	1.207	1.578E+4	0.474
3974.	1.214	1.578E+4	0.475
3975.	1.206	1.578E+4	0.472
3976.	1.208	1.578E+4	0.479
3977.	1.213	1.578E+4	0.476
3978.	1.214	1.578E+4	0.481
3979.	1.218	1.578E+4	0.474
3980.	1.211	1.578E+4	0.474

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
3981.	1.205	1.579E+4	0.478
3982.	1.214	1.579E+4	0.474
3983.	1.214	1.579E+4	0.474
3984.	1.219	1.579E+4	0.478
3985.	1.214	1.579E+4	0.472
3986.	1.216	1.579E+4	0.474
3987.	1.21	1.579E+4	0.476
3988.	1.21	1.579E+4	0.478
3989.	1.208	1.579E+4	0.481
3990.	1.217	1.579E+4	0.478
3991.	1.212	1.58E+4	0.463
3992.	1.205	1.58E+4	0.479
3993.	1.212	1.58E+4	0.472
3994.	1.206	1.58E+4	0.485
3995.	1.206	1.58E+4	0.485
3996.	1.214	1.58E+4	0.472
3997.	1.205	1.58E+4	0.475
3998.	1.208	1.58E+4	0.468
3999.	1.205	1.58E+4	0.467
4000.	1.216	1.58E+4	0.481
4001.	1.205	1.581E+4	0.474
4002.	1.205	1.581E+4	0.465
4003.	1.219	1.581E+4	0.47
4004.	1.204	1.581E+4	0.472
4005.	1.209	1.581E+4	0.464
4006.	1.205	1.581E+4	0.476
4007.	1.21	1.581E+4	0.465
4008.	1.207	1.581E+4	0.478
4009.	1.204	1.581E+4	0.47
4010.	1.209	1.581E+4	0.472
4011.	1.212	1.582E+4	0.48
4012.	1.206	1.582E+4	0.47
4013.	1.206	1.582E+4	0.457
4014.	1.206	1.582E+4	0.469
4015.	1.203	1.582E+4	0.476
4016.	1.214	1.582E+4	0.472
4017.	1.203	1.582E+4	0.472
4018.	1.209	1.582E+4	0.478
4019.	1.208	1.582E+4	0.468
4020.	1.206	1.582E+4	0.47
4021.	1.197	1.583E+4	0.47
4022.	1.204	1.583E+4	0.474
4023.	1.208	1.583E+4	0.465
4024.	1.206	1.583E+4	0.476
4025.	1.207	1.583E+4	0.479
4026.	1.205	1.583E+4	0.474
4027.	1.208	1.583E+4	0.479
4028.	1.208	1.583E+4	0.474
4029.	1.205	1.583E+4	0.474
4030.	1.208	1.583E+4	0.468
4031.	1.206	1.584E+4	0.476
4032.	1.21	1.584E+4	0.465
4033.	1.199	1.584E+4	0.465
4034.	1.211	1.584E+4	0.478
4035.	1.217	1.584E+4	0.469

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4036.	1.216	1.584E+4	0.463
4037.	1.214	1.584E+4	0.469
4038.	1.201	1.584E+4	0.478
4039.	1.206	1.584E+4	0.484
4040.	1.21	1.584E+4	0.469
4041.	1.216	1.585E+4	0.47
4042.	1.206	1.585E+4	0.489
4043.	1.207	1.585E+4	0.476
4044.	1.205	1.585E+4	0.479
4045.	1.208	1.585E+4	0.47
4046.	1.201	1.585E+4	0.47
4047.	1.205	1.585E+4	0.472
4048.	1.206	1.585E+4	0.479
4049.	1.209	1.585E+4	0.473
4050.	1.208	1.585E+4	0.474
4051.	1.211	1.586E+4	0.477
4052.	1.205	1.586E+4	0.468
4053.	1.205	1.586E+4	0.477
4054.	1.203	1.586E+4	0.472
4055.	1.203	1.586E+4	0.472
4056.	1.205	1.586E+4	0.47
4057.	1.205	1.586E+4	0.481
4058.	1.205	1.586E+4	0.478
4059.	1.208	1.586E+4	0.47
4060.	1.206	1.586E+4	0.47
4061.	1.212	1.587E+4	0.479
4062.	1.204	1.587E+4	0.485
4063.	1.212	1.587E+4	0.472
4064.	1.208	1.587E+4	0.478
4065.	1.203	1.587E+4	0.473
4066.	1.205	1.587E+4	0.476
4067.	1.202	1.587E+4	0.472
4068.	1.21	1.587E+4	0.469
4069.	1.199	1.587E+4	0.465
4070.	1.205	1.587E+4	0.47
4071.	1.205	1.588E+4	0.468
4072.	1.201	1.588E+4	0.465
4073.	1.208	1.588E+4	0.476
4074.	1.206	1.588E+4	0.478
4075.	1.205	1.588E+4	0.476
4076.	1.203	1.588E+4	0.469
4077.	1.206	1.588E+4	0.474
4078.	1.202	1.588E+4	0.479
4079.	1.196	1.588E+4	0.47
4080.	1.201	1.588E+4	0.467
4081.	1.201	1.589E+4	0.463
4082.	1.202	1.589E+4	0.472
4083.	1.206	1.589E+4	0.467
4084.	1.194	1.589E+4	0.474
4085.	1.201	1.589E+4	0.482
4086.	1.203	1.589E+4	0.473
4087.	1.205	1.589E+4	0.47
4088.	1.206	1.589E+4	0.472
4089.	1.203	1.589E+4	0.467
4090.	1.203	1.589E+4	0.477

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4091.	1.203	1.59E+4	0.474
4092.	1.21	1.59E+4	0.478
4093.	1.205	1.59E+4	0.47
4094.	1.205	1.59E+4	0.476
4095.	1.205	1.59E+4	0.465
4096.	1.201	1.59E+4	0.472
4097.	1.205	1.59E+4	0.467
4098.	1.203	1.59E+4	0.477
4099.	1.204	1.59E+4	0.467
4100.	1.199	1.59E+4	0.476
4101.	1.205	1.591E+4	0.478
4102.	1.205	1.591E+4	0.476
4103.	1.201	1.591E+4	0.467
4104.	1.205	1.591E+4	0.471
4105.	1.203	1.591E+4	0.481
4106.	1.19	1.591E+4	0.47
4107.	1.205	1.591E+4	0.475
4108.	1.206	1.591E+4	0.466
4109.	1.196	1.591E+4	0.478
4110.	1.206	1.591E+4	0.477
4111.	1.203	1.592E+4	0.467
4112.	1.204	1.592E+4	0.471
4113.	1.199	1.592E+4	0.472
4114.	1.207	1.592E+4	0.47
4115.	1.197	1.592E+4	0.481
4116.	1.205	1.592E+4	0.47
4117.	1.196	1.592E+4	0.469
4118.	1.202	1.592E+4	0.476
4119.	1.2	1.592E+4	0.474
4120.	1.199	1.592E+4	0.47
4121.	1.197	1.593E+4	0.467
4122.	1.198	1.593E+4	0.463
4123.	1.201	1.593E+4	0.465
4124.	1.198	1.593E+4	0.472
4125.	1.197	1.593E+4	0.47
4126.	1.204	1.593E+4	0.47
4127.	1.197	1.593E+4	0.47
4128.	1.205	1.593E+4	0.475
4129.	1.2	1.593E+4	0.476
4130.	1.202	1.593E+4	0.471
4131.	1.194	1.594E+4	0.476
4132.	1.196	1.594E+4	0.476
4133.	1.194	1.594E+4	0.472
4134.	1.198	1.594E+4	0.47
4135.	1.194	1.594E+4	0.473
4136.	1.193	1.594E+4	0.478
4137.	1.194	1.594E+4	0.474
4138.	1.197	1.594E+4	0.47
4139.	1.194	1.594E+4	0.474
4140.	1.193	1.594E+4	0.473
4141.	1.197	1.595E+4	0.468
4142.	1.199	1.595E+4	0.463
4143.	1.196	1.595E+4	0.47
4144.	1.198	1.595E+4	0.468
4145.	1.188	1.595E+4	0.47

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4146.	1.201	1.595E+4	0.476
4147.	1.202	1.595E+4	0.468
4148.	1.199	1.595E+4	0.472
4149.	1.201	1.595E+4	0.476
4150.	1.197	1.595E+4	0.465
4151.	1.194	1.596E+4	0.476
4152.	1.196	1.596E+4	0.47
4153.	1.194	1.596E+4	0.469
4154.	1.199	1.596E+4	0.472
4155.	1.196	1.596E+4	0.466
4156.	1.193	1.596E+4	0.463
4157.	1.196	1.596E+4	0.461
4158.	1.197	1.596E+4	0.477
4159.	1.201	1.596E+4	0.47
4160.	1.199	1.596E+4	0.459
4161.	1.199	1.597E+4	0.47
4162.	1.21	1.597E+4	0.478
4163.	1.203	1.597E+4	0.471
4164.	1.202	1.597E+4	0.469
4165.	1.196	1.597E+4	0.472
4166.	1.197	1.597E+4	0.458
4167.	1.203	1.597E+4	0.459
4168.	1.193	1.597E+4	0.463
4169.	1.204	1.597E+4	0.465
4170.	1.201	1.597E+4	0.466
4171.	1.199	1.598E+4	0.463
4172.	1.201	1.598E+4	0.459
4173.	1.196	1.598E+4	0.461
4174.	1.196	1.598E+4	0.469
4175.	1.194	1.598E+4	0.463
4176.	1.196	1.598E+4	0.469
4177.	1.194	1.598E+4	0.469
4178.	1.193	1.598E+4	0.456
4179.	1.189	1.598E+4	0.469
4180.	1.194	1.598E+4	0.466
4181.	1.194	1.599E+4	0.475
4182.	1.196	1.599E+4	0.469
4183.	1.194	1.599E+4	0.467
4184.	1.196	1.599E+4	0.476
4185.	1.205	1.599E+4	0.463
4186.	1.194	1.599E+4	0.468
4187.	1.199	1.599E+4	0.474
4188.	1.197	1.599E+4	0.47
4189.	1.192	1.599E+4	0.474
4190.	1.201	1.599E+4	0.465
4191.	1.201	1.6E+4	0.472
4192.	1.192	1.6E+4	0.471
4193.	1.193	1.6E+4	0.465
4194.	1.194	1.6E+4	0.469
4195.	1.196	1.6E+4	0.467
4196.	1.199	1.6E+4	0.467
4197.	1.185	1.6E+4	0.461
4198.	1.197	1.6E+4	0.465
4199.	1.199	1.6E+4	0.463
4200.	1.185	1.6E+4	0.465

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4201.	1.209	1.601E+4	0.464
4202.	1.199	1.601E+4	0.463
4203.	1.201	1.601E+4	0.469
4204.	1.205	1.601E+4	0.469
4205.	1.19	1.601E+4	0.465
4206.	1.197	1.601E+4	0.465
4207.	1.197	1.601E+4	0.465
4208.	1.197	1.601E+4	0.463
4209.	1.189	1.601E+4	0.469
4210.	1.2	1.601E+4	0.472
4211.	1.198	1.602E+4	0.472
4212.	1.199	1.602E+4	0.469
4213.	1.196	1.602E+4	0.47
4214.	1.196	1.602E+4	0.47
4215.	1.196	1.602E+4	0.472
4216.	1.194	1.602E+4	0.459
4217.	1.196	1.602E+4	0.478
4218.	1.196	1.602E+4	0.467
4219.	1.194	1.602E+4	0.458
4220.	1.194	1.602E+4	0.472
4221.	1.194	1.603E+4	0.47
4222.	1.198	1.603E+4	0.467
4223.	1.204	1.603E+4	0.465
4224.	1.192	1.603E+4	0.473
4225.	1.188	1.603E+4	0.465
4226.	1.192	1.603E+4	0.467
4227.	1.199	1.603E+4	0.461
4228.	1.216	1.603E+4	0.47
4229.	1.186	1.603E+4	0.47
4230.	1.192	1.603E+4	0.459
4231.	1.192	1.604E+4	0.464
4232.	1.197	1.604E+4	0.463
4233.	1.197	1.604E+4	0.463
4234.	1.191	1.604E+4	0.474
4235.	1.197	1.604E+4	0.459
4236.	1.199	1.604E+4	0.467
4237.	1.19	1.604E+4	0.463
4238.	1.192	1.604E+4	0.469
4239.	1.187	1.604E+4	0.47
4240.	1.185	1.604E+4	0.458
4241.	1.184	1.605E+4	0.459
4242.	1.184	1.605E+4	0.461
4243.	1.196	1.605E+4	0.458
4244.	1.192	1.605E+4	0.463
4245.	1.185	1.605E+4	0.467
4246.	1.194	1.605E+4	0.461
4247.	1.19	1.605E+4	0.459
4248.	1.196	1.605E+4	0.464
4249.	1.202	1.605E+4	0.461
4250.	1.194	1.605E+4	0.469
4251.	1.189	1.606E+4	0.458
4252.	1.188	1.606E+4	0.463
4253.	1.188	1.606E+4	0.458
4254.	1.191	1.606E+4	0.466
4255.	1.186	1.606E+4	0.466

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4256.	1.185	1.606E+4	0.464
4257.	1.197	1.606E+4	0.461
4258.	1.193	1.606E+4	0.459
4259.	1.183	1.606E+4	0.467
4260.	1.193	1.606E+4	0.454
4261.	1.19	1.607E+4	0.468
4262.	1.188	1.607E+4	0.465
4263.	1.185	1.607E+4	0.467
4264.	1.201	1.607E+4	0.469
4265.	1.194	1.607E+4	0.461
4266.	1.189	1.607E+4	0.456
4267.	1.196	1.607E+4	0.454
4268.	1.219	1.607E+4	0.459
4269.	1.196	1.607E+4	0.466
4270.	1.185	1.607E+4	0.459
4271.	1.189	1.608E+4	0.463
4272.	1.187	1.608E+4	0.455
4273.	1.186	1.608E+4	0.461
4274.	1.185	1.608E+4	0.456
4275.	1.194	1.608E+4	0.452
4276.	1.187	1.608E+4	0.461
4277.	1.178	1.608E+4	0.461
4278.	1.19	1.608E+4	0.465
4279.	1.188	1.608E+4	0.463
4280.	1.191	1.608E+4	0.458
4281.	1.188	1.609E+4	0.461
4282.	1.185	1.609E+4	0.461
4283.	1.187	1.609E+4	0.461
4284.	1.188	1.609E+4	0.465
4285.	1.185	1.609E+4	0.459
4286.	1.183	1.609E+4	0.481
4287.	1.191	1.609E+4	0.463
4288.	1.184	1.609E+4	0.469
4289.	1.182	1.609E+4	0.459
4290.	1.185	1.609E+4	0.456
4291.	1.185	1.61E+4	0.465
4292.	1.189	1.61E+4	0.463
4293.	1.185	1.61E+4	0.464
4294.	1.185	1.61E+4	0.451
4295.	1.185	1.61E+4	0.461
4296.	1.185	1.61E+4	0.461
4297.	1.185	1.61E+4	0.458
4298.	1.177	1.61E+4	0.459
4299.	1.183	1.61E+4	0.459
4300.	1.179	1.61E+4	0.456
4301.	1.185	1.611E+4	0.461
4302.	1.186	1.611E+4	0.464
4303.	1.185	1.611E+4	0.467
4304.	1.188	1.611E+4	0.458
4305.	1.181	1.611E+4	0.459
4306.	1.181	1.611E+4	0.456
4307.	1.185	1.611E+4	0.454
4308.	1.183	1.611E+4	0.461
4309.	1.185	1.611E+4	0.457
4310.	1.185	1.611E+4	0.459

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4311.	1.188	1.612E+4	0.458
4312.	1.185	1.612E+4	0.459
4313.	1.182	1.612E+4	0.459
4314.	1.184	1.612E+4	0.454
4315.	1.184	1.612E+4	0.456
4316.	1.179	1.612E+4	0.452
4317.	1.171	1.612E+4	0.458
4318.	1.181	1.612E+4	0.459
4319.	1.185	1.612E+4	0.451
4320.	1.189	1.612E+4	0.452
4321.	1.18	1.613E+4	0.461
4322.	1.185	1.613E+4	0.455
4323.	1.176	1.613E+4	0.459
4324.	1.185	1.613E+4	0.456
4325.	1.18	1.613E+4	0.454
4326.	1.182	1.613E+4	0.463
4327.	1.176	1.613E+4	0.462
4328.	1.185	1.613E+4	0.454
4329.	1.188	1.613E+4	0.463
4330.	1.187	1.613E+4	0.459
4331.	1.188	1.614E+4	0.463
4332.	1.18	1.614E+4	0.456
4333.	1.182	1.614E+4	0.458
4334.	1.174	1.614E+4	0.458
4335.	1.182	1.614E+4	0.452
4336.	1.186	1.614E+4	0.461
4337.	1.179	1.614E+4	0.452
4338.	1.176	1.614E+4	0.458
4339.	1.183	1.614E+4	0.448
4340.	1.184	1.614E+4	0.456
4341.	1.183	1.615E+4	0.454
4342.	1.186	1.615E+4	0.457
4343.	1.176	1.615E+4	0.454
4344.	1.183	1.615E+4	0.459
4345.	1.186	1.615E+4	0.474
4346.	1.185	1.615E+4	0.456
4347.	1.184	1.615E+4	0.455
4348.	1.181	1.615E+4	0.459
4349.	1.188	1.615E+4	0.452
4350.	1.175	1.615E+4	0.45
4351.	1.181	1.616E+4	0.45
4352.	1.187	1.616E+4	0.449
4353.	1.181	1.616E+4	0.454
4354.	1.184	1.616E+4	0.455
4355.	1.183	1.616E+4	0.445
4356.	1.176	1.616E+4	0.457
4357.	1.178	1.616E+4	0.459
4358.	1.181	1.616E+4	0.454
4359.	1.187	1.616E+4	0.452
4360.	1.177	1.616E+4	0.465
4361.	1.184	1.617E+4	0.456
4362.	1.179	1.617E+4	0.461
4363.	1.176	1.617E+4	0.458
4364.	1.172	1.617E+4	0.461
4365.	1.182	1.617E+4	0.458

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4366.	1.177	1.617E+4	0.461
4367.	1.178	1.617E+4	0.458
4368.	1.184	1.617E+4	0.459
4369.	1.176	1.617E+4	0.454
4370.	1.183	1.617E+4	0.456
4371.	1.178	1.618E+4	0.456
4372.	1.179	1.618E+4	0.463
4373.	1.181	1.618E+4	0.459
4374.	1.177	1.618E+4	0.456
4375.	1.177	1.618E+4	0.455
4376.	1.188	1.618E+4	0.454
4377.	1.176	1.618E+4	0.454
4378.	1.181	1.618E+4	0.45
4379.	1.176	1.618E+4	0.456
4380.	1.177	1.618E+4	0.451
4381.	1.182	1.619E+4	0.456
4382.	1.181	1.619E+4	0.45
4383.	1.174	1.619E+4	0.458
4384.	1.174	1.619E+4	0.461
4385.	1.18	1.619E+4	0.452
4386.	1.185	1.619E+4	0.456
4387.	1.18	1.619E+4	0.447
4388.	1.18	1.619E+4	0.461
4389.	1.185	1.619E+4	0.45
4390.	1.181	1.619E+4	0.456
4391.	1.177	1.62E+4	0.449
4392.	1.175	1.62E+4	0.449
4393.	1.194	1.62E+4	0.45
4394.	1.188	1.62E+4	0.452
4395.	1.182	1.62E+4	0.463
4396.	1.173	1.62E+4	0.456
4397.	1.179	1.62E+4	0.453
4398.	1.176	1.62E+4	0.451
4399.	1.171	1.62E+4	0.45
4400.	1.173	1.62E+4	0.449
4401.	1.177	1.621E+4	0.457
4402.	1.176	1.621E+4	0.453
4403.	1.176	1.621E+4	0.454
4404.	1.187	1.621E+4	0.458
4405.	1.176	1.621E+4	0.454
4406.	1.17	1.621E+4	0.45
4407.	1.185	1.621E+4	0.453
4408.	1.187	1.621E+4	0.458
4409.	1.173	1.621E+4	0.457
4410.	1.181	1.621E+4	0.452
4411.	1.177	1.622E+4	0.458
4412.	1.185	1.622E+4	0.454
4413.	1.172	1.622E+4	0.459
4414.	1.177	1.622E+4	0.459
4415.	1.18	1.622E+4	0.463
4416.	1.176	1.622E+4	0.459
4417.	1.183	1.622E+4	0.454
4418.	1.179	1.622E+4	0.456
4419.	1.174	1.622E+4	0.454
4420.	1.183	1.622E+4	0.45

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4421.	1.182	1.623E+4	0.459
4422.	1.185	1.623E+4	0.456
4423.	1.179	1.623E+4	0.458
4424.	1.176	1.623E+4	0.455
4425.	1.183	1.623E+4	0.454
4426.	1.176	1.623E+4	0.453
4427.	1.176	1.623E+4	0.451
4428.	1.18	1.623E+4	0.45
4429.	1.168	1.623E+4	0.454
4430.	1.179	1.623E+4	0.459
4431.	1.177	1.624E+4	0.459
4432.	1.178	1.624E+4	0.449
4433.	1.172	1.624E+4	0.447
4434.	1.177	1.624E+4	0.447
4435.	1.178	1.624E+4	0.452
4436.	1.176	1.624E+4	0.449
4437.	1.182	1.624E+4	0.439
4438.	1.176	1.624E+4	0.45
4439.	1.179	1.624E+4	0.458
4440.	1.174	1.624E+4	0.457
4441.	1.178	1.625E+4	0.454
4442.	1.181	1.625E+4	0.452
4443.	1.181	1.625E+4	0.451
4444.	1.183	1.625E+4	0.453
4445.	1.176	1.625E+4	0.458
4446.	1.181	1.625E+4	0.453
4447.	1.177	1.625E+4	0.459
4448.	1.176	1.625E+4	0.459
4449.	1.174	1.625E+4	0.455
4450.	1.172	1.625E+4	0.456
4451.	1.174	1.626E+4	0.456
4452.	1.172	1.626E+4	0.45
4453.	1.176	1.626E+4	0.454
4454.	1.183	1.626E+4	0.451
4455.	1.177	1.626E+4	0.443
4456.	1.172	1.626E+4	0.456
4457.	1.177	1.626E+4	0.45
4458.	1.169	1.626E+4	0.456
4459.	1.178	1.626E+4	0.452
4460.	1.181	1.626E+4	0.452
4461.	1.174	1.627E+4	0.448
4462.	1.177	1.627E+4	0.45
4463.	1.172	1.627E+4	0.452
4464.	1.17	1.627E+4	0.456
4465.	1.172	1.627E+4	0.456
4466.	1.176	1.627E+4	0.445
4467.	1.176	1.627E+4	0.45
4468.	1.175	1.627E+4	0.456
4469.	1.172	1.627E+4	0.456
4470.	1.18	1.627E+4	0.454
4471.	1.176	1.628E+4	0.446
4472.	1.167	1.628E+4	0.456
4473.	1.17	1.628E+4	0.45
4474.	1.172	1.628E+4	0.447
4475.	1.177	1.628E+4	0.452

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4476.	1.174	1.628E+4	0.445
4477.	1.174	1.628E+4	0.459
4478.	1.174	1.628E+4	0.449
4479.	1.166	1.628E+4	0.452
4480.	1.178	1.628E+4	0.445
4481.	1.176	1.629E+4	0.449
4482.	1.174	1.629E+4	0.45
4483.	1.169	1.629E+4	0.449
4484.	1.175	1.629E+4	0.458
4485.	1.177	1.629E+4	0.456
4486.	1.172	1.629E+4	0.462
4487.	1.175	1.629E+4	0.452
4488.	1.175	1.629E+4	0.456
4489.	1.174	1.629E+4	0.445
4490.	1.175	1.629E+4	0.445
4491.	1.174	1.63E+4	0.458
4492.	1.174	1.63E+4	0.452
4493.	1.176	1.63E+4	0.445
4494.	1.177	1.63E+4	0.448
4495.	1.174	1.63E+4	0.45
4496.	1.171	1.63E+4	0.45
4497.	1.176	1.63E+4	0.454
4498.	1.175	1.63E+4	0.446
4499.	1.176	1.63E+4	0.447
4500.	1.176	1.63E+4	0.452
4501.	1.17	1.631E+4	0.443
4502.	1.17	1.631E+4	0.453
4503.	1.168	1.631E+4	0.449
4504.	1.172	1.631E+4	0.452
4505.	1.174	1.631E+4	0.455
4506.	1.179	1.631E+4	0.455
4507.	1.176	1.631E+4	0.451
4508.	1.169	1.631E+4	0.447
4509.	1.168	1.631E+4	0.443
4510.	1.17	1.631E+4	0.447
4511.	1.172	1.632E+4	0.441
4512.	1.177	1.632E+4	0.452
4513.	1.177	1.632E+4	0.445
4514.	1.183	1.632E+4	0.449
4515.	1.173	1.632E+4	0.446
4516.	1.171	1.632E+4	0.449
4517.	1.178	1.632E+4	0.449
4518.	1.166	1.632E+4	0.443
4519.	1.169	1.632E+4	0.456
4520.	1.168	1.632E+4	0.446
4521.	1.179	1.633E+4	0.452
4522.	1.167	1.633E+4	0.456
4523.	1.175	1.633E+4	0.452
4524.	1.17	1.633E+4	0.447
4525.	1.168	1.633E+4	0.452
4526.	1.179	1.633E+4	0.449
4527.	1.165	1.633E+4	0.439
4528.	1.17	1.633E+4	0.449
4529.	1.172	1.633E+4	0.446
4530.	1.171	1.633E+4	0.454

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4531.	1.165	1.634E+4	0.45
4532.	1.173	1.634E+4	0.448
4533.	1.166	1.634E+4	0.447
4534.	1.165	1.634E+4	0.447
4535.	1.176	1.634E+4	0.447
4536.	1.176	1.634E+4	0.443
4537.	1.172	1.634E+4	0.45
4538.	1.177	1.634E+4	0.449
4539.	1.163	1.634E+4	0.454
4540.	1.169	1.634E+4	0.45
4541.	1.17	1.635E+4	0.45
4542.	1.169	1.635E+4	0.463
4543.	1.171	1.635E+4	0.454
4544.	1.165	1.635E+4	0.45
4545.	1.166	1.635E+4	0.447
4546.	1.172	1.635E+4	0.443
4547.	1.161	1.635E+4	0.454
4548.	1.177	1.635E+4	0.452
4549.	1.172	1.635E+4	0.448
4550.	1.169	1.635E+4	0.449
4551.	1.178	1.636E+4	0.45
4552.	1.165	1.636E+4	0.449
4553.	1.17	1.636E+4	0.446
4554.	1.17	1.636E+4	0.443
4555.	1.168	1.636E+4	0.447
4556.	1.165	1.636E+4	0.451
4557.	1.173	1.636E+4	0.447
4558.	1.163	1.636E+4	0.452
4559.	1.168	1.636E+4	0.444
4560.	1.165	1.636E+4	0.449
4561.	1.174	1.637E+4	0.449
4562.	1.172	1.637E+4	0.449
4563.	1.172	1.637E+4	0.445
4564.	1.159	1.637E+4	0.445
4565.	1.163	1.637E+4	0.454
4566.	1.164	1.637E+4	0.447
4567.	1.165	1.637E+4	0.449
4568.	1.164	1.637E+4	0.45
4569.	1.168	1.637E+4	0.449
4570.	1.163	1.637E+4	0.447
4571.	1.156	1.638E+4	0.449
4572.	1.161	1.638E+4	0.452
4573.	1.169	1.638E+4	0.461
4574.	1.17	1.638E+4	0.457
4575.	1.176	1.638E+4	0.452
4576.	1.166	1.638E+4	0.447
4577.	1.173	1.638E+4	0.449
4578.	1.162	1.638E+4	0.45
4579.	1.161	1.638E+4	0.45
4580.	1.168	1.638E+4	0.445
4581.	1.166	1.639E+4	0.45
4582.	1.17	1.639E+4	0.454
4583.	1.165	1.639E+4	0.452
4584.	1.165	1.639E+4	0.45
4585.	1.172	1.639E+4	0.447

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4586.	1.171	1.639E+4	0.445
4587.	1.165	1.639E+4	0.442
4588.	1.168	1.639E+4	0.443
4589.	1.162	1.639E+4	0.449
4590.	1.157	1.639E+4	0.45
4591.	1.165	1.64E+4	0.439
4592.	1.159	1.64E+4	0.445
4593.	1.166	1.64E+4	0.447
4594.	1.168	1.64E+4	0.443
4595.	1.168	1.64E+4	0.441
4596.	1.168	1.64E+4	0.447
4597.	1.166	1.64E+4	0.445
4598.	1.161	1.64E+4	0.443
4599.	1.168	1.64E+4	0.439
4600.	1.164	1.64E+4	0.445
4601.	1.159	1.641E+4	0.447
4602.	1.153	1.641E+4	0.443
4603.	1.166	1.641E+4	0.452
4604.	1.168	1.641E+4	0.445
4605.	1.165	1.641E+4	0.445
4606.	1.166	1.641E+4	0.445
4607.	1.177	1.641E+4	0.439
4608.	1.176	1.641E+4	0.445
4609.	1.161	1.641E+4	0.44
4610.	1.163	1.641E+4	0.447
4611.	1.157	1.642E+4	0.447
4612.	1.162	1.642E+4	0.452
4613.	1.166	1.642E+4	0.438
4614.	1.168	1.642E+4	0.448
4615.	1.165	1.642E+4	0.438
4616.	1.164	1.642E+4	0.441
4617.	1.169	1.642E+4	0.448
4618.	1.168	1.642E+4	0.442
4619.	1.162	1.642E+4	0.449
4620.	1.162	1.642E+4	0.449
4621.	1.165	1.643E+4	0.445
4622.	1.17	1.643E+4	0.442
4623.	1.168	1.643E+4	0.45
4624.	1.163	1.643E+4	0.45
4625.	1.161	1.643E+4	0.444
4626.	1.172	1.643E+4	0.442
4627.	1.158	1.643E+4	0.438
4628.	1.156	1.643E+4	0.441
4629.	1.159	1.643E+4	0.445
4630.	1.163	1.643E+4	0.445
4631.	1.161	1.644E+4	0.445
4632.	1.157	1.644E+4	0.449
4633.	1.156	1.644E+4	0.445
4634.	1.157	1.644E+4	0.451
4635.	1.163	1.644E+4	0.449
4636.	1.169	1.644E+4	0.439
4637.	1.161	1.644E+4	0.445
4638.	1.165	1.644E+4	0.441
4639.	1.166	1.644E+4	0.445
4640.	1.165	1.644E+4	0.439

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4641.	1.16	1.645E+4	0.445
4642.	1.154	1.645E+4	0.44
4643.	1.161	1.645E+4	0.445
4644.	1.165	1.645E+4	0.436
4645.	1.154	1.645E+4	0.439
4646.	1.161	1.645E+4	0.445
4647.	1.162	1.645E+4	0.448
4648.	1.168	1.645E+4	0.447
4649.	1.165	1.645E+4	0.435
4650.	1.157	1.645E+4	0.45
4651.	1.154	1.646E+4	0.438
4652.	1.159	1.646E+4	0.441
4653.	1.163	1.646E+4	0.439
4654.	1.164	1.646E+4	0.445
4655.	1.16	1.646E+4	0.442
4656.	1.154	1.646E+4	0.438
4657.	1.159	1.646E+4	0.441
4658.	1.16	1.646E+4	0.436
4659.	1.156	1.646E+4	0.445
4660.	1.159	1.646E+4	0.432
4661.	1.156	1.647E+4	0.435
4662.	1.167	1.647E+4	0.434
4663.	1.157	1.647E+4	0.445
4664.	1.16	1.647E+4	0.435
4665.	1.17	1.647E+4	0.444
4666.	1.156	1.647E+4	0.434
4667.	1.166	1.647E+4	0.436
4668.	1.16	1.647E+4	0.443
4669.	1.159	1.647E+4	0.441
4670.	1.163	1.647E+4	0.434
4671.	1.167	1.648E+4	0.441
4672.	1.161	1.648E+4	0.436
4673.	1.156	1.648E+4	0.443
4674.	1.155	1.648E+4	0.438
4675.	1.165	1.648E+4	0.44
4676.	1.163	1.648E+4	0.447
4677.	1.162	1.648E+4	0.439
4678.	1.156	1.648E+4	0.448
4679.	1.156	1.648E+4	0.445
4680.	1.158	1.648E+4	0.442
4681.	1.162	1.649E+4	0.438
4682.	1.148	1.649E+4	0.438
4683.	1.165	1.649E+4	0.445
4684.	1.154	1.649E+4	0.439
4685.	1.158	1.649E+4	0.446
4686.	1.159	1.649E+4	0.446
4687.	1.159	1.649E+4	0.436
4688.	1.161	1.649E+4	0.437
4689.	1.157	1.649E+4	0.445
4690.	1.161	1.649E+4	0.437
4691.	1.161	1.65E+4	0.434
4692.	1.165	1.65E+4	0.436
4693.	1.165	1.65E+4	0.439
4694.	1.147	1.65E+4	0.441
4695.	1.154	1.65E+4	0.435

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4696.	1.15	1.65E+4	0.439
4697.	1.161	1.65E+4	0.437
4698.	1.154	1.65E+4	0.434
4699.	1.156	1.65E+4	0.438
4700.	1.15	1.65E+4	0.436
4701.	1.156	1.651E+4	0.44
4702.	1.156	1.651E+4	0.434
4703.	1.162	1.651E+4	0.447
4704.	1.157	1.651E+4	0.443
4705.	1.153	1.651E+4	0.442
4706.	1.154	1.651E+4	0.44
4707.	1.163	1.651E+4	0.454
4708.	1.159	1.651E+4	0.443
4709.	1.151	1.651E+4	0.448
4710.	1.162	1.651E+4	0.449
4711.	1.156	1.652E+4	0.443
4712.	1.159	1.652E+4	0.444
4713.	1.163	1.652E+4	0.439
4714.	1.162	1.652E+4	0.441
4715.	1.161	1.652E+4	0.438
4716.	1.149	1.652E+4	0.448
4717.	1.16	1.652E+4	0.44
4718.	1.156	1.652E+4	0.445
4719.	1.159	1.652E+4	0.436
4720.	1.16	1.652E+4	0.436
4721.	1.154	1.653E+4	0.445
4722.	1.148	1.653E+4	0.434
4723.	1.152	1.653E+4	0.439
4724.	1.152	1.653E+4	0.445
4725.	1.159	1.653E+4	0.443
4726.	1.151	1.653E+4	0.445
4727.	1.157	1.653E+4	0.439
4728.	1.165	1.653E+4	0.444
4729.	1.161	1.653E+4	0.439
4730.	1.163	1.653E+4	0.441
4731.	1.152	1.654E+4	0.447
4732.	1.149	1.654E+4	0.447
4733.	1.157	1.654E+4	0.438
4734.	1.16	1.654E+4	0.43
4735.	1.16	1.654E+4	0.445
4736.	1.16	1.654E+4	0.443
4737.	1.163	1.654E+4	0.436
4738.	1.157	1.654E+4	0.439
4739.	1.158	1.654E+4	0.436
4740.	1.155	1.654E+4	0.439
4741.	1.153	1.655E+4	0.445
4742.	1.152	1.655E+4	0.438
4743.	1.163	1.655E+4	0.441
4744.	1.159	1.655E+4	0.441
4745.	1.16	1.655E+4	0.444
4746.	1.156	1.655E+4	0.441
4747.	1.154	1.655E+4	0.434
4748.	1.158	1.655E+4	0.439
4749.	1.154	1.655E+4	0.435
4750.	1.156	1.655E+4	0.444

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4751.	1.158	1.656E+4	0.439
4752.	1.159	1.656E+4	0.436
4753.	1.156	1.656E+4	0.439
4754.	1.162	1.656E+4	0.434
4755.	1.156	1.656E+4	0.436
4756.	1.161	1.656E+4	0.438
4757.	1.154	1.656E+4	0.439
4758.	1.156	1.656E+4	0.445
4759.	1.156	1.656E+4	0.439
4760.	1.156	1.656E+4	0.443
4761.	1.157	1.657E+4	0.434
4762.	1.147	1.657E+4	0.439
4763.	1.161	1.657E+4	0.432
4764.	1.155	1.657E+4	0.432
4765.	1.157	1.657E+4	0.439
4766.	1.159	1.657E+4	0.441
4767.	1.157	1.657E+4	0.434
4768.	1.15	1.657E+4	0.441
4769.	1.157	1.657E+4	0.436
4770.	1.148	1.657E+4	0.447
4771.	1.149	1.658E+4	0.437
4772.	1.161	1.658E+4	0.439
4773.	1.15	1.658E+4	0.438
4774.	1.165	1.658E+4	0.428
4775.	1.159	1.658E+4	0.432
4776.	1.154	1.658E+4	0.439
4777.	1.157	1.658E+4	0.442
4778.	1.152	1.658E+4	0.436
4779.	1.157	1.658E+4	0.433
4780.	1.147	1.658E+4	0.438
4781.	1.156	1.659E+4	0.443
4782.	1.147	1.659E+4	0.442
4783.	1.156	1.659E+4	0.445
4784.	1.154	1.659E+4	0.432
4785.	1.156	1.659E+4	0.431
4786.	1.148	1.659E+4	0.447
4787.	1.155	1.659E+4	0.443
4788.	1.154	1.659E+4	0.438
4789.	1.155	1.659E+4	0.439
4790.	1.15	1.659E+4	0.431
4791.	1.151	1.66E+4	0.443
4792.	1.158	1.66E+4	0.439
4793.	1.156	1.66E+4	0.432
4794.	1.155	1.66E+4	0.432
4795.	1.154	1.66E+4	0.428
4796.	1.157	1.66E+4	0.436
4797.	1.15	1.66E+4	0.443
4798.	1.151	1.66E+4	0.432
4799.	1.156	1.66E+4	0.438
4800.	1.148	1.66E+4	0.441
4801.	1.155	1.661E+4	0.433
4802.	1.15	1.661E+4	0.439
4803.	1.152	1.661E+4	0.441
4804.	1.147	1.661E+4	0.435
4805.	1.154	1.661E+4	0.43

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4806.	1.159	1.661E+4	0.43
4807.	1.155	1.661E+4	0.438
4808.	1.149	1.661E+4	0.432
4809.	1.157	1.661E+4	0.441
4810.	1.156	1.661E+4	0.438
4811.	1.159	1.662E+4	0.439
4812.	1.142	1.662E+4	0.44
4813.	1.154	1.662E+4	0.438
4814.	1.153	1.662E+4	0.433
4815.	1.15	1.662E+4	0.441
4816.	1.153	1.662E+4	0.434
4817.	1.154	1.662E+4	0.44
4818.	1.157	1.662E+4	0.439
4819.	1.154	1.662E+4	0.424
4820.	1.147	1.662E+4	0.437
4821.	1.15	1.663E+4	0.436
4822.	1.152	1.663E+4	0.443
4823.	1.147	1.663E+4	0.436
4824.	1.159	1.663E+4	0.438
4825.	1.147	1.663E+4	0.441
4826.	1.148	1.663E+4	0.435
4827.	1.148	1.663E+4	0.436
4828.	1.151	1.663E+4	0.431
4829.	1.149	1.663E+4	0.439
4830.	1.15	1.663E+4	0.448
4831.	1.141	1.664E+4	0.434
4832.	1.143	1.664E+4	0.442
4833.	1.145	1.664E+4	0.444
4834.	1.141	1.664E+4	0.442
4835.	1.156	1.664E+4	0.439
4836.	1.149	1.664E+4	0.434
4837.	1.148	1.664E+4	0.436
4838.	1.147	1.664E+4	0.439
4839.	1.147	1.664E+4	0.437
4840.	1.151	1.664E+4	0.434
4841.	1.152	1.665E+4	0.445
4842.	1.148	1.665E+4	0.434
4843.	1.152	1.665E+4	0.442
4844.	1.145	1.665E+4	0.436
4845.	1.152	1.665E+4	0.432
4846.	1.151	1.665E+4	0.436
4847.	1.143	1.665E+4	0.427
4848.	1.154	1.665E+4	0.438
4849.	1.149	1.665E+4	0.432
4850.	1.164	1.665E+4	0.436
4851.	1.141	1.666E+4	0.439
4852.	1.149	1.666E+4	0.438
4853.	1.15	1.666E+4	0.426
4854.	1.137	1.666E+4	0.438
4855.	1.145	1.666E+4	0.431
4856.	1.147	1.666E+4	0.433
4857.	1.151	1.666E+4	0.441
4858.	1.145	1.666E+4	0.428
4859.	1.156	1.666E+4	0.427
4860.	1.151	1.666E+4	0.439

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4861.	1.152	1.667E+4	0.431
4862.	1.144	1.667E+4	0.433
4863.	1.15	1.667E+4	0.427
4864.	1.15	1.667E+4	0.436
4865.	1.158	1.667E+4	0.431
4866.	1.147	1.667E+4	0.43
4867.	1.147	1.667E+4	0.428
4868.	1.148	1.667E+4	0.428
4869.	1.147	1.667E+4	0.432
4870.	1.138	1.667E+4	0.43
4871.	1.149	1.668E+4	0.433
4872.	1.148	1.668E+4	0.432
4873.	1.157	1.668E+4	0.439
4874.	1.144	1.668E+4	0.438
4875.	1.145	1.668E+4	0.436
4876.	1.145	1.668E+4	0.432
4877.	1.15	1.668E+4	0.427
4878.	1.141	1.668E+4	0.428
4879.	1.143	1.668E+4	0.43
4880.	1.148	1.668E+4	0.434
4881.	1.148	1.669E+4	0.434
4882.	1.135	1.669E+4	0.434
4883.	1.145	1.669E+4	0.434
4884.	1.147	1.669E+4	0.436
4885.	1.144	1.669E+4	0.43
4886.	1.143	1.669E+4	0.437
4887.	1.15	1.669E+4	0.433
4888.	1.147	1.669E+4	0.428
4889.	1.155	1.669E+4	0.434
4890.	1.139	1.669E+4	0.43
4891.	1.148	1.67E+4	0.43
4892.	1.143	1.67E+4	0.434
4893.	1.143	1.67E+4	0.439
4894.	1.145	1.67E+4	0.434
4895.	1.137	1.67E+4	0.439
4896.	1.147	1.67E+4	0.434
4897.	1.139	1.67E+4	0.436
4898.	1.148	1.67E+4	0.438
4899.	1.138	1.67E+4	0.436
4900.	1.15	1.67E+4	0.431
4901.	1.144	1.671E+4	0.436
4902.	1.141	1.671E+4	0.432
4903.	1.147	1.671E+4	0.441
4904.	1.141	1.671E+4	0.436
4905.	1.148	1.671E+4	0.43
4906.	1.135	1.671E+4	0.43
4907.	1.118	1.671E+4	0.438
4908.	1.147	1.671E+4	0.446
4909.	1.141	1.671E+4	0.432
4910.	1.141	1.671E+4	0.433
4911.	1.143	1.672E+4	0.437
4912.	1.156	1.672E+4	0.436
4913.	1.145	1.672E+4	0.427
4914.	1.147	1.672E+4	0.44
4915.	1.131	1.672E+4	0.43

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4916.	1.143	1.672E+4	0.436
4917.	1.136	1.672E+4	0.434
4918.	1.141	1.672E+4	0.436
4919.	1.14	1.672E+4	0.436
4920.	1.141	1.672E+4	0.441
4921.	1.141	1.673E+4	0.435
4922.	1.14	1.673E+4	0.435
4923.	1.14	1.673E+4	0.432
4924.	1.148	1.673E+4	0.435
4925.	1.143	1.673E+4	0.432
4926.	1.144	1.673E+4	0.432
4927.	1.136	1.673E+4	0.431
4928.	1.134	1.673E+4	0.434
4929.	1.141	1.673E+4	0.434
4930.	1.134	1.673E+4	0.438
4931.	1.134	1.674E+4	0.431
4932.	1.137	1.674E+4	0.456
4933.	1.138	1.674E+4	0.438
4934.	1.143	1.674E+4	0.428
4935.	1.137	1.674E+4	0.438
4936.	1.143	1.674E+4	0.438
4937.	1.14	1.674E+4	0.428
4938.	1.142	1.674E+4	0.434
4939.	1.145	1.674E+4	0.439
4940.	1.139	1.674E+4	0.428
4941.	1.141	1.675E+4	0.425
4942.	1.136	1.675E+4	0.428
4943.	1.145	1.675E+4	0.437
4944.	1.14	1.675E+4	0.44
4945.	1.142	1.675E+4	0.44
4946.	1.14	1.675E+4	0.433
4947.	1.137	1.675E+4	0.433
4948.	1.144	1.675E+4	0.438
4949.	1.143	1.675E+4	0.431
4950.	1.135	1.675E+4	0.424
4951.	1.139	1.676E+4	0.432
4952.	1.14	1.676E+4	0.43
4953.	1.148	1.676E+4	0.441
4954.	1.131	1.676E+4	0.423
4955.	1.141	1.676E+4	0.43
4956.	1.15	1.676E+4	0.441
4957.	1.141	1.676E+4	0.434
4958.	1.139	1.676E+4	0.432
4959.	1.136	1.676E+4	0.434
4960.	1.136	1.676E+4	0.432
4961.	1.136	1.677E+4	0.438
4962.	1.147	1.677E+4	0.436
4963.	1.132	1.677E+4	0.432
4964.	1.139	1.677E+4	0.423
4965.	1.137	1.677E+4	0.425
4966.	1.136	1.677E+4	0.432
4967.	1.145	1.677E+4	0.435
4968.	1.137	1.677E+4	0.428
4969.	1.142	1.677E+4	0.434
4970.	1.143	1.677E+4	0.427

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
4971.	1.137	1.678E+4	0.43
4972.	1.136	1.678E+4	0.428
4973.	1.135	1.678E+4	0.428
4974.	1.139	1.678E+4	0.423
4975.	1.137	1.678E+4	0.42
4976.	1.145	1.678E+4	0.428
4977.	1.137	1.678E+4	0.428
4978.	1.141	1.678E+4	0.426
4979.	1.138	1.678E+4	0.428
4980.	1.136	1.678E+4	0.426
4981.	1.137	1.679E+4	0.425
4982.	1.128	1.679E+4	0.421
4983.	1.135	1.679E+4	0.433
4984.	1.142	1.679E+4	0.423
4985.	1.143	1.679E+4	0.427
4986.	1.144	1.679E+4	0.427
4987.	1.136	1.679E+4	0.423
4988.	1.141	1.679E+4	0.43
4989.	1.138	1.679E+4	0.43
4990.	1.14	1.679E+4	0.433
4991.	1.127	1.68E+4	0.432
4992.	1.136	1.68E+4	0.431
4993.	1.141	1.68E+4	0.419
4994.	1.137	1.68E+4	0.432
4995.	1.14	1.68E+4	0.43
4996.	1.14	1.68E+4	0.427
4997.	1.148	1.68E+4	0.437
4998.	1.135	1.68E+4	0.427
4999.	1.137	1.68E+4	0.43
5000.	1.137	1.68E+4	0.435
5001.	1.143	1.681E+4	0.425
5002.	1.132	1.681E+4	0.43
5003.	1.132	1.681E+4	0.442
5004.	1.138	1.681E+4	0.427
5005.	1.137	1.681E+4	0.428
5006.	1.137	1.681E+4	0.434
5007.	1.144	1.681E+4	0.43
5008.	1.145	1.681E+4	0.418
5009.	1.136	1.681E+4	0.43
5010.	1.131	1.681E+4	0.43
5011.	1.139	1.682E+4	0.432
5012.	1.132	1.682E+4	0.43
5013.	1.139	1.682E+4	0.421
5014.	1.139	1.682E+4	0.433
5015.	1.141	1.682E+4	0.427
5016.	1.128	1.682E+4	0.432
5017.	1.139	1.682E+4	0.431
5018.	1.143	1.682E+4	0.432
5019.	1.141	1.682E+4	0.423
5020.	1.14	1.682E+4	0.425
5021.	1.139	1.683E+4	0.432
5022.	1.134	1.683E+4	0.428
5023.	1.13	1.683E+4	0.43
5024.	1.134	1.683E+4	0.431
5025.	1.136	1.683E+4	0.431

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5026.	1.132	1.683E+4	0.432
5027.	1.13	1.683E+4	0.434
5028.	1.131	1.683E+4	0.438
5029.	1.133	1.683E+4	0.428
5030.	1.141	1.683E+4	0.425
5031.	1.141	1.684E+4	0.43
5032.	1.139	1.684E+4	0.43
5033.	1.135	1.684E+4	0.436
5034.	1.135	1.684E+4	0.419
5035.	1.139	1.684E+4	0.425
5036.	1.131	1.684E+4	0.43
5037.	1.16	1.684E+4	0.425
5038.	1.134	1.684E+4	0.423
5039.	1.136	1.684E+4	0.433
5040.	1.141	1.684E+4	0.422
5041.	1.136	1.685E+4	0.419
5042.	1.134	1.685E+4	0.423
5043.	1.132	1.685E+4	0.432
5044.	1.138	1.685E+4	0.425
5045.	1.124	1.685E+4	0.433
5046.	1.133	1.685E+4	0.436
5047.	1.136	1.685E+4	0.428
5048.	1.141	1.685E+4	0.433
5049.	1.138	1.685E+4	0.432
5050.	1.134	1.685E+4	0.428
5051.	1.135	1.686E+4	0.433
5052.	1.138	1.686E+4	0.436
5053.	1.141	1.686E+4	0.432
5054.	1.137	1.686E+4	0.446
5055.	1.13	1.686E+4	0.431
5056.	1.137	1.686E+4	0.419
5057.	1.125	1.686E+4	0.428
5058.	1.136	1.686E+4	0.435
5059.	1.132	1.686E+4	0.428
5060.	1.134	1.686E+4	0.433
5061.	1.131	1.687E+4	0.434
5062.	1.136	1.687E+4	0.436
5063.	1.133	1.687E+4	0.434
5064.	1.132	1.687E+4	0.427
5065.	1.129	1.687E+4	0.434
5066.	1.131	1.687E+4	0.43
5067.	1.14	1.687E+4	0.428
5068.	1.132	1.687E+4	0.428
5069.	1.13	1.687E+4	0.427
5070.	1.136	1.687E+4	0.428
5071.	1.133	1.688E+4	0.428
5072.	1.128	1.688E+4	0.43
5073.	1.127	1.688E+4	0.433
5074.	1.135	1.688E+4	0.425
5075.	1.125	1.688E+4	0.426
5076.	1.134	1.688E+4	0.43
5077.	1.129	1.688E+4	0.436
5078.	1.127	1.688E+4	0.432
5079.	1.136	1.688E+4	0.43
5080.	1.132	1.688E+4	0.422

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5081.	1.135	1.689E+4	0.417
5082.	1.137	1.689E+4	0.43
5083.	1.127	1.689E+4	0.427
5084.	1.13	1.689E+4	0.425
5085.	1.136	1.689E+4	0.427
5086.	1.132	1.689E+4	0.428
5087.	1.132	1.689E+4	0.428
5088.	1.13	1.689E+4	0.435
5089.	1.129	1.689E+4	0.421
5090.	1.13	1.689E+4	0.433
5091.	1.127	1.69E+4	0.432
5092.	1.129	1.69E+4	0.43
5093.	1.129	1.69E+4	0.434
5094.	1.136	1.69E+4	0.423
5095.	1.129	1.69E+4	0.425
5096.	1.132	1.69E+4	0.427
5097.	1.132	1.69E+4	0.43
5098.	1.132	1.69E+4	0.425
5099.	1.129	1.69E+4	0.428
5100.	1.132	1.69E+4	0.433
5101.	1.132	1.691E+4	0.419
5102.	1.129	1.691E+4	0.423
5103.	1.128	1.691E+4	0.428
5104.	1.125	1.691E+4	0.417
5105.	1.127	1.691E+4	0.421
5106.	1.128	1.691E+4	0.433
5107.	1.132	1.691E+4	0.43
5108.	1.13	1.691E+4	0.428
5109.	1.12	1.691E+4	0.419
5110.	1.132	1.691E+4	0.412
5111.	1.136	1.692E+4	0.425
5112.	1.135	1.692E+4	0.425
5113.	1.124	1.692E+4	0.43
5114.	1.135	1.692E+4	0.42
5115.	1.129	1.692E+4	0.425
5116.	1.13	1.692E+4	0.425
5117.	1.134	1.692E+4	0.417
5118.	1.125	1.692E+4	0.428
5119.	1.124	1.692E+4	0.424
5120.	1.13	1.692E+4	0.428
5121.	1.13	1.693E+4	0.425
5122.	1.128	1.693E+4	0.427
5123.	1.125	1.693E+4	0.425
5124.	1.131	1.693E+4	0.418
5125.	1.121	1.693E+4	0.427
5126.	1.134	1.693E+4	0.417
5127.	1.127	1.693E+4	0.427
5128.	1.134	1.693E+4	0.428
5129.	1.127	1.693E+4	0.414
5130.	1.132	1.693E+4	0.423
5131.	1.125	1.694E+4	0.419
5132.	1.128	1.694E+4	0.422
5133.	1.12	1.694E+4	0.419
5134.	1.128	1.694E+4	0.419
5135.	1.128	1.694E+4	0.431

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5136.	1.128	1.694E+4	0.427
5137.	1.13	1.694E+4	0.419
5138.	1.125	1.694E+4	0.419
5139.	1.121	1.694E+4	0.423
5140.	1.127	1.694E+4	0.424
5141.	1.125	1.695E+4	0.419
5142.	1.13	1.695E+4	0.425
5143.	1.13	1.695E+4	0.422
5144.	1.127	1.695E+4	0.428
5145.	1.127	1.695E+4	0.414
5146.	1.123	1.695E+4	0.424
5147.	1.145	1.695E+4	0.415
5148.	1.124	1.695E+4	0.426
5149.	1.13	1.695E+4	0.428
5150.	1.136	1.695E+4	0.421
5151.	1.127	1.696E+4	0.419
5152.	1.127	1.696E+4	0.426
5153.	1.118	1.696E+4	0.421
5154.	1.13	1.696E+4	0.423
5155.	1.129	1.696E+4	0.427
5156.	1.127	1.696E+4	0.423
5157.	1.125	1.696E+4	0.426
5158.	1.124	1.696E+4	0.421
5159.	1.125	1.696E+4	0.422
5160.	1.13	1.696E+4	0.434
5161.	1.128	1.697E+4	0.427
5162.	1.128	1.697E+4	0.419
5163.	1.127	1.697E+4	0.446
5164.	1.124	1.697E+4	0.425
5165.	1.125	1.697E+4	0.425
5166.	1.128	1.697E+4	0.425
5167.	1.13	1.697E+4	0.425
5168.	1.123	1.697E+4	0.425
5169.	1.123	1.697E+4	0.418
5170.	1.125	1.697E+4	0.418
5171.	1.125	1.698E+4	0.418
5172.	1.123	1.698E+4	0.418
5173.	1.127	1.698E+4	0.423
5174.	1.121	1.698E+4	0.425
5175.	1.123	1.698E+4	0.419
5176.	1.117	1.698E+4	0.423
5177.	1.127	1.698E+4	0.414
5178.	1.125	1.698E+4	0.428
5179.	1.119	1.698E+4	0.425
5180.	1.122	1.698E+4	0.421
5181.	1.123	1.699E+4	0.431
5182.	1.114	1.699E+4	0.425
5183.	1.125	1.699E+4	0.425
5184.	1.124	1.699E+4	0.427
5185.	1.125	1.699E+4	0.423
5186.	1.118	1.699E+4	0.423
5187.	1.128	1.699E+4	0.428
5188.	1.116	1.699E+4	0.416
5189.	1.133	1.699E+4	0.425
5190.	1.119	1.699E+4	0.414

