

Seal evaluation of the following NPRA well samples:

Husky Oil NPR Operations (U. S. Geological Survey) Kuyanak T. W. No. 1 cuttings (3,990'-4,010'), and cores (5,045'; 5,072.5'; and 5,073'),

Husky Oil NPR Operations (U. S. Geological Survey) South Meade T. W. No. 1 core (4,950.5'), and cuttings (7,790'-7,800'),

U. S. Navy Simpson T. W. No. 1 core (6,490'),

Husky Oil NPR Operations (U. S. Geological Survey) East Simpson T. W. cores (2,676'; and 5,122'),

Husky Oil NPR Operations (U. S. Geological Survey) South Simpson T. W. cuttings (6,620'-6,640'; and 6,700'-6,740'),

U. S. Navy Topagoruk T. W. No. 1 core (2,096'), and cuttings (9,745'-9,775'),

Husky Oil NPR Operations (U. S. Geological Survey) Tulageak T. W. No. 1 cuttings (2,910'-2,940'), and

Husky Oil NPR Operations (U. S. Geological Survey) Walakpa T. W. No. 1 cuttings (1,710'-1,740'), and cores (2,061'; and 2,062').



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Seal Evaluation various NPRA Wells Alaska

August 2003

TABLE 1

**Pore System and Capillary Properties Summary
Various NPRA Wells**

Sample Depth (ft.)	Porosity (%)	Kair (md)	Median Aperture	Capillary Pressure at Various Mercury Saturations			
				entry	5%	7.5%	10%
East Simpson 1							
2676	17.8	0.05	0.0734	430	778	865	938
5122	6.04	0.0001	0.0097	3100	7016	8528	9329
South Simpson 1							
6620-640	5.82	0.001	0.0117	4850	6299	7001	7638
6700-740	6.64	0.001	0.0136	3390	4686	5205	6060
Simpson TW 1							
6490	1.94	0.0003	0.0284	1150	2016	2304	2544
Kuyanak 1							
3990-4010	5.84	0.0007	0.0122	3710	5428	6198	7044
5045	4.19	0.00009	0.0096	2590	4896	5993	7126
5072.5	6.9	0.0009	0.0234	134	254	359	555
5073	3.2	0.0001	0.0133	5810	7951	8595	9157
Topagoruk 1							
2096	9.97	0.0008	0.015	4850	7377	7992	8747
9745-775	3.85	0.0006	0.0128	2370	3464	4079	4629
Walakpa 1							
1710-740	11.8	0.003	0.0138	2830	4645	5486	6177
2061	9.51	0.0005	0.0106	2590	5498	6832	8131
2062	9.53	0.095	0.0213	78	162	218	296
South Meade 1							
4950.5	3.92	0.00007	0.0091	2830	5560	6896	8265
7790-7800	5.49	0.0003	0.0093	3390	5453	6444	7402
Tulageak 1							
2910-940	7.37	0.002	0.0163	3710	5281	5910	6502

Estimated using location of intrusion maximum
Median aperture size is diameter in microns

Mercury Injection Capillary Pressure

East Simpson 1 : 2,676 feet

File 003-236

Sample Information

Bulk Volume = 4.1359 cc

Pore Volume = 0.7356 cc

Closure = 2.12%BV @ 430 psia

Porosity = 17.8% (mercury)

Permeability = 0.05 md (mercury)

Median Pore Aperture = 0.0734 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.02	100.0	0.00	0.0000
1.80	119	0.04	100.0	0.00	0.0000
1.96	109	0.04	100.0	0.00	0.0000
2.15	99.2	0.07	100.0	0.00	0.0000
2.35	90.8	0.09	100.0	0.00	0.0000
2.57	83.0	0.13	100.0	0.00	0.0000
2.81	75.9	0.18	100.0	0.00	0.0000
3.08	69.3	0.22	100.0	0.00	0.0000
3.37	63.3	0.22	100.0	0.00	0.0000
3.68	58.0	0.24	100.0	0.00	0.0000
4.03	52.9	0.26	100.0	0.00	0.0000
4.41	48.4	0.33	100.0	0.00	0.0000
4.82	44.3	0.38	100.0	0.00	0.0000
5.27	40.5	0.42	100.0	0.00	0.0000
5.77	37.0	0.46	100.0	0.00	0.0000
6.31	33.8	0.49	100.0	0.00	0.0000
6.90	30.9	0.53	100.0	0.00	0.0000
7.55	28.3	0.55	100.0	0.00	0.0000
8.26	25.8	0.60	100.0	0.00	0.0000
9.04	23.6	0.62	100.0	0.00	0.0000
9.89	21.6	0.66	100.0	0.00	0.0000
10.8	19.8	0.68	100.0	0.00	0.0000
11.8	18.1	0.71	100.0	0.00	0.0000
12.9	16.5	0.73	100.0	0.00	0.0000
14.2	15.0	0.77	100.0	0.00	0.0000
15.5	13.8	0.82	100.0	0.00	0.0000
16.9	12.6	0.84	100.0	0.00	0.0000
18.5	11.5	0.86	100.0	0.00	0.0000
20.3	10.5	0.90	100.0	0.00	0.0000
22.2	9.61	0.95	100.0	0.00	0.0000
24.3	8.78	0.97	100.0	0.00	0.0000
26.6	8.02	0.99	100.0	0.00	0.0000
29.0	7.36	1.06	100.0	0.00	0.0000
31.8	6.71	1.19	100.0	0.00	0.0000
34.8	6.13	1.21	100.0	0.00	0.0000
38.0	5.61	1.26	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

East Simpson 1 : 2,676 feet

File 003-236

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	1.30	100.0	0.00	0.0000
45.5	4.69	1.37	100.0	0.00	0.0000
49.8	4.28	1.39	100.0	0.00	0.0000
54.5	3.91	1.43	100.0	0.00	0.0000
59.6	3.58	1.46	100.0	0.00	0.0000
65.2	3.27	1.48	100.0	0.00	0.0000
71.3	2.99	1.50	100.0	0.00	0.0000
78.0	2.73	1.52	100.0	0.00	0.0000
85.3	2.50	1.54	100.0	0.00	0.0000
93.4	2.28	1.57	100.0	0.00	0.0000
102	2.09	1.61	100.0	0.00	0.0000
112	1.90	1.63	100.0	0.00	0.0000
122	1.75	1.65	100.0	0.00	0.0000
134	1.59	1.68	100.0	0.00	0.0000
146	1.46	1.70	100.0	0.00	0.0000
160	1.33	1.74	100.0	0.00	0.0000
175	1.22	1.77	100.0	0.00	0.0000
191	1.12	1.79	100.0	0.00	0.0000
209	1.02	1.81	100.0	0.00	0.0000
229	0.932	1.85	100.0	0.00	0.0000
251	0.850	1.88	100.0	0.00	0.0000
274	0.779	1.92	100.0	0.00	0.0000
300	0.711	1.96	100.0	0.00	0.0000
328	0.650	1.99	100.0	0.00	0.0000
359	0.594	2.03	100.0	0.00	0.0000
393	0.543	2.07	100.0	0.00	0.0000
430	0.496	2.12	100.0	0.00	0.0000
470	0.454	2.16	99.8	0.25	0.0062
514	0.415	2.23	99.4	0.37	0.0085
563	0.379	2.32	98.9	0.50	0.0101
615	0.347	2.43	98.3	0.62	0.0119
673	0.317	2.58	97.4	0.87	0.0150
736	0.290	2.85	95.9	1.49	0.0237
806	0.265	3.11	94.4	1.49	0.0213
881	0.242	3.53	92.0	2.36	0.0315
964	0.221	4.06	89.1	2.98	0.0359
1050	0.203	4.66	85.7	3.35	0.0390
1150	0.186	5.38	81.6	4.10	0.0410
1260	0.169	6.16	77.3	4.35	0.0395
1380	0.155	6.80	73.7	3.60	0.0300
1510	0.141	7.37	70.4	3.23	0.0248
1650	0.129	7.92	67.3	3.11	0.0222

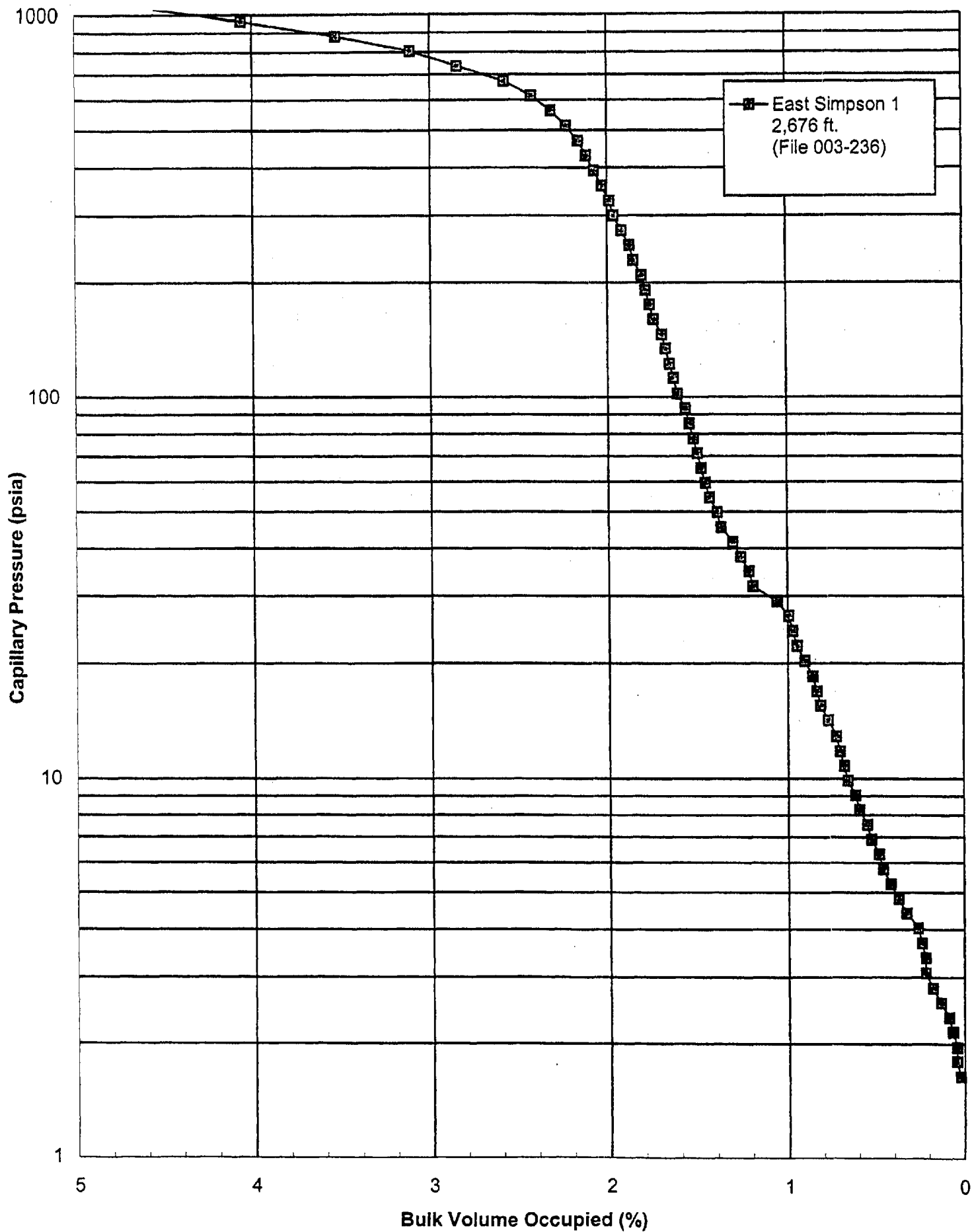
Mercury Injection Capillary Pressure

East Simpson 1 : 2,676 feet

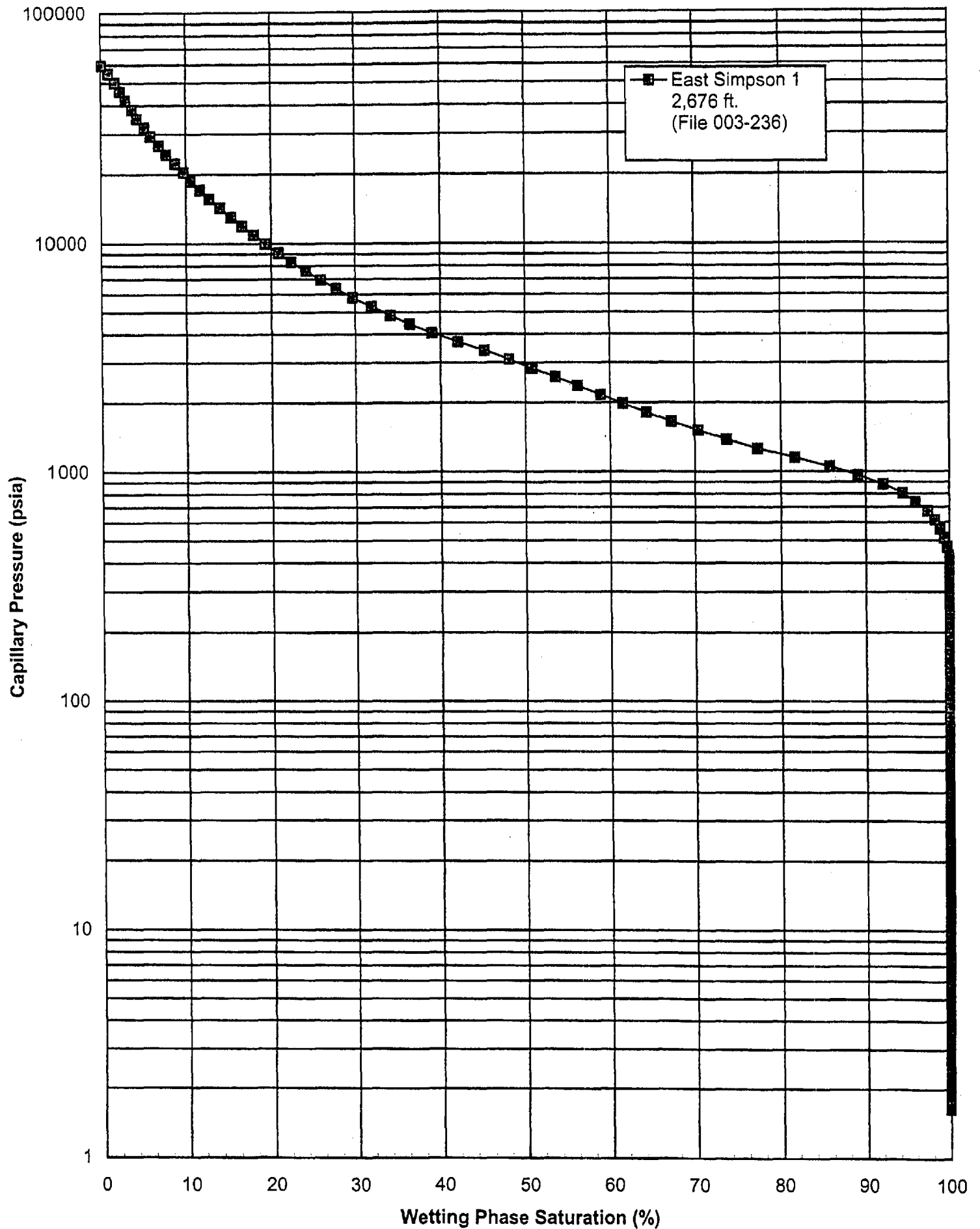
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Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	8.45	64.3	2.98	0.0186
1980	0.1077	8.96	61.5	2.86	0.0168
2160	0.0988	9.42	58.9	2.61	0.0145
2370	0.0900	9.91	56.1	2.73	0.0130
2590	0.0824	10.37	53.5	2.61	0.0119
2830	0.0754	10.86	50.8	2.73	0.0114
3100	0.0688	11.34	48.1	2.73	0.0101
3390	0.0629	11.87	45.1	2.98	0.0103
3710	0.0575	12.42	42.0	3.11	0.0097
4060	0.0525	12.95	39.0	2.98	0.0085
4440	0.0480	13.42	36.4	2.61	0.0069
4850	0.0440	13.81	34.2	2.24	0.0055
5310	0.0402	14.21	31.9	2.24	0.0049
5810	0.0367	14.61	29.7	2.24	0.0045
6360	0.0335	14.96	27.7	1.99	0.0036
6950	0.0307	15.29	25.8	1.86	0.0032
7610	0.0280	15.60	24.1	1.74	0.0026
8320	0.0256	15.91	22.4	1.74	0.0024
9100	0.0234	16.17	20.9	1.49	0.0019
9960	0.0214	16.46	19.3	1.61	0.0019
10900	0.0196	16.70	17.9	1.37	0.0015
11900	0.0179	16.95	16.5	1.37	0.0014
13000	0.0164	17.17	15.3	1.24	0.0011
14300	0.0149	17.39	14.0	1.24	0.0010
15600	0.0137	17.61	12.8	1.24	0.0010
17100	0.0125	17.81	11.7	1.12	0.0007
18700	0.0114	18.01	10.6	1.12	0.0007
20400	0.0105	18.16	9.7	0.87	0.0005
22300	0.0096	18.34	8.7	0.99	0.0005
24400	0.0087	18.51	7.7	0.99	0.0005
26700	0.0080	18.67	6.8	0.87	0.0004
29300	0.0073	18.84	5.8	0.99	0.0004
32000	0.0067	18.98	5.1	0.75	0.0003
35000	0.0061	19.13	4.2	0.87	0.0003
38300	0.0056	19.24	3.6	0.62	0.0002
41900	0.0051	19.37	2.9	0.75	0.0002
45800	0.0047	19.48	2.2	0.62	0.0002
50100	0.0043	19.59	1.6	0.62	0.0001
54800	0.0039	19.73	0.9	0.75	0.0002
59500	0.0036	19.88	0.0	0.87	0.0002

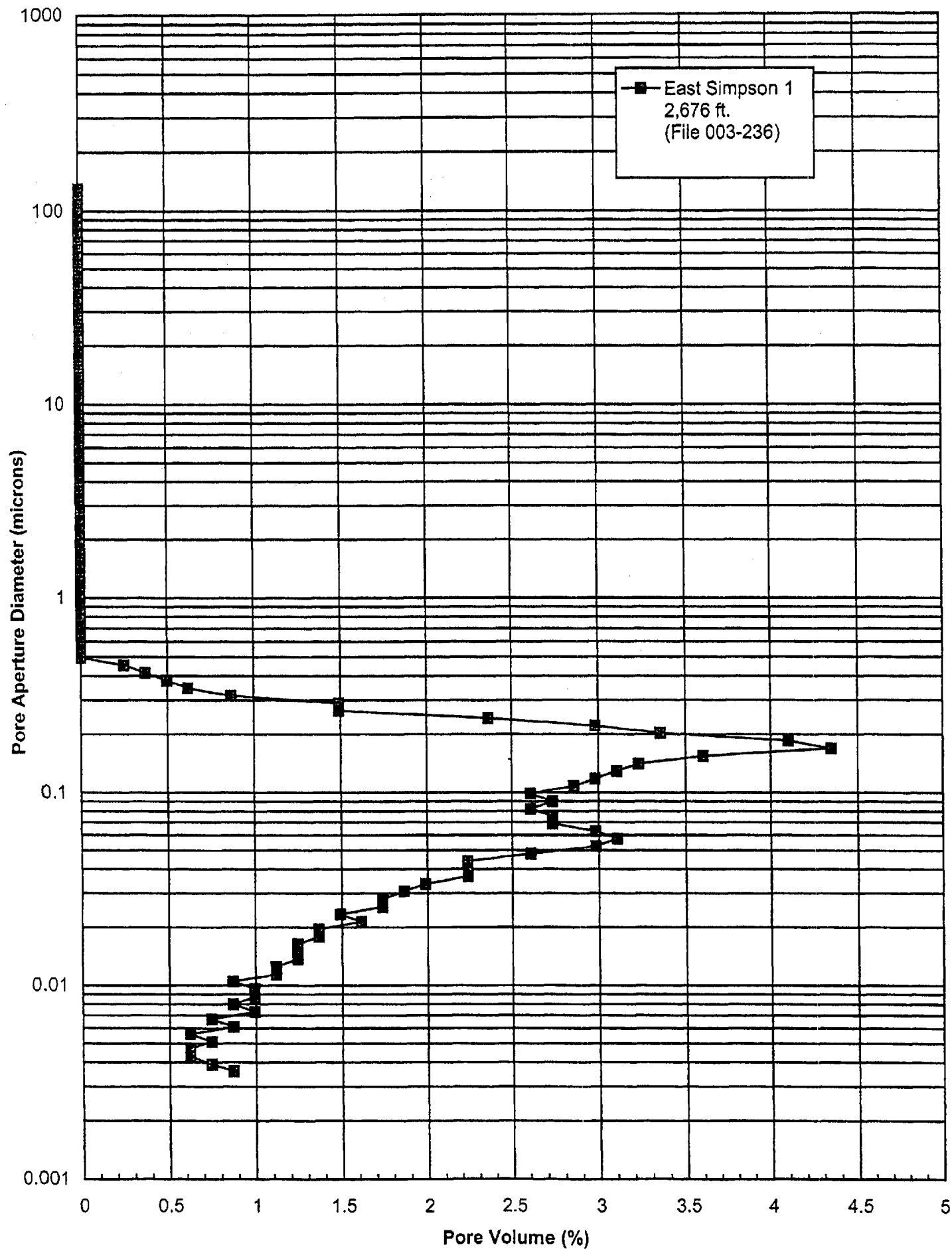
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

East Simpson #1 : 5,122 feet

File 003-222

Sample Information

Bulk Volume = 5.8726 cc

Pore Volume = 0.3547 cc

Closure = 0.43%BV @ 3100 psia

Porosity = 6.04% (mercury)

Permeability = 0.0001 md (mercury)

Median Pore Aperture = 0.0097 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.00	100.0	0.00	0.0000
1.80	119	0.01	100.0	0.00	0.0000
1.96	109	0.01	100.0	0.00	0.0000
2.15	99.2	0.01	100.0	0.00	0.0000
2.35	90.8	0.02	100.0	0.00	0.0000
2.57	83.0	0.02	100.0	0.00	0.0000
2.81	75.9	0.03	100.0	0.00	0.0000
3.08	69.3	0.03	100.0	0.00	0.0000
3.37	63.3	0.03	100.0	0.00	0.0000
3.68	58.0	0.04	100.0	0.00	0.0000
4.03	52.9	0.04	100.0	0.00	0.0000
4.41	48.4	0.04	100.0	0.00	0.0000
4.82	44.3	0.05	100.0	0.00	0.0000
5.27	40.5	0.05	100.0	0.00	0.0000
5.77	37.0	0.05	100.0	0.00	0.0000
6.31	33.8	0.05	100.0	0.00	0.0000
6.90	30.9	0.06	100.0	0.00	0.0000
7.55	28.3	0.06	100.0	0.00	0.0000
8.26	25.8	0.06	100.0	0.00	0.0000
9.04	23.6	0.07	100.0	0.00	0.0000
9.89	21.6	0.07	100.0	0.00	0.0000
10.8	19.8	0.07	100.0	0.00	0.0000
11.8	18.1	0.08	100.0	0.00	0.0000
12.9	16.5	0.08	100.0	0.00	0.0000
14.2	15.0	0.08	100.0	0.00	0.0000
15.5	13.8	0.09	100.0	0.00	0.0000
16.9	12.6	0.09	100.0	0.00	0.0000
18.5	11.5	0.10	100.0	0.00	0.0000
20.3	10.5	0.10	100.0	0.00	0.0000
22.2	9.61	0.11	100.0	0.00	0.0000
24.3	8.78	0.11	100.0	0.00	0.0000
26.6	8.02	0.12	100.0	0.00	0.0000
29.0	7.36	0.12	100.0	0.00	0.0000
31.8	6.71	0.13	100.0	0.00	0.0000
34.8	6.13	0.13	100.0	0.00	0.0000
38.0	5.61	0.14	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

East Simpson #1 : 5,122 feet

File 003-222

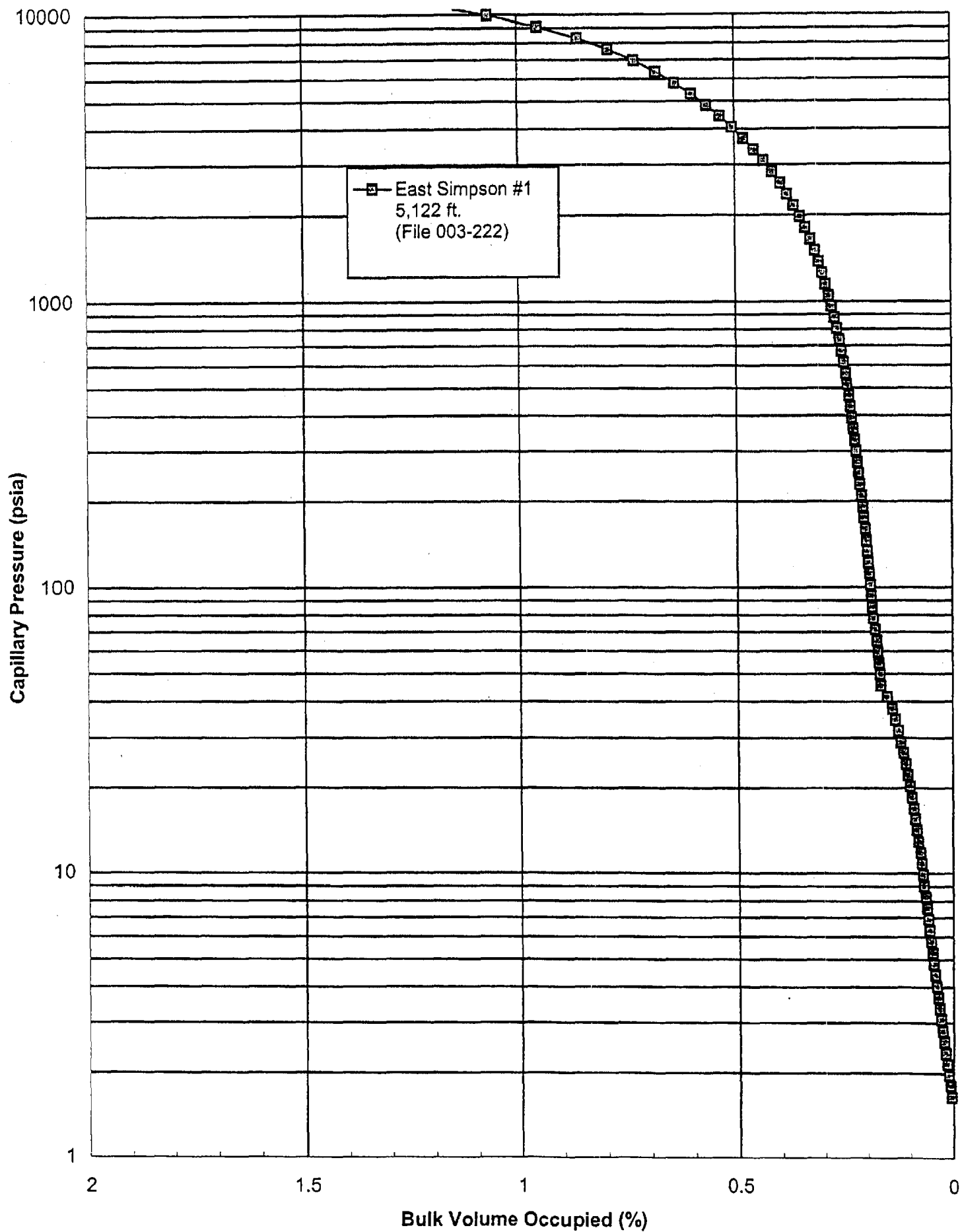
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.15	100.0	0.00	0.0000
45.5	4.69	0.17	100.0	0.00	0.0000
49.8	4.28	0.17	100.0	0.00	0.0000
54.5	3.91	0.17	100.0	0.00	0.0000
59.6	3.58	0.18	100.0	0.00	0.0000
65.2	3.27	0.18	100.0	0.00	0.0000
71.3	2.99	0.18	100.0	0.00	0.0000
78.0	2.73	0.19	100.0	0.00	0.0000
85.3	2.50	0.19	100.0	0.00	0.0000
93.4	2.28	0.19	100.0	0.00	0.0000
102	2.09	0.19	100.0	0.00	0.0000
112	1.90	0.19	100.0	0.00	0.0000
122	1.75	0.20	100.0	0.00	0.0000
134	1.59	0.20	100.0	0.00	0.0000
146	1.46	0.20	100.0	0.00	0.0000
160	1.33	0.20	100.0	0.00	0.0000
175	1.22	0.21	100.0	0.00	0.0000
191	1.12	0.21	100.0	0.00	0.0000
209	1.02	0.21	100.0	0.00	0.0000
229	0.932	0.22	100.0	0.00	0.0000
251	0.850	0.22	100.0	0.00	0.0000
274	0.779	0.22	100.0	0.00	0.0000
300	0.711	0.22	100.0	0.00	0.0000
328	0.650	0.23	100.0	0.00	0.0000
359	0.594	0.23	100.0	0.00	0.0000
393	0.543	0.23	100.0	0.00	0.0000
430	0.496	0.24	100.0	0.00	0.0000
470	0.454	0.24	100.0	0.00	0.0000
514	0.415	0.24	100.0	0.00	0.0000
563	0.379	0.25	100.0	0.00	0.0000
615	0.347	0.25	100.0	0.00	0.0000
673	0.317	0.26	100.0	0.00	0.0000
736	0.290	0.26	100.0	0.00	0.0000
806	0.265	0.27	100.0	0.00	0.0000
881	0.242	0.27	100.0	0.00	0.0000
964	0.221	0.28	100.0	0.00	0.0000
1050	0.203	0.29	100.0	0.00	0.0000
1150	0.186	0.29	100.0	0.00	0.0000
1260	0.169	0.30	100.0	0.00	0.0000
1380	0.155	0.31	100.0	0.00	0.0000
1510	0.141	0.32	100.0	0.00	0.0000
1650	0.129	0.33	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

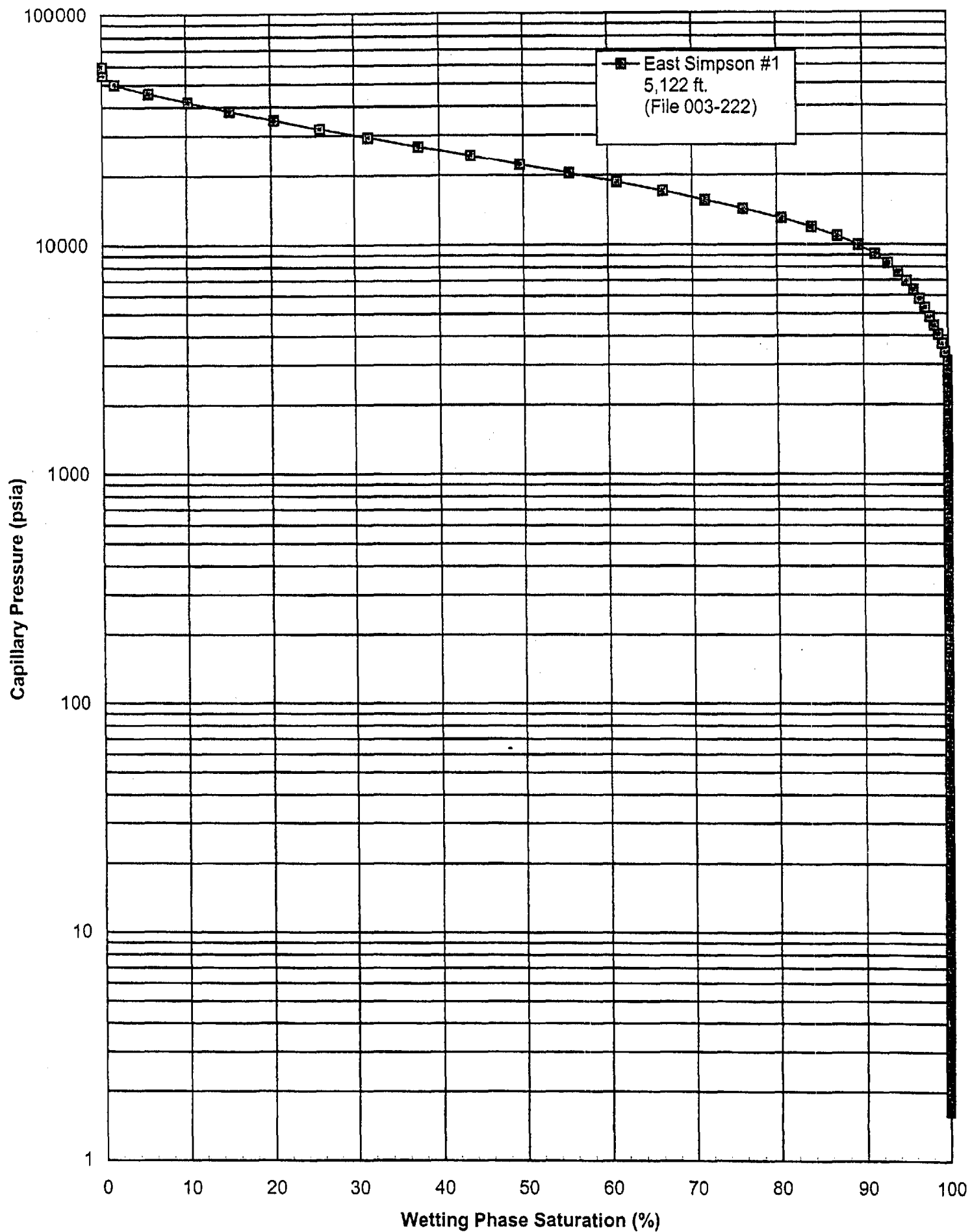
East Simpson #1 : 5,122 feet
File 003-222

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.34	100.0	0.00	0.0000
1980	0.1077	0.35	100.0	0.00	0.0000
2160	0.0988	0.36	100.0	0.00	0.0000
2370	0.0900	0.38	100.0	0.00	0.0000
2590	0.0824	0.40	100.0	0.00	0.0000
2830	0.0754	0.41	100.0	0.00	0.0000
3100	0.0688	0.43	100.0	0.00	0.0000
3390	0.0629	0.46	99.7	0.35	0.0012
3710	0.0575	0.48	99.3	0.40	0.0012
4060	0.0525	0.51	98.8	0.44	0.0013
4440	0.0480	0.53	98.4	0.46	0.0012
4850	0.0440	0.56	97.8	0.50	0.0012
5310	0.0402	0.60	97.3	0.57	0.0012
5810	0.0367	0.64	96.6	0.64	0.0013
6360	0.0335	0.68	95.9	0.72	0.0013
6950	0.0307	0.73	95.1	0.81	0.0014
7610	0.0280	0.79	94.1	0.99	0.0015
8320	0.0256	0.86	92.9	1.19	0.0017
9100	0.0234	0.95	91.4	1.53	0.0020
9960	0.0214	1.07	89.5	1.93	0.0022
10900	0.0196	1.22	87.0	2.45	0.0026
11900	0.0179	1.40	84.0	3.01	0.0030
13000	0.0164	1.61	80.5	3.53	0.0032
14300	0.0149	1.88	76.1	4.40	0.0034
15600	0.0137	2.15	71.6	4.52	0.0035
17100	0.0125	2.46	66.5	5.12	0.0034
18700	0.0114	2.78	61.1	5.38	0.0034
20400	0.0105	3.12	55.5	5.62	0.0033
22300	0.0096	3.48	49.6	5.89	0.0031
24400	0.0087	3.83	43.8	5.82	0.0028
26700	0.0080	4.21	37.5	6.22	0.0027
29300	0.0073	4.56	31.6	5.93	0.0023
32000	0.0067	4.91	25.9	5.71	0.0021
35000	0.0061	5.24	20.4	5.50	0.0018
38300	0.0056	5.55	15.2	5.17	0.0016
41900	0.0051	5.86	10.2	4.99	0.0014
45800	0.0047	6.14	5.5	4.73	0.0012
50100	0.0043	6.38	1.5	4.01	0.0009
54800	0.0039	6.47	0.1	1.41	0.0003
59500	0.0036	6.47	0.0	0.10	0.0000

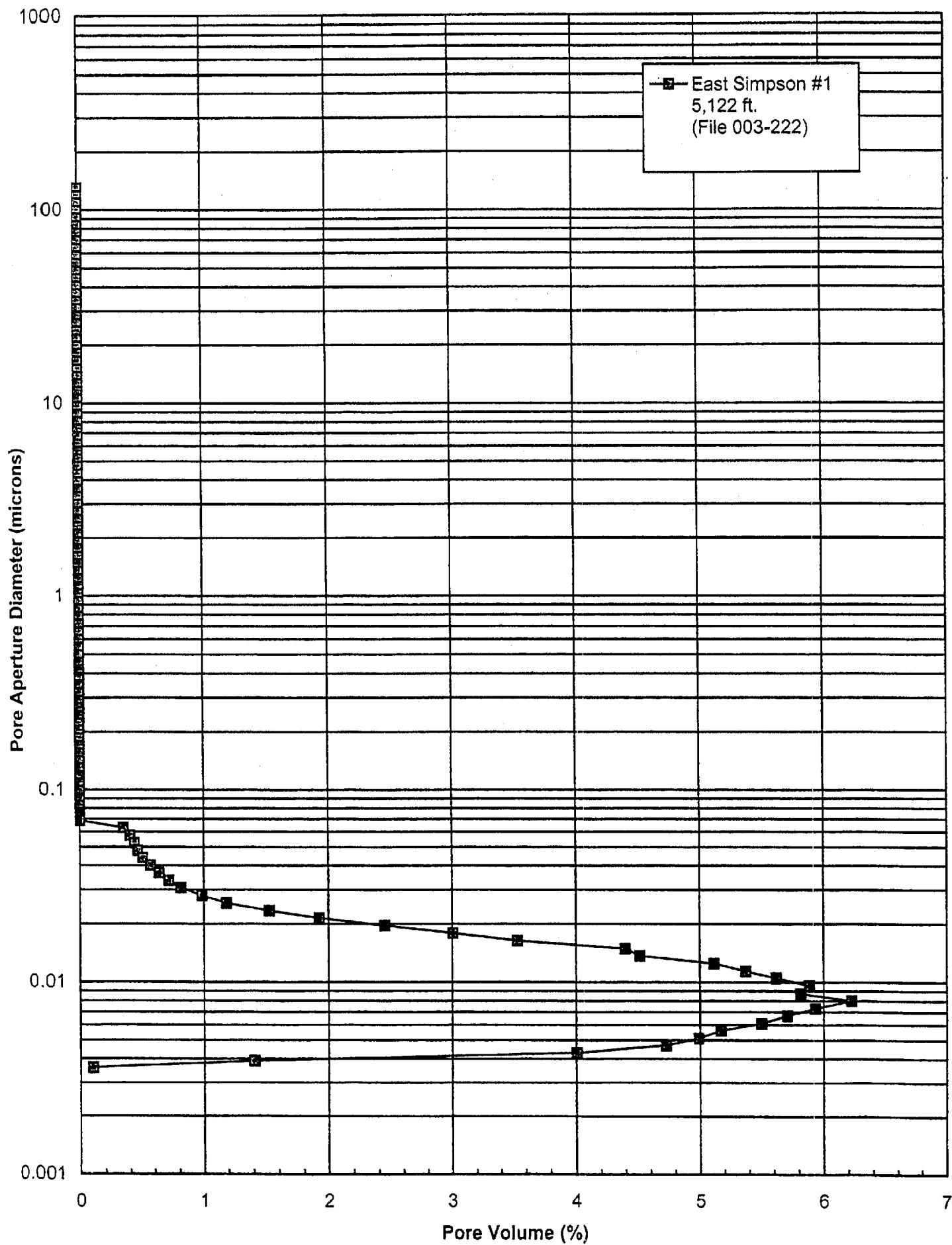
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Kuyanak 1 : 3,990 - 4,010 feet

