

Appendix B-1

Core Analysis Report for OG&E Injection Well No. 1 (WDW-1)

Omni Laboratories, 2002

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma



FILE NO.: H-3365
ANALYST: Huseeth/Capper
DATE: 12-Jun-00
CORE: Baker

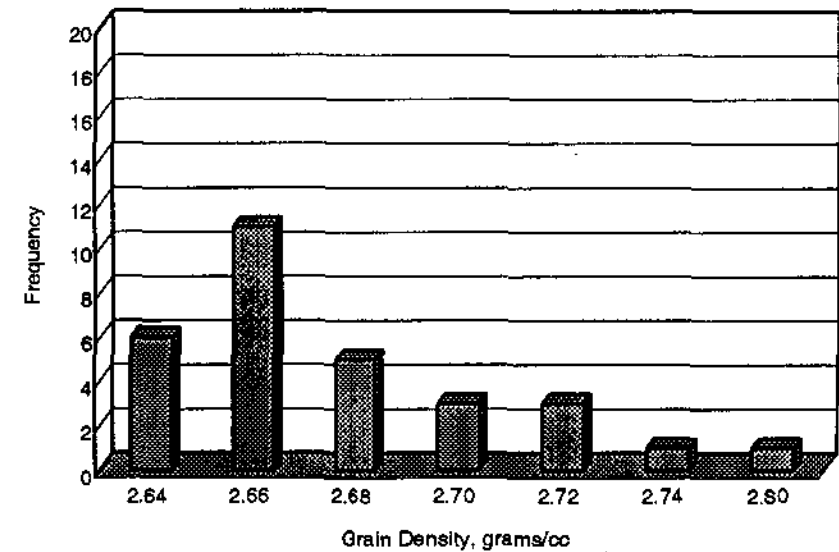
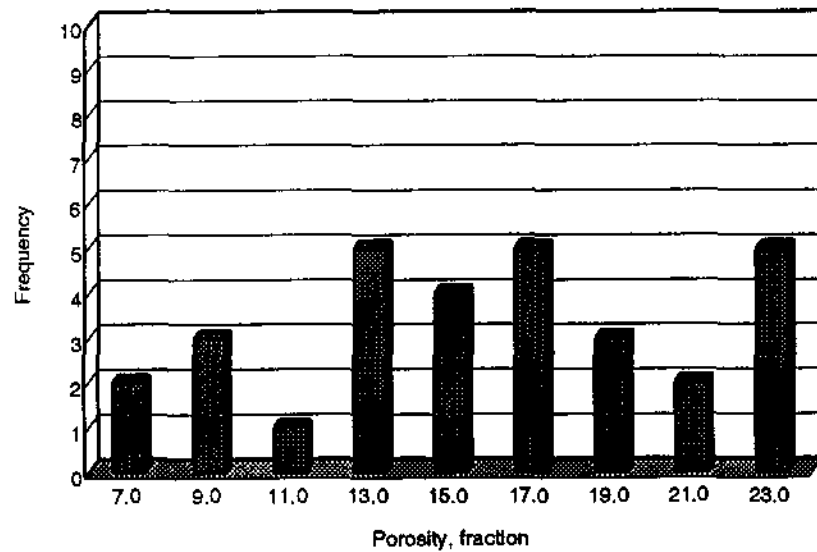
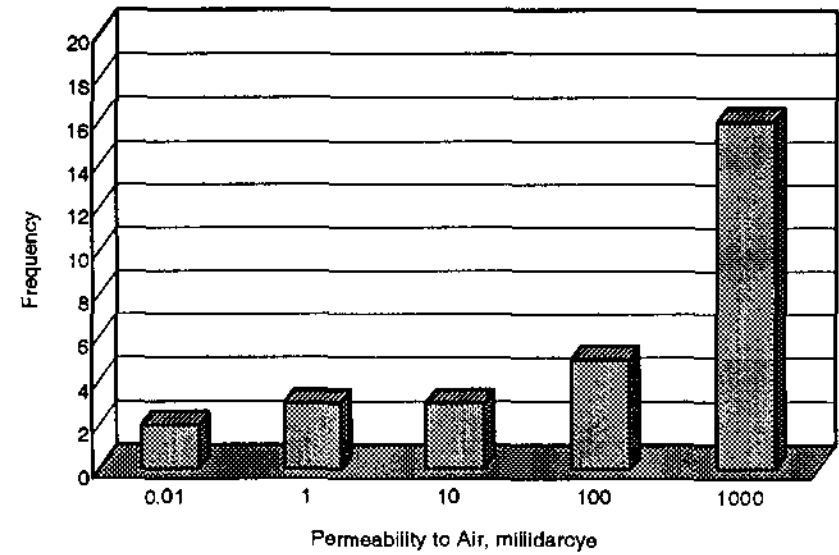
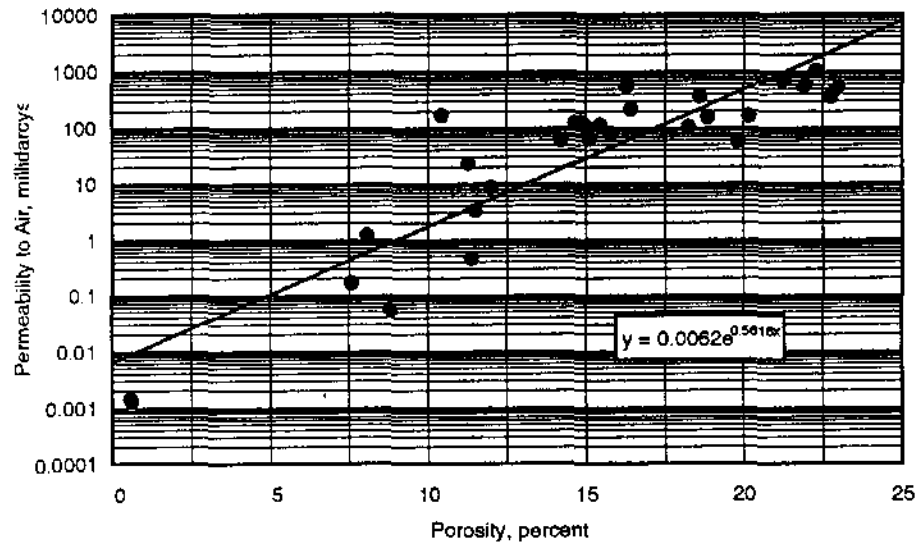
ROUTINE CORE ANALYSIS RESULTS

