

7-32-38w
15-189-22261

**Mercury Injection Capillary Pressure
Youngren H-2H Well
Hugoton Gas Field**

prepared for

**Anadarko Petroleum Corp.
The Woodlands, Texas**

May, 2002

524409



11767 Katy Freeway, Suite 320
Houston, Texas 77079
Tel: 281/558-3996 Fax: 281/558-3998

May 18, 2002

Mr. Chris Sembritzky
Anadarko Petroleum Corp.
1201 Lake Robbins Drive
The Woodlands, Texas 77380

Dear Chris,

PetroTech Associates has completed high pressure mercury injection capillary pressure testing of eighteen (18) conventional core samples from the Anadarko Youngren H – 2H well, Hugoton Gas Field. The samples consisted of plugs (one inch diameter by approximately one inch in length) that represent various formations and both clastic and carbonate lithologies. Presented in this report, in tabular and graphical format, are the results of the mercury injection testing. The data are also provided on computer disk (Excel format).

During capillary pressure testing, the volume of mercury injected was monitored at 118 pressure points from 1.64 to 59,500 psia. These data were then corrected for closure (i.e., mercury conformance to the sample surface). A table of the data and separate plots of cumulative bulk volume and wetting phase saturation versus capillary pressure, as well as the incremental pore aperture size distribution, are included for each sample. A composite plot of the drainage data and a series of "thumbnail" pore aperture size distribution plots are provided as an aid when comparing samples.

Table 1 contains the porosity and permeability values from core analysis, as well as those derived from the mercury injection data. Core analysis porosity ranges from 5.7% to 21.4% and averages 13.3%. The permeability values extend from 0.01 md to 39.5 md, but have a geometric mean of 0.492 md. Comparing the data sets on a per sample basis shows that the mercury-derived and core analysis values are similar for some of the samples; whereas for others they are significantly different (particularly the Herrington and Krider samples). This would indicate that there are heterogeneities in the rock fabric/pore structure on the scale of the core plugs. For a portion of the samples, a helium porosity was determined on the same plugs used for mercury injection testing and there is excellent agreement between these values.

The capillary pressure data shows that the rock types analyzed have mostly unimodal pore structures with well-defined intrusion profiles (see composite plots). There are a few samples with either poorly defined intrusion or bi- to trimodal pore systems. The location of the initial intrusion peaks varies from around 0.06 microns (diameter) to 8 microns. Median (50% saturation) aperture sizes range from 0.065 to 7.8

microns (diameter). Two of the samples have capillary entry pressures that place them in the category of Type B seals (Sneider Classification).

PetroTech has assigned project code PA – 820 to this study. We appreciate the opportunity to provide these services. Please contact us with any comments or questions regarding the data or analytical procedures.