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5191.	1.127	1.7E+4	0.424
5192.	1.127	1.7E+4	0.42
5193.	1.118	1.7E+4	0.418
5194.	1.127	1.7E+4	0.414
5195.	1.12	1.7E+4	0.419
5196.	1.13	1.7E+4	0.427
5197.	1.12	1.7E+4	0.422
5198.	1.121	1.7E+4	0.423
5199.	1.12	1.7E+4	0.421
5200.	1.123	1.7E+4	0.428
5201.	1.118	1.701E+4	0.419
5202.	1.123	1.701E+4	0.422
5203.	1.133	1.701E+4	0.427
5204.	1.127	1.701E+4	0.419
5205.	1.122	1.701E+4	0.424
5206.	1.125	1.701E+4	0.427
5207.	1.122	1.701E+4	0.425
5208.	1.119	1.701E+4	0.419
5209.	1.125	1.701E+4	0.427
5210.	1.123	1.701E+4	0.419
5211.	1.118	1.702E+4	0.419
5212.	1.124	1.702E+4	0.423
5213.	1.123	1.702E+4	0.428
5214.	1.117	1.702E+4	0.419
5215.	1.128	1.702E+4	0.423
5216.	1.127	1.702E+4	0.425
5217.	1.121	1.702E+4	0.422
5218.	1.116	1.702E+4	0.427
5219.	1.118	1.702E+4	0.422
5220.	1.124	1.702E+4	0.421
5221.	1.123	1.703E+4	0.419
5222.	1.119	1.703E+4	0.421
5223.	1.116	1.703E+4	0.425
5224.	1.119	1.703E+4	0.424
5225.	1.114	1.703E+4	0.419
5226.	1.119	1.703E+4	0.419
5227.	1.123	1.703E+4	0.425
5228.	1.11	1.703E+4	0.421
5229.	1.122	1.703E+4	0.418
5230.	1.119	1.703E+4	0.427
5231.	1.117	1.704E+4	0.425
5232.	1.116	1.704E+4	0.423
5233.	1.123	1.704E+4	0.424
5234.	1.118	1.704E+4	0.421
5235.	1.125	1.704E+4	0.422
5236.	1.123	1.704E+4	0.419
5237.	1.116	1.704E+4	0.401
5238.	1.125	1.704E+4	0.416
5239.	1.125	1.704E+4	0.419
5240.	1.118	1.704E+4	0.418
5241.	1.117	1.705E+4	0.421
5242.	1.119	1.705E+4	0.417
5243.	1.12	1.705E+4	0.424
5244.	1.119	1.705E+4	0.42
5245.	1.119	1.705E+4	0.415

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5246.	1.123	1.705E+4	0.42
5247.	1.117	1.705E+4	0.418
5248.	1.123	1.705E+4	0.41
5249.	1.112	1.705E+4	0.421
5250.	1.127	1.705E+4	0.421
5251.	1.124	1.706E+4	0.428
5252.	1.113	1.706E+4	0.428
5253.	1.117	1.706E+4	0.416
5254.	1.116	1.706E+4	0.421
5255.	1.12	1.706E+4	0.423
5256.	1.119	1.706E+4	0.423
5257.	1.115	1.706E+4	0.418
5258.	1.123	1.706E+4	0.421
5259.	1.113	1.706E+4	0.424
5260.	1.107	1.706E+4	0.421
5261.	1.087	1.707E+4	0.423
5262.	1.101	1.707E+4	0.421
5263.	1.107	1.707E+4	0.424
5264.	1.119	1.707E+4	0.421
5265.	1.115	1.707E+4	0.418
5266.	1.118	1.707E+4	0.414
5267.	1.112	1.707E+4	0.418
5268.	1.109	1.707E+4	0.408
5269.	1.119	1.707E+4	0.428
5270.	1.119	1.707E+4	0.424
5271.	1.116	1.708E+4	0.426
5272.	1.121	1.708E+4	0.423
5273.	1.114	1.708E+4	0.417
5274.	1.114	1.708E+4	0.421
5275.	1.114	1.708E+4	0.422
5276.	1.107	1.708E+4	0.415
5277.	1.107	1.708E+4	0.419
5278.	1.115	1.708E+4	0.417
5279.	1.116	1.708E+4	0.418
5280.	1.119	1.708E+4	0.424
5281.	1.118	1.709E+4	0.413
5282.	1.114	1.709E+4	0.42
5283.	1.113	1.709E+4	0.419
5284.	1.119	1.709E+4	0.418
5285.	1.112	1.709E+4	0.419
5286.	1.111	1.709E+4	0.419
5287.	1.117	1.709E+4	0.419
5288.	1.12	1.709E+4	0.416
5289.	1.121	1.709E+4	0.427
5290.	1.118	1.709E+4	0.414
5291.	1.104	1.71E+4	0.418
5292.	1.123	1.71E+4	0.419
5293.	1.118	1.71E+4	0.421
5294.	1.127	1.71E+4	0.426
5295.	1.114	1.71E+4	0.414
5296.	1.108	1.71E+4	0.417
5297.	1.113	1.71E+4	0.416
5298.	1.116	1.71E+4	0.422
5299.	1.116	1.71E+4	0.428
5300.	1.116	1.71E+4	0.419

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5301.	1.112	1.711E+4	0.417
5302.	1.107	1.711E+4	0.419
5303.	1.117	1.711E+4	0.418
5304.	1.103	1.711E+4	0.412
5305.	1.117	1.711E+4	0.417
5306.	1.115	1.711E+4	0.416
5307.	1.112	1.711E+4	0.418
5308.	1.111	1.711E+4	0.411
5309.	1.15	1.711E+4	0.41
5310.	1.09	1.711E+4	0.416
5311.	1.087	1.712E+4	0.418
5312.	1.096	1.712E+4	0.419
5313.	1.136	1.712E+4	0.418
5314.	1.121	1.712E+4	0.417
5315.	1.132	1.712E+4	0.418
5316.	1.119	1.712E+4	0.422
5317.	1.123	1.712E+4	0.414
5318.	1.119	1.712E+4	0.425
5319.	1.117	1.712E+4	0.413
5320.	1.121	1.712E+4	0.414
5321.	1.116	1.713E+4	0.416
5322.	1.115	1.713E+4	0.415
5323.	1.116	1.713E+4	0.419
5324.	1.123	1.713E+4	0.415
5325.	1.115	1.713E+4	0.41
5326.	1.116	1.713E+4	0.417
5327.	1.113	1.713E+4	0.414
5328.	1.113	1.713E+4	0.413
5329.	1.114	1.713E+4	0.418
5330.	1.121	1.713E+4	0.415
5331.	1.114	1.714E+4	0.419
5332.	1.116	1.714E+4	0.414
5333.	1.109	1.714E+4	0.408
5334.	1.123	1.714E+4	0.413
5335.	1.114	1.714E+4	0.419
5336.	1.112	1.714E+4	0.411
5337.	1.116	1.714E+4	0.412
5338.	1.117	1.714E+4	0.418
5339.	1.117	1.714E+4	0.417
5340.	1.112	1.714E+4	0.412
5341.	1.105	1.715E+4	0.419
5342.	1.111	1.715E+4	0.419
5343.	1.119	1.715E+4	0.417
5344.	1.116	1.715E+4	0.413
5345.	1.117	1.715E+4	0.416
5346.	1.117	1.715E+4	0.413
5347.	1.114	1.715E+4	0.388
5348.	1.108	1.715E+4	0.415
5349.	1.114	1.715E+4	0.419
5350.	1.119	1.715E+4	0.412
5351.	1.116	1.716E+4	0.418
5352.	1.117	1.716E+4	0.414
5353.	1.11	1.716E+4	0.415
5354.	1.116	1.716E+4	0.41
5355.	1.113	1.716E+4	0.417

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5356.	1.117	1.716E+4	0.416
5357.	1.121	1.716E+4	0.419
5358.	1.115	1.716E+4	0.408
5359.	1.117	1.716E+4	0.417
5360.	1.125	1.716E+4	0.415
5361.	1.114	1.717E+4	0.419
5362.	1.114	1.717E+4	0.416
5363.	1.108	1.717E+4	0.41
5364.	1.116	1.717E+4	0.421
5365.	1.112	1.717E+4	0.424
5366.	1.116	1.717E+4	0.412
5367.	1.116	1.717E+4	0.408
5368.	1.11	1.717E+4	0.418
5369.	1.11	1.717E+4	0.417
5370.	1.121	1.717E+4	0.418
5371.	1.121	1.718E+4	0.412
5372.	1.121	1.718E+4	0.418
5373.	1.12	1.718E+4	0.41
5374.	1.112	1.718E+4	0.422
5375.	1.114	1.718E+4	0.419
5376.	1.119	1.718E+4	0.403
5377.	1.114	1.718E+4	0.413
5378.	1.115	1.718E+4	0.419
5379.	1.11	1.718E+4	0.417
5380.	1.117	1.718E+4	0.422
5381.	1.114	1.719E+4	0.396
5382.	1.116	1.719E+4	0.408
5383.	1.121	1.719E+4	0.399
5384.	1.119	1.719E+4	0.414
5385.	1.119	1.719E+4	0.419
5386.	1.114	1.719E+4	0.408
5387.	1.116	1.719E+4	0.418
5388.	1.117	1.719E+4	0.413
5389.	1.115	1.719E+4	0.418
5390.	1.114	1.719E+4	0.428
5391.	1.107	1.72E+4	0.411
5392.	1.114	1.72E+4	0.414
5393.	1.116	1.72E+4	0.416
5394.	1.116	1.72E+4	0.415
5395.	1.116	1.72E+4	0.434
5396.	1.11	1.72E+4	0.411
5397.	1.116	1.72E+4	0.416
5398.	1.117	1.72E+4	0.418
5399.	1.112	1.72E+4	0.419
5400.	1.114	1.72E+4	0.403
5401.	1.116	1.721E+4	0.413
5402.	1.123	1.721E+4	0.415
5403.	1.114	1.721E+4	0.41
5404.	1.108	1.721E+4	0.416
5405.	1.116	1.721E+4	0.414
5406.	1.116	1.721E+4	0.412
5407.	1.11	1.721E+4	0.413
5408.	1.114	1.721E+4	0.411
5409.	1.108	1.721E+4	0.413
5410.	1.115	1.721E+4	0.406

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5411.	1.114	1.722E+4	0.414
5412.	1.105	1.722E+4	0.411
5413.	1.117	1.722E+4	0.419
5414.	1.11	1.722E+4	0.415
5415.	1.114	1.722E+4	0.411
5416.	1.112	1.722E+4	0.412
5417.	1.11	1.722E+4	0.416
5418.	1.112	1.722E+4	0.419
5419.	1.112	1.722E+4	0.41
5420.	1.107	1.722E+4	0.412
5421.	1.116	1.723E+4	0.417
5422.	1.112	1.723E+4	0.408
5423.	1.121	1.723E+4	0.411
5424.	1.108	1.723E+4	0.397
5425.	1.112	1.723E+4	0.41
5426.	1.107	1.723E+4	0.403
5427.	1.105	1.723E+4	0.404
5428.	1.116	1.723E+4	0.399
5429.	1.107	1.723E+4	0.405
5430.	1.108	1.723E+4	0.41
5431.	1.107	1.724E+4	0.41
5432.	1.105	1.724E+4	0.408
5433.	1.117	1.724E+4	0.406
5434.	1.117	1.724E+4	0.405
5435.	1.103	1.724E+4	0.405
5436.	1.108	1.724E+4	0.407
5437.	1.11	1.724E+4	0.401
5438.	1.087	1.724E+4	0.408
5439.	1.107	1.724E+4	0.401
5440.	1.116	1.724E+4	0.408
5441.	1.108	1.725E+4	0.399
5442.	1.107	1.725E+4	0.415
5443.	1.108	1.725E+4	0.413
5444.	1.11	1.725E+4	0.404
5445.	1.112	1.725E+4	0.399
5446.	1.119	1.725E+4	0.404
5447.	1.108	1.725E+4	0.406
5448.	1.105	1.725E+4	0.416
5449.	1.108	1.725E+4	0.399
5450.	1.107	1.725E+4	0.408
5451.	1.11	1.726E+4	0.4
5452.	1.112	1.726E+4	0.408
5453.	1.11	1.726E+4	0.401
5454.	1.124	1.726E+4	0.408
5455.	1.116	1.726E+4	0.41
5456.	1.105	1.726E+4	0.408
5457.	1.108	1.726E+4	0.407
5458.	1.105	1.726E+4	0.403
5459.	1.108	1.726E+4	0.408
5460.	1.105	1.726E+4	0.407
5461.	1.11	1.727E+4	0.403
5462.	1.103	1.727E+4	0.406
5463.	1.11	1.727E+4	0.408
5464.	1.11	1.727E+4	0.399
5465.	1.103	1.727E+4	0.401

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5466.	1.111	1.727E+4	0.394
5467.	1.112	1.727E+4	0.412
5468.	1.116	1.727E+4	0.407
5469.	1.11	1.727E+4	0.417
5470.	1.117	1.727E+4	0.41
5471.	1.114	1.728E+4	0.43
5472.	1.11	1.728E+4	0.415
5473.	1.108	1.728E+4	0.399
5474.	1.099	1.728E+4	0.405
5475.	1.114	1.728E+4	0.415
5476.	1.101	1.728E+4	0.41
5477.	1.108	1.728E+4	0.399
5478.	1.112	1.728E+4	0.406
5479.	1.114	1.728E+4	0.413
5480.	1.107	1.728E+4	0.404
5481.	1.105	1.729E+4	0.407
5482.	1.114	1.729E+4	0.406
5483.	1.105	1.729E+4	0.402
5484.	1.116	1.729E+4	0.399
5485.	1.099	1.729E+4	0.401
5486.	1.107	1.729E+4	0.408
5487.	1.103	1.729E+4	0.404
5488.	1.107	1.729E+4	0.408
5489.	1.107	1.729E+4	0.403
5490.	1.105	1.729E+4	0.407
5491.	1.108	1.73E+4	0.408
5492.	1.103	1.73E+4	0.41
5493.	1.105	1.73E+4	0.4
5494.	1.105	1.73E+4	0.405
5495.	1.103	1.73E+4	0.401
5496.	1.099	1.73E+4	0.403
5497.	1.11	1.73E+4	0.403
5498.	1.101	1.73E+4	0.404
5499.	1.101	1.73E+4	0.395
5500.	1.105	1.73E+4	0.414
5501.	1.108	1.731E+4	0.402
5502.	1.101	1.731E+4	0.407
5503.	1.103	1.731E+4	0.399
5504.	1.103	1.731E+4	0.398
5505.	1.101	1.731E+4	0.408
5506.	1.107	1.731E+4	0.399
5507.	1.108	1.731E+4	0.406
5508.	1.103	1.731E+4	0.398
5509.	1.11	1.731E+4	0.405
5510.	1.112	1.731E+4	0.403
5511.	1.107	1.732E+4	0.399
5512.	1.097	1.732E+4	0.404
5513.	1.101	1.732E+4	0.399
5514.	1.108	1.732E+4	0.407
5515.	1.101	1.732E+4	0.406
5516.	1.105	1.732E+4	0.403
5517.	1.105	1.732E+4	0.41
5518.	1.101	1.732E+4	0.399
5519.	1.101	1.732E+4	0.401
5520.	1.101	1.732E+4	0.402

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5521.	1.104	1.733E+4	0.399
5522.	1.107	1.733E+4	0.407
5523.	1.103	1.733E+4	0.411
5524.	1.11	1.733E+4	0.405
5525.	1.107	1.733E+4	0.405
5526.	1.108	1.733E+4	0.403
5527.	1.109	1.733E+4	0.397
5528.	1.097	1.733E+4	0.404
5529.	1.092	1.733E+4	0.398
5530.	1.092	1.733E+4	0.403
5531.	1.094	1.734E+4	0.399
5532.	1.092	1.734E+4	0.399
5533.	1.101	1.734E+4	0.399
5534.	1.096	1.734E+4	0.4
5535.	1.097	1.734E+4	0.399
5536.	1.101	1.734E+4	0.402
5537.	1.094	1.734E+4	0.41
5538.	1.096	1.734E+4	0.39
5539.	1.096	1.734E+4	0.399
5540.	1.092	1.734E+4	0.391
5541.	1.099	1.735E+4	0.4
5542.	1.107	1.735E+4	0.401
5543.	1.097	1.735E+4	0.406
5544.	1.094	1.735E+4	0.403
5545.	1.096	1.735E+4	0.41
5546.	1.092	1.735E+4	0.402
5547.	1.092	1.735E+4	0.404
5548.	1.092	1.735E+4	0.403
5549.	1.094	1.735E+4	0.399
5550.	1.103	1.735E+4	0.398
5551.	1.09	1.736E+4	0.399
5552.	1.094	1.736E+4	0.4
5553.	1.094	1.736E+4	0.397
5554.	1.101	1.736E+4	0.396
5555.	1.092	1.736E+4	0.404
5556.	1.097	1.736E+4	0.399
5557.	1.088	1.736E+4	0.399
5558.	1.088	1.736E+4	0.399
5559.	1.092	1.736E+4	0.413
5560.	1.096	1.736E+4	0.395
5561.	1.096	1.737E+4	0.398
5562.	1.087	1.737E+4	0.39
5563.	1.092	1.737E+4	0.404
5564.	1.099	1.737E+4	0.407
5565.	1.096	1.737E+4	0.399
5566.	1.09	1.737E+4	0.404
5567.	1.088	1.737E+4	0.403
5568.	1.088	1.737E+4	0.399
5569.	1.087	1.737E+4	0.398
5570.	1.096	1.737E+4	0.399
5571.	1.097	1.738E+4	0.408
5572.	1.095	1.738E+4	0.397
5573.	1.085	1.738E+4	0.402
5574.	1.094	1.738E+4	0.39
5575.	1.085	1.738E+4	0.395

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5576.	1.083	1.738E+4	0.398
5577.	1.09	1.738E+4	0.401
5578.	1.09	1.738E+4	0.41
5579.	1.097	1.738E+4	0.399
5580.	1.09	1.738E+4	0.399
5581.	1.092	1.739E+4	0.391
5582.	1.088	1.739E+4	0.398
5583.	1.094	1.739E+4	0.396
5584.	1.085	1.739E+4	0.403
5585.	1.092	1.739E+4	0.394
5586.	1.088	1.739E+4	0.39
5587.	1.081	1.739E+4	0.399
5588.	1.087	1.739E+4	0.4
5589.	1.092	1.739E+4	0.399
5590.	1.088	1.739E+4	0.395
5591.	1.087	1.74E+4	0.398
5592.	1.096	1.74E+4	0.403
5593.	1.081	1.74E+4	0.402
5594.	1.094	1.74E+4	0.397
5595.	1.083	1.74E+4	0.408
5596.	1.09	1.74E+4	0.403
5597.	1.096	1.74E+4	0.394
5598.	1.09	1.74E+4	0.407
5599.	1.072	1.74E+4	0.4
5600.	1.087	1.74E+4	0.396
5601.	1.087	1.741E+4	0.401
5602.	1.09	1.741E+4	0.407
5603.	1.092	1.741E+4	0.403
5604.	1.09	1.741E+4	0.41
5605.	1.097	1.741E+4	0.406
5606.	1.088	1.741E+4	0.403
5607.	1.088	1.741E+4	0.393
5608.	1.081	1.741E+4	0.402
5609.	1.094	1.741E+4	0.394
5610.	1.092	1.741E+4	0.408
5611.	1.088	1.742E+4	0.402
5612.	1.092	1.742E+4	0.406
5613.	1.085	1.742E+4	0.401
5614.	1.088	1.742E+4	0.402
5615.	1.09	1.742E+4	0.396
5616.	1.088	1.742E+4	0.398
5617.	1.092	1.742E+4	0.402
5618.	1.09	1.742E+4	0.403
5619.	1.09	1.742E+4	0.41
5620.	1.099	1.742E+4	0.402
5621.	1.094	1.743E+4	0.403
5622.	1.081	1.743E+4	0.406
5623.	1.079	1.743E+4	0.406
5624.	1.088	1.743E+4	0.408
5625.	1.087	1.743E+4	0.405
5626.	1.094	1.743E+4	0.404
5627.	1.085	1.743E+4	0.396
5628.	1.094	1.743E+4	0.416
5629.	1.084	1.743E+4	0.405
5630.	1.087	1.743E+4	0.399

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5631.	1.088	1.744E+4	0.402
5632.	1.091	1.744E+4	0.398
5633.	1.065	1.744E+4	0.398
5634.	1.096	1.744E+4	0.4
5635.	1.085	1.744E+4	0.405
5636.	1.097	1.744E+4	0.406
5637.	1.087	1.744E+4	0.394
5638.	1.085	1.744E+4	0.404
5639.	1.09	1.744E+4	0.403
5640.	1.085	1.744E+4	0.403
5641.	1.088	1.745E+4	0.402
5642.	1.092	1.745E+4	0.401
5643.	1.087	1.745E+4	0.404
5644.	1.09	1.745E+4	0.406
5645.	1.085	1.745E+4	0.406
5646.	1.083	1.745E+4	0.397
5647.	1.087	1.745E+4	0.399
5648.	1.087	1.745E+4	0.404
5649.	1.079	1.745E+4	0.402
5650.	1.088	1.745E+4	0.399
5651.	1.084	1.746E+4	0.399
5652.	1.087	1.746E+4	0.401
5653.	1.094	1.746E+4	0.397
5654.	1.09	1.746E+4	0.402
5655.	1.081	1.746E+4	0.402
5656.	1.081	1.746E+4	0.405
5657.	1.088	1.746E+4	0.396
5658.	1.081	1.746E+4	0.396
5659.	1.1	1.746E+4	0.403
5660.	1.083	1.746E+4	0.399
5661.	1.083	1.747E+4	0.403
5662.	1.08	1.747E+4	0.4
5663.	1.076	1.747E+4	0.399
5664.	1.085	1.747E+4	0.393
5665.	1.09	1.747E+4	0.399
5666.	1.088	1.747E+4	0.403
5667.	1.085	1.747E+4	0.395
5668.	1.088	1.747E+4	0.404
5669.	1.085	1.747E+4	0.395
5670.	1.087	1.747E+4	0.393
5671.	1.081	1.748E+4	0.398
5672.	1.088	1.748E+4	0.388
5673.	1.081	1.748E+4	0.404
5674.	1.087	1.748E+4	0.392
5675.	1.083	1.748E+4	0.404
5676.	1.074	1.748E+4	0.402
5677.	1.081	1.748E+4	0.399
5678.	1.085	1.748E+4	0.397
5679.	1.085	1.748E+4	0.397
5680.	1.085	1.748E+4	0.397
5681.	1.079	1.749E+4	0.396
5682.	1.085	1.749E+4	0.403
5683.	1.076	1.749E+4	0.407
5684.	1.081	1.749E+4	0.402
5685.	1.085	1.749E+4	0.401

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5686.	1.072	1.749E+4	0.396
5687.	1.079	1.749E+4	0.399
5688.	1.077	1.749E+4	0.403
5689.	1.085	1.749E+4	0.394
5690.	1.085	1.749E+4	0.408
5691.	1.084	1.75E+4	0.4
5692.	1.085	1.75E+4	0.393
5693.	1.079	1.75E+4	0.404
5694.	1.083	1.75E+4	0.398
5695.	1.088	1.75E+4	0.399
5696.	1.081	1.75E+4	0.425
5697.	1.079	1.75E+4	0.408
5698.	1.083	1.75E+4	0.399
5699.	1.087	1.75E+4	0.4
5700.	1.076	1.75E+4	0.398
5701.	1.074	1.751E+4	0.395
5702.	1.077	1.751E+4	0.399
5703.	1.081	1.751E+4	0.395
5704.	1.08	1.751E+4	0.399
5705.	1.083	1.751E+4	0.392
5706.	1.077	1.751E+4	0.405
5707.	1.079	1.751E+4	0.406
5708.	1.09	1.751E+4	0.398
5709.	1.081	1.751E+4	0.402
5710.	1.087	1.751E+4	0.394
5711.	1.074	1.752E+4	0.397
5712.	1.076	1.752E+4	0.39
5713.	1.083	1.752E+4	0.394
5714.	1.083	1.752E+4	0.399
5715.	1.079	1.752E+4	0.396
5716.	1.081	1.752E+4	0.391
5717.	1.072	1.752E+4	0.392
5718.	1.083	1.752E+4	0.393
5719.	1.076	1.752E+4	0.399
5720.	1.079	1.752E+4	0.394
5721.	1.083	1.753E+4	0.39
5722.	1.077	1.753E+4	0.39
5723.	1.081	1.753E+4	0.388
5724.	1.079	1.753E+4	0.397
5725.	1.081	1.753E+4	0.405
5726.	1.064	1.753E+4	0.397
5727.	1.083	1.753E+4	0.399
5728.	1.079	1.753E+4	0.394
5729.	1.084	1.753E+4	0.396
5730.	1.079	1.753E+4	0.392
5731.	1.076	1.754E+4	0.385
5732.	1.087	1.754E+4	0.394
5733.	1.09	1.754E+4	0.399
5734.	1.088	1.754E+4	0.4
5735.	1.087	1.754E+4	0.395
5736.	1.077	1.754E+4	0.402
5737.	1.08	1.754E+4	0.399
5738.	1.079	1.754E+4	0.395
5739.	1.083	1.754E+4	0.403
5740.	1.079	1.754E+4	0.401

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5741.	1.077	1.755E+4	0.398
5742.	1.079	1.755E+4	0.399
5743.	1.079	1.755E+4	0.399
5744.	1.068	1.755E+4	0.395
5745.	1.072	1.755E+4	0.399
5746.	1.081	1.755E+4	0.391
5747.	1.074	1.755E+4	0.397
5748.	1.077	1.755E+4	0.422
5749.	1.07	1.755E+4	0.397
5750.	1.081	1.755E+4	0.39
5751.	1.072	1.756E+4	0.391
5752.	1.074	1.756E+4	0.394
5753.	1.077	1.756E+4	0.4
5754.	1.076	1.756E+4	0.403
5755.	1.076	1.756E+4	0.395
5756.	1.077	1.756E+4	0.394
5757.	1.07	1.756E+4	0.399
5758.	1.079	1.756E+4	0.394
5759.	1.077	1.756E+4	0.394
5760.	1.079	1.756E+4	0.393
5761.	1.07	1.757E+4	0.405
5762.	1.076	1.757E+4	0.398
5763.	1.077	1.757E+4	0.394
5764.	1.076	1.757E+4	0.399
5765.	1.083	1.757E+4	0.397
5766.	1.074	1.757E+4	0.396
5767.	1.087	1.757E+4	0.396
5768.	1.081	1.757E+4	0.388
5769.	1.076	1.757E+4	0.399
5770.	1.081	1.757E+4	0.393
5771.	1.079	1.758E+4	0.394
5772.	1.081	1.758E+4	0.399
5773.	1.081	1.758E+4	0.395
5774.	1.079	1.758E+4	0.394
5775.	1.072	1.758E+4	0.387
5776.	1.079	1.758E+4	0.388
5777.	1.077	1.758E+4	0.393
5778.	1.088	1.758E+4	0.386
5779.	1.081	1.758E+4	0.391
5780.	1.077	1.758E+4	0.4
5781.	1.076	1.759E+4	0.39
5782.	1.079	1.759E+4	0.39
5783.	1.079	1.759E+4	0.386
5784.	1.076	1.759E+4	0.391
5785.	1.076	1.759E+4	0.395
5786.	1.081	1.759E+4	0.398
5787.	1.081	1.759E+4	0.39
5788.	1.076	1.759E+4	0.388
5789.	1.076	1.759E+4	0.39
5790.	1.081	1.759E+4	0.389
5791.	1.081	1.76E+4	0.392
5792.	1.077	1.76E+4	0.391
5793.	1.076	1.76E+4	0.388
5794.	1.07	1.76E+4	0.394
5795.	1.077	1.76E+4	0.39

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5796.	1.079	1.76E+4	0.393
5797.	1.074	1.76E+4	0.398
5798.	1.068	1.76E+4	0.39
5799.	1.084	1.76E+4	0.397
5800.	1.079	1.76E+4	0.392
5801.	1.074	1.761E+4	0.395
5802.	1.077	1.761E+4	0.395
5803.	1.074	1.761E+4	0.391
5804.	1.072	1.761E+4	0.395
5805.	1.081	1.761E+4	0.384
5806.	1.077	1.761E+4	0.39
5807.	1.079	1.761E+4	0.391
5808.	1.074	1.761E+4	0.388
5809.	1.079	1.761E+4	0.384
5810.	1.079	1.761E+4	0.39
5811.	1.077	1.762E+4	0.388
5812.	1.074	1.762E+4	0.393
5813.	1.07	1.762E+4	0.397
5814.	1.072	1.762E+4	0.394
5815.	1.074	1.762E+4	0.388
5816.	1.07	1.762E+4	0.388
5817.	1.079	1.762E+4	0.382
5818.	1.074	1.762E+4	0.385
5819.	1.072	1.762E+4	0.38
5820.	1.079	1.762E+4	0.394
5821.	1.077	1.763E+4	0.393
5822.	1.074	1.763E+4	0.39
5823.	1.072	1.763E+4	0.388
5824.	1.074	1.763E+4	0.395
5825.	1.076	1.763E+4	0.399
5826.	1.077	1.763E+4	0.385
5827.	1.077	1.763E+4	0.383
5828.	1.074	1.763E+4	0.387
5829.	1.076	1.763E+4	0.4
5830.	1.077	1.763E+4	0.384
5831.	1.074	1.764E+4	0.392
5832.	1.076	1.764E+4	0.383
5833.	1.077	1.764E+4	0.388
5834.	1.07	1.764E+4	0.391
5835.	1.074	1.764E+4	0.388
5836.	1.07	1.764E+4	0.39
5837.	1.074	1.764E+4	0.4
5838.	1.072	1.764E+4	0.393
5839.	1.079	1.764E+4	0.388
5840.	1.076	1.764E+4	0.391
5841.	1.074	1.765E+4	0.39
5842.	1.073	1.765E+4	0.391
5843.	1.072	1.765E+4	0.381
5844.	1.076	1.765E+4	0.393
5845.	1.074	1.765E+4	0.39
5846.	1.076	1.765E+4	0.39
5847.	1.074	1.765E+4	0.391
5848.	1.076	1.765E+4	0.39
5849.	1.074	1.765E+4	0.393
5850.	1.068	1.765E+4	0.392

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5851.	1.065	1.766E+4	0.397
5852.	1.072	1.766E+4	0.395
5853.	1.072	1.766E+4	0.39
5854.	1.07	1.766E+4	0.392
5855.	1.068	1.766E+4	0.398
5856.	1.072	1.766E+4	0.393
5857.	1.072	1.766E+4	0.39
5858.	1.072	1.766E+4	0.391
5859.	1.083	1.766E+4	0.392
5860.	1.067	1.766E+4	0.393
5861.	1.068	1.767E+4	0.39
5862.	1.067	1.767E+4	0.388
5863.	1.067	1.767E+4	0.39
5864.	1.068	1.767E+4	0.399
5865.	1.065	1.767E+4	0.39
5866.	1.063	1.767E+4	0.379
5867.	1.058	1.767E+4	0.39
5868.	1.067	1.767E+4	0.388
5869.	1.07	1.767E+4	0.385
5870.	1.061	1.767E+4	0.388
5871.	1.076	1.768E+4	0.395
5872.	1.077	1.768E+4	0.383
5873.	1.072	1.768E+4	0.39
5874.	1.07	1.768E+4	0.385
5875.	1.07	1.768E+4	0.386
5876.	1.076	1.768E+4	0.39
5877.	1.072	1.768E+4	0.388
5878.	1.068	1.768E+4	0.386
5879.	1.065	1.768E+4	0.381
5880.	1.076	1.768E+4	0.39
5881.	1.076	1.769E+4	0.383
5882.	1.076	1.769E+4	0.387
5883.	1.079	1.769E+4	0.387
5884.	1.07	1.769E+4	0.373
5885.	1.076	1.769E+4	0.39
5886.	1.074	1.769E+4	0.391
5887.	1.074	1.769E+4	0.384
5888.	1.074	1.769E+4	0.382
5889.	1.072	1.769E+4	0.388
5890.	1.072	1.769E+4	0.399
5891.	1.067	1.77E+4	0.391
5892.	1.072	1.77E+4	0.373
5893.	1.068	1.77E+4	0.379
5894.	1.076	1.77E+4	0.382
5895.	1.072	1.77E+4	0.39
5896.	1.074	1.77E+4	0.383
5897.	1.07	1.77E+4	0.391
5898.	1.07	1.77E+4	0.383
5899.	1.071	1.77E+4	0.388
5900.	1.072	1.77E+4	0.393
5901.	1.076	1.771E+4	0.379
5902.	1.07	1.771E+4	0.39
5903.	1.08	1.771E+4	0.385
5904.	1.074	1.771E+4	0.38
5905.	1.077	1.771E+4	0.379

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5906.	1.067	1.771E+4	0.381
5907.	1.072	1.771E+4	0.38
5908.	1.074	1.771E+4	0.395
5909.	1.068	1.771E+4	0.381
5910.	1.074	1.771E+4	0.379
5911.	1.07	1.772E+4	0.384
5912.	1.072	1.772E+4	0.385
5913.	1.047	1.772E+4	0.386
5914.	1.07	1.772E+4	0.383
5915.	1.07	1.772E+4	0.381
5916.	1.067	1.772E+4	0.376
5917.	1.072	1.772E+4	0.383
5918.	1.072	1.772E+4	0.378
5919.	1.058	1.772E+4	0.386
5920.	1.068	1.772E+4	0.386
5921.	1.065	1.773E+4	0.392
5922.	1.072	1.773E+4	0.384
5923.	1.07	1.773E+4	0.391
5924.	1.063	1.773E+4	0.397
5925.	1.065	1.773E+4	0.388
5926.	1.063	1.773E+4	0.383
5927.	1.076	1.773E+4	0.374
5928.	1.067	1.773E+4	0.388
5929.	1.068	1.773E+4	0.382
5930.	1.067	1.773E+4	0.381
5931.	1.065	1.774E+4	0.378
5932.	1.067	1.774E+4	0.39
5933.	1.061	1.774E+4	0.383
5934.	1.061	1.774E+4	0.384
5935.	1.065	1.774E+4	0.375
5936.	1.072	1.774E+4	0.384
5937.	1.067	1.774E+4	0.371
5938.	1.07	1.774E+4	0.386
5939.	1.072	1.774E+4	0.38
5940.	1.067	1.774E+4	0.379
5941.	1.065	1.775E+4	0.386
5942.	1.074	1.775E+4	0.387
5943.	1.066	1.775E+4	0.377
5944.	1.063	1.775E+4	0.382
5945.	1.068	1.775E+4	0.381
5946.	1.068	1.775E+4	0.386
5947.	1.063	1.775E+4	0.388
5948.	1.067	1.775E+4	0.379
5949.	1.067	1.775E+4	0.38
5950.	1.062	1.775E+4	0.391
5951.	1.061	1.776E+4	0.382
5952.	1.068	1.776E+4	0.38
5953.	1.068	1.776E+4	0.378
5954.	1.068	1.776E+4	0.379
5955.	1.07	1.776E+4	0.383
5956.	1.063	1.776E+4	0.383
5957.	1.072	1.776E+4	0.382
5958.	1.065	1.776E+4	0.372
5959.	1.065	1.776E+4	0.388
5960.	1.062	1.776E+4	0.386

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
5961.	1.072	1.777E+4	0.378
5962.	1.063	1.777E+4	0.384
5963.	1.056	1.777E+4	0.379
5964.	1.063	1.777E+4	0.384
5965.	1.065	1.777E+4	0.379
5966.	1.063	1.777E+4	0.385
5967.	1.059	1.777E+4	0.381
5968.	1.061	1.777E+4	0.382
5969.	1.065	1.777E+4	0.376
5970.	1.061	1.777E+4	0.382
5971.	1.061	1.778E+4	0.383
5972.	1.065	1.778E+4	0.38
5973.	1.065	1.778E+4	0.377
5974.	1.072	1.778E+4	0.377
5975.	1.067	1.778E+4	0.386
5976.	1.042	1.778E+4	0.382
5977.	1.07	1.778E+4	0.385
5978.	1.065	1.778E+4	0.386
5979.	1.067	1.778E+4	0.375
5980.	1.065	1.778E+4	0.372
5981.	1.07	1.779E+4	0.384
5982.	1.058	1.779E+4	0.384
5983.	1.061	1.779E+4	0.381
5984.	1.061	1.779E+4	0.381
5985.	1.059	1.779E+4	0.378
5986.	1.061	1.779E+4	0.379
5987.	1.07	1.779E+4	0.38
5988.	1.067	1.779E+4	0.371
5989.	1.065	1.779E+4	0.379
5990.	1.065	1.779E+4	0.383
5991.	1.063	1.78E+4	0.391
5992.	1.059	1.78E+4	0.373
5993.	1.054	1.78E+4	0.383
5994.	1.059	1.78E+4	0.386
5995.	1.061	1.78E+4	0.375
5996.	1.047	1.78E+4	0.383
5997.	1.067	1.78E+4	0.392
5998.	1.063	1.78E+4	0.382
5999.	1.05	1.78E+4	0.388
6000.	1.068	1.78E+4	0.406
6001.	1.061	1.781E+4	0.381
6002.	1.067	1.781E+4	0.379
6003.	1.055	1.781E+4	0.376
6004.	1.068	1.781E+4	0.384
6005.	1.065	1.781E+4	0.383
6006.	1.067	1.781E+4	0.382
6007.	1.067	1.781E+4	0.381
6008.	1.063	1.781E+4	0.386
6009.	1.059	1.781E+4	0.384
6010.	1.058	1.781E+4	0.383
6011.	1.063	1.782E+4	0.38
6012.	1.061	1.782E+4	0.377
6013.	1.07	1.782E+4	0.378
6014.	1.063	1.782E+4	0.382
6015.	1.061	1.782E+4	0.386

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6016.	1.07	1.782E+4	0.385
6017.	1.059	1.782E+4	0.383
6018.	1.058	1.782E+4	0.383
6019.	1.065	1.782E+4	0.371
6020.	1.065	1.782E+4	0.377
6021.	1.067	1.783E+4	0.376
6022.	1.061	1.783E+4	0.385
6023.	1.065	1.783E+4	0.377
6024.	1.065	1.783E+4	0.375
6025.	1.063	1.783E+4	0.377
6026.	1.059	1.783E+4	0.374
6027.	1.063	1.783E+4	0.39
6028.	1.061	1.783E+4	0.386
6029.	1.056	1.783E+4	0.377
6030.	1.065	1.783E+4	0.381
6031.	1.059	1.784E+4	0.373
6032.	1.056	1.784E+4	0.374
6033.	1.061	1.784E+4	0.381
6034.	1.061	1.784E+4	0.384
6035.	1.048	1.784E+4	0.379
6036.	1.056	1.784E+4	0.382
6037.	1.058	1.784E+4	0.388
6038.	1.056	1.784E+4	0.379
6039.	1.05	1.784E+4	0.379
6040.	1.059	1.784E+4	0.384
6041.	1.058	1.785E+4	0.377
6042.	1.059	1.785E+4	0.386
6043.	1.056	1.785E+4	0.375
6044.	1.059	1.785E+4	0.371
6045.	1.05	1.785E+4	0.385
6046.	1.058	1.785E+4	0.388
6047.	1.061	1.785E+4	0.377
6048.	1.061	1.785E+4	0.375
6049.	1.058	1.785E+4	0.38
6050.	1.054	1.785E+4	0.379
6051.	1.058	1.786E+4	0.391
6052.	1.061	1.786E+4	0.386
6053.	1.058	1.786E+4	0.384
6054.	1.05	1.786E+4	0.385
6055.	1.05	1.786E+4	0.379
6056.	1.058	1.786E+4	0.385
6057.	1.063	1.786E+4	0.382
6058.	1.056	1.786E+4	0.382
6059.	1.052	1.786E+4	0.381
6060.	1.061	1.786E+4	0.38
6061.	1.059	1.787E+4	0.38
6062.	1.056	1.787E+4	0.382
6063.	1.061	1.787E+4	0.377
6064.	1.054	1.787E+4	0.38
6065.	1.052	1.787E+4	0.385
6066.	1.053	1.787E+4	0.379
6067.	1.059	1.787E+4	0.383
6068.	1.065	1.787E+4	0.386
6069.	1.054	1.787E+4	0.379
6070.	1.045	1.787E+4	0.379

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6071.	1.058	1.788E+4	0.38
6072.	1.059	1.788E+4	0.378
6073.	1.059	1.788E+4	0.378
6074.	1.052	1.788E+4	0.375
6075.	1.063	1.788E+4	0.374
6076.	1.054	1.788E+4	0.377
6077.	1.065	1.788E+4	0.376
6078.	1.058	1.788E+4	0.378
6079.	1.058	1.788E+4	0.374
6080.	1.054	1.788E+4	0.374
6081.	1.052	1.789E+4	0.373
6082.	1.054	1.789E+4	0.378
6083.	1.058	1.789E+4	0.37
6084.	1.059	1.789E+4	0.379
6085.	1.054	1.789E+4	0.37
6086.	1.054	1.789E+4	0.372
6087.	1.059	1.789E+4	0.374
6088.	1.056	1.789E+4	0.37
6089.	1.059	1.789E+4	0.37
6090.	1.061	1.789E+4	0.378
6091.	1.058	1.79E+4	0.38
6092.	1.06	1.79E+4	0.379
6093.	1.061	1.79E+4	0.374
6094.	1.058	1.79E+4	0.38
6095.	1.056	1.79E+4	0.377
6096.	1.052	1.79E+4	0.374
6097.	1.048	1.79E+4	0.382
6098.	1.056	1.79E+4	0.368
6099.	1.054	1.79E+4	0.379
6100.	1.052	1.79E+4	0.374
6101.	1.052	1.791E+4	0.384
6102.	1.031	1.791E+4	0.377
6103.	1.056	1.791E+4	0.379
6104.	1.054	1.791E+4	0.377
6105.	1.059	1.791E+4	0.38
6106.	1.059	1.791E+4	0.378
6107.	1.054	1.791E+4	0.373
6108.	1.05	1.791E+4	0.372
6109.	1.056	1.791E+4	0.373
6110.	1.054	1.791E+4	0.37
6111.	1.059	1.792E+4	0.372
6112.	1.048	1.792E+4	0.377
6113.	1.047	1.792E+4	0.372
6114.	1.054	1.792E+4	0.377
6115.	1.059	1.792E+4	0.373
6116.	1.058	1.792E+4	0.378
6117.	1.047	1.792E+4	0.378
6118.	1.056	1.792E+4	0.372
6119.	1.056	1.792E+4	0.374
6120.	1.054	1.792E+4	0.376
6121.	1.05	1.793E+4	0.371
6122.	1.063	1.793E+4	0.38
6123.	1.056	1.793E+4	0.382
6124.	1.058	1.793E+4	0.37
6125.	1.056	1.793E+4	0.372

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6126.	1.052	1.793E+4	0.37
6127.	1.054	1.793E+4	0.375
6128.	1.063	1.793E+4	0.39
6129.	1.061	1.793E+4	0.382
6130.	1.052	1.793E+4	0.378
6131.	1.05	1.794E+4	0.379
6132.	1.054	1.794E+4	0.377
6133.	1.056	1.794E+4	0.37
6134.	1.05	1.794E+4	0.37
6135.	1.056	1.794E+4	0.372
6136.	1.059	1.794E+4	0.378
6137.	1.056	1.794E+4	0.375
6138.	1.05	1.794E+4	0.373
6139.	1.056	1.794E+4	0.377
6140.	1.061	1.794E+4	0.38
6141.	1.05	1.795E+4	0.373
6142.	1.056	1.795E+4	0.382
6143.	1.054	1.795E+4	0.375
6144.	1.056	1.795E+4	0.374
6145.	1.05	1.795E+4	0.37
6146.	1.061	1.795E+4	0.373
6147.	1.05	1.795E+4	0.374
6148.	1.048	1.795E+4	0.37
6149.	1.059	1.795E+4	0.377
6150.	1.048	1.795E+4	0.37
6151.	1.056	1.796E+4	0.37
6152.	1.059	1.796E+4	0.375
6153.	1.058	1.796E+4	0.375
6154.	1.052	1.796E+4	0.38
6155.	1.05	1.796E+4	0.377
6156.	1.056	1.796E+4	0.373
6157.	1.052	1.796E+4	0.37
6158.	1.05	1.796E+4	0.379
6159.	1.051	1.796E+4	0.37
6160.	1.052	1.796E+4	0.379
6161.	1.052	1.797E+4	0.375
6162.	1.05	1.797E+4	0.376
6163.	1.048	1.797E+4	0.371
6164.	1.048	1.797E+4	0.376
6165.	1.048	1.797E+4	0.379
6166.	1.048	1.797E+4	0.375
6167.	1.045	1.797E+4	0.371
6168.	1.061	1.797E+4	0.38
6169.	1.052	1.797E+4	0.385
6170.	1.056	1.797E+4	0.371
6171.	1.05	1.798E+4	0.366
6172.	1.054	1.798E+4	0.374
6173.	1.052	1.798E+4	0.37
6174.	1.054	1.798E+4	0.38
6175.	1.048	1.798E+4	0.374
6176.	1.054	1.798E+4	0.375
6177.	1.054	1.798E+4	0.374
6178.	1.05	1.798E+4	0.372
6179.	1.054	1.798E+4	0.367
6180.	1.052	1.798E+4	0.376

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6181.	1.047	1.799E+4	0.368
6182.	1.045	1.799E+4	0.379
6183.	1.038	1.799E+4	0.37
6184.	1.052	1.799E+4	0.368
6185.	1.05	1.799E+4	0.375
6186.	1.047	1.799E+4	0.377
6187.	1.045	1.799E+4	0.375
6188.	1.047	1.799E+4	0.371
6189.	1.048	1.799E+4	0.368
6190.	1.043	1.799E+4	0.379
6191.	1.056	1.8E+4	0.379
6192.	1.056	1.8E+4	0.366
6193.	1.048	1.8E+4	0.377
6194.	1.054	1.8E+4	0.382
6195.	1.047	1.8E+4	0.377
6196.	1.05	1.8E+4	0.381
6197.	1.05	1.8E+4	0.373
6198.	1.052	1.8E+4	0.376
6199.	1.05	1.8E+4	0.382
6200.	1.048	1.8E+4	0.372
6201.	1.047	1.801E+4	0.37
6202.	1.038	1.801E+4	0.376
6203.	1.05	1.801E+4	0.373
6204.	1.045	1.801E+4	0.379
6205.	1.041	1.801E+4	0.373
6206.	1.05	1.801E+4	0.368
6207.	1.048	1.801E+4	0.376
6208.	1.05	1.801E+4	0.379
6209.	1.048	1.801E+4	0.379
6210.	1.047	1.801E+4	0.373
6211.	1.043	1.802E+4	0.371
6212.	1.045	1.802E+4	0.368
6213.	1.042	1.802E+4	0.377
6214.	1.04	1.802E+4	0.375
6215.	1.045	1.802E+4	0.37
6216.	1.045	1.802E+4	0.377
6217.	1.05	1.802E+4	0.37
6218.	1.056	1.802E+4	0.368
6219.	1.05	1.802E+4	0.363
6220.	1.052	1.802E+4	0.368
6221.	1.048	1.803E+4	0.373
6222.	1.048	1.803E+4	0.378
6223.	1.05	1.803E+4	0.373
6224.	1.052	1.803E+4	0.379
6225.	1.045	1.803E+4	0.371
6226.	1.045	1.803E+4	0.362
6227.	1.045	1.803E+4	0.377
6228.	1.05	1.803E+4	0.371
6229.	1.05	1.803E+4	0.375
6230.	1.048	1.803E+4	0.379
6231.	1.047	1.804E+4	0.371
6232.	1.043	1.804E+4	0.375
6233.	1.045	1.804E+4	0.375
6234.	1.047	1.804E+4	0.371
6235.	1.045	1.804E+4	0.373

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6236.	1.048	1.804E+4	0.375
6237.	1.048	1.804E+4	0.37
6238.	1.047	1.804E+4	0.373
6239.	1.048	1.804E+4	0.379
6240.	1.05	1.804E+4	0.375
6241.	1.05	1.805E+4	0.38
6242.	1.052	1.805E+4	0.377
6243.	1.045	1.805E+4	0.368
6244.	1.047	1.805E+4	0.37
6245.	1.041	1.805E+4	0.378
6246.	1.046	1.805E+4	0.379
6247.	1.047	1.805E+4	0.371
6248.	1.039	1.805E+4	0.373
6249.	1.048	1.805E+4	0.367
6250.	1.049	1.805E+4	0.375
6251.	1.043	1.806E+4	0.37
6252.	1.047	1.806E+4	0.37
6253.	1.047	1.806E+4	0.37
6254.	1.047	1.806E+4	0.373
6255.	1.05	1.806E+4	0.376
6256.	1.05	1.806E+4	0.375
6257.	1.05	1.806E+4	0.375
6258.	1.05	1.806E+4	0.373
6259.	1.054	1.806E+4	0.376
6260.	1.053	1.806E+4	0.373
6261.	1.05	1.807E+4	0.373
6262.	1.054	1.807E+4	0.375
6263.	1.047	1.807E+4	0.377
6264.	1.047	1.807E+4	0.377
6265.	1.048	1.807E+4	0.371
6266.	1.047	1.807E+4	0.375
6267.	1.045	1.807E+4	0.375
6268.	1.052	1.807E+4	0.367
6269.	1.045	1.807E+4	0.375
6270.	1.048	1.807E+4	0.373
6271.	1.054	1.808E+4	0.379
6272.	1.05	1.808E+4	0.368
6273.	1.042	1.808E+4	0.366
6274.	1.045	1.808E+4	0.364
6275.	1.05	1.808E+4	0.366
6276.	1.047	1.808E+4	0.379
6277.	1.054	1.808E+4	0.371
6278.	1.052	1.808E+4	0.374
6279.	1.043	1.808E+4	0.371
6280.	1.05	1.808E+4	0.37
6281.	1.048	1.809E+4	0.375
6282.	1.038	1.809E+4	0.368
6283.	1.048	1.809E+4	0.373
6284.	1.038	1.809E+4	0.368
6285.	1.039	1.809E+4	0.376
6286.	1.047	1.809E+4	0.373
6287.	1.048	1.809E+4	0.368
6288.	1.038	1.809E+4	0.359
6289.	1.041	1.809E+4	0.363
6290.	1.048	1.809E+4	0.375

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6291.	1.047	1.81E+4	0.37
6292.	1.047	1.81E+4	0.373
6293.	1.052	1.81E+4	0.37
6294.	1.054	1.81E+4	0.377
6295.	1.041	1.81E+4	0.368
6296.	1.041	1.81E+4	0.368
6297.	1.047	1.81E+4	0.373
6298.	1.038	1.81E+4	0.366
6299.	1.038	1.81E+4	0.375
6300.	1.048	1.81E+4	0.377
6301.	1.047	1.811E+4	0.37
6302.	1.032	1.811E+4	0.379
6303.	1.038	1.811E+4	0.368
6304.	1.039	1.811E+4	0.365
6305.	1.045	1.811E+4	0.37
6306.	1.047	1.811E+4	0.37
6307.	1.045	1.811E+4	0.371
6308.	1.041	1.811E+4	0.373
6309.	1.043	1.811E+4	0.379
6310.	1.043	1.811E+4	0.38
6311.	1.041	1.812E+4	0.377
6312.	1.043	1.812E+4	0.379
6313.	1.048	1.812E+4	0.37
6314.	1.038	1.812E+4	0.371
6315.	1.043	1.812E+4	0.371
6316.	1.045	1.812E+4	0.379
6317.	1.034	1.812E+4	0.377
6318.	1.041	1.812E+4	0.371
6319.	1.045	1.812E+4	0.384
6320.	1.038	1.812E+4	0.371
6321.	1.043	1.813E+4	0.371
6322.	1.043	1.813E+4	0.38
6323.	1.045	1.813E+4	0.37
6324.	1.038	1.813E+4	0.384
6325.	1.041	1.813E+4	0.373
6326.	1.036	1.813E+4	0.38
6327.	1.047	1.813E+4	0.37
6328.	1.038	1.813E+4	0.37
6329.	1.045	1.813E+4	0.375
6330.	1.047	1.813E+4	0.375
6331.	1.039	1.814E+4	0.373
6332.	1.05	1.814E+4	0.384
6333.	1.041	1.814E+4	0.375
6334.	1.038	1.814E+4	0.37
6335.	1.039	1.814E+4	0.38
6336.	1.043	1.814E+4	0.37
6337.	1.048	1.814E+4	0.368
6338.	1.045	1.814E+4	0.374
6339.	1.041	1.814E+4	0.368
6340.	1.047	1.814E+4	0.371
6341.	1.041	1.815E+4	0.368
6342.	1.036	1.815E+4	0.371
6343.	1.041	1.815E+4	0.37
6344.	1.038	1.815E+4	0.362
6345.	1.069	1.815E+4	0.366

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6346.	1.032	1.815E+4	0.373
6347.	1.047	1.815E+4	0.372
6348.	1.041	1.815E+4	0.373
6349.	1.064	1.815E+4	0.371
6350.	1.039	1.815E+4	0.373
6351.	1.038	1.816E+4	0.373
6352.	1.036	1.816E+4	0.362
6353.	1.047	1.816E+4	0.376
6354.	1.047	1.816E+4	0.375
6355.	1.045	1.816E+4	0.368
6356.	1.047	1.816E+4	0.37
6357.	1.047	1.816E+4	0.373
6358.	1.047	1.816E+4	0.366
6359.	1.039	1.816E+4	0.379
6360.	1.039	1.816E+4	0.366
6361.	1.041	1.817E+4	0.386
6362.	1.041	1.817E+4	0.368
6363.	1.039	1.817E+4	0.377
6364.	1.034	1.817E+4	0.368
6365.	1.039	1.817E+4	0.375
6366.	1.041	1.817E+4	0.366
6367.	1.038	1.817E+4	0.373
6368.	1.034	1.817E+4	0.368
6369.	1.041	1.817E+4	0.366
6370.	1.041	1.817E+4	0.379
6371.	1.039	1.818E+4	0.368
6372.	1.047	1.818E+4	0.372
6373.	1.036	1.818E+4	0.37
6374.	1.032	1.818E+4	0.368
6375.	1.047	1.818E+4	0.367
6376.	1.036	1.818E+4	0.359
6377.	1.036	1.818E+4	0.358
6378.	1.039	1.818E+4	0.371
6379.	1.041	1.818E+4	0.368
6380.	1.036	1.818E+4	0.375
6381.	1.039	1.819E+4	0.375
6382.	1.036	1.819E+4	0.366
6383.	1.032	1.819E+4	0.382
6384.	1.041	1.819E+4	0.365
6385.	1.044	1.819E+4	0.367
6386.	1.038	1.819E+4	0.373
6387.	1.043	1.819E+4	0.37
6388.	1.038	1.819E+4	0.371
6389.	1.037	1.819E+4	0.375
6390.	1.036	1.819E+4	0.368
6391.	1.036	1.82E+4	0.365
6392.	1.048	1.82E+4	0.382
6393.	1.041	1.82E+4	0.37
6394.	1.038	1.82E+4	0.367
6395.	1.039	1.82E+4	0.363
6396.	1.039	1.82E+4	0.366
6397.	1.041	1.82E+4	0.37
6398.	1.034	1.82E+4	0.37
6399.	1.038	1.82E+4	0.373
6400.	1.038	1.82E+4	0.373