Core Number	Sample Number	Sample Depth, feet	Net Confining Stress, psi	Permeability, millidarcys 400 psi		Helium Porosity %	Grain Density gm/cc	Lithological Description
				to Air	Klinkenberg			
1	1-1	3922.30	1300	0.164	0.103	7.6	2.67	Ss f-vfg
1	1-2	3928.30	1300	166.	150.	10.5	2.68	Ss f-vfg
1	1-3	3938.10	1300	1.19	0.905	8.1	2.68	Ss f-vfg lam mot scalc
1	1-4	3946.35	1300		*	12.5	2.69	Ss f-vfg lam frac
1	1-5	3958.20	1300	0.055	0.029	8.8	2.79	Ls fxln intxl
1	1-6	3966.30	1300	0.454	0.326	11.4	2.71	Ss f-vfg
2	2-1	4563.00	1500	363.	337.	18.6	2.67	Ss f-vfg scalc
2	QL	4571.30	1500	998.	949.	22.3	2.65	Ss mg
2	2-2	4571.45	1500	553.	519.	21.9	2.65	Ss f-vfg scalc
2	2-3	4575.00	1500	676.	637.	21.2	2.65	Ss f-vfg scalc
2	2-4	4580.20	1500	8.48	6.74	12.0	2.70	Ss f-vfg scalc
2	2-5	4604.40	1500	0.0013	0.0002	0.6	2.71	Ls fxln intxl mot
2	2-6	4615.15	1500	0.0014	0.0003	0.6	2.74	Ls fxln intxl
3	3-1	4793.00	1600	104.	92.5	18.3	2.65	Ss f-vfg scalc
3	3-2	4808.00	1600	56.4	48.8	19.8	2.65	Ss f-vfg scalc
3	3-3	4818.00	1600	161.	146.	20.2	2.65	Ss f-vfg scalc
3	3-4	4819.95	1600	493.	461.	23.0	2.64	Ss f-vfg scalc
3	3-5	4827.65	1600	351.	325.	22.8	2.64	Ss f-vfg scalc
4	4-1	6140.00	1980	120.	107.	14.7	2.65	Ss f-vfg scalc
4	4-2	6143.00	1980	129.	116.	14.8	2.66	Ss f-vfg scalc
4	4-3	6158.00	1980	152.	137.	18.9	2.64	Ss f-vfg scalc
4	4-4	6165.00	1980	546.	512.	16.3	2.67	Ss f-vfg scalc
5	5-1	6418.10	2050	3.27	2.53	11.5	2.65	Ss f-vfg lam
5	5-2	6421.00	2050	22.5	18.7	11.3	2.66	Ss f-vfg scalc
5	5-3	6428.00	2050	63.2	55.0	15.1	2.63	Ss f-vfg scalc
5	QL	6432.30	2050	79.1	69.5	15.8	2.66	Ss m-fg
5	5-4	6432.45	2050	111.	99.0	15.5	2.66	Ss f-vfg scalc
5	5-5	6445.00	2050	215.	196.	16.5	2.63	Ss f-vfg scalc
5	5-6	6454.00	2050	112.	100.	15.0	2.64	Ss f-vfg
5	5-7	6466.00	2050	60.1	52.2	14.2	2.64	Ss f-vfg

* Fractured sample, ambient porosity reported

Duke Energy McClain, LLC
WDW-1

New Castle Power Plant
File: H-3365



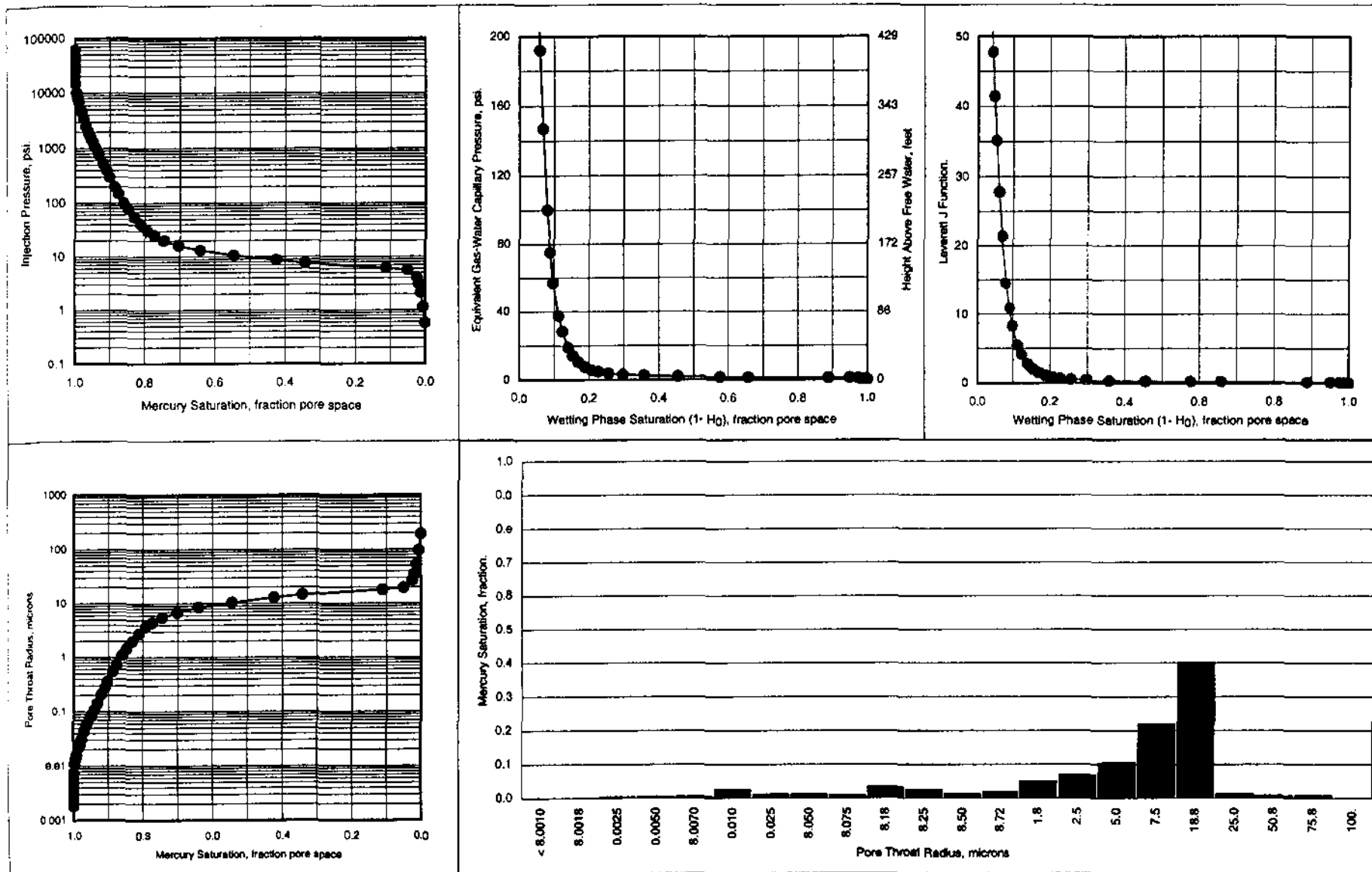


MERCURY INJECTION CAPILLARY PRESSURE

6-28-00

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample Number: 4571
Depth, feet: 4571.3
Permeability to Air (calc), md: 462.
Porosity, fraction: 0.212



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Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample Number: 4571
Depth, feet: 4571.3
Permeability to Air (calc), md: 462.
Porosity, fraction: 0.212