Sincerely,



George Bolger

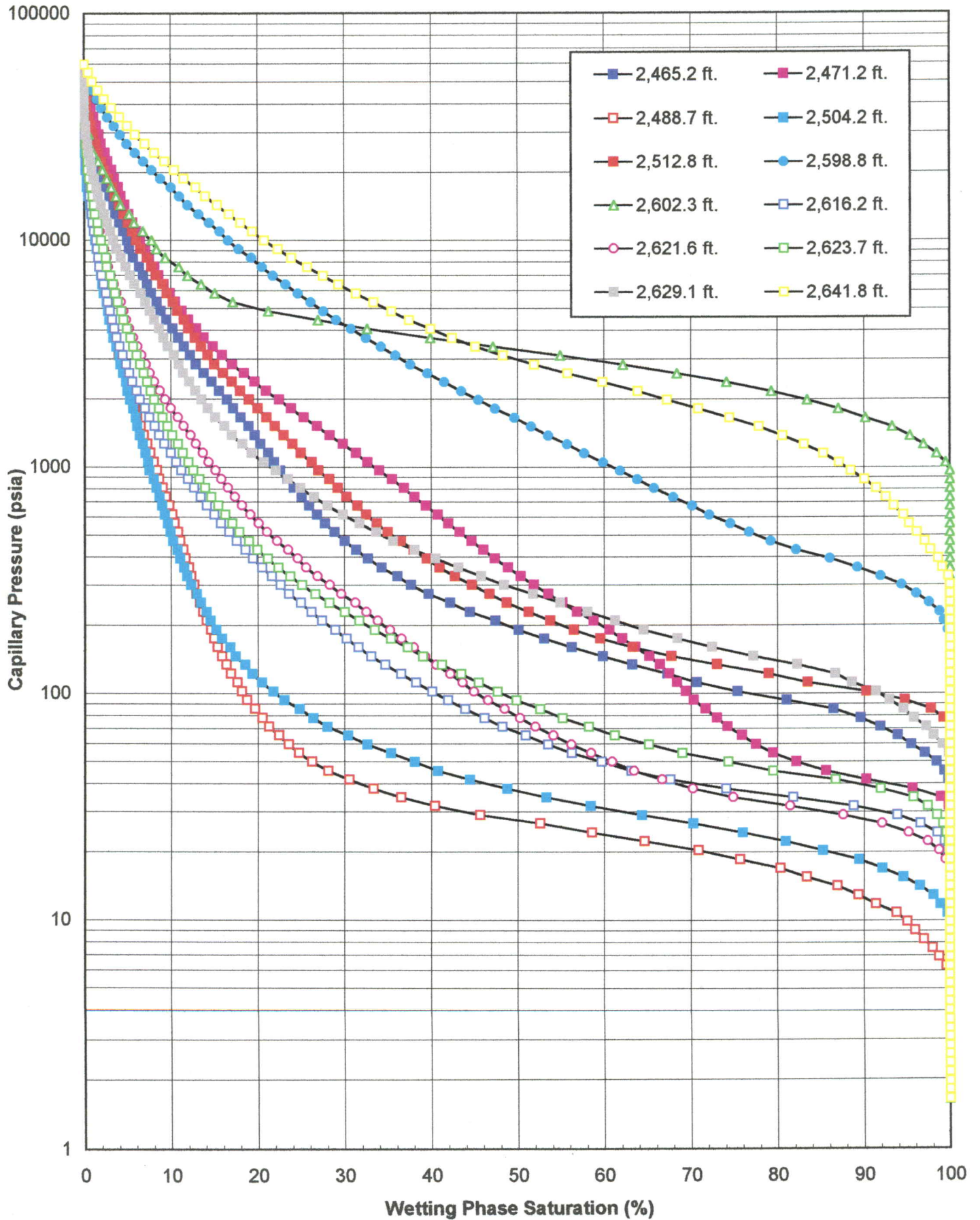
TABLE 1
Pore System Properties : Youngren H-2H Well

Formation	Sample Depth (ft)	Core Analysis			Mercury Derived		Median Aperture	Pore Distribution
		Porosity (%)	Perm (air) (md)	Porosity** (%)	Porosity (%)	Perm (air) (md)		
Herrington TF	2465.20	12.0	0.781	-	10.8	1.11	1.12	Unimodal
Herrington TF	2471.40	12.2	0.421	-	15.4	3.63	0.635	Trimodal weak
Krider Shoal	2488.70	21.4	39.5	-	18.2	79.9	7.78	Unimodal
Krider Shoal	2504.20	12.3	2.68	-	15.0	28.9	5.75	Unimodal
Krider TF	2512.80	14.0	1.14	-	10.1	0.908	0.889	Unimodal
Gage Coastal Plain	2598.80	11.0	0.086	-	10.0	0.058	0.131	poorly defined
Towanda Coastal Plain	2602.30	5.7	0.01	5.2	4.9	0.0026	0.065	Unimodal
Towanda Ooid Shoal	2616.20	18.3	9.99	-	18.0	18.5	3.18	Unimodal sharp
Towanda Shoal	2621.60	15.0	6.96	-	14.4	12.2	2.70	Unimodal
Towanda Shoal	2623.70	16.8	5.67	16.6	16.6	9.05	2.29	Unimodal
Towanda Seaward Shoal	2629.10	14.1	0.60	13.7	13.6	0.876	0.743	Unimodal broad
Towanda Lagoon	2641.80	10.9	0.029	11.1	10.7	0.0104	0.072	Unimodal broad
Holmesville Coastal Plain	2645.50	13.5	0.127	13.4	13.3	0.132	0.222	Unimodal
Holmesville Coastal Plain	2648.10	11.8	0.019	13.1	12.7	0.127	0.066	Unimodal
Holmesville Coastal Plain	2652.80	13.2	0.571	13.6	13.6	0.0723	0.384	Bimodal
Upper Fort Riley Shoal	2663.00	14.3	0.908	14.4	14.8	2.66	1.25	Unimodal broad
Fort Riley Shoal	2674.20	12.5	0.299	12.6	12.5	0.502	0.607	Unimodal sharp
Fort Riley Open Shelf	2687.00	9.8	0.033	9.5	9.5	0.021	0.121	Unimodal