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6401.	1.036	1.821E+4	0.371
6402.	1.045	1.821E+4	0.366
6403.	1.036	1.821E+4	0.372
6404.	1.039	1.821E+4	0.364
6405.	1.038	1.821E+4	0.378
6406.	1.039	1.821E+4	0.37
6407.	1.039	1.821E+4	0.373
6408.	1.043	1.821E+4	0.362
6409.	1.048	1.821E+4	0.37
6410.	1.047	1.821E+4	0.368
6411.	1.032	1.822E+4	0.368
6412.	1.044	1.822E+4	0.366
6413.	1.034	1.822E+4	0.368
6414.	1.028	1.822E+4	0.37
6415.	1.036	1.822E+4	0.36
6416.	1.038	1.822E+4	0.37
6417.	1.034	1.822E+4	0.366
6418.	1.039	1.822E+4	0.37
6419.	1.036	1.822E+4	0.366
6420.	1.036	1.822E+4	0.377
6421.	1.036	1.823E+4	0.36
6422.	1.041	1.823E+4	0.368
6423.	1.034	1.823E+4	0.362
6424.	1.036	1.823E+4	0.367
6425.	1.039	1.823E+4	0.361
6426.	1.039	1.823E+4	0.364
6427.	1.039	1.823E+4	0.37
6428.	1.039	1.823E+4	0.366
6429.	1.034	1.823E+4	0.359
6430.	1.034	1.823E+4	0.365
6431.	1.038	1.824E+4	0.364
6432.	1.036	1.824E+4	0.365
6433.	1.045	1.824E+4	0.36
6434.	1.034	1.824E+4	0.368
6435.	1.025	1.824E+4	0.366
6436.	1.032	1.824E+4	0.368
6437.	1.024	1.824E+4	0.368
6438.	1.036	1.824E+4	0.368
6439.	1.036	1.824E+4	0.354
6440.	1.034	1.824E+4	0.362
6441.	1.038	1.825E+4	0.361
6442.	1.03	1.825E+4	0.37
6443.	1.032	1.825E+4	0.355
6444.	1.03	1.825E+4	0.367
6445.	1.036	1.825E+4	0.371
6446.	1.028	1.825E+4	0.368
6447.	1.034	1.825E+4	0.357
6448.	1.039	1.825E+4	0.368
6449.	1.027	1.825E+4	0.368
6450.	1.032	1.825E+4	0.371
6451.	1.038	1.826E+4	0.364
6452.	1.027	1.826E+4	0.359
6453.	1.03	1.826E+4	0.364
6454.	1.025	1.826E+4	0.366
6455.	1.028	1.826E+4	0.37

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6456.	1.032	1.826E+4	0.364
6457.	1.027	1.826E+4	0.367
6458.	1.03	1.826E+4	0.368
6459.	1.027	1.826E+4	0.364
6460.	1.032	1.826E+4	0.357
6461.	1.032	1.827E+4	0.363
6462.	1.036	1.827E+4	0.361
6463.	1.032	1.827E+4	0.359
6464.	1.034	1.827E+4	0.362
6465.	1.034	1.827E+4	0.364
6466.	1.03	1.827E+4	0.366
6467.	1.03	1.827E+4	0.371
6468.	1.03	1.827E+4	0.361
6469.	1.028	1.827E+4	0.365
6470.	1.032	1.827E+4	0.362
6471.	1.039	1.828E+4	0.366
6472.	1.034	1.828E+4	0.36
6473.	1.027	1.828E+4	0.361
6474.	1.03	1.828E+4	0.37
6475.	1.021	1.828E+4	0.364
6476.	1.036	1.828E+4	0.37
6477.	1.025	1.828E+4	0.365
6478.	1.028	1.828E+4	0.362
6479.	1.027	1.828E+4	0.364
6480.	1.028	1.828E+4	0.364
6481.	1.034	1.829E+4	0.364
6482.	1.032	1.829E+4	0.359
6483.	1.028	1.829E+4	0.362
6484.	1.03	1.829E+4	0.368
6485.	1.027	1.829E+4	0.36
6486.	1.028	1.829E+4	0.359
6487.	1.03	1.829E+4	0.368
6488.	1.025	1.829E+4	0.37
6489.	1.032	1.829E+4	0.362
6490.	1.025	1.829E+4	0.364
6491.	1.025	1.83E+4	0.367
6492.	1.028	1.83E+4	0.362
6493.	1.032	1.83E+4	0.359
6494.	1.027	1.83E+4	0.361
6495.	1.032	1.83E+4	0.357
6496.	1.021	1.83E+4	0.362
6497.	1.028	1.83E+4	0.368
6498.	1.025	1.83E+4	0.366
6499.	1.034	1.83E+4	0.361
6500.	1.027	1.83E+4	0.368
6501.	1.023	1.831E+4	0.364
6502.	1.023	1.831E+4	0.364
6503.	1.035	1.831E+4	0.36
6504.	1.027	1.831E+4	0.364
6505.	1.032	1.831E+4	0.368
6506.	1.028	1.831E+4	0.351
6507.	1.027	1.831E+4	0.351
6508.	1.025	1.831E+4	0.364
6509.	1.025	1.831E+4	0.36
6510.	1.03	1.831E+4	0.361

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6511.	1.025	1.832E+4	0.359
6512.	1.027	1.832E+4	0.359
6513.	1.034	1.832E+4	0.358
6514.	1.034	1.832E+4	0.358
6515.	1.03	1.832E+4	0.355
6516.	1.028	1.832E+4	0.358
6517.	1.023	1.832E+4	0.357
6518.	1.028	1.832E+4	0.359
6519.	1.023	1.832E+4	0.353
6520.	1.028	1.832E+4	0.359
6521.	1.036	1.833E+4	0.368
6522.	1.032	1.833E+4	0.351
6523.	1.027	1.833E+4	0.36
6524.	1.025	1.833E+4	0.36
6525.	1.019	1.833E+4	0.357
6526.	1.028	1.833E+4	0.356
6527.	1.023	1.833E+4	0.368
6528.	1.034	1.833E+4	0.359
6529.	1.027	1.833E+4	0.356
6530.	1.032	1.833E+4	0.354
6531.	1.021	1.834E+4	0.362
6532.	1.018	1.834E+4	0.362
6533.	1.023	1.834E+4	0.358
6534.	1.027	1.834E+4	0.353
6535.	1.032	1.834E+4	0.366
6536.	1.018	1.834E+4	0.361
6537.	1.019	1.834E+4	0.359
6538.	1.039	1.834E+4	0.364
6539.	1.025	1.834E+4	0.358
6540.	1.023	1.834E+4	0.36
6541.	1.018	1.835E+4	0.353
6542.	1.019	1.835E+4	0.35
6543.	1.023	1.835E+4	0.355
6544.	1.025	1.835E+4	0.355
6545.	1.019	1.835E+4	0.355
6546.	1.018	1.835E+4	0.366
6547.	1.025	1.835E+4	0.359
6548.	1.019	1.835E+4	0.361
6549.	1.025	1.835E+4	0.355
6550.	1.028	1.835E+4	0.355
6551.	1.027	1.836E+4	0.364
6552.	1.027	1.836E+4	0.355
6553.	1.027	1.836E+4	0.359
6554.	1.006	1.836E+4	0.364
6555.	1.027	1.836E+4	0.362
6556.	1.027	1.836E+4	0.359
6557.	1.027	1.836E+4	0.358
6558.	1.028	1.836E+4	0.353
6559.	1.032	1.836E+4	0.355
6560.	1.023	1.836E+4	0.352
6561.	1.032	1.837E+4	0.352
6562.	1.012	1.837E+4	0.351
6563.	1.027	1.837E+4	0.356
6564.	1.021	1.837E+4	0.362
6565.	1.025	1.837E+4	0.358

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6566.	1.025	1.837E+4	0.359
6567.	1.027	1.837E+4	0.368
6568.	1.025	1.837E+4	0.357
6569.	1.033	1.837E+4	0.362
6570.	1.021	1.837E+4	0.36
6571.	1.023	1.838E+4	0.357
6572.	1.027	1.838E+4	0.353
6573.	1.028	1.838E+4	0.357
6574.	1.025	1.838E+4	0.364
6575.	1.019	1.838E+4	0.359
6576.	1.012	1.838E+4	0.353
6577.	1.023	1.838E+4	0.364
6578.	1.025	1.838E+4	0.357
6579.	1.019	1.838E+4	0.364
6580.	1.016	1.838E+4	0.359
6581.	1.018	1.839E+4	0.352
6582.	1.021	1.839E+4	0.359
6583.	1.019	1.839E+4	0.353
6584.	1.023	1.839E+4	0.35
6585.	1.016	1.839E+4	0.364
6586.	1.026	1.839E+4	0.351
6587.	1.015	1.839E+4	0.362
6588.	1.023	1.839E+4	0.353
6589.	1.014	1.839E+4	0.36
6590.	1.027	1.839E+4	0.355
6591.	1.018	1.84E+4	0.355
6592.	1.023	1.84E+4	0.357
6593.	1.018	1.84E+4	0.366
6594.	1.023	1.84E+4	0.356
6595.	1.023	1.84E+4	0.355
6596.	1.018	1.84E+4	0.35
6597.	1.023	1.84E+4	0.339
6598.	1.027	1.84E+4	0.359
6599.	1.021	1.84E+4	0.35
6600.	1.029	1.84E+4	0.357
6601.	1.025	1.841E+4	0.355
6602.	1.019	1.841E+4	0.348
6603.	1.015	1.841E+4	0.359
6604.	1.021	1.841E+4	0.355
6605.	1.023	1.841E+4	0.366
6606.	1.025	1.841E+4	0.357
6607.	1.016	1.841E+4	0.359
6608.	1.019	1.841E+4	0.35
6609.	1.021	1.841E+4	0.362
6610.	1.025	1.841E+4	0.359
6611.	1.028	1.842E+4	0.353
6612.	1.025	1.842E+4	0.36
6613.	1.019	1.842E+4	0.359
6614.	1.028	1.842E+4	0.35
6615.	1.019	1.842E+4	0.359
6616.	1.023	1.842E+4	0.344
6617.	1.025	1.842E+4	0.351
6618.	1.028	1.842E+4	0.36
6619.	1.027	1.842E+4	0.356
6620.	1.021	1.842E+4	0.359

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6621.	1.027	1.843E+4	0.359
6622.	1.027	1.843E+4	0.36
6623.	1.016	1.843E+4	0.356
6624.	1.019	1.843E+4	0.362
6625.	1.021	1.843E+4	0.361
6626.	1.03	1.843E+4	0.359
6627.	1.016	1.843E+4	0.356
6628.	1.023	1.843E+4	0.358
6629.	1.028	1.843E+4	0.36
6630.	1.018	1.843E+4	0.355
6631.	1.025	1.844E+4	0.353
6632.	1.023	1.844E+4	0.358
6633.	1.028	1.844E+4	0.353
6634.	1.021	1.844E+4	0.365
6635.	1.021	1.844E+4	0.362
6636.	1.021	1.844E+4	0.36
6637.	1.025	1.844E+4	0.357
6638.	1.027	1.844E+4	0.355
6639.	1.019	1.844E+4	0.359
6640.	1.019	1.844E+4	0.357
6641.	1.023	1.845E+4	0.364
6642.	1.016	1.845E+4	0.35
6643.	1.018	1.845E+4	0.356
6644.	1.014	1.845E+4	0.355
6645.	1.03	1.845E+4	0.36
6646.	1.021	1.845E+4	0.355
6647.	1.023	1.845E+4	0.351
6648.	1.019	1.845E+4	0.36
6649.	1.027	1.845E+4	0.348
6650.	1.021	1.845E+4	0.359
6651.	1.016	1.846E+4	0.353
6652.	1.025	1.846E+4	0.358
6653.	1.018	1.846E+4	0.364
6654.	1.016	1.846E+4	0.36
6655.	1.016	1.846E+4	0.359
6656.	1.019	1.846E+4	0.347
6657.	1.023	1.846E+4	0.351
6658.	1.021	1.846E+4	0.348
6659.	1.028	1.846E+4	0.348
6660.	1.023	1.846E+4	0.353
6661.	1.016	1.847E+4	0.355
6662.	1.019	1.847E+4	0.355
6663.	1.028	1.847E+4	0.353
6664.	1.018	1.847E+4	0.35
6665.	1.027	1.847E+4	0.351
6666.	1.012	1.847E+4	0.354
6667.	1.023	1.847E+4	0.351
6668.	1.023	1.847E+4	0.35
6669.	1.019	1.847E+4	0.344
6670.	1.016	1.847E+4	0.35
6671.	1.012	1.848E+4	0.354
6672.	1.023	1.848E+4	0.358
6673.	1.021	1.848E+4	0.355
6674.	1.019	1.848E+4	0.359
6675.	1.025	1.848E+4	0.35

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6676.	1.018	1.848E+4	0.355
6677.	1.023	1.848E+4	0.353
6678.	1.019	1.848E+4	0.356
6679.	1.024	1.848E+4	0.347
6680.	1.016	1.848E+4	0.357
6681.	1.019	1.849E+4	0.348
6682.	1.018	1.849E+4	0.35
6683.	1.021	1.849E+4	0.348
6684.	1.016	1.849E+4	0.35
6685.	1.01	1.849E+4	0.351
6686.	1.012	1.849E+4	0.345
6687.	1.012	1.849E+4	0.358
6688.	1.023	1.849E+4	0.35
6689.	1.012	1.849E+4	0.353
6690.	1.023	1.849E+4	0.348
6691.	1.019	1.85E+4	0.343
6692.	1.01	1.85E+4	0.353
6693.	1.018	1.85E+4	0.347
6694.	1.023	1.85E+4	0.357
6695.	1.019	1.85E+4	0.351
6696.	1.019	1.85E+4	0.353
6697.	1.021	1.85E+4	0.348
6698.	1.018	1.85E+4	0.372
6699.	1.016	1.85E+4	0.36
6700.	1.018	1.85E+4	0.362
6701.	1.008	1.851E+4	0.355
6702.	1.018	1.851E+4	0.354
6703.	1.028	1.851E+4	0.356
6704.	1.014	1.851E+4	0.348
6705.	1.018	1.851E+4	0.343
6706.	1.014	1.851E+4	0.352
6707.	1.019	1.851E+4	0.353
6708.	1.032	1.851E+4	0.348
6709.	1.016	1.851E+4	0.35
6710.	1.01	1.851E+4	0.356
6711.	1.016	1.852E+4	0.376
6712.	1.025	1.852E+4	0.352
6713.	1.025	1.852E+4	0.359
6714.	1.021	1.852E+4	0.352
6715.	1.014	1.852E+4	0.356
6716.	1.019	1.852E+4	0.339
6717.	1.018	1.852E+4	0.348
6718.	1.007	1.852E+4	0.344
6719.	1.012	1.852E+4	0.353
6720.	1.018	1.852E+4	0.35
6721.	1.008	1.853E+4	0.348
6722.	1.014	1.853E+4	0.35
6723.	1.014	1.853E+4	0.355
6724.	1.016	1.853E+4	0.348
6725.	1.019	1.853E+4	0.343
6726.	1.023	1.853E+4	0.354
6727.	1.012	1.853E+4	0.352
6728.	1.016	1.853E+4	0.353
6729.	1.012	1.853E+4	0.353
6730.	1.003	1.853E+4	0.341

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6731.	1.014	1.854E+4	0.347
6732.	1.023	1.854E+4	0.35
6733.	1.014	1.854E+4	0.34
6734.	1.007	1.854E+4	0.356
6735.	1.012	1.854E+4	0.344
6736.	1.014	1.854E+4	0.346
6737.	1.016	1.854E+4	0.345
6738.	1.016	1.854E+4	0.347
6739.	1.012	1.854E+4	0.354
6740.	1.016	1.854E+4	0.356
6741.	1.012	1.855E+4	0.355
6742.	1.018	1.855E+4	0.354
6743.	1.01	1.855E+4	0.353
6744.	1.014	1.855E+4	0.357
6745.	1.005	1.855E+4	0.359
6746.	1.01	1.855E+4	0.355
6747.	1.014	1.855E+4	0.359
6748.	1.012	1.855E+4	0.35
6749.	1.014	1.855E+4	0.343
6750.	1.008	1.855E+4	0.354
6751.	1.008	1.856E+4	0.35
6752.	1.005	1.856E+4	0.346
6753.	1.016	1.856E+4	0.361
6754.	1.014	1.856E+4	0.35
6755.	1.012	1.856E+4	0.35
6756.	1.016	1.856E+4	0.348
6757.	1.008	1.856E+4	0.354
6758.	1.005	1.856E+4	0.348
6759.	1.018	1.856E+4	0.35
6760.	1.008	1.856E+4	0.347
6761.	1.013	1.857E+4	0.348
6762.	0.999	1.857E+4	0.35
6763.	1.008	1.857E+4	0.348
6764.	1.014	1.857E+4	0.351
6765.	1.016	1.857E+4	0.348
6766.	1.018	1.857E+4	0.35
6767.	1.008	1.857E+4	0.357
6768.	1.012	1.857E+4	0.347
6769.	1.021	1.857E+4	0.358
6770.	1.003	1.857E+4	0.355
6771.	1.007	1.858E+4	0.339
6772.	1.01	1.858E+4	0.353
6773.	1.008	1.858E+4	0.35
6774.	1.014	1.858E+4	0.358
6775.	1.014	1.858E+4	0.345
6776.	1.01	1.858E+4	0.35
6777.	1.018	1.858E+4	0.348
6778.	1.014	1.858E+4	0.343
6779.	1.012	1.858E+4	0.35
6780.	1.014	1.858E+4	0.35
6781.	1.016	1.859E+4	0.346
6782.	1.014	1.859E+4	0.342
6783.	1.008	1.859E+4	0.348
6784.	1.016	1.859E+4	0.345
6785.	1.014	1.859E+4	0.344

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6786.	1.007	1.859E+4	0.344
6787.	1.003	1.859E+4	0.35
6788.	1.016	1.859E+4	0.339
6789.	1.014	1.859E+4	0.34
6790.	1.011	1.859E+4	0.348
6791.	1.014	1.86E+4	0.352
6792.	1.01	1.86E+4	0.344
6793.	1.012	1.86E+4	0.339
6794.	1.01	1.86E+4	0.348
6795.	1.018	1.86E+4	0.345
6796.	1.008	1.86E+4	0.343
6797.	1.018	1.86E+4	0.352
6798.	1.016	1.86E+4	0.341
6799.	1.016	1.86E+4	0.348
6800.	1.018	1.86E+4	0.35
6801.	1.016	1.861E+4	0.348
6802.	1.008	1.861E+4	0.332
6803.	1.012	1.861E+4	0.343
6804.	1.014	1.861E+4	0.346
6805.	1.016	1.861E+4	0.342
6806.	1.012	1.861E+4	0.353
6807.	1.014	1.861E+4	0.344
6808.	1.014	1.861E+4	0.35
6809.	1.008	1.861E+4	0.353
6810.	1.018	1.861E+4	0.351
6811.	1.005	1.862E+4	0.343
6812.	1.01	1.862E+4	0.343
6813.	1.012	1.862E+4	0.348
6814.	1.005	1.862E+4	0.348
6815.	1.003	1.862E+4	0.344
6816.	1.005	1.862E+4	0.346
6817.	1.003	1.862E+4	0.339
6818.	1.008	1.862E+4	0.353
6819.	1.007	1.862E+4	0.354
6820.	1.007	1.862E+4	0.343
6821.	1.012	1.863E+4	0.35
6822.	1.01	1.863E+4	0.347
6823.	1.008	1.863E+4	0.337
6824.	1.007	1.863E+4	0.343
6825.	1.008	1.863E+4	0.344
6826.	1.008	1.863E+4	0.348
6827.	1.01	1.863E+4	0.35
6828.	1.008	1.863E+4	0.352
6829.	0.999	1.863E+4	0.344
6830.	1.007	1.863E+4	0.348
6831.	1.005	1.864E+4	0.34
6832.	1.014	1.864E+4	0.348
6833.	1.014	1.864E+4	0.346
6834.	1.003	1.864E+4	0.344
6835.	1.008	1.864E+4	0.345
6836.	1.007	1.864E+4	0.348
6837.	1.01	1.864E+4	0.351
6838.	1.005	1.864E+4	0.346
6839.	1.008	1.864E+4	0.342
6840.	1.01	1.864E+4	0.345

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6841.	1.007	1.865E+4	0.347
6842.	1.005	1.865E+4	0.347
6843.	1.012	1.865E+4	0.348
6844.	1.007	1.865E+4	0.376
6845.	1.007	1.865E+4	0.347
6846.	1.001	1.865E+4	0.35
6847.	1.005	1.865E+4	0.345
6848.	1.008	1.865E+4	0.346
6849.	1.005	1.865E+4	0.338
6850.	1.01	1.865E+4	0.339
6851.	1.005	1.866E+4	0.345
6852.	1.01	1.866E+4	0.346
6853.	0.994	1.866E+4	0.346
6854.	1.02	1.866E+4	0.343
6855.	1.007	1.866E+4	0.347
6856.	1.012	1.866E+4	0.345
6857.	1.01	1.866E+4	0.35
6858.	1.01	1.866E+4	0.339
6859.	1.003	1.866E+4	0.34
6860.	1.01	1.866E+4	0.338
6861.	1.003	1.867E+4	0.334
6862.	1.008	1.867E+4	0.362
6863.	1.002	1.867E+4	0.341
6864.	1.007	1.867E+4	0.345
6865.	1.007	1.867E+4	0.34
6866.	1.007	1.867E+4	0.339
6867.	1.007	1.867E+4	0.341
6868.	1.01	1.867E+4	0.339
6869.	1.007	1.867E+4	0.342
6870.	1.01	1.867E+4	0.35
6871.	1.01	1.868E+4	0.337
6872.	1.003	1.868E+4	0.336
6873.	1.003	1.868E+4	0.338
6874.	1.001	1.868E+4	0.346
6875.	1.01	1.868E+4	0.348
6876.	1.005	1.868E+4	0.345
6877.	1.005	1.868E+4	0.353
6878.	1.003	1.868E+4	0.337
6879.	1.005	1.868E+4	0.346
6880.	1.002	1.868E+4	0.34
6881.	1.01	1.869E+4	0.347
6882.	1.007	1.869E+4	0.334
6883.	1.007	1.869E+4	0.344
6884.	1.012	1.869E+4	0.346
6885.	1.007	1.869E+4	0.347
6886.	1.008	1.869E+4	0.348
6887.	1.01	1.869E+4	0.346
6888.	1.008	1.869E+4	0.347
6889.	1.005	1.869E+4	0.339
6890.	1.008	1.869E+4	0.343
6891.	1.007	1.87E+4	0.341
6892.	1.005	1.87E+4	0.35
6893.	1.012	1.87E+4	0.342
6894.	1.001	1.87E+4	0.344
6895.	1.012	1.87E+4	0.348

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6896.	1.007	1.87E+4	0.339
6897.	0.999	1.87E+4	0.344
6898.	1.001	1.87E+4	0.338
6899.	1.001	1.87E+4	0.339
6900.	0.996	1.87E+4	0.338
6901.	1.003	1.871E+4	0.343
6902.	1.	1.871E+4	0.35
6903.	0.999	1.871E+4	0.347
6904.	1.007	1.871E+4	0.344
6905.	1.003	1.871E+4	0.336
6906.	1.014	1.871E+4	0.345
6907.	1.005	1.871E+4	0.348
6908.	0.999	1.871E+4	0.348
6909.	0.999	1.871E+4	0.347
6910.	1.012	1.871E+4	0.353
6911.	1.001	1.872E+4	0.35
6912.	0.985	1.872E+4	0.342
6913.	1.003	1.872E+4	0.345
6914.	0.998	1.872E+4	0.339
6915.	1.014	1.872E+4	0.341
6916.	0.999	1.872E+4	0.338
6917.	1.007	1.872E+4	0.343
6918.	1.003	1.872E+4	0.348
6919.	0.998	1.872E+4	0.348
6920.	1.007	1.872E+4	0.348
6921.	1.007	1.873E+4	0.343
6922.	1.005	1.873E+4	0.345
6923.	1.001	1.873E+4	0.35
6924.	1.003	1.873E+4	0.341
6925.	1.001	1.873E+4	0.331
6926.	1.005	1.873E+4	0.344
6927.	0.999	1.873E+4	0.337
6928.	1.001	1.873E+4	0.35
6929.	0.996	1.873E+4	0.35
6930.	1.001	1.873E+4	0.347
6931.	0.999	1.874E+4	0.342
6932.	1.007	1.874E+4	0.343
6933.	0.999	1.874E+4	0.342
6934.	1.005	1.874E+4	0.334
6935.	1.001	1.874E+4	0.336
6936.	1.005	1.874E+4	0.343
6937.	1.001	1.874E+4	0.34
6938.	0.992	1.874E+4	0.347
6939.	1.003	1.874E+4	0.339
6940.	0.999	1.874E+4	0.339
6941.	1.003	1.875E+4	0.334
6942.	1.007	1.875E+4	0.33
6943.	0.996	1.875E+4	0.338
6944.	1.007	1.875E+4	0.343
6945.	1.001	1.875E+4	0.343
6946.	1.001	1.875E+4	0.343
6947.	1.005	1.875E+4	0.342
6948.	0.998	1.875E+4	0.338
6949.	1.001	1.875E+4	0.336
6950.	1.005	1.875E+4	0.341

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
6951.	0.999	1.876E+4	0.35
6952.	1.	1.876E+4	0.344
6953.	0.994	1.876E+4	0.34
6954.	1.005	1.876E+4	0.34
6955.	0.999	1.876E+4	0.336
6956.	0.998	1.876E+4	0.34
6957.	0.999	1.876E+4	0.343
6958.	0.994	1.876E+4	0.35
6959.	1.001	1.876E+4	0.337
6960.	1.005	1.876E+4	0.336
6961.	1.003	1.877E+4	0.347
6962.	0.999	1.877E+4	0.345
6963.	1.001	1.877E+4	0.333
6964.	0.992	1.877E+4	0.343
6965.	0.992	1.877E+4	0.346
6966.	1.001	1.877E+4	0.336
6967.	0.996	1.877E+4	0.343
6968.	1.003	1.877E+4	0.343
6969.	0.999	1.877E+4	0.348
6970.	0.998	1.877E+4	0.343
6971.	0.998	1.878E+4	0.345
6972.	1.007	1.878E+4	0.344
6973.	0.999	1.878E+4	0.345
6974.	1.001	1.878E+4	0.341
6975.	1.01	1.878E+4	0.343
6976.	0.994	1.878E+4	0.338
6977.	0.999	1.878E+4	0.348
6978.	0.992	1.878E+4	0.34
6979.	0.998	1.878E+4	0.35
6980.	0.998	1.878E+4	0.348
6981.	0.998	1.879E+4	0.35
6982.	0.998	1.879E+4	0.35
6983.	0.985	1.879E+4	0.339
6984.	0.998	1.879E+4	0.347
6985.	0.994	1.879E+4	0.348
6986.	0.991	1.879E+4	0.348
6987.	0.999	1.879E+4	0.347
6988.	1.001	1.879E+4	0.347
6989.	0.996	1.879E+4	0.342
6990.	0.991	1.879E+4	0.341
6991.	0.99	1.88E+4	0.341
6992.	0.999	1.88E+4	0.334
6993.	0.994	1.88E+4	0.339
6994.	0.992	1.88E+4	0.345
6995.	0.999	1.88E+4	0.345
6996.	0.996	1.88E+4	0.341
6997.	0.999	1.88E+4	0.33
6998.	0.996	1.88E+4	0.35
6999.	0.994	1.88E+4	0.346
7000.	1.001	1.88E+4	0.347
7001.	0.996	1.881E+4	0.35
7002.	0.998	1.881E+4	0.345
7003.	0.999	1.881E+4	0.328
7004.	0.988	1.881E+4	0.343
7005.	0.99	1.881E+4	0.34

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7006.	0.998	1.881E+4	0.341
7007.	0.999	1.881E+4	0.341
7008.	0.996	1.881E+4	0.339
7009.	0.991	1.881E+4	0.35
7010.	0.994	1.881E+4	0.348
7011.	0.999	1.882E+4	0.347
7012.	0.996	1.882E+4	0.343
7013.	0.999	1.882E+4	0.339
7014.	0.996	1.882E+4	0.339
7015.	1.005	1.882E+4	0.338
7016.	0.998	1.882E+4	0.336
7017.	0.999	1.882E+4	0.339
7018.	0.992	1.882E+4	0.338
7019.	0.998	1.882E+4	0.343
7020.	0.996	1.882E+4	0.342
7021.	0.998	1.883E+4	0.336
7022.	0.99	1.883E+4	0.343
7023.	0.994	1.883E+4	0.331
7024.	1.001	1.883E+4	0.339
7025.	0.994	1.883E+4	0.341
7026.	0.985	1.883E+4	0.325
7027.	0.996	1.883E+4	0.339
7028.	0.995	1.883E+4	0.345
7029.	0.994	1.883E+4	0.344
7030.	0.996	1.883E+4	0.339
7031.	0.996	1.884E+4	0.35
7032.	0.99	1.884E+4	0.348
7033.	0.99	1.884E+4	0.348
7034.	0.998	1.884E+4	0.342
7035.	0.996	1.884E+4	0.339
7036.	0.998	1.884E+4	0.339
7037.	0.999	1.884E+4	0.339
7038.	0.99	1.884E+4	0.342
7039.	0.992	1.884E+4	0.343
7040.	0.991	1.884E+4	0.338
7041.	0.99	1.885E+4	0.339
7042.	0.996	1.885E+4	0.339
7043.	0.992	1.885E+4	0.338
7044.	0.992	1.885E+4	0.34
7045.	0.998	1.885E+4	0.334
7046.	0.992	1.885E+4	0.343
7047.	1.005	1.885E+4	0.341
7048.	0.992	1.885E+4	0.339
7049.	0.998	1.885E+4	0.341
7050.	0.994	1.885E+4	0.355
7051.	0.996	1.886E+4	0.344
7052.	0.989	1.886E+4	0.346
7053.	0.996	1.886E+4	0.343
7054.	0.996	1.886E+4	0.343
7055.	0.992	1.886E+4	0.338
7056.	0.994	1.886E+4	0.337
7057.	0.996	1.886E+4	0.35
7058.	0.986	1.886E+4	0.337
7059.	0.99	1.886E+4	0.347
7060.	1.001	1.886E+4	0.334

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7061.	0.994	1.887E+4	0.333
7062.	0.994	1.887E+4	0.345
7063.	0.99	1.887E+4	0.332
7064.	0.994	1.887E+4	0.339
7065.	0.984	1.887E+4	0.337
7066.	1.001	1.887E+4	0.34
7067.	0.998	1.887E+4	0.342
7068.	0.987	1.887E+4	0.337
7069.	0.993	1.887E+4	0.347
7070.	1.001	1.887E+4	0.339
7071.	1.014	1.888E+4	0.336
7072.	0.99	1.888E+4	0.339
7073.	0.998	1.888E+4	0.343
7074.	0.999	1.888E+4	0.345
7075.	0.988	1.888E+4	0.334
7076.	0.988	1.888E+4	0.343
7077.	1.001	1.888E+4	0.348
7078.	1.003	1.888E+4	0.34
7079.	1.005	1.888E+4	0.338
7080.	0.987	1.888E+4	0.334
7081.	0.994	1.889E+4	0.337
7082.	0.992	1.889E+4	0.343
7083.	0.994	1.889E+4	0.334
7084.	1.005	1.889E+4	0.343
7085.	0.996	1.889E+4	0.339
7086.	0.996	1.889E+4	0.34
7087.	0.994	1.889E+4	0.341
7088.	0.992	1.889E+4	0.334
7089.	0.994	1.889E+4	0.338
7090.	0.987	1.889E+4	0.333
7091.	0.992	1.89E+4	0.332
7092.	0.988	1.89E+4	0.339
7093.	0.998	1.89E+4	0.34
7094.	0.998	1.89E+4	0.327
7095.	0.994	1.89E+4	0.336
7096.	0.998	1.89E+4	0.347
7097.	0.987	1.89E+4	0.338
7098.	0.998	1.89E+4	0.339
7099.	0.99	1.89E+4	0.338
7100.	0.998	1.89E+4	0.339
7101.	0.994	1.891E+4	0.338
7102.	0.987	1.891E+4	0.34
7103.	0.992	1.891E+4	0.339
7104.	0.99	1.891E+4	0.335
7105.	0.99	1.891E+4	0.335
7106.	0.988	1.891E+4	0.33
7107.	0.999	1.891E+4	0.338
7108.	0.987	1.891E+4	0.34
7109.	0.996	1.891E+4	0.332
7110.	0.99	1.891E+4	0.334
7111.	0.987	1.892E+4	0.333
7112.	0.987	1.892E+4	0.336
7113.	0.99	1.892E+4	0.336
7114.	0.994	1.892E+4	0.346
7115.	0.992	1.892E+4	0.338

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7116.	0.996	1.892E+4	0.337
7117.	0.983	1.892E+4	0.339
7118.	0.992	1.892E+4	0.335
7119.	0.996	1.892E+4	0.336
7120.	0.994	1.892E+4	0.325
7121.	0.986	1.893E+4	0.336
7122.	0.988	1.893E+4	0.346
7123.	0.985	1.893E+4	0.339
7124.	0.988	1.893E+4	0.332
7125.	0.994	1.893E+4	0.347
7126.	0.985	1.893E+4	0.334
7127.	0.994	1.893E+4	0.334
7128.	0.985	1.893E+4	0.339
7129.	0.992	1.893E+4	0.339
7130.	0.987	1.893E+4	0.346
7131.	0.996	1.894E+4	0.326
7132.	0.988	1.894E+4	0.339
7133.	0.992	1.894E+4	0.336
7134.	0.996	1.894E+4	0.339
7135.	0.992	1.894E+4	0.339
7136.	0.987	1.894E+4	0.328
7137.	0.981	1.894E+4	0.339
7138.	0.998	1.894E+4	0.338
7139.	0.992	1.894E+4	0.34
7140.	0.99	1.894E+4	0.341
7141.	0.987	1.895E+4	0.336
7142.	0.992	1.895E+4	0.336
7143.	0.992	1.895E+4	0.336
7144.	0.994	1.895E+4	0.337
7145.	0.994	1.895E+4	0.336
7146.	0.995	1.895E+4	0.332
7147.	0.988	1.895E+4	0.33
7148.	0.99	1.895E+4	0.341
7149.	0.987	1.895E+4	0.314
7150.	0.988	1.895E+4	0.336
7151.	0.99	1.896E+4	0.339
7152.	0.987	1.896E+4	0.343
7153.	0.99	1.896E+4	0.338
7154.	0.988	1.896E+4	0.328
7155.	0.99	1.896E+4	0.34
7156.	0.979	1.896E+4	0.34
7157.	0.988	1.896E+4	0.339
7158.	0.99	1.896E+4	0.342
7159.	0.987	1.896E+4	0.336
7160.	0.988	1.896E+4	0.325
7161.	0.99	1.897E+4	0.33
7162.	0.994	1.897E+4	0.332
7163.	0.994	1.897E+4	0.343
7164.	0.985	1.897E+4	0.335
7165.	0.981	1.897E+4	0.332
7166.	0.998	1.897E+4	0.344
7167.	0.987	1.897E+4	0.338
7168.	0.987	1.897E+4	0.336
7169.	1.002	1.897E+4	0.327
7170.	0.985	1.897E+4	0.339

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7171.	0.981	1.898E+4	0.346
7172.	0.985	1.898E+4	0.345
7173.	0.988	1.898E+4	0.325
7174.	0.987	1.898E+4	0.334
7175.	0.983	1.898E+4	0.319
7176.	0.994	1.898E+4	0.33
7177.	0.979	1.898E+4	0.331
7178.	0.985	1.898E+4	0.328
7179.	0.984	1.898E+4	0.33
7180.	0.99	1.898E+4	0.331
7181.	0.987	1.899E+4	0.338
7182.	0.988	1.899E+4	0.339
7183.	0.988	1.899E+4	0.333
7184.	0.99	1.899E+4	0.334
7185.	0.988	1.899E+4	0.332
7186.	0.985	1.899E+4	0.338
7187.	0.99	1.899E+4	0.331
7188.	0.992	1.899E+4	0.332
7189.	0.984	1.899E+4	0.336
7190.	0.991	1.899E+4	0.336
7191.	0.985	1.9E+4	0.328
7192.	0.987	1.9E+4	0.327
7193.	0.987	1.9E+4	0.342
7194.	0.987	1.9E+4	0.331
7195.	0.983	1.9E+4	0.324
7196.	0.992	1.9E+4	0.334
7197.	0.984	1.9E+4	0.33
7198.	0.996	1.9E+4	0.332
7199.	0.983	1.9E+4	0.343
7200.	0.98	1.9E+4	0.334
7201.	0.985	1.901E+4	0.34
7202.	0.985	1.901E+4	0.332
7203.	0.984	1.901E+4	0.33
7204.	0.992	1.901E+4	0.338
7205.	0.988	1.901E+4	0.335
7206.	0.989	1.901E+4	0.332
7207.	0.981	1.901E+4	0.335
7208.	0.978	1.901E+4	0.332
7209.	0.985	1.901E+4	0.338
7210.	0.987	1.901E+4	0.338
7211.	0.981	1.902E+4	0.333
7212.	0.985	1.902E+4	0.347
7213.	0.985	1.902E+4	0.338
7214.	0.987	1.902E+4	0.323
7215.	0.986	1.902E+4	0.325
7216.	0.993	1.902E+4	0.342
7217.	0.99	1.902E+4	0.336
7218.	0.985	1.902E+4	0.328
7219.	0.983	1.902E+4	0.325
7220.	0.986	1.902E+4	0.334
7221.	0.987	1.903E+4	0.324
7222.	0.982	1.903E+4	0.339
7223.	0.988	1.903E+4	0.334
7224.	0.985	1.903E+4	0.336
7225.	0.985	1.903E+4	0.336

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7226.	0.988	1.903E+4	0.331
7227.	0.979	1.903E+4	0.338
7228.	0.988	1.903E+4	0.331
7229.	0.97	1.903E+4	0.333
7230.	0.979	1.903E+4	0.335
7231.	0.981	1.904E+4	0.332
7232.	0.981	1.904E+4	0.327
7233.	0.988	1.904E+4	0.33
7234.	0.976	1.904E+4	0.323
7235.	0.987	1.904E+4	0.333
7236.	0.976	1.904E+4	0.334
7237.	0.987	1.904E+4	0.325
7238.	0.988	1.904E+4	0.334
7239.	0.978	1.904E+4	0.328
7240.	0.987	1.904E+4	0.338
7241.	0.984	1.905E+4	0.328
7242.	0.987	1.905E+4	0.327
7243.	0.992	1.905E+4	0.33
7244.	0.985	1.905E+4	0.326
7245.	0.983	1.905E+4	0.326
7246.	0.983	1.905E+4	0.316
7247.	0.981	1.905E+4	0.327
7248.	0.98	1.905E+4	0.332
7249.	0.977	1.905E+4	0.33
7250.	0.987	1.905E+4	0.33
7251.	0.981	1.906E+4	0.33
7252.	0.978	1.906E+4	0.33
7253.	0.985	1.906E+4	0.33
7254.	0.981	1.906E+4	0.339
7255.	0.984	1.906E+4	0.33
7256.	0.987	1.906E+4	0.334
7257.	0.981	1.906E+4	0.332
7258.	0.983	1.906E+4	0.332
7259.	0.976	1.906E+4	0.337
7260.	0.983	1.906E+4	0.338
7261.	0.979	1.907E+4	0.334
7262.	0.99	1.907E+4	0.325
7263.	1.01	1.907E+4	0.333
7264.	0.979	1.907E+4	0.33
7265.	0.979	1.907E+4	0.331
7266.	0.974	1.907E+4	0.338
7267.	0.981	1.907E+4	0.318
7268.	0.979	1.907E+4	0.328
7269.	0.979	1.907E+4	0.33
7270.	0.983	1.907E+4	0.341
7271.	0.984	1.908E+4	0.336
7272.	0.982	1.908E+4	0.333
7273.	0.978	1.908E+4	0.33
7274.	0.97	1.908E+4	0.333
7275.	0.968	1.908E+4	0.338
7276.	0.978	1.908E+4	0.343
7277.	0.979	1.908E+4	0.332
7278.	0.979	1.908E+4	0.33
7279.	0.983	1.908E+4	0.331
7280.	0.992	1.908E+4	0.333

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7281.	0.979	1.909E+4	0.33
7282.	0.979	1.909E+4	0.332
7283.	0.979	1.909E+4	0.34
7284.	0.974	1.909E+4	0.324
7285.	0.981	1.909E+4	0.336
7286.	0.981	1.909E+4	0.331
7287.	0.974	1.909E+4	0.335
7288.	0.97	1.909E+4	0.325
7289.	0.978	1.909E+4	0.332
7290.	0.979	1.909E+4	0.336
7291.	0.983	1.91E+4	0.33
7292.	0.978	1.91E+4	0.334
7293.	0.976	1.91E+4	0.336
7294.	0.976	1.91E+4	0.326
7295.	0.985	1.91E+4	0.33
7296.	0.981	1.91E+4	0.327
7297.	0.979	1.91E+4	0.339
7298.	0.978	1.91E+4	0.327
7299.	0.986	1.91E+4	0.337
7300.	0.978	1.91E+4	0.325
7301.	0.979	1.911E+4	0.333
7302.	0.985	1.911E+4	0.337
7303.	0.979	1.911E+4	0.325
7304.	0.978	1.911E+4	0.325
7305.	0.974	1.911E+4	0.328
7306.	0.978	1.911E+4	0.328
7307.	0.978	1.911E+4	0.33
7308.	0.983	1.911E+4	0.328
7309.	0.983	1.911E+4	0.319
7310.	0.972	1.911E+4	0.337
7311.	0.982	1.912E+4	0.33
7312.	0.978	1.912E+4	0.335
7313.	0.976	1.912E+4	0.328
7314.	0.976	1.912E+4	0.323
7315.	0.976	1.912E+4	0.32
7316.	0.976	1.912E+4	0.329
7317.	0.979	1.912E+4	0.333
7318.	0.979	1.912E+4	0.327
7319.	0.979	1.912E+4	0.323
7320.	0.978	1.912E+4	0.316
7321.	0.979	1.913E+4	0.337
7322.	0.98	1.913E+4	0.333
7323.	0.979	1.913E+4	0.328
7324.	0.978	1.913E+4	0.331
7325.	0.978	1.913E+4	0.334
7326.	0.979	1.913E+4	0.332
7327.	0.974	1.913E+4	0.326
7328.	0.976	1.913E+4	0.332
7329.	0.968	1.913E+4	0.33
7330.	0.978	1.913E+4	0.328
7331.	0.967	1.914E+4	0.327
7332.	0.976	1.914E+4	0.328
7333.	0.979	1.914E+4	0.328
7334.	0.981	1.914E+4	0.335
7335.	0.974	1.914E+4	0.325

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7336.	0.971	1.914E+4	0.326
7337.	0.968	1.914E+4	0.33
7338.	0.974	1.914E+4	0.326
7339.	0.972	1.914E+4	0.333
7340.	0.976	1.914E+4	0.323
7341.	0.98	1.915E+4	0.321
7342.	0.976	1.915E+4	0.333
7343.	0.97	1.915E+4	0.325
7344.	0.974	1.915E+4	0.324
7345.	0.978	1.915E+4	0.323
7346.	0.986	1.915E+4	0.323
7347.	0.967	1.915E+4	0.331
7348.	0.976	1.915E+4	0.331
7349.	0.974	1.915E+4	0.325
7350.	0.974	1.915E+4	0.328
7351.	0.981	1.916E+4	0.328
7352.	0.972	1.916E+4	0.323
7353.	0.977	1.916E+4	0.33
7354.	0.977	1.916E+4	0.332
7355.	0.97	1.916E+4	0.323
7356.	0.972	1.916E+4	0.319
7357.	0.971	1.916E+4	0.331
7358.	0.972	1.916E+4	0.327
7359.	0.972	1.916E+4	0.323
7360.	0.972	1.916E+4	0.319
7361.	0.98	1.917E+4	0.319
7362.	0.968	1.917E+4	0.323
7363.	0.967	1.917E+4	0.327
7364.	0.972	1.917E+4	0.328
7365.	0.978	1.917E+4	0.323
7366.	0.972	1.917E+4	0.325
7367.	0.978	1.917E+4	0.325
7368.	0.97	1.917E+4	0.318
7369.	0.974	1.917E+4	0.327
7370.	0.967	1.917E+4	0.32
7371.	0.968	1.918E+4	0.321
7372.	0.961	1.918E+4	0.319
7373.	0.978	1.918E+4	0.327
7374.	0.97	1.918E+4	0.319
7375.	0.969	1.918E+4	0.331
7376.	0.976	1.918E+4	0.319
7377.	0.972	1.918E+4	0.332
7378.	0.976	1.918E+4	0.329
7379.	0.979	1.918E+4	0.319
7380.	0.976	1.918E+4	0.318
7381.	0.974	1.919E+4	0.319
7382.	0.979	1.919E+4	0.325
7383.	0.968	1.919E+4	0.331
7384.	0.976	1.919E+4	0.332
7385.	0.978	1.919E+4	0.328
7386.	0.97	1.919E+4	0.321
7387.	0.976	1.919E+4	0.324
7388.	0.968	1.919E+4	0.323
7389.	0.969	1.919E+4	0.326
7390.	0.972	1.919E+4	0.328

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7391.	0.974	1.92E+4	0.331
7392.	0.974	1.92E+4	0.326
7393.	0.972	1.92E+4	0.331
7394.	0.976	1.92E+4	0.336
7395.	0.967	1.92E+4	0.328
7396.	0.967	1.92E+4	0.318
7397.	0.972	1.92E+4	0.318
7398.	0.967	1.92E+4	0.321
7399.	0.973	1.92E+4	0.313
7400.	0.968	1.92E+4	0.33
7401.	0.968	1.921E+4	0.328
7402.	0.976	1.921E+4	0.328
7403.	0.967	1.921E+4	0.327
7404.	0.97	1.921E+4	0.333
7405.	0.97	1.921E+4	0.335
7406.	0.968	1.921E+4	0.322
7407.	0.968	1.921E+4	0.331
7408.	0.97	1.921E+4	0.325
7409.	0.968	1.921E+4	0.319
7410.	0.978	1.921E+4	0.328
7411.	0.972	1.922E+4	0.321
7412.	0.976	1.922E+4	0.323
7413.	0.978	1.922E+4	0.348
7414.	0.967	1.922E+4	0.323
7415.	0.97	1.922E+4	0.319
7416.	0.965	1.922E+4	0.327
7417.	0.97	1.922E+4	0.328
7418.	0.974	1.922E+4	0.33
7419.	0.97	1.922E+4	0.314
7420.	0.965	1.922E+4	0.324
7421.	0.978	1.923E+4	0.327
7422.	0.966	1.923E+4	0.328
7423.	0.968	1.923E+4	0.331
7424.	0.967	1.923E+4	0.325
7425.	0.97	1.923E+4	0.325
7426.	0.97	1.923E+4	0.344
7427.	0.973	1.923E+4	0.331
7428.	0.97	1.923E+4	0.328
7429.	0.972	1.923E+4	0.328
7430.	0.959	1.923E+4	0.327
7431.	0.976	1.924E+4	0.328
7432.	0.963	1.924E+4	0.322
7433.	0.968	1.924E+4	0.334
7434.	0.972	1.924E+4	0.323
7435.	0.967	1.924E+4	0.323
7436.	0.967	1.924E+4	0.324
7437.	0.963	1.924E+4	0.332
7438.	0.978	1.924E+4	0.318
7439.	0.961	1.924E+4	0.312
7440.	0.966	1.924E+4	0.33
7441.	0.967	1.925E+4	0.332
7442.	0.976	1.925E+4	0.323
7443.	0.968	1.925E+4	0.325
7444.	0.972	1.925E+4	0.33
7445.	0.97	1.925E+4	0.325

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7446.	0.972	1.925E+4	0.327
7447.	0.967	1.925E+4	0.335
7448.	0.967	1.925E+4	0.321
7449.	0.974	1.925E+4	0.327
7450.	0.968	1.925E+4	0.324
7451.	0.968	1.926E+4	0.325
7452.	0.97	1.926E+4	0.332
7453.	0.972	1.926E+4	0.325
7454.	0.967	1.926E+4	0.327
7455.	0.961	1.926E+4	0.323
7456.	0.967	1.926E+4	0.324
7457.	0.961	1.926E+4	0.331
7458.	0.965	1.926E+4	0.319
7459.	0.969	1.926E+4	0.319
7460.	0.972	1.926E+4	0.319
7461.	0.97	1.927E+4	0.325
7462.	0.961	1.927E+4	0.325
7463.	0.965	1.927E+4	0.323
7464.	0.959	1.927E+4	0.323
7465.	0.97	1.927E+4	0.32
7466.	0.974	1.927E+4	0.327
7467.	0.97	1.927E+4	0.327
7468.	0.97	1.927E+4	0.323
7469.	0.972	1.927E+4	0.326
7470.	0.968	1.927E+4	0.33
7471.	0.963	1.928E+4	0.324
7472.	0.963	1.928E+4	0.321
7473.	0.974	1.928E+4	0.332
7474.	0.959	1.928E+4	0.324
7475.	0.981	1.928E+4	0.331
7476.	0.97	1.928E+4	0.325
7477.	0.968	1.928E+4	0.325
7478.	0.968	1.928E+4	0.318
7479.	0.965	1.928E+4	0.324
7480.	0.978	1.928E+4	0.327
7481.	0.961	1.929E+4	0.324
7482.	0.97	1.929E+4	0.331
7483.	0.97	1.929E+4	0.323
7484.	0.965	1.929E+4	0.326
7485.	0.965	1.929E+4	0.318
7486.	0.965	1.929E+4	0.327
7487.	0.968	1.929E+4	0.323
7488.	0.968	1.929E+4	0.31
7489.	0.967	1.929E+4	0.334
7490.	0.967	1.929E+4	0.328
7491.	0.961	1.93E+4	0.323
7492.	0.967	1.93E+4	0.314
7493.	0.961	1.93E+4	0.328
7494.	0.963	1.93E+4	0.33
7495.	0.97	1.93E+4	0.33
7496.	0.968	1.93E+4	0.325
7497.	0.963	1.93E+4	0.321
7498.	0.963	1.93E+4	0.327
7499.	0.967	1.93E+4	0.323
7500.	0.965	1.93E+4	0.323

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7501.	0.961	1.931E+4	0.324
7502.	0.963	1.931E+4	0.324
7503.	0.974	1.931E+4	0.319
7504.	0.961	1.931E+4	0.321
7505.	0.967	1.931E+4	0.323
7506.	0.96	1.931E+4	0.323
7507.	0.965	1.931E+4	0.324
7508.	0.959	1.931E+4	0.318
7509.	0.965	1.931E+4	0.328
7510.	0.954	1.931E+4	0.327
7511.	0.961	1.932E+4	0.323
7512.	0.963	1.932E+4	0.327
7513.	0.963	1.932E+4	0.348
7514.	0.963	1.932E+4	0.321
7515.	0.964	1.932E+4	0.319
7516.	0.958	1.932E+4	0.324
7517.	0.961	1.932E+4	0.32
7518.	0.968	1.932E+4	0.322
7519.	0.956	1.932E+4	0.313
7520.	0.966	1.932E+4	0.316
7521.	0.965	1.933E+4	0.321
7522.	0.965	1.933E+4	0.32
7523.	0.964	1.933E+4	0.319
7524.	0.959	1.933E+4	0.32
7525.	0.967	1.933E+4	0.318
7526.	0.965	1.933E+4	0.328
7527.	0.959	1.933E+4	0.321
7528.	0.966	1.933E+4	0.328
7529.	0.963	1.933E+4	0.319
7530.	0.961	1.933E+4	0.322
7531.	0.957	1.934E+4	0.321
7532.	0.963	1.934E+4	0.319
7533.	0.947	1.934E+4	0.321
7534.	0.956	1.934E+4	0.326
7535.	0.965	1.934E+4	0.319
7536.	0.964	1.934E+4	0.325
7537.	0.965	1.934E+4	0.324
7538.	0.963	1.934E+4	0.319
7539.	0.966	1.934E+4	0.328
7540.	0.961	1.934E+4	0.322
7541.	0.963	1.935E+4	0.316
7542.	0.965	1.935E+4	0.319
7543.	0.954	1.935E+4	0.326
7544.	0.967	1.935E+4	0.321
7545.	0.965	1.935E+4	0.32
7546.	0.967	1.935E+4	0.31
7547.	0.961	1.935E+4	0.317
7548.	0.959	1.935E+4	0.318
7549.	0.963	1.935E+4	0.312
7550.	0.967	1.935E+4	0.308
7551.	0.956	1.936E+4	0.319
7552.	0.963	1.936E+4	0.316
7553.	0.959	1.936E+4	0.327
7554.	0.956	1.936E+4	0.315
7555.	0.957	1.936E+4	0.325

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7556.	0.958	1.936E+4	0.318
7557.	0.966	1.936E+4	0.306
7558.	0.959	1.936E+4	0.316
7559.	0.961	1.936E+4	0.32
7560.	0.954	1.936E+4	0.323
7561.	0.958	1.937E+4	0.325
7562.	0.961	1.937E+4	0.319
7563.	0.958	1.937E+4	0.319
7564.	0.963	1.937E+4	0.318
7565.	0.957	1.937E+4	0.326
7566.	0.952	1.937E+4	0.332
7567.	0.958	1.937E+4	0.319
7568.	0.961	1.937E+4	0.313
7569.	0.961	1.937E+4	0.323
7570.	0.951	1.937E+4	0.318
7571.	0.958	1.938E+4	0.328
7572.	0.958	1.938E+4	0.314
7573.	0.961	1.938E+4	0.322
7574.	0.958	1.938E+4	0.321
7575.	0.965	1.938E+4	0.323
7576.	0.963	1.938E+4	0.321
7577.	0.959	1.938E+4	0.316
7578.	0.966	1.938E+4	0.319
7579.	0.965	1.938E+4	0.318
7580.	0.959	1.938E+4	0.312
7581.	0.959	1.939E+4	0.319
7582.	0.956	1.939E+4	0.318
7583.	0.959	1.939E+4	0.319
7584.	0.959	1.939E+4	0.322
7585.	0.965	1.939E+4	0.319
7586.	0.951	1.939E+4	0.316
7587.	0.958	1.939E+4	0.31
7588.	0.952	1.939E+4	0.318
7589.	0.965	1.939E+4	0.32
7590.	0.954	1.939E+4	0.317
7591.	0.965	1.94E+4	0.318
7592.	0.965	1.94E+4	0.315
7593.	0.959	1.94E+4	0.319
7594.	0.958	1.94E+4	0.31
7595.	0.963	1.94E+4	0.308
7596.	0.954	1.94E+4	0.312
7597.	0.95	1.94E+4	0.319
7598.	0.958	1.94E+4	0.315
7599.	0.957	1.94E+4	0.317
7600.	0.945	1.94E+4	0.31
7601.	0.959	1.941E+4	0.317
7602.	0.958	1.941E+4	0.317
7603.	0.959	1.941E+4	0.308
7604.	0.954	1.941E+4	0.316
7605.	0.954	1.941E+4	0.314
7606.	0.957	1.941E+4	0.309
7607.	0.963	1.941E+4	0.324
7608.	0.956	1.941E+4	0.317
7609.	0.954	1.941E+4	0.312
7610.	0.964	1.941E+4	0.312