Injection Pressure, psia	Mercury Saturation, fraction	1.0-Mercury Saturation, fraction	Pore Radius, microns	J Function	Other Laboratory Systems			Estimated Height Above Free Water, ft	
					Gas-Water, psia	Gas-Oil, psia	Oil-Water, psia	G-W	O-W
0.57	0.000	1.000	191.63	0.02	0.11	0.04	0.05	0.23	0.38
1.14	0.007	0.993	95.82	0.03	0.21	0.07	0.09	0.46	0.76
2.11	0.013	0.987	51.77	0.06	0.40	0.14	0.17	0.85	1.41
3.13	0.019	0.981	34.90	0.09	0.59	0.20	0.26	1.26	2.10
4.11	0.024	0.976	26.58	0.11	0.77	0.27	0.34	1.66	2.75
5.61	0.050	0.950	19.47	0.15	1.06	0.36	0.46	2.27	3.76
6.11	0.111	0.889	17.88	0.17	1.15	0.39	0.50	2.47	4.09
7.58	0.342	0.658	14.41	0.21	1.43	0.49	0.62	3.06	5.08
8.58	0.424	0.576	12.73	0.23	1.62	0.55	0.70	3.47	5.75
10.6	0.544	0.456	10.32	0.29	1.99	0.68	0.86	4.28	7.09
13.1	0.641	0.359	8.37	0.36	2.46	0.84	1.06	5.27	8.74
16.1	0.702	0.298	6.80	0.44	3.03	1.04	1.31	6.49	10.8
20.0	0.744	0.256	5.45	0.55	3.77	1.29	1.63	8.09	13.4
25.0	0.773	0.227	4.37	0.68	4.71	1.62	2.04	10.1	16.8
30.0	0.793	0.207	3.64	0.82	5.65	1.94	2.45	12.1	20.1
40.2	0.811	0.189	2.72	1.10	7.57	2.60	3.28	16.2	26.9
55.2	0.831	0.169	1.98	1.51	10.4	3.57	4.51	22.3	37.0
75.0	0.847	0.153	1.46	2.05	14.1	4.85	6.12	30.2	50.3
100	0.860	0.140	1.09	2.73	18.9	6.47	8.17	40.5	67.0
150	0.876	0.124	0.728	4.09	28.3	9.69	12.2	60.7	100.
200	0.887	0.113	0.547	5.44	37.6	12.9	16.3	80.7	134.
302	0.902	0.098	0.361	8.24	57.0	19.5	24.7	122.	203.
398	0.910	0.090	0.274	10.85	75.0	25.7	32.5	161.	267.
531	0.920	0.080	0.206	14.48	100.	34.3	43.3	215.	356.
783	0.932	0.068	0.140	21.33	147.	50.5	63.8	315.	524.
1020	0.942	0.058	0.107	27.81	192.	65.9	83.2	412.	683.
1290	0.949	0.051	0.085	35.17	243.	83.3	105.	521.	862.
1520	0.955	0.045	0.072	41.44	286.	98.2	124.	613.	1020.
1750	0.959	0.041	0.062	47.71	330.	113.	143.	708.	1170.
2010	0.963	0.037	0.054	54.79	379.	130.	164.	810.	1350.
2540	0.969	0.031	0.043	69.24	479.	164.	207.	1030.	1700.
3500	0.976	0.024	0.031	95.41	659.	226.	286.	1410.	2350.
4530	0.981	0.019	0.024	123.49	853.	293.	370.	1830.	3040.
4980	0.984	0.016	0.022	135.76	938.	322.	406.	2010.	3330.
6970	0.990	0.010	0.016	190.01	1313.	450.	569.	2820.	4670.
7960	0.992	0.008	0.014	217.00	1500.	514.	649.	3220.	5330.
10000	0.996	0.004	0.011	272.61	1884.	646.	820.	4040.	6700.
14900	0.999	0.001	0.0073	406.18	2810.	960.	1220.	6030.	10000.
20000	1.000	0.000	0.0055	545.21	3770.	1290.	1630.	8100.	13400.
24900	1.000	0.000	0.0044	678.79	4690.	1610.	2030.	10100.	16700.
29900	1.000	0.000	0.0037	815.10	5630.	1930.	2440.	12100.	20000.
35000	1.000	0.000	0.0031	954.12	6590.	2260.	2860.	14100.	23500.
40000	1.000	0.000	0.0027	1090.43	7540.	2580.	3260.	16200.	26800.
44900	1.000	0.000	0.0024	1224.01	8460.	2900.	3660.	18100.	30000.
49800	1.000	0.000	0.0022	1357.58	9400.	3220.	4060.	20200.	33300.
59900	1.000	0.000	0.0018	1632.92	11300.	3870.	4890.	24200.	40100.

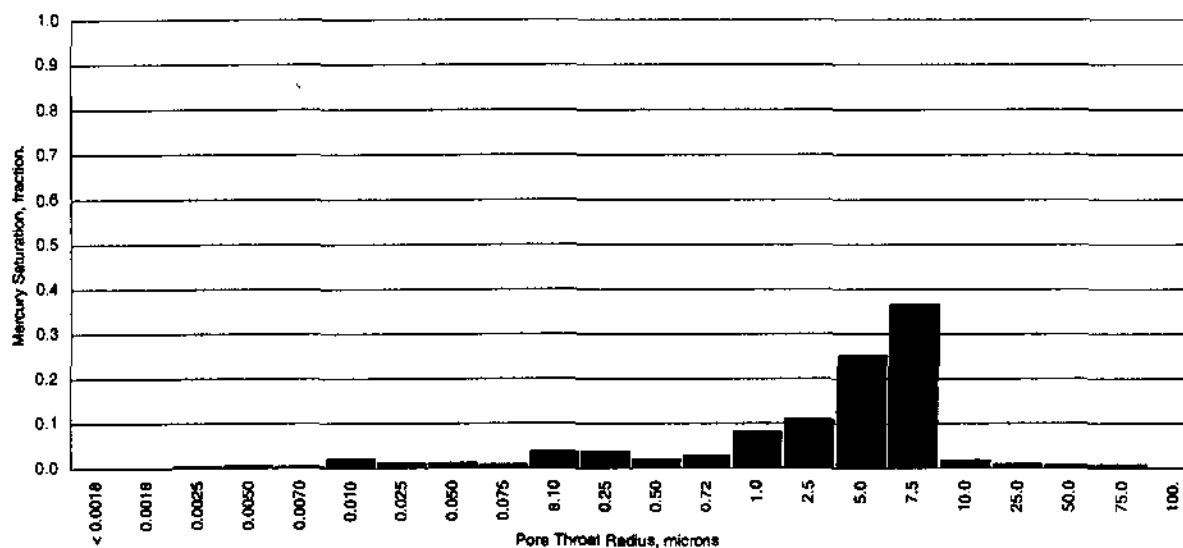
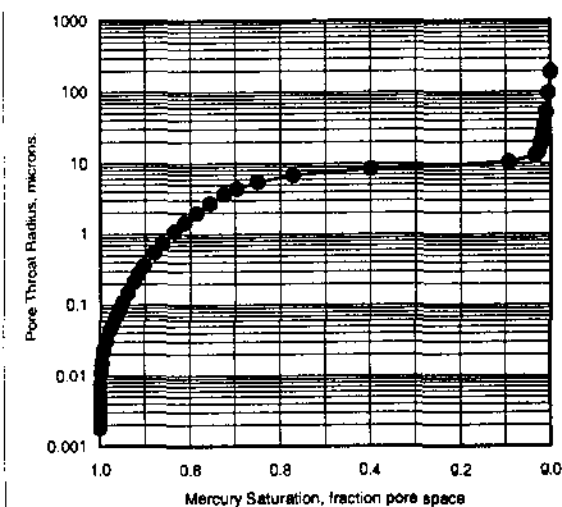
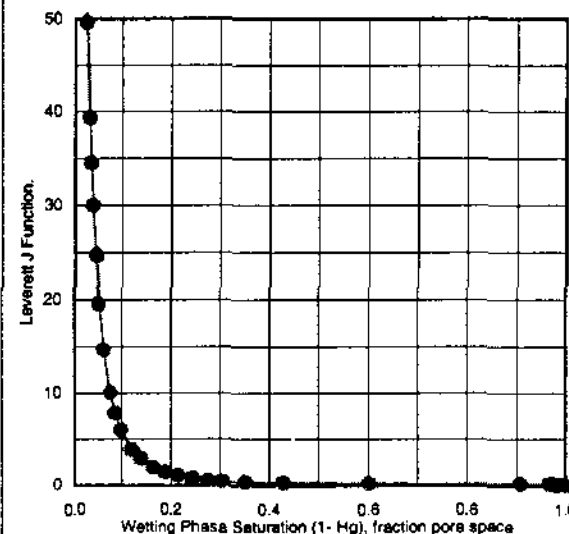
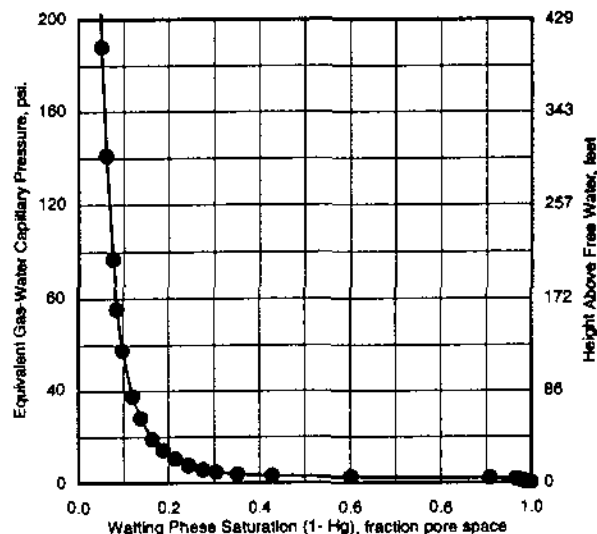
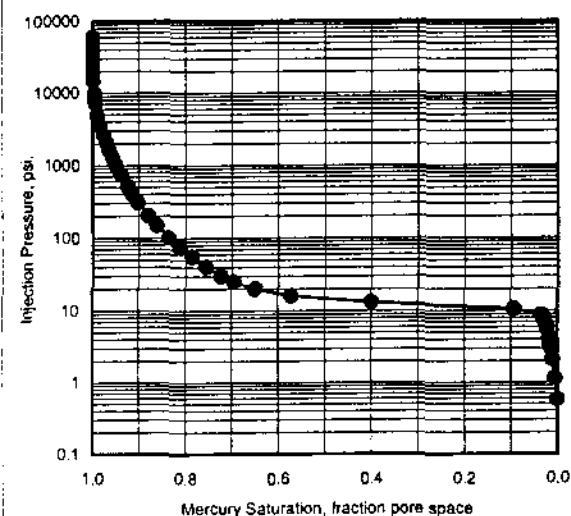