File 003-244

Sample Information

Bulk Volume = 1.7956 cc

Pore Volume = 0.1049 cc

Closure = 3.73%BV @ 3710 psia

Porosity = 5.84% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0122 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.17	100.0	0.00	0.0000
1.80	119	0.32	100.0	0.00	0.0000
1.96	109	0.49	100.0	0.00	0.0000
2.15	99.2	0.66	100.0	0.00	0.0000
2.35	90.8	0.86	100.0	0.00	0.0000
2.57	83.0	1.01	100.0	0.00	0.0000
2.81	75.9	1.13	100.0	0.00	0.0000
3.08	69.3	1.25	100.0	0.00	0.0000
3.37	63.3	1.38	100.0	0.00	0.0000
3.68	58.0	1.47	100.0	0.00	0.0000
4.03	52.9	1.57	100.0	0.00	0.0000
4.41	48.4	1.65	100.0	0.00	0.0000
4.82	44.3	1.72	100.0	0.00	0.0000
5.27	40.5	1.79	100.0	0.00	0.0000
5.77	37.0	1.87	100.0	0.00	0.0000
6.31	33.8	1.92	100.0	0.00	0.0000
6.90	30.9	1.96	100.0	0.00	0.0000
7.55	28.3	1.99	100.0	0.00	0.0000
8.26	25.8	2.04	100.0	0.00	0.0000
9.04	23.6	2.09	100.0	0.00	0.0000
9.89	21.6	2.11	100.0	0.00	0.0000
10.8	19.8	2.16	100.0	0.00	0.0000
11.8	18.1	2.19	100.0	0.00	0.0000
12.9	16.5	2.23	100.0	0.00	0.0000
14.2	15.0	2.26	100.0	0.00	0.0000
15.5	13.8	2.31	100.0	0.00	0.0000
16.9	12.6	2.33	100.0	0.00	0.0000
18.5	11.5	2.36	100.0	0.00	0.0000
20.3	10.5	2.38	100.0	0.00	0.0000
22.2	9.61	2.43	100.0	0.00	0.0000
24.3	8.78	2.46	100.0	0.00	0.0000
26.6	8.02	2.48	100.0	0.00	0.0000
29.0	7.36	2.50	100.0	0.00	0.0000
31.8	6.71	2.53	100.0	0.00	0.0000
34.8	6.13	2.55	100.0	0.00	0.0000
38.0	5.61	2.58	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Kuyanak 1 : 3,990 - 4,010 feet

File 003-244

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	2.60	100.0	0.00	0.0000
45.5	4.69	2.63	100.0	0.00	0.0000
49.8	4.28	2.65	100.0	0.00	0.0000
54.5	3.91	2.65	100.0	0.00	0.0000
59.6	3.58	2.68	100.0	0.00	0.0000
65.2	3.27	2.68	100.0	0.00	0.0000
71.3	2.99	2.70	100.0	0.00	0.0000
78.0	2.73	2.73	100.0	0.00	0.0000
85.3	2.50	2.73	100.0	0.00	0.0000
93.4	2.28	2.73	100.0	0.00	0.0000
102	2.09	2.73	100.0	0.00	0.0000
112	1.90	2.73	100.0	0.00	0.0000
122	1.75	2.73	100.0	0.00	0.0000
134	1.59	2.73	100.0	0.00	0.0000
146	1.46	2.73	100.0	0.00	0.0000
160	1.33	2.73	100.0	0.00	0.0000
175	1.22	2.73	100.0	0.00	0.0000
191	1.12	2.73	100.0	0.00	0.0000
209	1.02	2.73	100.0	0.00	0.0000
229	0.932	2.75	100.0	0.00	0.0000
251	0.850	2.77	100.0	0.00	0.0000
274	0.779	2.77	100.0	0.00	0.0000
300	0.711	2.80	100.0	0.00	0.0000
328	0.650	2.80	100.0	0.00	0.0000
359	0.594	2.82	100.0	0.00	0.0000
393	0.543	2.85	100.0	0.00	0.0000
430	0.496	2.87	100.0	0.00	0.0000
470	0.454	2.90	100.0	0.00	0.0000
514	0.415	2.90	100.0	0.00	0.0000
563	0.379	2.92	100.0	0.00	0.0000
615	0.347	2.95	100.0	0.00	0.0000
673	0.317	2.97	100.0	0.00	0.0000
736	0.290	3.00	100.0	0.00	0.0000
806	0.265	3.04	100.0	0.00	0.0000
881	0.242	3.07	100.0	0.00	0.0000
964	0.221	3.09	100.0	0.00	0.0000
1050	0.203	3.12	100.0	0.00	0.0000
1150	0.186	3.14	100.0	0.00	0.0000
1260	0.169	3.19	100.0	0.00	0.0000
1380	0.155	3.22	100.0	0.00	0.0000
1510	0.141	3.27	100.0	0.00	0.0000
1650	0.129	3.29	100.0	0.00	0.0000

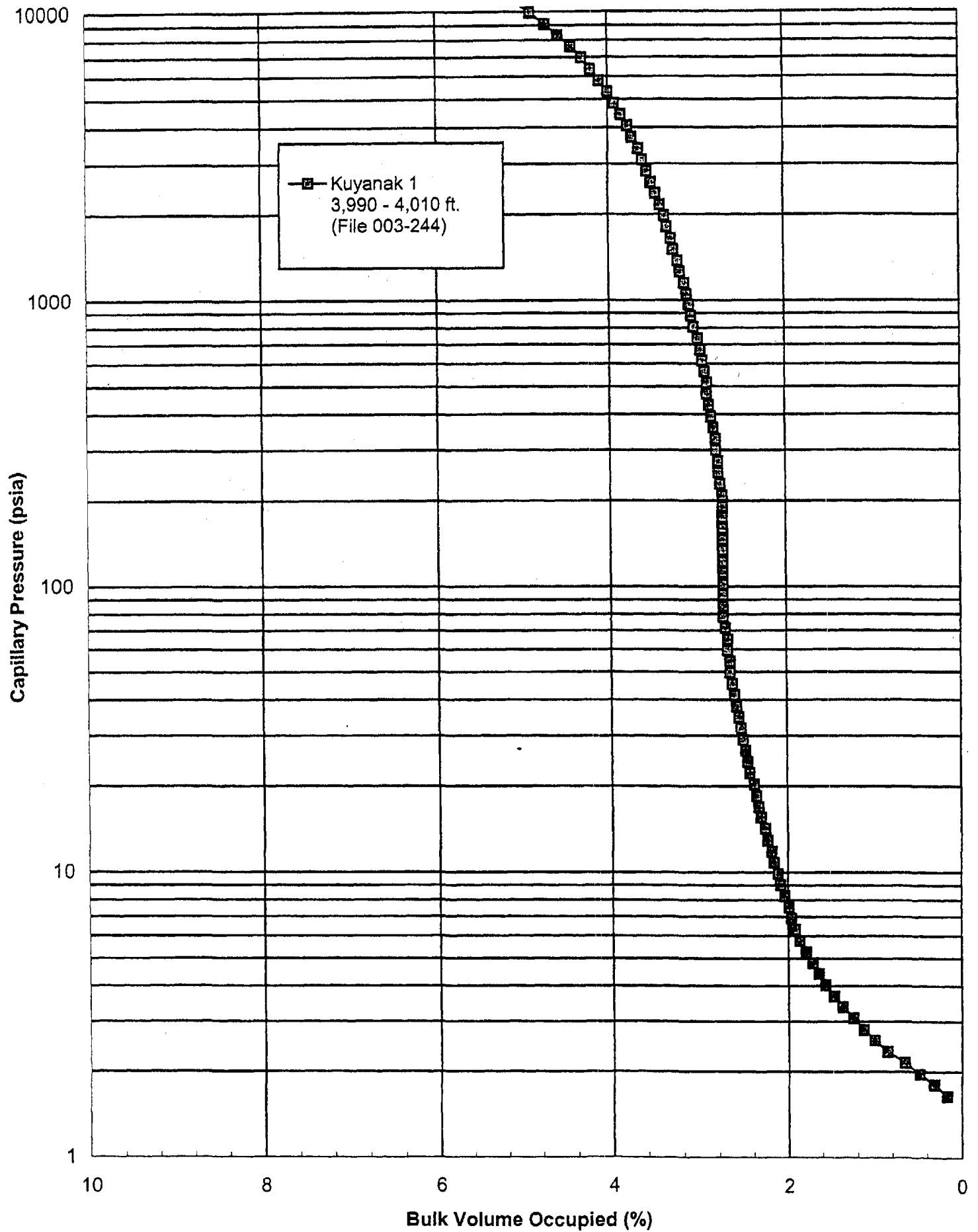
Mercury Injection Capillary Pressure

Kuyanak 1 : 3,990 - 4,010 feet

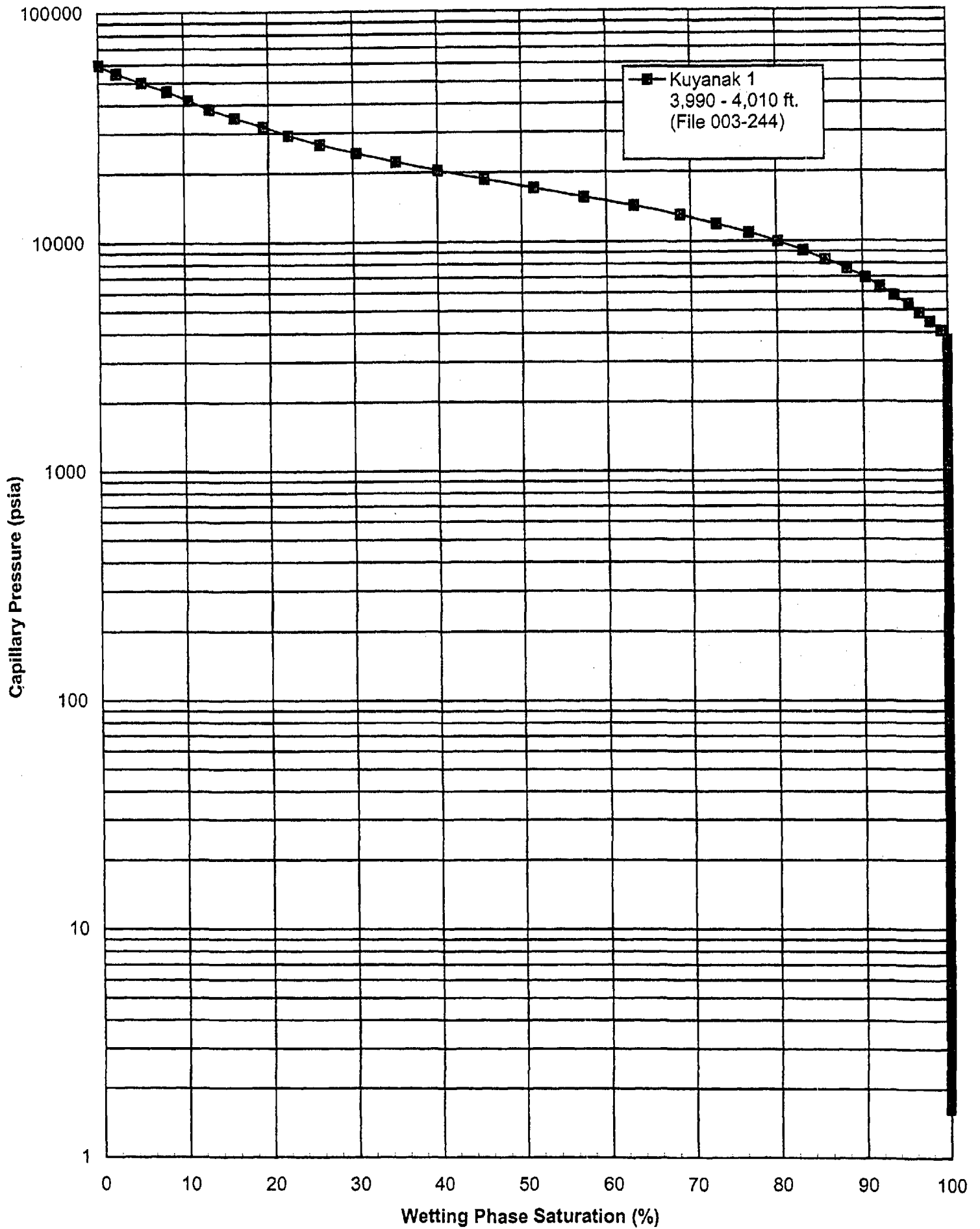
File 003-244

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	3.34	100.0	0.00	0.0000
1980	0.1077	3.36	100.0	0.00	0.0000
2160	0.0988	3.41	100.0	0.00	0.0000
2370	0.0900	3.46	100.0	0.00	0.0000
2590	0.0824	3.51	100.0	0.00	0.0000
2830	0.0754	3.56	100.0	0.00	0.0000
3100	0.0688	3.61	100.0	0.00	0.0000
3390	0.0629	3.66	100.0	0.00	0.0000
3710	0.0575	3.73	100.0	0.00	0.0000
4060	0.0525	3.78	99.2	0.84	0.0024
4440	0.0480	3.86	97.9	1.27	0.0033
4850	0.0440	3.93	96.6	1.27	0.0031
5310	0.0402	4.00	95.4	1.27	0.0028
5810	0.0367	4.10	93.7	1.69	0.0034
6360	0.0335	4.20	92.0	1.69	0.0031
6950	0.0307	4.30	90.3	1.69	0.0029
7610	0.0280	4.42	88.2	2.11	0.0032
8320	0.0256	4.57	85.7	2.53	0.0036
9100	0.0234	4.71	83.1	2.53	0.0032
9960	0.0214	4.89	80.2	2.95	0.0034
10900	0.0196	5.08	76.8	3.38	0.0036
11900	0.0179	5.30	73.0	3.80	0.0038
13000	0.0164	5.55	68.8	4.22	0.0038
14300	0.0149	5.87	63.3	5.49	0.0042
15600	0.0137	6.21	57.4	5.91	0.0045
17100	0.0125	6.56	51.5	5.91	0.0039
18700	0.0114	6.90	45.6	5.91	0.0037
20400	0.0105	7.22	40.1	5.49	0.0032
22300	0.0096	7.51	35.0	5.06	0.0027
24400	0.0087	7.78	30.4	4.64	0.0022
26700	0.0080	8.03	26.2	4.22	0.0018
29300	0.0073	8.25	22.4	3.80	0.0015
32000	0.0067	8.42	19.4	2.95	0.0011
35000	0.0061	8.62	16.0	3.38	0.0011
38300	0.0056	8.79	13.1	2.95	0.0009
41900	0.0051	8.94	10.5	2.53	0.0007
45800	0.0047	9.09	8.0	2.53	0.0006
50100	0.0043	9.26	5.1	2.95	0.0007
54800	0.0039	9.43	2.1	2.95	0.0006
59500	0.0036	9.55	0.0	2.11	0.0004

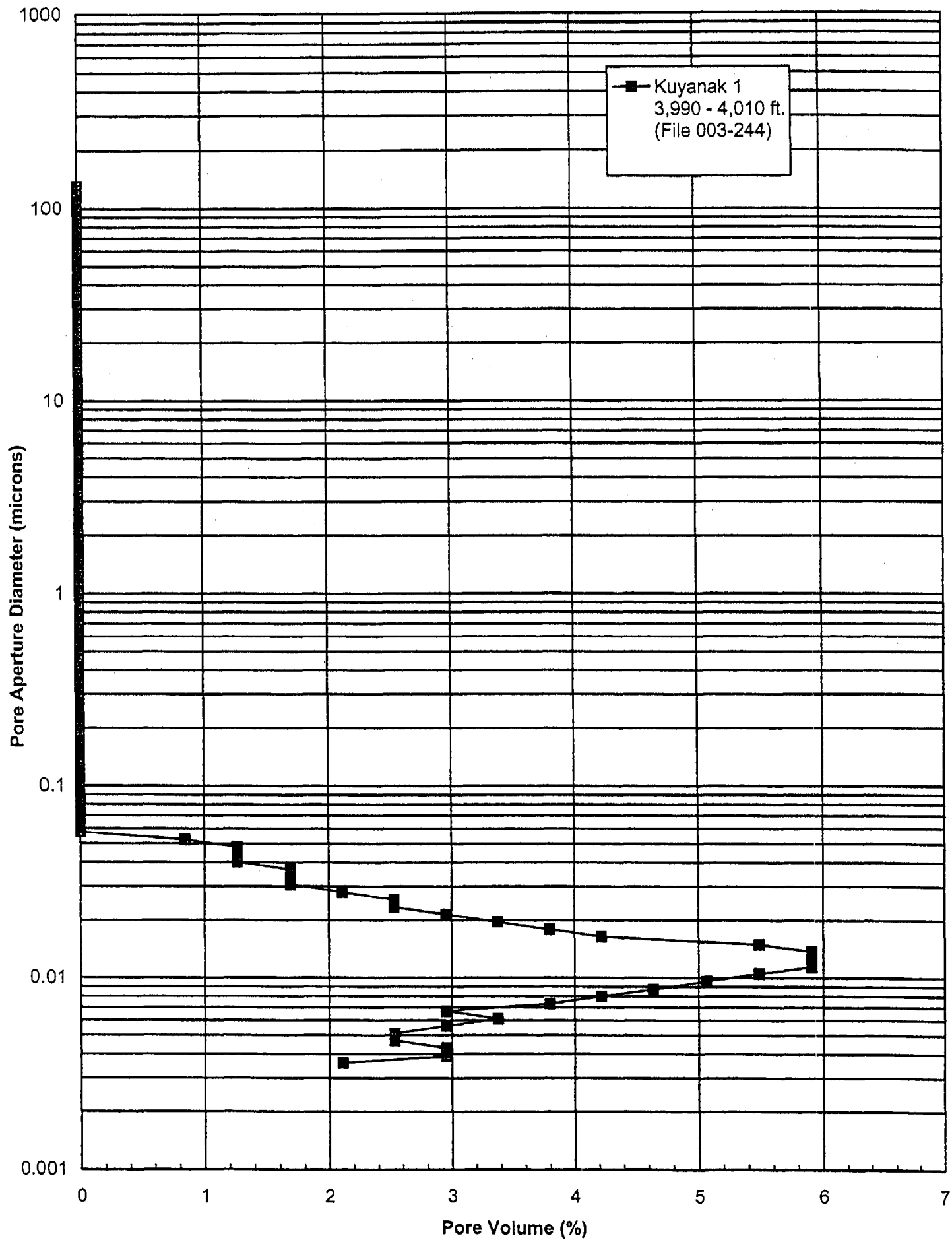
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Kuyanak #1 : 5,045 feet

File 003-225

Sample Information

Bulk Volume = 5.6580 cc

Pore Volume = 0.2369 cc

Closure = 0.59%BV @ 2590 psia

Porosity = 4.19% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0096 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.02	100.0	0.00	0.0000
1.80	119	0.04	100.0	0.00	0.0000
1.96	109	0.05	100.0	0.00	0.0000
2.15	99.2	0.06	100.0	0.00	0.0000
2.35	90.8	0.07	100.0	0.00	0.0000
2.57	83.0	0.07	100.0	0.00	0.0000
2.81	75.9	0.08	100.0	0.00	0.0000
3.08	69.3	0.09	100.0	0.00	0.0000
3.37	63.3	0.09	100.0	0.00	0.0000
3.68	58.0	0.10	100.0	0.00	0.0000
4.03	52.9	0.10	100.0	0.00	0.0000
4.41	48.4	0.11	100.0	0.00	0.0000
4.82	44.3	0.11	100.0	0.00	0.0000
5.27	40.5	0.12	100.0	0.00	0.0000
5.77	37.0	0.12	100.0	0.00	0.0000
6.31	33.8	0.12	100.0	0.00	0.0000
6.90	30.9	0.13	100.0	0.00	0.0000
7.55	28.3	0.13	100.0	0.00	0.0000
8.26	25.8	0.14	100.0	0.00	0.0000
9.04	23.6	0.14	100.0	0.00	0.0000
9.89	21.6	0.15	100.0	0.00	0.0000
10.8	19.8	0.15	100.0	0.00	0.0000
11.8	18.1	0.16	100.0	0.00	0.0000
12.9	16.5	0.16	100.0	0.00	0.0000
14.2	15.0	0.17	100.0	0.00	0.0000
15.5	13.8	0.17	100.0	0.00	0.0000
16.9	12.6	0.18	100.0	0.00	0.0000
18.5	11.5	0.18	100.0	0.00	0.0000
20.3	10.5	0.19	100.0	0.00	0.0000
22.2	9.61	0.19	100.0	0.00	0.0000
24.3	8.78	0.20	100.0	0.00	0.0000
26.6	8.02	0.21	100.0	0.00	0.0000
29.0	7.36	0.21	100.0	0.00	0.0000
31.8	6.71	0.22	100.0	0.00	0.0000
34.8	6.13	0.24	100.0	0.00	0.0000
38.0	5.61	0.26	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Kuyanak #1 : 5,045 feet

File 003-225

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.28	100.0	0.00	0.0000
45.5	4.69	0.29	100.0	0.00	0.0000
49.8	4.28	0.30	100.0	0.00	0.0000
54.5	3.91	0.30	100.0	0.00	0.0000
59.6	3.58	0.30	100.0	0.00	0.0000
65.2	3.27	0.30	100.0	0.00	0.0000
71.3	2.99	0.30	100.0	0.00	0.0000
78.0	2.73	0.30	100.0	0.00	0.0000
85.3	2.50	0.31	100.0	0.00	0.0000
93.4	2.28	0.31	100.0	0.00	0.0000
102	2.09	0.31	100.0	0.00	0.0000
112	1.90	0.32	100.0	0.00	0.0000
122	1.75	0.32	100.0	0.00	0.0000
134	1.59	0.33	100.0	0.00	0.0000
146	1.46	0.33	100.0	0.00	0.0000
160	1.33	0.34	100.0	0.00	0.0000
175	1.22	0.34	100.0	0.00	0.0000
191	1.12	0.35	100.0	0.00	0.0000
209	1.02	0.35	100.0	0.00	0.0000
229	0.932	0.35	100.0	0.00	0.0000
251	0.850	0.36	100.0	0.00	0.0000
274	0.779	0.36	100.0	0.00	0.0000
300	0.711	0.37	100.0	0.00	0.0000
328	0.650	0.37	100.0	0.00	0.0000
359	0.594	0.37	100.0	0.00	0.0000
393	0.543	0.38	100.0	0.00	0.0000
430	0.496	0.38	100.0	0.00	0.0000
470	0.454	0.39	100.0	0.00	0.0000
514	0.415	0.39	100.0	0.00	0.0000
563	0.379	0.40	100.0	0.00	0.0000
615	0.347	0.41	100.0	0.00	0.0000
673	0.317	0.41	100.0	0.00	0.0000
736	0.290	0.42	100.0	0.00	0.0000
806	0.265	0.43	100.0	0.00	0.0000
881	0.242	0.43	100.0	0.00	0.0000
964	0.221	0.44	100.0	0.00	0.0000
1050	0.203	0.45	100.0	0.00	0.0000
1150	0.186	0.46	100.0	0.00	0.0000
1260	0.169	0.47	100.0	0.00	0.0000
1380	0.155	0.48	100.0	0.00	0.0000
1510	0.141	0.49	100.0	0.00	0.0000
1650	0.129	0.50	100.0	0.00	0.0000

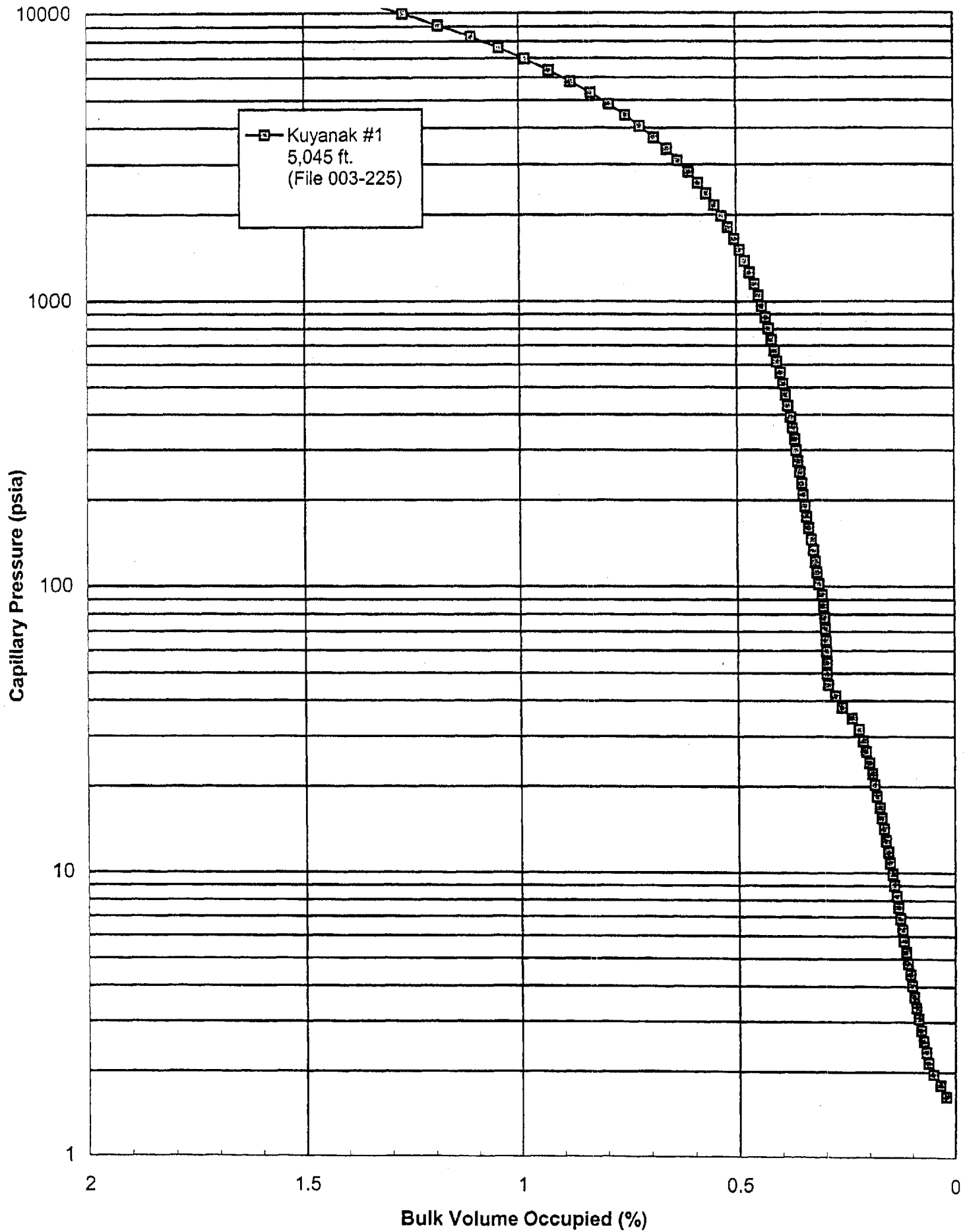
Mercury Injection Capillary Pressure

Kuyanak #1 : 5,045 feet

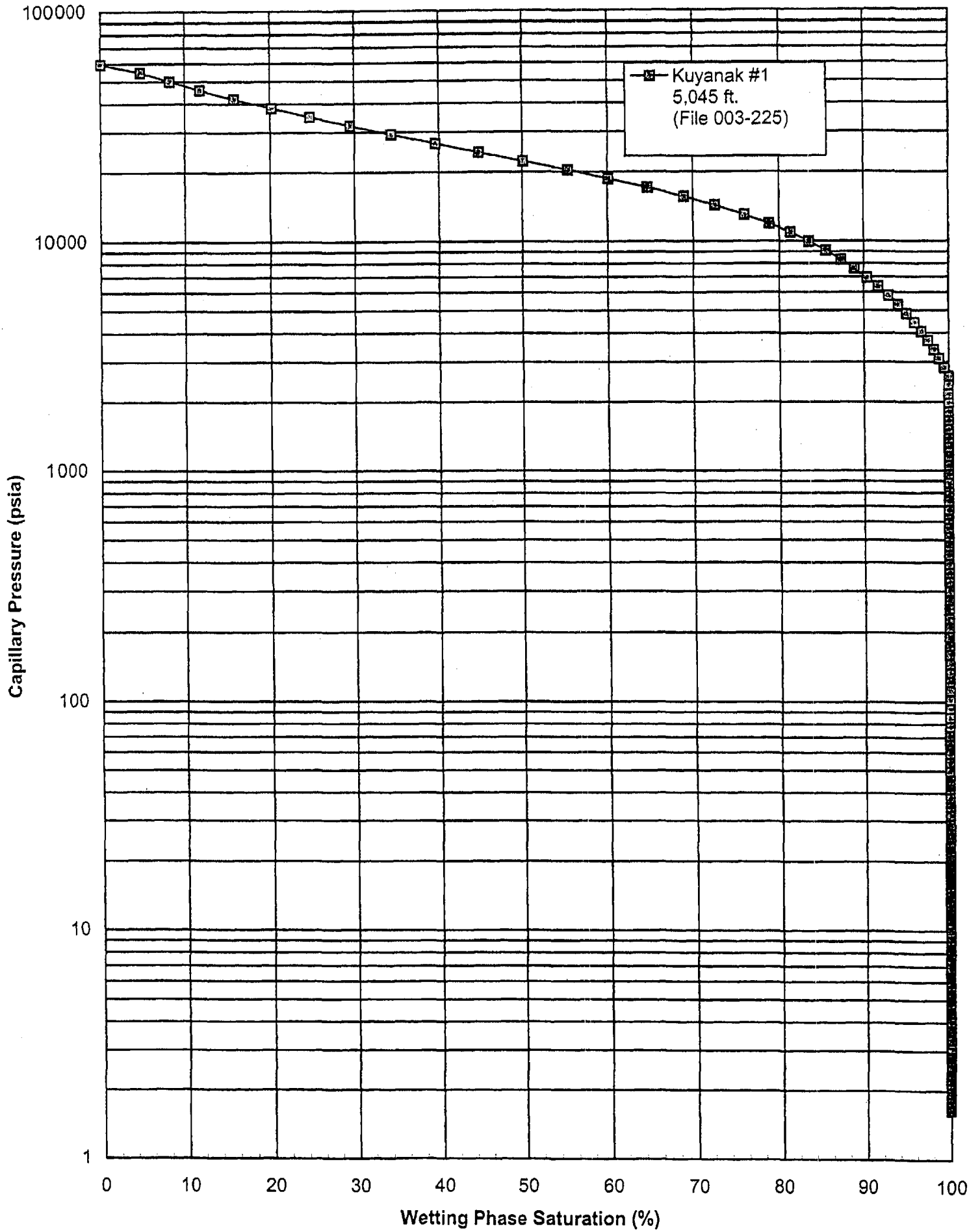
File 003-225

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.52	100.0	0.00	0.0000
1980	0.1077	0.53	100.0	0.00	0.0000
2160	0.0988	0.55	100.0	0.00	0.0000
2370	0.0900	0.57	100.0	0.00	0.0000
2590	0.0824	0.59	100.0	0.00	0.0000
2830	0.0754	0.61	99.5	0.52	0.0022
3100	0.0688	0.63	98.9	0.61	0.0022
3390	0.0629	0.66	98.3	0.61	0.0021
3710	0.0575	0.69	97.6	0.71	0.0022
4060	0.0525	0.72	96.8	0.78	0.0022
4440	0.0480	0.76	96.0	0.81	0.0021
4850	0.0440	0.79	95.1	0.89	0.0022
5310	0.0402	0.83	94.1	1.02	0.0022
5810	0.0367	0.88	92.9	1.13	0.0023
6360	0.0335	0.93	91.7	1.21	0.0022
6950	0.0307	0.99	90.4	1.32	0.0022
7610	0.0280	1.05	88.9	1.51	0.0023
8320	0.0256	1.11	87.3	1.59	0.0022
9100	0.0234	1.19	85.5	1.83	0.0023
9960	0.0214	1.27	83.5	1.99	0.0023
10900	0.0196	1.36	81.3	2.18	0.0023
11900	0.0179	1.46	78.8	2.46	0.0025
13000	0.0164	1.58	76.0	2.84	0.0026
14300	0.0149	1.72	72.6	3.43	0.0026
15600	0.0137	1.87	68.9	3.68	0.0028
17100	0.0125	2.05	64.7	4.21	0.0028
18700	0.0114	2.24	60.1	4.60	0.0029
20400	0.0105	2.44	55.3	4.79	0.0028
22300	0.0096	2.65	50.1	5.19	0.0027
24400	0.0087	2.87	44.8	5.36	0.0026
26700	0.0080	3.09	39.6	5.18	0.0023
29300	0.0073	3.30	34.4	5.22	0.0020
32000	0.0067	3.51	29.5	4.89	0.0018
35000	0.0061	3.71	24.6	4.82	0.0016
38300	0.0056	3.89	20.2	4.48	0.0014
41900	0.0051	4.07	15.8	4.36	0.0012
45800	0.0047	4.23	11.8	3.96	0.0010
50100	0.0043	4.38	8.2	3.61	0.0008
54800	0.0039	4.53	4.8	3.46	0.0007
59500	0.0036	4.72	0.0	4.77	0.0010

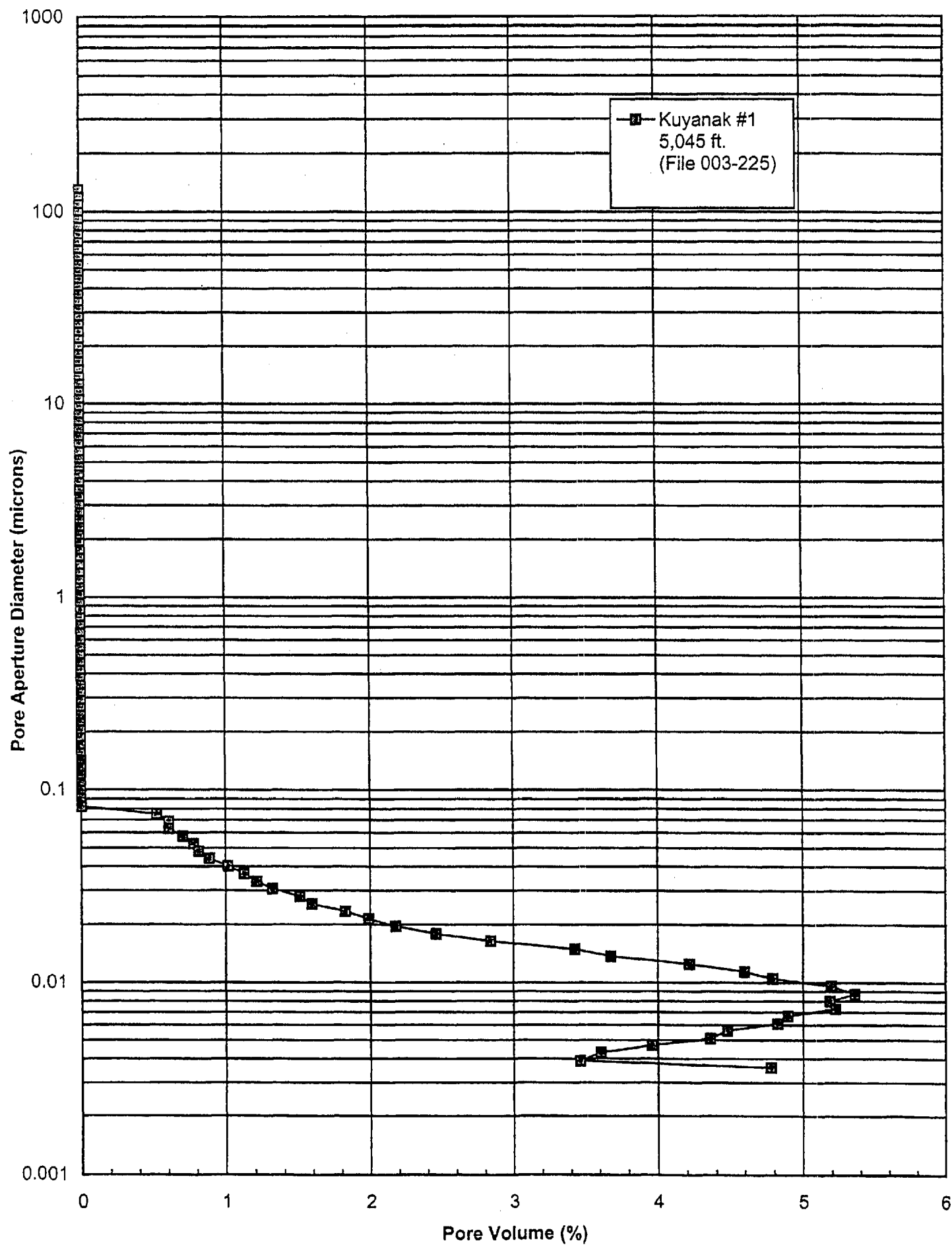
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Kuyanak 1 : 5,072.5 feet

File 003-235

Sample Information

Bulk Volume = 6.4166 cc

Pore Volume = 0.4426 cc

Closure = 0.64%BV @ 134 psia

Porosity = 6.9% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0234 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.01	100.0	0.00	0.0000
1.80	119	0.02	100.0	0.00	0.0000
1.96	109	0.04	100.0	0.00	0.0000
2.15	99.2	0.05	100.0	0.00	0.0000
2.35	90.8	0.07	100.0	0.00	0.0000
2.57	83.0	0.08	100.0	0.00	0.0000
2.81	75.9	0.09	100.0	0.00	0.0000
3.08	69.3	0.10	100.0	0.00	0.0000
3.37	63.3	0.12	100.0	0.00	0.0000
3.68	58.0	0.13	100.0	0.00	0.0000
4.03	52.9	0.13	100.0	0.00	0.0000
4.41	48.4	0.15	100.0	0.00	0.0000
4.82	44.3	0.16	100.0	0.00	0.0000
5.27	40.5	0.16	100.0	0.00	0.0000
5.77	37.0	0.19	100.0	0.00	0.0000
6.31	33.8	0.20	100.0	0.00	0.0000
6.90	30.9	0.21	100.0	0.00	0.0000
7.55	28.3	0.22	100.0	0.00	0.0000
8.26	25.8	0.23	100.0	0.00	0.0000
9.04	23.6	0.24	100.0	0.00	0.0000
9.89	21.6	0.25	100.0	0.00	0.0000
10.8	19.8	0.26	100.0	0.00	0.0000
11.8	18.1	0.27	100.0	0.00	0.0000
12.9	16.5	0.28	100.0	0.00	0.0000
14.2	15.0	0.30	100.0	0.00	0.0000
15.5	13.8	0.31	100.0	0.00	0.0000
16.9	12.6	0.32	100.0	0.00	0.0000
18.5	11.5	0.33	100.0	0.00	0.0000
20.3	10.5	0.34	100.0	0.00	0.0000
22.2	9.61	0.35	100.0	0.00	0.0000
24.3	8.78	0.36	100.0	0.00	0.0000
26.6	8.02	0.38	100.0	0.00	0.0000
29.0	7.36	0.39	100.0	0.00	0.0000
31.8	6.71	0.41	100.0	0.00	0.0000
34.8	6.13	0.43	100.0	0.00	0.0000
38.0	5.61	0.45	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Kuyanak 1 : 5,072.5 feet