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7611.	0.952	1.942E+4	0.316
7612.	0.954	1.942E+4	0.314
7613.	0.949	1.942E+4	0.317
7614.	0.961	1.942E+4	0.313
7615.	0.945	1.942E+4	0.312
7616.	0.956	1.942E+4	0.323
7617.	0.952	1.942E+4	0.314
7618.	0.956	1.942E+4	0.308
7619.	0.959	1.942E+4	0.318
7620.	0.961	1.942E+4	0.327
7621.	0.967	1.943E+4	0.327
7622.	0.954	1.943E+4	0.317
7623.	0.958	1.943E+4	0.316
7624.	0.954	1.943E+4	0.317
7625.	0.956	1.943E+4	0.316
7626.	0.958	1.943E+4	0.318
7627.	0.963	1.943E+4	0.314
7628.	0.958	1.943E+4	0.312
7629.	0.95	1.943E+4	0.32
7630.	0.951	1.943E+4	0.307
7631.	0.959	1.944E+4	0.315
7632.	0.959	1.944E+4	0.314
7633.	0.952	1.944E+4	0.297
7634.	0.961	1.944E+4	0.322
7635.	0.958	1.944E+4	0.31
7636.	0.958	1.944E+4	0.322
7637.	0.954	1.944E+4	0.31
7638.	0.952	1.944E+4	0.315
7639.	0.952	1.944E+4	0.319
7640.	0.956	1.944E+4	0.316
7641.	0.952	1.945E+4	0.316
7642.	0.956	1.945E+4	0.313
7643.	0.947	1.945E+4	0.313
7644.	0.952	1.945E+4	0.321
7645.	0.956	1.945E+4	0.316
7646.	0.959	1.945E+4	0.318
7647.	0.954	1.945E+4	0.319
7648.	0.945	1.945E+4	0.316
7649.	0.95	1.945E+4	0.318
7650.	0.954	1.945E+4	0.317
7651.	0.956	1.946E+4	0.31
7652.	0.956	1.946E+4	0.308
7653.	0.951	1.946E+4	0.315
7654.	0.959	1.946E+4	0.312
7655.	0.952	1.946E+4	0.309
7656.	0.959	1.946E+4	0.308
7657.	0.952	1.946E+4	0.316
7658.	0.956	1.946E+4	0.315
7659.	0.954	1.946E+4	0.316
7660.	0.957	1.946E+4	0.316
7661.	0.948	1.947E+4	0.314
7662.	0.952	1.947E+4	0.311
7663.	0.954	1.947E+4	0.32
7664.	0.947	1.947E+4	0.311
7665.	0.956	1.947E+4	0.308

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7666.	0.952	1.947E+4	0.314
7667.	0.954	1.947E+4	0.31
7668.	0.956	1.947E+4	0.318
7669.	0.95	1.947E+4	0.314
7670.	0.952	1.947E+4	0.321
7671.	0.95	1.948E+4	0.319
7672.	0.944	1.948E+4	0.317
7673.	0.945	1.948E+4	0.314
7674.	0.955	1.948E+4	0.322
7675.	0.948	1.948E+4	0.319
7676.	0.945	1.948E+4	0.305
7677.	0.954	1.948E+4	0.312
7678.	0.957	1.948E+4	0.316
7679.	0.95	1.948E+4	0.316
7680.	0.949	1.948E+4	0.321
7681.	0.957	1.949E+4	0.314
7682.	0.946	1.949E+4	0.321
7683.	0.947	1.949E+4	0.312
7684.	0.951	1.949E+4	0.322
7685.	0.947	1.949E+4	0.315
7686.	0.95	1.949E+4	0.323
7687.	0.948	1.949E+4	0.314
7688.	0.95	1.949E+4	0.318
7689.	0.955	1.949E+4	0.319
7690.	0.954	1.949E+4	0.318
7691.	0.937	1.95E+4	0.32
7692.	0.947	1.95E+4	0.319
7693.	0.951	1.95E+4	0.296
7694.	0.954	1.95E+4	0.31
7695.	0.952	1.95E+4	0.316
7696.	0.948	1.95E+4	0.312
7697.	0.948	1.95E+4	0.31
7698.	0.954	1.95E+4	0.31
7699.	0.945	1.95E+4	0.315
7700.	0.945	1.95E+4	0.316
7701.	0.945	1.951E+4	0.311
7702.	0.963	1.951E+4	0.313
7703.	0.952	1.951E+4	0.307
7704.	0.943	1.951E+4	0.308
7705.	0.95	1.951E+4	0.317
7706.	0.95	1.951E+4	0.308
7707.	0.959	1.951E+4	0.314
7708.	0.947	1.951E+4	0.318
7709.	0.948	1.951E+4	0.318
7710.	0.95	1.951E+4	0.325
7711.	0.944	1.952E+4	0.313
7712.	0.947	1.952E+4	0.304
7713.	0.938	1.952E+4	0.314
7714.	0.948	1.952E+4	0.322
7715.	0.948	1.952E+4	0.31
7716.	0.956	1.952E+4	0.314
7717.	0.95	1.952E+4	0.315
7718.	0.947	1.952E+4	0.312
7719.	0.952	1.952E+4	0.315
7720.	0.952	1.952E+4	0.291

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7721.	0.948	1.953E+4	0.313
7722.	0.949	1.953E+4	0.313
7723.	0.949	1.953E+4	0.307
7724.	0.956	1.953E+4	0.308
7725.	0.95	1.953E+4	0.311
7726.	0.927	1.953E+4	0.305
7727.	0.945	1.953E+4	0.315
7728.	0.939	1.953E+4	0.319
7729.	0.96	1.953E+4	0.319
7730.	0.945	1.953E+4	0.317
7731.	0.945	1.954E+4	0.319
7732.	0.947	1.954E+4	0.312
7733.	0.948	1.954E+4	0.311
7734.	0.944	1.954E+4	0.325
7735.	0.948	1.954E+4	0.314
7736.	0.952	1.954E+4	0.317
7737.	0.943	1.954E+4	0.312
7738.	0.945	1.954E+4	0.312
7739.	0.947	1.954E+4	0.315
7740.	0.947	1.954E+4	0.308
7741.	0.946	1.955E+4	0.31
7742.	0.943	1.955E+4	0.315
7743.	0.945	1.955E+4	0.312
7744.	0.947	1.955E+4	0.31
7745.	0.943	1.955E+4	0.323
7746.	0.934	1.955E+4	0.325
7747.	0.932	1.955E+4	0.315
7748.	0.944	1.955E+4	0.318
7749.	0.939	1.955E+4	0.308
7750.	0.947	1.955E+4	0.317
7751.	0.947	1.956E+4	0.31
7752.	0.934	1.956E+4	0.327
7753.	0.945	1.956E+4	0.314
7754.	0.938	1.956E+4	0.312
7755.	0.94	1.956E+4	0.31
7756.	0.942	1.956E+4	0.315
7757.	0.934	1.956E+4	0.313
7758.	0.938	1.956E+4	0.301
7759.	0.943	1.956E+4	0.317
7760.	0.943	1.956E+4	0.311
7761.	0.941	1.957E+4	0.316
7762.	0.938	1.957E+4	0.319
7763.	0.947	1.957E+4	0.311
7764.	0.943	1.957E+4	0.312
7765.	0.943	1.957E+4	0.329
7766.	0.945	1.957E+4	0.308
7767.	0.947	1.957E+4	0.309
7768.	0.948	1.957E+4	0.312
7769.	0.938	1.957E+4	0.315
7770.	0.942	1.957E+4	0.314
7771.	0.948	1.958E+4	0.312
7772.	0.939	1.958E+4	0.318
7773.	0.943	1.958E+4	0.308
7774.	0.945	1.958E+4	0.31
7775.	0.947	1.958E+4	0.323

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7776.	0.95	1.958E+4	0.308
7777.	0.948	1.958E+4	0.315
7778.	0.938	1.958E+4	0.304
7779.	0.938	1.958E+4	0.315
7780.	0.943	1.958E+4	0.311
7781.	0.947	1.959E+4	0.314
7782.	0.945	1.959E+4	0.306
7783.	0.949	1.959E+4	0.307
7784.	0.939	1.959E+4	0.314
7785.	0.948	1.959E+4	0.311
7786.	0.939	1.959E+4	0.305
7787.	0.939	1.959E+4	0.311
7788.	0.938	1.959E+4	0.306
7789.	0.94	1.959E+4	0.31
7790.	0.94	1.959E+4	0.317
7791.	0.942	1.96E+4	0.311
7792.	0.938	1.96E+4	0.309
7793.	0.939	1.96E+4	0.317
7794.	0.924	1.96E+4	0.308
7795.	0.945	1.96E+4	0.312
7796.	0.948	1.96E+4	0.311
7797.	0.939	1.96E+4	0.311
7798.	0.938	1.96E+4	0.312
7799.	0.943	1.96E+4	0.308
7800.	0.939	1.96E+4	0.312
7801.	0.936	1.961E+4	0.313
7802.	0.938	1.961E+4	0.309
7803.	0.951	1.961E+4	0.312
7804.	0.939	1.961E+4	0.31
7805.	0.939	1.961E+4	0.31
7806.	0.943	1.961E+4	0.301
7807.	0.946	1.961E+4	0.305
7808.	0.942	1.961E+4	0.299
7809.	0.943	1.961E+4	0.317
7810.	0.95	1.961E+4	0.305
7811.	0.947	1.962E+4	0.309
7812.	0.947	1.962E+4	0.309
7813.	0.943	1.962E+4	0.312
7814.	0.935	1.962E+4	0.306
7815.	0.947	1.962E+4	0.307
7816.	0.934	1.962E+4	0.303
7817.	0.943	1.962E+4	0.311
7818.	0.95	1.962E+4	0.297
7819.	0.938	1.962E+4	0.31
7820.	0.945	1.962E+4	0.308
7821.	0.942	1.963E+4	0.315
7822.	0.944	1.963E+4	0.307
7823.	0.948	1.963E+4	0.307
7824.	0.947	1.963E+4	0.321
7825.	0.939	1.963E+4	0.307
7826.	0.939	1.963E+4	0.308
7827.	0.938	1.963E+4	0.307
7828.	0.941	1.963E+4	0.317
7829.	0.947	1.963E+4	0.301
7830.	0.947	1.963E+4	0.311

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7831.	0.938	1.964E+4	0.307
7832.	0.939	1.964E+4	0.306
7833.	0.941	1.964E+4	0.301
7834.	0.939	1.964E+4	0.311
7835.	0.938	1.964E+4	0.307
7836.	0.94	1.964E+4	0.305
7837.	0.938	1.964E+4	0.308
7838.	0.937	1.964E+4	0.314
7839.	0.938	1.964E+4	0.31
7840.	0.937	1.964E+4	0.308
7841.	0.942	1.965E+4	0.311
7842.	0.939	1.965E+4	0.3
7843.	0.941	1.965E+4	0.308
7844.	0.933	1.965E+4	0.299
7845.	0.94	1.965E+4	0.299
7846.	0.937	1.965E+4	0.309
7847.	0.945	1.965E+4	0.305
7848.	0.948	1.965E+4	0.308
7849.	0.936	1.965E+4	0.316
7850.	0.941	1.965E+4	0.314
7851.	0.934	1.966E+4	0.306
7852.	0.939	1.966E+4	0.306
7853.	0.931	1.966E+4	0.311
7854.	0.938	1.966E+4	0.311
7855.	0.939	1.966E+4	0.319
7856.	0.938	1.966E+4	0.301
7857.	0.935	1.966E+4	0.305
7858.	0.936	1.966E+4	0.312
7859.	0.936	1.966E+4	0.308
7860.	0.939	1.966E+4	0.303
7861.	0.941	1.967E+4	0.302
7862.	0.932	1.967E+4	0.309
7863.	0.932	1.967E+4	0.311
7864.	0.938	1.967E+4	0.315
7865.	0.933	1.967E+4	0.294
7866.	0.941	1.967E+4	0.31
7867.	0.941	1.967E+4	0.302
7868.	0.939	1.967E+4	0.308
7869.	0.939	1.967E+4	0.303
7870.	0.939	1.967E+4	0.308
7871.	0.945	1.968E+4	0.302
7872.	0.941	1.968E+4	0.308
7873.	0.932	1.968E+4	0.308
7874.	0.945	1.968E+4	0.306
7875.	0.945	1.968E+4	0.307
7876.	0.938	1.968E+4	0.303
7877.	0.943	1.968E+4	0.303
7878.	0.936	1.968E+4	0.311
7879.	0.934	1.968E+4	0.304
7880.	0.926	1.968E+4	0.315
7881.	0.938	1.969E+4	0.315
7882.	0.936	1.969E+4	0.316
7883.	0.934	1.969E+4	0.306
7884.	0.932	1.969E+4	0.31
7885.	0.934	1.969E+4	0.299

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7886.	0.938	1.969E+4	0.307
7887.	0.938	1.969E+4	0.305
7888.	0.93	1.969E+4	0.299
7889.	0.932	1.969E+4	0.294
7890.	0.938	1.969E+4	0.299
7891.	0.932	1.97E+4	0.304
7892.	0.939	1.97E+4	0.299
7893.	0.926	1.97E+4	0.307
7894.	0.933	1.97E+4	0.31
7895.	0.936	1.97E+4	0.311
7896.	0.932	1.97E+4	0.305
7897.	0.932	1.97E+4	0.308
7898.	0.939	1.97E+4	0.308
7899.	0.932	1.97E+4	0.302
7900.	0.934	1.97E+4	0.299
7901.	0.936	1.971E+4	0.299
7902.	0.939	1.971E+4	0.295
7903.	0.936	1.971E+4	0.303
7904.	0.929	1.971E+4	0.311
7905.	0.936	1.971E+4	0.299
7906.	0.93	1.971E+4	0.307
7907.	0.934	1.971E+4	0.307
7908.	0.947	1.971E+4	0.301
7909.	0.943	1.971E+4	0.3
7910.	0.93	1.971E+4	0.301
7911.	0.941	1.972E+4	0.302
7912.	0.927	1.972E+4	0.305
7913.	0.927	1.972E+4	0.307
7914.	0.938	1.972E+4	0.299
7915.	0.932	1.972E+4	0.301
7916.	0.934	1.972E+4	0.305
7917.	0.936	1.972E+4	0.303
7918.	0.929	1.972E+4	0.299
7919.	0.932	1.972E+4	0.3
7920.	0.936	1.972E+4	0.313
7921.	0.932	1.973E+4	0.311
7922.	0.932	1.973E+4	0.31
7923.	0.934	1.973E+4	0.308
7924.	0.933	1.973E+4	0.307
7925.	0.931	1.973E+4	0.305
7926.	0.934	1.973E+4	0.3
7927.	0.934	1.973E+4	0.3
7928.	0.936	1.973E+4	0.306
7929.	0.93	1.973E+4	0.297
7930.	0.936	1.973E+4	0.299
7931.	0.934	1.974E+4	0.312
7932.	0.927	1.974E+4	0.296
7933.	0.936	1.974E+4	0.294
7934.	0.934	1.974E+4	0.312
7935.	0.938	1.974E+4	0.317
7936.	0.927	1.974E+4	0.315
7937.	0.915	1.974E+4	0.307
7938.	0.929	1.974E+4	0.308
7939.	0.936	1.974E+4	0.296
7940.	0.932	1.974E+4	0.312

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7941.	0.934	1.975E+4	0.303
7942.	0.934	1.975E+4	0.297
7943.	0.937	1.975E+4	0.297
7944.	0.926	1.975E+4	0.304
7945.	0.93	1.975E+4	0.301
7946.	0.925	1.975E+4	0.3
7947.	0.924	1.975E+4	0.311
7948.	0.93	1.975E+4	0.302
7949.	0.932	1.975E+4	0.302
7950.	0.936	1.975E+4	0.31
7951.	0.932	1.976E+4	0.307
7952.	0.933	1.976E+4	0.306
7953.	0.93	1.976E+4	0.307
7954.	0.932	1.976E+4	0.307
7955.	0.941	1.976E+4	0.308
7956.	0.926	1.976E+4	0.317
7957.	0.936	1.976E+4	0.307
7958.	0.927	1.976E+4	0.309
7959.	0.938	1.976E+4	0.307
7960.	0.927	1.976E+4	0.309
7961.	0.918	1.977E+4	0.308
7962.	0.925	1.977E+4	0.302
7963.	0.938	1.977E+4	0.303
7964.	0.934	1.977E+4	0.302
7965.	0.93	1.977E+4	0.304
7966.	0.936	1.977E+4	0.307
7967.	0.929	1.977E+4	0.297
7968.	0.925	1.977E+4	0.299
7969.	0.931	1.977E+4	0.302
7970.	0.93	1.977E+4	0.302
7971.	0.927	1.978E+4	0.3
7972.	0.932	1.978E+4	0.31
7973.	0.927	1.978E+4	0.308
7974.	0.921	1.978E+4	0.304
7975.	0.929	1.978E+4	0.307
7976.	0.929	1.978E+4	0.308
7977.	0.924	1.978E+4	0.309
7978.	0.919	1.978E+4	0.299
7979.	0.929	1.978E+4	0.305
7980.	0.927	1.978E+4	0.301
7981.	0.926	1.979E+4	0.301
7982.	0.936	1.979E+4	0.309
7983.	0.929	1.979E+4	0.306
7984.	0.927	1.979E+4	0.303
7985.	0.925	1.979E+4	0.305
7986.	0.925	1.979E+4	0.303
7987.	0.927	1.979E+4	0.303
7988.	0.921	1.979E+4	0.3
7989.	0.929	1.979E+4	0.303
7990.	0.927	1.979E+4	0.296
7991.	0.925	1.98E+4	0.313
7992.	0.929	1.98E+4	0.307
7993.	0.929	1.98E+4	0.305
7994.	0.927	1.98E+4	0.308
7995.	0.925	1.98E+4	0.299

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
7996.	0.919	1.98E+4	0.309
7997.	0.927	1.98E+4	0.305
7998.	0.921	1.98E+4	0.299
7999.	0.925	1.98E+4	0.308
8000.	0.919	1.98E+4	0.299
8001.	0.93	1.981E+4	0.306
8002.	0.929	1.981E+4	0.306
8003.	0.925	1.981E+4	0.302
8004.	0.923	1.981E+4	0.3
8005.	0.912	1.981E+4	0.308
8006.	0.919	1.981E+4	0.303
8007.	0.923	1.981E+4	0.306
8008.	0.927	1.981E+4	0.305
8009.	0.925	1.981E+4	0.301
8010.	0.927	1.981E+4	0.303
8011.	0.923	1.982E+4	0.303
8012.	0.927	1.982E+4	0.299
8013.	0.934	1.982E+4	0.305
8014.	0.927	1.982E+4	0.304
8015.	0.93	1.982E+4	0.295
8016.	0.932	1.982E+4	0.301
8017.	0.929	1.982E+4	0.299
8018.	0.924	1.982E+4	0.305
8019.	0.929	1.982E+4	0.299
8020.	0.927	1.982E+4	0.299
8021.	0.927	1.983E+4	0.308
8022.	0.923	1.983E+4	0.306
8023.	0.923	1.983E+4	0.302
8024.	0.927	1.983E+4	0.304
8025.	0.923	1.983E+4	0.304
8026.	0.923	1.983E+4	0.296
8027.	0.918	1.983E+4	0.303
8028.	0.938	1.983E+4	0.303
8029.	0.93	1.983E+4	0.297
8030.	0.932	1.983E+4	0.288
8031.	0.921	1.984E+4	0.307
8032.	0.923	1.984E+4	0.299
8033.	0.929	1.984E+4	0.293
8034.	0.921	1.984E+4	0.292
8035.	0.938	1.984E+4	0.297
8036.	0.926	1.984E+4	0.303
8037.	0.931	1.984E+4	0.297
8038.	0.934	1.984E+4	0.302
8039.	0.924	1.984E+4	0.296
8040.	0.927	1.984E+4	0.297
8041.	0.932	1.985E+4	0.296
8042.	0.919	1.985E+4	0.297
8043.	0.923	1.985E+4	0.302
8044.	0.921	1.985E+4	0.304
8045.	0.914	1.985E+4	0.302
8046.	0.926	1.985E+4	0.292
8047.	0.921	1.985E+4	0.302
8048.	0.927	1.985E+4	0.297
8049.	0.927	1.985E+4	0.296
8050.	0.927	1.985E+4	0.294

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8051.	0.923	1.986E+4	0.302
8052.	0.929	1.986E+4	0.299
8053.	0.93	1.986E+4	0.303
8054.	0.927	1.986E+4	0.299
8055.	0.923	1.986E+4	0.295
8056.	0.923	1.986E+4	0.301
8057.	0.924	1.986E+4	0.287
8058.	0.918	1.986E+4	0.295
8059.	0.929	1.986E+4	0.301
8060.	0.923	1.986E+4	0.304
8061.	0.927	1.987E+4	0.312
8062.	0.929	1.987E+4	0.297
8063.	0.929	1.987E+4	0.295
8064.	0.929	1.987E+4	0.302
8065.	0.919	1.987E+4	0.294
8066.	0.922	1.987E+4	0.302
8067.	0.921	1.987E+4	0.306
8068.	0.93	1.987E+4	0.299
8069.	0.923	1.987E+4	0.299
8070.	0.921	1.987E+4	0.294
8071.	0.929	1.988E+4	0.296
8072.	0.954	1.988E+4	0.297
8073.	0.927	1.988E+4	0.288
8074.	0.931	1.988E+4	0.3
8075.	0.927	1.988E+4	0.302
8076.	0.923	1.988E+4	0.301
8077.	0.921	1.988E+4	0.306
8078.	0.929	1.988E+4	0.301
8079.	0.92	1.988E+4	0.296
8080.	0.921	1.988E+4	0.306
8081.	0.924	1.989E+4	0.301
8082.	0.907	1.989E+4	0.297
8083.	0.927	1.989E+4	0.304
8084.	0.919	1.989E+4	0.318
8085.	0.923	1.989E+4	0.3
8086.	0.919	1.989E+4	0.301
8087.	0.929	1.989E+4	0.306
8088.	0.917	1.989E+4	0.294
8089.	0.923	1.989E+4	0.296
8090.	0.925	1.989E+4	0.3
8091.	0.919	1.99E+4	0.309
8092.	0.923	1.99E+4	0.305
8093.	0.921	1.99E+4	0.302
8094.	0.929	1.99E+4	0.296
8095.	0.927	1.99E+4	0.296
8096.	0.932	1.99E+4	0.303
8097.	0.927	1.99E+4	0.29
8098.	0.927	1.99E+4	0.299
8099.	0.936	1.99E+4	0.303
8100.	0.925	1.99E+4	0.307
8101.	0.931	1.991E+4	0.304
8102.	0.919	1.991E+4	0.295
8103.	0.918	1.991E+4	0.301
8104.	0.925	1.991E+4	0.31
8105.	0.922	1.991E+4	0.303

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8106.	0.914	1.991E+4	0.293
8107.	0.909	1.991E+4	0.312
8108.	0.918	1.991E+4	0.299
8109.	0.918	1.991E+4	0.299
8110.	0.921	1.991E+4	0.303
8111.	0.925	1.992E+4	0.294
8112.	0.92	1.992E+4	0.303
8113.	0.919	1.992E+4	0.306
8114.	0.923	1.992E+4	0.29
8115.	0.925	1.992E+4	0.295
8116.	0.929	1.992E+4	0.299
8117.	0.925	1.992E+4	0.299
8118.	0.917	1.992E+4	0.29
8119.	0.923	1.992E+4	0.295
8120.	0.918	1.992E+4	0.301
8121.	0.921	1.993E+4	0.3
8122.	0.919	1.993E+4	0.296
8123.	0.918	1.993E+4	0.297
8124.	0.918	1.993E+4	0.305
8125.	0.93	1.993E+4	0.29
8126.	0.91	1.993E+4	0.299
8127.	0.919	1.993E+4	0.295
8128.	0.919	1.993E+4	0.294
8129.	0.923	1.993E+4	0.285
8130.	0.922	1.993E+4	0.271
8131.	0.923	1.994E+4	0.296
8132.	0.918	1.994E+4	0.294
8133.	0.918	1.994E+4	0.31
8134.	0.919	1.994E+4	0.3
8135.	0.921	1.994E+4	0.297
8136.	0.923	1.994E+4	0.292
8137.	0.918	1.994E+4	0.295
8138.	0.916	1.994E+4	0.297
8139.	0.921	1.994E+4	0.297
8140.	0.919	1.994E+4	0.297
8141.	0.927	1.995E+4	0.296
8142.	0.921	1.995E+4	0.289
8143.	0.923	1.995E+4	0.299
8144.	0.921	1.995E+4	0.294
8145.	0.919	1.995E+4	0.288
8146.	0.927	1.995E+4	0.292
8147.	0.907	1.995E+4	0.294
8148.	0.919	1.995E+4	0.308
8149.	0.921	1.995E+4	0.299
8150.	0.919	1.995E+4	0.297
8151.	0.918	1.996E+4	0.29
8152.	0.921	1.996E+4	0.293
8153.	0.916	1.996E+4	0.292
8154.	0.919	1.996E+4	0.292
8155.	0.927	1.996E+4	0.296
8156.	0.916	1.996E+4	0.297
8157.	0.909	1.996E+4	0.299
8158.	0.921	1.996E+4	0.297
8159.	0.915	1.996E+4	0.296
8160.	0.909	1.996E+4	0.297

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8161.	0.923	1.997E+4	0.294
8162.	0.916	1.997E+4	0.288
8163.	0.914	1.997E+4	0.288
8164.	0.914	1.997E+4	0.281
8165.	0.917	1.997E+4	0.297
8166.	0.918	1.997E+4	0.292
8167.	0.913	1.997E+4	0.292
8168.	0.925	1.997E+4	0.289
8169.	0.912	1.997E+4	0.295
8170.	0.916	1.997E+4	0.296
8171.	0.921	1.998E+4	0.288
8172.	0.918	1.998E+4	0.288
8173.	0.917	1.998E+4	0.293
8174.	0.918	1.998E+4	0.292
8175.	0.919	1.998E+4	0.29
8176.	0.913	1.998E+4	0.288
8177.	0.923	1.998E+4	0.278
8178.	0.93	1.998E+4	0.292
8179.	0.916	1.998E+4	0.296
8180.	0.923	1.998E+4	0.296
8181.	0.921	1.999E+4	0.295
8182.	0.918	1.999E+4	0.291
8183.	0.912	1.999E+4	0.297
8184.	0.915	1.999E+4	0.296
8185.	0.923	1.999E+4	0.287
8186.	0.916	1.999E+4	0.29
8187.	0.918	1.999E+4	0.314
8188.	0.927	1.999E+4	0.292
8189.	0.913	1.999E+4	0.294
8190.	0.916	1.999E+4	0.292
8191.	0.914	2.0E+4	0.299
8192.	0.914	2.0E+4	0.285
8193.	0.911	2.0E+4	0.294
8194.	0.921	2.0E+4	0.297
8195.	0.919	2.0E+4	0.296
8196.	0.921	2.0E+4	0.279
8197.	0.911	2.0E+4	0.287
8198.	0.918	2.0E+4	0.287
8199.	0.912	2.0E+4	0.294
8200.	0.91	2.0E+4	0.285
8201.	0.914	2.001E+4	0.283
8202.	0.916	2.001E+4	0.293
8203.	0.917	2.001E+4	0.292
8204.	0.919	2.001E+4	0.288
8205.	0.918	2.001E+4	0.292
8206.	0.914	2.001E+4	0.29
8207.	0.916	2.001E+4	0.293
8208.	0.914	2.001E+4	0.296
8209.	0.919	2.001E+4	0.287
8210.	0.91	2.001E+4	0.286
8211.	0.909	2.002E+4	0.293
8212.	0.917	2.002E+4	0.29
8213.	0.921	2.002E+4	0.295
8214.	0.912	2.002E+4	0.29
8215.	0.919	2.002E+4	0.296

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8216.	0.91	2.002E+4	0.294
8217.	0.918	2.002E+4	0.292
8218.	0.929	2.002E+4	0.292
8219.	0.902	2.002E+4	0.287
8220.	0.919	2.002E+4	0.288
8221.	0.907	2.003E+4	0.294
8222.	0.917	2.003E+4	0.285
8223.	0.912	2.003E+4	0.32
8224.	0.911	2.003E+4	0.283
8225.	0.916	2.003E+4	0.287
8226.	0.914	2.003E+4	0.285
8227.	0.912	2.003E+4	0.294
8228.	0.914	2.003E+4	0.279
8229.	0.906	2.003E+4	0.296
8230.	0.919	2.003E+4	0.287
8231.	0.917	2.004E+4	0.296
8232.	0.91	2.004E+4	0.288
8233.	0.914	2.004E+4	0.296
8234.	0.909	2.004E+4	0.294
8235.	0.914	2.004E+4	0.314
8236.	0.912	2.004E+4	0.285
8237.	0.919	2.004E+4	0.283
8238.	0.916	2.004E+4	0.288
8239.	0.917	2.004E+4	0.287
8240.	0.921	2.004E+4	0.296
8241.	0.914	2.005E+4	0.296
8242.	0.91	2.005E+4	0.292
8243.	0.91	2.005E+4	0.294
8244.	0.915	2.005E+4	0.302
8245.	0.912	2.005E+4	0.293
8246.	0.912	2.005E+4	0.288
8247.	0.916	2.005E+4	0.3
8248.	0.912	2.005E+4	0.288
8249.	0.906	2.005E+4	0.296
8250.	0.919	2.005E+4	0.29
8251.	0.916	2.006E+4	0.297
8252.	0.914	2.006E+4	0.297
8253.	0.918	2.006E+4	0.294
8254.	0.91	2.006E+4	0.297
8255.	0.918	2.006E+4	0.291
8256.	0.913	2.006E+4	0.299
8257.	0.919	2.006E+4	0.26
8258.	0.91	2.006E+4	0.294
8259.	0.925	2.006E+4	0.296
8260.	0.916	2.006E+4	0.307
8261.	0.92	2.007E+4	0.296
8262.	0.909	2.007E+4	0.296
8263.	0.918	2.007E+4	0.288
8264.	0.918	2.007E+4	0.292
8265.	0.919	2.007E+4	0.288
8266.	0.918	2.007E+4	0.292
8267.	0.913	2.007E+4	0.294
8268.	0.914	2.007E+4	0.297
8269.	0.919	2.007E+4	0.295
8270.	0.919	2.007E+4	0.285

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8271.	0.919	2.008E+4	0.296
8272.	0.916	2.008E+4	0.291
8273.	0.925	2.008E+4	0.292
8274.	0.916	2.008E+4	0.297
8275.	0.91	2.008E+4	0.288
8276.	0.907	2.008E+4	0.287
8277.	0.909	2.008E+4	0.29
8278.	0.923	2.008E+4	0.294
8279.	0.918	2.008E+4	0.297
8280.	0.912	2.008E+4	0.294
8281.	0.915	2.009E+4	0.297
8282.	0.906	2.009E+4	0.293
8283.	0.907	2.009E+4	0.299
8284.	0.91	2.009E+4	0.289
8285.	0.909	2.009E+4	0.301
8286.	0.904	2.009E+4	0.294
8287.	0.918	2.009E+4	0.283
8288.	0.905	2.009E+4	0.277
8289.	0.918	2.009E+4	0.294
8290.	0.907	2.009E+4	0.283
8291.	0.912	2.01E+4	0.288
8292.	0.909	2.01E+4	0.295
8293.	0.912	2.01E+4	0.294
8294.	0.912	2.01E+4	0.321
8295.	0.907	2.01E+4	0.291
8296.	0.916	2.01E+4	0.291
8297.	0.907	2.01E+4	0.29
8298.	0.907	2.01E+4	0.288
8299.	0.91	2.01E+4	0.283
8300.	0.909	2.01E+4	0.287
8301.	0.909	2.011E+4	0.285
8302.	0.916	2.011E+4	0.287
8303.	0.916	2.011E+4	0.29
8304.	0.91	2.011E+4	0.288
8305.	0.909	2.011E+4	0.29
8306.	0.917	2.011E+4	0.287
8307.	0.903	2.011E+4	0.292
8308.	0.907	2.011E+4	0.294
8309.	0.909	2.011E+4	0.285
8310.	0.909	2.011E+4	0.291
8311.	0.905	2.012E+4	0.287
8312.	0.907	2.012E+4	0.294
8313.	0.909	2.012E+4	0.29
8314.	0.91	2.012E+4	0.293
8315.	0.906	2.012E+4	0.285
8316.	0.907	2.012E+4	0.289
8317.	0.909	2.012E+4	0.285
8318.	0.905	2.012E+4	0.292
8319.	0.907	2.012E+4	0.296
8320.	0.904	2.012E+4	0.296
8321.	0.911	2.013E+4	0.29
8322.	0.912	2.013E+4	0.292
8323.	0.912	2.013E+4	0.292
8324.	0.91	2.013E+4	0.29
8325.	0.905	2.013E+4	0.292

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8326.	0.913	2.013E+4	0.289
8327.	0.905	2.013E+4	0.287
8328.	0.907	2.013E+4	0.288
8329.	0.901	2.013E+4	0.285
8330.	0.907	2.013E+4	0.285
8331.	0.902	2.014E+4	0.289
8332.	0.901	2.014E+4	0.294
8333.	0.907	2.014E+4	0.293
8334.	0.907	2.014E+4	0.285
8335.	0.896	2.014E+4	0.285
8336.	0.91	2.014E+4	0.285
8337.	0.907	2.014E+4	0.277
8338.	0.91	2.014E+4	0.288
8339.	0.903	2.014E+4	0.293
8340.	0.909	2.014E+4	0.294
8341.	0.907	2.015E+4	0.297
8342.	0.903	2.015E+4	0.279
8343.	0.912	2.015E+4	0.292
8344.	0.907	2.015E+4	0.288
8345.	0.903	2.015E+4	0.29
8346.	0.907	2.015E+4	0.287
8347.	0.909	2.015E+4	0.283
8348.	0.91	2.015E+4	0.288
8349.	0.912	2.015E+4	0.28
8350.	0.904	2.015E+4	0.288
8351.	0.906	2.016E+4	0.29
8352.	0.91	2.016E+4	0.279
8353.	0.901	2.016E+4	0.288
8354.	0.907	2.016E+4	0.287
8355.	0.907	2.016E+4	0.286
8356.	0.901	2.016E+4	0.29
8357.	0.914	2.016E+4	0.288
8358.	0.905	2.016E+4	0.285
8359.	0.905	2.016E+4	0.292
8360.	0.914	2.016E+4	0.287
8361.	0.898	2.017E+4	0.291
8362.	0.912	2.017E+4	0.29
8363.	0.907	2.017E+4	0.289
8364.	0.91	2.017E+4	0.282
8365.	0.907	2.017E+4	0.285
8366.	0.905	2.017E+4	0.296
8367.	0.907	2.017E+4	0.281
8368.	0.907	2.017E+4	0.288
8369.	0.899	2.017E+4	0.288
8370.	0.907	2.017E+4	0.292
8371.	0.903	2.018E+4	0.288
8372.	0.903	2.018E+4	0.295
8373.	0.912	2.018E+4	0.283
8374.	0.898	2.018E+4	0.283
8375.	0.901	2.018E+4	0.281
8376.	0.903	2.018E+4	0.284
8377.	0.905	2.018E+4	0.287
8378.	0.903	2.018E+4	0.294
8379.	0.905	2.018E+4	0.294
8380.	0.909	2.018E+4	0.286

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8381.	0.904	2.019E+4	0.29
8382.	0.901	2.019E+4	0.294
8383.	0.914	2.019E+4	0.289
8384.	0.904	2.019E+4	0.288
8385.	0.909	2.019E+4	0.289
8386.	0.905	2.019E+4	0.286
8387.	0.903	2.019E+4	0.262
8388.	0.901	2.019E+4	0.294
8389.	0.912	2.019E+4	0.286
8390.	0.909	2.019E+4	0.281
8391.	0.901	2.02E+4	0.285
8392.	0.907	2.02E+4	0.283
8393.	0.892	2.02E+4	0.285
8394.	0.903	2.02E+4	0.291
8395.	0.907	2.02E+4	0.297
8396.	0.901	2.02E+4	0.285
8397.	0.909	2.02E+4	0.29
8398.	0.913	2.02E+4	0.287
8399.	0.901	2.02E+4	0.283
8400.	0.899	2.02E+4	0.283
8401.	0.905	2.021E+4	0.279
8402.	0.907	2.021E+4	0.29
8403.	0.907	2.021E+4	0.292
8404.	0.907	2.021E+4	0.279
8405.	0.901	2.021E+4	0.285
8406.	0.907	2.021E+4	0.281
8407.	0.905	2.021E+4	0.289
8408.	0.907	2.021E+4	0.287
8409.	0.907	2.021E+4	0.281
8410.	0.907	2.021E+4	0.287
8411.	0.898	2.022E+4	0.279
8412.	0.91	2.022E+4	0.287
8413.	0.903	2.022E+4	0.283
8414.	0.91	2.022E+4	0.287
8415.	0.901	2.022E+4	0.288
8416.	0.898	2.022E+4	0.29
8417.	0.898	2.022E+4	0.288
8418.	0.894	2.022E+4	0.281
8419.	0.899	2.022E+4	0.281
8420.	0.897	2.022E+4	0.281
8421.	0.905	2.023E+4	0.276
8422.	0.899	2.023E+4	0.287
8423.	0.899	2.023E+4	0.277
8424.	0.89	2.023E+4	0.281
8425.	0.898	2.023E+4	0.287
8426.	0.902	2.023E+4	0.276
8427.	0.898	2.023E+4	0.287
8428.	0.898	2.023E+4	0.277
8429.	0.894	2.023E+4	0.287
8430.	0.905	2.023E+4	0.283
8431.	0.901	2.024E+4	0.286
8432.	0.897	2.024E+4	0.285
8433.	0.9	2.024E+4	0.281
8434.	0.899	2.024E+4	0.285
8435.	0.899	2.024E+4	0.282

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8436.	0.904	2.024E+4	0.285
8437.	0.898	2.024E+4	0.288
8438.	0.901	2.024E+4	0.28
8439.	0.905	2.024E+4	0.279
8440.	0.903	2.024E+4	0.28
8441.	0.894	2.025E+4	0.288
8442.	0.901	2.025E+4	0.281
8443.	0.893	2.025E+4	0.261
8444.	0.899	2.025E+4	0.28
8445.	0.903	2.025E+4	0.281
8446.	0.907	2.025E+4	0.284
8447.	0.905	2.025E+4	0.271
8448.	0.895	2.025E+4	0.284
8449.	0.894	2.025E+4	0.283
8450.	0.901	2.025E+4	0.284
8451.	0.903	2.026E+4	0.279
8452.	0.902	2.026E+4	0.291
8453.	0.896	2.026E+4	0.287
8454.	0.903	2.026E+4	0.281
8455.	0.899	2.026E+4	0.312
8456.	0.894	2.026E+4	0.272
8457.	0.903	2.026E+4	0.279
8458.	0.896	2.026E+4	0.283
8459.	0.89	2.026E+4	0.276
8460.	0.895	2.026E+4	0.291
8461.	0.899	2.027E+4	0.287
8462.	0.905	2.027E+4	0.285
8463.	0.91	2.027E+4	0.286
8464.	0.915	2.027E+4	0.285
8465.	0.904	2.027E+4	0.283
8466.	0.898	2.027E+4	0.279
8467.	0.898	2.027E+4	0.279
8468.	0.898	2.027E+4	0.281
8469.	0.892	2.027E+4	0.28
8470.	0.899	2.027E+4	0.277
8471.	0.899	2.028E+4	0.285
8472.	0.901	2.028E+4	0.281
8473.	0.903	2.028E+4	0.287
8474.	0.89	2.028E+4	0.276
8475.	0.894	2.028E+4	0.281
8476.	0.9	2.028E+4	0.28
8477.	0.899	2.028E+4	0.272
8478.	0.898	2.028E+4	0.28
8479.	0.891	2.028E+4	0.28
8480.	0.919	2.028E+4	0.277
8481.	0.901	2.029E+4	0.276
8482.	0.907	2.029E+4	0.279
8483.	0.898	2.029E+4	0.283
8484.	0.9	2.029E+4	0.276
8485.	0.898	2.029E+4	0.286
8486.	0.894	2.029E+4	0.281
8487.	0.901	2.029E+4	0.276
8488.	0.893	2.029E+4	0.279
8489.	0.907	2.029E+4	0.287
8490.	0.894	2.029E+4	0.281

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8491.	0.892	2.03E+4	0.281
8492.	0.898	2.03E+4	0.284
8493.	0.896	2.03E+4	0.288
8494.	0.9	2.03E+4	0.283
8495.	0.907	2.03E+4	0.285
8496.	0.898	2.03E+4	0.281
8497.	0.892	2.03E+4	0.284
8498.	0.898	2.03E+4	0.279
8499.	0.889	2.03E+4	0.292
8500.	0.892	2.03E+4	0.279
8501.	0.894	2.031E+4	0.287
8502.	0.905	2.031E+4	0.287
8503.	0.889	2.031E+4	0.285
8504.	0.893	2.031E+4	0.286
8505.	0.907	2.031E+4	0.279
8506.	0.899	2.031E+4	0.277
8507.	0.903	2.031E+4	0.279
8508.	0.893	2.031E+4	0.287
8509.	0.9	2.031E+4	0.276
8510.	0.891	2.031E+4	0.283
8511.	0.898	2.032E+4	0.28
8512.	0.896	2.032E+4	0.281
8513.	0.899	2.032E+4	0.284
8514.	0.899	2.032E+4	0.284
8515.	0.901	2.032E+4	0.279
8516.	0.903	2.032E+4	0.285
8517.	0.897	2.032E+4	0.277
8518.	0.883	2.032E+4	0.282
8519.	0.898	2.032E+4	0.279
8520.	0.899	2.032E+4	0.285
8521.	0.898	2.033E+4	0.277
8522.	0.895	2.033E+4	0.277
8523.	0.899	2.033E+4	0.281
8524.	0.895	2.033E+4	0.28
8525.	0.896	2.033E+4	0.279
8526.	0.898	2.033E+4	0.281
8527.	0.896	2.033E+4	0.284
8528.	0.91	2.033E+4	0.277
8529.	0.907	2.033E+4	0.281
8530.	0.901	2.033E+4	0.276
8531.	0.898	2.034E+4	0.288
8532.	0.899	2.034E+4	0.285
8533.	0.898	2.034E+4	0.275
8534.	0.892	2.034E+4	0.279
8535.	0.894	2.034E+4	0.277
8536.	0.892	2.034E+4	0.267
8537.	0.893	2.034E+4	0.249
8538.	0.896	2.034E+4	0.272
8539.	0.889	2.034E+4	0.28
8540.	0.891	2.034E+4	0.281
8541.	0.891	2.035E+4	0.272
8542.	0.889	2.035E+4	0.285
8543.	0.892	2.035E+4	0.28
8544.	0.899	2.035E+4	0.277
8545.	0.894	2.035E+4	0.282

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8546.	0.889	2.035E+4	0.277
8547.	0.894	2.035E+4	0.281
8548.	0.889	2.035E+4	0.274
8549.	0.887	2.035E+4	0.287
8550.	0.893	2.035E+4	0.284
8551.	0.899	2.036E+4	0.277
8552.	0.898	2.036E+4	0.276
8553.	0.887	2.036E+4	0.274
8554.	0.894	2.036E+4	0.276
8555.	0.899	2.036E+4	0.272
8556.	0.881	2.036E+4	0.285
8557.	0.893	2.036E+4	0.283
8558.	0.891	2.036E+4	0.281
8559.	0.89	2.036E+4	0.28
8560.	0.895	2.036E+4	0.282
8561.	0.892	2.037E+4	0.278
8562.	0.898	2.037E+4	0.279
8563.	0.887	2.037E+4	0.287
8564.	0.896	2.037E+4	0.279
8565.	0.892	2.037E+4	0.283
8566.	0.899	2.037E+4	0.281
8567.	0.869	2.037E+4	0.286
8568.	0.892	2.037E+4	0.276
8569.	0.883	2.037E+4	0.277
8570.	0.896	2.037E+4	0.279
8571.	0.892	2.038E+4	0.282
8572.	0.889	2.038E+4	0.279
8573.	0.89	2.038E+4	0.279
8574.	0.887	2.038E+4	0.279
8575.	0.898	2.038E+4	0.268
8576.	0.896	2.038E+4	0.277
8577.	0.891	2.038E+4	0.28
8578.	0.883	2.038E+4	0.274
8579.	0.887	2.038E+4	0.276
8580.	0.898	2.038E+4	0.283
8581.	0.889	2.039E+4	0.27
8582.	0.902	2.039E+4	0.285
8583.	0.892	2.039E+4	0.275
8584.	0.899	2.039E+4	0.282
8585.	0.887	2.039E+4	0.275
8586.	0.889	2.039E+4	0.276
8587.	0.905	2.039E+4	0.274
8588.	0.89	2.039E+4	0.284
8589.	0.898	2.039E+4	0.276
8590.	0.889	2.039E+4	0.274
8591.	0.886	2.04E+4	0.277
8592.	0.896	2.04E+4	0.279
8593.	0.899	2.04E+4	0.27
8594.	0.892	2.04E+4	0.281
8595.	0.898	2.04E+4	0.276
8596.	0.896	2.04E+4	0.282
8597.	0.896	2.04E+4	0.287
8598.	0.892	2.04E+4	0.277
8599.	0.894	2.04E+4	0.272
8600.	0.89	2.04E+4	0.276

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8601.	0.899	2.041E+4	0.267
8602.	0.892	2.041E+4	0.277
8603.	0.89	2.041E+4	0.276
8604.	0.89	2.041E+4	0.276
8605.	0.891	2.041E+4	0.28
8606.	0.885	2.041E+4	0.277
8607.	0.885	2.041E+4	0.279
8608.	0.883	2.041E+4	0.274
8609.	0.898	2.041E+4	0.276
8610.	0.892	2.041E+4	0.275
8611.	0.894	2.042E+4	0.261
8612.	0.892	2.042E+4	0.279
8613.	0.892	2.042E+4	0.283
8614.	0.89	2.042E+4	0.274
8615.	0.889	2.042E+4	0.279
8616.	0.898	2.042E+4	0.279
8617.	0.894	2.042E+4	0.27
8618.	0.889	2.042E+4	0.272
8619.	0.889	2.042E+4	0.281
8620.	0.889	2.042E+4	0.276
8621.	0.89	2.043E+4	0.274
8622.	0.891	2.043E+4	0.282
8623.	0.894	2.043E+4	0.267
8624.	0.887	2.043E+4	0.279
8625.	0.901	2.043E+4	0.28
8626.	0.889	2.043E+4	0.28
8627.	0.887	2.043E+4	0.276
8628.	0.889	2.043E+4	0.27
8629.	0.883	2.043E+4	0.27
8630.	0.901	2.043E+4	0.268
8631.	0.896	2.044E+4	0.27
8632.	0.894	2.044E+4	0.27
8633.	0.889	2.044E+4	0.268
8634.	0.892	2.044E+4	0.277
8635.	0.893	2.044E+4	0.276
8636.	0.89	2.044E+4	0.272
8637.	0.887	2.044E+4	0.272
8638.	0.892	2.044E+4	0.277
8639.	0.883	2.044E+4	0.279
8640.	0.889	2.044E+4	0.276
8641.	0.887	2.045E+4	0.274
8642.	0.887	2.045E+4	0.272
8643.	0.889	2.045E+4	0.267
8644.	0.898	2.045E+4	0.268
8645.	0.884	2.045E+4	0.27
8646.	0.889	2.045E+4	0.274
8647.	0.887	2.045E+4	0.276
8648.	0.885	2.045E+4	0.28
8649.	0.887	2.045E+4	0.277
8650.	0.881	2.045E+4	0.27
8651.	0.889	2.046E+4	0.264
8652.	0.889	2.046E+4	0.272
8653.	0.903	2.046E+4	0.27
8654.	0.889	2.046E+4	0.287
8655.	0.885	2.046E+4	0.275

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8656.	0.89	2.046E+4	0.269
8657.	0.892	2.046E+4	0.27
8658.	0.88	2.046E+4	0.274
8659.	0.889	2.046E+4	0.274
8660.	0.889	2.046E+4	0.27
8661.	0.891	2.047E+4	0.274
8662.	0.889	2.047E+4	0.274
8663.	0.883	2.047E+4	0.277
8664.	0.879	2.047E+4	0.276
8665.	0.894	2.047E+4	0.274
8666.	0.885	2.047E+4	0.281
8667.	0.885	2.047E+4	0.272
8668.	0.89	2.047E+4	0.272
8669.	0.891	2.047E+4	0.272
8670.	0.892	2.047E+4	0.268
8671.	0.889	2.048E+4	0.272
8672.	0.892	2.048E+4	0.279
8673.	0.894	2.048E+4	0.269
8674.	0.889	2.048E+4	0.265
8675.	0.885	2.048E+4	0.279
8676.	0.896	2.048E+4	0.277
8677.	0.883	2.048E+4	0.268
8678.	0.887	2.048E+4	0.267
8679.	0.881	2.048E+4	0.274
8680.	0.876	2.048E+4	0.268
8681.	0.886	2.049E+4	0.27
8682.	0.883	2.049E+4	0.277
8683.	0.883	2.049E+4	0.279
8684.	0.881	2.049E+4	0.279
8685.	0.898	2.049E+4	0.272
8686.	0.879	2.049E+4	0.273
8687.	0.897	2.049E+4	0.268
8688.	0.891	2.049E+4	0.271
8689.	0.889	2.049E+4	0.27
8690.	0.89	2.049E+4	0.277
8691.	0.887	2.05E+4	0.268
8692.	0.889	2.05E+4	0.274
8693.	0.887	2.05E+4	0.274
8694.	0.892	2.05E+4	0.276
8695.	0.894	2.05E+4	0.271
8696.	0.879	2.05E+4	0.272
8697.	0.885	2.05E+4	0.275
8698.	0.882	2.05E+4	0.27
8699.	0.889	2.05E+4	0.27
8700.	0.878	2.05E+4	0.277
8701.	0.887	2.051E+4	0.268
8702.	0.889	2.051E+4	0.279
8703.	0.887	2.051E+4	0.27
8704.	0.883	2.051E+4	0.277
8705.	0.887	2.051E+4	0.279
8706.	0.887	2.051E+4	0.277
8707.	0.887	2.051E+4	0.276
8708.	0.887	2.051E+4	0.272
8709.	0.889	2.051E+4	0.276
8710.	0.879	2.051E+4	0.27

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8711.	0.883	2.052E+4	0.27
8712.	0.887	2.052E+4	0.267
8713.	0.889	2.052E+4	0.265
8714.	0.883	2.052E+4	0.273
8715.	0.883	2.052E+4	0.272
8716.	0.878	2.052E+4	0.265
8717.	0.885	2.052E+4	0.271
8718.	0.879	2.052E+4	0.279
8719.	0.883	2.052E+4	0.269
8720.	0.882	2.052E+4	0.268
8721.	0.881	2.053E+4	0.265
8722.	0.885	2.053E+4	0.27
8723.	0.882	2.053E+4	0.276
8724.	0.883	2.053E+4	0.279
8725.	0.894	2.053E+4	0.269
8726.	0.88	2.053E+4	0.264
8727.	0.889	2.053E+4	0.27
8728.	0.89	2.053E+4	0.281
8729.	0.883	2.053E+4	0.285
8730.	0.881	2.053E+4	0.274
8731.	0.887	2.054E+4	0.27
8732.	0.883	2.054E+4	0.283
8733.	0.889	2.054E+4	0.277
8734.	0.885	2.054E+4	0.276
8735.	0.883	2.054E+4	0.274
8736.	0.874	2.054E+4	0.272
8737.	0.885	2.054E+4	0.274
8738.	0.887	2.054E+4	0.274
8739.	0.887	2.054E+4	0.276
8740.	0.887	2.054E+4	0.27
8741.	0.878	2.055E+4	0.261
8742.	0.884	2.055E+4	0.268
8743.	0.883	2.055E+4	0.27
8744.	0.885	2.055E+4	0.277
8745.	0.881	2.055E+4	0.272
8746.	0.879	2.055E+4	0.267
8747.	0.887	2.055E+4	0.267
8748.	0.883	2.055E+4	0.263
8749.	0.867	2.055E+4	0.271
8750.	0.878	2.055E+4	0.279
8751.	0.887	2.056E+4	0.27
8752.	0.886	2.056E+4	0.268
8753.	0.885	2.056E+4	0.273
8754.	0.89	2.056E+4	0.271
8755.	0.874	2.056E+4	0.277
8756.	0.883	2.056E+4	0.267
8757.	0.889	2.056E+4	0.27
8758.	0.885	2.056E+4	0.274
8759.	0.887	2.056E+4	0.272
8760.	0.878	2.056E+4	0.268
8761.	0.883	2.057E+4	0.275
8762.	0.883	2.057E+4	0.265
8763.	0.881	2.057E+4	0.268
8764.	0.883	2.057E+4	0.263
8765.	0.878	2.057E+4	0.272

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8766.	0.876	2.057E+4	0.267
8767.	0.878	2.057E+4	0.267
8768.	0.885	2.057E+4	0.27
8769.	0.89	2.057E+4	0.296
8770.	0.88	2.057E+4	0.268
8771.	0.889	2.058E+4	0.27
8772.	0.89	2.058E+4	0.27
8773.	0.881	2.058E+4	0.275
8774.	0.883	2.058E+4	0.261
8775.	0.885	2.058E+4	0.272
8776.	0.89	2.058E+4	0.261
8777.	0.882	2.058E+4	0.267
8778.	0.892	2.058E+4	0.27
8779.	0.889	2.058E+4	0.263
8780.	0.885	2.058E+4	0.279
8781.	0.881	2.059E+4	0.262
8782.	0.887	2.059E+4	0.268
8783.	0.883	2.059E+4	0.276
8784.	0.887	2.059E+4	0.265
8785.	0.883	2.059E+4	0.269
8786.	0.883	2.059E+4	0.274
8787.	0.884	2.059E+4	0.272
8788.	0.883	2.059E+4	0.265
8789.	0.878	2.059E+4	0.265
8790.	0.889	2.059E+4	0.265
8791.	0.884	2.06E+4	0.267
8792.	0.874	2.06E+4	0.268
8793.	0.865	2.06E+4	0.272
8794.	0.878	2.06E+4	0.27
8795.	0.875	2.06E+4	0.274
8796.	0.88	2.06E+4	0.259
8797.	0.881	2.06E+4	0.267
8798.	0.878	2.06E+4	0.268
8799.	0.881	2.06E+4	0.267
8800.	0.877	2.06E+4	0.257
8801.	0.879	2.061E+4	0.274
8802.	0.883	2.061E+4	0.259
8803.	0.878	2.061E+4	0.269
8804.	0.878	2.061E+4	0.265
8805.	0.885	2.061E+4	0.269
8806.	0.879	2.061E+4	0.267
8807.	0.881	2.061E+4	0.267
8808.	0.888	2.061E+4	0.261
8809.	0.885	2.061E+4	0.259
8810.	0.881	2.061E+4	0.264
8811.	0.889	2.062E+4	0.257
8812.	0.88	2.062E+4	0.27
8813.	0.878	2.062E+4	0.261
8814.	0.885	2.062E+4	0.263
8815.	0.883	2.062E+4	0.27
8816.	0.882	2.062E+4	0.265
8817.	0.876	2.062E+4	0.262
8818.	0.878	2.062E+4	0.268
8819.	0.878	2.062E+4	0.283
8820.	0.879	2.062E+4	0.267