MERCURY INJECTION CAPILLARY PRESSURE

6-28-00

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample Number: 4818
Depth, feet: 4818.0
Permeability to Air (calc), md: 226.
Porosity, fraction: 0.201





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File: H-3356

Sample Number: 4818
Depth, feet: 4818.0
Permeability to Air (calc), md: 226.
Porosity, fraction: 0.201

Injection Pressure, psia	Mercury Saturation, fraction	1.0-Mercury Saturation, fraction	Pore Radius, microns	J Function	Other Laboratory Systems			Estimated Height Above Free Water, ft	
					Gas-Water, psia	Gas-Oil, psia	Oil-Water, psia	G-W	O-W
0.57	0.000	1.000	191.63	0.01	0.11	0.04	0.05	0.23	0.38
1.14	0.006	0.994	95.82	0.02	0.21	0.07	0.09	0.46	0.76
2.11	0.011	0.989	51.77	0.04	0.40	0.14	0.17	0.85	1.41
3.13	0.015	0.985	34.90	0.06	0.59	0.20	0.26	1.26	2.10
4.11	0.018	0.982	26.58	0.08	0.77	0.27	0.34	1.66	2.75
5.61	0.022	0.978	19.47	0.11	1.06	0.36	0.46	2.27	3.76
6.11	0.023	0.977	17.88	0.12	1.15	0.39	0.50	2.47	4.09
7.58	0.028	0.972	14.41	0.15	1.43	0.49	0.62	3.06	5.08
8.58	0.034	0.966	12.73	0.17	1.62	0.55	0.70	3.47	5.75
10.6	0.092	0.908	10.32	0.21	1.99	0.68	0.86	4.28	7.09
13.1	0.399	0.601	8.37	0.26	2.46	0.84	1.06	5.27	8.74
16.1	0.571	0.429	6.80	0.31	3.03	1.04	1.31	6.49	10.8
20.0	0.649	0.351	5.45	0.39	3.77	1.29	1.63	8.09	13.4
25.0	0.696	0.304	4.37	0.49	4.71	1.62	2.04	10.1	16.8
30.0	0.724	0.276	3.64	0.59	5.65	1.94	2.45	12.1	20.1
40.3	0.756	0.244	2.71	0.79	7.60	2.60	3.29	16.3	27.0
55.3	0.785	0.215	1.97	1.08	10.4	3.57	4.51	22.3	37.1
74.7	0.812	0.188	1.46	1.46	14.1	4.83	6.10	30.2	50.1
99.9	0.835	0.165	1.09	1.96	18.8	6.45	8.15	40.3	66.9
149	0.862	0.138	0.732	2.92	28.1	9.64	12.2	60.3	100.
199	0.879	0.121	0.549	3.90	37.5	12.9	16.2	80.4	133.
306	0.902	0.098	0.357	5.99	57.6	19.8	25.0	124.	205.
400	0.914	0.086	0.273	7.84	75.4	25.9	32.7	162.	268.
514	0.924	0.076	0.213	10.07	96.8	33.2	41.9	208.	344.
749	0.939	0.061	0.146	14.66	141.	48.4	61.1	302.	502.
997	0.950	0.050	0.110	19.52	188.	64.4	81.3	403.	667.
1261	0.956	0.044	0.087	24.69	238.	81.4	103.	511.	846.
1529	0.963	0.037	0.071	29.95	288.	98.8	125.	618.	1030.
1761	0.966	0.034	0.062	34.49	332.	114.	144.	712.	1180.
2007	0.970	0.030	0.054	39.31	378.	130.	164.	810.	1350.
2532	0.976	0.024	0.043	49.60	477.	164.	207.	1020.	1700.
3500	0.984	0.016	0.031	68.55	659.	226.	286.	1410.	2350.
4522	0.989	0.011	0.024	88.56	852.	292.	369.	1830.	3030.
4986	0.990	0.010	0.022	97.65	939.	322.	407.	2010.	3340.
6980	0.994	0.006	0.016	136.71	1315.	451.	569.	2820.	4670.
7968	0.995	0.005	0.014	156.06	1501.	515.	650.	3220.	5340.
9970	0.996	0.004	0.011	195.27	1878.	644.	810.	4030.	6650.
14935	0.999	0.001	0.0073	292.50	2810.	960.	1220.	6030.	10020.
19925	1.000	0.000	0.0055	390.24	3750.	1290.	1630.	8000.	13400.
24886	1.000	0.000	0.0044	487.40	4690.	1610.	2030.	10100.	16700.
29891	1.000	0.000	0.0037	585.43	5630.	1930.	2440.	12100.	20000.
34874	1.000	0.000	0.0031	683.02	6570.	2250.	2850.	14100.	23400.
39924	1.000	0.000	0.0027	781.93	7520.	2580.	3260.	16100.	26800.
44825	1.000	0.000	0.0024	877.92	8450.	2900.	3660.	18100.	30000.
49772	1.000	0.000	0.0022	974.81	9380.	3220.	4060.	20100.	33300.
59863	1.000	0.000	0.0018	1172.44	11280.	3870.	4880.	24200.	40100.