File 003-235

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.47	100.0	0.00	0.0000
45.5	4.69	0.49	100.0	0.00	0.0000
49.8	4.28	0.49	100.0	0.00	0.0000
54.5	3.91	0.50	100.0	0.00	0.0000
59.6	3.58	0.51	100.0	0.00	0.0000
65.2	3.27	0.52	100.0	0.00	0.0000
71.3	2.99	0.53	100.0	0.00	0.0000
78.0	2.73	0.54	100.0	0.00	0.0000
85.3	2.50	0.56	100.0	0.00	0.0000
93.4	2.28	0.57	100.0	0.00	0.0000
102	2.09	0.59	100.0	0.00	0.0000
112	1.90	0.60	100.0	0.00	0.0000
122	1.75	0.61	100.0	0.00	0.0000
134	1.59	0.64	100.0	0.00	0.0000
146	1.46	0.67	99.5	0.46	0.0387
160	1.33	0.71	99.0	0.50	0.0358
175	1.22	0.77	98.2	0.88	0.0584
191	1.12	0.80	97.7	0.49	0.0306
209	1.02	0.86	96.8	0.90	0.0498
229	0.932	0.92	95.9	0.85	0.0424
251	0.850	0.98	95.1	0.85	0.0385
274	0.779	1.03	94.4	0.70	0.0306
300	0.711	1.07	93.7	0.65	0.0250
328	0.650	1.12	93.1	0.63	0.0224
359	0.594	1.16	92.5	0.64	0.0208
393	0.543	1.20	91.9	0.51	0.0150
430	0.496	1.23	91.4	0.53	0.0144
470	0.454	1.26	91.0	0.46	0.0114
514	0.415	1.30	90.5	0.50	0.0113
563	0.379	1.34	89.9	0.54	0.0111
615	0.347	1.37	89.4	0.47	0.0089
673	0.317	1.41	88.9	0.54	0.0093
736	0.290	1.44	88.4	0.47	0.0075
806	0.265	1.47	87.9	0.51	0.0073
881	0.242	1.50	87.5	0.45	0.0060
964	0.221	1.54	87.0	0.52	0.0062
1050	0.203	1.57	86.5	0.47	0.0055
1150	0.186	1.60	86.0	0.46	0.0046
1260	0.169	1.64	85.6	0.46	0.0042
1380	0.155	1.67	85.1	0.49	0.0041
1510	0.141	1.71	84.6	0.50	0.0039
1650	0.129	1.74	84.1	0.46	0.0033

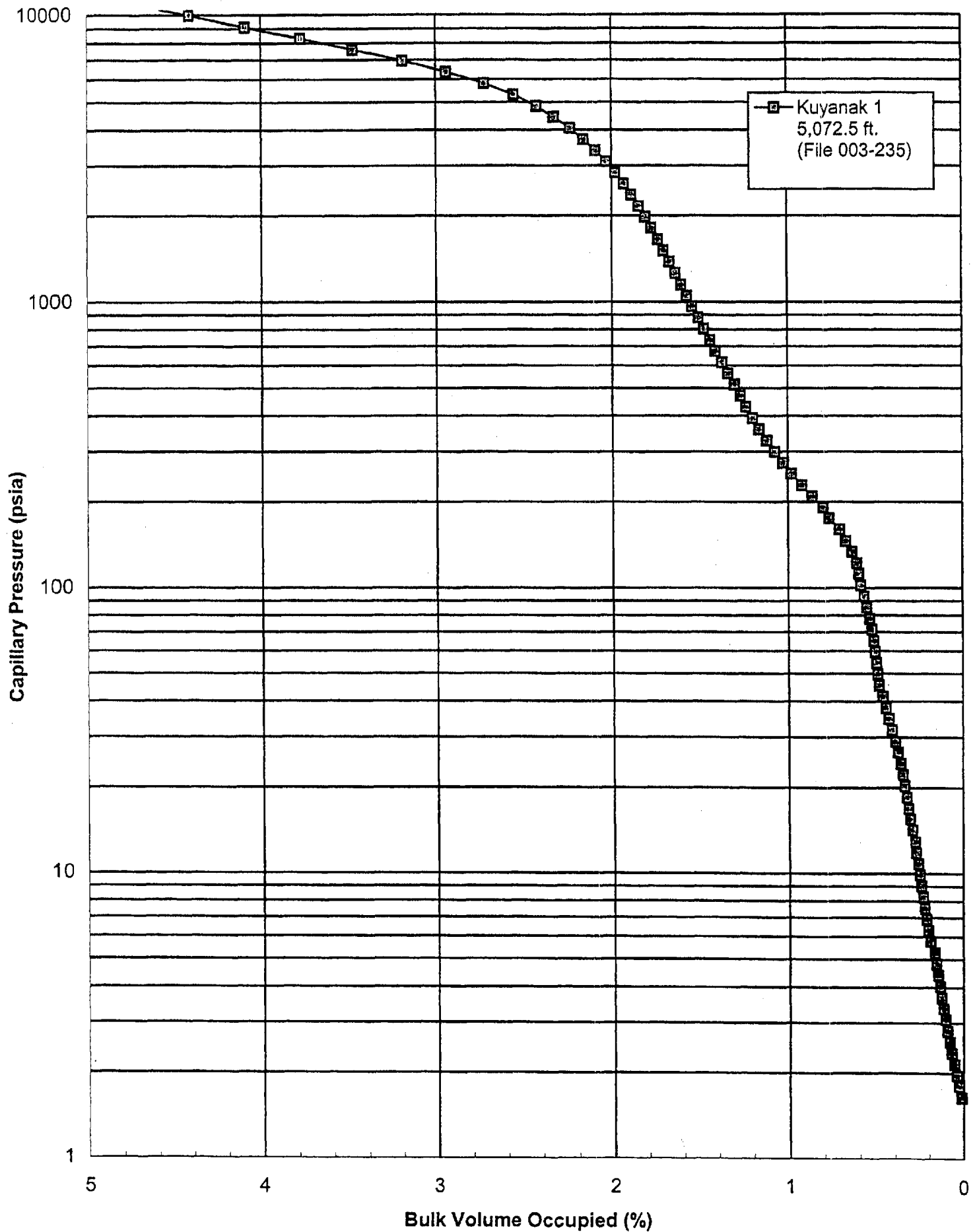
Mercury Injection Capillary Pressure

Kuyanak 1 : 5,072.5 feet

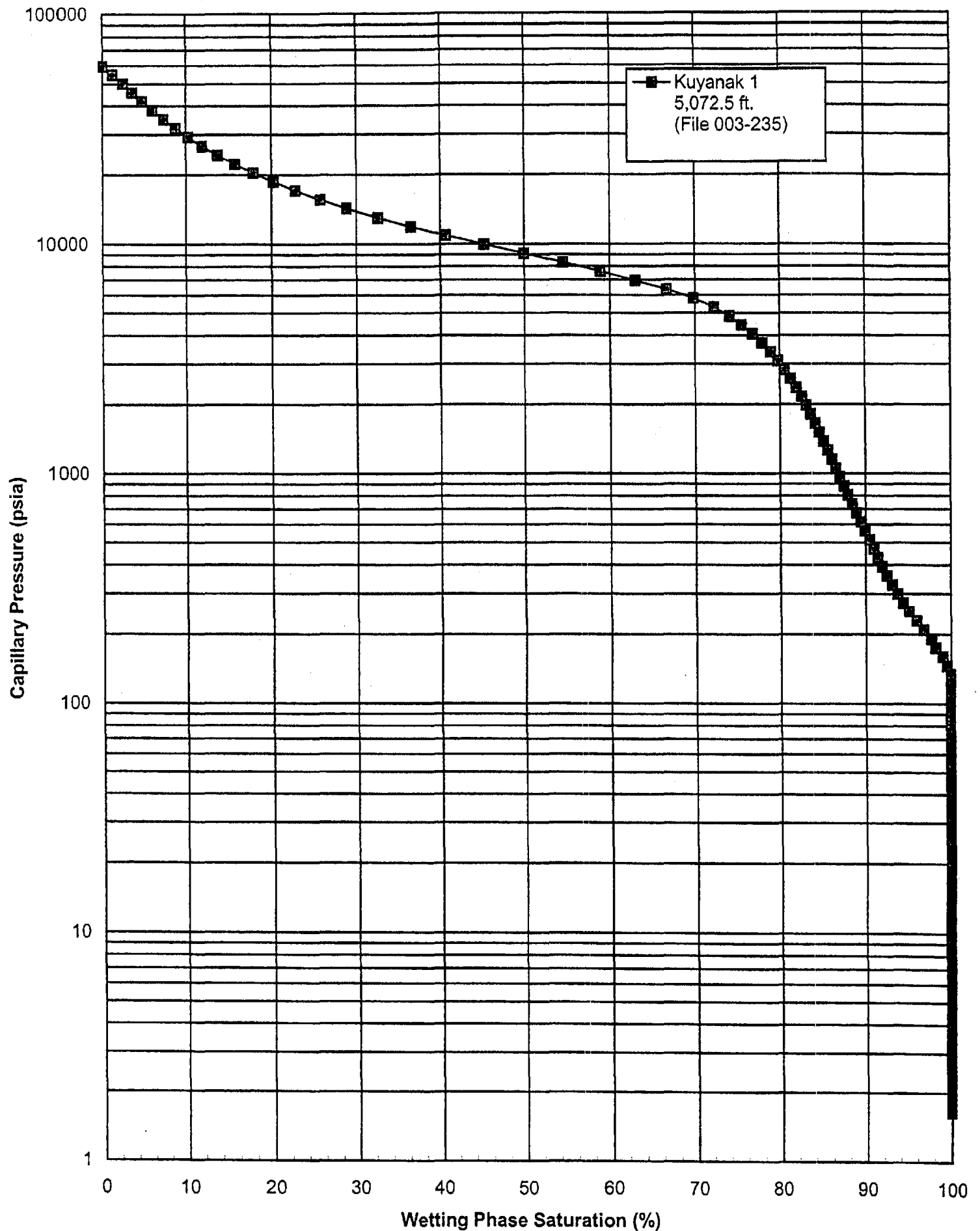
File 003-235

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	1.77	83.6	0.53	0.0033
1980	0.1077	1.81	83.1	0.51	0.0030
2160	0.0988	1.85	82.5	0.54	0.0030
2370	0.0900	1.89	81.9	0.61	0.0029
2590	0.0824	1.93	81.3	0.64	0.0029
2830	0.0754	1.98	80.6	0.69	0.0029
3100	0.0688	2.03	79.8	0.78	0.0029
3390	0.0629	2.09	78.9	0.85	0.0029
3710	0.0575	2.16	78.0	0.98	0.0031
4060	0.0525	2.23	76.9	1.09	0.0031
4440	0.0480	2.33	75.6	1.31	0.0034
4850	0.0440	2.42	74.2	1.42	0.0035
5310	0.0402	2.55	72.3	1.88	0.0041
5810	0.0367	2.72	69.8	2.47	0.0049
6360	0.0335	2.94	66.6	3.18	0.0058
6950	0.0307	3.19	63.0	3.67	0.0062
7610	0.0280	3.48	58.9	4.09	0.0062
8320	0.0256	3.78	54.5	4.33	0.0061
9100	0.0234	4.09	50.0	4.57	0.0059
9960	0.0214	4.42	45.3	4.71	0.0055
10900	0.0196	4.73	40.7	4.61	0.0049
11900	0.0179	5.02	36.4	4.22	0.0042
13000	0.0164	5.29	32.6	3.88	0.0035
14300	0.0149	5.55	28.8	3.76	0.0029
15600	0.0137	5.77	25.7	3.10	0.0024
17100	0.0125	5.97	22.8	2.91	0.0019
18700	0.0114	6.14	20.2	2.59	0.0016
20400	0.0105	6.30	17.9	2.29	0.0013
22300	0.0096	6.45	15.8	2.11	0.0011
24400	0.0087	6.58	13.8	1.98	0.0009
26700	0.0080	6.71	12.0	1.81	0.0008
29300	0.0073	6.83	10.3	1.72	0.0007
32000	0.0067	6.93	8.8	1.53	0.0006
35000	0.0061	7.03	7.3	1.46	0.0005
38300	0.0056	7.13	5.9	1.35	0.0004
41900	0.0051	7.22	4.7	1.27	0.0004
45800	0.0047	7.30	3.5	1.16	0.0003
50100	0.0043	7.37	2.4	1.09	0.0003
54800	0.0039	7.46	1.2	1.25	0.0003
59500	0.0036	7.54	0.0	1.17	0.0002

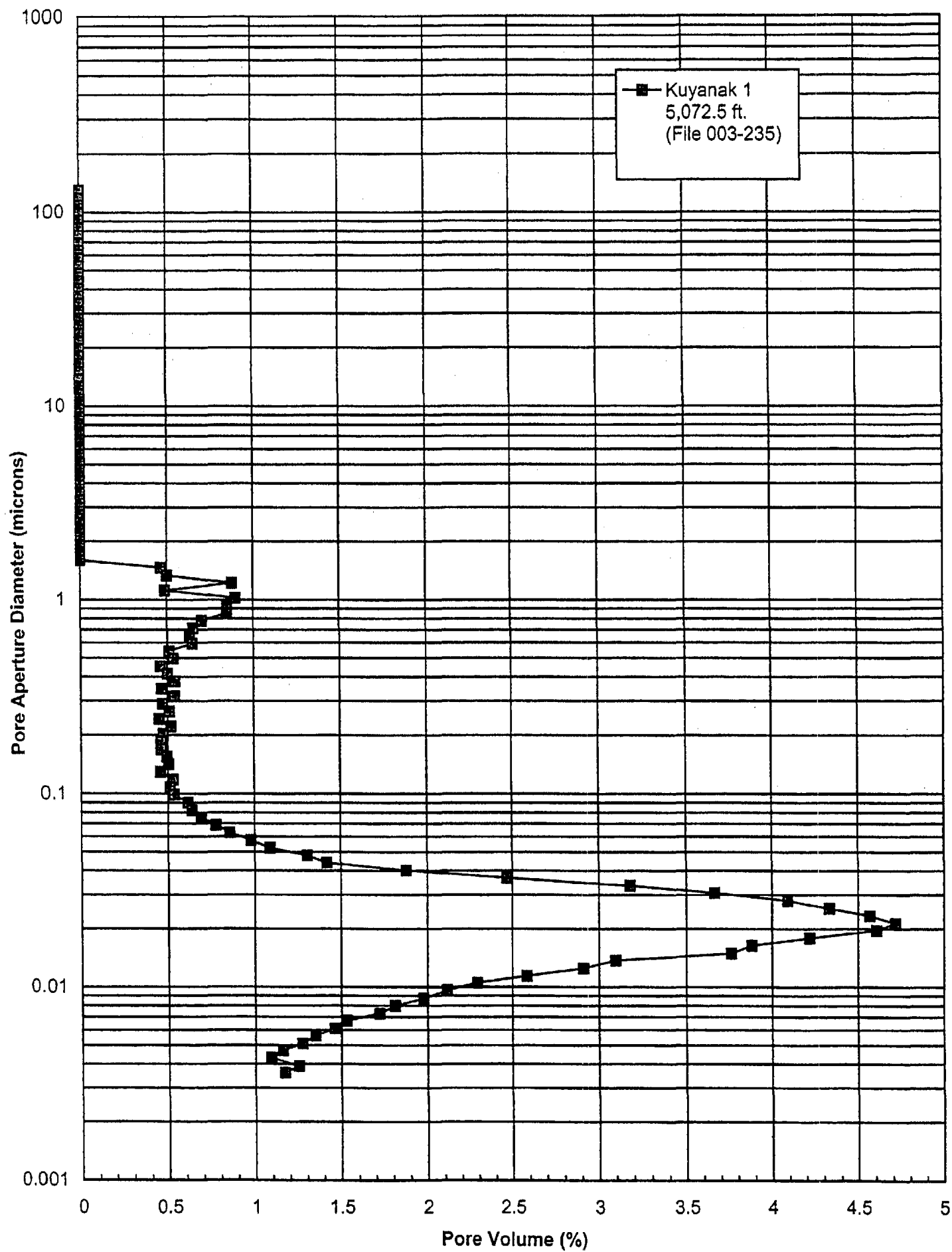
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Kuyanak 1 : 5,073 feet

File 003-232

Sample Information

Bulk Volume = 5.0098 cc

Pore Volume = 0.161528 cc

Closure = 0.39%BV @ 5810 psia

Porosity = 3.22% (mercury)

Permeability = 0.0001 md (mercury)

Median Pore Aperture = 0.0133 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.00	100.0	0.00	0.0000
1.80	119	0.01	100.0	0.00	0.0000
1.96	109	0.01	100.0	0.00	0.0000
2.15	99.2	0.01	100.0	0.00	0.0000
2.35	90.8	0.02	100.0	0.00	0.0000
2.57	83.0	0.02	100.0	0.00	0.0000
2.81	75.9	0.02	100.0	0.00	0.0000
3.08	69.3	0.03	100.0	0.00	0.0000
3.37	63.3	0.03	100.0	0.00	0.0000
3.68	58.0	0.03	100.0	0.00	0.0000
4.03	52.9	0.04	100.0	0.00	0.0000
4.41	48.4	0.04	100.0	0.00	0.0000
4.82	44.3	0.04	100.0	0.00	0.0000
5.27	40.5	0.05	100.0	0.00	0.0000
5.77	37.0	0.05	100.0	0.00	0.0000
6.31	33.8	0.05	100.0	0.00	0.0000
6.90	30.9	0.06	100.0	0.00	0.0000
7.55	28.3	0.06	100.0	0.00	0.0000
8.26	25.8	0.06	100.0	0.00	0.0000
9.04	23.6	0.07	100.0	0.00	0.0000
9.89	21.6	0.07	100.0	0.00	0.0000
10.8	19.8	0.07	100.0	0.00	0.0000
11.8	18.1	0.08	100.0	0.00	0.0000
12.9	16.5	0.08	100.0	0.00	0.0000
14.2	15.0	0.08	100.0	0.00	0.0000
15.5	13.8	0.09	100.0	0.00	0.0000
16.9	12.6	0.09	100.0	0.00	0.0000
18.5	11.5	0.09	100.0	0.00	0.0000
20.3	10.5	0.10	100.0	0.00	0.0000
22.2	9.61	0.11	100.0	0.00	0.0000
24.3	8.78	0.11	100.0	0.00	0.0000
26.6	8.02	0.12	100.0	0.00	0.0000
29.0	7.36	0.13	100.0	0.00	0.0000
31.8	6.71	0.13	100.0	0.00	0.0000
34.8	6.13	0.14	100.0	0.00	0.0000
38.0	5.61	0.15	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Kuyanak 1 : 5,073 feet

File 003-232

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.17	100.0	0.00	0.0000
45.5	4.69	0.19	100.0	0.00	0.0000
49.8	4.28	0.19	100.0	0.00	0.0000
54.5	3.91	0.19	100.0	0.00	0.0000
59.6	3.58	0.19	100.0	0.00	0.0000
65.2	3.27	0.19	100.0	0.00	0.0000
71.3	2.99	0.19	100.0	0.00	0.0000
78.0	2.73	0.20	100.0	0.00	0.0000
85.3	2.50	0.20	100.0	0.00	0.0000
93.4	2.28	0.20	100.0	0.00	0.0000
102	2.09	0.20	100.0	0.00	0.0000
112	1.90	0.20	100.0	0.00	0.0000
122	1.75	0.20	100.0	0.00	0.0000
134	1.59	0.20	100.0	0.00	0.0000
146	1.46	0.21	100.0	0.00	0.0000
160	1.33	0.21	100.0	0.00	0.0000
175	1.22	0.21	100.0	0.00	0.0000
191	1.12	0.21	100.0	0.00	0.0000
209	1.02	0.21	100.0	0.00	0.0000
229	0.932	0.21	100.0	0.00	0.0000
251	0.850	0.21	100.0	0.00	0.0000
274	0.779	0.22	100.0	0.00	0.0000
300	0.711	0.22	100.0	0.00	0.0000
328	0.650	0.22	100.0	0.00	0.0000
359	0.594	0.22	100.0	0.00	0.0000
393	0.543	0.22	100.0	0.00	0.0000
430	0.496	0.22	100.0	0.00	0.0000
470	0.454	0.23	100.0	0.00	0.0000
514	0.415	0.23	100.0	0.00	0.0000
563	0.379	0.23	100.0	0.00	0.0000
615	0.347	0.23	100.0	0.00	0.0000
673	0.317	0.23	100.0	0.00	0.0000
736	0.290	0.24	100.0	0.00	0.0000
806	0.265	0.24	100.0	0.00	0.0000
881	0.242	0.24	100.0	0.00	0.0000
964	0.221	0.25	100.0	0.00	0.0000
1050	0.203	0.25	100.0	0.00	0.0000
1150	0.186	0.25	100.0	0.00	0.0000
1260	0.169	0.26	100.0	0.00	0.0000
1380	0.155	0.26	100.0	0.00	0.0000
1510	0.141	0.26	100.0	0.00	0.0000
1650	0.129	0.27	100.0	0.00	0.0000

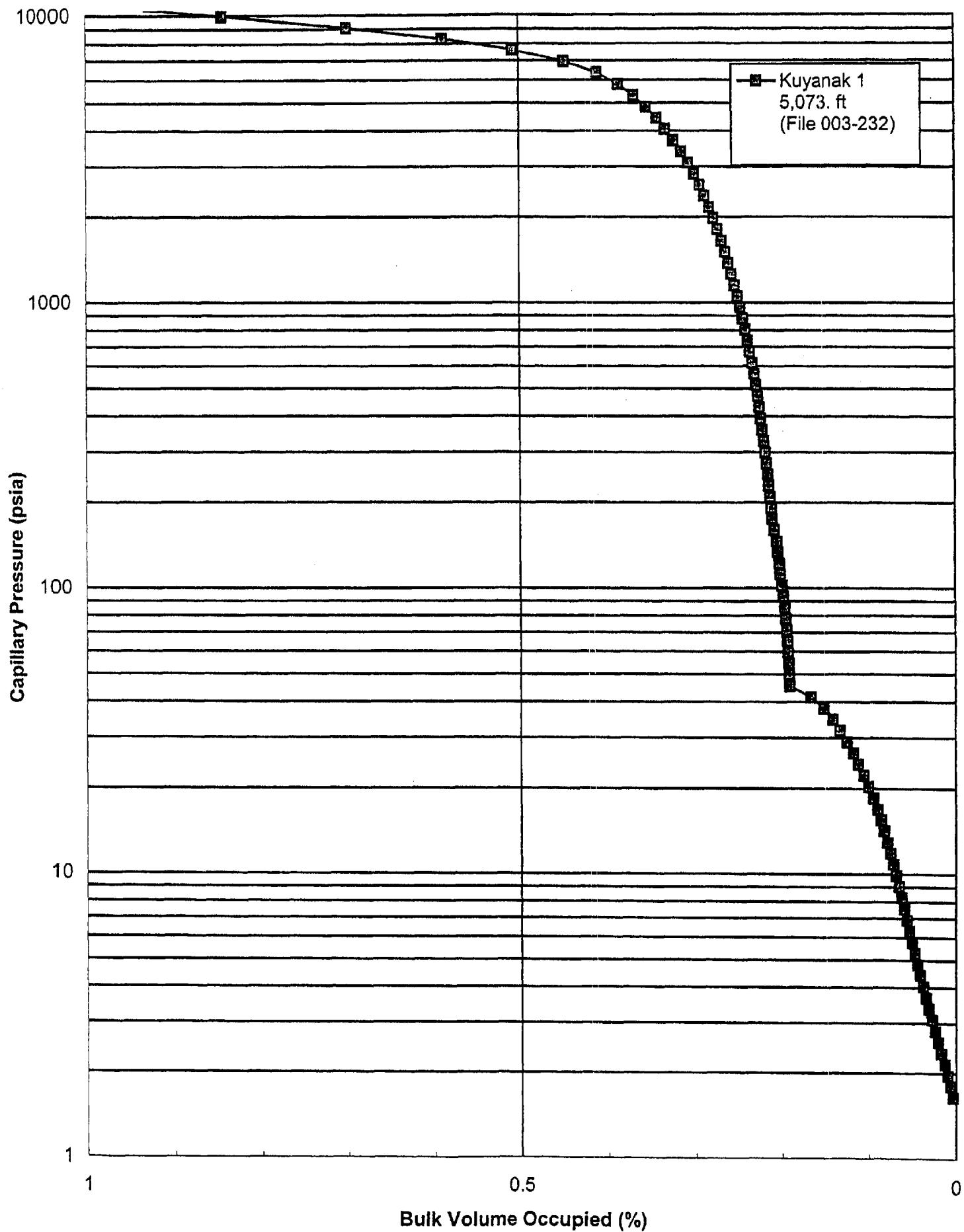
Mercury Injection Capillary Pressure

Kuyanak 1 : 5,073 feet

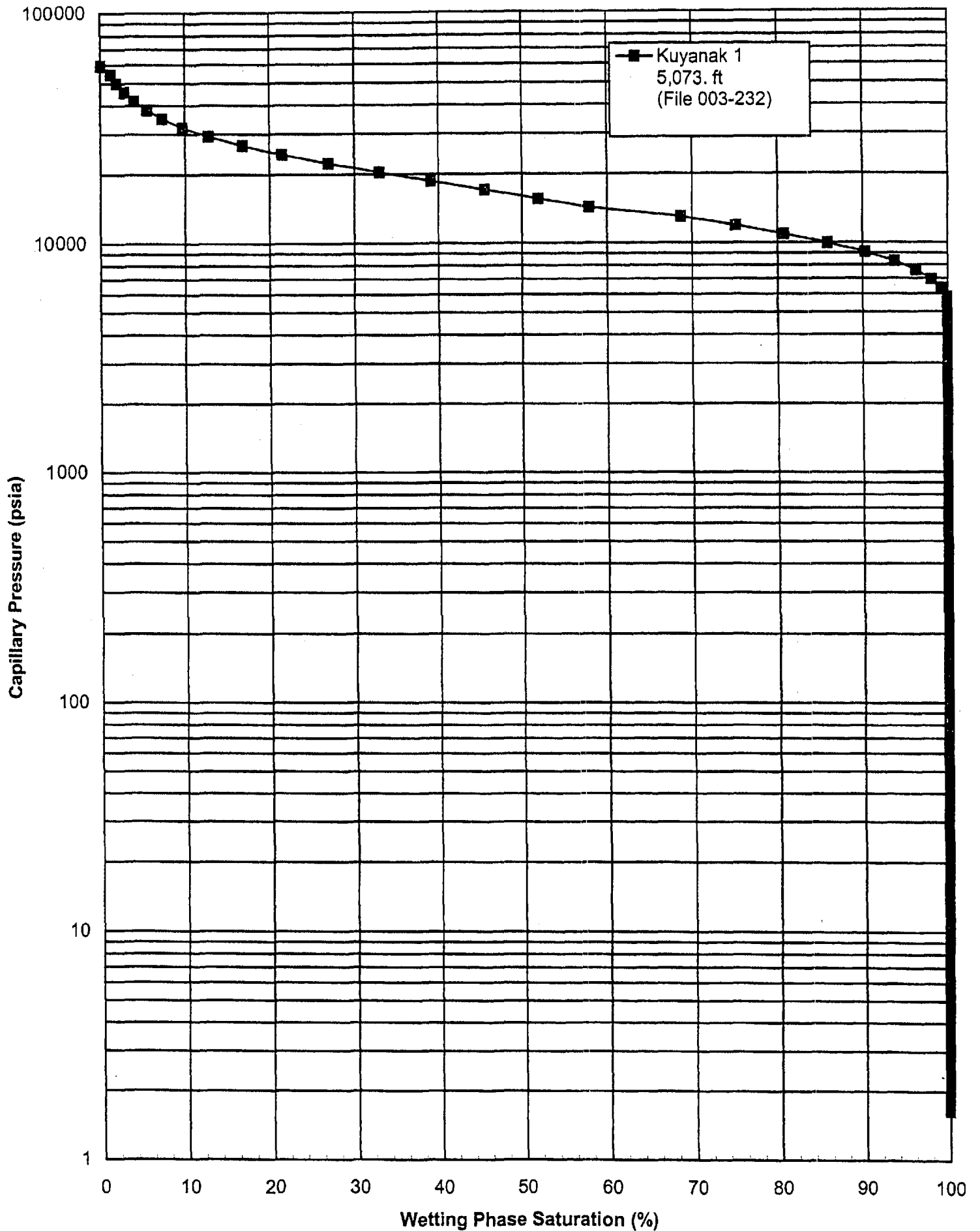
File 003-232

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.27	100.0	0.00	0.0000
1980	0.1077	0.28	100.0	0.00	0.0000
2160	0.0988	0.28	100.0	0.00	0.0000
2370	0.0900	0.29	100.0	0.00	0.0000
2590	0.0824	0.29	100.0	0.00	0.0000
2830	0.0754	0.30	100.0	0.00	0.0000
3100	0.0688	0.31	100.0	0.00	0.0000
3390	0.0629	0.31	100.0	0.00	0.0000
3710	0.0575	0.32	100.0	0.00	0.0000
4060	0.0525	0.33	100.0	0.00	0.0000
4440	0.0480	0.34	100.0	0.00	0.0000
4850	0.0440	0.35	100.0	0.00	0.0000
5310	0.0402	0.37	100.0	0.00	0.0000
5810	0.0367	0.39	100.0	0.00	0.0000
6360	0.0335	0.41	99.2	0.78	0.0014
6950	0.0307	0.45	98.1	1.15	0.0020
7610	0.0280	0.51	96.2	1.86	0.0028
8320	0.0256	0.59	93.7	2.52	0.0036
9100	0.0234	0.70	90.3	3.42	0.0044
9960	0.0214	0.84	85.8	4.47	0.0052
10900	0.0196	1.01	80.7	5.10	0.0054
11900	0.0179	1.19	75.1	5.56	0.0056
13000	0.0164	1.40	68.7	6.46	0.0059
14300	0.0149	1.74	57.9	10.80	0.0083
15600	0.0137	1.94	51.9	5.96	0.0046
17100	0.0125	2.14	45.5	6.41	0.0043
18700	0.0114	2.35	39.0	6.50	0.0041
20400	0.0105	2.55	32.9	6.07	0.0036
22300	0.0096	2.74	26.9	5.99	0.0032
24400	0.0087	2.92	21.5	5.47	0.0026
26700	0.0080	3.07	16.8	4.64	0.0020
29300	0.0073	3.20	12.8	3.99	0.0015
32000	0.0067	3.30	9.7	3.09	0.0011
35000	0.0061	3.37	7.4	2.37	0.0008
38300	0.0056	3.43	5.5	1.84	0.0006
41900	0.0051	3.48	4.0	1.53	0.0004
45800	0.0047	3.52	2.8	1.18	0.0003
50100	0.0043	3.55	1.9	0.92	0.0002
54800	0.0039	3.57	1.2	0.68	0.0001
59500	0.0036	3.61	0.0	1.22	0.0003

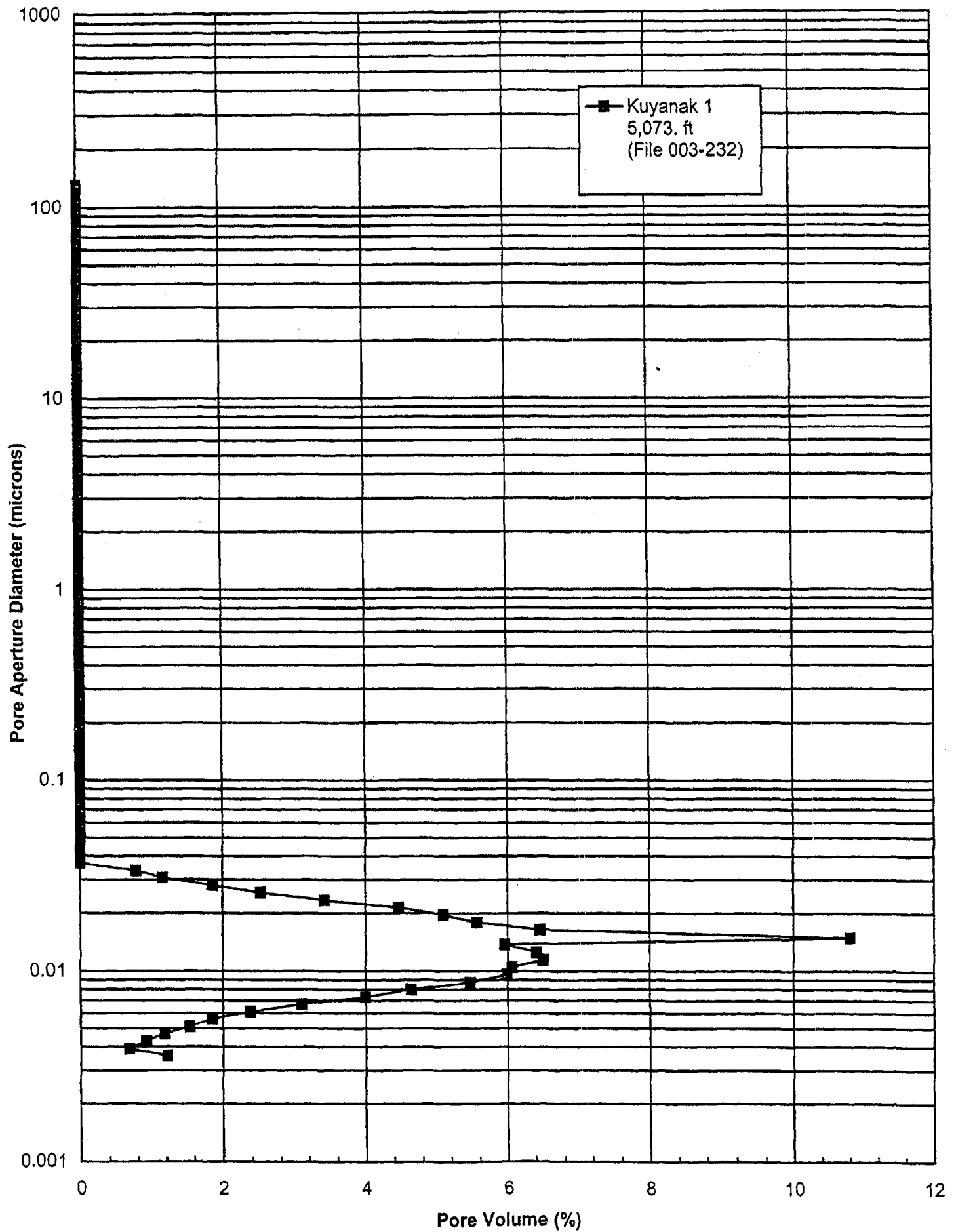
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Simpson TW 1 : 6,490 feet

File 003-226

Sample Information

Bulk Volume = 6.7571 cc

Pore Volume = 0.1312 cc

Closure = 0.35%BV @ 1150 psia

Porosity = 1.94% (mercury)

Permeability = 0.0003 md (mercury)

Median Pore Aperture = 0.0284 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.00	100.0	0.00	0.0000
1.80	119	0.01	100.0	0.00	0.0000
1.96	109	0.01	100.0	0.00	0.0000
2.15	99.2	0.02	100.0	0.00	0.0000
2.35	90.8	0.02	100.0	0.00	0.0000
2.57	83.0	0.02	100.0	0.00	0.0000
2.81	75.9	0.03	100.0	0.00	0.0000
3.08	69.3	0.03	100.0	0.00	0.0000
3.37	63.3	0.04	100.0	0.00	0.0000
3.68	58.0	0.04	100.0	0.00	0.0000
4.03	52.9	0.04	100.0	0.00	0.0000
4.41	48.4	0.05	100.0	0.00	0.0000
4.82	44.3	0.05	100.0	0.00	0.0000
5.27	40.5	0.05	100.0	0.00	0.0000
5.77	37.0	0.06	100.0	0.00	0.0000
6.31	33.8	0.06	100.0	0.00	0.0000
6.90	30.9	0.06	100.0	0.00	0.0000
7.55	28.3	0.06	100.0	0.00	0.0000
8.26	25.8	0.07	100.0	0.00	0.0000
9.04	23.6	0.07	100.0	0.00	0.0000
9.89	21.6	0.07	100.0	0.00	0.0000
10.8	19.8	0.07	100.0	0.00	0.0000
11.8	18.1	0.08	100.0	0.00	0.0000
12.9	16.5	0.08	100.0	0.00	0.0000
14.2	15.0	0.09	100.0	0.00	0.0000
15.5	13.8	0.09	100.0	0.00	0.0000
16.9	12.6	0.09	100.0	0.00	0.0000
18.5	11.5	0.10	100.0	0.00	0.0000
20.3	10.5	0.11	100.0	0.00	0.0000
22.2	9.61	0.11	100.0	0.00	0.0000
24.3	8.78	0.12	100.0	0.00	0.0000
26.6	8.02	0.13	100.0	0.00	0.0000
29.0	7.36	0.14	100.0	0.00	0.0000
31.8	6.71	0.15	100.0	0.00	0.0000
34.8	6.13	0.16	100.0	0.00	0.0000
38.0	5.61	0.17	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Simpson TW 1 : 6,490 feet

File 003-226

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.18	100.0	0.00	0.0000
45.5	4.69	0.19	100.0	0.00	0.0000
49.8	4.28	0.20	100.0	0.00	0.0000
54.5	3.91	0.20	100.0	0.00	0.0000
59.6	3.58	0.20	100.0	0.00	0.0000
65.2	3.27	0.20	100.0	0.00	0.0000
71.3	2.99	0.20	100.0	0.00	0.0000
78.0	2.73	0.21	100.0	0.00	0.0000
85.3	2.50	0.21	100.0	0.00	0.0000
93.4	2.28	0.21	100.0	0.00	0.0000
102	2.09	0.21	100.0	0.00	0.0000
112	1.90	0.22	100.0	0.00	0.0000
122	1.75	0.22	100.0	0.00	0.0000
134	1.59	0.22	100.0	0.00	0.0000
146	1.46	0.23	100.0	0.00	0.0000
160	1.33	0.23	100.0	0.00	0.0000
175	1.22	0.24	100.0	0.00	0.0000
191	1.12	0.24	100.0	0.00	0.0000
209	1.02	0.24	100.0	0.00	0.0000
229	0.932	0.25	100.0	0.00	0.0000
251	0.850	0.25	100.0	0.00	0.0000
274	0.779	0.26	100.0	0.00	0.0000
300	0.711	0.26	100.0	0.00	0.0000
328	0.650	0.27	100.0	0.00	0.0000
359	0.594	0.27	100.0	0.00	0.0000
393	0.543	0.27	100.0	0.00	0.0000
430	0.496	0.28	100.0	0.00	0.0000
470	0.454	0.29	100.0	0.00	0.0000
514	0.415	0.29	100.0	0.00	0.0000
563	0.379	0.30	100.0	0.00	0.0000
615	0.347	0.30	100.0	0.00	0.0000
673	0.317	0.31	100.0	0.00	0.0000
736	0.290	0.32	100.0	0.00	0.0000
806	0.265	0.32	100.0	0.00	0.0000
881	0.242	0.33	100.0	0.00	0.0000
964	0.221	0.34	100.0	0.00	0.0000
1050	0.203	0.35	100.0	0.00	0.0000
1150	0.186	0.35	100.0	0.00	0.0000
1260	0.169	0.36	99.5	0.48	0.0044
1380	0.155	0.37	99.0	0.56	0.0046
1510	0.141	0.39	98.3	0.70	0.0054
1650	0.129	0.40	97.4	0.81	0.0058