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8821.	0.881	2.063E+4	0.267
8822.	0.879	2.063E+4	0.262
8823.	0.876	2.063E+4	0.27
8824.	0.88	2.063E+4	0.266
8825.	0.876	2.063E+4	0.265
8826.	0.869	2.063E+4	0.263
8827.	0.874	2.063E+4	0.261
8828.	0.875	2.063E+4	0.263
8829.	0.878	2.063E+4	0.263
8830.	0.878	2.063E+4	0.267
8831.	0.876	2.064E+4	0.266
8832.	0.878	2.064E+4	0.261
8833.	0.877	2.064E+4	0.292
8834.	0.875	2.064E+4	0.263
8835.	0.885	2.064E+4	0.263
8836.	0.877	2.064E+4	0.267
8837.	0.874	2.064E+4	0.256
8838.	0.881	2.064E+4	0.267
8839.	0.883	2.064E+4	0.26
8840.	0.872	2.064E+4	0.263
8841.	0.875	2.065E+4	0.271
8842.	0.874	2.065E+4	0.27
8843.	0.876	2.065E+4	0.267
8844.	0.878	2.065E+4	0.276
8845.	0.885	2.065E+4	0.261
8846.	0.87	2.065E+4	0.249
8847.	0.879	2.065E+4	0.268
8848.	0.874	2.065E+4	0.263
8849.	0.872	2.065E+4	0.268
8850.	0.875	2.065E+4	0.261
8851.	0.872	2.066E+4	0.269
8852.	0.878	2.066E+4	0.267
8853.	0.879	2.066E+4	0.273
8854.	0.878	2.066E+4	0.267
8855.	0.878	2.066E+4	0.261
8856.	0.879	2.066E+4	0.261
8857.	0.872	2.066E+4	0.26
8858.	0.867	2.066E+4	0.265
8859.	0.878	2.066E+4	0.267
8860.	0.874	2.066E+4	0.268
8861.	0.878	2.067E+4	0.265
8862.	0.872	2.067E+4	0.27
8863.	0.874	2.067E+4	0.243
8864.	0.874	2.067E+4	0.261
8865.	0.878	2.067E+4	0.272
8866.	0.879	2.067E+4	0.252
8867.	0.874	2.067E+4	0.259
8868.	0.879	2.067E+4	0.262
8869.	0.874	2.067E+4	0.261
8870.	0.876	2.067E+4	0.261
8871.	0.878	2.068E+4	0.262
8872.	0.874	2.068E+4	0.266
8873.	0.873	2.068E+4	0.267
8874.	0.874	2.068E+4	0.261
8875.	0.878	2.068E+4	0.26

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8876.	0.87	2.068E+4	0.259
8877.	0.879	2.068E+4	0.265
8878.	0.878	2.068E+4	0.265
8879.	0.878	2.068E+4	0.269
8880.	0.862	2.068E+4	0.259
8881.	0.881	2.069E+4	0.265
8882.	0.876	2.069E+4	0.268
8883.	0.878	2.069E+4	0.264
8884.	0.872	2.069E+4	0.265
8885.	0.874	2.069E+4	0.257
8886.	0.874	2.069E+4	0.257
8887.	0.87	2.069E+4	0.264
8888.	0.869	2.069E+4	0.265
8889.	0.874	2.069E+4	0.259
8890.	0.869	2.069E+4	0.265
8891.	0.87	2.07E+4	0.261
8892.	0.876	2.07E+4	0.263
8893.	0.878	2.07E+4	0.269
8894.	0.874	2.07E+4	0.267
8895.	0.87	2.07E+4	0.265
8896.	0.878	2.07E+4	0.262
8897.	0.889	2.07E+4	0.267
8898.	0.878	2.07E+4	0.262
8899.	0.883	2.07E+4	0.268
8900.	0.872	2.07E+4	0.268
8901.	0.876	2.071E+4	0.267
8902.	0.87	2.071E+4	0.262
8903.	0.881	2.071E+4	0.263
8904.	0.881	2.071E+4	0.259
8905.	0.874	2.071E+4	0.254
8906.	0.874	2.071E+4	0.27
8907.	0.873	2.071E+4	0.259
8908.	0.876	2.071E+4	0.268
8909.	0.869	2.071E+4	0.259
8910.	0.878	2.071E+4	0.261
8911.	0.872	2.072E+4	0.274
8912.	0.878	2.072E+4	0.268
8913.	0.876	2.072E+4	0.257
8914.	0.874	2.072E+4	0.268
8915.	0.873	2.072E+4	0.252
8916.	0.866	2.072E+4	0.268
8917.	0.874	2.072E+4	0.252
8918.	0.877	2.072E+4	0.259
8919.	0.878	2.072E+4	0.264
8920.	0.863	2.072E+4	0.259
8921.	0.865	2.073E+4	0.256
8922.	0.874	2.073E+4	0.259
8923.	0.876	2.073E+4	0.257
8924.	0.878	2.073E+4	0.257
8925.	0.876	2.073E+4	0.254
8926.	0.869	2.073E+4	0.254
8927.	0.877	2.073E+4	0.256
8928.	0.872	2.073E+4	0.256
8929.	0.87	2.073E+4	0.259
8930.	0.874	2.073E+4	0.268

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8931.	0.87	2.074E+4	0.269
8932.	0.874	2.074E+4	0.254
8933.	0.876	2.074E+4	0.263
8934.	0.867	2.074E+4	0.262
8935.	0.876	2.074E+4	0.256
8936.	0.867	2.074E+4	0.259
8937.	0.872	2.074E+4	0.259
8938.	0.872	2.074E+4	0.268
8939.	0.864	2.074E+4	0.265
8940.	0.864	2.074E+4	0.259
8941.	0.872	2.075E+4	0.256
8942.	0.872	2.075E+4	0.256
8943.	0.876	2.075E+4	0.261
8944.	0.874	2.075E+4	0.265
8945.	0.872	2.075E+4	0.259
8946.	0.87	2.075E+4	0.256
8947.	0.875	2.075E+4	0.255
8948.	0.867	2.075E+4	0.263
8949.	0.869	2.075E+4	0.25
8950.	0.872	2.075E+4	0.262
8951.	0.865	2.076E+4	0.257
8952.	0.859	2.076E+4	0.253
8953.	0.863	2.076E+4	0.248
8954.	0.862	2.076E+4	0.266
8955.	0.865	2.076E+4	0.259
8956.	0.869	2.076E+4	0.249
8957.	0.865	2.076E+4	0.254
8958.	0.865	2.076E+4	0.256
8959.	0.87	2.076E+4	0.252
8960.	0.87	2.076E+4	0.263
8961.	0.867	2.077E+4	0.255
8962.	0.874	2.077E+4	0.27
8963.	0.869	2.077E+4	0.261
8964.	0.87	2.077E+4	0.254
8965.	0.863	2.077E+4	0.265
8966.	0.865	2.077E+4	0.269
8967.	0.87	2.077E+4	0.26
8968.	0.872	2.077E+4	0.259
8969.	0.863	2.077E+4	0.257
8970.	0.887	2.077E+4	0.261
8971.	0.861	2.078E+4	0.253
8972.	0.859	2.078E+4	0.249
8973.	0.859	2.078E+4	0.257
8974.	0.865	2.078E+4	0.259
8975.	0.861	2.078E+4	0.25
8976.	0.865	2.078E+4	0.257
8977.	0.87	2.078E+4	0.256
8978.	0.867	2.078E+4	0.257
8979.	0.872	2.078E+4	0.261
8980.	0.87	2.078E+4	0.252
8981.	0.863	2.079E+4	0.247
8982.	0.87	2.079E+4	0.253
8983.	0.872	2.079E+4	0.255
8984.	0.874	2.079E+4	0.257
8985.	0.861	2.079E+4	0.245

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
8986.	0.872	2.079E+4	0.254
8987.	0.87	2.079E+4	0.255
8988.	0.872	2.079E+4	0.25
8989.	0.87	2.079E+4	0.237
8990.	0.87	2.079E+4	0.257
8991.	0.863	2.08E+4	0.254
8992.	0.872	2.08E+4	0.254
8993.	0.867	2.08E+4	0.248
8994.	0.867	2.08E+4	0.25
8995.	0.869	2.08E+4	0.25
8996.	0.867	2.08E+4	0.257
8997.	0.867	2.08E+4	0.249
8998.	0.869	2.08E+4	0.25
8999.	0.869	2.08E+4	0.249
9000.	0.867	2.08E+4	0.249
9001.	0.865	2.081E+4	0.251
9002.	0.87	2.081E+4	0.246
9003.	0.867	2.081E+4	0.234
9004.	0.872	2.081E+4	0.254
9005.	0.87	2.081E+4	0.254
9006.	0.863	2.081E+4	0.252
9007.	0.87	2.081E+4	0.254
9008.	0.861	2.081E+4	0.254
9009.	0.867	2.081E+4	0.247
9010.	0.865	2.081E+4	0.248
9011.	0.865	2.082E+4	0.252
9012.	0.867	2.082E+4	0.259
9013.	0.869	2.082E+4	0.257
9014.	0.87	2.082E+4	0.268
9015.	0.865	2.082E+4	0.25
9016.	0.874	2.082E+4	0.249
9017.	0.869	2.082E+4	0.25
9018.	0.874	2.082E+4	0.25
9019.	0.861	2.082E+4	0.243
9020.	0.858	2.082E+4	0.25
9021.	0.869	2.083E+4	0.247
9022.	0.867	2.083E+4	0.25
9023.	0.87	2.083E+4	0.265
9024.	0.869	2.083E+4	0.254
9025.	0.869	2.083E+4	0.25
9026.	0.869	2.083E+4	0.25
9027.	0.874	2.083E+4	0.252
9028.	0.869	2.083E+4	0.25
9029.	0.861	2.083E+4	0.251
9030.	0.87	2.083E+4	0.25
9031.	0.856	2.084E+4	0.252
9032.	0.856	2.084E+4	0.251
9033.	0.858	2.084E+4	0.245
9034.	0.861	2.084E+4	0.243
9035.	0.871	2.084E+4	0.252
9036.	0.865	2.084E+4	0.245
9037.	0.859	2.084E+4	0.254
9038.	0.857	2.084E+4	0.248
9039.	0.854	2.084E+4	0.247
9040.	0.861	2.084E+4	0.247

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9041.	0.861	2.085E+4	0.247
9042.	0.862	2.085E+4	0.251
9043.	0.859	2.085E+4	0.245
9044.	0.865	2.085E+4	0.245
9045.	0.866	2.085E+4	0.257
9046.	0.859	2.085E+4	0.246
9047.	0.859	2.085E+4	0.248
9048.	0.859	2.085E+4	0.248
9049.	0.865	2.085E+4	0.248
9050.	0.858	2.085E+4	0.245
9051.	0.859	2.086E+4	0.25
9052.	0.868	2.086E+4	0.248
9053.	0.869	2.086E+4	0.254
9054.	0.863	2.086E+4	0.255
9055.	0.858	2.086E+4	0.243
9056.	0.856	2.086E+4	0.245
9057.	0.856	2.086E+4	0.25
9058.	0.859	2.086E+4	0.249
9059.	0.856	2.086E+4	0.242
9060.	0.865	2.086E+4	0.241
9061.	0.856	2.087E+4	0.248
9062.	0.837	2.087E+4	0.247
9063.	0.856	2.087E+4	0.245
9064.	0.856	2.087E+4	0.239
9065.	0.856	2.087E+4	0.238
9066.	0.861	2.087E+4	0.241
9067.	0.859	2.087E+4	0.251
9068.	0.852	2.087E+4	0.251
9069.	0.847	2.087E+4	0.241
9070.	0.854	2.087E+4	0.245
9071.	0.858	2.088E+4	0.244
9072.	0.856	2.088E+4	0.243
9073.	0.865	2.088E+4	0.253
9074.	0.864	2.088E+4	0.239
9075.	0.865	2.088E+4	0.242
9076.	0.869	2.088E+4	0.245
9077.	0.857	2.088E+4	0.241
9078.	0.861	2.088E+4	0.243
9079.	0.865	2.088E+4	0.236
9080.	0.861	2.088E+4	0.237
9081.	0.859	2.089E+4	0.237
9082.	0.861	2.089E+4	0.247
9083.	0.85	2.089E+4	0.246
9084.	0.865	2.089E+4	0.235
9085.	0.862	2.089E+4	0.249
9086.	0.858	2.089E+4	0.245
9087.	0.858	2.089E+4	0.245
9088.	0.858	2.089E+4	0.245
9089.	0.867	2.089E+4	0.242
9090.	0.856	2.089E+4	0.244
9091.	0.856	2.09E+4	0.236
9092.	0.861	2.09E+4	0.245
9093.	0.85	2.09E+4	0.242
9094.	0.859	2.09E+4	0.245
9095.	0.858	2.09E+4	0.234

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9096.	0.858	2.09E+4	0.233
9097.	0.856	2.09E+4	0.233
9098.	0.859	2.09E+4	0.235
9099.	0.866	2.09E+4	0.235
9100.	0.858	2.09E+4	0.232
9101.	0.858	2.091E+4	0.24
9102.	0.858	2.091E+4	0.241
9103.	0.859	2.091E+4	0.232
9104.	0.863	2.091E+4	0.241
9105.	0.858	2.091E+4	0.235
9106.	0.858	2.091E+4	0.236
9107.	0.856	2.091E+4	0.236
9108.	0.865	2.091E+4	0.227
9109.	0.858	2.091E+4	0.236
9110.	0.859	2.091E+4	0.236
9111.	0.863	2.092E+4	0.228
9112.	0.858	2.092E+4	0.239
9113.	0.858	2.092E+4	0.234
9114.	0.856	2.092E+4	0.226
9115.	0.861	2.092E+4	0.234
9116.	0.863	2.092E+4	0.237
9117.	0.863	2.092E+4	0.241
9118.	0.856	2.092E+4	0.239
9119.	0.866	2.092E+4	0.237
9120.	0.863	2.092E+4	0.236
9121.	0.87	2.093E+4	0.239
9122.	0.852	2.093E+4	0.239
9123.	0.854	2.093E+4	0.238
9124.	0.863	2.093E+4	0.246
9125.	0.861	2.093E+4	0.232
9126.	0.856	2.093E+4	0.247
9127.	0.85	2.093E+4	0.227
9128.	0.865	2.093E+4	0.235
9129.	0.861	2.093E+4	0.234
9130.	0.858	2.093E+4	0.241
9131.	0.859	2.094E+4	0.246
9132.	0.865	2.094E+4	0.24
9133.	0.863	2.094E+4	0.237
9134.	0.865	2.094E+4	0.245
9135.	0.852	2.094E+4	0.239
9136.	0.858	2.094E+4	0.234
9137.	0.863	2.094E+4	0.235
9138.	0.874	2.094E+4	0.234
9139.	0.854	2.094E+4	0.232
9140.	0.858	2.094E+4	0.235
9141.	0.862	2.095E+4	0.236
9142.	0.854	2.095E+4	0.237
9143.	0.859	2.095E+4	0.244
9144.	0.854	2.095E+4	0.237
9145.	0.856	2.095E+4	0.23
9146.	0.859	2.095E+4	0.232
9147.	0.861	2.095E+4	0.236
9148.	0.856	2.095E+4	0.236
9149.	0.859	2.095E+4	0.241
9150.	0.854	2.095E+4	0.231

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9151.	0.861	2.096E+4	0.236
9152.	0.854	2.096E+4	0.237
9153.	0.854	2.096E+4	0.239
9154.	0.861	2.096E+4	0.241
9155.	0.858	2.096E+4	0.234
9156.	0.858	2.096E+4	0.238
9157.	0.862	2.096E+4	0.231
9158.	0.858	2.096E+4	0.233
9159.	0.859	2.096E+4	0.227
9160.	0.85	2.096E+4	0.228
9161.	0.864	2.097E+4	0.237
9162.	0.865	2.097E+4	0.232
9163.	0.863	2.097E+4	0.232
9164.	0.858	2.097E+4	0.228
9165.	0.858	2.097E+4	0.246
9166.	0.85	2.097E+4	0.228
9167.	0.854	2.097E+4	0.241
9168.	0.854	2.097E+4	0.24
9169.	0.856	2.097E+4	0.235
9170.	0.861	2.097E+4	0.236
9171.	0.859	2.098E+4	0.238
9172.	0.856	2.098E+4	0.23
9173.	0.862	2.098E+4	0.237
9174.	0.856	2.098E+4	0.245
9175.	0.858	2.098E+4	0.232
9176.	0.861	2.098E+4	0.234
9177.	0.859	2.098E+4	0.227
9178.	0.854	2.098E+4	0.236
9179.	0.859	2.098E+4	0.228
9180.	0.861	2.098E+4	0.228
9181.	0.856	2.099E+4	0.235
9182.	0.863	2.099E+4	0.237
9183.	0.85	2.099E+4	0.237
9184.	0.858	2.099E+4	0.232
9185.	0.859	2.099E+4	0.237
9186.	0.859	2.099E+4	0.236
9187.	0.852	2.099E+4	0.24
9188.	0.85	2.099E+4	0.235
9189.	0.855	2.099E+4	0.232
9190.	0.858	2.099E+4	0.234
9191.	0.85	2.1E+4	0.236
9192.	0.853	2.1E+4	0.232
9193.	0.849	2.1E+4	0.237
9194.	0.852	2.1E+4	0.236
9195.	0.856	2.1E+4	0.237
9196.	0.856	2.1E+4	0.226
9197.	0.847	2.1E+4	0.236
9198.	0.852	2.1E+4	0.234
9199.	0.865	2.1E+4	0.23
9200.	0.856	2.1E+4	0.237
9201.	0.852	2.101E+4	0.228
9202.	0.847	2.101E+4	0.227
9203.	0.85	2.101E+4	0.234
9204.	0.863	2.101E+4	0.233
9205.	0.852	2.101E+4	0.232

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9206.	0.85	2.101E+4	0.237
9207.	0.856	2.101E+4	0.236
9208.	0.85	2.101E+4	0.23
9209.	0.854	2.101E+4	0.223
9210.	0.859	2.101E+4	0.236
9211.	0.849	2.102E+4	0.23
9212.	0.85	2.102E+4	0.233
9213.	0.856	2.102E+4	0.238
9214.	0.854	2.102E+4	0.227
9215.	0.841	2.102E+4	0.228
9216.	0.85	2.102E+4	0.231
9217.	0.859	2.102E+4	0.229
9218.	0.852	2.102E+4	0.232
9219.	0.845	2.102E+4	0.232
9220.	0.854	2.102E+4	0.23
9221.	0.847	2.103E+4	0.236
9222.	0.859	2.103E+4	0.232
9223.	0.845	2.103E+4	0.228
9224.	0.856	2.103E+4	0.231
9225.	0.85	2.103E+4	0.228
9226.	0.843	2.103E+4	0.225
9227.	0.852	2.103E+4	0.238
9228.	0.854	2.103E+4	0.23
9229.	0.845	2.103E+4	0.227
9230.	0.849	2.103E+4	0.226
9231.	0.854	2.104E+4	0.236
9232.	0.85	2.104E+4	0.232
9233.	0.849	2.104E+4	0.234
9234.	0.854	2.104E+4	0.232
9235.	0.85	2.104E+4	0.233
9236.	0.854	2.104E+4	0.222
9237.	0.854	2.104E+4	0.227
9238.	0.854	2.104E+4	0.236
9239.	0.858	2.104E+4	0.219
9240.	0.85	2.104E+4	0.235
9241.	0.858	2.105E+4	0.23
9242.	0.854	2.105E+4	0.226
9243.	0.854	2.105E+4	0.228
9244.	0.852	2.105E+4	0.224
9245.	0.849	2.105E+4	0.232
9246.	0.856	2.105E+4	0.236
9247.	0.859	2.105E+4	0.228
9248.	0.845	2.105E+4	0.234
9249.	0.861	2.105E+4	0.234
9250.	0.854	2.105E+4	0.228
9251.	0.852	2.106E+4	0.228
9252.	0.847	2.106E+4	0.231
9253.	0.841	2.106E+4	0.227
9254.	0.849	2.106E+4	0.229
9255.	0.845	2.106E+4	0.238
9256.	0.858	2.106E+4	0.227
9257.	0.849	2.106E+4	0.225
9258.	0.856	2.106E+4	0.216
9259.	0.853	2.106E+4	0.223
9260.	0.847	2.106E+4	0.227

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9261.	0.849	2.107E+4	0.225
9262.	0.85	2.107E+4	0.223
9263.	0.863	2.107E+4	0.228
9264.	0.852	2.107E+4	0.225
9265.	0.854	2.107E+4	0.222
9266.	0.847	2.107E+4	0.231
9267.	0.852	2.107E+4	0.227
9268.	0.845	2.107E+4	0.226
9269.	0.852	2.107E+4	0.217
9270.	0.843	2.107E+4	0.236
9271.	0.85	2.108E+4	0.225
9272.	0.863	2.108E+4	0.226
9273.	0.843	2.108E+4	0.231
9274.	0.847	2.108E+4	0.243
9275.	0.852	2.108E+4	0.231
9276.	0.852	2.108E+4	0.225
9277.	0.852	2.108E+4	0.232
9278.	0.852	2.108E+4	0.237
9279.	0.85	2.108E+4	0.237
9280.	0.852	2.108E+4	0.223
9281.	0.845	2.109E+4	0.228
9282.	0.852	2.109E+4	0.228
9283.	0.858	2.109E+4	0.228
9284.	0.827	2.109E+4	0.236
9285.	0.85	2.109E+4	0.227
9286.	0.843	2.109E+4	0.234
9287.	0.854	2.109E+4	0.239
9288.	0.852	2.109E+4	0.232
9289.	0.843	2.109E+4	0.235
9290.	0.849	2.109E+4	0.237
9291.	0.843	2.11E+4	0.228
9292.	0.849	2.11E+4	0.23
9293.	0.854	2.11E+4	0.213
9294.	0.85	2.11E+4	0.232
9295.	0.852	2.11E+4	0.219
9296.	0.852	2.11E+4	0.224
9297.	0.856	2.11E+4	0.233
9298.	0.854	2.11E+4	0.237
9299.	0.85	2.11E+4	0.225
9300.	0.85	2.11E+4	0.236
9301.	0.847	2.111E+4	0.231
9302.	0.85	2.111E+4	0.23
9303.	0.854	2.111E+4	0.227
9304.	0.854	2.111E+4	0.228
9305.	0.847	2.111E+4	0.232
9306.	0.845	2.111E+4	0.226
9307.	0.856	2.111E+4	0.228
9308.	0.847	2.111E+4	0.227
9309.	0.849	2.111E+4	0.225
9310.	0.852	2.111E+4	0.232
9311.	0.85	2.112E+4	0.226
9312.	0.845	2.112E+4	0.231
9313.	0.854	2.112E+4	0.221
9314.	0.852	2.112E+4	0.223
9315.	0.847	2.112E+4	0.216

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9316.	0.845	2.112E+4	0.211
9317.	0.843	2.112E+4	0.23
9318.	0.849	2.112E+4	0.218
9319.	0.852	2.112E+4	0.231
9320.	0.843	2.112E+4	0.224
9321.	0.847	2.113E+4	0.228
9322.	0.847	2.113E+4	0.229
9323.	0.836	2.113E+4	0.224
9324.	0.843	2.113E+4	0.225
9325.	0.852	2.113E+4	0.219
9326.	0.845	2.113E+4	0.228
9327.	0.844	2.113E+4	0.216
9328.	0.843	2.113E+4	0.228
9329.	0.839	2.113E+4	0.232
9330.	0.838	2.113E+4	0.237
9331.	0.847	2.114E+4	0.233
9332.	0.838	2.114E+4	0.223
9333.	0.847	2.114E+4	0.222
9334.	0.841	2.114E+4	0.225
9335.	0.841	2.114E+4	0.232
9336.	0.845	2.114E+4	0.23
9337.	0.851	2.114E+4	0.231
9338.	0.841	2.114E+4	0.229
9339.	0.838	2.114E+4	0.228
9340.	0.841	2.114E+4	0.228
9341.	0.845	2.115E+4	0.224
9342.	0.847	2.115E+4	0.228
9343.	0.836	2.115E+4	0.233
9344.	0.843	2.115E+4	0.221
9345.	0.842	2.115E+4	0.227
9346.	0.849	2.115E+4	0.23
9347.	0.845	2.115E+4	0.223
9348.	0.847	2.115E+4	0.223
9349.	0.838	2.115E+4	0.232
9350.	0.834	2.115E+4	0.219
9351.	0.845	2.116E+4	0.23
9352.	0.841	2.116E+4	0.225
9353.	0.84	2.116E+4	0.229
9354.	0.841	2.116E+4	0.226
9355.	0.839	2.116E+4	0.238
9356.	0.845	2.116E+4	0.226
9357.	0.839	2.116E+4	0.234
9358.	0.843	2.116E+4	0.217
9359.	0.839	2.116E+4	0.223
9360.	0.843	2.116E+4	0.228
9361.	0.845	2.117E+4	0.225
9362.	0.839	2.117E+4	0.226
9363.	0.845	2.117E+4	0.231
9364.	0.843	2.117E+4	0.226
9365.	0.843	2.117E+4	0.228
9366.	0.839	2.117E+4	0.23
9367.	0.836	2.117E+4	0.221
9368.	0.83	2.117E+4	0.228
9369.	0.843	2.117E+4	0.225
9370.	0.839	2.117E+4	0.229

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9371.	0.841	2.118E+4	0.227
9372.	0.845	2.118E+4	0.23
9373.	0.845	2.118E+4	0.227
9374.	0.841	2.118E+4	0.23
9375.	0.847	2.118E+4	0.229
9376.	0.851	2.118E+4	0.23
9377.	0.849	2.118E+4	0.227
9378.	0.84	2.118E+4	0.229
9379.	0.838	2.118E+4	0.23
9380.	0.838	2.118E+4	0.222
9381.	0.845	2.119E+4	0.228
9382.	0.845	2.119E+4	0.229
9383.	0.839	2.119E+4	0.224
9384.	0.841	2.119E+4	0.23
9385.	0.843	2.119E+4	0.232
9386.	0.841	2.119E+4	0.235
9387.	0.862	2.119E+4	0.228
9388.	0.841	2.119E+4	0.219
9389.	0.834	2.119E+4	0.225
9390.	0.839	2.119E+4	0.235
9391.	0.839	2.12E+4	0.23
9392.	0.838	2.12E+4	0.228
9393.	0.847	2.12E+4	0.221
9394.	0.839	2.12E+4	0.221
9395.	0.838	2.12E+4	0.234
9396.	0.843	2.12E+4	0.227
9397.	0.841	2.12E+4	0.232
9398.	0.847	2.12E+4	0.208
9399.	0.85	2.12E+4	0.228
9400.	0.846	2.12E+4	0.223
9401.	0.845	2.121E+4	0.23
9402.	0.834	2.121E+4	0.216
9403.	0.841	2.121E+4	0.23
9404.	0.836	2.121E+4	0.223
9405.	0.83	2.121E+4	0.22
9406.	0.839	2.121E+4	0.223
9407.	0.843	2.121E+4	0.221
9408.	0.845	2.121E+4	0.216
9409.	0.834	2.121E+4	0.221
9410.	0.841	2.121E+4	0.228
9411.	0.836	2.122E+4	0.222
9412.	0.838	2.122E+4	0.228
9413.	0.845	2.122E+4	0.226
9414.	0.841	2.122E+4	0.23
9415.	0.841	2.122E+4	0.224
9416.	0.849	2.122E+4	0.228
9417.	0.845	2.122E+4	0.227
9418.	0.849	2.122E+4	0.225
9419.	0.843	2.122E+4	0.227
9420.	0.847	2.122E+4	0.234
9421.	0.839	2.123E+4	0.227
9422.	0.836	2.123E+4	0.228
9423.	0.841	2.123E+4	0.235
9424.	0.838	2.123E+4	0.221
9425.	0.843	2.123E+4	0.227

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9426.	0.845	2.123E+4	0.223
9427.	0.843	2.123E+4	0.225
9428.	0.839	2.123E+4	0.217
9429.	0.843	2.123E+4	0.223
9430.	0.839	2.123E+4	0.233
9431.	0.843	2.124E+4	0.23
9432.	0.838	2.124E+4	0.223
9433.	0.848	2.124E+4	0.227
9434.	0.843	2.124E+4	0.23
9435.	0.832	2.124E+4	0.224
9436.	0.839	2.124E+4	0.232
9437.	0.841	2.124E+4	0.216
9438.	0.847	2.124E+4	0.228
9439.	0.836	2.124E+4	0.217
9440.	0.841	2.124E+4	0.232
9441.	0.839	2.125E+4	0.222
9442.	0.842	2.125E+4	0.216
9443.	0.841	2.125E+4	0.223
9444.	0.843	2.125E+4	0.223
9445.	0.832	2.125E+4	0.221
9446.	0.841	2.125E+4	0.229
9447.	0.841	2.125E+4	0.214
9448.	0.841	2.125E+4	0.216
9449.	0.838	2.125E+4	0.222
9450.	0.845	2.125E+4	0.225
9451.	0.839	2.126E+4	0.226
9452.	0.838	2.126E+4	0.217
9453.	0.841	2.126E+4	0.216
9454.	0.838	2.126E+4	0.226
9455.	0.843	2.126E+4	0.224
9456.	0.839	2.126E+4	0.214
9457.	0.841	2.126E+4	0.226
9458.	0.839	2.126E+4	0.22
9459.	0.839	2.126E+4	0.221
9460.	0.836	2.126E+4	0.214
9461.	0.843	2.127E+4	0.222
9462.	0.843	2.127E+4	0.225
9463.	0.847	2.127E+4	0.232
9464.	0.837	2.127E+4	0.219
9465.	0.839	2.127E+4	0.216
9466.	0.834	2.127E+4	0.225
9467.	0.846	2.127E+4	0.225
9468.	0.834	2.127E+4	0.228
9469.	0.825	2.127E+4	0.223
9470.	0.843	2.127E+4	0.227
9471.	0.838	2.128E+4	0.219
9472.	0.839	2.128E+4	0.217
9473.	0.841	2.128E+4	0.224
9474.	0.838	2.128E+4	0.222
9475.	0.838	2.128E+4	0.212
9476.	0.836	2.128E+4	0.217
9477.	0.845	2.128E+4	0.226
9478.	0.836	2.128E+4	0.229
9479.	0.843	2.128E+4	0.224
9480.	0.832	2.128E+4	0.237

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9481.	0.838	2.129E+4	0.228
9482.	0.835	2.129E+4	0.222
9483.	0.83	2.129E+4	0.219
9484.	0.838	2.129E+4	0.226
9485.	0.827	2.129E+4	0.225
9486.	0.839	2.129E+4	0.219
9487.	0.838	2.129E+4	0.216
9488.	0.836	2.129E+4	0.219
9489.	0.834	2.129E+4	0.225
9490.	0.848	2.129E+4	0.215
9491.	0.847	2.13E+4	0.225
9492.	0.836	2.13E+4	0.219
9493.	0.843	2.13E+4	0.218
9494.	0.832	2.13E+4	0.217
9495.	0.836	2.13E+4	0.225
9496.	0.836	2.13E+4	0.221
9497.	0.834	2.13E+4	0.214
9498.	0.841	2.13E+4	0.225
9499.	0.832	2.13E+4	0.22
9500.	0.836	2.13E+4	0.226
9501.	0.836	2.131E+4	0.225
9502.	0.83	2.131E+4	0.219
9503.	0.841	2.131E+4	0.223
9504.	0.825	2.131E+4	0.217
9505.	0.834	2.131E+4	0.217
9506.	0.83	2.131E+4	0.22
9507.	0.836	2.131E+4	0.224
9508.	0.829	2.131E+4	0.223
9509.	0.841	2.131E+4	0.214
9510.	0.834	2.131E+4	0.233
9511.	0.834	2.132E+4	0.214
9512.	0.838	2.132E+4	0.226
9513.	0.834	2.132E+4	0.223
9514.	0.834	2.132E+4	0.217
9515.	0.841	2.132E+4	0.22
9516.	0.841	2.132E+4	0.219
9517.	0.843	2.132E+4	0.215
9518.	0.847	2.132E+4	0.223
9519.	0.83	2.132E+4	0.228
9520.	0.839	2.132E+4	0.214
9521.	0.832	2.133E+4	0.214
9522.	0.839	2.133E+4	0.233
9523.	0.834	2.133E+4	0.225
9524.	0.838	2.133E+4	0.215
9525.	0.834	2.133E+4	0.216
9526.	0.832	2.133E+4	0.216
9527.	0.836	2.133E+4	0.233
9528.	0.829	2.133E+4	0.222
9529.	0.83	2.133E+4	0.225
9530.	0.834	2.133E+4	0.218
9531.	0.834	2.134E+4	0.225
9532.	0.832	2.134E+4	0.225
9533.	0.836	2.134E+4	0.217
9534.	0.832	2.134E+4	0.224
9535.	0.838	2.134E+4	0.226

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9536.	0.858	2.134E+4	0.213
9537.	0.834	2.134E+4	0.21
9538.	0.832	2.134E+4	0.221
9539.	0.834	2.134E+4	0.216
9540.	0.834	2.134E+4	0.231
9541.	0.832	2.135E+4	0.223
9542.	0.832	2.135E+4	0.228
9543.	0.832	2.135E+4	0.219
9544.	0.83	2.135E+4	0.223
9545.	0.839	2.135E+4	0.219
9546.	0.834	2.135E+4	0.229
9547.	0.836	2.135E+4	0.229
9548.	0.836	2.135E+4	0.228
9549.	0.839	2.135E+4	0.213
9550.	0.841	2.135E+4	0.226
9551.	0.827	2.136E+4	0.228
9552.	0.843	2.136E+4	0.218
9553.	0.839	2.136E+4	0.227
9554.	0.834	2.136E+4	0.214
9555.	0.83	2.136E+4	0.216
9556.	0.83	2.136E+4	0.227
9557.	0.832	2.136E+4	0.221
9558.	0.829	2.136E+4	0.219
9559.	0.838	2.136E+4	0.217
9560.	0.832	2.136E+4	0.225
9561.	0.834	2.137E+4	0.224
9562.	0.839	2.137E+4	0.209
9563.	0.829	2.137E+4	0.223
9564.	0.83	2.137E+4	0.225
9565.	0.839	2.137E+4	0.217
9566.	0.829	2.137E+4	0.212
9567.	0.832	2.137E+4	0.221
9568.	0.827	2.137E+4	0.221
9569.	0.836	2.137E+4	0.218
9570.	0.832	2.137E+4	0.221
9571.	0.836	2.138E+4	0.223
9572.	0.832	2.138E+4	0.222
9573.	0.832	2.138E+4	0.217
9574.	0.829	2.138E+4	0.219
9575.	0.827	2.138E+4	0.219
9576.	0.83	2.138E+4	0.219
9577.	0.83	2.138E+4	0.212
9578.	0.827	2.138E+4	0.221
9579.	0.834	2.138E+4	0.225
9580.	0.834	2.138E+4	0.206
9581.	0.836	2.139E+4	0.217
9582.	0.836	2.139E+4	0.216
9583.	0.832	2.139E+4	0.223
9584.	0.834	2.139E+4	0.219
9585.	0.839	2.139E+4	0.216
9586.	0.827	2.139E+4	0.217
9587.	0.832	2.139E+4	0.214
9588.	0.829	2.139E+4	0.214
9589.	0.836	2.139E+4	0.208
9590.	0.829	2.139E+4	0.217

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9591.	0.847	2.14E+4	0.221
9592.	0.834	2.14E+4	0.214
9593.	0.832	2.14E+4	0.219
9594.	0.834	2.14E+4	0.214
9595.	0.834	2.14E+4	0.215
9596.	0.838	2.14E+4	0.208
9597.	0.83	2.14E+4	0.218
9598.	0.841	2.14E+4	0.22
9599.	0.829	2.14E+4	0.216
9600.	0.839	2.14E+4	0.228
9601.	0.825	2.141E+4	0.215
9602.	0.836	2.141E+4	0.22
9603.	0.83	2.141E+4	0.217
9604.	0.834	2.141E+4	0.216
9605.	0.83	2.141E+4	0.22
9606.	0.832	2.141E+4	0.223
9607.	0.827	2.141E+4	0.229
9608.	0.832	2.141E+4	0.216
9609.	0.827	2.141E+4	0.216
9610.	0.829	2.141E+4	0.214
9611.	0.839	2.142E+4	0.218
9612.	0.825	2.142E+4	0.212
9613.	0.836	2.142E+4	0.217
9614.	0.834	2.142E+4	0.225
9615.	0.824	2.142E+4	0.224
9616.	0.829	2.142E+4	0.213
9617.	0.833	2.142E+4	0.216
9618.	0.827	2.142E+4	0.22
9619.	0.829	2.142E+4	0.224
9620.	0.834	2.142E+4	0.233
9621.	0.838	2.143E+4	0.209
9622.	0.832	2.143E+4	0.216
9623.	0.839	2.143E+4	0.218
9624.	0.83	2.143E+4	0.216
9625.	0.836	2.143E+4	0.222
9626.	0.829	2.143E+4	0.217
9627.	0.83	2.143E+4	0.21
9628.	0.831	2.143E+4	0.217
9629.	0.825	2.143E+4	0.222
9630.	0.832	2.143E+4	0.222
9631.	0.829	2.144E+4	0.213
9632.	0.83	2.144E+4	0.221
9633.	0.823	2.144E+4	0.215
9634.	0.83	2.144E+4	0.21
9635.	0.838	2.144E+4	0.212
9636.	0.83	2.144E+4	0.217
9637.	0.829	2.144E+4	0.215
9638.	0.832	2.144E+4	0.216
9639.	0.816	2.144E+4	0.211
9640.	0.832	2.144E+4	0.22
9641.	0.827	2.145E+4	0.223
9642.	0.83	2.145E+4	0.218
9643.	0.834	2.145E+4	0.216
9644.	0.83	2.145E+4	0.223
9645.	0.827	2.145E+4	0.222

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9646.	0.83	2.145E+4	0.217
9647.	0.83	2.145E+4	0.211
9648.	0.823	2.145E+4	0.219
9649.	0.83	2.145E+4	0.224
9650.	0.829	2.145E+4	0.216
9651.	0.829	2.146E+4	0.216
9652.	0.827	2.146E+4	0.221
9653.	0.825	2.146E+4	0.219
9654.	0.83	2.146E+4	0.217
9655.	0.829	2.146E+4	0.217
9656.	0.812	2.146E+4	0.217
9657.	0.818	2.146E+4	0.222
9658.	0.823	2.146E+4	0.224
9659.	0.827	2.146E+4	0.216
9660.	0.823	2.146E+4	0.214
9661.	0.825	2.147E+4	0.225
9662.	0.827	2.147E+4	0.217
9663.	0.818	2.147E+4	0.214
9664.	0.829	2.147E+4	0.217
9665.	0.825	2.147E+4	0.209
9666.	0.825	2.147E+4	0.222
9667.	0.821	2.147E+4	0.215
9668.	0.823	2.147E+4	0.22
9669.	0.83	2.147E+4	0.216
9670.	0.83	2.147E+4	0.222
9671.	0.827	2.148E+4	0.222
9672.	0.821	2.148E+4	0.216
9673.	0.819	2.148E+4	0.208
9674.	0.818	2.148E+4	0.214
9675.	0.823	2.148E+4	0.208
9676.	0.823	2.148E+4	0.214
9677.	0.821	2.148E+4	0.215
9678.	0.829	2.148E+4	0.22
9679.	0.83	2.148E+4	0.216
9680.	0.83	2.148E+4	0.218
9681.	0.829	2.149E+4	0.216
9682.	0.823	2.149E+4	0.217
9683.	0.829	2.149E+4	0.214
9684.	0.827	2.149E+4	0.218
9685.	0.83	2.149E+4	0.218
9686.	0.819	2.149E+4	0.217
9687.	0.823	2.149E+4	0.217
9688.	0.823	2.149E+4	0.224
9689.	0.821	2.149E+4	0.216
9690.	0.821	2.149E+4	0.22
9691.	0.827	2.15E+4	0.217
9692.	0.814	2.15E+4	0.214
9693.	0.838	2.15E+4	0.212
9694.	0.818	2.15E+4	0.218
9695.	0.819	2.15E+4	0.217
9696.	0.821	2.15E+4	0.221
9697.	0.829	2.15E+4	0.217
9698.	0.825	2.15E+4	0.214
9699.	0.819	2.15E+4	0.211
9700.	0.827	2.15E+4	0.219

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9701.	0.825	2.151E+4	0.209
9702.	0.821	2.151E+4	0.212
9703.	0.823	2.151E+4	0.211
9704.	0.819	2.151E+4	0.203
9705.	0.825	2.151E+4	0.209
9706.	0.818	2.151E+4	0.21
9707.	0.818	2.151E+4	0.209
9708.	0.818	2.151E+4	0.208
9709.	0.816	2.151E+4	0.217
9710.	0.827	2.151E+4	0.217
9711.	0.823	2.152E+4	0.215
9712.	0.825	2.152E+4	0.217
9713.	0.823	2.152E+4	0.211
9714.	0.821	2.152E+4	0.214
9715.	0.825	2.152E+4	0.217
9716.	0.818	2.152E+4	0.219
9717.	0.823	2.152E+4	0.237
9718.	0.814	2.152E+4	0.211
9719.	0.814	2.152E+4	0.21
9720.	0.821	2.152E+4	0.214
9721.	0.814	2.153E+4	0.223
9722.	0.824	2.153E+4	0.217
9723.	0.827	2.153E+4	0.22
9724.	0.829	2.153E+4	0.217
9725.	0.827	2.153E+4	0.215
9726.	0.827	2.153E+4	0.215
9727.	0.819	2.153E+4	0.211
9728.	0.823	2.153E+4	0.217
9729.	0.814	2.153E+4	0.22
9730.	0.814	2.153E+4	0.223
9731.	0.825	2.154E+4	0.217
9732.	0.819	2.154E+4	0.216
9733.	0.823	2.154E+4	0.216
9734.	0.816	2.154E+4	0.217
9735.	0.818	2.154E+4	0.216
9736.	0.819	2.154E+4	0.208
9737.	0.814	2.154E+4	0.22
9738.	0.823	2.154E+4	0.215
9739.	0.818	2.154E+4	0.213
9740.	0.823	2.154E+4	0.217
9741.	0.818	2.155E+4	0.212
9742.	0.825	2.155E+4	0.213
9743.	0.814	2.155E+4	0.215
9744.	0.818	2.155E+4	0.221
9745.	0.821	2.155E+4	0.223
9746.	0.816	2.155E+4	0.215
9747.	0.818	2.155E+4	0.219
9748.	0.827	2.155E+4	0.212
9749.	0.825	2.155E+4	0.217
9750.	0.819	2.155E+4	0.22
9751.	0.81	2.156E+4	0.214
9752.	0.809	2.156E+4	0.223
9753.	0.816	2.156E+4	0.21
9754.	0.814	2.156E+4	0.219
9755.	0.823	2.156E+4	0.216

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9756.	0.805	2.156E+4	0.216
9757.	0.818	2.156E+4	0.212
9758.	0.821	2.156E+4	0.215
9759.	0.818	2.156E+4	0.215
9760.	0.819	2.156E+4	0.212
9761.	0.823	2.157E+4	0.216
9762.	0.814	2.157E+4	0.211
9763.	0.823	2.157E+4	0.206
9764.	0.794	2.157E+4	0.208
9765.	0.815	2.157E+4	0.214
9766.	0.809	2.157E+4	0.215
9767.	0.819	2.157E+4	0.22
9768.	0.812	2.157E+4	0.217
9769.	0.819	2.157E+4	0.216
9770.	0.814	2.157E+4	0.218
9771.	0.812	2.158E+4	0.212
9772.	0.818	2.158E+4	0.217
9773.	0.812	2.158E+4	0.205
9774.	0.814	2.158E+4	0.224
9775.	0.816	2.158E+4	0.214
9776.	0.812	2.158E+4	0.208
9777.	0.821	2.158E+4	0.214
9778.	0.81	2.158E+4	0.212
9779.	0.816	2.158E+4	0.224
9780.	0.818	2.158E+4	0.221
9781.	0.818	2.159E+4	0.224
9782.	0.807	2.159E+4	0.221
9783.	0.818	2.159E+4	0.214
9784.	0.812	2.159E+4	0.218
9785.	0.821	2.159E+4	0.224
9786.	0.814	2.159E+4	0.225
9787.	0.81	2.159E+4	0.217
9788.	0.81	2.159E+4	0.21
9789.	0.825	2.159E+4	0.213
9790.	0.819	2.159E+4	0.209
9791.	0.821	2.16E+4	0.214
9792.	0.819	2.16E+4	0.208
9793.	0.818	2.16E+4	0.216
9794.	0.821	2.16E+4	0.214
9795.	0.815	2.16E+4	0.213
9796.	0.809	2.16E+4	0.214
9797.	0.814	2.16E+4	0.21
9798.	0.814	2.16E+4	0.22
9799.	0.816	2.16E+4	0.215
9800.	0.816	2.16E+4	0.217
9801.	0.818	2.161E+4	0.205
9802.	0.818	2.161E+4	0.21
9803.	0.812	2.161E+4	0.215
9804.	0.816	2.161E+4	0.212
9805.	0.819	2.161E+4	0.22
9806.	0.816	2.161E+4	0.203
9807.	0.819	2.161E+4	0.22
9808.	0.819	2.161E+4	0.213
9809.	0.814	2.161E+4	0.216
9810.	0.818	2.161E+4	0.211

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9811.	0.818	2.162E+4	0.208
9812.	0.819	2.162E+4	0.21
9813.	0.814	2.162E+4	0.208
9814.	0.807	2.162E+4	0.208
9815.	0.819	2.162E+4	0.208
9816.	0.81	2.162E+4	0.211
9817.	0.81	2.162E+4	0.2
9818.	0.816	2.162E+4	0.212
9819.	0.812	2.162E+4	0.202
9820.	0.814	2.162E+4	0.208
9821.	0.807	2.163E+4	0.204
9822.	0.814	2.163E+4	0.206
9823.	0.81	2.163E+4	0.211
9824.	0.814	2.163E+4	0.21
9825.	0.825	2.163E+4	0.214
9826.	0.816	2.163E+4	0.217
9827.	0.809	2.163E+4	0.21
9828.	0.819	2.163E+4	0.209
9829.	0.818	2.163E+4	0.22
9830.	0.818	2.163E+4	0.208
9831.	0.809	2.164E+4	0.218
9832.	0.816	2.164E+4	0.214
9833.	0.809	2.164E+4	0.214
9834.	0.812	2.164E+4	0.215
9835.	0.812	2.164E+4	0.216
9836.	0.812	2.164E+4	0.214
9837.	0.819	2.164E+4	0.21
9838.	0.814	2.164E+4	0.214
9839.	0.81	2.164E+4	0.217
9840.	0.807	2.164E+4	0.219
9841.	0.818	2.165E+4	0.208
9842.	0.821	2.165E+4	0.21
9843.	0.814	2.165E+4	0.21
9844.	0.818	2.165E+4	0.213
9845.	0.81	2.165E+4	0.205
9846.	0.814	2.165E+4	0.205
9847.	0.807	2.165E+4	0.212
9848.	0.819	2.165E+4	0.211
9849.	0.835	2.165E+4	0.203
9850.	0.816	2.165E+4	0.217
9851.	0.823	2.166E+4	0.208
9852.	0.823	2.166E+4	0.21
9853.	0.816	2.166E+4	0.199
9854.	0.812	2.166E+4	0.206
9855.	0.807	2.166E+4	0.208
9856.	0.809	2.166E+4	0.21
9857.	0.812	2.166E+4	0.199
9858.	0.814	2.166E+4	0.217
9859.	0.811	2.166E+4	0.212
9860.	0.81	2.166E+4	0.214
9861.	0.818	2.167E+4	0.219
9862.	0.812	2.167E+4	0.202
9863.	0.814	2.167E+4	0.208
9864.	0.821	2.167E+4	0.211
9865.	0.807	2.167E+4	0.203

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9866.	0.819	2.167E+4	0.201
9867.	0.82	2.167E+4	0.216
9868.	0.805	2.167E+4	0.206
9869.	0.816	2.167E+4	0.205
9870.	0.81	2.167E+4	0.203
9871.	0.814	2.168E+4	0.213
9872.	0.816	2.168E+4	0.21
9873.	0.812	2.168E+4	0.208
9874.	0.809	2.168E+4	0.215
9875.	0.816	2.168E+4	0.208
9876.	0.807	2.168E+4	0.213
9877.	0.814	2.168E+4	0.205
9878.	0.812	2.168E+4	0.211
9879.	0.814	2.168E+4	0.206
9880.	0.805	2.168E+4	0.205
9881.	0.819	2.169E+4	0.21
9882.	0.809	2.169E+4	0.2
9883.	0.812	2.169E+4	0.21
9884.	0.821	2.169E+4	0.211
9885.	0.812	2.169E+4	0.213
9886.	0.809	2.169E+4	0.205
9887.	0.805	2.169E+4	0.206
9888.	0.798	2.169E+4	0.215
9889.	0.807	2.169E+4	0.212
9890.	0.812	2.169E+4	0.206
9891.	0.81	2.17E+4	0.208
9892.	0.81	2.17E+4	0.191
9893.	0.809	2.17E+4	0.212
9894.	0.805	2.17E+4	0.215
9895.	0.812	2.17E+4	0.217
9896.	0.812	2.17E+4	0.206
9897.	0.809	2.17E+4	0.205
9898.	0.816	2.17E+4	0.211
9899.	0.821	2.17E+4	0.206
9900.	0.812	2.17E+4	0.213
9901.	0.814	2.171E+4	0.217
9902.	0.807	2.171E+4	0.196
9903.	0.814	2.171E+4	0.217
9904.	0.807	2.171E+4	0.217
9905.	0.809	2.171E+4	0.208
9906.	0.816	2.171E+4	0.21
9907.	0.812	2.171E+4	0.208
9908.	0.803	2.171E+4	0.212
9909.	0.791	2.171E+4	0.212
9910.	0.809	2.171E+4	0.21
9911.	0.807	2.172E+4	0.212
9912.	0.814	2.172E+4	0.212
9913.	0.801	2.172E+4	0.208
9914.	0.805	2.172E+4	0.198
9915.	0.807	2.172E+4	0.203
9916.	0.816	2.172E+4	0.208
9917.	0.81	2.172E+4	0.21
9918.	0.809	2.172E+4	0.208
9919.	0.818	2.172E+4	0.204
9920.	0.823	2.172E+4	0.205

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9921.	0.81	2.173E+4	0.206
9922.	0.805	2.173E+4	0.204
9923.	0.816	2.173E+4	0.208
9924.	0.814	2.173E+4	0.206
9925.	0.809	2.173E+4	0.211
9926.	0.808	2.173E+4	0.206
9927.	0.81	2.173E+4	0.206
9928.	0.807	2.173E+4	0.212
9929.	0.81	2.173E+4	0.208
9930.	0.81	2.173E+4	0.2
9931.	0.805	2.174E+4	0.206
9932.	0.803	2.174E+4	0.206
9933.	0.807	2.174E+4	0.214
9934.	0.803	2.174E+4	0.206
9935.	0.809	2.174E+4	0.208
9936.	0.814	2.174E+4	0.199
9937.	0.837	2.174E+4	0.202
9938.	0.81	2.174E+4	0.211
9939.	0.81	2.174E+4	0.208
9940.	0.807	2.174E+4	0.214
9941.	0.809	2.175E+4	0.214
9942.	0.812	2.175E+4	0.199
9943.	0.807	2.175E+4	0.205
9944.	0.812	2.175E+4	0.203
9945.	0.801	2.175E+4	0.206
9946.	0.81	2.175E+4	0.204
9947.	0.805	2.175E+4	0.206
9948.	0.814	2.175E+4	0.208
9949.	0.805	2.175E+4	0.205
9950.	0.812	2.175E+4	0.197
9951.	0.807	2.176E+4	0.206
9952.	0.809	2.176E+4	0.205
9953.	0.814	2.176E+4	0.199
9954.	0.807	2.176E+4	0.201
9955.	0.816	2.176E+4	0.209
9956.	0.81	2.176E+4	0.206
9957.	0.812	2.176E+4	0.201
9958.	0.801	2.176E+4	0.199
9959.	0.809	2.176E+4	0.208
9960.	0.807	2.176E+4	0.205
9961.	0.807	2.177E+4	0.209
9962.	0.814	2.177E+4	0.208
9963.	0.812	2.177E+4	0.209
9964.	0.812	2.177E+4	0.206
9965.	0.805	2.177E+4	0.199
9966.	0.805	2.177E+4	0.2
9967.	0.803	2.177E+4	0.214
9968.	0.801	2.177E+4	0.199
9969.	0.809	2.177E+4	0.203
9970.	0.807	2.177E+4	0.199
9971.	0.809	2.178E+4	0.203
9972.	0.799	2.178E+4	0.209
9973.	0.813	2.178E+4	0.212
9974.	0.801	2.178E+4	0.205
9975.	0.803	2.178E+4	0.208