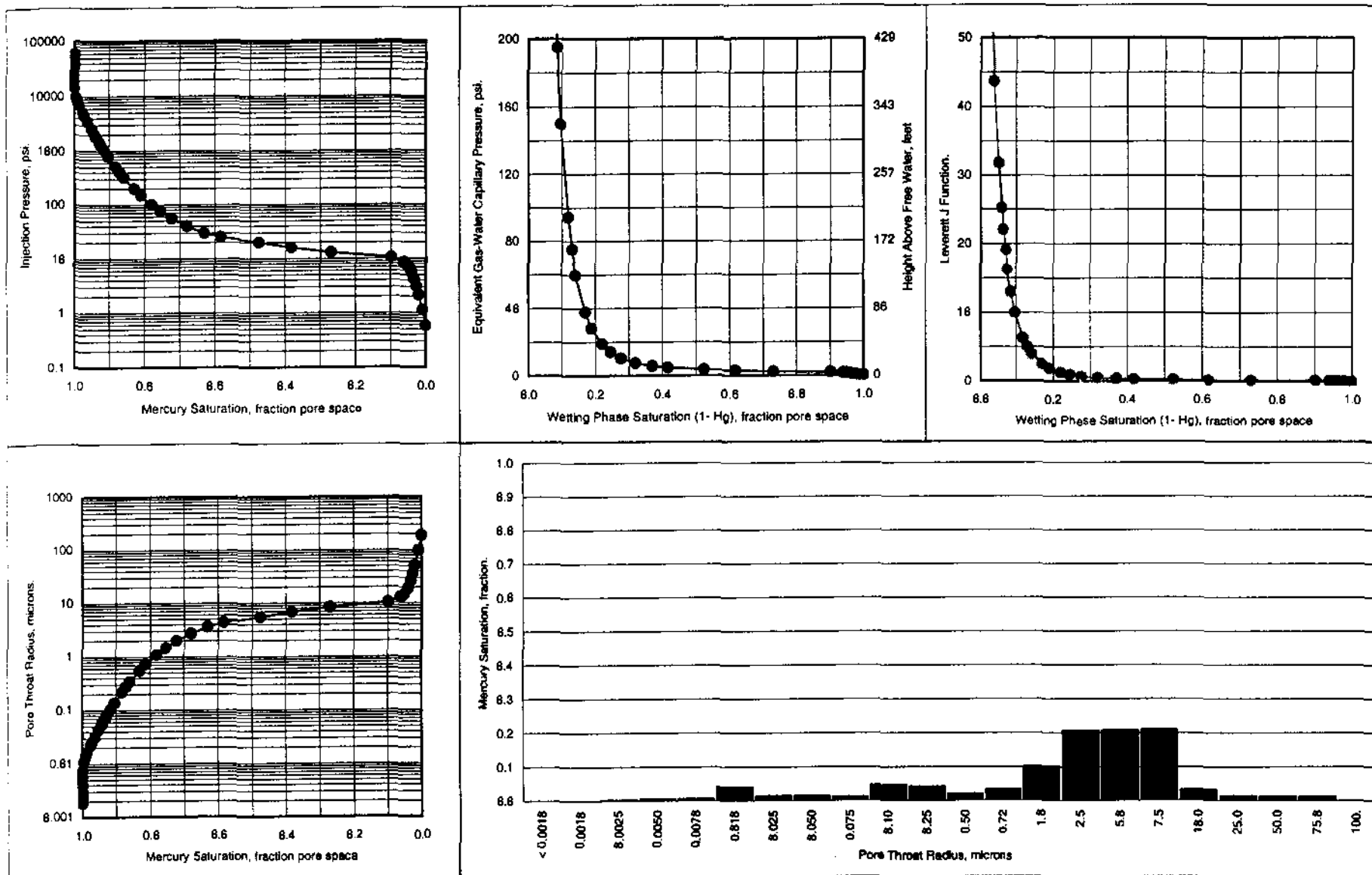


MERCURY INJECTION CAPILLARY PRESSURE

6-28-00

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample Number: 6143
Depth, feet: 6143.0
Permeability to Air (calc), md: 67.1
Porosity, fraction: 0.146



MERCURY INJECTION CAPILLARY PRESSURE

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample Number: 6143
Depth, feet: 6143.0
Permeability to Air (calc), md: 67.1
Porosity, fraction: 0.146

Injection Pressure, psia	Mercury Saturation, fraction	1.0-Mercury Saturation, fraction	Pore Radius, microns	J Function	Other Laboratory Systems			Estimated Height Above Free Water, ft	
					Gas-Water, psia	Gas-Oil, psia	Oil-Water, psia	G-W	O-W
0.58	0.000	1.000	188.33	0.01	0.11	0.04	0.05	0.23	0.39
1.12	0.009	0.991	97.53	0.01	0.21	0.07	0.09	0.45	0.75
2.14	0.020	0.980	51.04	0.03	0.40	0.14	0.17	0.86	1.43
3.11	0.026	0.974	35.12	0.04	0.59	0.20	0.25	1.26	2.08
4.13	0.032	0.968	26.45	0.05	0.78	0.27	0.34	1.67	2.77
5.61	0.040	0.960	19.47	0.07	1.06	0.36	0.46	2.27	3.76
6.10	0.042	0.958	17.91	0.08	1.15	0.39	0.50	2.47	4.09
7.58	0.052	0.948	14.41	0.09	1.43	0.49	0.62	3.06	5.08
8.57	0.062	0.938	12.75	0.11	1.61	0.55	0.70	3.46	5.74
10.6	0.099	0.901	10.33	0.13	1.99	0.68	0.86	4.27	7.08
13.1	0.270	0.730	8.37	0.16	2.46	0.84	1.06	5.27	8.74
16.1	0.383	0.617	6.81	0.20	3.02	1.04	1.31	6.49	10.8
20.0	0.476	0.524	5.46	0.25	3.77	1.29	1.63	8.09	13.4
25.0	0.583	0.417	4.37	0.31	4.71	1.62	2.04	10.1	16.8
30.0	0.630	0.370	3.64	0.38	5.65	1.94	2.45	12.1	20.1
40.2	0.680	0.320	2.72	0.50	7.57	2.60	3.28	16.2	26.9
55.2	0.723	0.277	1.98	0.69	10.4	3.56	4.50	22.3	37.0
75.4	0.755	0.245	1.45	0.94	14.2	4.87	6.15	30.5	50.5
99.9	0.779	0.221	1.09	1.25	18.8	6.46	8.15	40.3	66.9
149	0.811	0.189	0.731	1.87	28.2	9.65	12.2	60.5	100.
200	0.830	0.170	0.547	2.50	37.7	12.9	16.3	80.9	134.
317	0.859	0.141	0.345	3.97	59.7	20.5	25.9	128.	213.
400	0.870	0.130	0.273	5.01	75.4	25.8	32.6	162.	268.
501	0.882	0.118	0.218	6.28	94.4	32.4	40.9	202.	336.
796	0.903	0.097	0.137	9.97	150.	51.4	64.9	322.	533.
1037	0.915	0.085	0.105	12.98	195.	67.0	84.6	418.	695.
1296	0.925	0.075	0.084	16.22	244.	83.7	106.	523.	870.
1524	0.930	0.070	0.072	19.08	287.	98.4	124.	616.	1020.
1763	0.938	0.062	0.062	22.07	332.	114.	144.	712.	1180.
2011	0.942	0.058	0.054	25.18	379.	130.	164.	810.	1350.
2538	0.951	0.049	0.043	31.78	478.	164.	207.	1030.	1700.
3491	0.962	0.038	0.031	43.71	658.	225.	285.	1410.	2340.
4528	0.972	0.028	0.024	56.70	853.	292.	369.	1830.	3030.
4979	0.975	0.025	0.022	62.35	938.	322.	406.	2010.	3330.
6967	0.987	0.013	0.016	87.24	1313.	450.	568.	2820.	4660.
7974	0.990	0.010	0.014	99.85	1502.	515.	651.	3220.	5340.
9968	0.995	0.005	0.011	124.82	1878.	644.	810.	4030.	6650.
14932	0.999	0.001	0.0073	186.98	2810.	960.	1220.	6030.	10020.
19962	1.000	0.000	0.0055	249.96	3760.	1290.	1630.	8100.	13380.
24885	1.000	0.000	0.0044	311.62	4690.	1610.	2030.	10100.	16670.
29861	1.000	0.000	0.0037	373.93	5630.	1930.	2440.	12100.	20030.
34830	1.000	0.000	0.0031	436.15	6560.	2250.	2840.	14100.	23300.
39931	1.000	0.000	0.0027	500.03	7520.	2580.	3260.	16100.	26800.
44783	1.000	0.000	0.0024	560.78	8440.	2890.	3650.	18100.	30000.
49907	1.000	0.000	0.0022	624.94	9400.	3220.	4070.	20200.	33400.
59719	1.000	0.000	0.0018	747.82	11250.	3860.	4870.	24100.	40000.