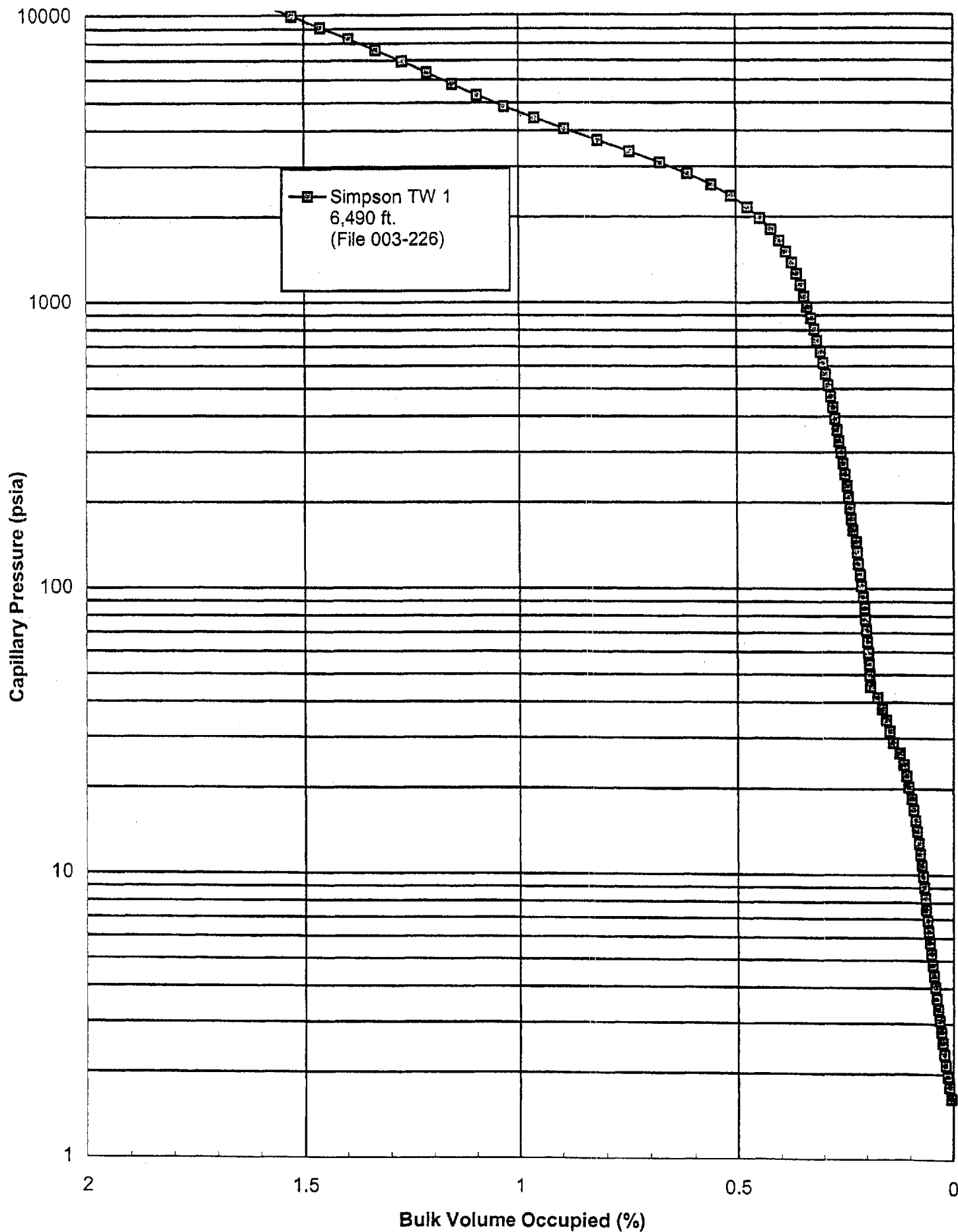
Mercury Injection Capillary Pressure

Simpson TW 1 : 6,490 feet

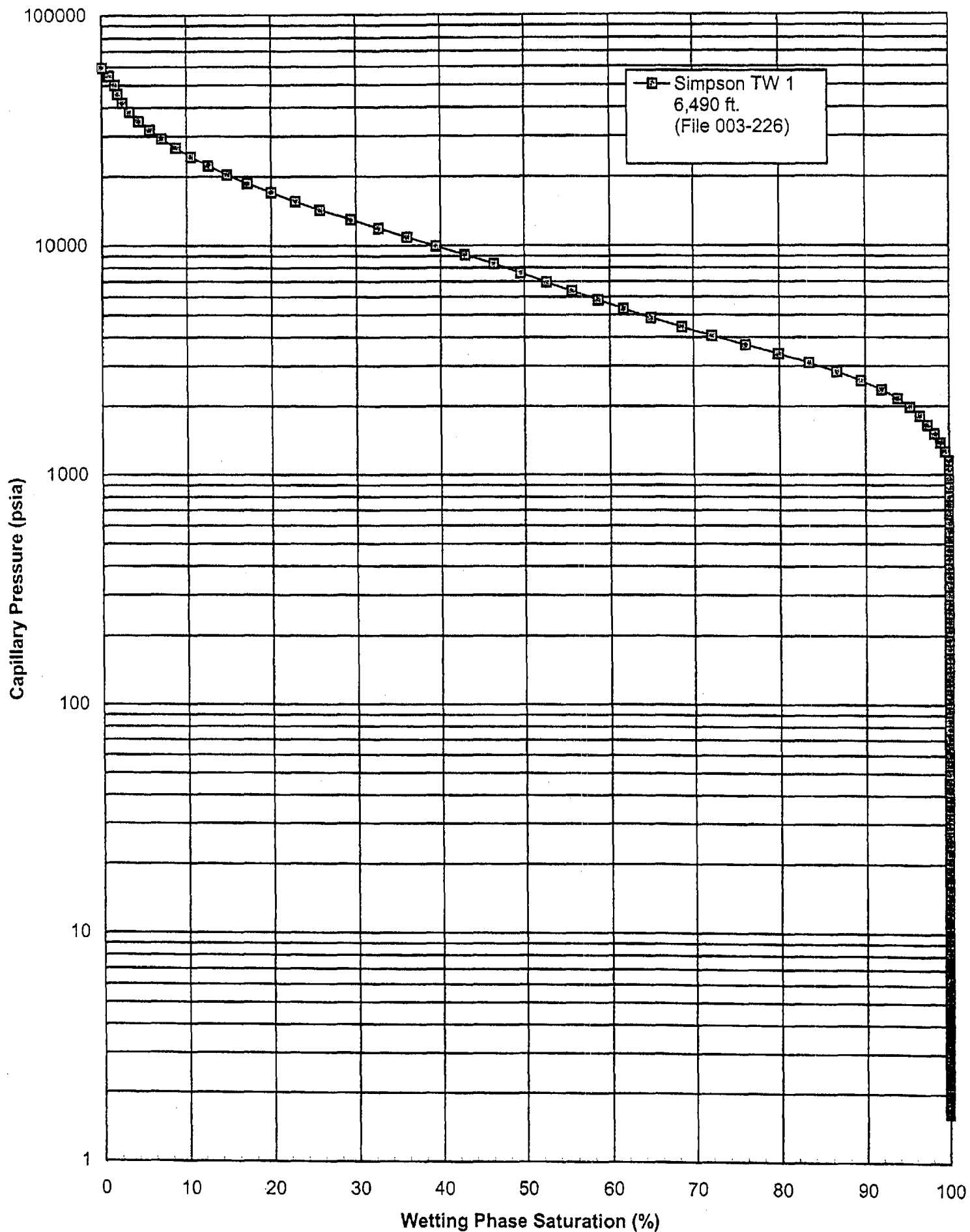
File 003-226

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.42	96.5	0.92	0.0058
1980	0.1077	0.44	95.3	1.20	0.0070
2160	0.0988	0.47	93.8	1.50	0.0083
2370	0.0900	0.51	91.9	1.93	0.0092
2590	0.0824	0.56	89.5	2.41	0.0110
2830	0.0754	0.61	86.6	2.87	0.0120
3100	0.0688	0.67	83.5	3.16	0.0117
3390	0.0629	0.74	79.9	3.56	0.0123
3710	0.0575	0.82	76.1	3.79	0.0119
4060	0.0525	0.89	72.2	3.94	0.0112
4440	0.0480	0.96	68.6	3.53	0.0093
4850	0.0440	1.03	64.9	3.72	0.0091
5310	0.0402	1.10	61.6	3.30	0.0072
5810	0.0367	1.16	58.7	2.96	0.0059
6360	0.0335	1.22	55.6	3.05	0.0055
6950	0.0307	1.27	52.6	2.97	0.0050
7610	0.0280	1.33	49.5	3.09	0.0047
8320	0.0256	1.40	46.3	3.24	0.0046
9100	0.0234	1.46	42.9	3.41	0.0044
9960	0.0214	1.53	39.5	3.42	0.0040
10900	0.0196	1.60	36.0	3.44	0.0037
11900	0.0179	1.66	32.6	3.41	0.0034
13000	0.0164	1.73	29.3	3.29	0.0030
14300	0.0149	1.80	25.7	3.64	0.0028
15600	0.0137	1.85	22.8	2.87	0.0022
17100	0.0125	1.91	20.0	2.83	0.0019
18700	0.0114	1.96	17.2	2.76	0.0017
20400	0.0105	2.01	14.9	2.39	0.0014
22300	0.0096	2.05	12.7	2.21	0.0012
24400	0.0087	2.09	10.6	2.10	0.0010
26700	0.0080	2.13	8.7	1.83	0.0008
29300	0.0073	2.16	7.0	1.72	0.0007
32000	0.0067	2.19	5.6	1.44	0.0005
35000	0.0061	2.21	4.3	1.27	0.0004
38300	0.0056	2.23	3.2	1.04	0.0003
41900	0.0051	2.25	2.4	0.86	0.0002
45800	0.0047	2.26	1.8	0.57	0.0001
50100	0.0043	2.27	1.5	0.34	0.0001
54800	0.0039	2.28	0.8	0.68	0.0001
59500	0.0036	2.29	0.0	0.80	0.0002

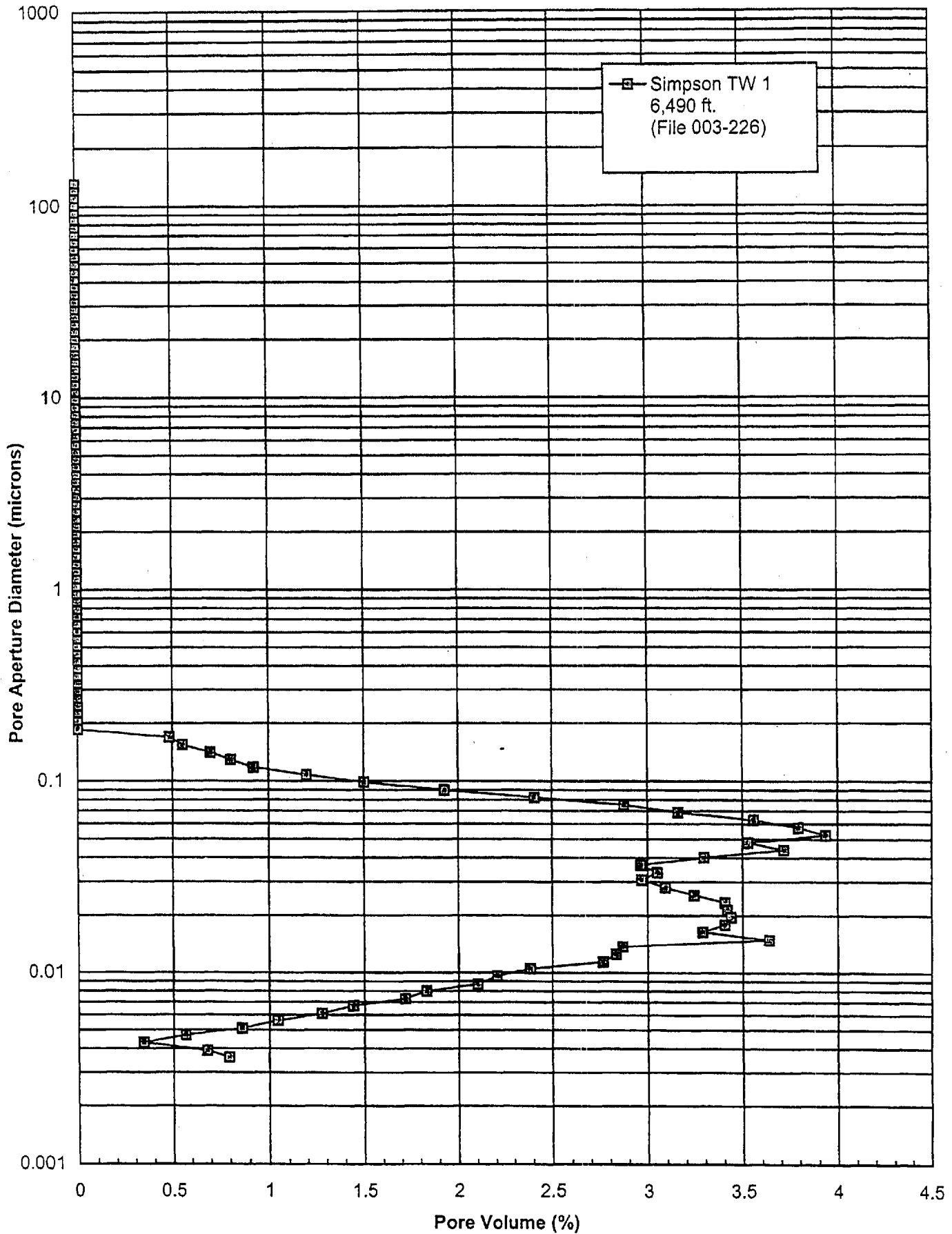
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

South Meade 1 : 4,950.5 feet

File 003-227

Sample Information

Bulk Volume = 7.6572 cc

Pore Volume = 0.3001 cc

Closure = 0.40%BV @ 2830 psia

Porosity = 3.92% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0091 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.00	100.0	0.00	0.0000
1.80	119	0.01	100.0	0.00	0.0000
1.96	109	0.01	100.0	0.00	0.0000
2.15	99.2	0.02	100.0	0.00	0.0000
2.35	90.8	0.02	100.0	0.00	0.0000
2.57	83.0	0.02	100.0	0.00	0.0000
2.81	75.9	0.03	100.0	0.00	0.0000
3.08	69.3	0.03	100.0	0.00	0.0000
3.37	63.3	0.03	100.0	0.00	0.0000
3.68	58.0	0.03	100.0	0.00	0.0000
4.03	52.9	0.04	100.0	0.00	0.0000
4.41	48.4	0.04	100.0	0.00	0.0000
4.82	44.3	0.04	100.0	0.00	0.0000
5.27	40.5	0.04	100.0	0.00	0.0000
5.77	37.0	0.05	100.0	0.00	0.0000
6.31	33.8	0.05	100.0	0.00	0.0000
6.90	30.9	0.05	100.0	0.00	0.0000
7.55	28.3	0.06	100.0	0.00	0.0000
8.26	25.8	0.06	100.0	0.00	0.0000
9.04	23.6	0.06	100.0	0.00	0.0000
9.89	21.6	0.06	100.0	0.00	0.0000
10.8	19.8	0.07	100.0	0.00	0.0000
11.8	18.1	0.07	100.0	0.00	0.0000
12.9	16.5	0.07	100.0	0.00	0.0000
14.2	15.0	0.07	100.0	0.00	0.0000
15.5	13.8	0.08	100.0	0.00	0.0000
16.9	12.6	0.08	100.0	0.00	0.0000
18.5	11.5	0.08	100.0	0.00	0.0000
20.3	10.5	0.09	100.0	0.00	0.0000
22.2	9.61	0.09	100.0	0.00	0.0000
24.3	8.78	0.10	100.0	0.00	0.0000
26.6	8.02	0.10	100.0	0.00	0.0000
29.0	7.36	0.11	100.0	0.00	0.0000
31.8	6.71	0.11	100.0	0.00	0.0000
34.8	6.13	0.12	100.0	0.00	0.0000
38.0	5.61	0.12	100.0	0.00	0.0000



Mercury Injection Capillary Pressure

South Meade 1 : 4,950.5 feet

File 003-227

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.13	100.0	0.00	0.0000
45.5	4.69	0.14	100.0	0.00	0.0000
49.8	4.28	0.14	100.0	0.00	0.0000
54.5	3.91	0.15	100.0	0.00	0.0000
59.6	3.58	0.15	100.0	0.00	0.0000
65.2	3.27	0.15	100.0	0.00	0.0000
71.3	2.99	0.15	100.0	0.00	0.0000
78.0	2.73	0.16	100.0	0.00	0.0000
85.3	2.50	0.16	100.0	0.00	0.0000
93.4	2.28	0.16	100.0	0.00	0.0000
102	2.09	0.16	100.0	0.00	0.0000
112	1.90	0.16	100.0	0.00	0.0000
122	1.75	0.17	100.0	0.00	0.0000
134	1.59	0.17	100.0	0.00	0.0000
146	1.46	0.17	100.0	0.00	0.0000
160	1.33	0.18	100.0	0.00	0.0000
175	1.22	0.18	100.0	0.00	0.0000
191	1.12	0.18	100.0	0.00	0.0000
209	1.02	0.19	100.0	0.00	0.0000
229	0.932	0.19	100.0	0.00	0.0000
251	0.850	0.19	100.0	0.00	0.0000
274	0.779	0.19	100.0	0.00	0.0000
300	0.711	0.20	100.0	0.00	0.0000
328	0.650	0.20	100.0	0.00	0.0000
359	0.594	0.20	100.0	0.00	0.0000
393	0.543	0.21	100.0	0.00	0.0000
430	0.496	0.22	100.0	0.00	0.0000
470	0.454	0.22	100.0	0.00	0.0000
514	0.415	0.22	100.0	0.00	0.0000
563	0.379	0.23	100.0	0.00	0.0000
615	0.347	0.23	100.0	0.00	0.0000
673	0.317	0.24	100.0	0.00	0.0000
736	0.290	0.24	100.0	0.00	0.0000
806	0.265	0.25	100.0	0.00	0.0000
881	0.242	0.25	100.0	0.00	0.0000
964	0.221	0.26	100.0	0.00	0.0000
1050	0.203	0.27	100.0	0.00	0.0000
1150	0.186	0.28	100.0	0.00	0.0000
1260	0.169	0.29	100.0	0.00	0.0000
1380	0.155	0.29	100.0	0.00	0.0000
1510	0.141	0.30	100.0	0.00	0.0000
1650	0.129	0.31	100.0	0.00	0.0000

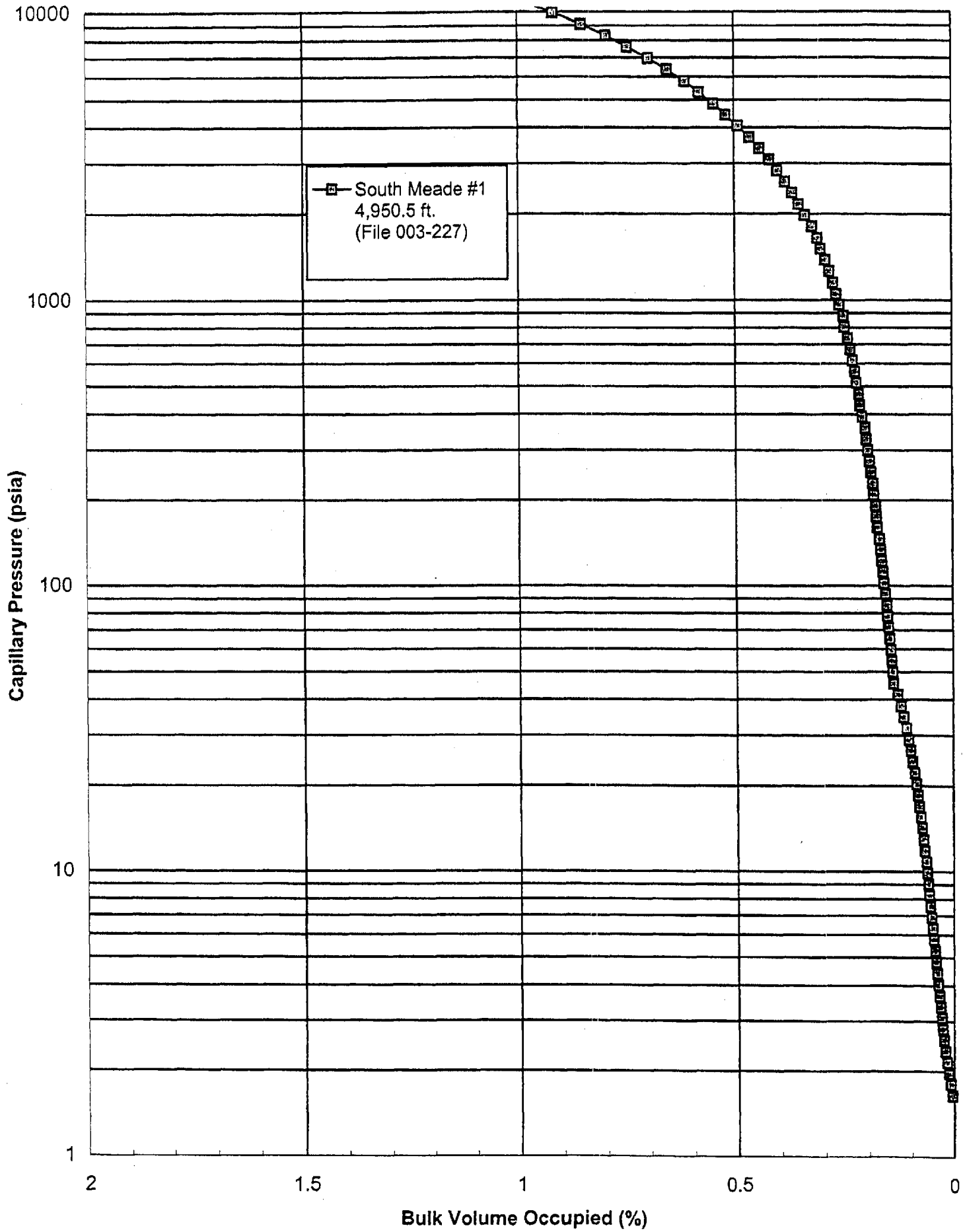
Mercury Injection Capillary Pressure

South Meade 1 : 4,950.5 feet

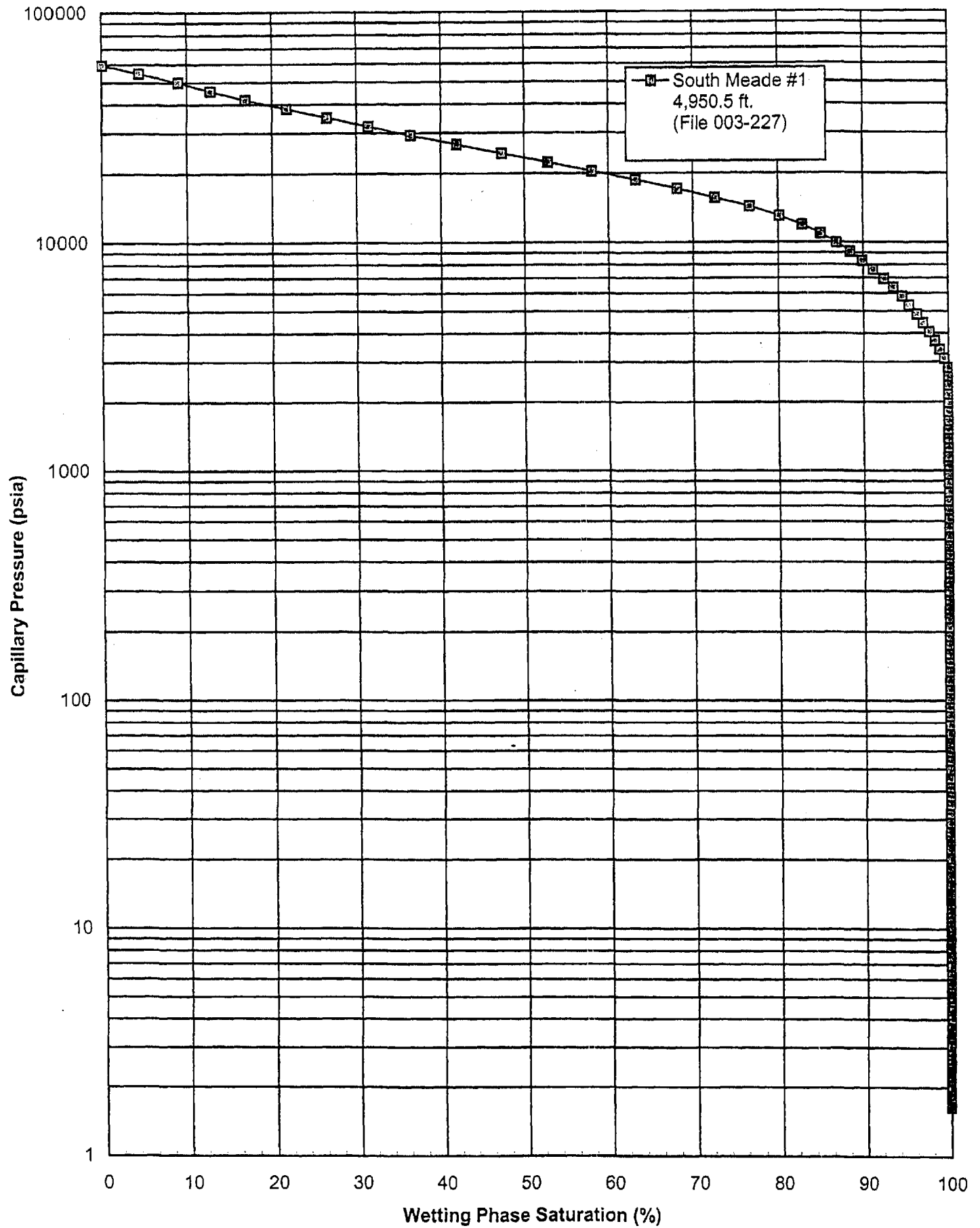
File 003-227

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.33	100.0	0.00	0.0000
1980	0.1077	0.34	100.0	0.00	0.0000
2160	0.0988	0.36	100.0	0.00	0.0000
2370	0.0900	0.37	100.0	0.00	0.0000
2590	0.0824	0.39	100.0	0.00	0.0000
2830	0.0754	0.40	100.0	0.00	0.0000
3100	0.0688	0.42	99.5	0.46	0.0017
3390	0.0629	0.44	99.0	0.57	0.0020
3710	0.0575	0.47	98.4	0.58	0.0018
4060	0.0525	0.49	97.7	0.67	0.0019
4440	0.0480	0.52	97.0	0.70	0.0018
4850	0.0440	0.55	96.3	0.73	0.0018
5310	0.0402	0.58	95.4	0.88	0.0019
5810	0.0367	0.61	94.6	0.83	0.0017
6360	0.0335	0.65	93.5	1.04	0.0019
6950	0.0307	0.70	92.4	1.12	0.0019
7610	0.0280	0.75	91.2	1.26	0.0019
8320	0.0256	0.80	89.9	1.27	0.0018
9100	0.0234	0.85	88.4	1.46	0.0019
9960	0.0214	0.92	86.8	1.66	0.0019
10900	0.0196	0.99	84.9	1.86	0.0020
11900	0.0179	1.07	82.8	2.11	0.0021
13000	0.0164	1.18	80.2	2.64	0.0024
14300	0.0149	1.31	76.7	3.44	0.0026
15600	0.0137	1.47	72.6	4.08	0.0031
17100	0.0125	1.64	68.1	4.50	0.0030
18700	0.0114	1.84	63.2	4.93	0.0031
20400	0.0105	2.04	58.1	5.16	0.0030
22300	0.0096	2.24	52.8	5.24	0.0028
24400	0.0087	2.45	47.3	5.49	0.0026
26700	0.0080	2.66	41.9	5.38	0.0023
29300	0.0073	2.88	36.5	5.48	0.0021
32000	0.0067	3.07	31.4	5.01	0.0019
35000	0.0061	3.27	26.5	4.99	0.0017
38300	0.0056	3.45	21.7	4.77	0.0014
41900	0.0051	3.64	16.9	4.77	0.0013
45800	0.0047	3.80	12.8	4.09	0.0010
50100	0.0043	3.95	9.0	3.85	0.0009
54800	0.0039	4.13	4.3	4.65	0.0010
59500	0.0036	4.30	0.0	4.32	0.0009

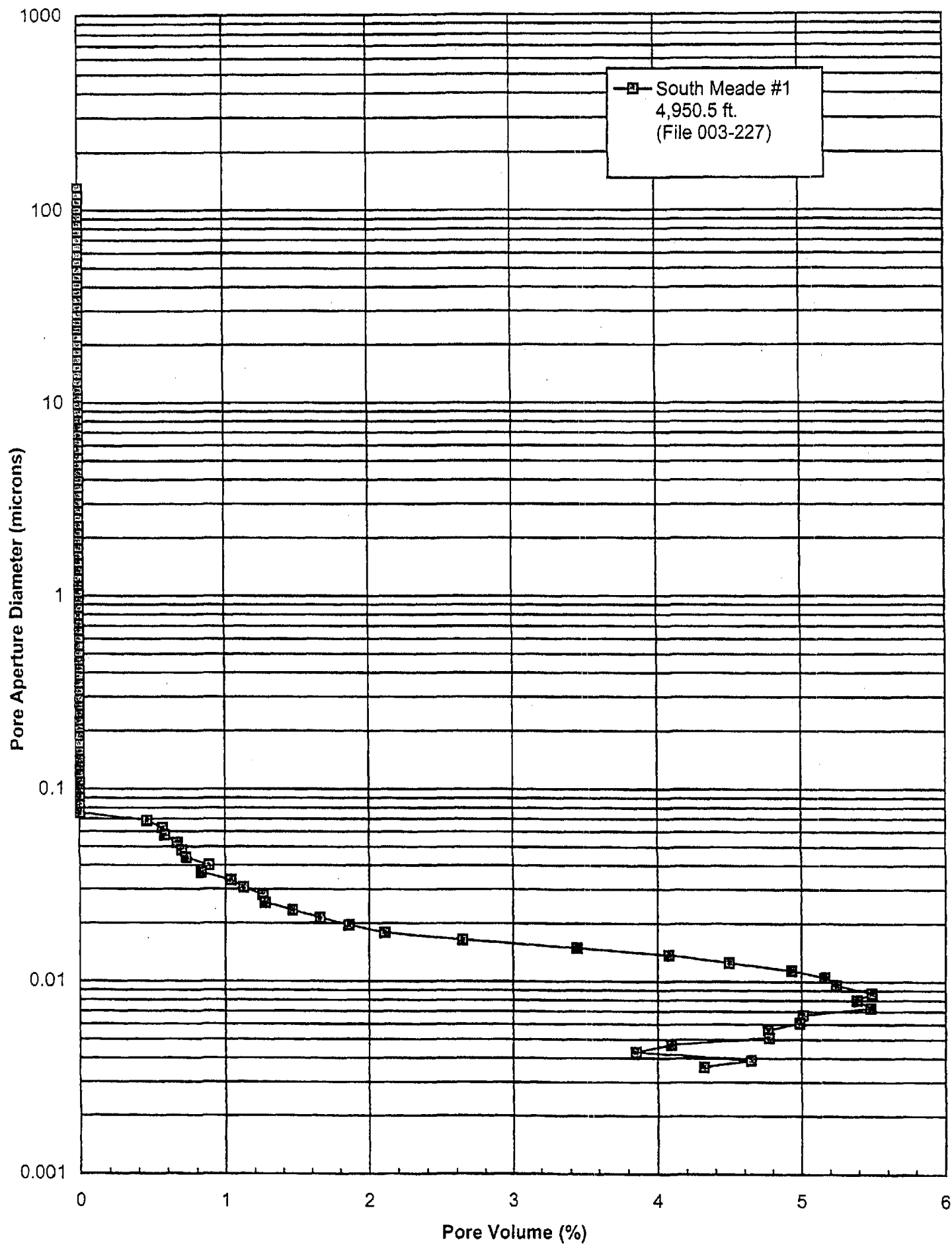
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

South Meade 1 : 7,790 - 7,800 feet

File 003-239

Sample Information

Bulk Volume = 2.4160 cc

Pore Volume = 0.1326 cc

Closure = 2.91%BV @ 3390 psia

Porosity = 5.49% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0093 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.10	100.0	0.00	0.0000
1.80	119	0.20	100.0	0.00	0.0000
1.96	109	0.30	100.0	0.00	0.0000
2.15	99.2	0.40	100.0	0.00	0.0000
2.35	90.8	0.50	100.0	0.00	0.0000
2.57	83.0	0.60	100.0	0.00	0.0000
2.81	75.9	0.68	100.0	0.00	0.0000
3.08	69.3	0.75	100.0	0.00	0.0000
3.37	63.3	0.80	100.0	0.00	0.0000
3.68	58.0	0.85	100.0	0.00	0.0000
4.03	52.9	0.93	100.0	0.00	0.0000
4.41	48.4	0.95	100.0	0.00	0.0000
4.82	44.3	1.00	100.0	0.00	0.0000
5.27	40.5	1.03	100.0	0.00	0.0000
5.77	37.0	1.08	100.0	0.00	0.0000
6.31	33.8	1.10	100.0	0.00	0.0000
6.90	30.9	1.13	100.0	0.00	0.0000
7.55	28.3	1.15	100.0	0.00	0.0000
8.26	25.8	1.18	100.0	0.00	0.0000
9.04	23.6	1.23	100.0	0.00	0.0000
9.89	21.6	1.25	100.0	0.00	0.0000
10.8	19.8	1.28	100.0	0.00	0.0000
11.8	18.1	1.30	100.0	0.00	0.0000
12.9	16.5	1.33	100.0	0.00	0.0000
14.2	15.0	1.35	100.0	0.00	0.0000
15.5	13.8	1.38	100.0	0.00	0.0000
16.9	12.6	1.40	100.0	0.00	0.0000
18.5	11.5	1.43	100.0	0.00	0.0000
20.3	10.5	1.48	100.0	0.00	0.0000
22.2	9.61	1.50	100.0	0.00	0.0000
24.3	8.78	1.53	100.0	0.00	0.0000
26.6	8.02	1.55	100.0	0.00	0.0000
29.0	7.36	1.60	100.0	0.00	0.0000
31.8	6.71	1.63	100.0	0.00	0.0000
34.8	6.13	1.68	100.0	0.00	0.0000
38.0	5.61	1.75	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

South Meade 1 : 7,790 - 7,800 feet

File 003-239

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	1.80	100.0	0.00	0.0000
45.5	4.69	1.85	100.0	0.00	0.0000
49.8	4.28	1.88	100.0	0.00	0.0000
54.5	3.91	1.88	100.0	0.00	0.0000
59.6	3.58	1.90	100.0	0.00	0.0000
65.2	3.27	1.93	100.0	0.00	0.0000
71.3	2.99	1.95	100.0	0.00	0.0000
78.0	2.73	1.98	100.0	0.00	0.0000
85.3	2.50	1.98	100.0	0.00	0.0000
93.4	2.28	2.00	100.0	0.00	0.0000
102	2.09	2.03	100.0	0.00	0.0000
112	1.90	2.05	100.0	0.00	0.0000
122	1.75	2.08	100.0	0.00	0.0000
134	1.59	2.08	100.0	0.00	0.0000
146	1.46	2.10	100.0	0.00	0.0000
160	1.33	2.13	100.0	0.00	0.0000
175	1.22	2.13	100.0	0.00	0.0000
191	1.12	2.15	100.0	0.00	0.0000
209	1.02	2.18	100.0	0.00	0.0000
229	0.932	2.18	100.0	0.00	0.0000
251	0.850	2.20	100.0	0.00	0.0000
274	0.779	2.23	100.0	0.00	0.0000
300	0.711	2.23	100.0	0.00	0.0000
328	0.650	2.25	100.0	0.00	0.0000
359	0.594	2.28	100.0	0.00	0.0000
393	0.543	2.30	100.0	0.00	0.0000
430	0.496	2.30	100.0	0.00	0.0000
470	0.454	2.33	100.0	0.00	0.0000
514	0.415	2.36	100.0	0.00	0.0000
563	0.379	2.36	100.0	0.00	0.0000
615	0.347	2.38	100.0	0.00	0.0000
673	0.317	2.41	100.0	0.00	0.0000
736	0.290	2.43	100.0	0.00	0.0000
806	0.265	2.43	100.0	0.00	0.0000
881	0.242	2.46	100.0	0.00	0.0000
964	0.221	2.48	100.0	0.00	0.0000
1050	0.203	2.51	100.0	0.00	0.0000
1150	0.186	2.53	100.0	0.00	0.0000
1260	0.169	2.53	100.0	0.00	0.0000
1380	0.155	2.56	100.0	0.00	0.0000
1510	0.141	2.58	100.0	0.00	0.0000
1650	0.129	2.61	100.0	0.00	0.0000