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
9976.	0.803	2.178E+4	0.21
9977.	0.803	2.178E+4	0.211
9978.	0.799	2.178E+4	0.203
9979.	0.814	2.178E+4	0.203
9980.	0.801	2.178E+4	0.203
9981.	0.798	2.179E+4	0.208
9982.	0.798	2.179E+4	0.206
9983.	0.798	2.179E+4	0.209
9984.	0.809	2.179E+4	0.21
9985.	0.799	2.179E+4	0.208
9986.	0.803	2.179E+4	0.206
9987.	0.801	2.179E+4	0.199
9988.	0.807	2.179E+4	0.211
9989.	0.801	2.179E+4	0.203
9990.	0.807	2.179E+4	0.197
9991.	0.798	2.18E+4	0.202
9992.	0.801	2.18E+4	0.204
9993.	0.794	2.18E+4	0.2
9994.	0.807	2.18E+4	0.213
9995.	0.79	2.18E+4	0.202
9996.	0.803	2.18E+4	0.224
9997.	0.803	2.18E+4	0.199
9998.	0.798	2.18E+4	0.203
9999.	0.805	2.18E+4	0.203
10000.	0.813	2.18E+4	0.181
1.0E+4	0.801	2.181E+4	0.205
1.0E+4	0.798	2.181E+4	0.203
1.0E+4	0.803	2.181E+4	0.206
1.0E+4	0.807	2.181E+4	0.209
1.001E+4	0.805	2.181E+4	0.21
1.001E+4	0.801	2.181E+4	0.212
1.001E+4	0.803	2.181E+4	0.206
1.001E+4	0.801	2.181E+4	0.208
1.001E+4	0.797	2.181E+4	0.193
1.001E+4	0.796	2.181E+4	0.196
1.001E+4	0.805	2.182E+4	0.199
1.001E+4	0.798	2.182E+4	0.204
1.001E+4	0.798	2.182E+4	0.197
1.001E+4	0.798	2.182E+4	0.21
1.002E+4	0.798	2.182E+4	0.199
1.002E+4	0.8	2.182E+4	0.214
1.002E+4	0.796	2.182E+4	0.204
1.002E+4	0.798	2.182E+4	0.205
1.002E+4	0.799	2.182E+4	0.206
1.002E+4	0.801	2.182E+4	0.203
1.002E+4	0.798	2.183E+4	0.202
1.002E+4	0.799	2.183E+4	0.202
1.002E+4	0.798	2.183E+4	0.197
1.002E+4	0.789	2.183E+4	0.204
1.003E+4	0.809	2.183E+4	0.2
1.003E+4	0.796	2.183E+4	0.204
1.003E+4	0.801	2.183E+4	0.203
1.003E+4	0.798	2.183E+4	0.201
1.003E+4	0.809	2.183E+4	0.203
1.003E+4	0.801	2.183E+4	0.204

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.003E+4	0.798	2.184E+4	0.198
1.003E+4	0.798	2.184E+4	0.205
1.003E+4	0.803	2.184E+4	0.199
1.003E+4	0.786	2.184E+4	0.197
1.004E+4	0.795	2.184E+4	0.206
1.004E+4	0.798	2.184E+4	0.206
1.004E+4	0.787	2.184E+4	0.204
1.004E+4	0.798	2.184E+4	0.205
1.004E+4	0.797	2.184E+4	0.203
1.004E+4	0.792	2.184E+4	0.21
1.004E+4	0.794	2.185E+4	0.2
1.004E+4	0.803	2.185E+4	0.206
1.004E+4	0.803	2.185E+4	0.205
1.004E+4	0.796	2.185E+4	0.197
1.005E+4	0.79	2.185E+4	0.208
1.005E+4	0.799	2.185E+4	0.2
1.005E+4	0.794	2.185E+4	0.204
1.005E+4	0.799	2.185E+4	0.204
1.005E+4	0.799	2.185E+4	0.223
1.005E+4	0.794	2.185E+4	0.199
1.005E+4	0.801	2.186E+4	0.208
1.005E+4	0.798	2.186E+4	0.199
1.005E+4	0.798	2.186E+4	0.202
1.005E+4	0.799	2.186E+4	0.197
1.006E+4	0.801	2.186E+4	0.197
1.006E+4	0.801	2.186E+4	0.199
1.006E+4	0.795	2.186E+4	0.197
1.006E+4	0.803	2.186E+4	0.195
1.006E+4	0.792	2.186E+4	0.206
1.006E+4	0.794	2.186E+4	0.208
1.006E+4	0.794	2.187E+4	0.204
1.006E+4	0.792	2.187E+4	0.199
1.006E+4	0.79	2.187E+4	0.2
1.006E+4	0.792	2.187E+4	0.203
1.007E+4	0.796	2.187E+4	0.209
1.007E+4	0.801	2.187E+4	0.211
1.007E+4	0.799	2.187E+4	0.213
1.007E+4	0.799	2.187E+4	0.206
1.007E+4	0.799	2.187E+4	0.212
1.007E+4	0.799	2.187E+4	0.196
1.007E+4	0.794	2.188E+4	0.205
1.007E+4	0.801	2.188E+4	0.206
1.007E+4	0.799	2.188E+4	0.203
1.007E+4	0.801	2.188E+4	0.203
1.008E+4	0.789	2.188E+4	0.21
1.008E+4	0.789	2.188E+4	0.197
1.008E+4	0.789	2.188E+4	0.206
1.008E+4	0.799	2.188E+4	0.205
1.008E+4	0.799	2.188E+4	0.209
1.008E+4	0.79	2.188E+4	0.197
1.008E+4	0.79	2.189E+4	0.197
1.008E+4	0.799	2.189E+4	0.198
1.008E+4	0.801	2.189E+4	0.202
1.008E+4	0.805	2.189E+4	0.199
1.009E+4	0.798	2.189E+4	0.197

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.009E+4	0.798	2.189E+4	0.203
1.009E+4	0.801	2.189E+4	0.197
1.009E+4	0.799	2.189E+4	0.193
1.009E+4	0.794	2.189E+4	0.197
1.009E+4	0.799	2.189E+4	0.193
1.009E+4	0.794	2.19E+4	0.201
1.009E+4	0.798	2.19E+4	0.196
1.009E+4	0.801	2.19E+4	0.191
1.009E+4	0.794	2.19E+4	0.206
1.01E+4	0.792	2.19E+4	0.2
1.01E+4	0.79	2.19E+4	0.195
1.01E+4	0.792	2.19E+4	0.192
1.01E+4	0.796	2.19E+4	0.192
1.01E+4	0.798	2.19E+4	0.202
1.01E+4	0.794	2.19E+4	0.197
1.01E+4	0.792	2.191E+4	0.197
1.01E+4	0.798	2.191E+4	0.2
1.01E+4	0.792	2.191E+4	0.196
1.01E+4	0.799	2.191E+4	0.196
1.011E+4	0.792	2.191E+4	0.21
1.011E+4	0.79	2.191E+4	0.196
1.011E+4	0.796	2.191E+4	0.196
1.011E+4	0.792	2.191E+4	0.193
1.011E+4	0.794	2.191E+4	0.19
1.011E+4	0.801	2.191E+4	0.209
1.011E+4	0.793	2.192E+4	0.194
1.011E+4	0.796	2.192E+4	0.19
1.011E+4	0.792	2.192E+4	0.197
1.011E+4	0.785	2.192E+4	0.2
1.012E+4	0.781	2.192E+4	0.19
1.012E+4	0.796	2.192E+4	0.196
1.012E+4	0.79	2.192E+4	0.194
1.012E+4	0.796	2.192E+4	0.195
1.012E+4	0.785	2.192E+4	0.197
1.012E+4	0.794	2.192E+4	0.198
1.012E+4	0.792	2.193E+4	0.202
1.012E+4	0.794	2.193E+4	0.197
1.012E+4	0.801	2.193E+4	0.181
1.012E+4	0.789	2.193E+4	0.196
1.013E+4	0.787	2.193E+4	0.199
1.013E+4	0.794	2.193E+4	0.197
1.013E+4	0.792	2.193E+4	0.198
1.013E+4	0.798	2.193E+4	0.197
1.013E+4	0.789	2.193E+4	0.204
1.013E+4	0.79	2.193E+4	0.196
1.013E+4	0.798	2.194E+4	0.198
1.013E+4	0.798	2.194E+4	0.194
1.013E+4	0.795	2.194E+4	0.199
1.013E+4	0.789	2.194E+4	0.202
1.014E+4	0.794	2.194E+4	0.2
1.014E+4	0.794	2.194E+4	0.203
1.014E+4	0.796	2.194E+4	0.186
1.014E+4	0.794	2.194E+4	0.196
1.014E+4	0.79	2.194E+4	0.198
1.014E+4	0.787	2.194E+4	0.192

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.014E+4	0.792	2.195E+4	0.191
1.014E+4	0.794	2.195E+4	0.2
1.014E+4	0.79	2.195E+4	0.204
1.014E+4	0.794	2.195E+4	0.194
1.015E+4	0.79	2.195E+4	0.194
1.015E+4	0.796	2.195E+4	0.206
1.015E+4	0.799	2.195E+4	0.2
1.015E+4	0.792	2.195E+4	0.196
1.015E+4	0.787	2.195E+4	0.199
1.015E+4	0.794	2.195E+4	0.194
1.015E+4	0.792	2.196E+4	0.193
1.015E+4	0.789	2.196E+4	0.191
1.015E+4	0.794	2.196E+4	0.206
1.015E+4	0.792	2.196E+4	0.197
1.016E+4	0.794	2.196E+4	0.193
1.016E+4	0.787	2.196E+4	0.188
1.016E+4	0.792	2.196E+4	0.194
1.016E+4	0.792	2.196E+4	0.19
1.016E+4	0.787	2.196E+4	0.2
1.016E+4	0.799	2.196E+4	0.192
1.016E+4	0.783	2.197E+4	0.19
1.016E+4	0.787	2.197E+4	0.201
1.016E+4	0.798	2.197E+4	0.195
1.016E+4	0.79	2.197E+4	0.198
1.017E+4	0.792	2.197E+4	0.199
1.017E+4	0.789	2.197E+4	0.19
1.017E+4	0.79	2.197E+4	0.183
1.017E+4	0.794	2.197E+4	0.197
1.017E+4	0.794	2.197E+4	0.191
1.017E+4	0.789	2.197E+4	0.2
1.017E+4	0.783	2.198E+4	0.193
1.017E+4	0.798	2.198E+4	0.192
1.017E+4	0.794	2.198E+4	0.192
1.017E+4	0.787	2.198E+4	0.196
1.018E+4	0.796	2.198E+4	0.196
1.018E+4	0.79	2.198E+4	0.194
1.018E+4	0.787	2.198E+4	0.224
1.018E+4	0.776	2.198E+4	0.203
1.018E+4	0.787	2.198E+4	0.198
1.018E+4	0.789	2.198E+4	0.19
1.018E+4	0.789	2.199E+4	0.197
1.018E+4	0.789	2.199E+4	0.19
1.018E+4	0.789	2.199E+4	0.197
1.018E+4	0.787	2.199E+4	0.188
1.019E+4	0.781	2.199E+4	0.176
1.019E+4	0.79	2.199E+4	0.19
1.019E+4	0.785	2.199E+4	0.192
1.019E+4	0.781	2.199E+4	0.191
1.019E+4	0.778	2.199E+4	0.18
1.019E+4	0.79	2.199E+4	0.195
1.019E+4	0.778	2.2E+4	0.197
1.019E+4	0.79	2.2E+4	0.195
1.019E+4	0.785	2.2E+4	0.2
1.019E+4	0.785	2.2E+4	0.19
1.02E+4	0.789	2.2E+4	0.192

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.02E+4	0.785	2.2E+4	0.19
1.02E+4	0.783	2.2E+4	0.188
1.02E+4	0.779	2.2E+4	0.19
1.02E+4	0.789	2.2E+4	0.194
1.02E+4	0.792	2.2E+4	0.195
1.02E+4	0.787	2.201E+4	0.194
1.02E+4	0.792	2.201E+4	0.197
1.02E+4	0.788	2.201E+4	0.19
1.02E+4	0.785	2.201E+4	0.198
1.021E+4	0.79	2.201E+4	0.194
1.021E+4	0.787	2.201E+4	0.2
1.021E+4	0.787	2.201E+4	0.192
1.021E+4	0.789	2.201E+4	0.183
1.021E+4	0.79	2.201E+4	0.198
1.021E+4	0.785	2.201E+4	0.195
1.021E+4	0.783	2.202E+4	0.19
1.021E+4	0.79	2.202E+4	0.196
1.021E+4	0.781	2.202E+4	0.198
1.021E+4	0.785	2.202E+4	0.203
1.022E+4	0.79	2.202E+4	0.192
1.022E+4	0.785	2.202E+4	0.193
1.022E+4	0.788	2.202E+4	0.197
1.022E+4	0.786	2.202E+4	0.192
1.022E+4	0.785	2.202E+4	0.185
1.022E+4	0.789	2.202E+4	0.194
1.022E+4	0.785	2.203E+4	0.19
1.022E+4	0.792	2.203E+4	0.193
1.022E+4	0.787	2.203E+4	0.188
1.022E+4	0.789	2.203E+4	0.198
1.023E+4	0.781	2.203E+4	0.198
1.023E+4	0.785	2.203E+4	0.192
1.023E+4	0.789	2.203E+4	0.195
1.023E+4	0.794	2.203E+4	0.194
1.023E+4	0.796	2.203E+4	0.197
1.023E+4	0.787	2.203E+4	0.193
1.023E+4	0.791	2.204E+4	0.197
1.023E+4	0.789	2.204E+4	0.199
1.023E+4	0.779	2.204E+4	0.195
1.023E+4	0.783	2.204E+4	0.197
1.024E+4	0.785	2.204E+4	0.197
1.024E+4	0.79	2.204E+4	0.197
1.024E+4	0.792	2.204E+4	0.204
1.024E+4	0.792	2.204E+4	0.192
1.024E+4	0.785	2.204E+4	0.191
1.024E+4	0.794	2.204E+4	0.191
1.024E+4	0.783	2.205E+4	0.197
1.024E+4	0.785	2.205E+4	0.188
1.024E+4	0.789	2.205E+4	0.191
1.024E+4	0.792	2.205E+4	0.186
1.025E+4	0.785	2.205E+4	0.188
1.025E+4	0.788	2.205E+4	0.194
1.025E+4	0.789	2.205E+4	0.194
1.025E+4	0.781	2.205E+4	0.194
1.025E+4	0.791	2.205E+4	0.197
1.025E+4	0.787	2.205E+4	0.196

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.025E+4	0.79	2.206E+4	0.188
1.025E+4	0.792	2.206E+4	0.193
1.025E+4	0.789	2.206E+4	0.191
1.025E+4	0.79	2.206E+4	0.197
1.026E+4	0.787	2.206E+4	0.199
1.026E+4	0.787	2.206E+4	0.197
1.026E+4	0.778	2.206E+4	0.193
1.026E+4	0.787	2.206E+4	0.192
1.026E+4	0.789	2.206E+4	0.188
1.026E+4	0.785	2.206E+4	0.197
1.026E+4	0.789	2.207E+4	0.177
1.026E+4	0.781	2.207E+4	0.193
1.026E+4	0.781	2.207E+4	0.194
1.026E+4	0.794	2.207E+4	0.199
1.027E+4	0.785	2.207E+4	0.199
1.027E+4	0.785	2.207E+4	0.198
1.027E+4	0.787	2.207E+4	0.192
1.027E+4	0.789	2.207E+4	0.202
1.027E+4	0.79	2.207E+4	0.191
1.027E+4	0.793	2.207E+4	0.199
1.027E+4	0.796	2.208E+4	0.191
1.027E+4	0.787	2.208E+4	0.196
1.027E+4	0.785	2.208E+4	0.184
1.027E+4	0.787	2.208E+4	0.197
1.028E+4	0.785	2.208E+4	0.186
1.028E+4	0.789	2.208E+4	0.19
1.028E+4	0.787	2.208E+4	0.192
1.028E+4	0.79	2.208E+4	0.192
1.028E+4	0.785	2.208E+4	0.197
1.028E+4	0.778	2.208E+4	0.196
1.028E+4	0.792	2.209E+4	0.196
1.028E+4	0.789	2.209E+4	0.192
1.028E+4	0.785	2.209E+4	0.2
1.028E+4	0.789	2.209E+4	0.19
1.029E+4	0.783	2.209E+4	0.196
1.029E+4	0.789	2.209E+4	0.188
1.029E+4	0.785	2.209E+4	0.195
1.029E+4	0.785	2.209E+4	0.192
1.029E+4	0.789	2.209E+4	0.196
1.029E+4	0.779	2.209E+4	0.196
1.029E+4	0.796	2.21E+4	0.188
1.029E+4	0.783	2.21E+4	0.197
1.029E+4	0.787	2.21E+4	0.188
1.029E+4	0.787	2.21E+4	0.194
1.03E+4	0.785	2.21E+4	0.192
1.03E+4	0.784	2.21E+4	0.192
1.03E+4	0.785	2.21E+4	0.193
1.03E+4	0.785	2.21E+4	0.193
1.03E+4	0.789	2.21E+4	0.188
1.03E+4	0.781	2.21E+4	0.192
1.03E+4	0.785	2.211E+4	0.199
1.03E+4	0.785	2.211E+4	0.19
1.03E+4	0.792	2.211E+4	0.19
1.03E+4	0.789	2.211E+4	0.188
1.031E+4	0.779	2.211E+4	0.194

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.031E+4	0.783	2.211E+4	0.197
1.031E+4	0.781	2.211E+4	0.195
1.031E+4	0.789	2.211E+4	0.194
1.031E+4	0.785	2.211E+4	0.19
1.031E+4	0.787	2.211E+4	0.19
1.031E+4	0.779	2.212E+4	0.188
1.031E+4	0.785	2.212E+4	0.197
1.031E+4	0.789	2.212E+4	0.198
1.031E+4	0.789	2.212E+4	0.168
1.032E+4	0.783	2.212E+4	0.19
1.032E+4	0.781	2.212E+4	0.194
1.032E+4	0.781	2.212E+4	0.186
1.032E+4	0.783	2.212E+4	0.186
1.032E+4	0.789	2.212E+4	0.191
1.032E+4	0.783	2.212E+4	0.186
1.032E+4	0.79	2.213E+4	0.188
1.032E+4	0.787	2.213E+4	0.19
1.032E+4	0.79	2.213E+4	0.203
1.032E+4	0.79	2.213E+4	0.191
1.033E+4	0.781	2.213E+4	0.188
1.033E+4	0.789	2.213E+4	0.184
1.033E+4	0.776	2.213E+4	0.198
1.033E+4	0.779	2.213E+4	0.192
1.033E+4	0.781	2.213E+4	0.181
1.033E+4	0.789	2.213E+4	0.185
1.033E+4	0.787	2.214E+4	0.181
1.033E+4	0.785	2.214E+4	0.202
1.033E+4	0.783	2.214E+4	0.183
1.033E+4	0.787	2.214E+4	0.188
1.034E+4	0.783	2.214E+4	0.188
1.034E+4	0.787	2.214E+4	0.202
1.034E+4	0.77	2.214E+4	0.188
1.034E+4	0.789	2.214E+4	0.196
1.034E+4	0.787	2.214E+4	0.192
1.034E+4	0.783	2.214E+4	0.198
1.034E+4	0.769	2.215E+4	0.186
1.034E+4	0.781	2.215E+4	0.186
1.034E+4	0.778	2.215E+4	0.192
1.034E+4	0.783	2.215E+4	0.191
1.035E+4	0.778	2.215E+4	0.181
1.035E+4	0.779	2.215E+4	0.188
1.035E+4	0.792	2.215E+4	0.186
1.035E+4	0.781	2.215E+4	0.188
1.035E+4	0.783	2.215E+4	0.177
1.035E+4	0.789	2.215E+4	0.191
1.035E+4	0.783	2.216E+4	0.193
1.035E+4	0.779	2.216E+4	0.194
1.035E+4	0.792	2.216E+4	0.195
1.035E+4	0.787	2.216E+4	0.189
1.036E+4	0.779	2.216E+4	0.191
1.036E+4	0.778	2.216E+4	0.192
1.036E+4	0.778	2.216E+4	0.193
1.036E+4	0.779	2.216E+4	0.194
1.036E+4	0.776	2.216E+4	0.191
1.036E+4	0.785	2.216E+4	0.194

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.036E+4	0.776	2.217E+4	0.181
1.036E+4	0.779	2.217E+4	0.196
1.036E+4	0.781	2.217E+4	0.193
1.036E+4	0.787	2.217E+4	0.181
1.037E+4	0.789	2.217E+4	0.194
1.037E+4	0.785	2.217E+4	0.196
1.037E+4	0.783	2.217E+4	0.193
1.037E+4	0.782	2.217E+4	0.196
1.037E+4	0.778	2.217E+4	0.185
1.037E+4	0.774	2.217E+4	0.191
1.037E+4	0.783	2.218E+4	0.185
1.037E+4	0.778	2.218E+4	0.196
1.037E+4	0.781	2.218E+4	0.188
1.037E+4	0.783	2.218E+4	0.19
1.038E+4	0.779	2.218E+4	0.189
1.038E+4	0.774	2.218E+4	0.185
1.038E+4	0.783	2.218E+4	0.188
1.038E+4	0.781	2.218E+4	0.188
1.038E+4	0.781	2.218E+4	0.184
1.038E+4	0.789	2.218E+4	0.196
1.038E+4	0.781	2.219E+4	0.174
1.038E+4	0.783	2.219E+4	0.181
1.038E+4	0.787	2.219E+4	0.188
1.038E+4	0.779	2.219E+4	0.192
1.039E+4	0.778	2.219E+4	0.185
1.039E+4	0.788	2.219E+4	0.186
1.039E+4	0.778	2.219E+4	0.188
1.039E+4	0.783	2.219E+4	0.181
1.039E+4	0.787	2.219E+4	0.205
1.039E+4	0.781	2.219E+4	0.179
1.039E+4	0.781	2.22E+4	0.188
1.039E+4	0.779	2.22E+4	0.183
1.039E+4	0.781	2.22E+4	0.188
1.039E+4	0.778	2.22E+4	0.192
1.04E+4	0.785	2.22E+4	0.185
1.04E+4	0.783	2.22E+4	0.196
1.04E+4	0.781	2.22E+4	0.183
1.04E+4	0.776	2.22E+4	0.185
1.04E+4	0.77	2.22E+4	0.178
1.04E+4	0.769	2.22E+4	0.184
1.04E+4	0.776	2.221E+4	0.177
1.04E+4	0.772	2.221E+4	0.189
1.04E+4	0.772	2.221E+4	0.188
1.04E+4	0.774	2.221E+4	0.188
1.041E+4	0.772	2.221E+4	0.179
1.041E+4	0.778	2.221E+4	0.188
1.041E+4	0.782	2.221E+4	0.192
1.041E+4	0.781	2.221E+4	0.189
1.041E+4	0.781	2.221E+4	0.194
1.041E+4	0.776	2.221E+4	0.177
1.041E+4	0.777	2.222E+4	0.188
1.041E+4	0.776	2.222E+4	0.189
1.041E+4	0.772	2.222E+4	0.186
1.041E+4	0.782	2.222E+4	0.18
1.042E+4	0.772	2.222E+4	0.189

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.042E+4	0.778	2.222E+4	0.188
1.042E+4	0.769	2.222E+4	0.188
1.042E+4	0.778	2.222E+4	0.188
1.042E+4	0.772	2.222E+4	0.185
1.042E+4	0.776	2.222E+4	0.195
1.042E+4	0.772	2.223E+4	0.186
1.042E+4	0.783	2.223E+4	0.188
1.042E+4	0.776	2.223E+4	0.196
1.042E+4	0.776	2.223E+4	0.186
1.043E+4	0.779	2.223E+4	0.185
1.043E+4	0.772	2.223E+4	0.179
1.043E+4	0.803	2.223E+4	0.181
1.043E+4	0.779	2.223E+4	0.181
1.043E+4	0.778	2.223E+4	0.182
1.043E+4	0.774	2.223E+4	0.188
1.043E+4	0.776	2.224E+4	0.197
1.043E+4	0.776	2.224E+4	0.182
1.043E+4	0.781	2.224E+4	0.183
1.043E+4	0.779	2.224E+4	0.181
1.044E+4	0.778	2.224E+4	0.181
1.044E+4	0.781	2.224E+4	0.183
1.044E+4	0.785	2.224E+4	0.181
1.044E+4	0.776	2.224E+4	0.183
1.044E+4	0.776	2.224E+4	0.183
1.044E+4	0.781	2.224E+4	0.189
1.044E+4	0.781	2.225E+4	0.182
1.044E+4	0.767	2.225E+4	0.188
1.044E+4	0.778	2.225E+4	0.185
1.044E+4	0.774	2.225E+4	0.185
1.045E+4	0.776	2.225E+4	0.182
1.045E+4	0.776	2.225E+4	0.184
1.045E+4	0.779	2.225E+4	0.19
1.045E+4	0.787	2.225E+4	0.186
1.045E+4	0.785	2.225E+4	0.177
1.045E+4	0.776	2.225E+4	0.181
1.045E+4	0.779	2.226E+4	0.184
1.045E+4	0.779	2.226E+4	0.189
1.045E+4	0.783	2.226E+4	0.185
1.045E+4	0.776	2.226E+4	0.197
1.046E+4	0.772	2.226E+4	0.182
1.046E+4	0.776	2.226E+4	0.184
1.046E+4	0.779	2.226E+4	0.179
1.046E+4	0.779	2.226E+4	0.183
1.046E+4	0.779	2.226E+4	0.186
1.046E+4	0.783	2.226E+4	0.182
1.046E+4	0.78	2.227E+4	0.177
1.046E+4	0.774	2.227E+4	0.19
1.046E+4	0.778	2.227E+4	0.181
1.046E+4	0.778	2.227E+4	0.183
1.047E+4	0.776	2.227E+4	0.177
1.047E+4	0.765	2.227E+4	0.183
1.047E+4	0.767	2.227E+4	0.195
1.047E+4	0.783	2.227E+4	0.181
1.047E+4	0.779	2.227E+4	0.185
1.047E+4	0.772	2.227E+4	0.18

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.047E+4	0.769	2.228E+4	0.179
1.047E+4	0.781	2.228E+4	0.188
1.047E+4	0.782	2.228E+4	0.188
1.047E+4	0.779	2.228E+4	0.188
1.048E+4	0.773	2.228E+4	0.179
1.048E+4	0.77	2.228E+4	0.186
1.048E+4	0.778	2.228E+4	0.177
1.048E+4	0.775	2.228E+4	0.183
1.048E+4	0.774	2.228E+4	0.186
1.048E+4	0.774	2.228E+4	0.183
1.048E+4	0.776	2.229E+4	0.188
1.048E+4	0.776	2.229E+4	0.179
1.048E+4	0.778	2.229E+4	0.184
1.048E+4	0.774	2.229E+4	0.183
1.049E+4	0.774	2.229E+4	0.195
1.049E+4	0.783	2.229E+4	0.182
1.049E+4	0.776	2.229E+4	0.185
1.049E+4	0.776	2.229E+4	0.181
1.049E+4	0.771	2.229E+4	0.184
1.049E+4	0.778	2.229E+4	0.19
1.049E+4	0.781	2.23E+4	0.18
1.049E+4	0.77	2.23E+4	0.192
1.049E+4	0.772	2.23E+4	0.189
1.049E+4	0.776	2.23E+4	0.188
1.05E+4	0.77	2.23E+4	0.188
1.05E+4	0.776	2.23E+4	0.192
1.05E+4	0.774	2.23E+4	0.188
1.05E+4	0.778	2.23E+4	0.181
1.05E+4	0.77	2.23E+4	0.183
1.05E+4	0.776	2.23E+4	0.192
1.05E+4	0.776	2.231E+4	0.185
1.05E+4	0.774	2.231E+4	0.172
1.05E+4	0.769	2.231E+4	0.177
1.05E+4	0.774	2.231E+4	0.191
1.051E+4	0.77	2.231E+4	0.186
1.051E+4	0.767	2.231E+4	0.185
1.051E+4	0.758	2.231E+4	0.188
1.051E+4	0.77	2.231E+4	0.18
1.051E+4	0.77	2.231E+4	0.186
1.051E+4	0.767	2.231E+4	0.179
1.051E+4	0.77	2.232E+4	0.181
1.051E+4	0.783	2.232E+4	0.182
1.051E+4	0.77	2.232E+4	0.185
1.051E+4	0.774	2.232E+4	0.181
1.052E+4	0.774	2.232E+4	0.174
1.052E+4	0.778	2.232E+4	0.185
1.052E+4	0.779	2.232E+4	0.184
1.052E+4	0.767	2.232E+4	0.177
1.052E+4	0.762	2.232E+4	0.178
1.052E+4	0.776	2.232E+4	0.188
1.052E+4	0.77	2.233E+4	0.184
1.052E+4	0.763	2.233E+4	0.19
1.052E+4	0.765	2.233E+4	0.183
1.052E+4	0.77	2.233E+4	0.177
1.053E+4	0.774	2.233E+4	0.181

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.053E+4	0.774	2.233E+4	0.176
1.053E+4	0.77	2.233E+4	0.188
1.053E+4	0.774	2.233E+4	0.178
1.053E+4	0.767	2.233E+4	0.195
1.053E+4	0.772	2.233E+4	0.182
1.053E+4	0.767	2.234E+4	0.18
1.053E+4	0.763	2.234E+4	0.183
1.053E+4	0.763	2.234E+4	0.185
1.053E+4	0.772	2.234E+4	0.178
1.054E+4	0.767	2.234E+4	0.183
1.054E+4	0.776	2.234E+4	0.177
1.054E+4	0.778	2.234E+4	0.186
1.054E+4	0.772	2.234E+4	0.198
1.054E+4	0.77	2.234E+4	0.185
1.054E+4	0.777	2.234E+4	0.183
1.054E+4	0.774	2.235E+4	0.181
1.054E+4	0.767	2.235E+4	0.181
1.054E+4	0.779	2.235E+4	0.181
1.054E+4	0.773	2.235E+4	0.181
1.055E+4	0.778	2.235E+4	0.188
1.055E+4	0.769	2.235E+4	0.177
1.055E+4	0.776	2.235E+4	0.184
1.055E+4	0.77	2.235E+4	0.186
1.055E+4	0.763	2.235E+4	0.185
1.055E+4	0.765	2.235E+4	0.179
1.055E+4	0.769	2.236E+4	0.188
1.055E+4	0.759	2.236E+4	0.186
1.055E+4	0.772	2.236E+4	0.197
1.055E+4	0.77	2.236E+4	0.177
1.056E+4	0.765	2.236E+4	0.182
1.056E+4	0.775	2.236E+4	0.177
1.056E+4	0.767	2.236E+4	0.181
1.056E+4	0.77	2.236E+4	0.181
1.056E+4	0.769	2.236E+4	0.178
1.056E+4	0.765	2.236E+4	0.181
1.056E+4	0.765	2.237E+4	0.177
1.056E+4	0.769	2.237E+4	0.16
1.056E+4	0.763	2.237E+4	0.18
1.056E+4	0.765	2.237E+4	0.18
1.057E+4	0.769	2.237E+4	0.179
1.057E+4	0.772	2.237E+4	0.183
1.057E+4	0.771	2.237E+4	0.184
1.057E+4	0.766	2.237E+4	0.182
1.057E+4	0.774	2.237E+4	0.179
1.057E+4	0.77	2.237E+4	0.176
1.057E+4	0.767	2.238E+4	0.177
1.057E+4	0.767	2.238E+4	0.183
1.057E+4	0.769	2.238E+4	0.18
1.057E+4	0.767	2.238E+4	0.181
1.058E+4	0.77	2.238E+4	0.178
1.058E+4	0.774	2.238E+4	0.169
1.058E+4	0.761	2.238E+4	0.183
1.058E+4	0.767	2.238E+4	0.179
1.058E+4	0.769	2.238E+4	0.172
1.058E+4	0.763	2.238E+4	0.179

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.058E+4	0.767	2.239E+4	0.177
1.058E+4	0.767	2.239E+4	0.179
1.058E+4	0.769	2.239E+4	0.176
1.058E+4	0.765	2.239E+4	0.168
1.059E+4	0.759	2.239E+4	0.18
1.059E+4	0.759	2.239E+4	0.177
1.059E+4	0.763	2.239E+4	0.176
1.059E+4	0.763	2.239E+4	0.177
1.059E+4	0.765	2.239E+4	0.183
1.059E+4	0.759	2.239E+4	0.177
1.059E+4	0.761	2.24E+4	0.16
1.059E+4	0.751	2.24E+4	0.18
1.059E+4	0.767	2.24E+4	0.191
1.059E+4	0.767	2.24E+4	0.177
1.06E+4	0.767	2.24E+4	0.177
1.06E+4	0.767	2.24E+4	0.177
1.06E+4	0.763	2.24E+4	0.173
1.06E+4	0.763	2.24E+4	0.174
1.06E+4	0.759	2.24E+4	0.176
1.06E+4	0.771	2.24E+4	0.18
1.06E+4	0.77	2.241E+4	0.179
1.06E+4	0.763	2.241E+4	0.179
1.06E+4	0.77	2.241E+4	0.173
1.06E+4	0.759	2.241E+4	0.182
1.061E+4	0.767	2.241E+4	0.174
1.061E+4	0.769	2.241E+4	0.183
1.061E+4	0.77	2.241E+4	0.185
1.061E+4	0.765	2.241E+4	0.182
1.061E+4	0.769	2.241E+4	0.183
1.061E+4	0.769	2.241E+4	0.178
1.061E+4	0.769	2.242E+4	0.177
1.061E+4	0.767	2.242E+4	0.175
1.061E+4	0.765	2.242E+4	0.188
1.061E+4	0.761	2.242E+4	0.184
1.062E+4	0.77	2.242E+4	0.178
1.062E+4	0.769	2.242E+4	0.185
1.062E+4	0.774	2.242E+4	0.178
1.062E+4	0.765	2.242E+4	0.174
1.062E+4	0.764	2.242E+4	0.179
1.062E+4	0.771	2.242E+4	0.186
1.062E+4	0.765	2.243E+4	0.177
1.062E+4	0.761	2.243E+4	0.178
1.062E+4	0.763	2.243E+4	0.179
1.062E+4	0.759	2.243E+4	0.18
1.063E+4	0.77	2.243E+4	0.182
1.063E+4	0.784	2.243E+4	0.186
1.063E+4	0.77	2.243E+4	0.177
1.063E+4	0.767	2.243E+4	0.188
1.063E+4	0.758	2.243E+4	0.177
1.063E+4	0.77	2.243E+4	0.179
1.063E+4	0.763	2.244E+4	0.182
1.063E+4	0.769	2.244E+4	0.176
1.063E+4	0.767	2.244E+4	0.184
1.063E+4	0.769	2.244E+4	0.177
1.064E+4	0.763	2.244E+4	0.18

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.064E+4	0.772	2.244E+4	0.186
1.064E+4	0.764	2.244E+4	0.182
1.064E+4	0.769	2.244E+4	0.181
1.064E+4	0.758	2.244E+4	0.181
1.064E+4	0.761	2.244E+4	0.177
1.064E+4	0.761	2.245E+4	0.172
1.064E+4	0.753	2.245E+4	0.176
1.064E+4	0.764	2.245E+4	0.176
1.064E+4	0.761	2.245E+4	0.18
1.065E+4	0.759	2.245E+4	0.177
1.065E+4	0.765	2.245E+4	0.179
1.065E+4	0.761	2.245E+4	0.175
1.065E+4	0.765	2.245E+4	0.172
1.065E+4	0.759	2.245E+4	0.168
1.065E+4	0.759	2.245E+4	0.174
1.065E+4	0.761	2.246E+4	0.176
1.065E+4	0.758	2.246E+4	0.172
1.065E+4	0.761	2.246E+4	0.173
1.065E+4	0.767	2.246E+4	0.177
1.066E+4	0.763	2.246E+4	0.179
1.066E+4	0.772	2.246E+4	0.179
1.066E+4	0.763	2.246E+4	0.172
1.066E+4	0.759	2.246E+4	0.177
1.066E+4	0.763	2.246E+4	0.18
1.066E+4	0.77	2.246E+4	0.188
1.066E+4	0.763	2.247E+4	0.177
1.066E+4	0.769	2.247E+4	0.177
1.066E+4	0.763	2.247E+4	0.177
1.066E+4	0.759	2.247E+4	0.183
1.067E+4	0.761	2.247E+4	0.17
1.067E+4	0.759	2.247E+4	0.177
1.067E+4	0.759	2.247E+4	0.182
1.067E+4	0.767	2.247E+4	0.177
1.067E+4	0.754	2.247E+4	0.175
1.067E+4	0.765	2.247E+4	0.18
1.067E+4	0.756	2.248E+4	0.175
1.067E+4	0.765	2.248E+4	0.172
1.067E+4	0.763	2.248E+4	0.176
1.067E+4	0.75	2.248E+4	0.181
1.068E+4	0.761	2.248E+4	0.173
1.068E+4	0.763	2.248E+4	0.177
1.068E+4	0.759	2.248E+4	0.169
1.068E+4	0.759	2.248E+4	0.166
1.068E+4	0.759	2.248E+4	0.176
1.068E+4	0.769	2.248E+4	0.182
1.068E+4	0.761	2.249E+4	0.172
1.068E+4	0.761	2.249E+4	0.178
1.068E+4	0.754	2.249E+4	0.177
1.068E+4	0.769	2.249E+4	0.177
1.069E+4	0.758	2.249E+4	0.176
1.069E+4	0.767	2.249E+4	0.176
1.069E+4	0.765	2.249E+4	0.181
1.069E+4	0.759	2.249E+4	0.186
1.069E+4	0.763	2.249E+4	0.177
1.069E+4	0.763	2.249E+4	0.168

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.069E+4	0.759	2.25E+4	0.177
1.069E+4	0.755	2.25E+4	0.174
1.069E+4	0.763	2.25E+4	0.176
1.069E+4	0.762	2.25E+4	0.166
1.07E+4	0.763	2.25E+4	0.177
1.07E+4	0.769	2.25E+4	0.172
1.07E+4	0.763	2.25E+4	0.175
1.07E+4	0.765	2.25E+4	0.172
1.07E+4	0.761	2.25E+4	0.175
1.07E+4	0.763	2.25E+4	0.168
1.07E+4	0.763	2.251E+4	0.172
1.07E+4	0.765	2.251E+4	0.177
1.07E+4	0.759	2.251E+4	0.172
1.07E+4	0.761	2.251E+4	0.17
1.071E+4	0.761	2.251E+4	0.176
1.071E+4	0.727	2.251E+4	0.174
1.071E+4	0.759	2.251E+4	0.165
1.071E+4	0.758	2.251E+4	0.177
1.071E+4	0.756	2.251E+4	0.17
1.071E+4	0.761	2.251E+4	0.168
1.071E+4	0.758	2.252E+4	0.165
1.071E+4	0.759	2.252E+4	0.173
1.071E+4	0.765	2.252E+4	0.169
1.071E+4	0.765	2.252E+4	0.169
1.072E+4	0.759	2.252E+4	0.172
1.072E+4	0.759	2.252E+4	0.178
1.072E+4	0.749	2.252E+4	0.172
1.072E+4	0.756	2.252E+4	0.181
1.072E+4	0.754	2.252E+4	0.18
1.072E+4	0.763	2.252E+4	0.176
1.072E+4	0.759	2.253E+4	0.176
1.072E+4	0.752	2.253E+4	0.171
1.072E+4	0.761	2.253E+4	0.17
1.072E+4	0.75	2.253E+4	0.17
1.073E+4	0.752	2.253E+4	0.164
1.073E+4	0.753	2.253E+4	0.166
1.073E+4	0.752	2.253E+4	0.164
1.073E+4	0.761	2.253E+4	0.172
1.073E+4	0.756	2.253E+4	0.172
1.073E+4	0.759	2.253E+4	0.168
1.073E+4	0.761	2.254E+4	0.172
1.073E+4	0.756	2.254E+4	0.168
1.073E+4	0.763	2.254E+4	0.177
1.073E+4	0.745	2.254E+4	0.171
1.074E+4	0.756	2.254E+4	0.172
1.074E+4	0.758	2.254E+4	0.166
1.074E+4	0.758	2.254E+4	0.178
1.074E+4	0.752	2.254E+4	0.171
1.074E+4	0.759	2.254E+4	0.177
1.074E+4	0.752	2.254E+4	0.17
1.074E+4	0.752	2.255E+4	0.169
1.074E+4	0.758	2.255E+4	0.161
1.074E+4	0.756	2.255E+4	0.177
1.074E+4	0.754	2.255E+4	0.171
1.075E+4	0.757	2.255E+4	0.17

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.075E+4	0.759	2.255E+4	0.168
1.075E+4	0.758	2.255E+4	0.174
1.075E+4	0.759	2.255E+4	0.176
1.075E+4	0.75	2.255E+4	0.176
1.075E+4	0.75	2.255E+4	0.169
1.075E+4	0.763	2.256E+4	0.174
1.075E+4	0.761	2.256E+4	0.179
1.075E+4	0.747	2.256E+4	0.178
1.075E+4	0.756	2.256E+4	0.165
1.076E+4	0.752	2.256E+4	0.165
1.076E+4	0.75	2.256E+4	0.169
1.076E+4	0.749	2.256E+4	0.166
1.076E+4	0.758	2.256E+4	0.17
1.076E+4	0.756	2.256E+4	0.178
1.076E+4	0.749	2.256E+4	0.175
1.076E+4	0.753	2.257E+4	0.174
1.076E+4	0.752	2.257E+4	0.178
1.076E+4	0.756	2.257E+4	0.17
1.076E+4	0.754	2.257E+4	0.173
1.077E+4	0.744	2.257E+4	0.179
1.077E+4	0.754	2.257E+4	0.177
1.077E+4	0.745	2.257E+4	0.168
1.077E+4	0.758	2.257E+4	0.17
1.077E+4	0.752	2.257E+4	0.172
1.077E+4	0.751	2.257E+4	0.172
1.077E+4	0.761	2.258E+4	0.176
1.077E+4	0.747	2.258E+4	0.165
1.077E+4	0.747	2.258E+4	0.175
1.077E+4	0.751	2.258E+4	0.178
1.078E+4	0.75	2.258E+4	0.173
1.078E+4	0.747	2.258E+4	0.166
1.078E+4	0.758	2.258E+4	0.173
1.078E+4	0.752	2.258E+4	0.168
1.078E+4	0.749	2.258E+4	0.152
1.078E+4	0.75	2.258E+4	0.175
1.078E+4	0.75	2.259E+4	0.173
1.078E+4	0.752	2.259E+4	0.177
1.078E+4	0.756	2.259E+4	0.179
1.078E+4	0.754	2.259E+4	0.175
1.079E+4	0.754	2.259E+4	0.18
1.079E+4	0.763	2.259E+4	0.169
1.079E+4	0.749	2.259E+4	0.174
1.079E+4	0.756	2.259E+4	0.172
1.079E+4	0.751	2.259E+4	0.168
1.079E+4	0.756	2.259E+4	0.168
1.079E+4	0.756	2.26E+4	0.172
1.079E+4	0.752	2.26E+4	0.174
1.079E+4	0.756	2.26E+4	0.176
1.079E+4	0.763	2.26E+4	0.165
1.08E+4	0.756	2.26E+4	0.176
1.08E+4	0.761	2.26E+4	0.18
1.08E+4	0.756	2.26E+4	0.171
1.08E+4	0.759	2.26E+4	0.171
1.08E+4	0.758	2.26E+4	0.173
1.08E+4	0.759	2.26E+4	0.171

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.08E+4	0.761	2.261E+4	0.168
1.08E+4	0.763	2.261E+4	0.164
1.08E+4	0.759	2.261E+4	0.173
1.08E+4	0.758	2.261E+4	0.164
1.081E+4	0.754	2.261E+4	0.175
1.081E+4	0.756	2.261E+4	0.175
1.081E+4	0.752	2.261E+4	0.169
1.081E+4	0.75	2.261E+4	0.176
1.081E+4	0.75	2.261E+4	0.165
1.081E+4	0.756	2.261E+4	0.168
1.081E+4	0.754	2.262E+4	0.161
1.081E+4	0.758	2.262E+4	0.176
1.081E+4	0.755	2.262E+4	0.172
1.081E+4	0.751	2.262E+4	0.169
1.082E+4	0.744	2.262E+4	0.172
1.082E+4	0.758	2.262E+4	0.169
1.082E+4	0.754	2.262E+4	0.164
1.082E+4	0.752	2.262E+4	0.172
1.082E+4	0.754	2.262E+4	0.164
1.082E+4	0.752	2.262E+4	0.168
1.082E+4	0.75	2.263E+4	0.166
1.082E+4	0.758	2.263E+4	0.17
1.082E+4	0.756	2.263E+4	0.172
1.082E+4	0.752	2.263E+4	0.168
1.083E+4	0.756	2.263E+4	0.168
1.083E+4	0.754	2.263E+4	0.172
1.083E+4	0.759	2.263E+4	0.179
1.083E+4	0.751	2.263E+4	0.174
1.083E+4	0.758	2.263E+4	0.172
1.083E+4	0.752	2.263E+4	0.177
1.083E+4	0.748	2.264E+4	0.175
1.083E+4	0.75	2.264E+4	0.172
1.083E+4	0.749	2.264E+4	0.172
1.083E+4	0.756	2.264E+4	0.166
1.084E+4	0.754	2.264E+4	0.17
1.084E+4	0.749	2.264E+4	0.166
1.084E+4	0.752	2.264E+4	0.166
1.084E+4	0.761	2.264E+4	0.17
1.084E+4	0.747	2.264E+4	0.164
1.084E+4	0.752	2.264E+4	0.163
1.084E+4	0.754	2.265E+4	0.172
1.084E+4	0.759	2.265E+4	0.159
1.084E+4	0.743	2.265E+4	0.176
1.084E+4	0.75	2.265E+4	0.162
1.085E+4	0.755	2.265E+4	0.175
1.085E+4	0.75	2.265E+4	0.164
1.085E+4	0.75	2.265E+4	0.166
1.085E+4	0.749	2.265E+4	0.168
1.085E+4	0.754	2.265E+4	0.173
1.085E+4	0.754	2.265E+4	0.166
1.085E+4	0.751	2.266E+4	0.17
1.085E+4	0.75	2.266E+4	0.168
1.085E+4	0.759	2.266E+4	0.168
1.085E+4	0.763	2.266E+4	0.175
1.086E+4	0.751	2.266E+4	0.165

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.086E+4	0.752	2.266E+4	0.175
1.086E+4	0.752	2.266E+4	0.175
1.086E+4	0.758	2.266E+4	0.173
1.086E+4	0.758	2.266E+4	0.168
1.086E+4	0.751	2.266E+4	0.173
1.086E+4	0.761	2.267E+4	0.168
1.086E+4	0.763	2.267E+4	0.177
1.086E+4	0.756	2.267E+4	0.165
1.086E+4	0.754	2.267E+4	0.162
1.087E+4	0.75	2.267E+4	0.171
1.087E+4	0.755	2.267E+4	0.173
1.087E+4	0.748	2.267E+4	0.172
1.087E+4	0.761	2.267E+4	0.166
1.087E+4	0.754	2.267E+4	0.168
1.087E+4	0.75	2.267E+4	0.173
1.087E+4	0.759	2.268E+4	0.172
1.087E+4	0.756	2.268E+4	0.161
1.087E+4	0.758	2.268E+4	0.163
1.087E+4	0.758	2.268E+4	0.163
1.088E+4	0.75	2.268E+4	0.168
1.088E+4	0.752	2.268E+4	0.164
1.088E+4	0.745	2.268E+4	0.174
1.088E+4	0.752	2.268E+4	0.175
1.088E+4	0.753	2.268E+4	0.169
1.088E+4	0.733	2.268E+4	0.16
1.088E+4	0.751	2.269E+4	0.161
1.088E+4	0.749	2.269E+4	0.168
1.088E+4	0.747	2.269E+4	0.171
1.088E+4	0.758	2.269E+4	0.164
1.089E+4	0.743	2.269E+4	0.169
1.089E+4	0.75	2.269E+4	0.172
1.089E+4	0.745	2.269E+4	0.168
1.089E+4	0.754	2.269E+4	0.159
1.089E+4	0.743	2.269E+4	0.162
1.089E+4	0.752	2.269E+4	0.166
1.089E+4	0.741	2.27E+4	0.163
1.089E+4	0.754	2.27E+4	0.162
1.089E+4	0.744	2.27E+4	0.171
1.089E+4	0.749	2.27E+4	0.166
1.09E+4	0.756	2.27E+4	0.164
1.09E+4	0.743	2.27E+4	0.159
1.09E+4	0.754	2.27E+4	0.168
1.09E+4	0.739	2.27E+4	0.17
1.09E+4	0.754	2.27E+4	0.173
1.09E+4	0.749	2.27E+4	0.162
1.09E+4	0.741	2.271E+4	0.164
1.09E+4	0.752	2.271E+4	0.164
1.09E+4	0.752	2.271E+4	0.166
1.09E+4	0.756	2.271E+4	0.164
1.091E+4	0.735	2.271E+4	0.159
1.091E+4	0.747	2.271E+4	0.157
1.091E+4	0.744	2.271E+4	0.158
1.091E+4	0.745	2.271E+4	0.16
1.091E+4	0.754	2.271E+4	0.162
1.091E+4	0.752	2.271E+4	0.161

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.091E+4	0.736	2.272E+4	0.171
1.091E+4	0.752	2.272E+4	0.162
1.091E+4	0.745	2.272E+4	0.161
1.091E+4	0.747	2.272E+4	0.168
1.092E+4	0.758	2.272E+4	0.162
1.092E+4	0.745	2.272E+4	0.166
1.092E+4	0.749	2.272E+4	0.157
1.092E+4	0.755	2.272E+4	0.16
1.092E+4	0.739	2.272E+4	0.156
1.092E+4	0.718	2.272E+4	0.158
1.092E+4	0.743	2.273E+4	0.161
1.092E+4	0.749	2.273E+4	0.169
1.092E+4	0.75	2.273E+4	0.17
1.092E+4	0.754	2.273E+4	0.159
1.093E+4	0.75	2.273E+4	0.166
1.093E+4	0.767	2.273E+4	0.168
1.093E+4	0.75	2.273E+4	0.159
1.093E+4	0.752	2.273E+4	0.171
1.093E+4	0.75	2.273E+4	0.173
1.093E+4	0.754	2.273E+4	0.161
1.093E+4	0.744	2.274E+4	0.172
1.093E+4	0.749	2.274E+4	0.164
1.093E+4	0.752	2.274E+4	0.168
1.093E+4	0.754	2.274E+4	0.166
1.094E+4	0.743	2.274E+4	0.168
1.094E+4	0.754	2.274E+4	0.168
1.094E+4	0.756	2.274E+4	0.164
1.094E+4	0.749	2.274E+4	0.171
1.094E+4	0.743	2.274E+4	0.166
1.094E+4	0.747	2.274E+4	0.157
1.094E+4	0.754	2.275E+4	0.165
1.094E+4	0.749	2.275E+4	0.165
1.094E+4	0.742	2.275E+4	0.159
1.094E+4	0.749	2.275E+4	0.156
1.095E+4	0.739	2.275E+4	0.166
1.095E+4	0.741	2.275E+4	0.157
1.095E+4	0.747	2.275E+4	0.164
1.095E+4	0.749	2.275E+4	0.164
1.095E+4	0.756	2.275E+4	0.159
1.095E+4	0.743	2.275E+4	0.162
1.095E+4	0.741	2.276E+4	0.168
1.095E+4	0.754	2.276E+4	0.171
1.095E+4	0.741	2.276E+4	0.168
1.095E+4	0.749	2.276E+4	0.157
1.096E+4	0.745	2.276E+4	0.168
1.096E+4	0.745	2.276E+4	0.166
1.096E+4	0.741	2.276E+4	0.162
1.096E+4	0.741	2.276E+4	0.163
1.096E+4	0.739	2.276E+4	0.162
1.096E+4	0.745	2.276E+4	0.17
1.096E+4	0.739	2.277E+4	0.162
1.096E+4	0.741	2.277E+4	0.156
1.096E+4	0.743	2.277E+4	0.161
1.096E+4	0.734	2.277E+4	0.157
1.097E+4	0.738	2.277E+4	0.166

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.097E+4	0.739	2.277E+4	0.16
1.097E+4	0.745	2.277E+4	0.162
1.097E+4	0.749	2.277E+4	0.164
1.097E+4	0.763	2.277E+4	0.161
1.097E+4	0.747	2.277E+4	0.162
1.097E+4	0.743	2.278E+4	0.165
1.097E+4	0.745	2.278E+4	0.15
1.097E+4	0.746	2.278E+4	0.159
1.097E+4	0.743	2.278E+4	0.166
1.098E+4	0.741	2.278E+4	0.155
1.098E+4	0.741	2.278E+4	0.162
1.098E+4	0.743	2.278E+4	0.163
1.098E+4	0.749	2.278E+4	0.166
1.098E+4	0.743	2.278E+4	0.163
1.098E+4	0.743	2.278E+4	0.156
1.098E+4	0.745	2.279E+4	0.162
1.098E+4	0.745	2.279E+4	0.156
1.098E+4	0.752	2.279E+4	0.168
1.098E+4	0.752	2.279E+4	0.154
1.099E+4	0.744	2.279E+4	0.16
1.099E+4	0.747	2.279E+4	0.166
1.099E+4	0.743	2.279E+4	0.157
1.099E+4	0.749	2.279E+4	0.163
1.099E+4	0.745	2.279E+4	0.166
1.099E+4	0.741	2.279E+4	0.159
1.099E+4	0.743	2.28E+4	0.158
1.099E+4	0.743	2.28E+4	0.159
1.099E+4	0.741	2.28E+4	0.165
1.099E+4	0.741	2.28E+4	0.162
1.1E+4	0.752	2.28E+4	0.163
1.1E+4	0.741	2.28E+4	0.159
1.1E+4	0.745	2.28E+4	0.171
1.1E+4	0.741	2.28E+4	0.169
1.1E+4	0.743	2.28E+4	0.159
1.1E+4	0.749	2.28E+4	0.165
1.1E+4	0.745	2.281E+4	0.157
1.1E+4	0.741	2.281E+4	0.161
1.1E+4	0.735	2.281E+4	0.161
1.1E+4	0.746	2.281E+4	0.161
1.101E+4	0.745	2.281E+4	0.161
1.101E+4	0.743	2.281E+4	0.159
1.101E+4	0.741	2.281E+4	0.159
1.101E+4	0.743	2.281E+4	0.168
1.101E+4	0.75	2.281E+4	0.153
1.101E+4	0.739	2.281E+4	0.163
1.101E+4	0.743	2.282E+4	0.165
1.101E+4	0.741	2.282E+4	0.157
1.101E+4	0.739	2.282E+4	0.164
1.101E+4	0.739	2.282E+4	0.156
1.102E+4	0.747	2.282E+4	0.176
1.102E+4	0.745	2.282E+4	0.159
1.102E+4	0.743	2.282E+4	0.165
1.102E+4	0.741	2.282E+4	0.161
1.102E+4	0.747	2.282E+4	0.162
1.102E+4	0.739	2.282E+4	0.157