6-28-00

SUMMARY OF MERCURY INJECTION TEST RESULTS

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant

McClain County, Oklahoma
File: H-3356

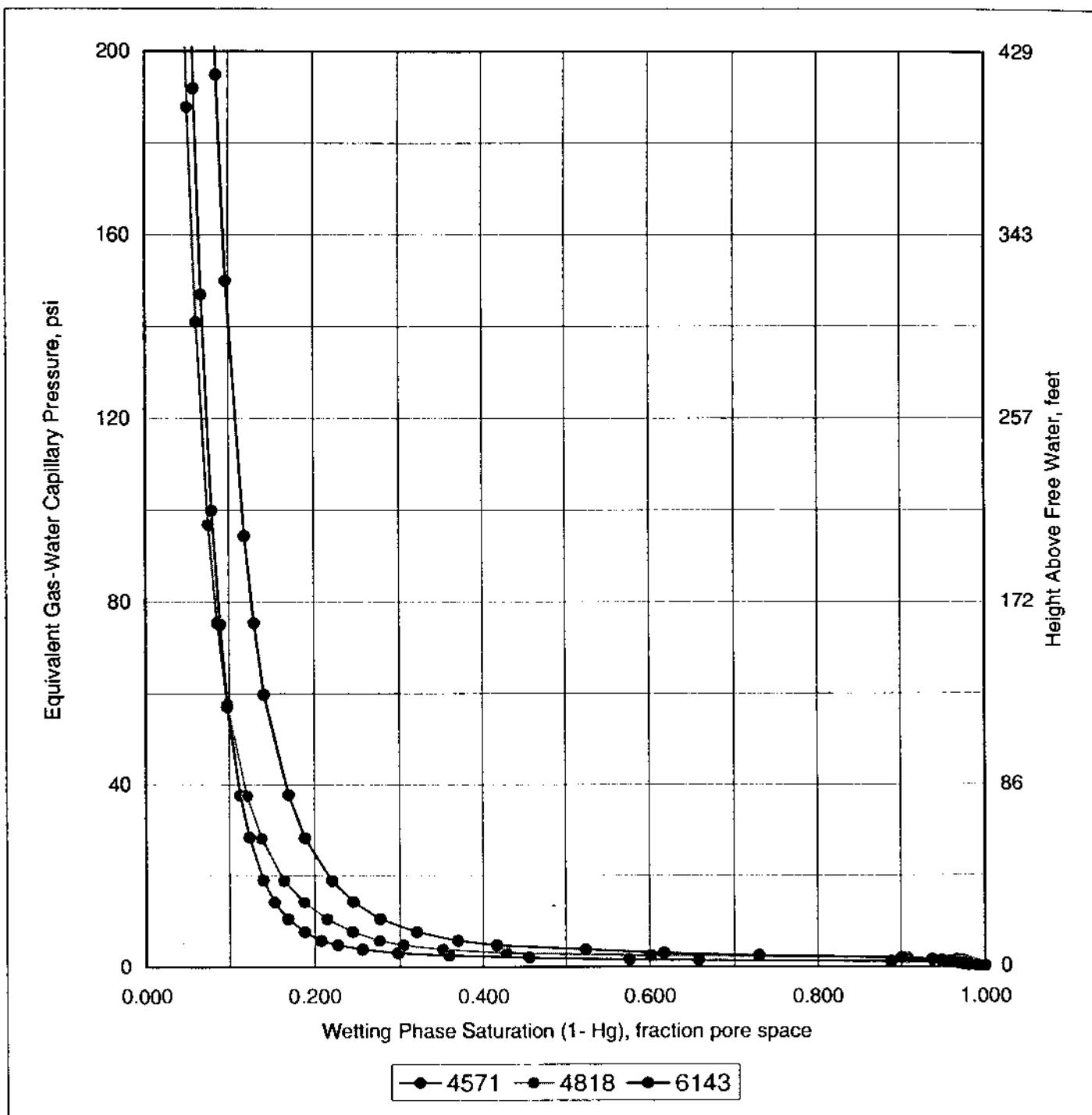
Sample Number	Sample Depth, feet	Permeability to Air*, millidarcys	Porosity, fraction	Median Pore Throat Radius, microns	Fluid Saturation at 200 psi Equivalent Gas-Water Capillary Pressure, fraction pore space
4571	4571.3	462.	0.212	11.20	0.057
4818	4818.0	226.	0.201	7.45	0.049
6143	6143.0	67.1	0.146	5.21	0.084