Porosity** - helium porosity on mercury injection samples

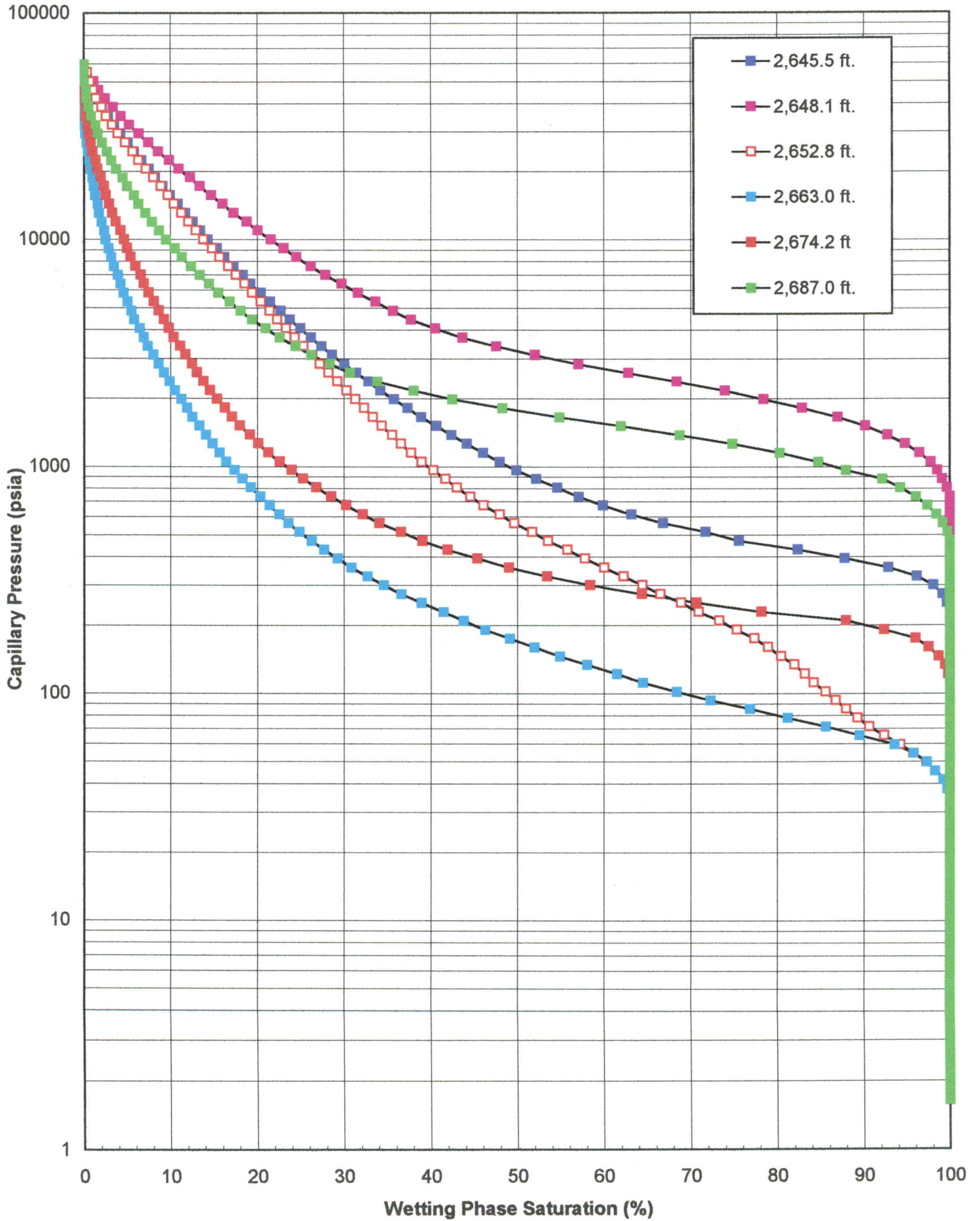
Youngren H-2H

Mercury Injection Capillary Pressure (Pore Volume)