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.102E+4	0.741	2.283E+4	0.151
1.102E+4	0.738	2.283E+4	0.154
1.102E+4	0.738	2.283E+4	0.148
1.102E+4	0.738	2.283E+4	0.166
1.103E+4	0.749	2.283E+4	0.16
1.103E+4	0.745	2.283E+4	0.163
1.103E+4	0.743	2.283E+4	0.152
1.103E+4	0.749	2.283E+4	0.164
1.103E+4	0.736	2.283E+4	0.166
1.103E+4	0.739	2.283E+4	0.16
1.103E+4	0.743	2.284E+4	0.159
1.103E+4	0.74	2.284E+4	0.163
1.103E+4	0.738	2.284E+4	0.159
1.103E+4	0.738	2.284E+4	0.16
1.104E+4	0.736	2.284E+4	0.159
1.104E+4	0.736	2.284E+4	0.158
1.104E+4	0.743	2.284E+4	0.154
1.104E+4	0.741	2.284E+4	0.156
1.104E+4	0.743	2.284E+4	0.158
1.104E+4	0.741	2.284E+4	0.159
1.104E+4	0.739	2.285E+4	0.156
1.104E+4	0.743	2.285E+4	0.162
1.104E+4	0.745	2.285E+4	0.148
1.104E+4	0.743	2.285E+4	0.158
1.105E+4	0.743	2.285E+4	0.153
1.105E+4	0.738	2.285E+4	0.165
1.105E+4	0.745	2.285E+4	0.15
1.105E+4	0.734	2.285E+4	0.152
1.105E+4	0.736	2.285E+4	0.156
1.105E+4	0.738	2.285E+4	0.166
1.105E+4	0.741	2.286E+4	0.161
1.105E+4	0.738	2.286E+4	0.159
1.105E+4	0.734	2.286E+4	0.165
1.105E+4	0.73	2.286E+4	0.158
1.106E+4	0.739	2.286E+4	0.16
1.106E+4	0.75	2.286E+4	0.159
1.106E+4	0.736	2.286E+4	0.154
1.106E+4	0.736	2.286E+4	0.16
1.106E+4	0.739	2.286E+4	0.16
1.106E+4	0.743	2.286E+4	0.163
1.106E+4	0.731	2.287E+4	0.152
1.106E+4	0.744	2.287E+4	0.159
1.106E+4	0.736	2.287E+4	0.157
1.106E+4	0.737	2.287E+4	0.157
1.107E+4	0.737	2.287E+4	0.164
1.107E+4	0.744	2.287E+4	0.168
1.107E+4	0.736	2.287E+4	0.165
1.107E+4	0.739	2.287E+4	0.162
1.107E+4	0.742	2.287E+4	0.161
1.107E+4	0.745	2.287E+4	0.158
1.107E+4	0.739	2.288E+4	0.159
1.107E+4	0.736	2.288E+4	0.158
1.107E+4	0.736	2.288E+4	0.154
1.107E+4	0.734	2.288E+4	0.156
1.108E+4	0.745	2.288E+4	0.163

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.108E+4	0.738	2.288E+4	0.15
1.108E+4	0.744	2.288E+4	0.157
1.108E+4	0.739	2.288E+4	0.165
1.108E+4	0.743	2.288E+4	0.157
1.108E+4	0.738	2.288E+4	0.148
1.108E+4	0.743	2.289E+4	0.157
1.108E+4	0.736	2.289E+4	0.157
1.108E+4	0.745	2.289E+4	0.162
1.108E+4	0.745	2.289E+4	0.162
1.109E+4	0.739	2.289E+4	0.16
1.109E+4	0.743	2.289E+4	0.151
1.109E+4	0.741	2.289E+4	0.159
1.109E+4	0.733	2.289E+4	0.161
1.109E+4	0.743	2.289E+4	0.159
1.109E+4	0.739	2.289E+4	0.158
1.109E+4	0.734	2.29E+4	0.163
1.109E+4	0.738	2.29E+4	0.157
1.109E+4	0.729	2.29E+4	0.16
1.109E+4	0.732	2.29E+4	0.148
1.11E+4	0.738	2.29E+4	0.165
1.11E+4	0.738	2.29E+4	0.158
1.11E+4	0.741	2.29E+4	0.157
1.11E+4	0.743	2.29E+4	0.157
1.11E+4	0.741	2.29E+4	0.154
1.11E+4	0.741	2.29E+4	0.155
1.11E+4	0.747	2.291E+4	0.165
1.11E+4	0.73	2.291E+4	0.151
1.11E+4	0.743	2.291E+4	0.161
1.11E+4	0.736	2.291E+4	0.154
1.111E+4	0.736	2.291E+4	0.148
1.111E+4	0.729	2.291E+4	0.157
1.111E+4	0.739	2.291E+4	0.16
1.111E+4	0.73	2.291E+4	0.151
1.111E+4	0.741	2.291E+4	0.147
1.111E+4	0.734	2.291E+4	0.156
1.111E+4	0.745	2.292E+4	0.159
1.111E+4	0.739	2.292E+4	0.157
1.111E+4	0.741	2.292E+4	0.146
1.111E+4	0.739	2.292E+4	0.159
1.112E+4	0.739	2.292E+4	0.159
1.112E+4	0.741	2.292E+4	0.158
1.112E+4	0.732	2.292E+4	0.165
1.112E+4	0.73	2.292E+4	0.158
1.112E+4	0.732	2.292E+4	0.165
1.112E+4	0.749	2.292E+4	0.16
1.112E+4	0.736	2.293E+4	0.152
1.112E+4	0.732	2.293E+4	0.155
1.112E+4	0.743	2.293E+4	0.157
1.112E+4	0.738	2.293E+4	0.156
1.113E+4	0.73	2.293E+4	0.158
1.113E+4	0.732	2.293E+4	0.161
1.113E+4	0.736	2.293E+4	0.159
1.113E+4	0.738	2.293E+4	0.157
1.113E+4	0.736	2.293E+4	0.163
1.113E+4	0.738	2.293E+4	0.154

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.113E+4	0.736	2.294E+4	0.156
1.113E+4	0.73	2.294E+4	0.161
1.113E+4	0.725	2.294E+4	0.161
1.113E+4	0.734	2.294E+4	0.158
1.114E+4	0.732	2.294E+4	0.159
1.114E+4	0.739	2.294E+4	0.154
1.114E+4	0.734	2.294E+4	0.15
1.114E+4	0.751	2.294E+4	0.152
1.114E+4	0.734	2.294E+4	0.157
1.114E+4	0.743	2.294E+4	0.157
1.114E+4	0.73	2.295E+4	0.152
1.114E+4	0.734	2.295E+4	0.164
1.114E+4	0.719	2.295E+4	0.148
1.114E+4	0.732	2.295E+4	0.147
1.115E+4	0.741	2.295E+4	0.159
1.115E+4	0.727	2.295E+4	0.15
1.115E+4	0.736	2.295E+4	0.152
1.115E+4	0.734	2.295E+4	0.157
1.115E+4	0.728	2.295E+4	0.156
1.115E+4	0.73	2.295E+4	0.157
1.115E+4	0.736	2.296E+4	0.163
1.115E+4	0.721	2.296E+4	0.162
1.115E+4	0.732	2.296E+4	0.16
1.115E+4	0.73	2.296E+4	0.157
1.116E+4	0.736	2.296E+4	0.15
1.116E+4	0.734	2.296E+4	0.159
1.116E+4	0.73	2.296E+4	0.156
1.116E+4	0.735	2.296E+4	0.156
1.116E+4	0.721	2.296E+4	0.153
1.116E+4	0.723	2.296E+4	0.148
1.116E+4	0.732	2.297E+4	0.146
1.116E+4	0.73	2.297E+4	0.165
1.116E+4	0.73	2.297E+4	0.154
1.116E+4	0.734	2.297E+4	0.154
1.117E+4	0.732	2.297E+4	0.159
1.117E+4	0.738	2.297E+4	0.16
1.117E+4	0.734	2.297E+4	0.149
1.117E+4	0.738	2.297E+4	0.155
1.117E+4	0.732	2.297E+4	0.154
1.117E+4	0.732	2.297E+4	0.155
1.117E+4	0.73	2.298E+4	0.154
1.117E+4	0.738	2.298E+4	0.15
1.117E+4	0.727	2.298E+4	0.15
1.117E+4	0.736	2.298E+4	0.149
1.118E+4	0.737	2.298E+4	0.162
1.118E+4	0.732	2.298E+4	0.155
1.118E+4	0.732	2.298E+4	0.155
1.118E+4	0.731	2.298E+4	0.16
1.118E+4	0.732	2.298E+4	0.152
1.118E+4	0.732	2.298E+4	0.158
1.118E+4	0.733	2.299E+4	0.146
1.118E+4	0.727	2.299E+4	0.158
1.118E+4	0.732	2.299E+4	0.158
1.118E+4	0.739	2.299E+4	0.156
1.119E+4	0.723	2.299E+4	0.146

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.119E+4	0.73	2.299E+4	0.162
1.119E+4	0.738	2.299E+4	0.15
1.119E+4	0.727	2.299E+4	0.146
1.119E+4	0.744	2.299E+4	0.151
1.119E+4	0.729	2.299E+4	0.153
1.119E+4	0.732	2.3E+4	0.15
1.119E+4	0.723	2.3E+4	0.161
1.119E+4	0.723	2.3E+4	0.162
1.119E+4	0.727	2.3E+4	0.157
1.12E+4	0.732	2.3E+4	0.157
1.12E+4	0.729	2.3E+4	0.155
1.12E+4	0.727	2.3E+4	0.157
1.12E+4	0.727	2.3E+4	0.157
1.12E+4	0.724	2.3E+4	0.145
1.12E+4	0.73	2.3E+4	0.151
1.12E+4	0.729	2.301E+4	0.153
1.12E+4	0.729	2.301E+4	0.159
1.12E+4	0.736	2.301E+4	0.162
1.12E+4	0.721	2.301E+4	0.165
1.121E+4	0.718	2.301E+4	0.157
1.121E+4	0.732	2.301E+4	0.154
1.121E+4	0.731	2.301E+4	0.165
1.121E+4	0.729	2.301E+4	0.163
1.121E+4	0.732	2.301E+4	0.159
1.121E+4	0.732	2.301E+4	0.163
1.121E+4	0.729	2.302E+4	0.159
1.121E+4	0.732	2.302E+4	0.158
1.121E+4	0.735	2.302E+4	0.162
1.121E+4	0.73	2.302E+4	0.162
1.122E+4	0.727	2.302E+4	0.155
1.122E+4	0.732	2.302E+4	0.157
1.122E+4	0.73	2.302E+4	0.149
1.122E+4	0.729	2.302E+4	0.152
1.122E+4	0.736	2.302E+4	0.161
1.122E+4	0.725	2.302E+4	0.16
1.122E+4	0.723	2.303E+4	0.156
1.122E+4	0.734	2.303E+4	0.159
1.122E+4	0.73	2.303E+4	0.165
1.122E+4	0.729	2.303E+4	0.162
1.123E+4	0.725	2.303E+4	0.158
1.123E+4	0.729	2.303E+4	0.155
1.123E+4	0.732	2.303E+4	0.166
1.123E+4	0.732	2.303E+4	0.156
1.123E+4	0.739	2.303E+4	0.157
1.123E+4	0.727	2.303E+4	0.165
1.123E+4	0.729	2.304E+4	0.161
1.123E+4	0.73	2.304E+4	0.158
1.123E+4	0.727	2.304E+4	0.159
1.123E+4	0.727	2.304E+4	0.16
1.124E+4	0.732	2.304E+4	0.157
1.124E+4	0.736	2.304E+4	0.162
1.124E+4	0.739	2.304E+4	0.164
1.124E+4	0.729	2.304E+4	0.155
1.124E+4	0.729	2.304E+4	0.165
1.124E+4	0.729	2.304E+4	0.166

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.124E+4	0.725	2.305E+4	0.157
1.124E+4	0.73	2.305E+4	0.161
1.124E+4	0.723	2.305E+4	0.166
1.124E+4	0.73	2.305E+4	0.159
1.125E+4	0.729	2.305E+4	0.156
1.125E+4	0.723	2.305E+4	0.165
1.125E+4	0.727	2.305E+4	0.156
1.125E+4	0.725	2.305E+4	0.169
1.125E+4	0.724	2.305E+4	0.154
1.125E+4	0.725	2.305E+4	0.175
1.125E+4	0.733	2.306E+4	0.164
1.125E+4	0.732	2.306E+4	0.163
1.125E+4	0.729	2.306E+4	0.162
1.125E+4	0.719	2.306E+4	0.156
1.126E+4	0.725	2.306E+4	0.158
1.126E+4	0.722	2.306E+4	0.154
1.126E+4	0.735	2.306E+4	0.162
1.126E+4	0.729	2.306E+4	0.16
1.126E+4	0.718	2.306E+4	0.157
1.126E+4	0.721	2.306E+4	0.157
1.126E+4	0.726	2.307E+4	0.157
1.126E+4	0.725	2.307E+4	0.154
1.126E+4	0.723	2.307E+4	0.154
1.126E+4	0.724	2.307E+4	0.15
1.127E+4	0.721	2.307E+4	0.157
1.127E+4	0.725	2.307E+4	0.156
1.127E+4	0.721	2.307E+4	0.156
1.127E+4	0.724	2.307E+4	0.157
1.127E+4	0.722	2.307E+4	0.154
1.127E+4	0.73	2.307E+4	0.163
1.127E+4	0.719	2.308E+4	0.148
1.127E+4	0.735	2.308E+4	0.151
1.127E+4	0.721	2.308E+4	0.165
1.127E+4	0.724	2.308E+4	0.15
1.128E+4	0.73	2.308E+4	0.159
1.128E+4	0.723	2.308E+4	0.157
1.128E+4	0.725	2.308E+4	0.156
1.128E+4	0.719	2.308E+4	0.152
1.128E+4	0.721	2.308E+4	0.159
1.128E+4	0.729	2.308E+4	0.161
1.128E+4	0.718	2.309E+4	0.145
1.128E+4	0.722	2.309E+4	0.152
1.128E+4	0.73	2.309E+4	0.165
1.128E+4	0.725	2.309E+4	0.157
1.129E+4	0.71	2.309E+4	0.161
1.129E+4	0.721	2.309E+4	0.135
1.129E+4	0.718	2.309E+4	0.148
1.129E+4	0.714	2.309E+4	0.152
1.129E+4	0.728	2.309E+4	0.165
1.129E+4	0.725	2.309E+4	0.156
1.129E+4	0.729	2.31E+4	0.156
1.129E+4	0.723	2.31E+4	0.152
1.129E+4	0.714	2.31E+4	0.161
1.129E+4	0.729	2.31E+4	0.152
1.13E+4	0.719	2.31E+4	0.156

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.13E+4	0.721	2.31E+4	0.156
1.13E+4	0.717	2.31E+4	0.158
1.13E+4	0.723	2.31E+4	0.156
1.13E+4	0.727	2.31E+4	0.153
1.13E+4	0.721	2.31E+4	0.166
1.13E+4	0.719	2.311E+4	0.149
1.13E+4	0.725	2.311E+4	0.158
1.13E+4	0.723	2.311E+4	0.159
1.13E+4	0.727	2.311E+4	0.154
1.131E+4	0.719	2.311E+4	0.154
1.131E+4	0.728	2.311E+4	0.146
1.131E+4	0.725	2.311E+4	0.166
1.131E+4	0.723	2.311E+4	0.163
1.131E+4	0.721	2.311E+4	0.156
1.131E+4	0.727	2.311E+4	0.155
1.131E+4	0.721	2.312E+4	0.162
1.131E+4	0.723	2.312E+4	0.152
1.131E+4	0.73	2.312E+4	0.158
1.131E+4	0.718	2.312E+4	0.152
1.132E+4	0.723	2.312E+4	0.163
1.132E+4	0.723	2.312E+4	0.161
1.132E+4	0.718	2.312E+4	0.157
1.132E+4	0.719	2.312E+4	0.161
1.132E+4	0.725	2.312E+4	0.156
1.132E+4	0.721	2.312E+4	0.154
1.132E+4	0.723	2.313E+4	0.164
1.132E+4	0.729	2.313E+4	0.158
1.132E+4	0.719	2.313E+4	0.161
1.132E+4	0.719	2.313E+4	0.163
1.133E+4	0.723	2.313E+4	0.159
1.133E+4	0.721	2.313E+4	0.15
1.133E+4	0.73	2.313E+4	0.153
1.133E+4	0.73	2.313E+4	0.147
1.133E+4	0.725	2.313E+4	0.135
1.133E+4	0.712	2.313E+4	0.163
1.133E+4	0.73	2.314E+4	0.157
1.133E+4	0.718	2.314E+4	0.163
1.133E+4	0.725	2.314E+4	0.156
1.133E+4	0.716	2.314E+4	0.157
1.134E+4	0.729	2.314E+4	0.157
1.134E+4	0.729	2.314E+4	0.15
1.134E+4	0.725	2.314E+4	0.169
1.134E+4	0.71	2.314E+4	0.157
1.134E+4	0.727	2.314E+4	0.152
1.134E+4	0.716	2.314E+4	0.16
1.134E+4	0.721	2.315E+4	0.166
1.134E+4	0.719	2.315E+4	0.152
1.134E+4	0.718	2.315E+4	0.155
1.134E+4	0.716	2.315E+4	0.148
1.135E+4	0.714	2.315E+4	0.15
1.135E+4	0.719	2.315E+4	0.16
1.135E+4	0.721	2.315E+4	0.149
1.135E+4	0.727	2.315E+4	0.156
1.135E+4	0.723	2.315E+4	0.153
1.135E+4	0.719	2.315E+4	0.163

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.135E+4	0.713	2.316E+4	0.152
1.135E+4	0.721	2.316E+4	0.162
1.135E+4	0.712	2.316E+4	0.163
1.135E+4	0.714	2.316E+4	0.164
1.136E+4	0.715	2.316E+4	0.153
1.136E+4	0.721	2.316E+4	0.156
1.136E+4	0.721	2.316E+4	0.164
1.136E+4	0.723	2.316E+4	0.156
1.136E+4	0.72	2.316E+4	0.152
1.136E+4	0.713	2.316E+4	0.155
1.136E+4	0.716	2.317E+4	0.152
1.136E+4	0.718	2.317E+4	0.16
1.136E+4	0.714	2.317E+4	0.158
1.136E+4	0.71	2.317E+4	0.157
1.137E+4	0.714	2.317E+4	0.146
1.137E+4	0.707	2.317E+4	0.161
1.137E+4	0.723	2.317E+4	0.154
1.137E+4	0.718	2.317E+4	0.149
1.137E+4	0.714	2.317E+4	0.153
1.137E+4	0.719	2.317E+4	0.147
1.137E+4	0.716	2.318E+4	0.156
1.137E+4	0.721	2.318E+4	0.157
1.137E+4	0.717	2.318E+4	0.156
1.137E+4	0.721	2.318E+4	0.149
1.138E+4	0.719	2.318E+4	0.129
1.138E+4	0.712	2.318E+4	0.157
1.138E+4	0.717	2.318E+4	0.161
1.138E+4	0.717	2.318E+4	0.154
1.138E+4	0.718	2.318E+4	0.157
1.138E+4	0.718	2.318E+4	0.153
1.138E+4	0.712	2.319E+4	0.155
1.138E+4	0.714	2.319E+4	0.162
1.138E+4	0.717	2.319E+4	0.156
1.138E+4	0.718	2.319E+4	0.153
1.139E+4	0.716	2.319E+4	0.146
1.139E+4	0.719	2.319E+4	0.153
1.139E+4	0.717	2.319E+4	0.151
1.139E+4	0.716	2.319E+4	0.148
1.139E+4	0.723	2.319E+4	0.157
1.139E+4	0.719	2.319E+4	0.157
1.139E+4	0.725	2.32E+4	0.154
1.139E+4	0.721	2.32E+4	0.156
1.139E+4	0.729	2.32E+4	0.153
1.139E+4	0.71	2.32E+4	0.151
1.14E+4	0.716	2.32E+4	0.148
1.14E+4	0.718	2.32E+4	0.159
1.14E+4	0.716	2.32E+4	0.153
1.14E+4	0.716	2.32E+4	0.16
1.14E+4	0.716	2.32E+4	0.162
1.14E+4	0.721	2.32E+4	0.148
1.14E+4	0.714	2.321E+4	0.164
1.14E+4	0.721	2.321E+4	0.154
1.14E+4	0.714	2.321E+4	0.16
1.14E+4	0.715	2.321E+4	0.157
1.141E+4	0.71	2.321E+4	0.159

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.141E+4	0.719	2.321E+4	0.152
1.141E+4	0.718	2.321E+4	0.154
1.141E+4	0.725	2.321E+4	0.153
1.141E+4	0.729	2.321E+4	0.159
1.141E+4	0.725	2.321E+4	0.152
1.141E+4	0.71	2.322E+4	0.153
1.141E+4	0.712	2.322E+4	0.154
1.141E+4	0.714	2.322E+4	0.15
1.141E+4	0.714	2.322E+4	0.154
1.142E+4	0.727	2.322E+4	0.158
1.142E+4	0.709	2.322E+4	0.153
1.142E+4	0.71	2.322E+4	0.153
1.142E+4	0.721	2.322E+4	0.156
1.142E+4	0.718	2.322E+4	0.151
1.142E+4	0.716	2.322E+4	0.163
1.142E+4	0.721	2.323E+4	0.155
1.142E+4	0.719	2.323E+4	0.156
1.142E+4	0.71	2.323E+4	0.145
1.142E+4	0.712	2.323E+4	0.156
1.143E+4	0.721	2.323E+4	0.154
1.143E+4	0.719	2.323E+4	0.164
1.143E+4	0.717	2.323E+4	0.148
1.143E+4	0.709	2.323E+4	0.15
1.143E+4	0.721	2.323E+4	0.149
1.143E+4	0.712	2.323E+4	0.154
1.143E+4	0.714	2.324E+4	0.157
1.143E+4	0.712	2.324E+4	0.146
1.143E+4	0.723	2.324E+4	0.159
1.143E+4	0.716	2.324E+4	0.16
1.144E+4	0.712	2.324E+4	0.152
1.144E+4	0.719	2.324E+4	0.155
1.144E+4	0.723	2.324E+4	0.15
1.144E+4	0.716	2.324E+4	0.15
1.144E+4	0.707	2.324E+4	0.15
1.144E+4	0.721	2.324E+4	0.151
1.144E+4	0.718	2.325E+4	0.154
1.144E+4	0.712	2.325E+4	0.146
1.144E+4	0.714	2.325E+4	0.151
1.144E+4	0.719	2.325E+4	0.154
1.145E+4	0.711	2.325E+4	0.157
1.145E+4	0.721	2.325E+4	0.156
1.145E+4	0.71	2.325E+4	0.148
1.145E+4	0.716	2.325E+4	0.155
1.145E+4	0.718	2.325E+4	0.159
1.145E+4	0.718	2.325E+4	0.149
1.145E+4	0.723	2.326E+4	0.15
1.145E+4	0.719	2.326E+4	0.155
1.145E+4	0.707	2.326E+4	0.16
1.145E+4	0.712	2.326E+4	0.159
1.146E+4	0.714	2.326E+4	0.157
1.146E+4	0.719	2.326E+4	0.155
1.146E+4	0.716	2.326E+4	0.157
1.146E+4	0.727	2.326E+4	0.157
1.146E+4	0.709	2.326E+4	0.145
1.146E+4	0.718	2.326E+4	0.157

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.146E+4	0.712	2.327E+4	0.154
1.146E+4	0.715	2.327E+4	0.158
1.146E+4	0.712	2.327E+4	0.146
1.146E+4	0.719	2.327E+4	0.157
1.147E+4	0.712	2.327E+4	0.156
1.147E+4	0.717	2.327E+4	0.152
1.147E+4	0.718	2.327E+4	0.151
1.147E+4	0.718	2.327E+4	0.152
1.147E+4	0.718	2.327E+4	0.151
1.147E+4	0.719	2.327E+4	0.147
1.147E+4	0.712	2.328E+4	0.155
1.147E+4	0.719	2.328E+4	0.154
1.147E+4	0.71	2.328E+4	0.155
1.147E+4	0.716	2.328E+4	0.15
1.148E+4	0.716	2.328E+4	0.155
1.148E+4	0.712	2.328E+4	0.153
1.148E+4	0.716	2.328E+4	0.153
1.148E+4	0.714	2.328E+4	0.155
1.148E+4	0.718	2.328E+4	0.158
1.148E+4	0.719	2.328E+4	0.148
1.148E+4	0.719	2.329E+4	0.152
1.148E+4	0.712	2.329E+4	0.155
1.148E+4	0.712	2.329E+4	0.15
1.148E+4	0.703	2.329E+4	0.15
1.149E+4	0.692	2.329E+4	0.159
1.149E+4	0.716	2.329E+4	0.153
1.149E+4	0.718	2.329E+4	0.15
1.149E+4	0.711	2.329E+4	0.14
1.149E+4	0.724	2.329E+4	0.157
1.149E+4	0.721	2.329E+4	0.158
1.149E+4	0.718	2.33E+4	0.152
1.149E+4	0.713	2.33E+4	0.146
1.149E+4	0.716	2.33E+4	0.154
1.149E+4	0.718	2.33E+4	0.158
1.15E+4	0.711	2.33E+4	0.155
1.15E+4	0.707	2.33E+4	0.151
1.15E+4	0.718	2.33E+4	0.156
1.15E+4	0.713	2.33E+4	0.154
1.15E+4	0.717	2.33E+4	0.157
1.15E+4	0.714	2.33E+4	0.157
1.15E+4	0.718	2.331E+4	0.161
1.15E+4	0.718	2.331E+4	0.154
1.15E+4	0.712	2.331E+4	0.137
1.15E+4	0.716	2.331E+4	0.156
1.151E+4	0.718	2.331E+4	0.16
1.151E+4	0.719	2.331E+4	0.158
1.151E+4	0.71	2.331E+4	0.155
1.151E+4	0.723	2.331E+4	0.16
1.151E+4	0.709	2.331E+4	0.147
1.151E+4	0.723	2.331E+4	0.15
1.151E+4	0.712	2.332E+4	0.15
1.151E+4	0.712	2.332E+4	0.146
1.151E+4	0.71	2.332E+4	0.149
1.151E+4	0.71	2.332E+4	0.157
1.152E+4	0.709	2.332E+4	0.151

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.152E+4	0.709	2.332E+4	0.146
1.152E+4	0.709	2.332E+4	0.145
1.152E+4	0.71	2.332E+4	0.152
1.152E+4	0.712	2.332E+4	0.146
1.152E+4	0.707	2.332E+4	0.155
1.152E+4	0.712	2.333E+4	0.152
1.152E+4	0.709	2.333E+4	0.143
1.152E+4	0.712	2.333E+4	0.151
1.152E+4	0.713	2.333E+4	0.148
1.153E+4	0.716	2.333E+4	0.15
1.153E+4	0.707	2.333E+4	0.151
1.153E+4	0.709	2.333E+4	0.147
1.153E+4	0.716	2.333E+4	0.146
1.153E+4	0.709	2.333E+4	0.147
1.153E+4	0.717	2.333E+4	0.153
1.153E+4	0.721	2.334E+4	0.152
1.153E+4	0.714	2.334E+4	0.145
1.153E+4	0.714	2.334E+4	0.156
1.153E+4	0.719	2.334E+4	0.154
1.154E+4	0.71	2.334E+4	0.151
1.154E+4	0.712	2.334E+4	0.154
1.154E+4	0.709	2.334E+4	0.145
1.154E+4	0.705	2.334E+4	0.15
1.154E+4	0.707	2.334E+4	0.157
1.154E+4	0.712	2.334E+4	0.155
1.154E+4	0.712	2.335E+4	0.154
1.154E+4	0.716	2.335E+4	0.15
1.154E+4	0.707	2.335E+4	0.148
1.154E+4	0.71	2.335E+4	0.146
1.155E+4	0.71	2.335E+4	0.158
1.155E+4	0.707	2.335E+4	0.149
1.155E+4	0.705	2.335E+4	0.153
1.155E+4	0.71	2.335E+4	0.149
1.155E+4	0.716	2.335E+4	0.149
1.155E+4	0.71	2.335E+4	0.146
1.155E+4	0.707	2.336E+4	0.156
1.155E+4	0.71	2.336E+4	0.14
1.155E+4	0.705	2.336E+4	0.15
1.155E+4	0.709	2.336E+4	0.151
1.156E+4	0.703	2.336E+4	0.153
1.156E+4	0.711	2.336E+4	0.146
1.156E+4	0.705	2.336E+4	0.145
1.156E+4	0.71	2.336E+4	0.152
1.156E+4	0.714	2.336E+4	0.159
1.156E+4	0.705	2.336E+4	0.157
1.156E+4	0.709	2.337E+4	0.146
1.156E+4	0.707	2.337E+4	0.146
1.156E+4	0.709	2.337E+4	0.146
1.156E+4	0.709	2.337E+4	0.155
1.157E+4	0.712	2.337E+4	0.145
1.157E+4	0.705	2.337E+4	0.148
1.157E+4	0.709	2.337E+4	0.148
1.157E+4	0.707	2.337E+4	0.152
1.157E+4	0.709	2.337E+4	0.147
1.157E+4	0.711	2.337E+4	0.148

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.157E+4	0.701	2.338E+4	0.151
1.157E+4	0.707	2.338E+4	0.157
1.157E+4	0.71	2.338E+4	0.149
1.157E+4	0.707	2.338E+4	0.148
1.158E+4	0.708	2.338E+4	0.15
1.158E+4	0.705	2.338E+4	0.153
1.158E+4	0.71	2.338E+4	0.144
1.158E+4	0.707	2.338E+4	0.146
1.158E+4	0.705	2.338E+4	0.148
1.158E+4	0.71	2.338E+4	0.139
1.158E+4	0.707	2.339E+4	0.148
1.158E+4	0.709	2.339E+4	0.158
1.158E+4	0.714	2.339E+4	0.143
1.158E+4	0.714	2.339E+4	0.145
1.159E+4	0.71	2.339E+4	0.144
1.159E+4	0.696	2.339E+4	0.153
1.159E+4	0.701	2.339E+4	0.142
1.159E+4	0.703	2.339E+4	0.15
1.159E+4	0.707	2.339E+4	0.146
1.159E+4	0.709	2.339E+4	0.144
1.159E+4	0.703	2.34E+4	0.157
1.159E+4	0.701	2.34E+4	0.145
1.159E+4	0.705	2.34E+4	0.149
1.159E+4	0.709	2.34E+4	0.146
1.16E+4	0.706	2.34E+4	0.153
1.16E+4	0.71	2.34E+4	0.151
1.16E+4	0.712	2.34E+4	0.146
1.16E+4	0.703	2.34E+4	0.141
1.16E+4	0.709	2.34E+4	0.155
1.16E+4	0.705	2.34E+4	0.148
1.16E+4	0.701	2.341E+4	0.155
1.16E+4	0.709	2.341E+4	0.146
1.16E+4	0.709	2.341E+4	0.147
1.16E+4	0.705	2.341E+4	0.139
1.161E+4	0.707	2.341E+4	0.145
1.161E+4	0.701	2.341E+4	0.148
1.161E+4	0.707	2.341E+4	0.146
1.161E+4	0.703	2.341E+4	0.153
1.161E+4	0.707	2.341E+4	0.147
1.161E+4	0.709	2.341E+4	0.15
1.161E+4	0.701	2.342E+4	0.149
1.161E+4	0.696	2.342E+4	0.151
1.161E+4	0.701	2.342E+4	0.154
1.161E+4	0.703	2.342E+4	0.152
1.162E+4	0.701	2.342E+4	0.143
1.162E+4	0.714	2.342E+4	0.152
1.162E+4	0.702	2.342E+4	0.145
1.162E+4	0.699	2.342E+4	0.152
1.162E+4	0.703	2.342E+4	0.15
1.162E+4	0.701	2.342E+4	0.146
1.162E+4	0.704	2.343E+4	0.151
1.162E+4	0.703	2.343E+4	0.152
1.162E+4	0.709	2.343E+4	0.15
1.162E+4	0.71	2.343E+4	0.151
1.163E+4	0.695	2.343E+4	0.146

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.163E+4	0.705	2.343E+4	0.15
1.163E+4	0.707	2.343E+4	0.15
1.163E+4	0.709	2.343E+4	0.15
1.163E+4	0.707	2.343E+4	0.16
1.163E+4	0.699	2.343E+4	0.147
1.163E+4	0.711	2.344E+4	0.144
1.163E+4	0.705	2.344E+4	0.155
1.163E+4	0.703	2.344E+4	0.146
1.163E+4	0.705	2.344E+4	0.145
1.164E+4	0.709	2.344E+4	0.145
1.164E+4	0.698	2.344E+4	0.154
1.164E+4	0.702	2.344E+4	0.152
1.164E+4	0.706	2.344E+4	0.141
1.164E+4	0.698	2.344E+4	0.151
1.164E+4	0.703	2.344E+4	0.151
1.164E+4	0.707	2.345E+4	0.148
1.164E+4	0.703	2.345E+4	0.144
1.164E+4	0.707	2.345E+4	0.146
1.164E+4	0.698	2.345E+4	0.148
1.165E+4	0.701	2.345E+4	0.15
1.165E+4	0.707	2.345E+4	0.15
1.165E+4	0.71	2.345E+4	0.14
1.165E+4	0.716	2.345E+4	0.152
1.165E+4	0.703	2.345E+4	0.148
1.165E+4	0.708	2.345E+4	0.141
1.165E+4	0.707	2.346E+4	0.147
1.165E+4	0.701	2.346E+4	0.135
1.165E+4	0.707	2.346E+4	0.15
1.165E+4	0.707	2.346E+4	0.145
1.166E+4	0.703	2.346E+4	0.15
1.166E+4	0.703	2.346E+4	0.15
1.166E+4	0.705	2.346E+4	0.146
1.166E+4	0.705	2.346E+4	0.146
1.166E+4	0.698	2.346E+4	0.144
1.166E+4	0.678	2.346E+4	0.149
1.166E+4	0.703	2.347E+4	0.142
1.166E+4	0.701	2.347E+4	0.143
1.166E+4	0.703	2.347E+4	0.142
1.166E+4	0.705	2.347E+4	0.149
1.167E+4	0.705	2.347E+4	0.157
1.167E+4	0.709	2.347E+4	0.141
1.167E+4	0.703	2.347E+4	0.148
1.167E+4	0.698	2.347E+4	0.148
1.167E+4	0.697	2.347E+4	0.135
1.167E+4	0.703	2.347E+4	0.145
1.167E+4	0.703	2.348E+4	0.141
1.167E+4	0.713	2.348E+4	0.142
1.167E+4	0.686	2.348E+4	0.145
1.167E+4	0.699	2.348E+4	0.148
1.168E+4	0.698	2.348E+4	0.156
1.168E+4	0.699	2.348E+4	0.146
1.168E+4	0.709	2.348E+4	0.145
1.168E+4	0.707	2.348E+4	0.14
1.168E+4	0.709	2.348E+4	0.146
1.168E+4	0.701	2.348E+4	0.148

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.168E+4	0.705	2.349E+4	0.135
1.168E+4	0.705	2.349E+4	0.147
1.168E+4	0.703	2.349E+4	0.141
1.168E+4	0.701	2.349E+4	0.145
1.169E+4	0.699	2.349E+4	0.134
1.169E+4	0.698	2.349E+4	0.137
1.169E+4	0.703	2.349E+4	0.146
1.169E+4	0.705	2.349E+4	0.144
1.169E+4	0.71	2.349E+4	0.137
1.169E+4	0.705	2.349E+4	0.142
1.169E+4	0.699	2.35E+4	0.139
1.169E+4	0.703	2.35E+4	0.149
1.169E+4	0.699	2.35E+4	0.144
1.169E+4	0.699	2.35E+4	0.126
1.17E+4	0.707	2.35E+4	0.144
1.17E+4	0.703	2.35E+4	0.137
1.17E+4	0.699	2.35E+4	0.141
1.17E+4	0.704	2.35E+4	0.145
1.17E+4	0.709	2.35E+4	0.138
1.17E+4	0.699	2.35E+4	0.146
1.17E+4	0.698	2.351E+4	0.144
1.17E+4	0.692	2.351E+4	0.139
1.17E+4	0.685	2.351E+4	0.143
1.17E+4	0.702	2.351E+4	0.144
1.171E+4	0.703	2.351E+4	0.138
1.171E+4	0.703	2.351E+4	0.133
1.171E+4	0.705	2.351E+4	0.138
1.171E+4	0.703	2.351E+4	0.133
1.171E+4	0.705	2.351E+4	0.137
1.171E+4	0.705	2.351E+4	0.15
1.171E+4	0.699	2.352E+4	0.134
1.171E+4	0.699	2.352E+4	0.142
1.171E+4	0.709	2.352E+4	0.142
1.171E+4	0.709	2.352E+4	0.146
1.172E+4	0.705	2.352E+4	0.146
1.172E+4	0.69	2.352E+4	0.145
1.172E+4	0.705	2.352E+4	0.144
1.172E+4	0.701	2.352E+4	0.141
1.172E+4	0.699	2.352E+4	0.137
1.172E+4	0.707	2.352E+4	0.143
1.172E+4	0.689	2.353E+4	0.14
1.172E+4	0.696	2.353E+4	0.144
1.172E+4	0.696	2.353E+4	0.139
1.172E+4	0.698	2.353E+4	0.144
1.173E+4	0.705	2.353E+4	0.142
1.173E+4	0.703	2.353E+4	0.128
1.173E+4	0.696	2.353E+4	0.142
1.173E+4	0.701	2.353E+4	0.135
1.173E+4	0.698	2.353E+4	0.15
1.173E+4	0.69	2.353E+4	0.142
1.173E+4	0.698	2.354E+4	0.147
1.173E+4	0.696	2.354E+4	0.147
1.173E+4	0.708	2.354E+4	0.137
1.173E+4	0.703	2.354E+4	0.133
1.174E+4	0.699	2.354E+4	0.146

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.174E+4	0.696	2.354E+4	0.137
1.174E+4	0.714	2.354E+4	0.139
1.174E+4	0.699	2.354E+4	0.143
1.174E+4	0.699	2.354E+4	0.137
1.174E+4	0.699	2.354E+4	0.142
1.174E+4	0.699	2.355E+4	0.148
1.174E+4	0.694	2.355E+4	0.135
1.174E+4	0.698	2.355E+4	0.142
1.174E+4	0.698	2.355E+4	0.131
1.175E+4	0.692	2.355E+4	0.146
1.175E+4	0.696	2.355E+4	0.137
1.175E+4	0.695	2.355E+4	0.139
1.175E+4	0.696	2.355E+4	0.135
1.175E+4	0.699	2.355E+4	0.139
1.175E+4	0.696	2.355E+4	0.135
1.175E+4	0.698	2.356E+4	0.145
1.175E+4	0.698	2.356E+4	0.137
1.175E+4	0.687	2.356E+4	0.146
1.175E+4	0.694	2.356E+4	0.135
1.176E+4	0.69	2.356E+4	0.143
1.176E+4	0.663	2.356E+4	0.14
1.176E+4	0.699	2.356E+4	0.134
1.176E+4	0.694	2.356E+4	0.138
1.176E+4	0.694	2.356E+4	0.141
1.176E+4	0.701	2.356E+4	0.138
1.176E+4	0.705	2.357E+4	0.141
1.176E+4	0.69	2.357E+4	0.131
1.176E+4	0.707	2.357E+4	0.139
1.176E+4	0.696	2.357E+4	0.132
1.177E+4	0.699	2.357E+4	0.139
1.177E+4	0.694	2.357E+4	0.132
1.177E+4	0.693	2.357E+4	0.129
1.177E+4	0.698	2.357E+4	0.135
1.177E+4	0.694	2.357E+4	0.144
1.177E+4	0.701	2.357E+4	0.133
1.177E+4	0.689	2.358E+4	0.126
1.177E+4	0.685	2.358E+4	0.134
1.177E+4	0.699	2.358E+4	0.134
1.177E+4	0.705	2.358E+4	0.141
1.178E+4	0.687	2.358E+4	0.141
1.178E+4	0.696	2.358E+4	0.137
1.178E+4	0.69	2.358E+4	0.134
1.178E+4	0.695	2.358E+4	0.142
1.178E+4	0.694	2.358E+4	0.142
1.178E+4	0.699	2.358E+4	0.133
1.178E+4	0.698	2.359E+4	0.135
1.178E+4	0.689	2.359E+4	0.129
1.178E+4	0.699	2.359E+4	0.135
1.178E+4	0.689	2.359E+4	0.135
1.179E+4	0.705	2.359E+4	0.138
1.179E+4	0.696	2.359E+4	0.139
1.179E+4	0.703	2.359E+4	0.134
1.179E+4	0.694	2.359E+4	0.115
1.179E+4	0.698	2.359E+4	0.132
1.179E+4	0.698	2.359E+4	0.142

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.179E+4	0.693	2.36E+4	0.138
1.179E+4	0.696	2.36E+4	0.137
1.179E+4	0.701	2.36E+4	0.135
1.179E+4	0.699	2.36E+4	0.127
1.18E+4	0.701	2.36E+4	0.142
1.18E+4	0.692	2.36E+4	0.137
1.18E+4	0.695	2.36E+4	0.146
1.18E+4	0.698	2.36E+4	0.139
1.18E+4	0.694	2.36E+4	0.137
1.18E+4	0.687	2.36E+4	0.135
1.18E+4	0.687	2.361E+4	0.133
1.18E+4	0.699	2.361E+4	0.132
1.18E+4	0.685	2.361E+4	0.143
1.18E+4	0.701		

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: Butler
Log Factor: 0.1887

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	8.829E-6	cm/sec
Le	0.1	ft

T = K*b = 0.001345 cm²/sec
Le = 0.1 ft
Solution is critically damped when C(D) = 1.

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	8.829E-6	2.619E-6	+/- 5.132E-6	3.372	cm/sec
Le	0.1	262.4	+/- 514.4	0.0003811	ft

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.001346 cm²/sec
Le = 0.1 ft
Solution is critically damped when C(D) = 1.

Parameter Correlations

	K	Le
K	1.00	1.00
Le	1.00	1.00

Residual Statistics

for weighted residuals

Sum of Squares. . . 61.35 ft^2
Variance . . . . . 0.002599 ft^2
Std. Deviation . . . . . 0.05098 ft
Mean . . . . . -0.007558 ft
No. of Residuals . . 23607
No. of Estimates . . 2

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analyses
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matching.
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve fit.
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 23607
Range of time readings in obs. well(s): 1 to 23607 sec
Range of displacement readings in obs. well(s): 0.115 to 1.643 ft

Data Set: C:\Users\aevans\Desktop\gINT - Remote\Muskogee LF\Slug Test Reports\PWCG-6\PWCG-6.aqt
Date: 04/27/23
Time: 18:57:00

PROJECT INFORMATION

Company: Weaver Consultants Group LLC
Client: Muskogee RDF
Location: Muskogee, OK
Test Date: 11/17/22
Test Well: PWCG-6

AQUIFER DATA

Saturated Thickness: 3. ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: PWCG-6

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.662 ft
Static Water Column Height: 12. ft
Casing Radius: 0.083 ft
Well Radius: 0.083 ft
Well Skin Radius: 1. ft
Screen Length: 10. ft
Total Well Penetration Depth: 15.3 ft

No. of Observations: 1800

Observation Data

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
1.	1.662	901.	0.141
2.	1.563	902.	0.145
3.	1.488	903.	0.139
4.	1.434	904.	0.143
5.	1.368	905.	0.147
6.	1.337	906.	0.155
7.	1.308	907.	0.141
8.	1.258	908.	0.139
9.	1.239	909.	0.143
10.	1.202	910.	0.145
11.	1.179	911.	0.149
12.	1.162	912.	0.143
13.	1.133	913.	0.149
14.	1.109	914.	0.143
15.	1.088	915.	0.147
16.	1.066	916.	0.147
17.	1.046	917.	0.141
18.	1.034	918.	0.143
19.	1.011	919.	0.149
20.	0.999	920.	0.151

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
21.	0.981	921.	0.149
22.	0.964	922.	0.149
23.	0.954	923.	0.153
24.	0.933	924.	0.155
25.	0.914	925.	0.139
26.	0.903	926.	0.149
27.	0.889	927.	0.147
28.	0.874	928.	0.151
29.	0.862	929.	0.147
30.	0.856	930.	0.149
31.	0.841	931.	0.147
32.	0.833	932.	0.151
33.	0.819	933.	0.147
34.	0.794	934.	0.155
35.	0.788	935.	0.143
36.	0.778	936.	0.153
37.	0.771	937.	0.153
38.	0.759	938.	0.151
39.	0.753	939.	0.151
40.	0.74	940.	0.143
41.	0.732	941.	0.151
42.	0.72	942.	0.143
43.	0.711	943.	0.145
44.	0.695	944.	0.151
45.	0.69	945.	0.147
46.	0.686	946.	0.139
47.	0.676	947.	0.151
48.	0.672	948.	0.145
49.	0.664	949.	0.147
50.	0.657	950.	0.149
51.	0.645	951.	0.143
52.	0.633	952.	0.147
53.	0.633	953.	0.147
54.	0.63	954.	0.139
55.	0.612	955.	0.147
56.	0.604	956.	0.147
57.	0.61	957.	0.139
58.	0.603	958.	0.141
59.	0.585	959.	0.143
60.	0.579	960.	0.143
61.	0.57	961.	0.141
62.	0.574	962.	0.149
63.	0.566	963.	0.149
64.	0.566	964.	0.153
65.	0.543	965.	0.147
66.	0.556	966.	0.153
67.	0.548	967.	0.143
68.	0.537	968.	0.151
69.	0.527	969.	0.141
70.	0.529	970.	0.147
71.	0.525	971.	0.149
72.	0.521	972.	0.141
73.	0.508	973.	0.147
74.	0.507	974.	0.139
75.	0.5	975.	0.149

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
76.	0.5	976.	0.142
77.	0.503	977.	0.153
78.	0.496	978.	0.143
79.	0.477	979.	0.145
80.	0.482	980.	0.147
81.	0.484	981.	0.149
82.	0.471	982.	0.143
83.	0.471	983.	0.151
84.	0.465	984.	0.143
85.	0.459	985.	0.143
86.	0.459	986.	0.149
87.	0.452	987.	0.145
88.	0.453	988.	0.147
89.	0.451	989.	0.141
90.	0.438	990.	0.141
91.	0.44	991.	0.147
92.	0.434	992.	0.147
93.	0.43	993.	0.143
94.	0.428	994.	0.145
95.	0.43	995.	0.149
96.	0.426	996.	0.139
97.	0.419	997.	0.143
98.	0.411	998.	0.141
99.	0.414	999.	0.135
100.	0.413	1000.	0.141
101.	0.418	1001.	0.135
102.	0.403	1002.	0.147
103.	0.399	1003.	0.143
104.	0.407	1004.	0.137
105.	0.399	1005.	0.145
106.	0.397	1006.	0.155
107.	0.389	1007.	0.139
108.	0.391	1008.	0.135
109.	0.387	1009.	0.139
110.	0.38	1010.	0.151
111.	0.382	1011.	0.143
112.	0.38	1012.	0.141
113.	0.376	1013.	0.141
114.	0.374	1014.	0.143
115.	0.376	1015.	0.137
116.	0.366	1016.	0.141
117.	0.364	1017.	0.145
118.	0.358	1018.	0.153
119.	0.347	1019.	0.141
120.	0.36	1020.	0.151
121.	0.356	1021.	0.139
122.	0.353	1022.	0.133
123.	0.349	1023.	0.141
124.	0.345	1024.	0.141
125.	0.349	1025.	0.145
126.	0.35	1026.	0.139
127.	0.337	1027.	0.138
128.	0.347	1028.	0.149
129.	0.335	1029.	0.137
130.	0.333	1030.	0.143

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
131.	0.34	1031.	0.143
132.	0.333	1032.	0.141
133.	0.333	1033.	0.141
134.	0.326	1034.	0.14
135.	0.327	1035.	0.14
136.	0.326	1036.	0.139
137.	0.319	1037.	0.147
138.	0.32	1038.	0.143
139.	0.321	1039.	0.14
140.	0.329	1040.	0.137
141.	0.316	1041.	0.139
142.	0.306	1042.	0.151
143.	0.319	1043.	0.138
144.	0.323	1044.	0.147
145.	0.308	1045.	0.137
146.	0.31	1046.	0.147
147.	0.315	1047.	0.141
148.	0.31	1048.	0.145
149.	0.304	1049.	0.149
150.	0.304	1050.	0.153
151.	0.312	1051.	0.141
152.	0.298	1052.	0.141
153.	0.304	1053.	0.137
154.	0.3	1054.	0.147
155.	0.304	1055.	0.145
156.	0.298	1056.	0.145
157.	0.298	1057.	0.143
158.	0.302	1058.	0.14
159.	0.298	1059.	0.145
160.	0.3	1060.	0.139
161.	0.291	1061.	0.153
162.	0.286	1062.	0.153
163.	0.281	1063.	0.147
164.	0.282	1064.	0.149
165.	0.291	1065.	0.141
166.	0.294	1066.	0.135
167.	0.286	1067.	0.143
168.	0.292	1068.	0.151
169.	0.277	1069.	0.145
170.	0.284	1070.	0.131
171.	0.284	1071.	0.135
172.	0.273	1072.	0.149
173.	0.282	1073.	0.143
174.	0.284	1074.	0.145
175.	0.279	1075.	0.141
176.	0.259	1076.	0.143
177.	0.269	1077.	0.133
178.	0.267	1078.	0.145
179.	0.269	1079.	0.142
180.	0.267	1080.	0.143
181.	0.275	1081.	0.137
182.	0.263	1082.	0.137
183.	0.261	1083.	0.135
184.	0.273	1084.	0.131
185.	0.263	1085.	0.141

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
186.	0.275	1086.	0.153
187.	0.265	1087.	0.139
188.	0.261	1088.	0.139
189.	0.265	1089.	0.137
190.	0.255	1090.	0.141
191.	0.252	1091.	0.149
192.	0.252	1092.	0.141
193.	0.255	1093.	0.145
194.	0.261	1094.	0.147
195.	0.246	1095.	0.127
196.	0.259	1096.	0.135
197.	0.259	1097.	0.143
198.	0.261	1098.	0.149
199.	0.25	1099.	0.145
200.	0.257	1100.	0.139
201.	0.249	1101.	0.149
202.	0.244	1102.	0.143
203.	0.248	1103.	0.141
204.	0.246	1104.	0.145
205.	0.244	1105.	0.149
206.	0.263	1106.	0.137
207.	0.244	1107.	0.143
208.	0.248	1108.	0.143
209.	0.244	1109.	0.139
210.	0.239	1110.	0.137
211.	0.243	1111.	0.142
212.	0.24	1112.	0.138
213.	0.234	1113.	0.137
214.	0.241	1114.	0.147
215.	0.241	1115.	0.141
216.	0.23	1116.	0.147
217.	0.238	1117.	0.149
218.	0.248	1118.	0.143
219.	0.23	1119.	0.147
220.	0.223	1120.	0.151
221.	0.238	1121.	0.143
222.	0.235	1122.	0.145
223.	0.232	1123.	0.147
224.	0.228	1124.	0.141
225.	0.222	1125.	0.139
226.	0.226	1126.	0.145
227.	0.23	1127.	0.156
228.	0.228	1128.	0.145
229.	0.236	1129.	0.143
230.	0.243	1130.	0.143
231.	0.23	1131.	0.147
232.	0.226	1132.	0.143
233.	0.221	1133.	0.133
234.	0.226	1134.	0.145
235.	0.219	1135.	0.139
236.	0.234	1136.	0.143
237.	0.23	1137.	0.143
238.	0.221	1138.	0.141
239.	0.228	1139.	0.131
240.	0.23	1140.	0.147

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
241.	0.218	1141.	0.141
242.	0.224	1142.	0.141
243.	0.228	1143.	0.141
244.	0.22	1144.	0.137
245.	0.219	1145.	0.133
246.	0.214	1146.	0.133
247.	0.228	1147.	0.143
248.	0.223	1148.	0.133
249.	0.215	1149.	0.145
250.	0.224	1150.	0.145
251.	0.22	1151.	0.139
252.	0.219	1152.	0.135
253.	0.224	1153.	0.129
254.	0.224	1154.	0.139
255.	0.228	1155.	0.141
256.	0.216	1156.	0.137
257.	0.216	1157.	0.131
258.	0.216	1158.	0.127
259.	0.214	1159.	0.141
260.	0.214	1160.	0.133
261.	0.215	1161.	0.131
262.	0.208	1162.	0.147
263.	0.212	1163.	0.139
264.	0.212	1164.	0.147
265.	0.214	1165.	0.137
266.	0.216	1166.	0.141
267.	0.216	1167.	0.137
268.	0.22	1168.	0.145
269.	0.218	1169.	0.133
270.	0.205	1170.	0.139
271.	0.216	1171.	0.135
272.	0.212	1172.	0.143
273.	0.214	1173.	0.143
274.	0.212	1174.	0.141
275.	0.205	1175.	0.127
276.	0.208	1176.	0.129
277.	0.215	1177.	0.139
278.	0.214	1178.	0.135
279.	0.216	1179.	0.139
280.	0.222	1180.	0.139
281.	0.214	1181.	0.133
282.	0.216	1182.	0.143
283.	0.208	1183.	0.131
284.	0.21	1184.	0.137
285.	0.218	1185.	0.137
286.	0.206	1186.	0.137
287.	0.21	1187.	0.139
288.	0.203	1188.	0.133
289.	0.205	1189.	0.139
290.	0.216	1190.	0.137
291.	0.208	1191.	0.127
292.	0.203	1192.	0.139
293.	0.203	1193.	0.143
294.	0.197	1194.	0.129
295.	0.203	1195.	0.137

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
296.	0.203	1196.	0.143
297.	0.201	1197.	0.135
298.	0.203	1198.	0.137
299.	0.201	1199.	0.135
300.	0.206	1200.	0.143
301.	0.197	1201.	0.131
302.	0.205	1202.	0.137
303.	0.203	1203.	0.141
304.	0.197	1204.	0.143
305.	0.203	1205.	0.149
306.	0.201	1206.	0.139
307.	0.206	1207.	0.139
308.	0.195	1208.	0.133
309.	0.205	1209.	0.143
310.	0.203	1210.	0.143
311.	0.199	1211.	0.141
312.	0.197	1212.	0.141
313.	0.198	1213.	0.139
314.	0.189	1214.	0.135
315.	0.205	1215.	0.137
316.	0.195	1216.	0.145
317.	0.199	1217.	0.141
318.	0.203	1218.	0.141
319.	0.202	1219.	0.149
320.	0.198	1220.	0.145
321.	0.195	1221.	0.135
322.	0.196	1222.	0.139
323.	0.192	1223.	0.135
324.	0.201	1224.	0.147
325.	0.201	1225.	0.145
326.	0.198	1226.	0.143
327.	0.187	1227.	0.139
328.	0.198	1228.	0.137
329.	0.197	1229.	0.141
330.	0.198	1230.	0.141
331.	0.193	1231.	0.137
332.	0.194	1232.	0.141
333.	0.187	1233.	0.145
334.	0.191	1234.	0.135
335.	0.185	1235.	0.141
336.	0.192	1236.	0.139
337.	0.19	1237.	0.137
338.	0.193	1238.	0.143
339.	0.187	1239.	0.141
340.	0.193	1240.	0.137
341.	0.189	1241.	0.149
342.	0.194	1242.	0.145
343.	0.177	1243.	0.147
344.	0.185	1244.	0.145
345.	0.201	1245.	0.149
346.	0.194	1246.	0.143
347.	0.179	1247.	0.141
348.	0.193	1248.	0.149
349.	0.185	1249.	0.145
350.	0.191	1250.	0.127