* Calculated from mercury injection data per SPE paper 8234

EQUIVALENT GAS - WATER CAPILLARY PRESSURE

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

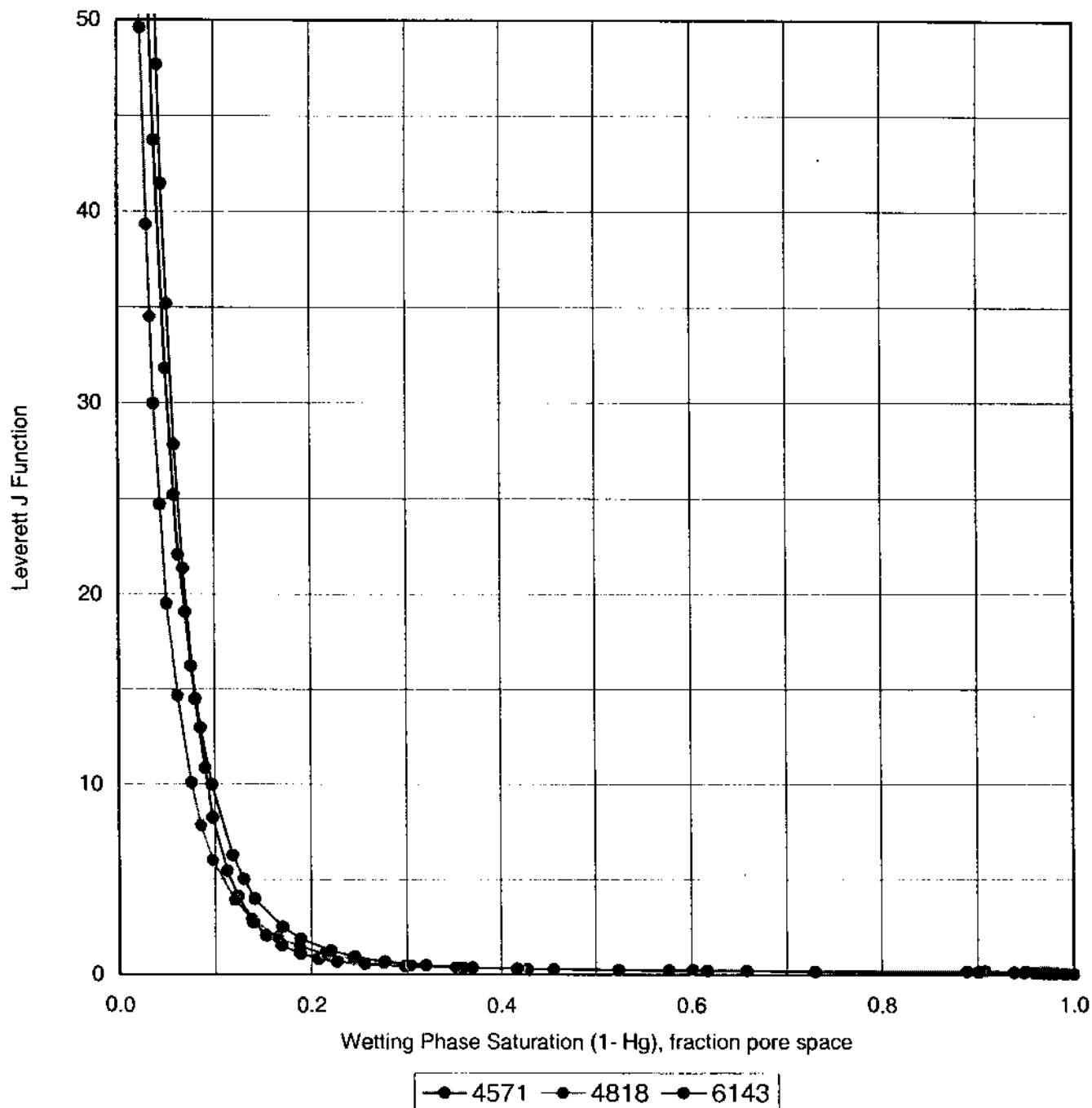
Sample No.: Composite of All Samples



LEVERETT J FUNCTION

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

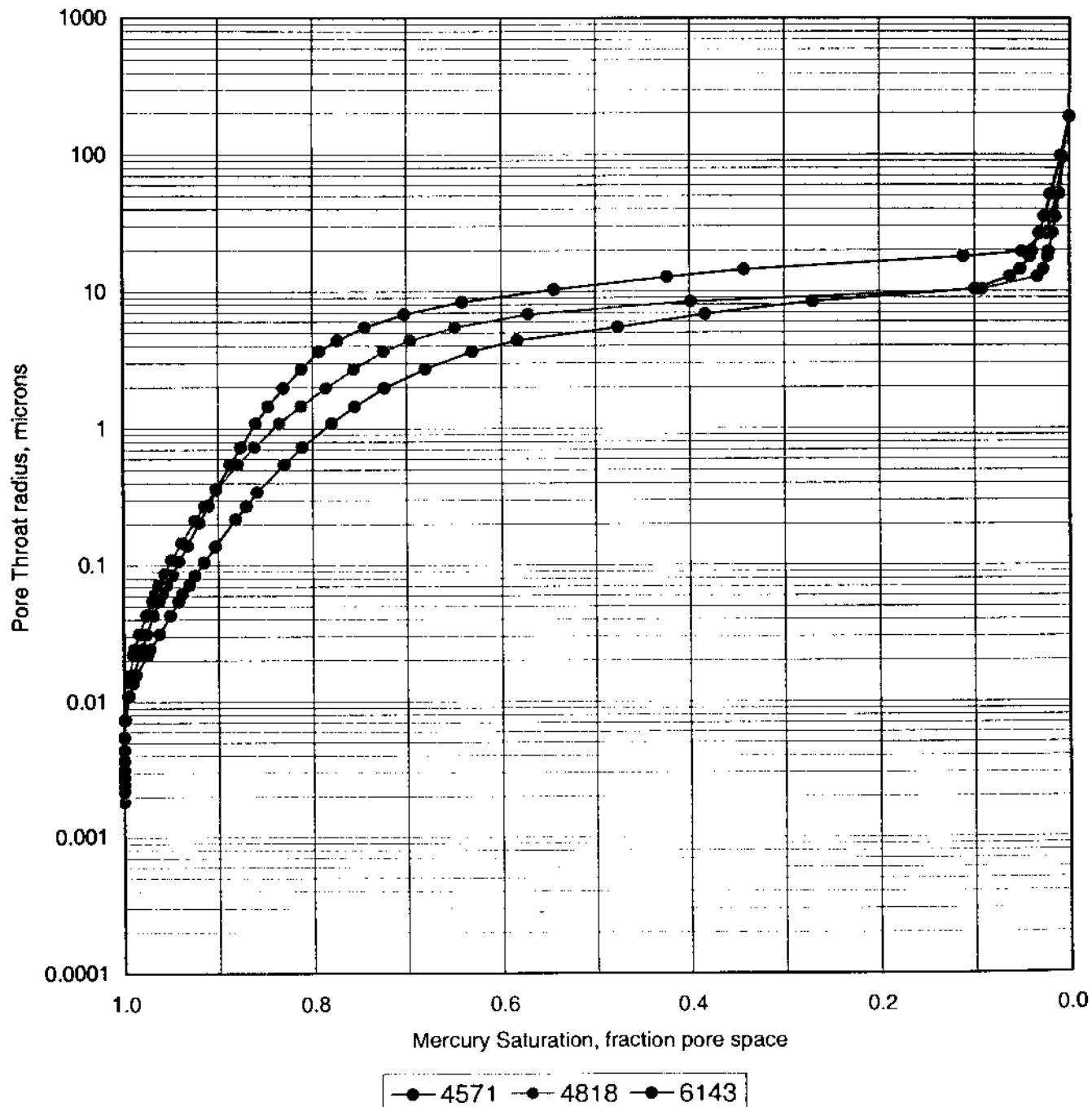
Sample No.: Composite of All Samples



PORE THROAT RADII

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

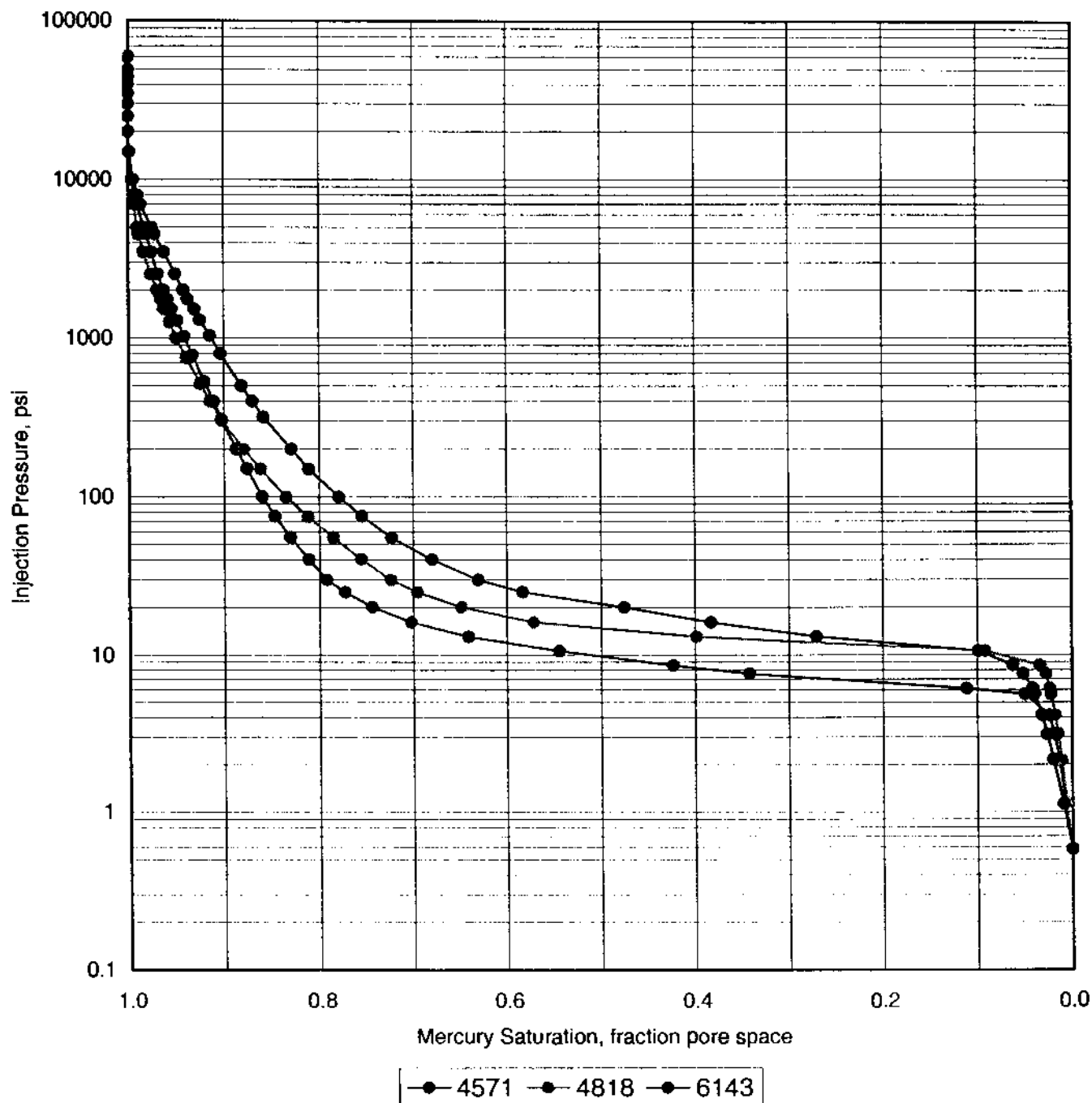
Sample No.: Composite of All Samples



MERCURY INJECTION CAPILLARY PRESSURE

Duke Energy McClain, LLC
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McClain County, Oklahoma
File: H-3356

Sample No.: Composite of All Samples





MERCURY INJECTION CAPILLARY PRESSURE

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample No.: Composite of All Samples

Injection Pressure, psia	Mercury Saturation, fraction	1.0-Mercury Saturation, fraction	Pore Radius, microns	J Function	Other Laboratory Systems			Estimated Height Above Free Water, ft	
					Gas-Water, psia	Gas-Oil, psia	Oil-Water, psia	G-W	O-W
0.57	0.000	1.000	191.63	0.02	0.11	0.04	0.05	0.23	0.38
1.14	0.007	0.993	95.82	0.03	0.21	0.07	0.09	0.46	0.76
2.11	0.013	0.987	51.77	0.06	0.40	0.14	0.17	0.85	1.41
3.13	0.019	0.981	34.90	0.09	0.59	0.20	0.26	1.26	2.10
4.11	0.024	0.976	26.58	0.11	0.77	0.27	0.34	1.66	2.75
5.61	0.050	0.950	19.47	0.15	1.06	0.36	0.46	2.27	3.76
6.11	0.111	0.889	17.88	0.17	1.15	0.39	0.50	2.47	4.09
7.58	0.342	0.658	14.41	0.21	1.43	0.49	0.62	3.06	5.08
8.6	0.424	0.576	12.73	0.23	1.62	0.55	0.70	3.47	5.75
10.6	0.544	0.456	10.32	0.29	1.99	0.68	0.86	4.28	7.09
13.1	0.641	0.359	8.37	0.36	2.46	0.84	1.06	5.27	8.74
16.1	0.702	0.298	6.80	0.44	3.03	1.04	1.31	6.49	10.8
20.0	0.744	0.256	5.45	0.55	3.77	1.29	1.63	8.09	13.4
25.0	0.773	0.227	4.37	0.68	4.71	1.62	2.04	10.1	16.8
30.0	0.793	0.207	3.64	0.82	5.65	1.94	2.45	12.1	20.1
40.2	0.811	0.189	2.72	1.10	7.57	2.60	3.28	16.2	26.9
55.2	0.831	0.169	1.98	1.51	10.4	3.57	4.51	22.3	37.0
75.0	0.847	0.153	1.46	2.05	14.1	4.85	6.12	30.2	50.3