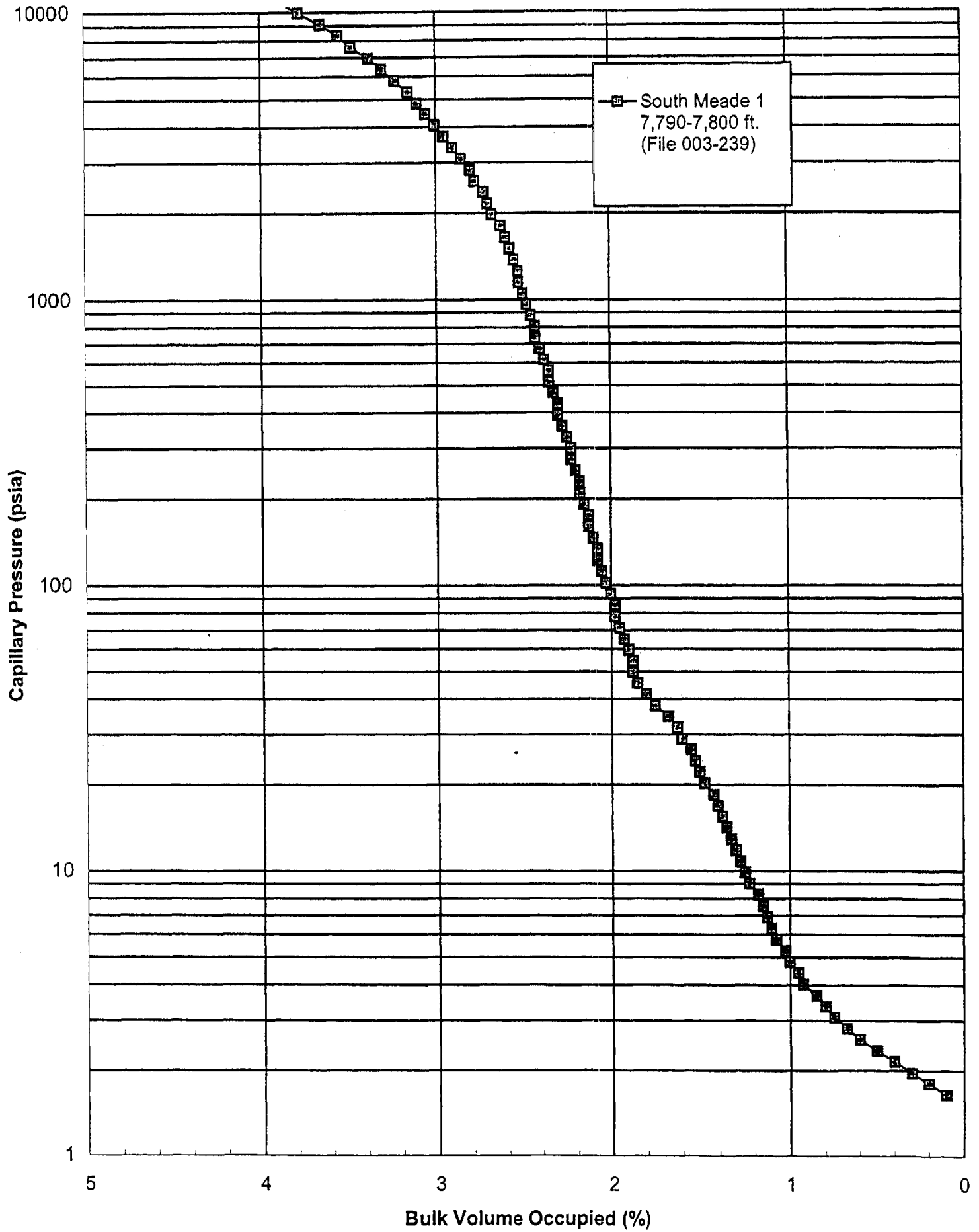
Mercury Injection Capillary Pressure

South Meade 1 : 7,790 - 7,800 feet

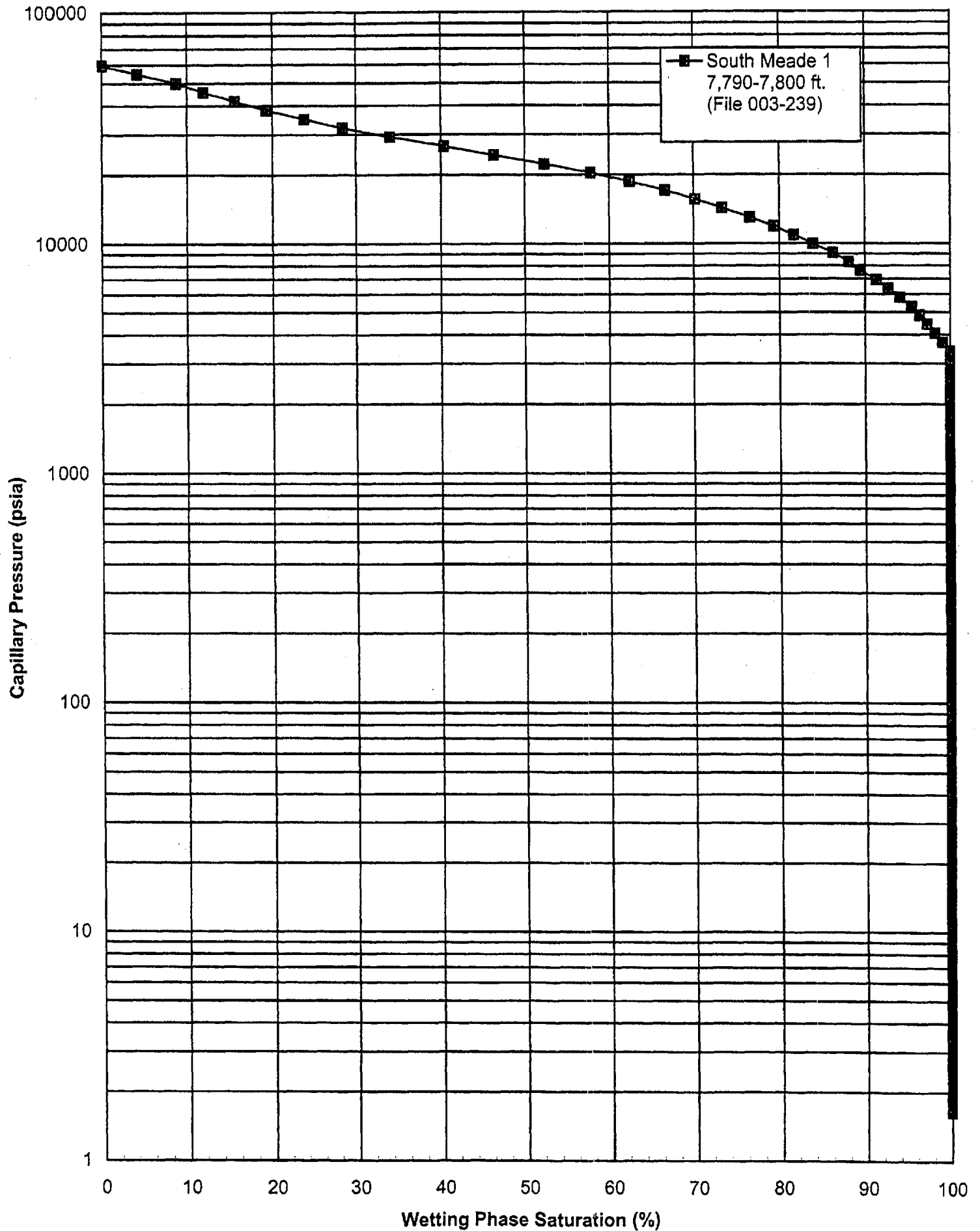
File 003-239

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	2.63	100.0	0.00	0.0000
1980	0.1077	2.68	100.0	0.00	0.0000
2160	0.0988	2.71	100.0	0.00	0.0000
2370	0.0900	2.73	100.0	0.00	0.0000
2590	0.0824	2.78	100.0	0.00	0.0000
2830	0.0754	2.81	100.0	0.00	0.0000
3100	0.0688	2.86	100.0	0.00	0.0000
3390	0.0629	2.91	100.0	0.00	0.0000
3710	0.0575	2.96	99.1	0.92	0.0029
4060	0.0525	3.01	98.2	0.92	0.0026
4440	0.0480	3.06	97.2	0.92	0.0024
4850	0.0440	3.11	96.3	0.92	0.0022
5310	0.0402	3.16	95.4	0.92	0.0020
5810	0.0367	3.23	94.0	1.38	0.0028
6360	0.0335	3.31	92.7	1.38	0.0025
6950	0.0307	3.38	91.3	1.38	0.0023
7610	0.0280	3.48	89.4	1.83	0.0028
8320	0.0256	3.56	88.1	1.38	0.0019
9100	0.0234	3.66	86.2	1.83	0.0024
9960	0.0214	3.78	83.9	2.29	0.0027
10900	0.0196	3.91	81.7	2.29	0.0024
11900	0.0179	4.03	79.4	2.29	0.0023
13000	0.0164	4.18	76.6	2.75	0.0025
14300	0.0149	4.36	73.4	3.21	0.0025
15600	0.0137	4.53	70.2	3.21	0.0025
17100	0.0125	4.74	66.5	3.67	0.0024
18700	0.0114	4.96	62.4	4.13	0.0026
20400	0.0105	5.21	57.8	4.59	0.0027
22300	0.0096	5.51	52.3	5.50	0.0029
24400	0.0087	5.84	46.3	5.96	0.0028
26700	0.0080	6.16	40.4	5.96	0.0026
29300	0.0073	6.51	33.9	6.42	0.0025
32000	0.0067	6.81	28.4	5.50	0.0020
35000	0.0061	7.07	23.9	4.59	0.0015
38300	0.0056	7.32	19.3	4.59	0.0014
41900	0.0051	7.52	15.6	3.67	0.0010
45800	0.0047	7.72	11.9	3.67	0.0009
50100	0.0043	7.89	8.7	3.21	0.0007
54800	0.0039	8.14	4.1	4.59	0.0010
59500	0.0036	8.37	0.0	4.13	0.0009

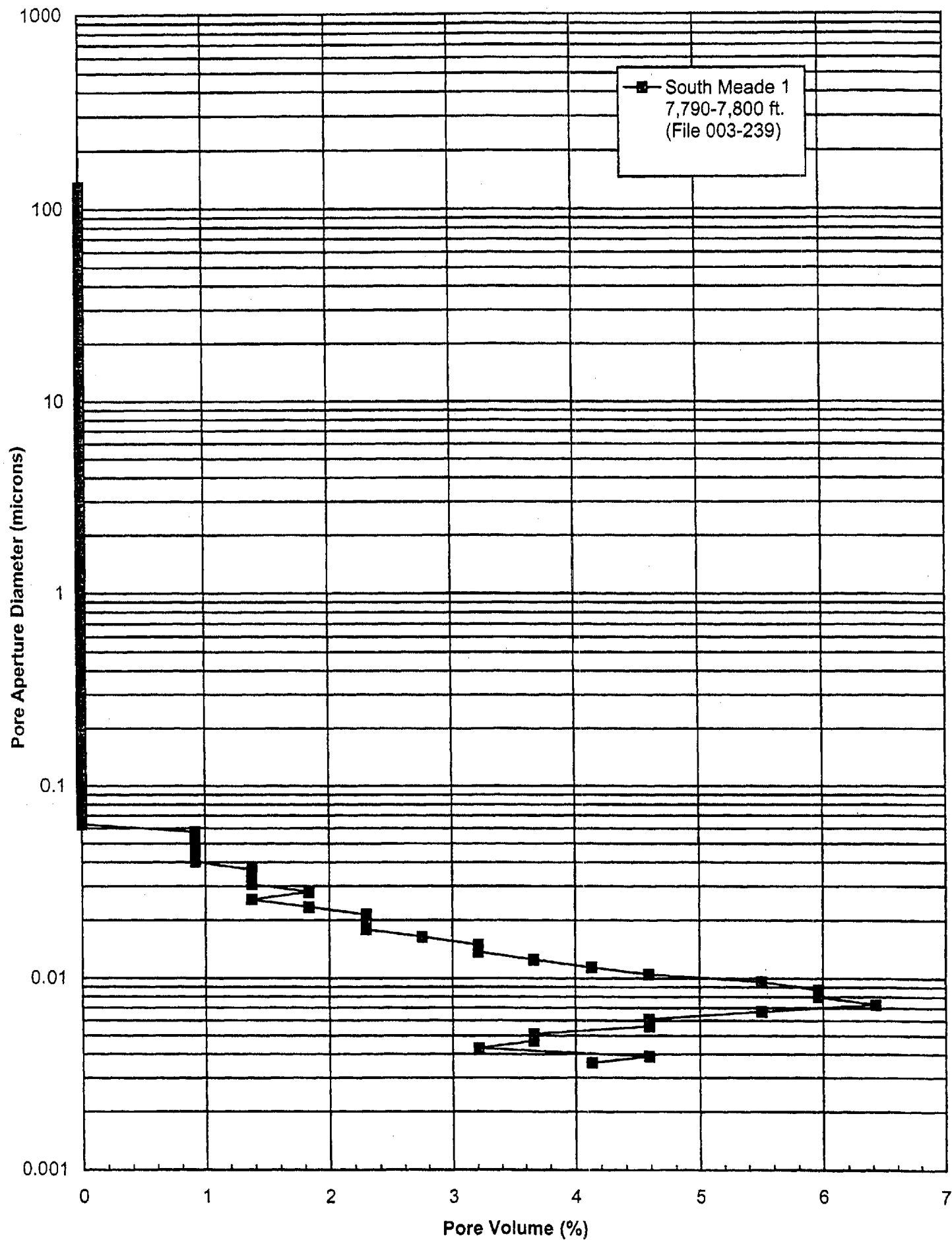
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

S. Simpson 1 : 6,620 - 640 feet

File 003-241

Sample Information

Bulk Volume = 1.0872 cc

Pore Volume = 0.0633 cc

Closure = 4.54%BV @ 4850 psia

Porosity = 5.82% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0117 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.12	100.0	0.00	0.0000
1.80	119	0.30	100.0	0.00	0.0000
1.96	109	0.54	100.0	0.00	0.0000
2.15	99.2	0.74	100.0	0.00	0.0000
2.35	90.8	0.91	100.0	0.00	0.0000
2.57	83.0	1.06	100.0	0.00	0.0000
2.81	75.9	1.18	100.0	0.00	0.0000
3.08	69.3	1.31	100.0	0.00	0.0000
3.37	63.3	1.41	100.0	0.00	0.0000
3.68	58.0	1.51	100.0	0.00	0.0000
4.03	52.9	1.58	100.0	0.00	0.0000
4.41	48.4	1.65	100.0	0.00	0.0000
4.82	44.3	1.73	100.0	0.00	0.0000
5.27	40.5	1.78	100.0	0.00	0.0000
5.77	37.0	1.85	100.0	0.00	0.0000
6.31	33.8	1.90	100.0	0.00	0.0000
6.90	30.9	1.92	100.0	0.00	0.0000
7.55	28.3	1.97	100.0	0.00	0.0000
8.26	25.8	2.02	100.0	0.00	0.0000
9.04	23.6	2.05	100.0	0.00	0.0000
9.89	21.6	2.10	100.0	0.00	0.0000
10.8	19.8	2.12	100.0	0.00	0.0000
11.8	18.1	2.17	100.0	0.00	0.0000
12.9	16.5	2.20	100.0	0.00	0.0000
14.2	15.0	2.25	100.0	0.00	0.0000
15.5	13.8	2.27	100.0	0.00	0.0000
16.9	12.6	2.30	100.0	0.00	0.0000
18.5	11.5	2.32	100.0	0.00	0.0000
20.3	10.5	2.37	100.0	0.00	0.0000
22.2	9.61	2.39	100.0	0.00	0.0000
24.3	8.78	2.42	100.0	0.00	0.0000
26.6	8.02	2.44	100.0	0.00	0.0000
29.0	7.36	2.47	100.0	0.00	0.0000
31.8	6.71	2.52	100.0	0.00	0.0000
34.8	6.13	2.54	100.0	0.00	0.0000
38.0	5.61	2.57	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

S. Simpson 1 : 6,620 - 640 feet

File 003-241

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	2.62	100.0	0.00	0.0000
45.5	4.69	2.64	100.0	0.00	0.0000
49.8	4.28	2.67	100.0	0.00	0.0000
54.5	3.91	2.69	100.0	0.00	0.0000
59.6	3.58	2.71	100.0	0.00	0.0000
65.2	3.27	2.74	100.0	0.00	0.0000
71.3	2.99	2.76	100.0	0.00	0.0000
78.0	2.73	2.79	100.0	0.00	0.0000
85.3	2.50	2.81	100.0	0.00	0.0000
93.4	2.28	2.84	100.0	0.00	0.0000
102	2.09	2.86	100.0	0.00	0.0000
112	1.90	2.86	100.0	0.00	0.0000
122	1.75	2.89	100.0	0.00	0.0000
134	1.59	2.91	100.0	0.00	0.0000
146	1.46	2.94	100.0	0.00	0.0000
160	1.33	2.99	100.0	0.00	0.0000
175	1.22	3.01	100.0	0.00	0.0000
191	1.12	3.04	100.0	0.00	0.0000
209	1.02	3.06	100.0	0.00	0.0000
229	0.932	3.08	100.0	0.00	0.0000
251	0.850	3.11	100.0	0.00	0.0000
274	0.779	3.13	100.0	0.00	0.0000
300	0.711	3.16	100.0	0.00	0.0000
328	0.650	3.18	100.0	0.00	0.0000
359	0.594	3.21	100.0	0.00	0.0000
393	0.543	3.23	100.0	0.00	0.0000
430	0.496	3.26	100.0	0.00	0.0000
470	0.454	3.28	100.0	0.00	0.0000
514	0.415	3.33	100.0	0.00	0.0000
563	0.379	3.36	100.0	0.00	0.0000
615	0.347	3.38	100.0	0.00	0.0000
673	0.317	3.41	100.0	0.00	0.0000
736	0.290	3.43	100.0	0.00	0.0000
806	0.265	3.48	100.0	0.00	0.0000
881	0.242	3.50	100.0	0.00	0.0000
964	0.221	3.53	100.0	0.00	0.0000
1050	0.203	3.58	100.0	0.00	0.0000
1150	0.186	3.60	100.0	0.00	0.0000
1260	0.169	3.65	100.0	0.00	0.0000
1380	0.155	3.68	100.0	0.00	0.0000
1510	0.141	3.73	100.0	0.00	0.0000
1650	0.129	3.78	100.0	0.00	0.0000

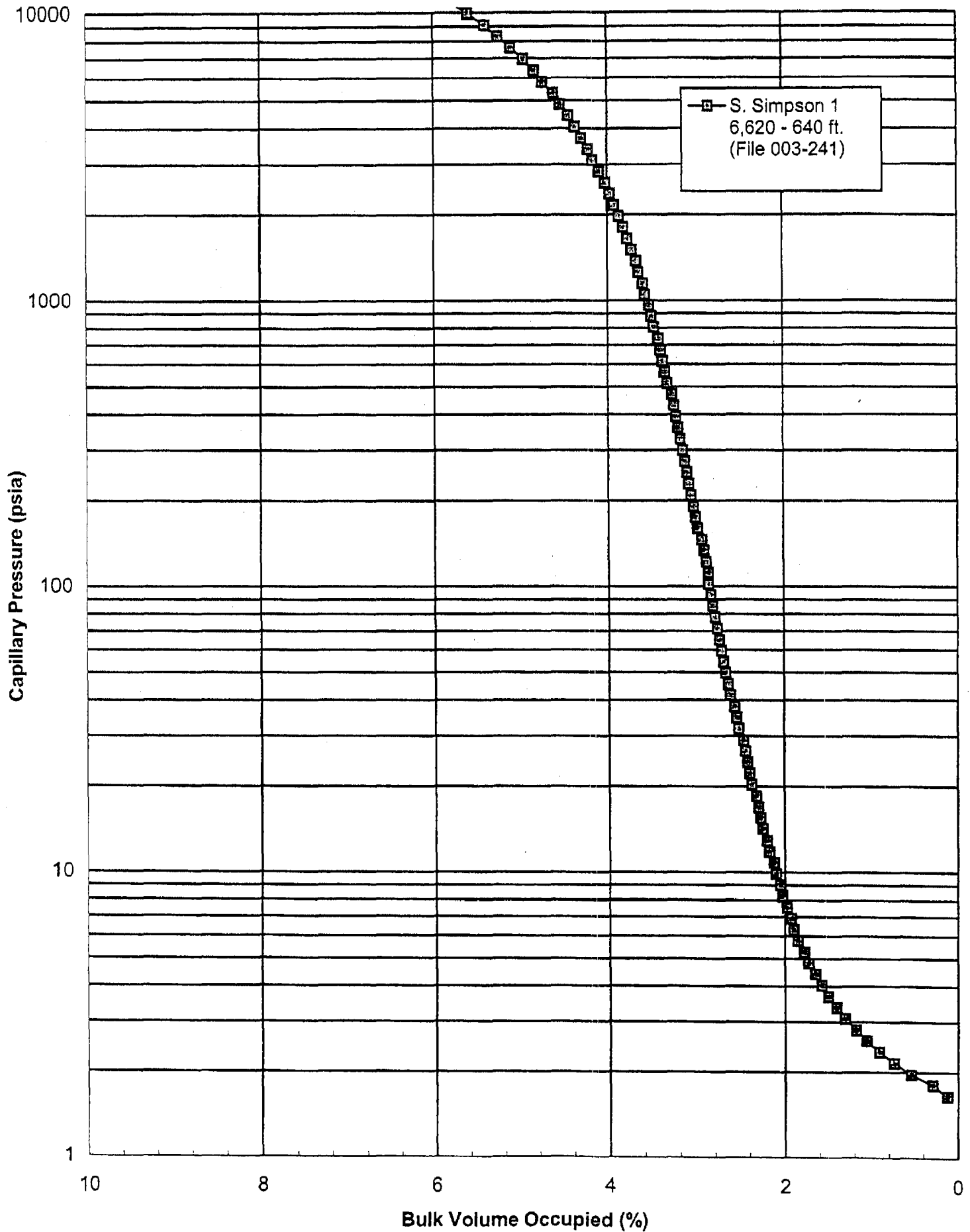
Mercury Injection Capillary Pressure

S. Simpson 1 : 6,620 - 640 feet

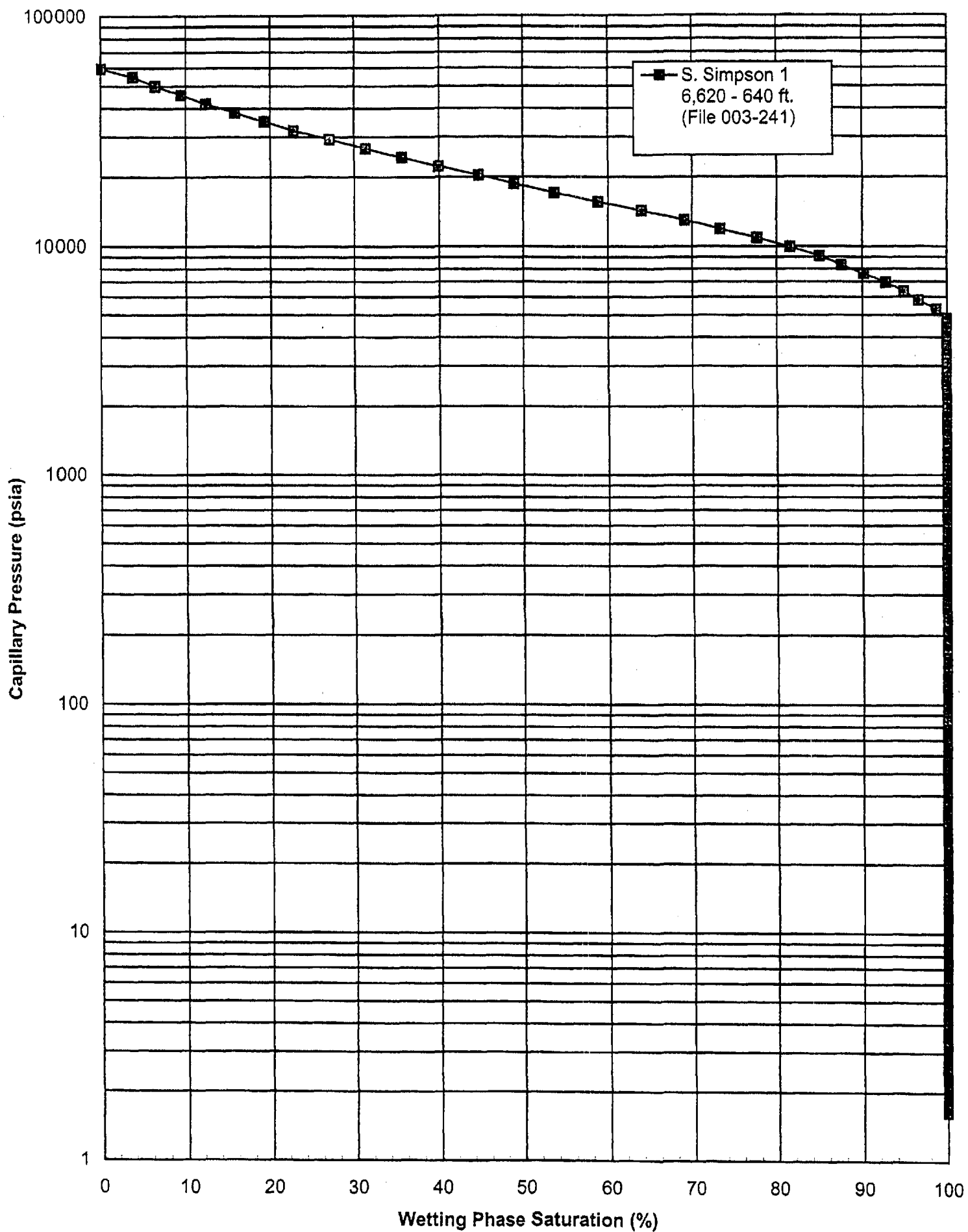
File 003-241

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	3.83	100.0	0.00	0.0000
1980	0.1077	3.87	100.0	0.00	0.0000
2160	0.0988	3.92	100.0	0.00	0.0000
2370	0.0900	3.97	100.0	0.00	0.0000
2590	0.0824	4.02	100.0	0.00	0.0000
2830	0.0754	4.10	100.0	0.00	0.0000
3100	0.0688	4.17	100.0	0.00	0.0000
3390	0.0629	4.22	100.0	0.00	0.0000
3710	0.0575	4.29	100.0	0.00	0.0000
4060	0.0525	4.37	100.0	0.00	0.0000
4440	0.0480	4.44	100.0	0.00	0.0000
4850	0.0440	4.54	100.0	0.00	0.0000
5310	0.0402	4.61	98.7	1.29	0.0028
5810	0.0367	4.74	96.6	2.15	0.0043
6360	0.0335	4.84	94.8	1.72	0.0031
6950	0.0307	4.96	92.7	2.15	0.0036
7610	0.0280	5.11	90.1	2.58	0.0039
8320	0.0256	5.26	87.6	2.58	0.0036
9100	0.0234	5.40	85.0	2.58	0.0033
9960	0.0214	5.60	81.5	3.43	0.0040
10900	0.0196	5.82	77.7	3.86	0.0041
11900	0.0179	6.07	73.4	4.29	0.0043
13000	0.0164	6.32	69.1	4.29	0.0039
14300	0.0149	6.61	63.9	5.15	0.0040
15600	0.0137	6.91	58.8	5.15	0.0040
17100	0.0125	7.21	53.6	5.15	0.0034
18700	0.0114	7.48	48.9	4.72	0.0030
20400	0.0105	7.72	44.6	4.29	0.0025
22300	0.0096	8.00	39.9	4.72	0.0025
24400	0.0087	8.24	35.6	4.29	0.0020
26700	0.0080	8.49	31.3	4.29	0.0019
29300	0.0073	8.74	27.0	4.29	0.0017
32000	0.0067	8.98	22.7	4.29	0.0016
35000	0.0061	9.18	19.3	3.43	0.0011
38300	0.0056	9.38	15.9	3.43	0.0010
41900	0.0051	9.58	12.4	3.43	0.0010
45800	0.0047	9.75	9.4	3.00	0.0008
50100	0.0043	9.92	6.4	3.00	0.0007
54800	0.0039	10.07	3.9	2.58	0.0005
59500	0.0036	10.29	0.0	3.86	0.0008

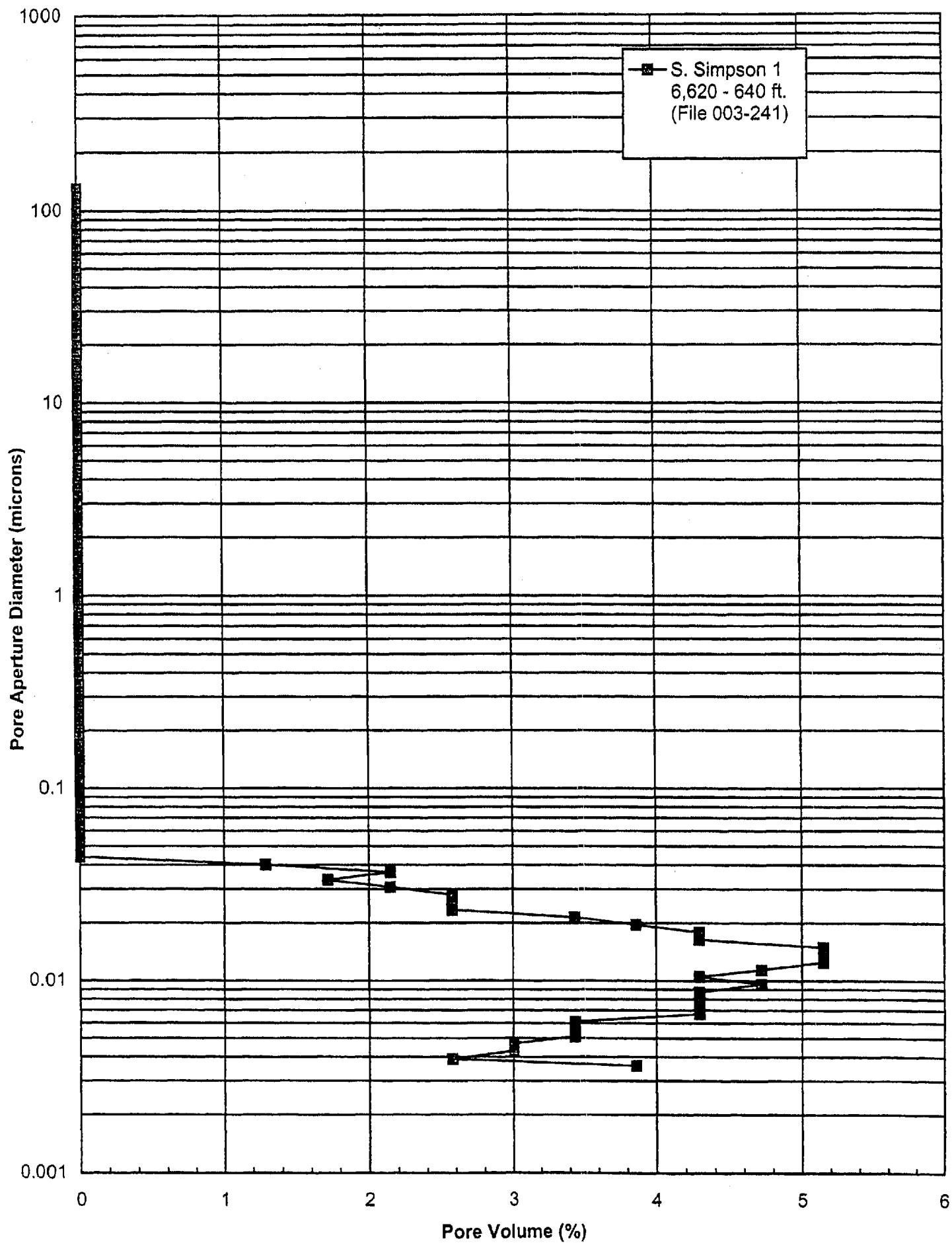
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

S. Simpson 6,700-740 feet

File 003-243

Sample Information

Bulk Volume = 2.8463 cc

Pore Volume = 0.1890 cc

Closure = 3.88%BV @ 3390 psia

Porosity = 6.64% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0136 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.10	100.0	0.00	0.0000
1.80	119	0.17	100.0	0.00	0.0000
1.96	109	0.30	100.0	0.00	0.0000
2.15	99.2	0.40	100.0	0.00	0.0000
2.35	90.8	0.49	100.0	0.00	0.0000
2.57	83.0	0.57	100.0	0.00	0.0000
2.81	75.9	0.62	100.0	0.00	0.0000
3.08	69.3	0.69	100.0	0.00	0.0000
3.37	63.3	0.77	100.0	0.00	0.0000
3.68	58.0	0.82	100.0	0.00	0.0000
4.03	52.9	0.87	100.0	0.00	0.0000
4.41	48.4	0.92	100.0	0.00	0.0000
4.82	44.3	0.99	100.0	0.00	0.0000
5.27	40.5	1.01	100.0	0.00	0.0000
5.77	37.0	1.06	100.0	0.00	0.0000
6.31	33.8	1.09	100.0	0.00	0.0000
6.90	30.9	1.14	100.0	0.00	0.0000
7.55	28.3	1.16	100.0	0.00	0.0000
8.26	25.8	1.21	100.0	0.00	0.0000
9.04	23.6	1.24	100.0	0.00	0.0000
9.89	21.6	1.29	100.0	0.00	0.0000
10.8	19.8	1.31	100.0	0.00	0.0000
11.8	18.1	1.34	100.0	0.00	0.0000
12.9	16.5	1.36	100.0	0.00	0.0000
14.2	15.0	1.41	100.0	0.00	0.0000
15.5	13.8	1.43	100.0	0.00	0.0000
16.9	12.6	1.46	100.0	0.00	0.0000
18.5	11.5	1.51	100.0	0.00	0.0000
20.3	10.5	1.53	100.0	0.00	0.0000
22.2	9.61	1.58	100.0	0.00	0.0000
24.3	8.78	1.61	100.0	0.00	0.0000
26.6	8.02	1.66	100.0	0.00	0.0000
29.0	7.36	1.68	100.0	0.00	0.0000
31.8	6.71	1.76	100.0	0.00	0.0000
34.8	6.13	1.78	100.0	0.00	0.0000
38.0	5.61	1.83	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

S. Simpson 6,700-740 feet

File 003-243

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	1.91	100.0	0.00	0.0000
45.5	4.69	1.95	100.0	0.00	0.0000
49.8	4.28	1.98	100.0	0.00	0.0000
54.5	3.91	2.00	100.0	0.00	0.0000
59.6	3.58	2.03	100.0	0.00	0.0000
65.2	3.27	2.05	100.0	0.00	0.0000
71.3	2.99	2.05	100.0	0.00	0.0000
78.0	2.73	2.08	100.0	0.00	0.0000
85.3	2.50	2.10	100.0	0.00	0.0000
93.4	2.28	2.10	100.0	0.00	0.0000
102	2.09	2.15	100.0	0.00	0.0000
112	1.90	2.18	100.0	0.00	0.0000
122	1.75	2.20	100.0	0.00	0.0000
134	1.59	2.23	100.0	0.00	0.0000
146	1.46	2.25	100.0	0.00	0.0000
160	1.33	2.28	100.0	0.00	0.0000
175	1.22	2.33	100.0	0.00	0.0000
191	1.12	2.35	100.0	0.00	0.0000
209	1.02	2.38	100.0	0.00	0.0000
229	0.932	2.40	100.0	0.00	0.0000
251	0.850	2.45	100.0	0.00	0.0000
274	0.779	2.47	100.0	0.00	0.0000
300	0.711	2.50	100.0	0.00	0.0000
328	0.650	2.55	100.0	0.00	0.0000
359	0.594	2.57	100.0	0.00	0.0000
393	0.543	2.62	100.0	0.00	0.0000
430	0.496	2.65	100.0	0.00	0.0000
470	0.454	2.70	100.0	0.00	0.0000
514	0.415	2.75	100.0	0.00	0.0000
563	0.379	2.77	100.0	0.00	0.0000
615	0.347	2.82	100.0	0.00	0.0000
673	0.317	2.87	100.0	0.00	0.0000
736	0.290	2.89	100.0	0.00	0.0000
806	0.265	2.94	100.0	0.00	0.0000
881	0.242	3.02	100.0	0.00	0.0000
964	0.221	3.04	100.0	0.00	0.0000
1050	0.203	3.09	100.0	0.00	0.0000
1150	0.186	3.14	100.0	0.00	0.0000
1260	0.169	3.19	100.0	0.00	0.0000
1380	0.155	3.24	100.0	0.00	0.0000
1510	0.141	3.29	100.0	0.00	0.0000
1650	0.129	3.36	100.0	0.00	0.0000