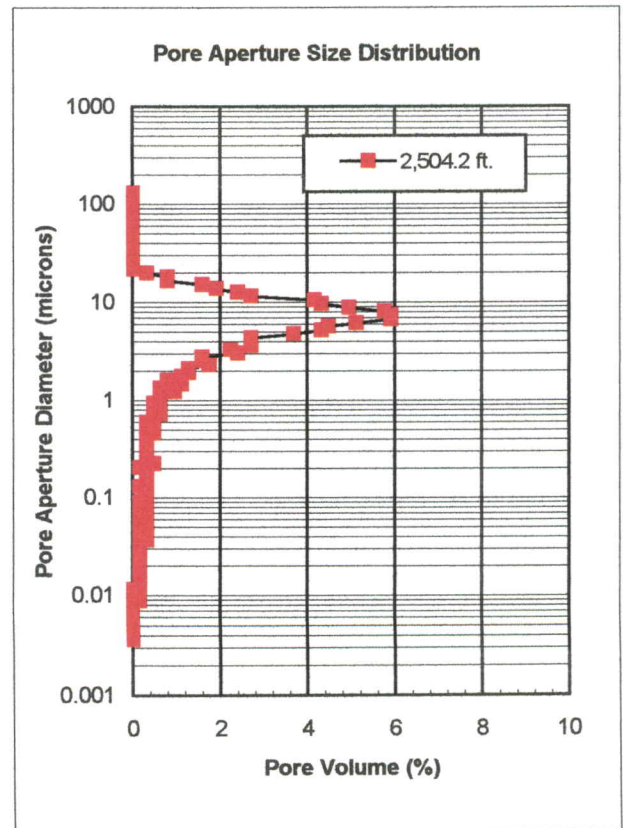
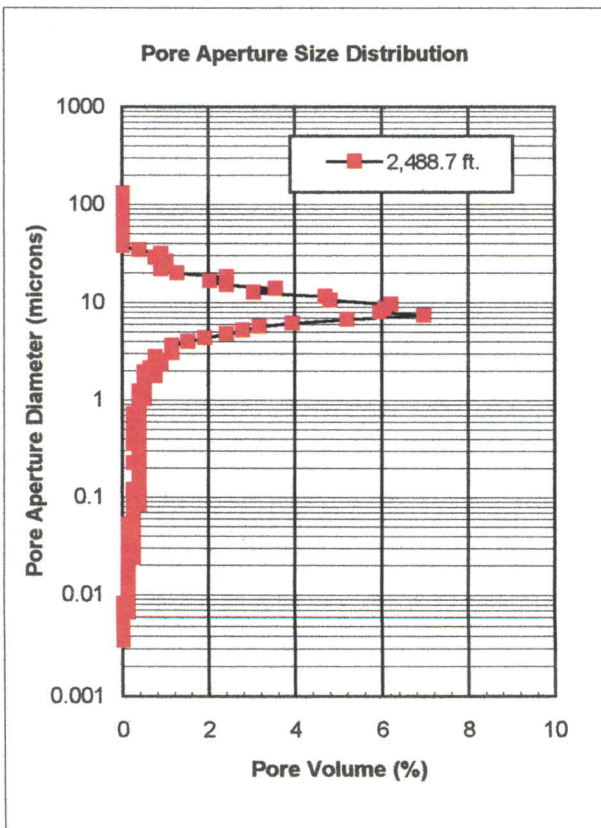
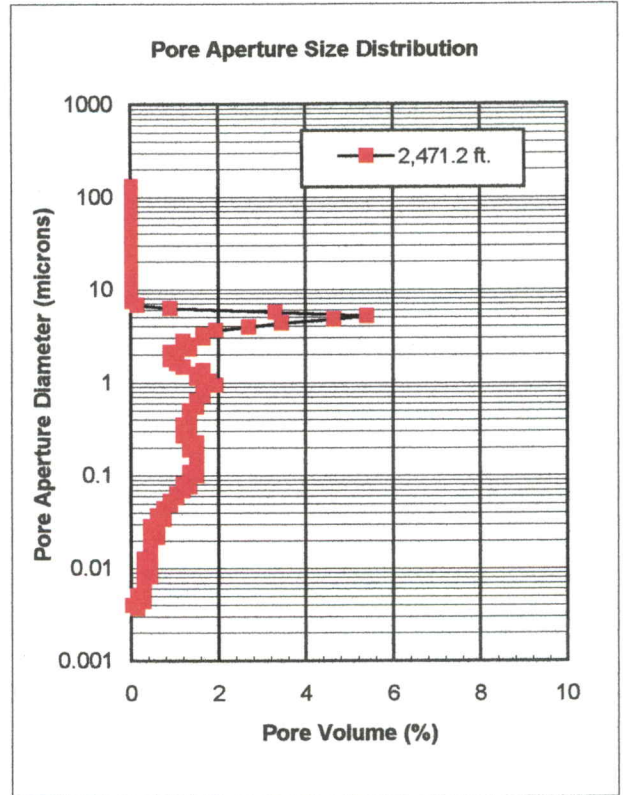
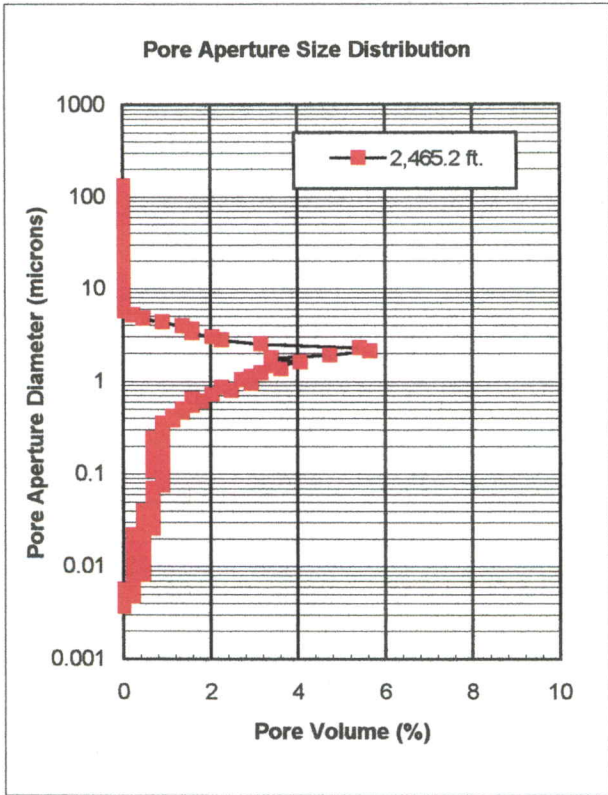