100	0.860	0.140	1.09	2.73	18.9	6.47	8.17	40.5	67.0
150	0.876	0.124	0.728	4.09	28.3	9.69	12.20	60.7	100.0
200	0.887	0.113	0.547	5.44	37.6	12.90	16.3	80.7	134.0
302	0.902	0.098	0.361	8.24	57.0	19.5	24.7	122.0	203.
398	0.910	0.090	0.274	10.85	75.0	25.7	32.5	161.0	267.
531	0.920	0.080	0.206	14.48	100.0	34.3	43.3	215.	356.
783	0.932	0.068	0.140	21.33	147.0	50.5	63.8	315.	524.
1020	0.942	0.058	0.107	27.81	192.0	65.9	83.2	412.	683.
1290	0.949	0.051	0.085	35.17	243.	83.3	105.0	521.	862.
1520	0.955	0.045	0.072	41.44	286.	98.2	124.0	613.	1020.
1750	0.959	0.041	0.062	47.71	330.	113.0	143.0	708.	1170.
2010	0.963	0.037	0.054	54.79	379.	130.0	164.0	810.	1350.
2540	0.969	0.031	0.043	69.24	479.	164.0	207.	1030.	1700.
3500	0.976	0.024	0.031	95.41	659.	226.0	286.	1410.	2350.
4530	0.981	0.019	0.024	123.49	853.	293.	370.	1830.	3040.
4980	0.984	0.016	0.022	135.76	938.	322.	406.	2010.	3330.
6970	0.990	0.010	0.016	190.01	1313.	450.	569.	2820.	4670.
7960	0.992	0.008	0.014	217.00	1500.	514.	649.	3220.	5330.
10000	0.996	0.004	0.011	272.61	1884.	646.	820.	4040.	6700.
14900	0.999	0.001	0.007	406.18	2810.	960.	1220.	6030.	10000.
20000	1.000	0.000	0.005	545.21	3770.	1290.	1630.	8100.	13400.
24900	1.000	0.000	0.004	678.79	4690.	1610.	2030.	10100.	16700.
29900	1.000	0.000	0.004	815.10	5630.	1930.	2440.	12100.	20000.



MERCURY INJECTION CAPILLARY PRESSURE

Duke Energy McClain, LLC
WDW-1
New Castle Power Plant
McClain County, Oklahoma
File: H-3356

Sample No.: Composite of All Samples

Injection Pressure, psia	Mercury Saturation, fraction	1.0-Mercury Saturation, fraction	Pore Radius, microns	J Function	Other Laboratory Systems			Estimated Height Above Free Water, ft	
					Gas-Water, psia	Gas-Oil, psia	Oil-Water, psia	G-W	O-W
35000	1.000	0.000	0.0031	954.12	6590.	2260.	2860.	14100.	23500.
40000	1.000	0.000	0.0027	1090.43	7540.	2580.	3260.	16200.	26800.
44900	1.000	0.000	0.0024	1224.01	8460.	2900.	3660.	18100.	30000.
49800	1.000	0.000	0.0022	1357.58	9400.	3220.	4060.	20200.	33300.
59900	1.000	0.000	0.0018	1632.92	11300.	3870.	4890.	24200.	40100.