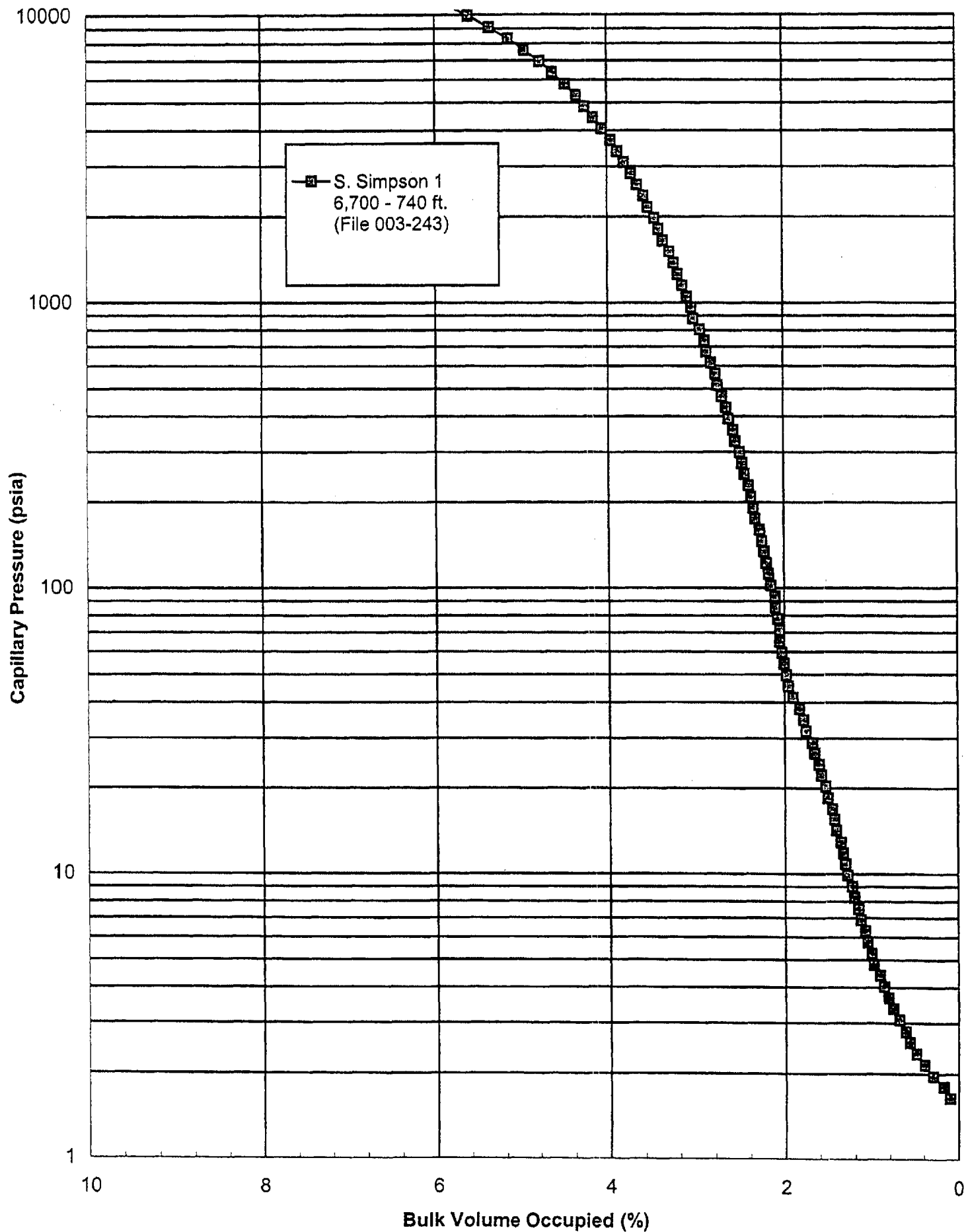
Mercury Injection Capillary Pressure

S. Simpson 6,700-740 feet

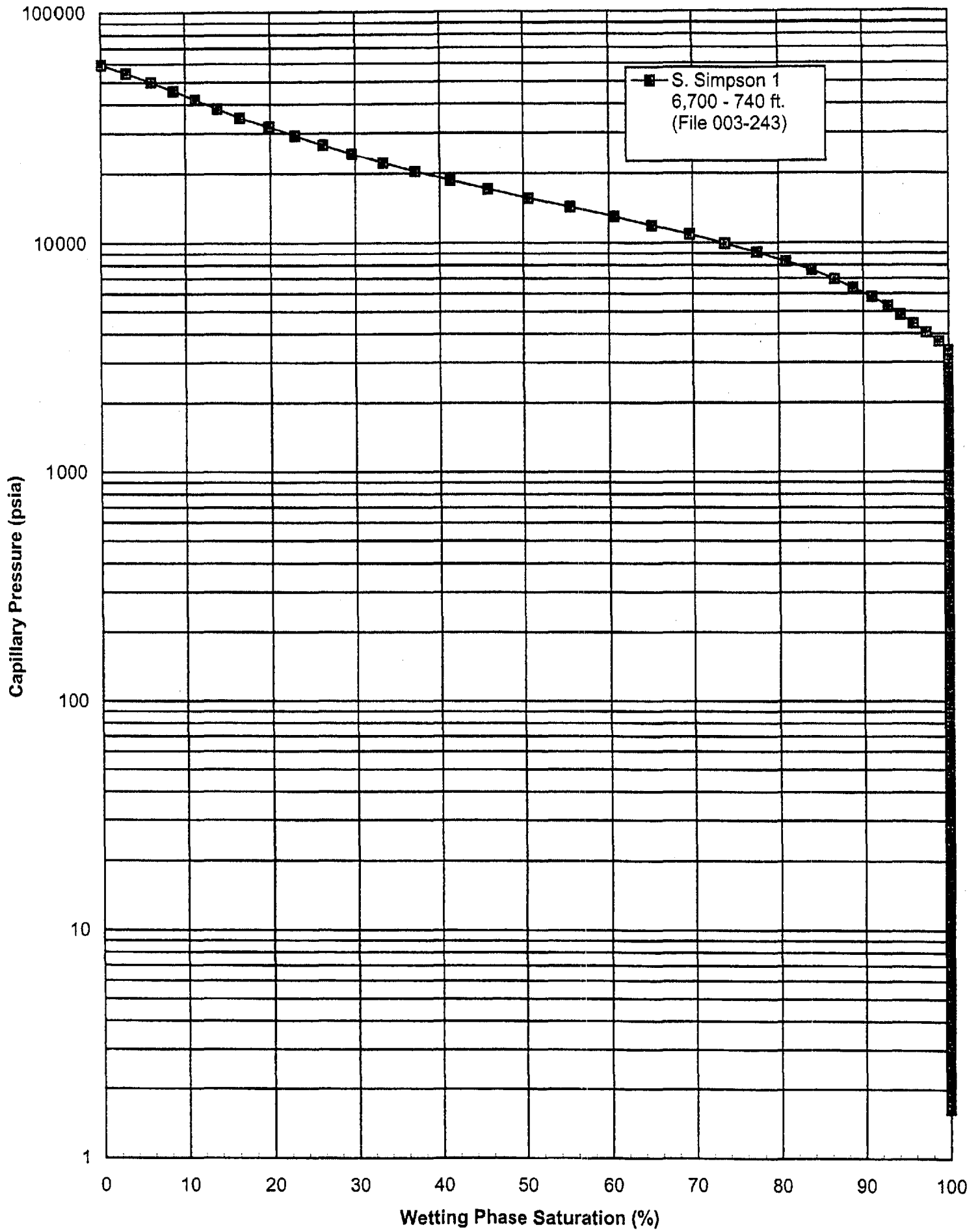
File 003-243

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	3.41	100.0	0.00	0.0000
1980	0.1077	3.46	100.0	0.00	0.0000
2160	0.0988	3.54	100.0	0.00	0.0000
2370	0.0900	3.59	100.0	0.00	0.0000
2590	0.0824	3.66	100.0	0.00	0.0000
2830	0.0754	3.74	100.0	0.00	0.0000
3100	0.0688	3.81	100.0	0.00	0.0000
3390	0.0629	3.88	100.0	0.00	0.0000
3710	0.0575	3.96	98.9	1.12	0.0035
4060	0.0525	4.06	97.4	1.50	0.0043
4440	0.0480	4.16	95.9	1.50	0.0039
4850	0.0440	4.26	94.4	1.50	0.0037
5310	0.0402	4.35	92.9	1.50	0.0033
5810	0.0367	4.48	91.0	1.87	0.0037
6360	0.0335	4.63	88.8	2.25	0.0041
6950	0.0307	4.77	86.5	2.25	0.0038
7610	0.0280	4.95	83.9	2.62	0.0040
8320	0.0256	5.15	80.9	3.00	0.0042
9100	0.0234	5.37	77.5	3.37	0.0043
9960	0.0214	5.62	73.8	3.75	0.0044
10900	0.0196	5.89	69.7	4.12	0.0044
11900	0.0179	6.19	65.2	4.49	0.0045
13000	0.0164	6.48	60.7	4.49	0.0041
14300	0.0149	6.83	55.4	5.24	0.0040
15600	0.0137	7.15	50.6	4.87	0.0037
17100	0.0125	7.47	45.7	4.87	0.0032
18700	0.0114	7.77	41.2	4.49	0.0028
20400	0.0105	8.04	37.1	4.12	0.0024
22300	0.0096	8.29	33.3	3.75	0.0020
24400	0.0087	8.54	29.6	3.75	0.0018
26700	0.0080	8.76	26.2	3.37	0.0015
29300	0.0073	8.98	22.8	3.37	0.0013
32000	0.0067	9.18	19.9	3.00	0.0011
35000	0.0061	9.40	16.5	3.37	0.0011
38300	0.0056	9.57	13.9	2.62	0.0008
41900	0.0051	9.75	11.2	2.62	0.0007
45800	0.0047	9.92	8.6	2.62	0.0007
50100	0.0043	10.09	6.0	2.62	0.0006
54800	0.0039	10.29	3.0	3.00	0.0006
59500	0.0036	10.49	0.0	3.00	0.0006

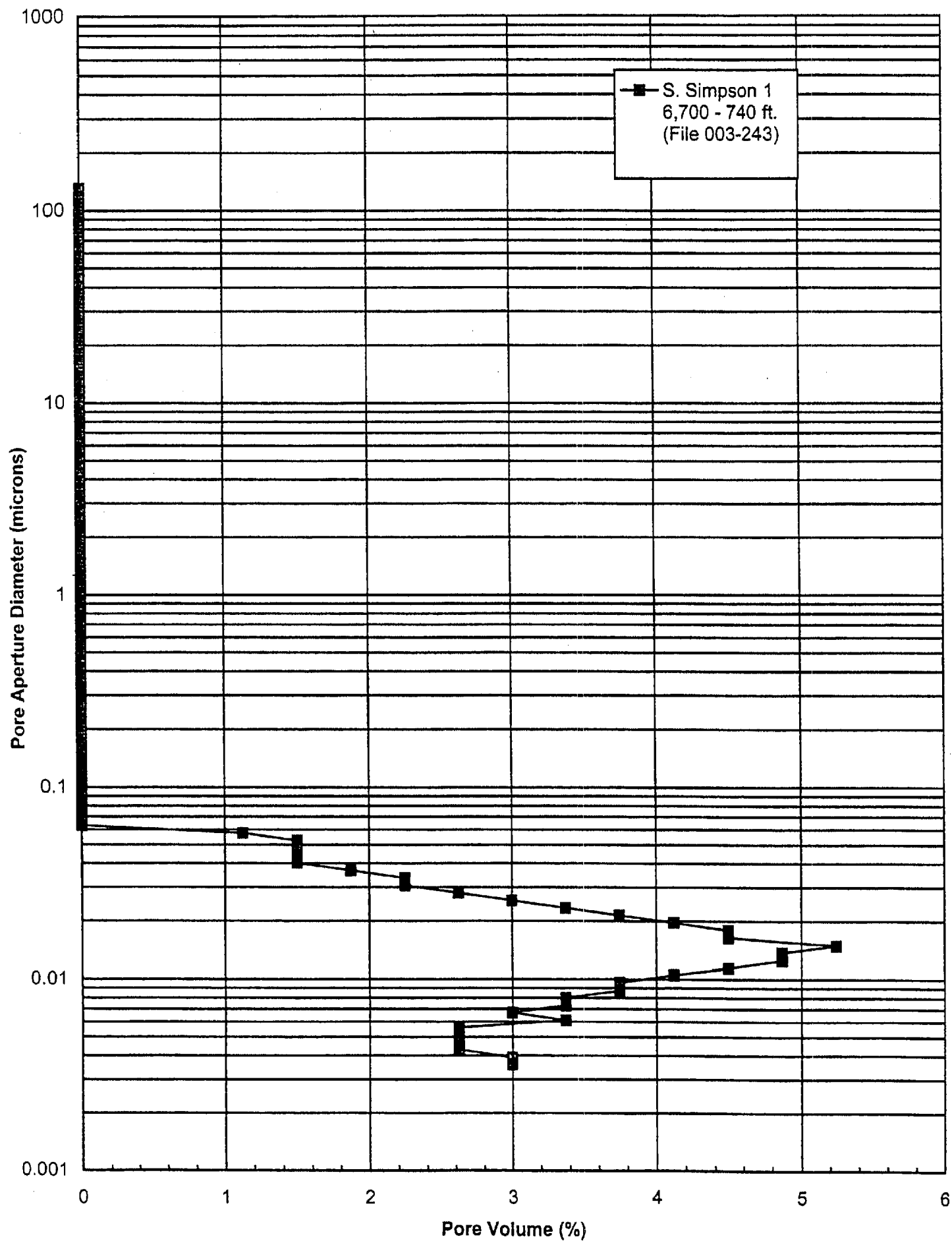
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Topagoruk 1 : 2,096 feet

File 003-233

Sample Information

Bulk Volume = 5.0296 cc

Pore Volume = 0.5013 cc

Closure = 1.16%BV @ 4850 psia

Porosity = 9.97% (mercury)

Permeability = 0.0008 md (mercury)

Median Pore Aperture = 0.0150 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.00	100.0	0.00	0.0000
1.80	119	0.01	100.0	0.00	0.0000
1.96	109	0.01	100.0	0.00	0.0000
2.15	99.2	0.01	100.0	0.00	0.0000
2.35	90.8	0.02	100.0	0.00	0.0000
2.57	83.0	0.02	100.0	0.00	0.0000
2.81	75.9	0.03	100.0	0.00	0.0000
3.08	69.3	0.03	100.0	0.00	0.0000
3.37	63.3	0.03	100.0	0.00	0.0000
3.68	58.0	0.04	100.0	0.00	0.0000
4.03	52.9	0.04	100.0	0.00	0.0000
4.41	48.4	0.04	100.0	0.00	0.0000
4.82	44.3	0.05	100.0	0.00	0.0000
5.27	40.5	0.05	100.0	0.00	0.0000
5.77	37.0	0.05	100.0	0.00	0.0000
6.31	33.8	0.06	100.0	0.00	0.0000
6.90	30.9	0.06	100.0	0.00	0.0000
7.55	28.3	0.07	100.0	0.00	0.0000
8.26	25.8	0.07	100.0	0.00	0.0000
9.04	23.6	0.08	100.0	0.00	0.0000
9.89	21.6	0.08	100.0	0.00	0.0000
10.8	19.8	0.09	100.0	0.00	0.0000
11.8	18.1	0.09	100.0	0.00	0.0000
12.9	16.5	0.10	100.0	0.00	0.0000
14.2	15.0	0.10	100.0	0.00	0.0000
15.5	13.8	0.11	100.0	0.00	0.0000
16.9	12.6	0.12	100.0	0.00	0.0000
18.5	11.5	0.13	100.0	0.00	0.0000
20.3	10.5	0.14	100.0	0.00	0.0000
22.2	9.61	0.15	100.0	0.00	0.0000
24.3	8.78	0.17	100.0	0.00	0.0000
26.6	8.02	0.18	100.0	0.00	0.0000
29.0	7.36	0.20	100.0	0.00	0.0000
31.8	6.71	0.22	100.0	0.00	0.0000
34.8	6.13	0.24	100.0	0.00	0.0000
38.0	5.61	0.28	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Topagoruk 1 : 2,096 feet

File 003-233

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.30	100.0	0.00	0.0000
45.5	4.69	0.32	100.0	0.00	0.0000
49.8	4.28	0.33	100.0	0.00	0.0000
54.5	3.91	0.34	100.0	0.00	0.0000
59.6	3.58	0.35	100.0	0.00	0.0000
65.2	3.27	0.35	100.0	0.00	0.0000
71.3	2.99	0.36	100.0	0.00	0.0000
78.0	2.73	0.37	100.0	0.00	0.0000
85.3	2.50	0.38	100.0	0.00	0.0000
93.4	2.28	0.39	100.0	0.00	0.0000
102	2.09	0.39	100.0	0.00	0.0000
112	1.90	0.40	100.0	0.00	0.0000
122	1.75	0.41	100.0	0.00	0.0000
134	1.59	0.42	100.0	0.00	0.0000
146	1.46	0.42	100.0	0.00	0.0000
160	1.33	0.44	100.0	0.00	0.0000
175	1.22	0.45	100.0	0.00	0.0000
191	1.12	0.45	100.0	0.00	0.0000
209	1.02	0.46	100.0	0.00	0.0000
229	0.932	0.47	100.0	0.00	0.0000
251	0.850	0.48	100.0	0.00	0.0000
274	0.779	0.48	100.0	0.00	0.0000
300	0.711	0.49	100.0	0.00	0.0000
328	0.650	0.50	100.0	0.00	0.0000
359	0.594	0.51	100.0	0.00	0.0000
393	0.543	0.52	100.0	0.00	0.0000
430	0.496	0.53	100.0	0.00	0.0000
470	0.454	0.54	100.0	0.00	0.0000
514	0.415	0.55	100.0	0.00	0.0000
563	0.379	0.56	100.0	0.00	0.0000
615	0.347	0.57	100.0	0.00	0.0000
673	0.317	0.58	100.0	0.00	0.0000
736	0.290	0.59	100.0	0.00	0.0000
806	0.265	0.60	100.0	0.00	0.0000
881	0.242	0.61	100.0	0.00	0.0000
964	0.221	0.62	100.0	0.00	0.0000
1050	0.203	0.63	100.0	0.00	0.0000
1150	0.186	0.65	100.0	0.00	0.0000
1260	0.169	0.66	100.0	0.00	0.0000
1380	0.155	0.68	100.0	0.00	0.0000
1510	0.141	0.70	100.0	0.00	0.0000
1650	0.129	0.72	100.0	0.00	0.0000

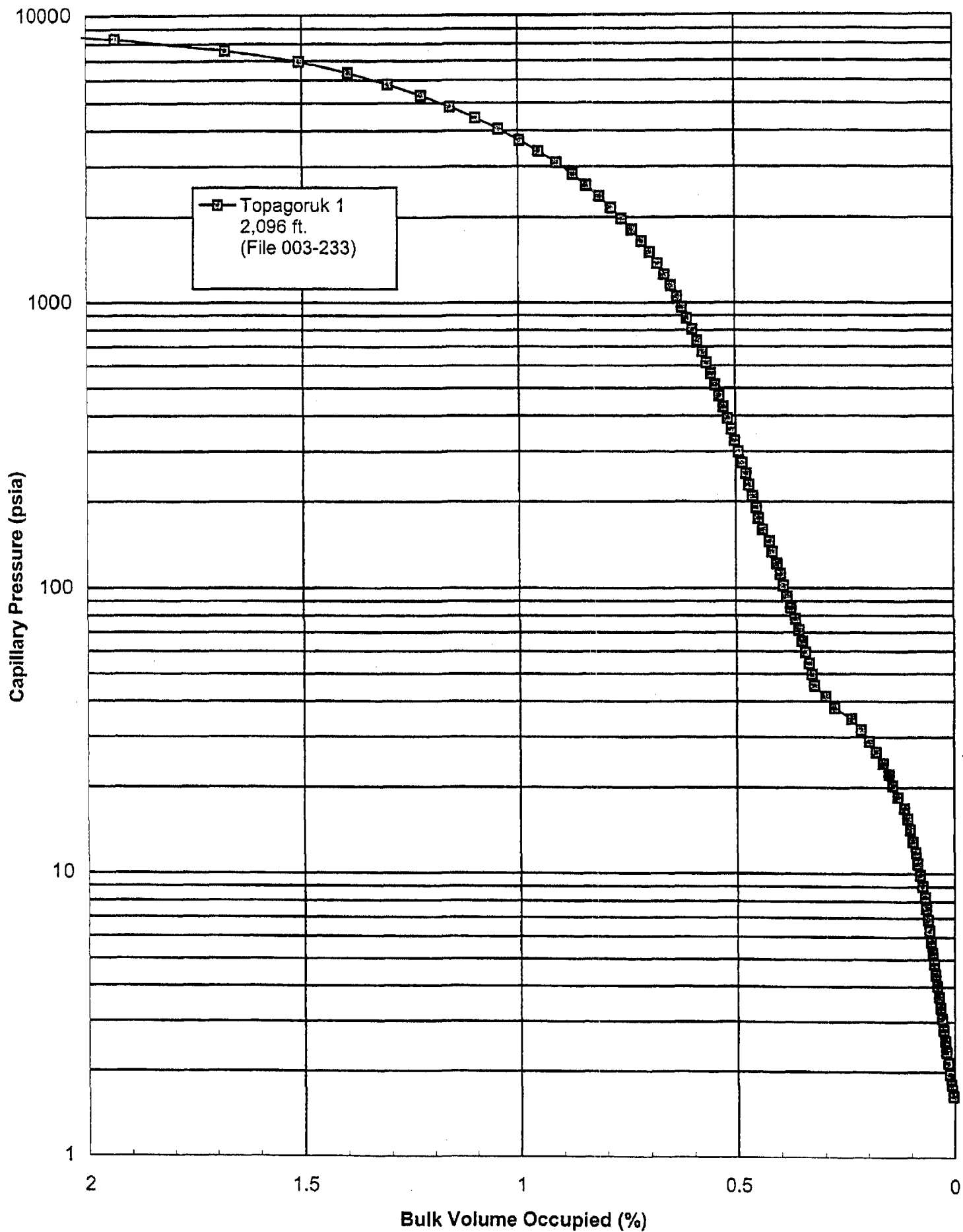
Mercury Injection Capillary Pressure

Topagoruk 1 : 2,096 feet

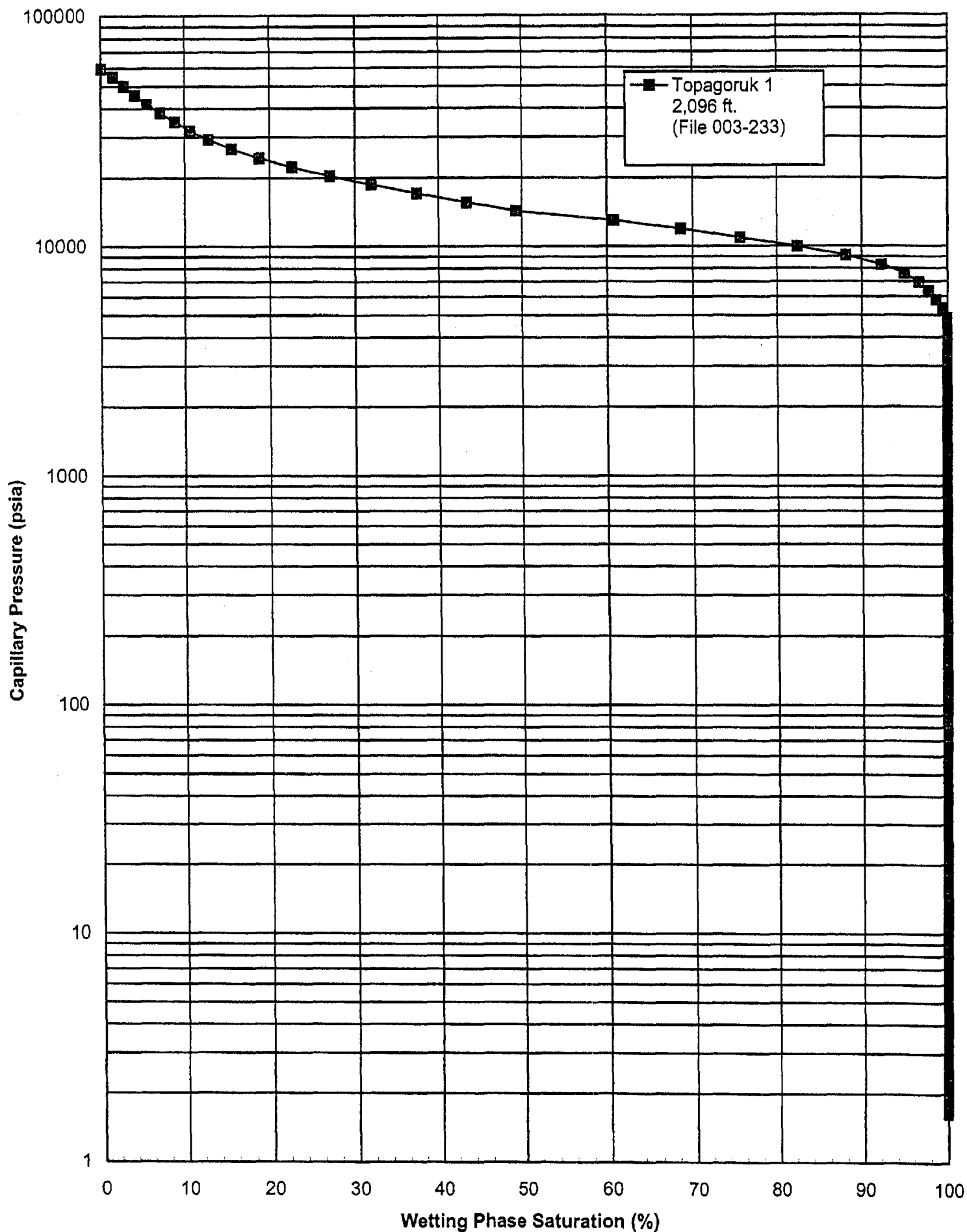
File 003-233

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.74	100.0	0.00	0.0000
1980	0.1077	0.76	100.0	0.00	0.0000
2160	0.0988	0.79	100.0	0.00	0.0000
2370	0.0900	0.81	100.0	0.00	0.0000
2590	0.0824	0.84	100.0	0.00	0.0000
2830	0.0754	0.87	100.0	0.00	0.0000
3100	0.0688	0.91	100.0	0.00	0.0000
3390	0.0629	0.95	100.0	0.00	0.0000
3710	0.0575	1.00	100.0	0.00	0.0000
4060	0.0525	1.05	100.0	0.00	0.0000
4440	0.0480	1.10	100.0	0.00	0.0000
4850	0.0440	1.16	100.0	0.00	0.0000
5310	0.0402	1.23	99.4	0.57	0.0012
5810	0.0367	1.30	98.7	0.78	0.0016
6360	0.0335	1.39	97.7	0.91	0.0017
6950	0.0307	1.51	96.6	1.13	0.0019
7610	0.0280	1.68	94.9	1.70	0.0026
8320	0.0256	1.93	92.3	2.61	0.0037
9100	0.0234	2.35	88.1	4.17	0.0053
9960	0.0214	2.92	82.4	5.74	0.0067
10900	0.0196	3.59	75.7	6.71	0.0071
11900	0.0179	4.30	68.6	7.12	0.0071
13000	0.0164	5.07	60.8	7.78	0.0071
14300	0.0149	6.21	49.3	11.52	0.0089
15600	0.0137	6.80	43.4	5.91	0.0045
17100	0.0125	7.40	37.3	6.01	0.0040
18700	0.0114	7.94	31.9	5.48	0.0034
20400	0.0105	8.42	27.0	4.84	0.0028
22300	0.0096	8.87	22.6	4.44	0.0023
24400	0.0087	9.24	18.8	3.79	0.0018
26700	0.0080	9.56	15.6	3.16	0.0014
29300	0.0073	9.83	12.9	2.74	0.0011
32000	0.0067	10.05	10.7	2.19	0.0008
35000	0.0061	10.23	8.8	1.89	0.0006
38300	0.0056	10.41	7.1	1.73	0.0005
41900	0.0051	10.56	5.5	1.57	0.0004
45800	0.0047	10.71	4.1	1.44	0.0004
50100	0.0043	10.84	2.7	1.36	0.0003
54800	0.0039	10.97	1.5	1.26	0.0003
59500	0.0036	11.11	0.0	1.47	0.0003

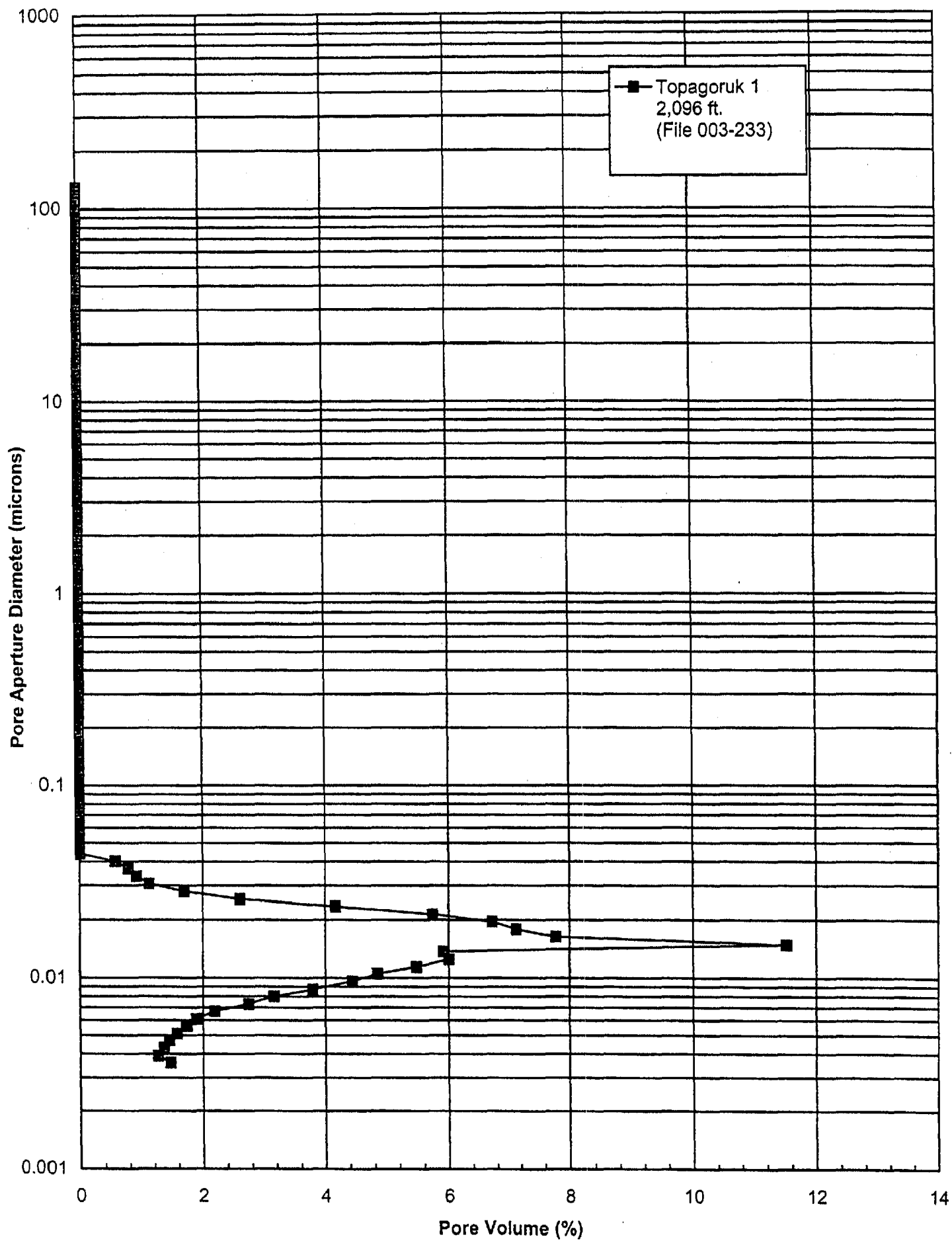
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Topogoruk 1 : 9,745 - 775 feet

File 003-242

Sample Information

Bulk Volume = 3.6457 cc

Pore Volume = 0.1405 cc

Closure = 2.29%BV @ 2370 psia

Porosity = 3.85% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0128 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.05	100.0	0.00	0.0000
1.80	119	0.10	100.0	0.00	0.0000
1.96	109	0.18	100.0	0.00	0.0000
2.15	99.2	0.23	100.0	0.00	0.0000
2.35	90.8	0.31	100.0	0.00	0.0000
2.57	83.0	0.36	100.0	0.00	0.0000
2.81	75.9	0.41	100.0	0.00	0.0000
3.08	69.3	0.46	100.0	0.00	0.0000
3.37	63.3	0.49	100.0	0.00	0.0000
3.68	58.0	0.54	100.0	0.00	0.0000
4.03	52.9	0.57	100.0	0.00	0.0000
4.41	48.4	0.59	100.0	0.00	0.0000
4.82	44.3	0.64	100.0	0.00	0.0000
5.27	40.5	0.67	100.0	0.00	0.0000
5.77	37.0	0.69	100.0	0.00	0.0000
6.31	33.8	0.72	100.0	0.00	0.0000
6.90	30.9	0.75	100.0	0.00	0.0000
7.55	28.3	0.77	100.0	0.00	0.0000
8.26	25.8	0.80	100.0	0.00	0.0000
9.04	23.6	0.82	100.0	0.00	0.0000
9.89	21.6	0.85	100.0	0.00	0.0000
10.8	19.8	0.87	100.0	0.00	0.0000
11.8	18.1	0.90	100.0	0.00	0.0000
12.9	16.5	0.93	100.0	0.00	0.0000
14.2	15.0	0.95	100.0	0.00	0.0000
15.5	13.8	0.98	100.0	0.00	0.0000
16.9	12.6	0.98	100.0	0.00	0.0000
18.5	11.5	1.00	100.0	0.00	0.0000
20.3	10.5	1.03	100.0	0.00	0.0000
22.2	9.61	1.05	100.0	0.00	0.0000
24.3	8.78	1.08	100.0	0.00	0.0000
26.6	8.02	1.11	100.0	0.00	0.0000
29.0	7.36	1.13	100.0	0.00	0.0000
31.8	6.71	1.18	100.0	0.00	0.0000
34.8	6.13	1.21	100.0	0.00	0.0000
38.0	5.61	1.23	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Topogoruk 1 : 9,745 - 775 feet

File 003-242

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	1.26	100.0	0.00	0.0000
45.5	4.69	1.31	100.0	0.00	0.0000
49.8	4.28	1.31	100.0	0.00	0.0000
54.5	3.91	1.34	100.0	0.00	0.0000
59.6	3.58	1.34	100.0	0.00	0.0000
65.2	3.27	1.36	100.0	0.00	0.0000
71.3	2.99	1.36	100.0	0.00	0.0000
78.0	2.73	1.39	100.0	0.00	0.0000
85.3	2.50	1.39	100.0	0.00	0.0000
93.4	2.28	1.41	100.0	0.00	0.0000
102	2.09	1.44	100.0	0.00	0.0000
112	1.90	1.44	100.0	0.00	0.0000
122	1.75	1.46	100.0	0.00	0.0000
134	1.59	1.46	100.0	0.00	0.0000
146	1.46	1.49	100.0	0.00	0.0000
160	1.33	1.52	100.0	0.00	0.0000
175	1.22	1.54	100.0	0.00	0.0000
191	1.12	1.54	100.0	0.00	0.0000
209	1.02	1.57	100.0	0.00	0.0000
229	0.932	1.59	100.0	0.00	0.0000
251	0.850	1.59	100.0	0.00	0.0000
274	0.779	1.62	100.0	0.00	0.0000
300	0.711	1.64	100.0	0.00	0.0000
328	0.650	1.67	100.0	0.00	0.0000
359	0.594	1.67	100.0	0.00	0.0000
393	0.543	1.70	100.0	0.00	0.0000
430	0.496	1.72	100.0	0.00	0.0000
470	0.454	1.75	100.0	0.00	0.0000
514	0.415	1.77	100.0	0.00	0.0000
563	0.379	1.80	100.0	0.00	0.0000
615	0.347	1.80	100.0	0.00	0.0000
673	0.317	1.82	100.0	0.00	0.0000
736	0.290	1.85	100.0	0.00	0.0000
806	0.265	1.88	100.0	0.00	0.0000
881	0.242	1.93	100.0	0.00	0.0000
964	0.221	1.95	100.0	0.00	0.0000
1050	0.203	1.95	100.0	0.00	0.0000
1150	0.186	2.00	100.0	0.00	0.0000
1260	0.169	2.03	100.0	0.00	0.0000
1380	0.155	2.06	100.0	0.00	0.0000
1510	0.141	2.08	100.0	0.00	0.0000
1650	0.129	2.13	100.0	0.00	0.0000

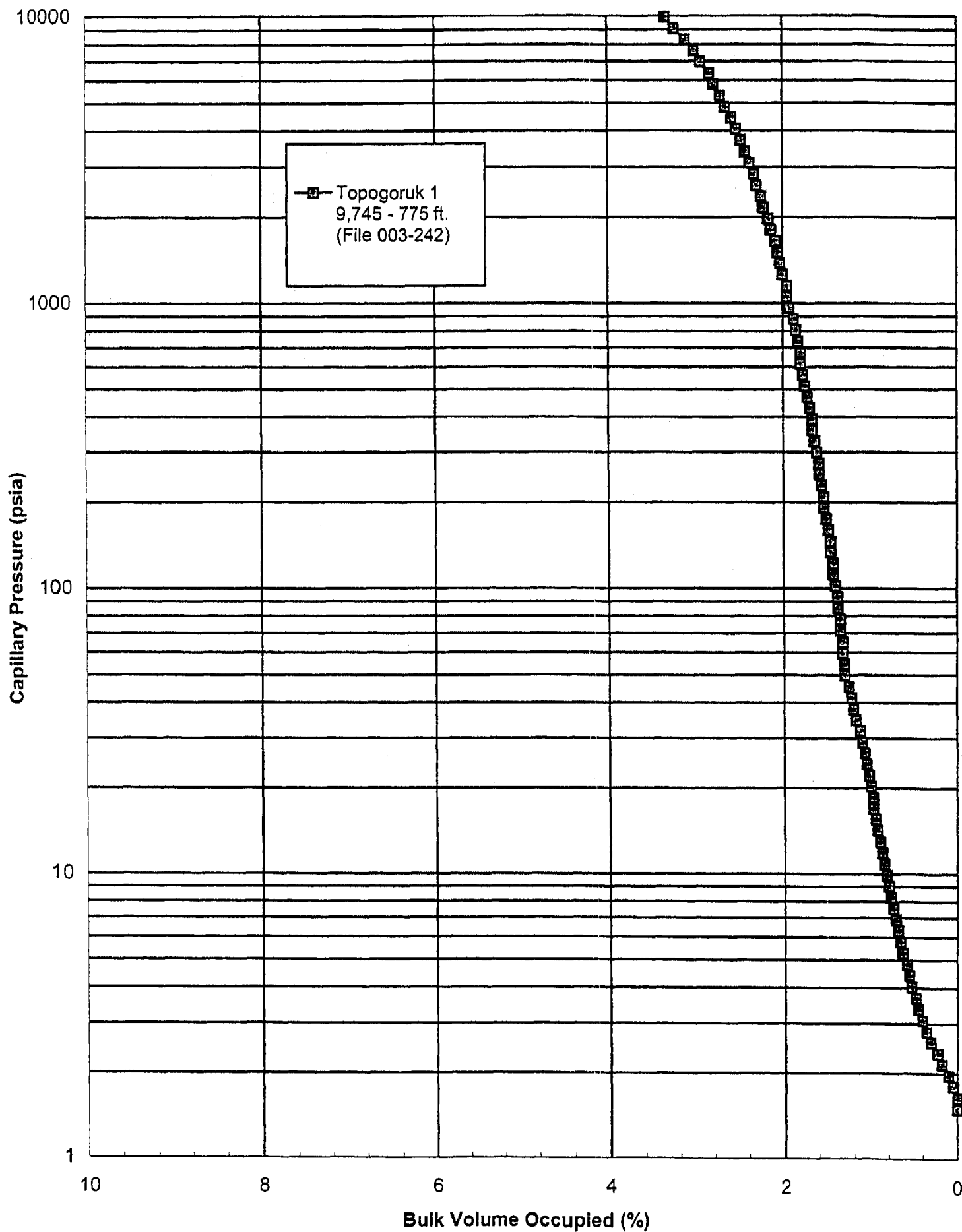
Mercury Injection Capillary Pressure

Topogoruk 1 : 9,745 - 775 feet

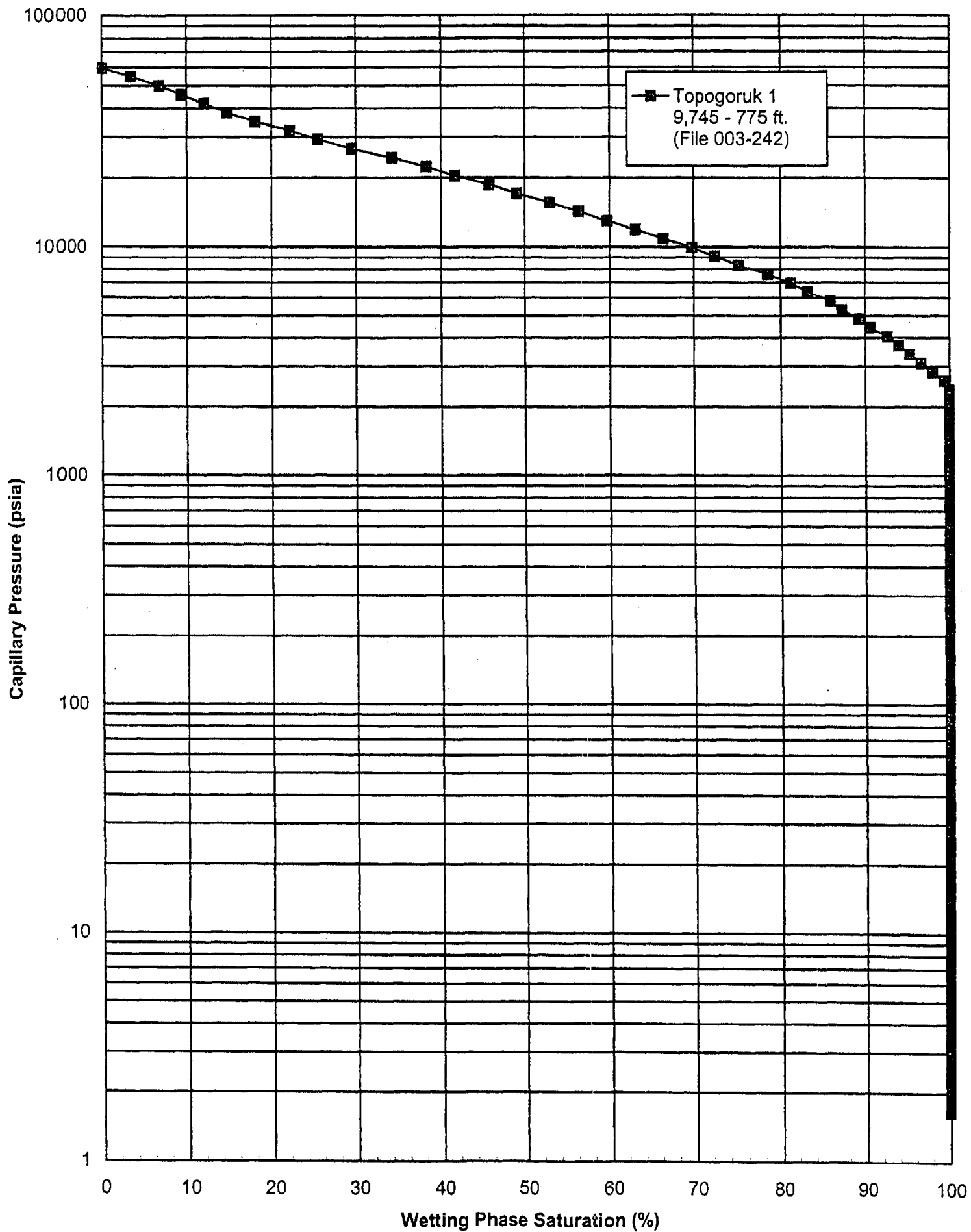
File 003-242

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	2.16	100.0	0.00	0.0000
1980	0.1077	2.21	100.0	0.00	0.0000
2160	0.0988	2.24	100.0	0.00	0.0000
2370	0.0900	2.29	100.0	0.00	0.0000
2590	0.0824	2.31	99.3	0.67	0.0031
2830	0.0754	2.36	98.0	1.34	0.0056
3100	0.0688	2.42	96.6	1.34	0.0050
3390	0.0629	2.47	95.3	1.34	0.0046
3710	0.0575	2.52	94.0	1.34	0.0042
4060	0.0525	2.57	92.6	1.34	0.0038
4440	0.0480	2.65	90.6	2.01	0.0053
4850	0.0440	2.70	89.3	1.34	0.0033
5310	0.0402	2.78	87.2	2.01	0.0044
5810	0.0367	2.83	85.9	1.34	0.0027
6360	0.0335	2.93	83.2	2.68	0.0049
6950	0.0307	3.01	81.2	2.01	0.0034
7610	0.0280	3.11	78.5	2.68	0.0041
8320	0.0256	3.24	75.2	3.36	0.0047
9100	0.0234	3.34	72.5	2.68	0.0034
9960	0.0214	3.44	69.8	2.68	0.0031
10900	0.0196	3.57	66.4	3.36	0.0036
11900	0.0179	3.70	63.1	3.36	0.0034
13000	0.0164	3.83	59.7	3.36	0.0031
14300	0.0149	3.96	56.4	3.36	0.0026
15600	0.0137	4.09	53.0	3.36	0.0026
17100	0.0125	4.24	49.0	4.03	0.0027
18700	0.0114	4.37	45.6	3.36	0.0021
20400	0.0105	4.52	41.6	4.03	0.0024
22300	0.0096	4.65	38.3	3.36	0.0018
24400	0.0087	4.81	34.2	4.03	0.0019
26700	0.0080	4.99	29.5	4.70	0.0020
29300	0.0073	5.14	25.5	4.03	0.0015
32000	0.0067	5.27	22.1	3.36	0.0012
35000	0.0061	5.42	18.1	4.03	0.0013
38300	0.0056	5.55	14.8	3.36	0.0010
41900	0.0051	5.65	12.1	2.68	0.0007
45800	0.0047	5.76	9.4	2.68	0.0007
50100	0.0043	5.86	6.7	2.68	0.0006
54800	0.0039	5.99	3.4	3.36	0.0007
59500	0.0036	6.12	0.0	3.36	0.0007