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
351.	0.194	1251.	0.131
352.	0.179	1252.	0.141
353.	0.189	1253.	0.137
354.	0.181	1254.	0.147
355.	0.189	1255.	0.131
356.	0.185	1256.	0.149
357.	0.187	1257.	0.135
358.	0.189	1258.	0.141
359.	0.185	1259.	0.141
360.	0.191	1260.	0.137
361.	0.187	1261.	0.139
362.	0.185	1262.	0.143
363.	0.183	1263.	0.141
364.	0.187	1264.	0.139
365.	0.194	1265.	0.139
366.	0.192	1266.	0.137
367.	0.185	1267.	0.143
368.	0.19	1268.	0.139
369.	0.179	1269.	0.133
370.	0.187	1270.	0.141
371.	0.187	1271.	0.145
372.	0.187	1272.	0.141
373.	0.183	1273.	0.137
374.	0.187	1274.	0.145
375.	0.183	1275.	0.137
376.	0.19	1276.	0.145
377.	0.185	1277.	0.147
378.	0.187	1278.	0.143
379.	0.179	1279.	0.141
380.	0.185	1280.	0.147
381.	0.187	1281.	0.141
382.	0.179	1282.	0.145
383.	0.181	1283.	0.149
384.	0.187	1284.	0.139
385.	0.187	1285.	0.147
386.	0.183	1286.	0.143
387.	0.179	1287.	0.141
388.	0.183	1288.	0.149
389.	0.183	1289.	0.147
390.	0.179	1290.	0.143
391.	0.181	1291.	0.141
392.	0.177	1292.	0.141
393.	0.185	1293.	0.153
394.	0.185	1294.	0.145
395.	0.183	1295.	0.139
396.	0.177	1296.	0.141
397.	0.173	1297.	0.129
398.	0.171	1298.	0.131
399.	0.179	1299.	0.139
400.	0.181	1300.	0.135
401.	0.177	1301.	0.141
402.	0.179	1302.	0.149
403.	0.177	1303.	0.145
404.	0.175	1304.	0.131
405.	0.179	1305.	0.139

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
406.	0.183	1306.	0.133
407.	0.181	1307.	0.135
408.	0.18	1308.	0.149
409.	0.185	1309.	0.133
410.	0.179	1310.	0.143
411.	0.183	1311.	0.145
412.	0.187	1312.	0.141
413.	0.179	1313.	0.141
414.	0.177	1314.	0.141
415.	0.185	1315.	0.139
416.	0.179	1316.	0.149
417.	0.179	1317.	0.139
418.	0.173	1318.	0.143
419.	0.181	1319.	0.133
420.	0.177	1320.	0.141
421.	0.175	1321.	0.143
422.	0.167	1322.	0.147
423.	0.171	1323.	0.149
424.	0.173	1324.	0.139
425.	0.173	1325.	0.143
426.	0.167	1326.	0.139
427.	0.175	1327.	0.141
428.	0.179	1328.	0.145
429.	0.167	1329.	0.145
430.	0.173	1330.	0.137
431.	0.177	1331.	0.147
432.	0.175	1332.	0.143
433.	0.179	1333.	0.143
434.	0.174	1334.	0.135
435.	0.179	1335.	0.139
436.	0.171	1336.	0.139
437.	0.175	1337.	0.139
438.	0.179	1338.	0.141
439.	0.183	1339.	0.139
440.	0.185	1340.	0.135
441.	0.179	1341.	0.141
442.	0.179	1342.	0.145
443.	0.175	1343.	0.139
444.	0.177	1344.	0.139
445.	0.175	1345.	0.137
446.	0.171	1346.	0.133
447.	0.176	1347.	0.131
448.	0.181	1348.	0.137
449.	0.173	1349.	0.141
450.	0.177	1350.	0.147
451.	0.179	1351.	0.147
452.	0.177	1352.	0.145
453.	0.174	1353.	0.137
454.	0.171	1354.	0.139
455.	0.177	1355.	0.135
456.	0.173	1356.	0.145
457.	0.179	1357.	0.137
458.	0.169	1358.	0.145
459.	0.173	1359.	0.137
460.	0.181	1360.	0.143

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
461.	0.177	1361.	0.145
462.	0.175	1362.	0.145
463.	0.169	1363.	0.135
464.	0.179	1364.	0.133
465.	0.172	1365.	0.143
466.	0.179	1366.	0.139
467.	0.181	1367.	0.143
468.	0.181	1368.	0.139
469.	0.165	1369.	0.143
470.	0.172	1370.	0.133
471.	0.163	1371.	0.137
472.	0.173	1372.	0.145
473.	0.163	1373.	0.145
474.	0.167	1374.	0.145
475.	0.179	1375.	0.141
476.	0.165	1376.	0.133
477.	0.175	1377.	0.141
478.	0.167	1378.	0.135
479.	0.171	1379.	0.133
480.	0.167	1380.	0.137
481.	0.175	1381.	0.135
482.	0.169	1382.	0.135
483.	0.179	1383.	0.135
484.	0.165	1384.	0.141
485.	0.169	1385.	0.137
486.	0.171	1386.	0.147
487.	0.165	1387.	0.143
488.	0.165	1388.	0.131
489.	0.167	1389.	0.133
490.	0.171	1390.	0.135
491.	0.171	1391.	0.139
492.	0.167	1392.	0.141
493.	0.167	1393.	0.137
494.	0.159	1394.	0.143
495.	0.163	1395.	0.131
496.	0.165	1396.	0.147
497.	0.169	1397.	0.141
498.	0.165	1398.	0.131
499.	0.176	1399.	0.133
500.	0.169	1400.	0.137
501.	0.171	1401.	0.133
502.	0.169	1402.	0.137
503.	0.173	1403.	0.137
504.	0.163	1404.	0.135
505.	0.171	1405.	0.139
506.	0.165	1406.	0.135
507.	0.171	1407.	0.141
508.	0.165	1408.	0.135
509.	0.167	1409.	0.129
510.	0.167	1410.	0.137
511.	0.171	1411.	0.141
512.	0.176	1412.	0.129
513.	0.173	1413.	0.127
514.	0.173	1414.	0.135
515.	0.159	1415.	0.137

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
516.	0.165	1416.	0.131
517.	0.169	1417.	0.143
518.	0.171	1418.	0.131
519.	0.169	1419.	0.141
520.	0.161	1420.	0.145
521.	0.171	1421.	0.141
522.	0.167	1422.	0.135
523.	0.163	1423.	0.141
524.	0.169	1424.	0.139
525.	0.157	1425.	0.141
526.	0.165	1426.	0.147
527.	0.169	1427.	0.137
528.	0.171	1428.	0.139
529.	0.169	1429.	0.137
530.	0.165	1430.	0.141
531.	0.174	1431.	0.131
532.	0.161	1432.	0.137
533.	0.157	1433.	0.139
534.	0.159	1434.	0.139
535.	0.167	1435.	0.139
536.	0.155	1436.	0.127
537.	0.161	1437.	0.135
538.	0.165	1438.	0.147
539.	0.169	1439.	0.147
540.	0.159	1440.	0.145
541.	0.167	1441.	0.129
542.	0.172	1442.	0.127
543.	0.165	1443.	0.135
544.	0.155	1444.	0.139
545.	0.161	1445.	0.127
546.	0.167	1446.	0.145
547.	0.167	1447.	0.141
548.	0.163	1448.	0.131
549.	0.169	1449.	0.137
550.	0.165	1450.	0.145
551.	0.163	1451.	0.137
552.	0.167	1452.	0.139
553.	0.158	1453.	0.122
554.	0.167	1454.	0.133
555.	0.169	1455.	0.137
556.	0.155	1456.	0.133
557.	0.161	1457.	0.135
558.	0.167	1458.	0.133
559.	0.165	1459.	0.141
560.	0.163	1460.	0.139
561.	0.163	1461.	0.131
562.	0.163	1462.	0.135
563.	0.159	1463.	0.135
564.	0.159	1464.	0.137
565.	0.163	1465.	0.137
566.	0.155	1466.	0.137
567.	0.159	1467.	0.141
568.	0.159	1468.	0.137
569.	0.163	1469.	0.141
570.	0.167	1470.	0.127

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
571.	0.153	1471.	0.139
572.	0.163	1472.	0.129
573.	0.157	1473.	0.139
574.	0.157	1474.	0.141
575.	0.169	1475.	0.133
576.	0.171	1476.	0.141
577.	0.171	1477.	0.141
578.	0.163	1478.	0.133
579.	0.171	1479.	0.139
580.	0.153	1480.	0.135
581.	0.163	1481.	0.141
582.	0.165	1482.	0.135
583.	0.16	1483.	0.133
584.	0.169	1484.	0.141
585.	0.155	1485.	0.139
586.	0.155	1486.	0.137
587.	0.159	1487.	0.135
588.	0.163	1488.	0.141
589.	0.167	1489.	0.137
590.	0.157	1490.	0.131
591.	0.165	1491.	0.131
592.	0.161	1492.	0.147
593.	0.155	1493.	0.135
594.	0.153	1494.	0.137
595.	0.159	1495.	0.145
596.	0.161	1496.	0.139
597.	0.163	1497.	0.137
598.	0.153	1498.	0.139
599.	0.165	1499.	0.129
600.	0.161	1500.	0.129
601.	0.157	1501.	0.137
602.	0.159	1502.	0.131
603.	0.155	1503.	0.147
604.	0.159	1504.	0.141
605.	0.155	1505.	0.129
606.	0.161	1506.	0.145
607.	0.155	1507.	0.135
608.	0.165	1508.	0.143
609.	0.165	1509.	0.143
610.	0.157	1510.	0.137
611.	0.159	1511.	0.139
612.	0.157	1512.	0.137
613.	0.163	1513.	0.126
614.	0.165	1514.	0.131
615.	0.155	1515.	0.137
616.	0.159	1516.	0.141
617.	0.155	1517.	0.143
618.	0.163	1518.	0.139
619.	0.163	1519.	0.131
620.	0.157	1520.	0.131
621.	0.169	1521.	0.129
622.	0.155	1522.	0.135
623.	0.161	1523.	0.137
624.	0.163	1524.	0.141
625.	0.167	1525.	0.131

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
626.	0.165	1526.	0.127
627.	0.163	1527.	0.133
628.	0.151	1528.	0.139
629.	0.153	1529.	0.131
630.	0.153	1530.	0.131
631.	0.155	1531.	0.135
632.	0.159	1532.	0.133
633.	0.165	1533.	0.127
634.	0.161	1534.	0.141
635.	0.157	1535.	0.143
636.	0.159	1536.	0.137
637.	0.157	1537.	0.131
638.	0.149	1538.	0.14
639.	0.157	1539.	0.131
640.	0.161	1540.	0.131
641.	0.155	1541.	0.139
642.	0.161	1542.	0.137
643.	0.153	1543.	0.133
644.	0.153	1544.	0.131
645.	0.163	1545.	0.141
646.	0.167	1546.	0.139
647.	0.163	1547.	0.131
648.	0.151	1548.	0.145
649.	0.155	1549.	0.139
650.	0.155	1550.	0.137
651.	0.155	1551.	0.135
652.	0.157	1552.	0.141
653.	0.149	1553.	0.135
654.	0.151	1554.	0.135
655.	0.147	1555.	0.135
656.	0.147	1556.	0.143
657.	0.157	1557.	0.133
658.	0.151	1558.	0.135
659.	0.145	1559.	0.143
660.	0.151	1560.	0.139
661.	0.155	1561.	0.129
662.	0.163	1562.	0.139
663.	0.147	1563.	0.137
664.	0.155	1564.	0.139
665.	0.149	1565.	0.133
666.	0.155	1566.	0.127
667.	0.157	1567.	0.139
668.	0.153	1568.	0.137
669.	0.161	1569.	0.129
670.	0.143	1570.	0.127
671.	0.155	1571.	0.137
672.	0.157	1572.	0.137
673.	0.149	1573.	0.135
674.	0.159	1574.	0.129
675.	0.157	1575.	0.139
676.	0.151	1576.	0.141
677.	0.149	1577.	0.137
678.	0.153	1578.	0.135
679.	0.155	1579.	0.139
680.	0.145	1580.	0.143

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
681.	0.155	1581.	0.127
682.	0.155	1582.	0.129
683.	0.155	1583.	0.139
684.	0.153	1584.	0.141
685.	0.149	1585.	0.143
686.	0.153	1586.	0.131
687.	0.151	1587.	0.135
688.	0.145	1588.	0.143
689.	0.153	1589.	0.145
690.	0.153	1590.	0.141
691.	0.165	1591.	0.137
692.	0.155	1592.	0.137
693.	0.147	1593.	0.133
694.	0.153	1594.	0.129
695.	0.151	1595.	0.135
696.	0.159	1596.	0.137
697.	0.157	1597.	0.131
698.	0.149	1598.	0.135
699.	0.153	1599.	0.127
700.	0.159	1600.	0.131
701.	0.153	1601.	0.135
702.	0.138	1602.	0.127
703.	0.159	1603.	0.137
704.	0.149	1604.	0.135
705.	0.14	1605.	0.135
706.	0.151	1606.	0.135
707.	0.147	1607.	0.135
708.	0.159	1608.	0.143
709.	0.149	1609.	0.137
710.	0.151	1610.	0.127
711.	0.153	1611.	0.137
712.	0.155	1612.	0.139
713.	0.149	1613.	0.143
714.	0.143	1614.	0.135
715.	0.149	1615.	0.131
716.	0.151	1616.	0.131
717.	0.145	1617.	0.127
718.	0.149	1618.	0.133
719.	0.155	1619.	0.139
720.	0.149	1620.	0.135
721.	0.151	1621.	0.127
722.	0.149	1622.	0.135
723.	0.153	1623.	0.143
724.	0.149	1624.	0.137
725.	0.153	1625.	0.135
726.	0.153	1626.	0.143
727.	0.149	1627.	0.139
728.	0.155	1628.	0.137
729.	0.153	1629.	0.137
730.	0.157	1630.	0.135
731.	0.149	1631.	0.141
732.	0.151	1632.	0.12
733.	0.14	1633.	0.129
734.	0.161	1634.	0.131
735.	0.151	1635.	0.135

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
736.	0.147	1636.	0.142
737.	0.149	1637.	0.133
738.	0.151	1638.	0.131
739.	0.151	1639.	0.137
740.	0.147	1640.	0.141
741.	0.159	1641.	0.139
742.	0.151	1642.	0.133
743.	0.151	1643.	0.145
744.	0.153	1644.	0.147
745.	0.153	1645.	0.139
746.	0.155	1646.	0.139
747.	0.147	1647.	0.135
748.	0.157	1648.	0.131
749.	0.149	1649.	0.125
750.	0.136	1650.	0.145
751.	0.145	1651.	0.145
752.	0.151	1652.	0.135
753.	0.153	1653.	0.135
754.	0.145	1654.	0.137
755.	0.145	1655.	0.131
756.	0.147	1656.	0.129
757.	0.155	1657.	0.133
758.	0.159	1658.	0.126
759.	0.149	1659.	0.126
760.	0.147	1660.	0.137
761.	0.155	1661.	0.137
762.	0.149	1662.	0.124
763.	0.14	1663.	0.141
764.	0.147	1664.	0.139
765.	0.142	1665.	0.129
766.	0.149	1666.	0.133
767.	0.153	1667.	0.129
768.	0.153	1668.	0.139
769.	0.155	1669.	0.135
770.	0.149	1670.	0.137
771.	0.153	1671.	0.131
772.	0.149	1672.	0.133
773.	0.151	1673.	0.129
774.	0.151	1674.	0.122
775.	0.151	1675.	0.131
776.	0.151	1676.	0.135
777.	0.145	1677.	0.137
778.	0.149	1678.	0.139
779.	0.151	1679.	0.139
780.	0.142	1680.	0.135
781.	0.147	1681.	0.129
782.	0.147	1682.	0.133
783.	0.147	1683.	0.131
784.	0.147	1684.	0.129
785.	0.147	1685.	0.137
786.	0.145	1686.	0.129
787.	0.153	1687.	0.127
788.	0.145	1688.	0.137
789.	0.147	1689.	0.123
790.	0.151	1690.	0.141

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
791.	0.147	1691.	0.143
792.	0.151	1692.	0.131
793.	0.143	1693.	0.131
794.	0.161	1694.	0.131
795.	0.151	1695.	0.135
796.	0.147	1696.	0.135
797.	0.151	1697.	0.133
798.	0.145	1698.	0.141
799.	0.145	1699.	0.131
800.	0.143	1700.	0.145
801.	0.145	1701.	0.135
802.	0.149	1702.	0.135
803.	0.145	1703.	0.133
804.	0.143	1704.	0.133
805.	0.143	1705.	0.133
806.	0.145	1706.	0.131
807.	0.147	1707.	0.131
808.	0.143	1708.	0.131
809.	0.145	1709.	0.131
810.	0.149	1710.	0.135
811.	0.147	1711.	0.127
812.	0.151	1712.	0.135
813.	0.145	1713.	0.135
814.	0.145	1714.	0.135
815.	0.153	1715.	0.131
816.	0.141	1716.	0.139
817.	0.153	1717.	0.129
818.	0.142	1718.	0.137
819.	0.143	1719.	0.131
820.	0.147	1720.	0.129
821.	0.153	1721.	0.124
822.	0.153	1722.	0.141
823.	0.143	1723.	0.141
824.	0.153	1724.	0.133
825.	0.147	1725.	0.131
826.	0.141	1726.	0.141
827.	0.145	1727.	0.131
828.	0.149	1728.	0.135
829.	0.155	1729.	0.126
830.	0.149	1730.	0.137
831.	0.155	1731.	0.127
832.	0.147	1732.	0.131
833.	0.145	1733.	0.131
834.	0.14	1734.	0.135
835.	0.147	1735.	0.131
836.	0.141	1736.	0.137
837.	0.143	1737.	0.144
838.	0.151	1738.	0.151
839.	0.151	1739.	0.14
840.	0.141	1740.	0.133
841.	0.153	1741.	0.137
842.	0.143	1742.	0.135
843.	0.147	1743.	0.129
844.	0.151	1744.	0.141
845.	0.149	1745.	0.131

Time (sec)	Displacement (ft)	Time (sec)	Displacement (ft)
846.	0.155	1746.	0.143
847.	0.145	1747.	0.141
848.	0.149	1748.	0.143
849.	0.143	1749.	0.133
850.	0.151	1750.	0.137
851.	0.147	1751.	0.133
852.	0.138	1752.	0.137
853.	0.153	1753.	0.131
854.	0.142	1754.	0.126
855.	0.149	1755.	0.131
856.	0.145	1756.	0.141
857.	0.151	1757.	0.141
858.	0.145	1758.	0.126
859.	0.147	1759.	0.135
860.	0.145	1760.	0.135
861.	0.151	1761.	0.141
862.	0.153	1762.	0.131
863.	0.153	1763.	0.139
864.	0.147	1764.	0.137
865.	0.147	1765.	0.147
866.	0.147	1766.	0.139
867.	0.153	1767.	0.145
868.	0.153	1768.	0.137
869.	0.151	1769.	0.133
870.	0.157	1770.	0.141
871.	0.147	1771.	0.133
872.	0.145	1772.	0.143
873.	0.14	1773.	0.133
874.	0.147	1774.	0.139
875.	0.147	1775.	0.141
876.	0.149	1776.	0.147
877.	0.145	1777.	0.143
878.	0.147	1778.	0.129
879.	0.145	1779.	0.135
880.	0.139	1780.	0.131
881.	0.145	1781.	0.141
882.	0.147	1782.	0.14
883.	0.139	1783.	0.129
884.	0.147	1784.	0.141
885.	0.147	1785.	0.135
886.	0.147	1786.	0.139
887.	0.147	1787.	0.135
888.	0.149	1788.	0.139
889.	0.139	1789.	0.141
890.	0.157	1790.	0.135
891.	0.153	1791.	0.129
892.	0.149	1792.	0.131
893.	0.141	1793.	0.135
894.	0.147	1794.	0.139
895.	0.153	1795.	0.139
896.	0.149	1796.	0.141
897.	0.141	1797.	0.129
898.	0.147	1798.	0.133
899.	0.155	1799.	0.131
900.	0.147	1800.	0.135

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: KGS Model w/skin

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
Kr	2.812E-5	cm/sec
Ss	3.409	ft^{-1}
Kz/Kr	0.001	
Kr'	2.812E-5	cm/sec
Ss'	1.	ft^{-1}
Kz/Kr'	0.001	

T = K*b = 0.002572 cm^2/sec

The Error Log identifies errors detected in your data set.
Choose this view when you see the "Check Errors" indicator on the status bar.

No errors detected in data set.

Tips for Analyzing Aquifer Tests with AQTESOLV for Windows

1. Enter Test Data
   Choose options from the Edit menu to enter or modify test data.
2. Perform Diagnostic Analyses (Optional)
   Choose diagnostic flow plot and derivative plot options from the View menu.
3. Perform Curve Matching or Prediction
   Choose the Solution or Toolbox options from the Match menu to perform forward solution analyses
   Choose the Automatic, Visual or Toolbox options from the Match menu to perform curve matching.
4. Analysis of Residuals (Optional)
   Choose residual plot and diagnostic report options from View menu to evaluate automatic curve fit.
5. Reporting
   Choose Format option from View menu to customize appearance of plots and reports.
   Choose Print Preview and Print options from File menu to obtain hardcopy output.

Data Set Summary

Slug Test
Total no. of observations: 1800
Range of time readings in obs. well(s): 1 to 1800 sec
Range of displacement readings in obs. well(s): 0.12 to 1.662 ft

ATTACHMENT E-5

PROPOSED GROUNDWATER MONITORING SYSTEM LOGS

Includes pages E-5-1 through E-5-11

KEY TO LITHOLOGIC LOGS
MUSKOGEE RDF
2022 SUBSURFACE INVESTIGATION

SAMPLING METHODS:

Symbol:	Sampling Method:
U	Thin Walled Shelby Tube Sample
S	Split Spoon Barrel Sample
C	Split Core Barrel Sample
P	Pitcher Barrel Sample
A	Auger Sample
WR	Rotary Wash Sample

RELATIVE DENSITY OF COARSE GRAINED SOILS:

Penetration Resistance: (Blows/Foot)	Relative Density:
0 - 4	Very Loose
4 - 10	Loose
10 - 30	Medium Dense
30 - 50	Dense
Over 50	Very Dense

CONSISTENCY OF FINE-GRAINED SOILS:

Unconfined Compressive Strength: (Tons per Square Foot)	Consistency:	Field Criteria:
Less than 0.25	Very Soft	Squeezes between fingers when fist is closed.
0.25 to 0.50	Soft	Easily molded by fingers.
0.50 to 1.00	Firm	Molded by strong pressure of fingers.
1.00 to 2.00	Stiff	Imprinted very slightly by finger pressure.
2.00 to 4.00	Very Stiff	Cannot imprint with finger pressure / can penetrate w/ pencil.
4.00 and Up	Hard	Imprinted only slightly by pencil point.

MOISTURE:

Description:	Criteria:
Dry	Absence of moisture.
Moist	Damp, but no visible water.
Wet	Very damp to visible water.

PLASTICITY

Description:	Criteria:
Non-plastic	1/8" Thread Can't Be Rolled.
Low	1/8" Thread Difficult to Roll / No Lump.
Medium	1/8" Thread Easy to Roll / No reroll / No Lump.
High	Long time to 1/8" Thread at Plastic Limit.

STRATIFICATION:

Description:	Thickness:
Massive Bedding	> 10 ft.
Very Thickly Bedded	3 ft. to 10 ft.
Thickly Bedded	1 ft. to 3 ft.
Moderately Bedded	3 in. to 1 ft.
Thinly Bedded	1.2 in. to 3 in.
Very Thinly Bedded	3/8 in. to 1.2 in.
Laminated	< 3/8 in.
No Visible Bedding	Not Visually Evident

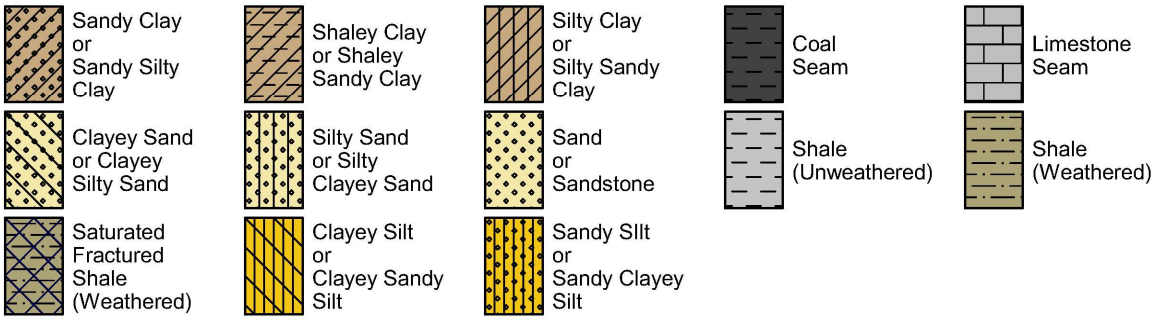
SEDIMENTARY TEXTURES:

Description:	Definition:
Slickensides	Polished fracture surface seen in clay.
Fractures	Failure plane, commonly w/ mineralization.
Blocky	Angular lumps that resist further breakdown.
Brecciated	Angular fragments commonly due to faulting.
Friable	Consolidated material easily broken into small pieces
Weathered	Irregular discoloration and diminished soil structure.
Calcareous	Contains calcium carbonate, commonly as cement.
Interbedded	Indicates alternating layers of contrasting sediments.

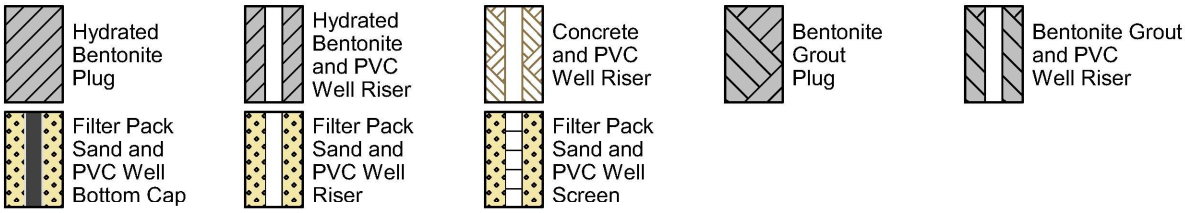
SUBSURFACE CONDITIONS:

The lithologic log soil and rock descriptions are based on visual field observations. The lithologic unit contacts shown on the logs indicate approximate boundaries between materials. The actual contacts may be gradational and vary between borehole locations. The visual/manual procedures used for the field classification of soils were performed in general accordance with ASTM Standard D-2488. Water level observations were made at the time of drilling and at subsequent times, as indicated. Future water levels may vary significantly from those indicated due to climatic factors, construction activity, or other factors.

LITHOLOGIC UNITS



PIEZOMETER AND PLUGGING DETAIL



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Weaver Consultants Group

LOG OF BORING MW-9 (PWCG-2)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

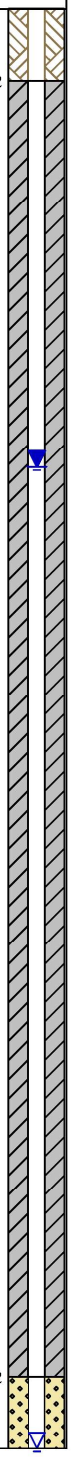
Boring Start Date: 9/14/2022 Northing (State Plane): 273110.03
Boring End Date: 9/15/2022 Easting (State Pane): 2728115.99

Nearest Ground Elevation at Time of Drilling: 633.82 ft-msl
Top of PVC Well Casing Datum Elevation: 636.73 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 593.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 621.08 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
		SILT, clayey, trace sand, dry, loose, non-plastic to low plasticity when moistened, no visible bedding, pinkish gray, with roots and organics.	631.3									
5	S	CLAY, silty, trace sand, dry, hard, plastic when moistened, laminated, reddish yellow and white with brown, with iron staining.		>4.5								
	S	CH-CL	623.8	>4.5		81	14.0		50	18	32	
10	S	CLAY, sandy, silty, moist, hard, low to medium plasticity, laminated, light gray and borwn, interbeded laminated of heterogeneous composition.		>4.5								
15	S	CL		>4.5		76	8.0		44	15	29	
20	S	CLAY, shaley, silty, dry to moist, hard, medium plasticity, laminated, brown, friable.	611.8	>4.5								
25	S	CL	605.8	>4.5		84	9.0		45	15	30	
30	S	SHALE, clayey, silty, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and brown, fissile, fractured in intervals, weathered.		1.0								
35	S	CL		>4.5		32	6.0		48	17	31	

Groundwater Piezometer Construction Detail



MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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Weaver Consultants Group

LOG OF BORING MW-9 (PWCG-2)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/14/2022 Northing (State Plane): 273110.03
Boring End Date: 9/15/2022 Easting (State Pane): 2728115.99

Nearest Ground Elevation at Time of Drilling: 633.82 ft-msl
Top of PVC Well Casing Datum Elevation: 636.73 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 593.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 621.08 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
			- becomes fractured and wet in intervals from 40.0 to 46.0'.											593.82
	S													
45				587.8										
	S		SHALE, silty, clayey in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and black, fractured in intervals, with trace organics.											
50														583.82 583.32
	S				>4.5									
55					>4.5									
	C													
60					>4.5									
	C													
65														
	C			566.8	>4.5									566.82
			Total Borehole Depth = 67.0'.											
70														
75														

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING MW-10 (PWCG-3)

Weaver Consultants Group

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/16/2022 Northing (State Plane): 272211.72
Boring End Date: 9/17/2022 Easting (State Pane): 2728490.56

Nearest Ground Elevation at Time of Drilling: 635.32 ft-msl
Top of PVC Well Casing Datum Elevation: 638.48 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 600.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 627.86 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S		SILT, clayey, trace sand, dry, loose, non-plastic to low plasticity when moistened, no visible bedding, light reddish brown, with rootlets.	632.3									
			SAND, silty, clayey, dry, hard, non-plastic when moistened, laminated, light reddish brown.	630.3	>4.5								
5	U		CLAY, silty, sandy, moist, very stiff to hard, low to medium plasticity, laminated, light gray and brown, interbedded, with iron staining.		4.0								
	U			626.3	3.0								
10	U		CLAY, sandy, silty, with gravel, moist, hard, low to medium plasticity, laminated, brown and light gray with black mottling, interbedded, with trace organics and iron stones. CL		4.0		48	15.0		38	14	24	
	U				>4.5								
	U		- becomes light yellowish brown with light gray mottling below 13.0'.	620.3									
15	U		SAND, clayey, silty, moist, hard, low plasticity, laminated, brown and light yellowish brown, interbedded, with trace organics.	618.3	>4.5								
	U		CLAY, sandy, silty, dry to moist, hard, low plasticity, laminated, reddish brown and brown with light gray mottling, interbedded, with iron staining.	616.3	>4.5								
20	U		CLAY, silty, trace sand, dry to moist, hard, low plasticity, laminated, brown with black mottling, interbedded, with blocky partings.		>4.5								
	U			612.3									
	U		SHALE, silty, clayey, trace sand, dry, hard, plastic when moistened, laminated, brown and gray with black mottling, friable, weathered.		>4.5								
25	C		CL			Kv	96.3	10.1	123.8	31	28	8	Kv 6.3x10^{-9}
30				604.3									
	C		SHALE, silty, trace sand in intervals, dry, hard, non-plastic when moistened, laminated, dark gray and black, fossiliferous, weathered.		>4.5								
35			- becomes fractured, fissile, and wet in intervals from 35.0' to 38.0'.										
	C				>4.5								
				597.3	>4.5								
			ML	595.3		Kv	62.3	4.9	141.0	18	NP		Kv 1.5x10^{-8}

Groundwater Piezometer Construction Detail: 633.32; 602.32; 600.32

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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LOG OF BORING MW-10 (PWCG-3)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/16/2022 Northing (State Plane): 272211.72
Boring End Date: 9/17/2022 Easting (State Pane): 2728490.56

Nearest Ground Elevation at Time of Drilling: 635.32 ft-msl
Top of PVC Well Casing Datum Elevation: 638.48 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 600.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 627.86 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
			SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray and black, homogenous, fractured in intervals, fossiliferous.		>4.5									595.32 / 594.82
	C													
45			- low angle fractures at 46.0' and 46.5'.											
	C				>4.5									
50			- heavily fractured from 51.0 to 51.5'.											
			- becomes dark gray with no fossils observed below 52.0'.		>4.5									
	C													
55														
	C		- low angle fracture at 57.5'.		>4.5									
60														
			- low angle fracture at 61.0'.											
	C		- low angle fracture at 62.5'.		>4.5									
65														
	C			567.3										567.32
			Total Borehole Depth = 68.0'.											
70														
75														

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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Weaver Consultants Group

LOG OF BORING MW-11 (PWCG-4)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/18/2022 Northing (State Plane): 271314.23
Boring End Date: 9/19/2022 Easting (State Pane): 2728841.24

Nearest Ground Elevation at Time of Drilling: 642.76 ft-msl
Top of PVC Well Casing Datum Elevation: 645.57 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 602.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 636.56 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S	SAND, silty, trace clay, dry, soft to loose, non-plastic, no visible bedding, light reddish brown, with roots.	639.8									
5	U	CLAY, silty, sandy, moist, stiff to hard, low to medium plasticity, laminated, reddish yellow and brown with light gray mottling, interbedded, with iron staining. CL		4.0								
	U	- becomes heavily oxidized with abundant iron staining and iron nodules below 7.0'.		>4.5		81	18.0		46	15	31	
	U			3.5								
10	U		631.8	3.5								
	U	CLAY, sandy, silty, moist, stiff to hard, low to medium plasticity, laminated, reddish yellow and brown with light gray mottling, interbedded, with iron staining. - contains intermixed poorly consolidated sandstone clasts below 13.0'.		>4.5								
	U		628.8	>4.5								
15	U	SAND, clayey, silty, moist, hard, non-plastic to low plasticity in intervals, laminated, light yellowish brown and light gray with black mottling, interbedded, with intemixed sandstone clasts and iron staining.	625.8	>4.5								
	U	CLAY, silty, sandy, dry, hard, plastic when moistened, laminated, brown with black mottling, with blocky partings and trace organics.	623.8	>4.5								
20	U	SHALE, clayey, silty, dry, hard, plastic when moistened, laminated, brown with black mottling, friable, weathered.		>4.5								
	U	- low angle fracture at 21.5'										
	U	- becomes interbedded with clay laminations below 24.0'.										
25	C	- high angle fracture at 26.0'. CL	613.8		Kv	90.0	9.8	128.5	39	21	18	Kv 6.7x10^{-9}
30	C	SHALE, silty, trace sand in intervals, dry to moist, hard, non-plastic to plastic in intervals when moistened, laminated to thinly bedded, dark gray, fractured in intervals, weathered.										
35	C			>4.5								
			ML		Kv	57.8	5.5	142.3	28	NP		Kv 3.1x10^{-8}

Groundwater Piezometer Construction Detail: 640.76; 610.76; 608.76

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Weaver Consultants Group

LOG OF BORING MW-11 (PWCG-4)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/18/2022 Northing (State Plane): 271314.23
Boring End Date: 9/19/2022 Easting (State Pane): 2728841.24

Nearest Ground Elevation at Time of Drilling: 642.76 ft-msl
Top of PVC Well Casing Datum Elevation: 645.57 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 602.8 ft-msl
▼ = Static Potentiometric Surface Elevation: 636.56 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		- becomes fractured and wet in intervals from 40.0' to 44.0'. - low angle fracture at 42.0'.	598.8										598.76 598.26
45	C		SHALE, clayey, dry, hard, plastic when moistened, laminated, dark gray, fractured in intervals.											
50	C				>4.5									
	C			588.3										
55	C		SHALE, with coal, dry, hard, non-plastic, laminated to thinly bedded, dark gray and black, fractured in intervals, fossiliferous.		>4.5									
60	C		- 12" shaley coal seam at 60.0'. - high angle slickenside at 61.0'. - low angle fracture with pyrite crystals at 61.5'. - high angle fractures at 62.0' and 62.5'.	581.8	>4.5									
	C			577.8										
65	C		SHALE, silty, dry, hard, non-plastic when moistened, no visible bedding, light gray, fractured in intervals.		>4.5									
70	C				>4.5									
	C			567.8	>4.5									567.76
75			Total Borehole Depth = 75.0'.											

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Weaver Consultants Group

LOG OF BORING MW-12 (PWCG-5)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/19/2022 Northing (State Plane): 270317.61
Boring End Date: 9/20/2022 Easting (State Pane): 2728811.89

Nearest Ground Elevation at Time of Drilling: 637.71 ft-msl
Top of PVC Well Casing Datum Elevation: 640.70 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 597.7 ft-msl
▼ = Static Potentiometric Surface Elevation: 622.78 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	S		SAND, silty, dry, loose, non-plastic when moistened, light reddish brown, no visible bedding, with roots.	632.7										635.71
5	U		CLAY, sandy, silty, dry, low to medium plasticity when moistened, light yellowish brown, laminated, with iron staining and iron nodules.	629.7										
	U													
	S		CLAY, silty, sandy, dry, plastic when moistened, light yellowish brown and brown, laminated, interbedded, with iron staining and trace organics. CL				85	12.0		48	18	30		
10	U													
	S													
15	U													▼
	U				>4.5									
	U													
	U				>4.5									
	S			617.7										
20	C		SHALE, silty, clayey, trace sand in intervals, dry, hard, non-plastic to plastic in intervals when moistened, laminated, gray and yellowish brown, fractured in intervals, weathered.		>4.5									
25	C		ML		>4.5	Kv	60.7	3.4	148.7	29	NP		Kv 3.4x10^{-8}	
30	C		- becomes heavily fractured from 30.0' - 35.0'.		>4.5									
35	C		- becomes heavily fractured below 38.0'.		>4.5									599.71 ▽

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Weaver Consultants Group

LOG OF BORING MW-12 (PWCG-5)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: CGM
Drilling Firm: Envirotech

Boring Start Date: 9/19/2022 Northing (State Plane): 270317.61
Boring End Date: 9/20/2022 Easting (State Pane): 2728811.89

Nearest Ground Elevation at Time of Drilling: 637.71 ft-msl
Top of PVC Well Casing Datum Elevation: 640.70 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 597.7 ft-msl
▼ = Static Potentiometric Surface Elevation: 622.78 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		- becomes wet in fractured intervals from 40.0' to 45.0'.	592.7	>4.5									597.71
45	C		SHALE, silty, dry, hard, non-plastic when moistened, dark gray, no visible bedding, crystaline.		>4.5									592.71 592.21
50	C		- becomes heavily fractured from 53.0' to 54.0'.		>4.5									
55	C		- becomes heavily fractured from 57.5' to 70.0'.		>4.5									
60	C				>4.5									
65	C													
70	C			567.7										567.71
75			Total Borehole Depth = 70.0'.											

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LOG OF BORING MW-14 (PWCG-6)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

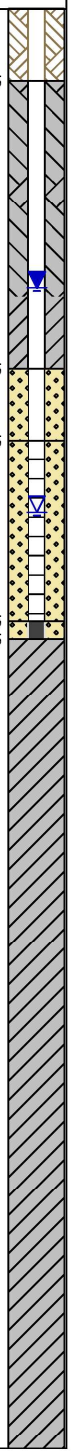
Boring Start Date: 9/28/2022 Northing (State Plane): 270276.85
Boring End Date: 9/29/2022 Easting (State Pane): 2727035.44

Nearest Ground Elevation at Time of Drilling: 612.25 ft-msl
Top of PVC Well Casing Datum Elevation: 614.98 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 598.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 604.50 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)
	S	SAND, silty, dry, loose, non-plastic, no visible bedding, brown, with roots.	608.3									
5	U	CLAY, silty, shaley, trace sand, dry, hard, non-plastic to plastic in intervals when moistened, no visible bedding, brown and very dark brown with pinkish red mottling, with iron staining. CH		4.5		74	13.0		51	19	32	
	U	- becomes light gray and brown with increased silt content below 9.0'.										
10	U	ML	601.3	4.5	Kv	89.4	16.6	116.0	28	25	3	Kv $1.1x10^{-7}$
	U	SILT, clayey, shaley, dry, hard, non-plastic to plastic in intervals when moistened, no visible bedding, brown and very dark brown with pinkish red mottling, with iron staining.	599.3	4.5								
	C	SHALE, silty, dry, hard, non-plastic when moistened, laminated, dark gray and black with brown mottling, fractured in intervals, weathered.		4.5								
15	C	- becomes heavily fractured and wet in intervlas from 14.0' to 17.0'.										
	C	- high angle slickenside at 17.0'.	595.3	4.5								
20	C	- becomes calcareous below 20.0'.		4.5								
	C	- high angle fracture at 24.0'.										
25	C	- high angle slickenside at 26.5'.	585.3									
	C	SHALE, silty, dry, hard, non-plastic when moistened, laminated, light gray, calcareous, fractured.		4.5								
		- vertical fracture at 29.0'.										
30	C	- high angle fracture at 30.5'.		4.5								
35	C	- high angle slickenside at 34.5'.										

Groundwater Piezometer Construction Detail



MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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Weaver Consultants Group

LOG OF BORING MW-14 (PWCG-6)

Project Title: Muskogee RDF - 2022 Subsurface Investigation

Project No: 0086-364-11-19-08

Supervising Geologist: Aaron K. Evans, P.G.
Logging Geologist: DCS & CGM
Drilling Firm: Envirotech

Boring Start Date: 9/28/2022 Northing (State Plane): 270276.85
Boring End Date: 9/29/2022 Easting (State Pane): 2727035.44

Nearest Ground Elevation at Time of Drilling: 612.25 ft-msl
Top of PVC Well Casing Datum Elevation: 614.98 ft-msl
▽ = Uppermost Saturated Zone at Time of Drilling: 598.3 ft-msl
▼ = Static Potentiometric Surface Elevation: 604.50 ft-msl

Remarks: Borehole advanced and continuously sampled via hollow stem auger and air rotary methods. Borehole reamed to 6.25-inch inner diameter prior to installing piezometer. Static groundwater elevation gauged on 10/05/2022.

Depth (ft)	Sample Type and Interval	Graphic Log	Description	FT MSL	Hand Penetrometer Test (tsf)	Penetration Blows/6-inches	Percent Passing No. 200	Percent Moisture Content	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Groundwater Piezometer Construction Detail
	C		- low angle fracture at 42.5'.	567.3	4.5									567.25
45			Total Borehole Depth = 45'.											
50														
55														
60														
65														
70														
75														

MUSKOGEE - 2022 PIEZO LOG MUSKOGEE - PERMIT (REMOTE).GPJ WCG FTW - MASTER GINT TEMPLATE (REMOTE).GDT 4/10/23

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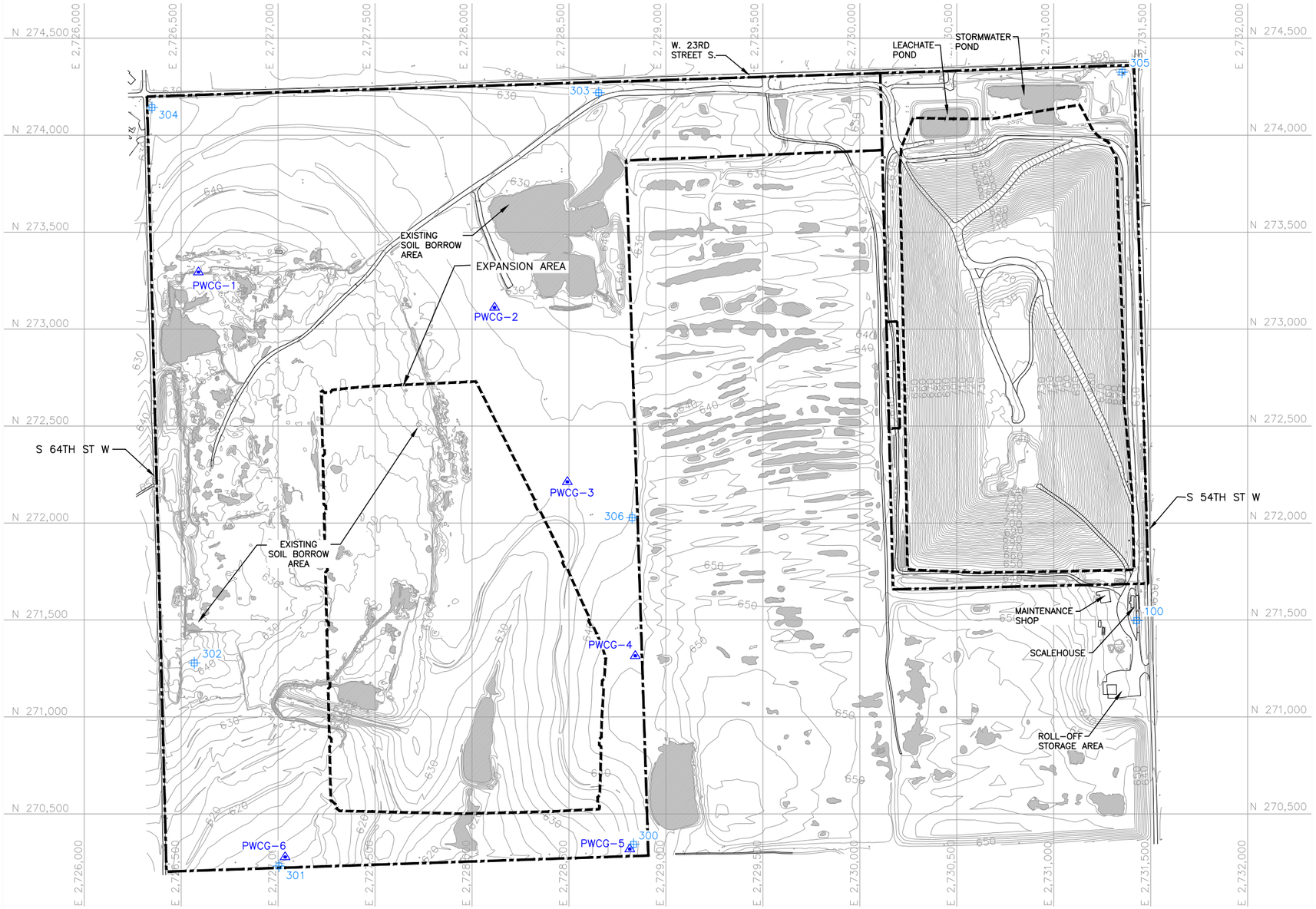
ATTACHMENT E-6

SURVEYOR'S PIEZOMETER AS-BUILT REPORT

Includes page E-6-1



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- PERMITTED LIMITS OF WASTE
- N 273500 — STATE PLANE COORDINATE SYSTEM
- 650 — EXISTING CONTOUR
- 301 — CONTROL POINT (NOTE 4)
- PWCG-1 — SURVEYED PIEZOMETER LOCATION (NOTE 4)

N

0 300 600
SCALE IN FEET

Well ID	Northing	Latitude (N)	Easting	Longitude (W)	Elevation	Description
PWCG-1	273290.71	35.72336158°	2726588.27	95.44579599°	629.83	NEAREST GROUND
	273292.21	35.72336571°	2726588.23	95.44579599°	630.36	PAD MONUMENT
	273293.55	35.72336931°	2726589.37	95.44579202°	633.48	TOP OF COVER
	273293.51	35.72336921°	2726589.29	95.4457923°	633.17	TOP OF CASING
PWCG-2	273108.67	35.72275129°	2728116.43	95.44066573°	633.82	NEAREST GROUND
	273110.03	35.72275506°	2728115.99	95.44066711°	634.04	PAD MONUMENT
	273111.56	35.72275923°	2728116.50	95.44066526°	637.05	TOP OF COVER
	273111.48	35.72275900°	2728116.49	95.4406653°	636.73	TOP OF CASING
PWCG-3	272210.14	35.72025673°	2728490.06	95.4394872°	635.32	NEAREST GROUND
	272211.72	35.72026102°	2728490.56	95.43948537°	635.67	PAD MONUMENT
	272212.79	35.72026388°	2728491.56	95.43948191°	638.79	TOP OF COVER
	272212.77	35.72026384°	2728491.48	95.43948216°	638.48	TOP OF CASING
PWCG-4	271312.58	35.71776640°	2728841.50	95.43838333°	642.76	NEAREST GROUND
	271314.23	35.71777096°	2728841.24	95.43838408°	643.07	PAD MONUMENT
	271315.34	35.71777395°	2728842.01	95.43838137°	645.93	TOP OF COVER
	271315.27	35.71777377°	2728841.94	95.43838161°	645.57	TOP OF CASING
PWCG-5	270315.95	35.71503166°	2728811.26	95.4385736°	637.71	NEAREST GROUND
	270317.61	35.71503615°	2728811.89	95.43857135°	638.18	PAD MONUMENT
	270318.41	35.71503829°	2728812.74	95.4385684°	640.93	TOP OF COVER
	270318.50	35.71503854°	2728812.74	95.43856841°	640.70	TOP OF CASING
PWCG-6	270275.10	35.71504789°	2727034.81	95.44455918°	612.25	NEAREST GROUND
	270276.85	35.71505264°	2727035.44	95.44455688°	612.70	PAD MONUMENT
	270277.79	35.71505515°	2727036.41	95.44455354°	615.35	TOP OF COVER
	270277.72	35.71505497°	2727036.31	95.44455388°	614.98	TOP OF CASING

SURVEYOR CERTIFICATION

THAT I, MICHAEL D. BYTNER, LS NO. 1986, A PROFESSIONAL LAND SURVEYOR BY THE STATE OF OKLAHOMA, AFFIRM THAT THIS DOCUMENT AND DATA DEPICTED HEREIN IS BASED UPON A FIELD SURVEY ON OCTOBER 19, 2022 PERFORMED UNDER MY DIRECT SUPERVISION.

THIS, NOVEMBER 8, 2022

MICHAEL D. BYTNER, LS #1986
WEAVER CONSULTANTS GROUP, LLC
35 E. WACKER DRIVE, STE 1250
CHICAGO, IL 60601 817-735-9770
OKPELS SURVEY FIRM NO. 3804

LICENSED PROFESSIONAL LAND SURVEYOR
MICHAEL D. BYTNER
1986
OKLAHOMA

NOTES:

1. EXISTING CONTOURS AND ELEVATIONS PROVIDED BY AIR MAPS OF ARKANSAS, LLC FROM AERIAL PHOTOGRAPHY FLOWN 01-24-2022.
2. SITE LAYOUT INCLUDING, PROPERTY BOUNDARY, PERMIT BOUNDARY, AND PERMITTED LIMITS OF WASTE WERE REPRODUCED FROM DRAWINGS INCLUDED IN THE MUSKOGEE COMMUNITY RDF AIRSPACE REPORT, PREPARED BY WASTE MANAGEMENT OF OKLAHOMA, INC.
3. GEODETIC COORDINATES SHOWN HEREON RELATIVE TO WGS84. COORDINATES SHOWN HEREON ARE A LOCAL SITE DERIVATION FROM THE OKLAHOMA COORDINATE SYSTEM OF 1983, NORTH AMERICAN DATUM OF 1983 (NAD83), NORTH ZONE IN U.S. SURVEY FEET, AND DETERMINED TO BE INCONSISTENT WITH GRID VALUES OF KNOWN NAD83 ADJUSTMENTS AS EVIDENCED BY EXISTING LOCAL SITE CONTROL PROVIDED TO WEAVER CONSULTANTS GROUP, LLC (WCG). ELEVATIONS SHOWN HEREON ARE RELATIVE TO A LOCAL SITE VERTICAL DATUM AS EVIDENCED BY EXISTING SITE CONTROL PROVIDED TO AND RECOVERED BY WCG.
4. CONTROL POINTS 300-306 SHOWN HEREON (AT RIGHT) SET BY WCG ON OCTOBER 19, 2022. PIEZOMETERS SHOWN HEREON (TOP RIGHT) LOCATED DURING FIELD SURVEY ON OCTOBER 19, 2022.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	271495.96	2731428.573	634.83	SET MAGNAIL NEAR SCALE
300	270343.28	2728853.62	638.97	1/2" RW WITH RED CAP "WCG"
301	270232.00	2727308.91	612.73	1/2" RW WITH RED CAP "WCG"
302	271278.11	2726567.96	642.74	1/2" RW WITH RED CAP "WCG"
303	274219.06	2728653.24	626.92	1/2" RW WITH RED CAP "WCG"
304	274342.87	2726349.73	630.25	1/2" RW WITH RED CAP "WCG"
305	274325.27	2731352.45	622.59	1/2" RW WITH RED CAP "WCG"
306	272027.50	2728825.41	637.69	1/2" RW WITH RED CAP "WCG"

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☐ DRAFT
☒ FOR PERMITTING PURPOSES
☐ ISSUED FOR CONSTRUCTION

DATE: 11/02/2022
FILE: 0086-364-11-19
CAD: PIEZO AS-BUILT.dwg

DRAWN BY: TJM
DESIGN BY:
REVIEWED BY: AJW,MDB

Weaver Consultants Group
OKPELS SURVEY FIRM NO. 3804

PREPARED FOR
WASTE MANAGEMENT OF OKLAHOMA, INC.

REVISIONS

NO.	DATE	DESCRIPTION

PIEZOMETER AS-BUILT SURVEY REPORT

MUSKOGEE COMMUNITY RDF
MUSKOGEE COUNTY, OKLAHOMA

WWW.WCGRP.COM

DRAWING 1

P:\SBI Survey\Projects\0086-364-11-19 Muskogee, OK Landfill Permit Boundary\2.0 Drawings\2.1 CAD\PIEZO AS-BUILT.dwg, 11/8/2022 11:51:59 AM

ATTACHMENT E-7

DRILLING PLAN APPROVAL LETTER

Includes page E-7-1

Scott A. Thompson
Executive Director

OKLAHOMA Environmental Quality

Kevin Stitt
Governor

August 11, 2022

Mr. Pete Schultze
Waste Management, Inc.
2801 S. 54th St.
Muskogee, OK 74401

Re: Drilling Plan for Proposed 70-Acre Landfill Expansion
Muskogee Community Recycling & Disposal Facility (Permit No. 3551020)
Muskogee County, OK

Dear Mr. Schultze:

The Oklahoma Department of Environmental Quality (DEQ) received the Drilling Plan for a Proposed 70-Acre Landfill Expansion for the Muskogee Community Recycling & Disposal Facility (RDF). The Drilling Plan, dated July 20, 2022, was submitted by Weaver Consultants Group, LLC. The Drilling Plan was subsequently revised and resubmitted in its entirety via email on August 1, 2022, to correct language on the cover page and Figure A-10.

The Plan describes a subsurface investigation that will characterize a proposed permit boundary expansion and 70-acre waste disposal area to the west of the current landfill area. The Plan proposes to install 19 borings in the expansion area, 6 of which will be converted into piezometers for monthly groundwater level monitoring.

One borehole will be advanced 100 feet below ground surface, and the remainder of the boreholes will be advanced at least 30 feet below the deepest placement of waste. Additionally, all boreholes are proposed to be drilled at least 10 feet below the top of the saturated zone. The six (6) boreholes that will be converted into piezometers, and the 100-foot-deep boring, will be logged using geophysical tools.

In accordance with OAC 252:515-7-3, construction and plugging of all borings and piezometers must comply with Oklahoma Water Resources Board (OWRB) regulations at OAC 785:35. All data collected during the subsurface investigation, as required by OAC 252:515-7, Part 3, and a groundwater study completed in accordance with OAC 252:515-7, Part 5, must be incorporated into the application for a Tier III permit modification application for a permit boundary expansion.

The Revised Drilling Plan is accepted. DEQ has been notified that drilling is anticipated to begin in early September. Please keep DEQ updated of any schedule changes. Should you have any questions regarding this letter, please contact Jeff Biddick at (405) 702-5141 or jeff.biddick@deq.ok.gov.

Sincerely,

Hillary Young

Hillary Young, P.E.
Chief Engineer
Land Protection Division

HY/jb

cc: Jonathan V. Queen, Weaver Consultants Group, LLC