Youngren H-2H

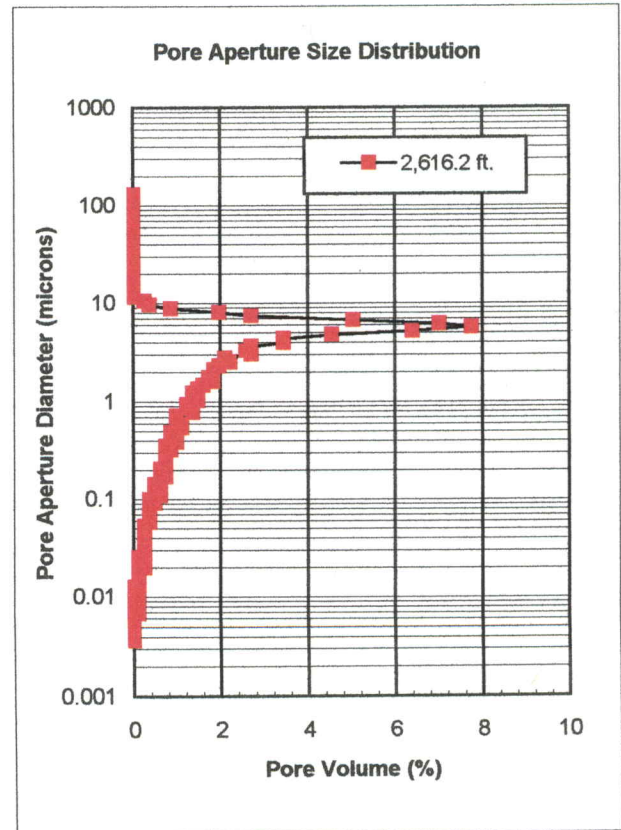
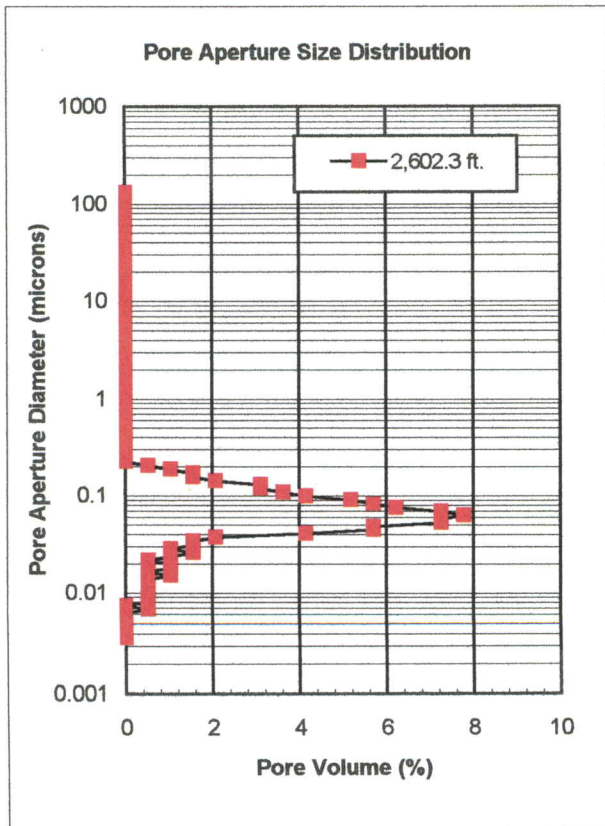