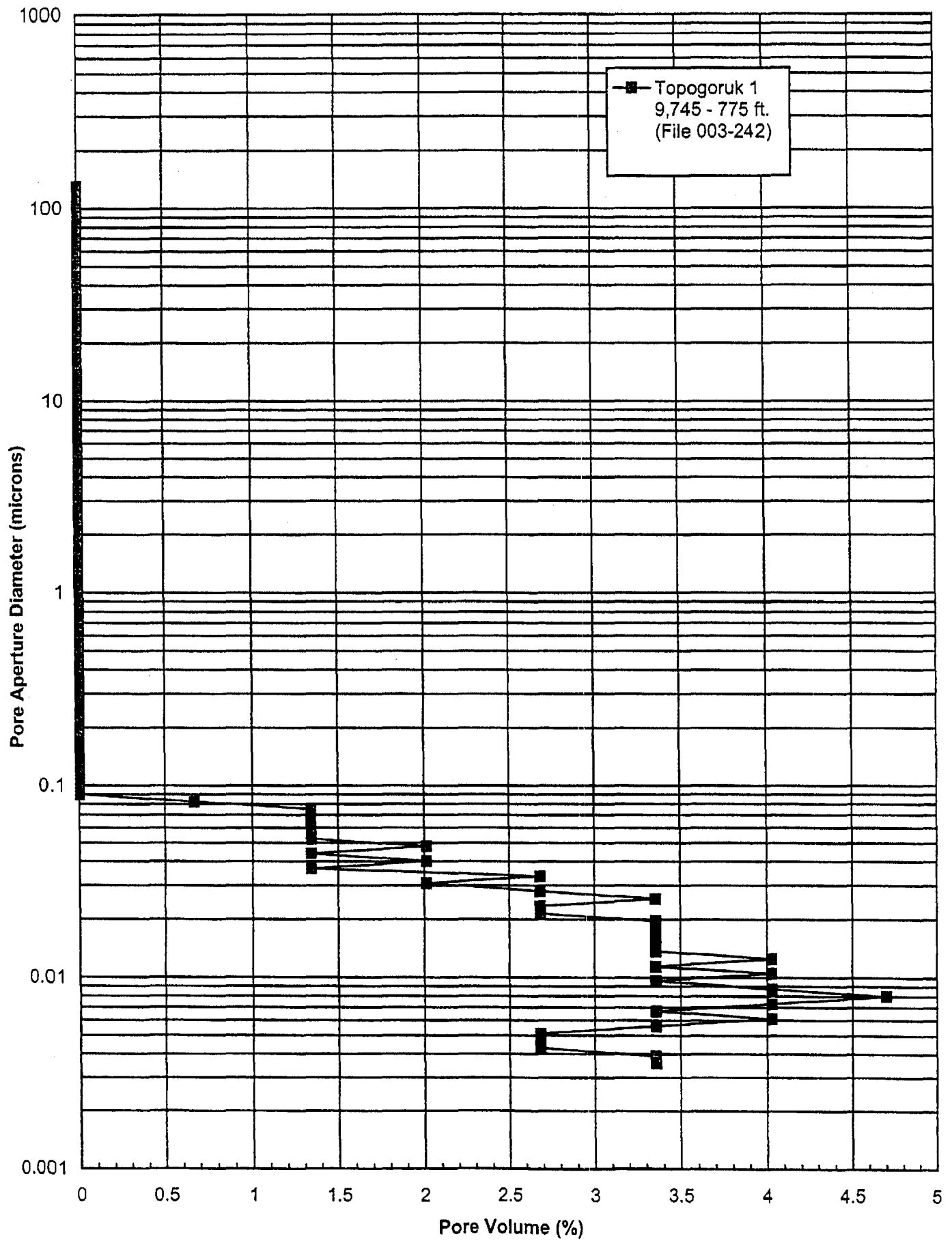
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Tulageak 1 : 2,910 - 940 feet

File 003-245

Sample Information

Bulk Volume = 1.9834 cc

Pore Volume = 0.1462 cc

Closure = 5.20%BV @ 3710 psia

Porosity = 7.37% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0163 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.16	100.0	0.00	0.0000
1.80	119	0.38	100.0	0.00	0.0000
1.96	109	0.64	100.0	0.00	0.0000
2.15	99.2	0.92	100.0	0.00	0.0000
2.35	90.8	1.13	100.0	0.00	0.0000
2.57	83.0	1.32	100.0	0.00	0.0000
2.81	75.9	1.48	100.0	0.00	0.0000
3.08	69.3	1.65	100.0	0.00	0.0000
3.37	63.3	1.77	100.0	0.00	0.0000
3.68	58.0	1.91	100.0	0.00	0.0000
4.03	52.9	2.00	100.0	0.00	0.0000
4.41	48.4	2.10	100.0	0.00	0.0000
4.82	44.3	2.19	100.0	0.00	0.0000
5.27	40.5	2.26	100.0	0.00	0.0000
5.77	37.0	2.33	100.0	0.00	0.0000
6.31	33.8	2.40	100.0	0.00	0.0000
6.90	30.9	2.45	100.0	0.00	0.0000
7.55	28.3	2.50	100.0	0.00	0.0000
8.26	25.8	2.54	100.0	0.00	0.0000
9.04	23.6	2.59	100.0	0.00	0.0000
9.89	21.6	2.61	100.0	0.00	0.0000
10.8	19.8	2.66	100.0	0.00	0.0000
11.8	18.1	2.68	100.0	0.00	0.0000
12.9	16.5	2.73	100.0	0.00	0.0000
14.2	15.0	2.75	100.0	0.00	0.0000
15.5	13.8	2.78	100.0	0.00	0.0000
16.9	12.6	2.83	100.0	0.00	0.0000
18.5	11.5	2.85	100.0	0.00	0.0000
20.3	10.5	2.87	100.0	0.00	0.0000
22.2	9.61	2.90	100.0	0.00	0.0000
24.3	8.78	2.94	100.0	0.00	0.0000
26.6	8.02	2.97	100.0	0.00	0.0000
29.0	7.36	2.99	100.0	0.00	0.0000
31.8	6.71	3.04	100.0	0.00	0.0000
34.8	6.13	3.06	100.0	0.00	0.0000
38.0	5.61	3.11	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Tulageak 1 : 2,910 - 940 feet

File 003-245

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	3.16	100.0	0.00	0.0000
45.5	4.69	3.23	100.0	0.00	0.0000
49.8	4.28	3.25	100.0	0.00	0.0000
54.5	3.91	3.27	100.0	0.00	0.0000
59.6	3.58	3.30	100.0	0.00	0.0000
65.2	3.27	3.32	100.0	0.00	0.0000
71.3	2.99	3.34	100.0	0.00	0.0000
78.0	2.73	3.37	100.0	0.00	0.0000
85.3	2.50	3.41	100.0	0.00	0.0000
93.4	2.28	3.44	100.0	0.00	0.0000
102	2.09	3.46	100.0	0.00	0.0000
112	1.90	3.51	100.0	0.00	0.0000
122	1.75	3.53	100.0	0.00	0.0000
134	1.59	3.56	100.0	0.00	0.0000
146	1.46	3.58	100.0	0.00	0.0000
160	1.33	3.63	100.0	0.00	0.0000
175	1.22	3.65	100.0	0.00	0.0000
191	1.12	3.70	100.0	0.00	0.0000
209	1.02	3.72	100.0	0.00	0.0000
229	0.932	3.77	100.0	0.00	0.0000
251	0.850	3.79	100.0	0.00	0.0000
274	0.779	3.81	100.0	0.00	0.0000
300	0.711	3.86	100.0	0.00	0.0000
328	0.650	3.91	100.0	0.00	0.0000
359	0.594	3.93	100.0	0.00	0.0000
393	0.543	3.98	100.0	0.00	0.0000
430	0.496	4.00	100.0	0.00	0.0000
470	0.454	4.05	100.0	0.00	0.0000
514	0.415	4.07	100.0	0.00	0.0000
563	0.379	4.12	100.0	0.00	0.0000
615	0.347	4.17	100.0	0.00	0.0000
673	0.317	4.21	100.0	0.00	0.0000
736	0.290	4.24	100.0	0.00	0.0000
806	0.265	4.29	100.0	0.00	0.0000
881	0.242	4.33	100.0	0.00	0.0000
964	0.221	4.38	100.0	0.00	0.0000
1050	0.203	4.43	100.0	0.00	0.0000
1150	0.186	4.47	100.0	0.00	0.0000
1260	0.169	4.52	100.0	0.00	0.0000
1380	0.155	4.57	100.0	0.00	0.0000
1510	0.141	4.61	100.0	0.00	0.0000
1650	0.129	4.66	100.0	0.00	0.0000

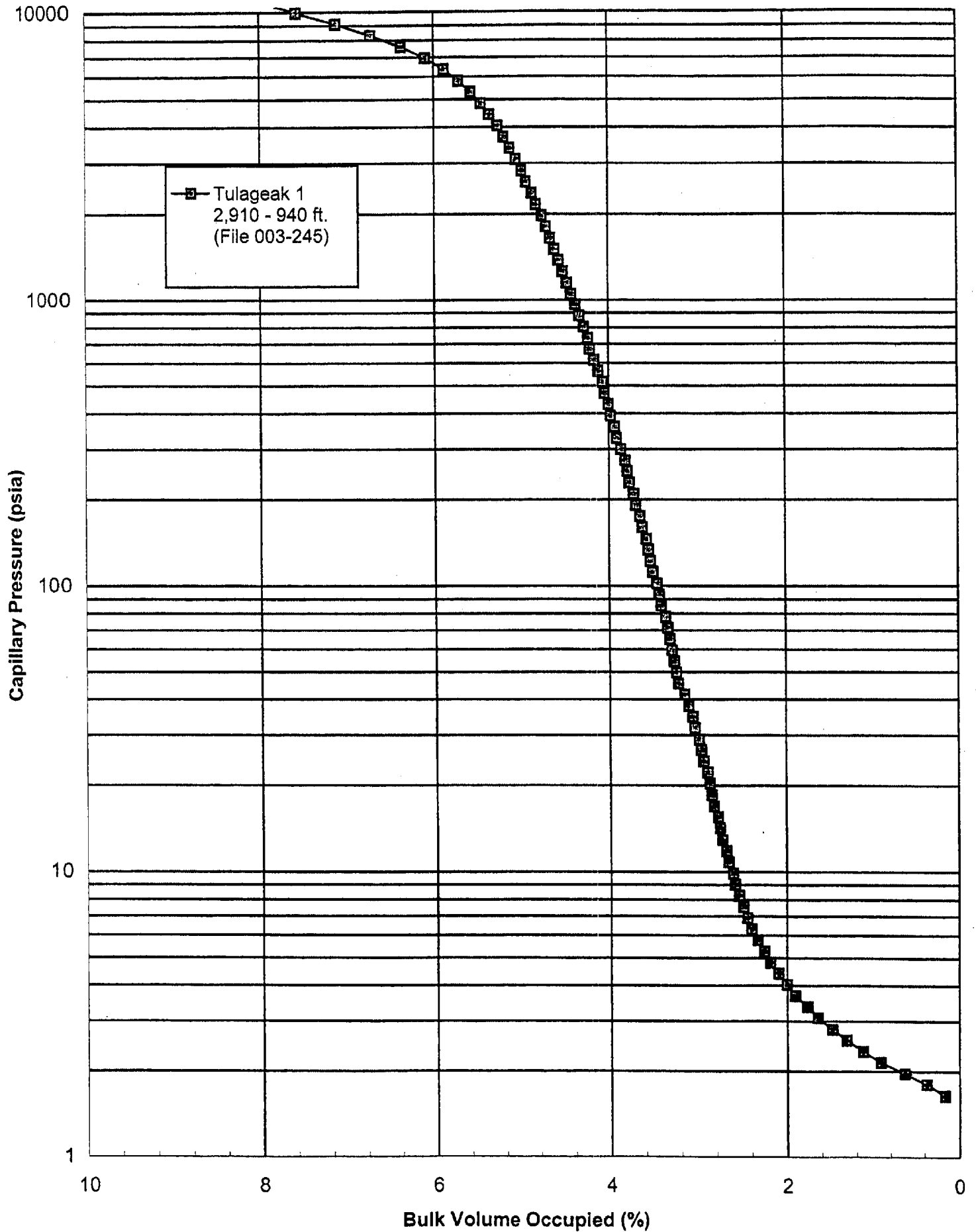
Mercury Injection Capillary Pressure

Tulageak 1 : 2,910 - 940 feet

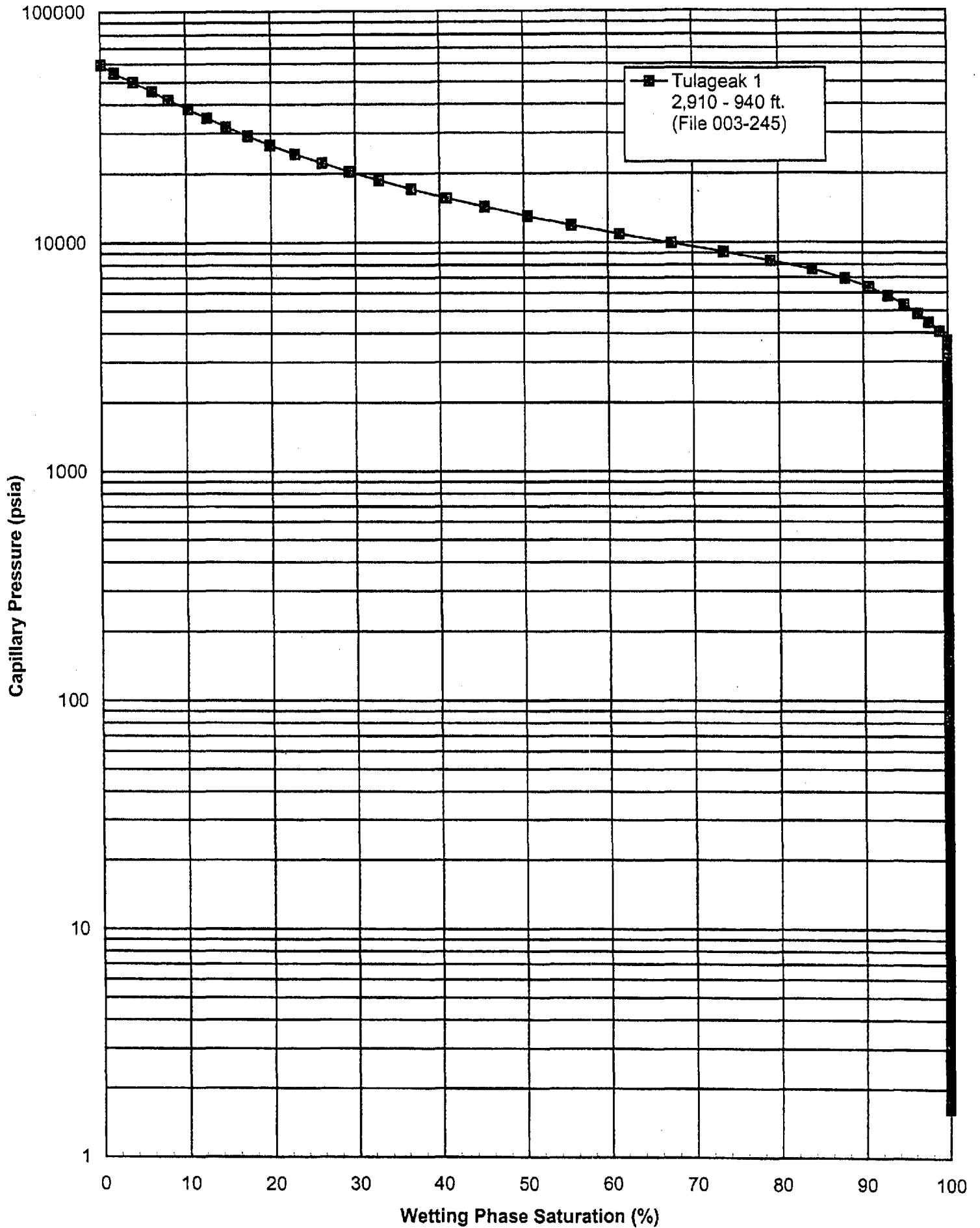
File 003-245

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	4.71	100.0	0.00	0.0000
1980	0.1077	4.76	100.0	0.00	0.0000
2160	0.0988	4.83	100.0	0.00	0.0000
2370	0.0900	4.87	100.0	0.00	0.0000
2590	0.0824	4.94	100.0	0.00	0.0000
2830	0.0754	4.99	100.0	0.00	0.0000
3100	0.0688	5.06	100.0	0.00	0.0000
3390	0.0629	5.13	100.0	0.00	0.0000
3710	0.0575	5.20	100.0	0.00	0.0000
4060	0.0525	5.27	99.0	0.96	0.0028
4440	0.0480	5.37	97.7	1.29	0.0034
4850	0.0440	5.46	96.5	1.29	0.0031
5310	0.0402	5.58	94.9	1.61	0.0035
5810	0.0367	5.72	92.9	1.93	0.0039
6360	0.0335	5.89	90.7	2.25	0.0041
6950	0.0307	6.10	87.8	2.89	0.0049
7610	0.0280	6.38	83.9	3.86	0.0058
8320	0.0256	6.73	79.1	4.82	0.0068
9100	0.0234	7.13	73.6	5.47	0.0070
9960	0.0214	7.58	67.5	6.11	0.0071
10900	0.0196	8.03	61.4	6.11	0.0065
11900	0.0179	8.45	55.6	5.79	0.0058
13000	0.0164	8.83	50.5	5.14	0.0047
14300	0.0149	9.21	45.3	5.14	0.0040
15600	0.0137	9.54	40.8	4.50	0.0035
17100	0.0125	9.84	36.7	4.18	0.0028
18700	0.0114	10.12	32.8	3.86	0.0024
20400	0.0105	10.38	29.3	3.54	0.0021
22300	0.0096	10.62	26.0	3.22	0.0017
24400	0.0087	10.85	22.8	3.22	0.0015
26700	0.0080	11.07	19.9	2.89	0.0013
29300	0.0073	11.25	17.4	2.57	0.0010
32000	0.0067	11.44	14.8	2.57	0.0010
35000	0.0061	11.61	12.5	2.25	0.0008
38300	0.0056	11.77	10.3	2.25	0.0007
41900	0.0051	11.94	8.0	2.25	0.0006
45800	0.0047	12.08	6.1	1.93	0.0005
50100	0.0043	12.24	3.9	2.25	0.0005
54800	0.0039	12.41	1.6	2.25	0.0005
59500	0.0036	12.53	0.0	1.61	0.0003

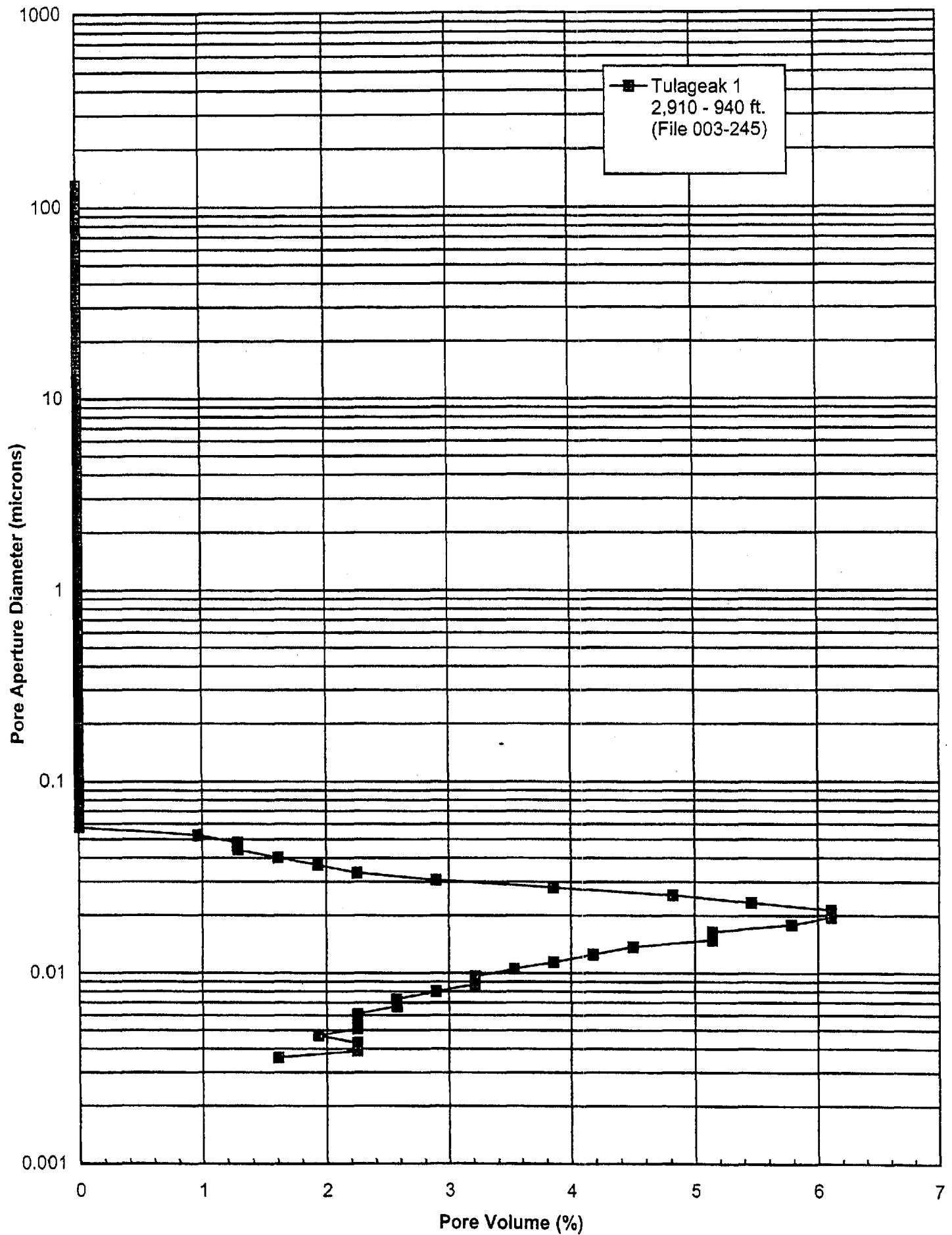
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Walakpa 1 : 1,710 - 740 feet

File 003-240

Sample Information

Bulk Volume = 3.5798 cc

Pore Volume = 0.4237 cc

Closure = 7.05%BV @ 2830 psia

Porosity = 11.8% (mercury)

Permeability = N/A

Median Pore Aperture = 0.0138 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.17	100.0	0.00	0.0000
1.80	119	0.37	100.0	0.00	0.0000
1.96	109	0.58	100.0	0.00	0.0000
2.15	99.2	0.80	100.0	0.00	0.0000
2.35	90.8	0.97	100.0	0.00	0.0000
2.57	83.0	1.12	100.0	0.00	0.0000
2.81	75.9	1.27	100.0	0.00	0.0000
3.08	69.3	1.40	100.0	0.00	0.0000
3.37	63.3	1.53	100.0	0.00	0.0000
3.68	58.0	1.66	100.0	0.00	0.0000
4.03	52.9	1.79	100.0	0.00	0.0000
4.41	48.4	1.90	100.0	0.00	0.0000
4.82	44.3	1.98	100.0	0.00	0.0000
5.27	40.5	2.07	100.0	0.00	0.0000
5.77	37.0	2.18	100.0	0.00	0.0000
6.31	33.8	2.29	100.0	0.00	0.0000
6.90	30.9	2.39	100.0	0.00	0.0000
7.55	28.3	2.48	100.0	0.00	0.0000
8.26	25.8	2.57	100.0	0.00	0.0000
9.04	23.6	2.65	100.0	0.00	0.0000
9.89	21.6	2.76	100.0	0.00	0.0000
10.8	19.8	2.85	100.0	0.00	0.0000
11.8	18.1	2.93	100.0	0.00	0.0000
12.9	16.5	3.02	100.0	0.00	0.0000
14.2	15.0	3.10	100.0	0.00	0.0000
15.5	13.8	3.19	100.0	0.00	0.0000
16.9	12.6	3.28	100.0	0.00	0.0000
18.5	11.5	3.36	100.0	0.00	0.0000
20.3	10.5	3.47	100.0	0.00	0.0000
22.2	9.61	3.56	100.0	0.00	0.0000
24.3	8.78	3.66	100.0	0.00	0.0000
26.6	8.02	3.75	100.0	0.00	0.0000
29.0	7.36	3.84	100.0	0.00	0.0000
31.8	6.71	3.92	100.0	0.00	0.0000
34.8	6.13	3.99	100.0	0.00	0.0000
38.0	5.61	4.14	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Walakpa 1 : 1,710 - 740 feet

File 003-240

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	4.23	100.0	0.00	0.0000
45.5	4.69	4.33	100.0	0.00	0.0000
49.8	4.28	4.40	100.0	0.00	0.0000
54.5	3.91	4.46	100.0	0.00	0.0000
59.6	3.58	4.53	100.0	0.00	0.0000
65.2	3.27	4.59	100.0	0.00	0.0000
71.3	2.99	4.66	100.0	0.00	0.0000
78.0	2.73	4.72	100.0	0.00	0.0000
85.3	2.50	4.79	100.0	0.00	0.0000
93.4	2.28	4.85	100.0	0.00	0.0000
102	2.09	4.89	100.0	0.00	0.0000
112	1.90	4.96	100.0	0.00	0.0000
122	1.75	5.02	100.0	0.00	0.0000
134	1.59	5.09	100.0	0.00	0.0000
146	1.46	5.15	100.0	0.00	0.0000
160	1.33	5.22	100.0	0.00	0.0000
175	1.22	5.28	100.0	0.00	0.0000
191	1.12	5.32	100.0	0.00	0.0000
209	1.02	5.37	100.0	0.00	0.0000
229	0.932	5.43	100.0	0.00	0.0000
251	0.850	5.48	100.0	0.00	0.0000
274	0.779	5.54	100.0	0.00	0.0000
300	0.711	5.60	100.0	0.00	0.0000
328	0.650	5.65	100.0	0.00	0.0000
359	0.594	5.69	100.0	0.00	0.0000
393	0.543	5.76	100.0	0.00	0.0000
430	0.496	5.80	100.0	0.00	0.0000
470	0.454	5.84	100.0	0.00	0.0000
514	0.415	5.91	100.0	0.00	0.0000
563	0.379	5.97	100.0	0.00	0.0000
615	0.347	6.01	100.0	0.00	0.0000
673	0.317	6.08	100.0	0.00	0.0000
736	0.290	6.12	100.0	0.00	0.0000
806	0.265	6.19	100.0	0.00	0.0000
881	0.242	6.23	100.0	0.00	0.0000
964	0.221	6.27	100.0	0.00	0.0000
1050	0.203	6.32	100.0	0.00	0.0000
1150	0.186	6.36	100.0	0.00	0.0000
1260	0.169	6.42	100.0	0.00	0.0000
1380	0.155	6.49	100.0	0.00	0.0000
1510	0.141	6.55	100.0	0.00	0.0000
1650	0.129	6.62	100.0	0.00	0.0000

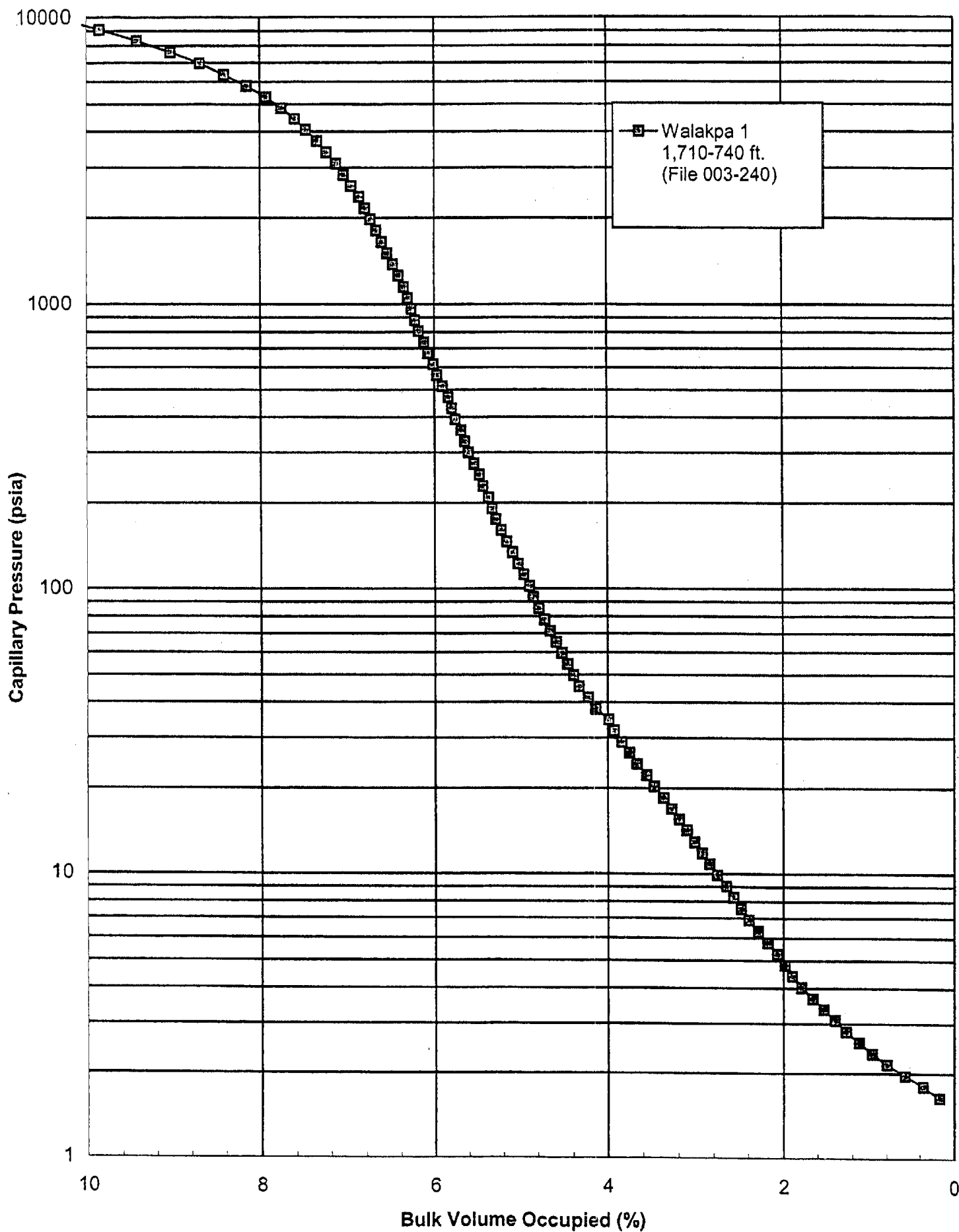
Mercury Injection Capillary Pressure

Walakpa 1 : 1,710 - 740 feet

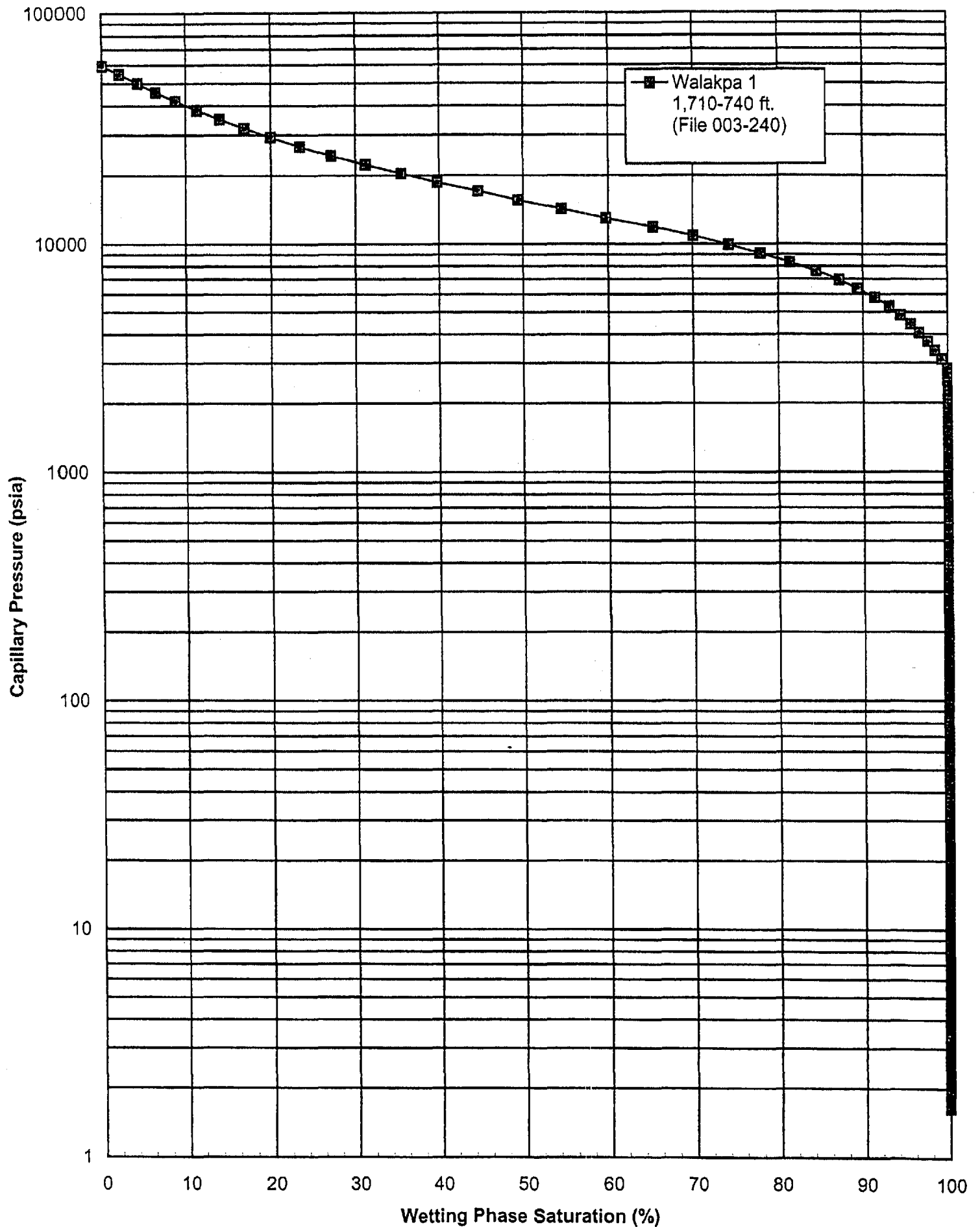
File 003-240

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	6.68	100.0	0.00	0.0000
1980	0.1077	6.75	100.0	0.00	0.0000
2160	0.0988	6.81	100.0	0.00	0.0000
2370	0.0900	6.88	100.0	0.00	0.0000
2590	0.0824	6.96	100.0	0.00	0.0000
2830	0.0754	7.05	100.0	0.00	0.0000
3100	0.0688	7.14	99.3	0.68	0.0025
3390	0.0629	7.24	98.5	0.85	0.0029
3710	0.0575	7.35	97.6	0.85	0.0026
4060	0.0525	7.48	96.6	1.02	0.0029
4440	0.0480	7.61	95.6	1.02	0.0027
4850	0.0440	7.76	94.4	1.18	0.0029
5310	0.0402	7.93	93.1	1.35	0.0029
5810	0.0367	8.15	91.4	1.69	0.0034
6360	0.0335	8.41	89.3	2.03	0.0037
6950	0.0307	8.69	87.1	2.20	0.0037
7610	0.0280	9.03	84.4	2.71	0.0041
8320	0.0256	9.42	81.4	3.05	0.0043
9100	0.0234	9.85	78.0	3.38	0.0043
9960	0.0214	10.33	74.3	3.72	0.0043
10900	0.0196	10.86	70.1	4.23	0.0045
11900	0.0179	11.47	65.3	4.74	0.0047
13000	0.0164	12.18	59.7	5.58	0.0051
14300	0.0149	12.85	54.5	5.25	0.0040
15600	0.0137	13.49	49.4	5.08	0.0039
17100	0.0125	14.10	44.7	4.74	0.0032
18700	0.0114	14.72	39.8	4.91	0.0031
20400	0.0105	15.28	35.4	4.40	0.0026
22300	0.0096	15.82	31.1	4.23	0.0022
24400	0.0087	16.34	27.1	4.06	0.0019
26700	0.0080	16.81	23.4	3.72	0.0016
29300	0.0073	17.25	20.0	3.38	0.0013
32000	0.0067	17.63	16.9	3.05	0.0011
35000	0.0061	18.00	14.0	2.88	0.0010
38300	0.0056	18.35	11.3	2.71	0.0008
41900	0.0051	18.67	8.8	2.54	0.0007
45800	0.0047	18.97	6.4	2.37	0.0006
50100	0.0043	19.25	4.2	2.20	0.0005
54800	0.0039	19.53	2.0	2.20	0.0005
59500	0.0036	19.79	0.0	2.03	0.0004