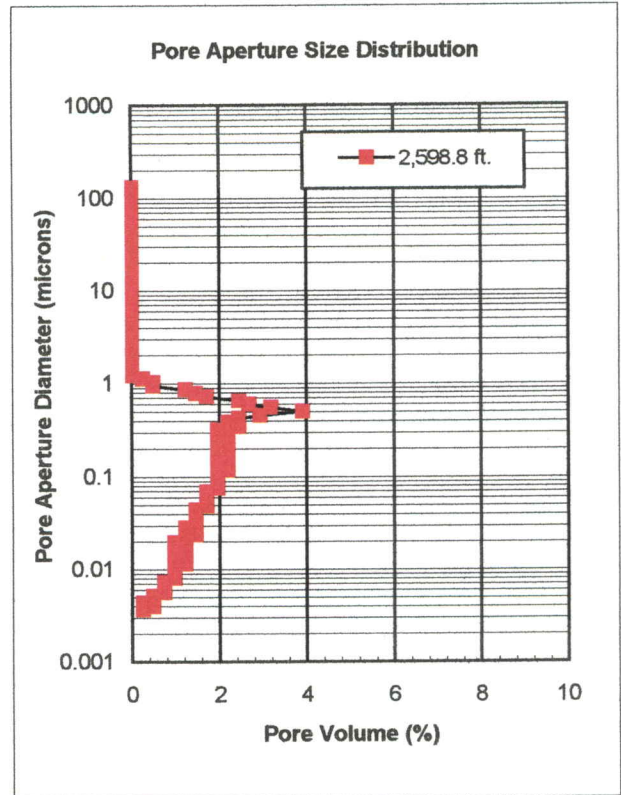
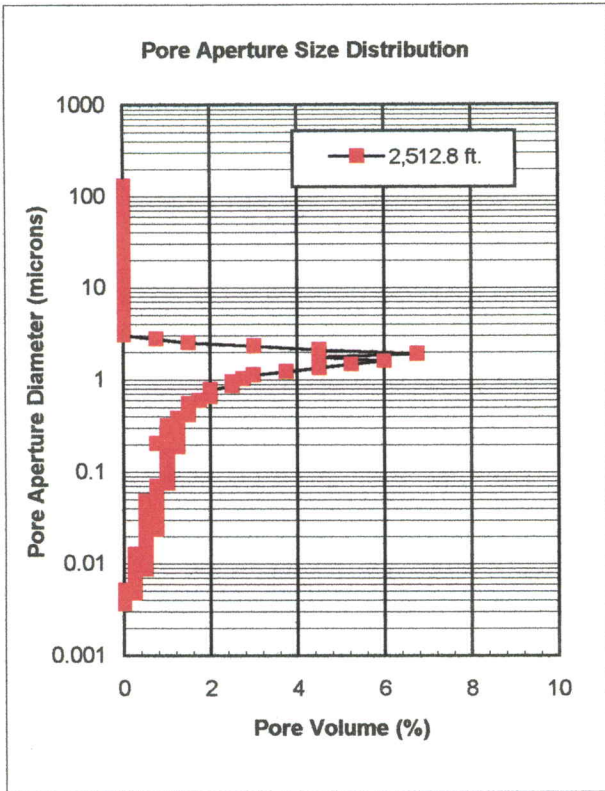
Mercury Injection Capillary Pressure (Pore Volume)