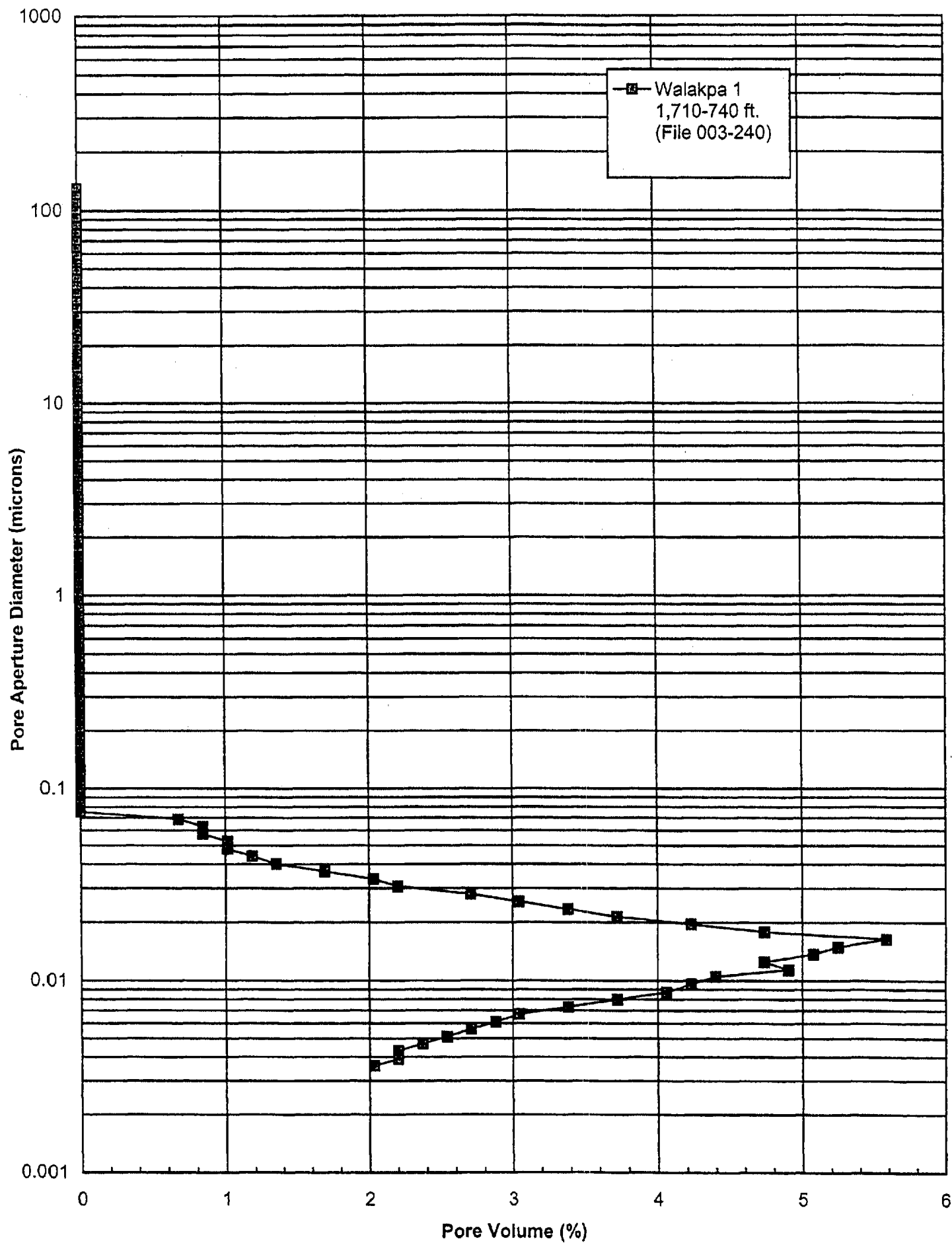
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Walakpa 1 : 2,061 feet

File 003-237

Sample Information

Bulk Volume = 4.4690 cc

Pore Volume = 0.4250 cc

Closure = 1.55%BV @ 2590 psia

Porosity = 9.51% (mercury)

Permeability = 0.0005 md (mercury)

Median Pore Aperture = 0.0106 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.02	100.0	0.00	0.0000
1.80	119	0.05	100.0	0.00	0.0000
1.96	109	0.07	100.0	0.00	0.0000
2.15	99.2	0.07	100.0	0.00	0.0000
2.35	90.8	0.09	100.0	0.00	0.0000
2.57	83.0	0.12	100.0	0.00	0.0000
2.81	75.9	0.14	100.0	0.00	0.0000
3.08	69.3	0.16	100.0	0.00	0.0000
3.37	63.3	0.19	100.0	0.00	0.0000
3.68	58.0	0.19	100.0	0.00	0.0000
4.03	52.9	0.21	100.0	0.00	0.0000
4.41	48.4	0.23	100.0	0.00	0.0000
4.82	44.3	0.26	100.0	0.00	0.0000
5.27	40.5	0.26	100.0	0.00	0.0000
5.77	37.0	0.28	100.0	0.00	0.0000
6.31	33.8	0.31	100.0	0.00	0.0000
6.90	30.9	0.31	100.0	0.00	0.0000
7.55	28.3	0.33	100.0	0.00	0.0000
8.26	25.8	0.35	100.0	0.00	0.0000
9.04	23.6	0.35	100.0	0.00	0.0000
9.89	21.6	0.38	100.0	0.00	0.0000
10.8	19.8	0.40	100.0	0.00	0.0000
11.8	18.1	0.42	100.0	0.00	0.0000
12.9	16.5	0.42	100.0	0.00	0.0000
14.2	15.0	0.45	100.0	0.00	0.0000
15.5	13.8	0.47	100.0	0.00	0.0000
16.9	12.6	0.49	100.0	0.00	0.0000
18.5	11.5	0.49	100.0	0.00	0.0000
20.3	10.5	0.52	100.0	0.00	0.0000
22.2	9.61	0.54	100.0	0.00	0.0000
24.3	8.78	0.56	100.0	0.00	0.0000
26.6	8.02	0.61	100.0	0.00	0.0000
29.0	7.36	0.63	100.0	0.00	0.0000
31.8	6.71	0.66	100.0	0.00	0.0000
34.8	6.13	0.70	100.0	0.00	0.0000
38.0	5.61	0.73	100.0	0.00	0.0000



Mercury Injection Capillary Pressure

Walakpa 1 : 2,061 feet

File 003-237

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.75	100.0	0.00	0.0000
45.5	4.69	0.80	100.0	0.00	0.0000
49.8	4.28	0.80	100.0	0.00	0.0000
54.5	3.91	0.82	100.0	0.00	0.0000
59.6	3.58	0.82	100.0	0.00	0.0000
65.2	3.27	0.85	100.0	0.00	0.0000
71.3	2.99	0.87	100.0	0.00	0.0000
78.0	2.73	0.87	100.0	0.00	0.0000
85.3	2.50	0.89	100.0	0.00	0.0000
93.4	2.28	0.92	100.0	0.00	0.0000
102	2.09	0.94	100.0	0.00	0.0000
112	1.90	0.94	100.0	0.00	0.0000
122	1.75	0.96	100.0	0.00	0.0000
134	1.59	0.96	100.0	0.00	0.0000
146	1.46	0.99	100.0	0.00	0.0000
160	1.33	0.99	100.0	0.00	0.0000
175	1.22	1.01	100.0	0.00	0.0000
191	1.12	1.03	100.0	0.00	0.0000
209	1.02	1.03	100.0	0.00	0.0000
229	0.932	1.06	100.0	0.00	0.0000
251	0.850	1.06	100.0	0.00	0.0000
274	0.779	1.08	100.0	0.00	0.0000
300	0.711	1.08	100.0	0.00	0.0000
328	0.650	1.10	100.0	0.00	0.0000
359	0.594	1.10	100.0	0.00	0.0000
393	0.543	1.13	100.0	0.00	0.0000
430	0.496	1.13	100.0	0.00	0.0000
470	0.454	1.15	100.0	0.00	0.0000
514	0.415	1.15	100.0	0.00	0.0000
563	0.379	1.17	100.0	0.00	0.0000
615	0.347	1.20	100.0	0.00	0.0000
673	0.317	1.20	100.0	0.00	0.0000
736	0.290	1.22	100.0	0.00	0.0000
806	0.265	1.24	100.0	0.00	0.0000
881	0.242	1.24	100.0	0.00	0.0000
964	0.221	1.27	100.0	0.00	0.0000
1050	0.203	1.29	100.0	0.00	0.0000
1150	0.186	1.29	100.0	0.00	0.0000
1260	0.169	1.31	100.0	0.00	0.0000
1380	0.155	1.34	100.0	0.00	0.0000
1510	0.141	1.36	100.0	0.00	0.0000
1650	0.129	1.39	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

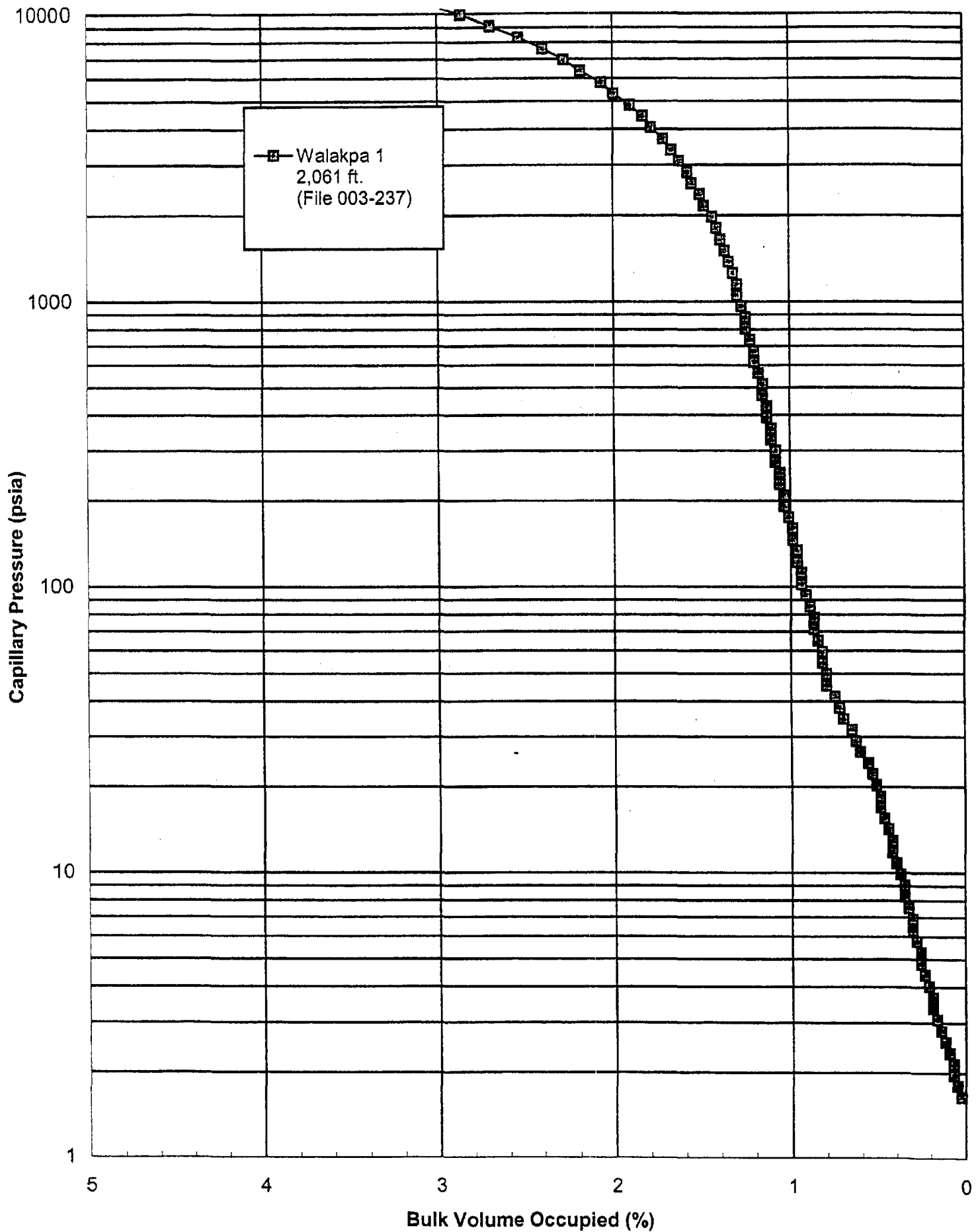
Walakpa 1 : 2,061 feet

File 003-237

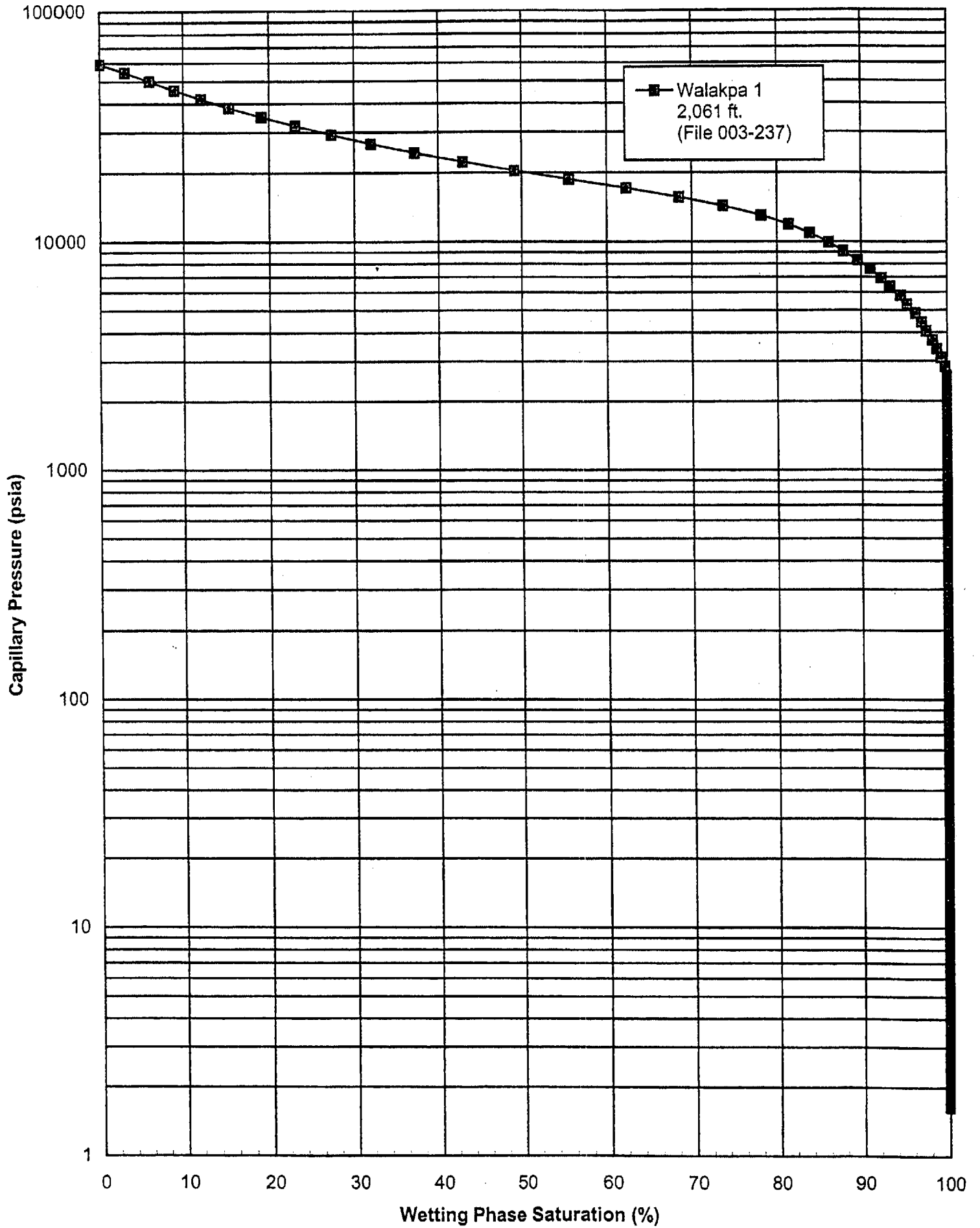
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	1.41	100.0	0.00	0.0000
1980	0.1077	1.43	100.0	0.00	0.0000
2160	0.0988	1.48	100.0	0.00	0.0000
2370	0.0900	1.50	100.0	0.00	0.0000
2590	0.0824	1.55	100.0	0.00	0.0000
2830	0.0754	1.57	99.8	0.25	0.0010
3100	0.0688	1.62	99.3	0.50	0.0018
3390	0.0629	1.67	98.8	0.50	0.0017
3710	0.0575	1.71	98.3	0.50	0.0016
4060	0.0525	1.78	97.5	0.74	0.0021
4440	0.0480	1.83	97.0	0.50	0.0013
4850	0.0440	1.90	96.3	0.74	0.0018
5310	0.0402	2.00	95.3	0.99	0.0022
5810	0.0367	2.07	94.5	0.74	0.0015
6360	0.0335	2.18	93.3	1.24	0.0023
6950	0.0307	2.28	92.3	0.99	0.0017
7610	0.0280	2.40	91.1	1.24	0.0019
8320	0.0256	2.54	89.6	1.49	0.0021
9100	0.0234	2.70	87.8	1.74	0.0022
9960	0.0214	2.86	86.1	1.74	0.0020
10900	0.0196	3.08	83.9	2.23	0.0024
11900	0.0179	3.31	81.4	2.48	0.0025
13000	0.0164	3.62	78.2	3.23	0.0029
14300	0.0149	4.04	73.7	4.47	0.0034
15600	0.0137	4.53	68.5	5.21	0.0040
17100	0.0125	5.12	62.3	6.20	0.0041
18700	0.0114	5.75	55.6	6.70	0.0042
20400	0.0105	6.36	49.1	6.45	0.0038
22300	0.0096	6.95	42.9	6.20	0.0033
24400	0.0087	7.49	37.2	5.71	0.0027
26700	0.0080	7.98	32.0	5.21	0.0023
29300	0.0073	8.43	27.3	4.71	0.0018
32000	0.0067	8.83	23.1	4.22	0.0016
35000	0.0061	9.20	19.1	3.97	0.0013
38300	0.0056	9.56	15.4	3.72	0.0011
41900	0.0051	9.86	12.2	3.23	0.0009
45800	0.0047	10.17	8.9	3.23	0.0008
50100	0.0043	10.45	6.0	2.98	0.0007
54800	0.0039	10.73	3.0	2.98	0.0006
59500	0.0036	11.01	0.0	2.98	0.0006



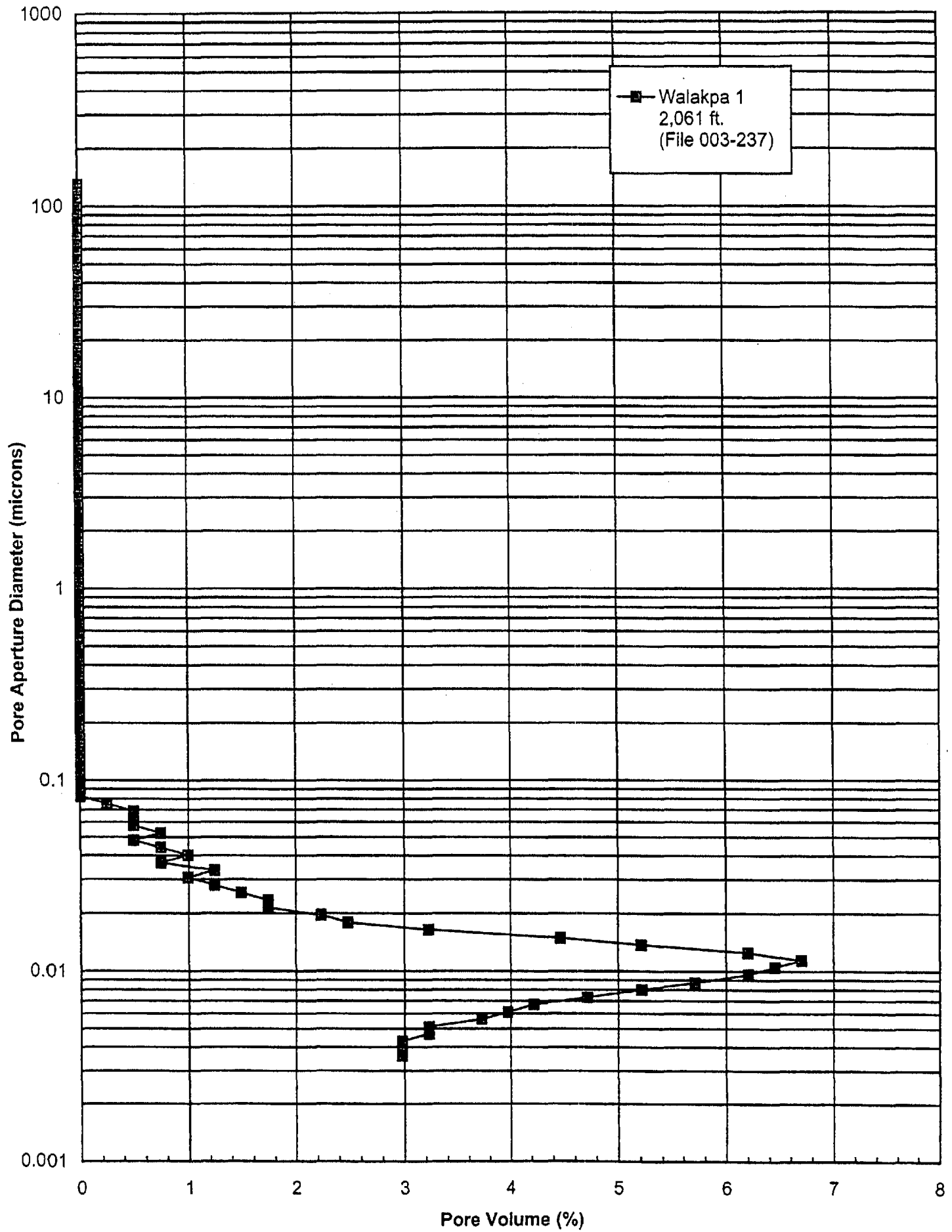
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Walakpa 1 : 2,062 feet

File 003-238

Sample Information

Bulk Volume = 5.7909 cc

Pore Volume = 0.5518 cc

Closure = 0.64%BV @ 78.0 psia

Porosity = 9.53 % (mercury)

Permeability = 0.095 md (mercury)

Median Pore Aperture = 0.0213 microns

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1.64	130	0.00	100.0	0.00	0.0000
1.80	119	0.02	100.0	0.00	0.0000
1.96	109	0.02	100.0	0.00	0.0000
2.15	99.2	0.05	100.0	0.00	0.0000
2.35	90.8	0.05	100.0	0.00	0.0000
2.57	83.0	0.07	100.0	0.00	0.0000
2.81	75.9	0.07	100.0	0.00	0.0000
3.08	69.3	0.09	100.0	0.00	0.0000
3.37	63.3	0.09	100.0	0.00	0.0000
3.68	58.0	0.12	100.0	0.00	0.0000
4.03	52.9	0.12	100.0	0.00	0.0000
4.41	48.4	0.12	100.0	0.00	0.0000
4.82	44.3	0.14	100.0	0.00	0.0000
5.27	40.5	0.14	100.0	0.00	0.0000
5.77	37.0	0.16	100.0	0.00	0.0000
6.31	33.8	0.16	100.0	0.00	0.0000
6.90	30.9	0.16	100.0	0.00	0.0000
7.55	28.3	0.16	100.0	0.00	0.0000
8.26	25.8	0.19	100.0	0.00	0.0000
9.04	23.6	0.19	100.0	0.00	0.0000
9.89	21.6	0.21	100.0	0.00	0.0000
10.8	19.8	0.21	100.0	0.00	0.0000
11.8	18.1	0.24	100.0	0.00	0.0000
12.9	16.5	0.24	100.0	0.00	0.0000
14.2	15.0	0.26	100.0	0.00	0.0000
15.5	13.8	0.28	100.0	0.00	0.0000
16.9	12.6	0.28	100.0	0.00	0.0000
18.5	11.5	0.31	100.0	0.00	0.0000
20.3	10.5	0.33	100.0	0.00	0.0000
22.2	9.61	0.33	100.0	0.00	0.0000
24.3	8.78	0.38	100.0	0.00	0.0000
26.6	8.02	0.38	100.0	0.00	0.0000
29.0	7.36	0.40	100.0	0.00	0.0000
31.8	6.71	0.42	100.0	0.00	0.0000
34.8	6.13	0.45	100.0	0.00	0.0000
38.0	5.61	0.47	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Walakpa 1 : 2,062 feet

File 003-238

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.49	100.0	0.00	0.0000
45.5	4.69	0.52	100.0	0.00	0.0000
49.8	4.28	0.52	100.0	0.00	0.0000
54.5	3.91	0.54	100.0	0.00	0.0000
59.6	3.58	0.56	100.0	0.00	0.0000
65.2	3.27	0.59	100.0	0.00	0.0000
71.3	2.99	0.61	100.0	0.00	0.0000
78.0	2.73	0.64	100.0	0.00	0.0000
85.3	2.50	0.66	99.8	0.25	0.0338
93.4	2.28	0.71	99.3	0.49	0.0610
102	2.09	0.78	98.5	0.74	0.0861
112	1.90	0.82	98.0	0.49	0.0494
122	1.75	0.87	97.5	0.49	0.0494
134	1.59	0.96	96.5	0.99	0.0823
146	1.46	1.04	95.8	0.74	0.0617
160	1.33	1.11	95.1	0.74	0.0529
175	1.22	1.18	94.3	0.74	0.0494
191	1.12	1.27	93.3	0.99	0.0617
209	1.02	1.32	92.8	0.49	0.0274
229	0.932	1.39	92.1	0.74	0.0370
251	0.850	1.46	91.4	0.74	0.0337
274	0.779	1.53	90.6	0.74	0.0322
300	0.711	1.60	89.9	0.74	0.0285
328	0.650	1.67	89.1	0.74	0.0265
359	0.594	1.72	88.6	0.49	0.0159
393	0.543	1.79	87.9	0.74	0.0218
430	0.496	1.84	87.4	0.49	0.0133
470	0.454	1.88	86.9	0.49	0.0123
514	0.415	1.93	86.4	0.49	0.0112
563	0.379	1.98	85.9	0.49	0.0101
615	0.347	2.02	85.4	0.49	0.0095
673	0.317	2.07	84.9	0.49	0.0085
736	0.290	2.12	84.4	0.49	0.0078
806	0.265	2.16	84.0	0.49	0.0071
881	0.242	2.19	83.7	0.25	0.0033
964	0.221	2.24	83.2	0.49	0.0059
1050	0.203	2.26	83.0	0.25	0.0029
1150	0.186	2.31	82.5	0.49	0.0049
1260	0.169	2.35	82.0	0.49	0.0045
1380	0.155	2.40	81.5	0.49	0.0041
1510	0.141	2.42	81.2	0.25	0.0019
1650	0.129	2.47	80.7	0.49	0.0035

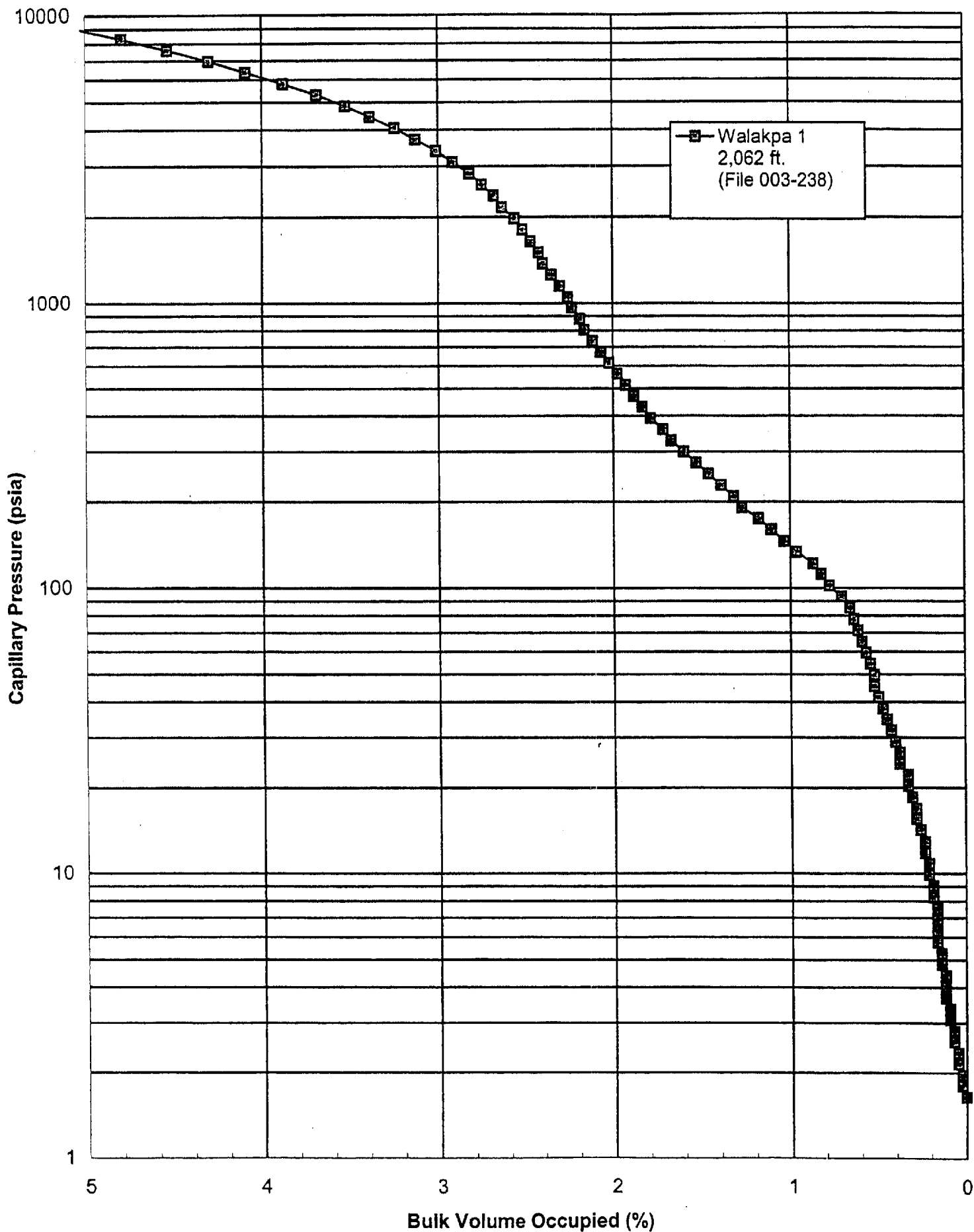
Mercury Injection Capillary Pressure

Walakpa 1 : 2,062 feet

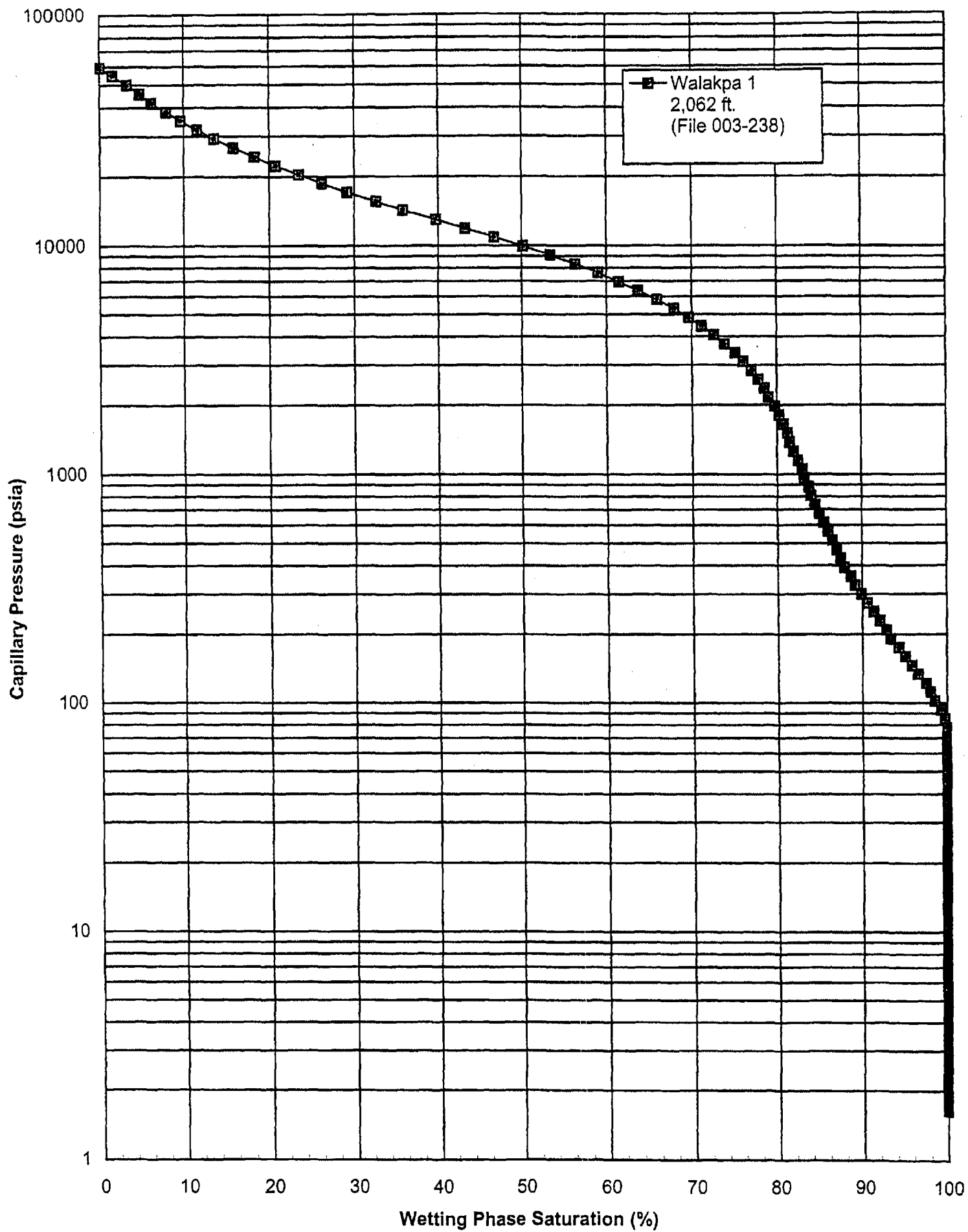
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Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	2.52	80.2	0.49	0.0031
1980	0.1077	2.56	79.8	0.49	0.0029
2160	0.0988	2.63	79.0	0.74	0.0041
2370	0.0900	2.68	78.5	0.49	0.0024
2590	0.0824	2.75	77.8	0.74	0.0034
2830	0.0754	2.82	77.0	0.74	0.0031
3100	0.0688	2.92	76.0	0.99	0.0037
3390	0.0629	3.01	75.1	0.99	0.0034
3710	0.0575	3.13	73.8	1.23	0.0039
4060	0.0525	3.25	72.6	1.23	0.0035
4440	0.0480	3.39	71.1	1.48	0.0039
4850	0.0440	3.53	69.6	1.48	0.0036
5310	0.0402	3.69	67.9	1.73	0.0038
5810	0.0367	3.88	65.9	1.98	0.0040
6360	0.0335	4.09	63.7	2.22	0.0040
6950	0.0307	4.31	61.5	2.22	0.0038
7610	0.0280	4.54	59.0	2.47	0.0037
8320	0.0256	4.80	56.3	2.72	0.0038
9100	0.0234	5.08	53.3	2.96	0.0038
9960	0.0214	5.39	50.1	3.21	0.0037
10900	0.0196	5.72	46.7	3.46	0.0037
11900	0.0179	6.05	43.2	3.46	0.0035
13000	0.0164	6.38	39.8	3.46	0.0031
14300	0.0149	6.75	35.8	3.95	0.0030
15600	0.0137	7.06	32.6	3.21	0.0025
17100	0.0125	7.39	29.1	3.46	0.0023
18700	0.0114	7.67	26.2	2.96	0.0019
20400	0.0105	7.93	23.5	2.72	0.0016
22300	0.0096	8.19	20.7	2.72	0.0014
24400	0.0087	8.42	18.3	2.47	0.0012
26700	0.0080	8.66	15.8	2.47	0.0011
29300	0.0073	8.87	13.6	2.22	0.0009
32000	0.0067	9.06	11.6	1.98	0.0007
35000	0.0061	9.25	9.6	1.98	0.0007
38300	0.0056	9.41	7.9	1.73	0.0005
41900	0.0051	9.58	6.2	1.73	0.0005
45800	0.0047	9.72	4.7	1.48	0.0004
50100	0.0043	9.86	3.2	1.48	0.0003
54800	0.0039	10.02	1.5	1.73	0.0004
59500	0.0036	10.16	0.0	1.48	0.0003

Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution