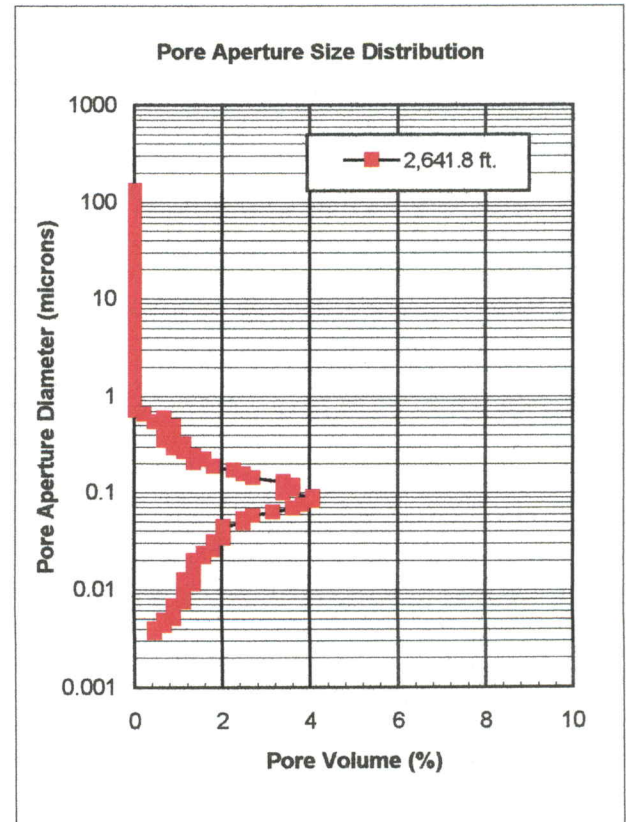
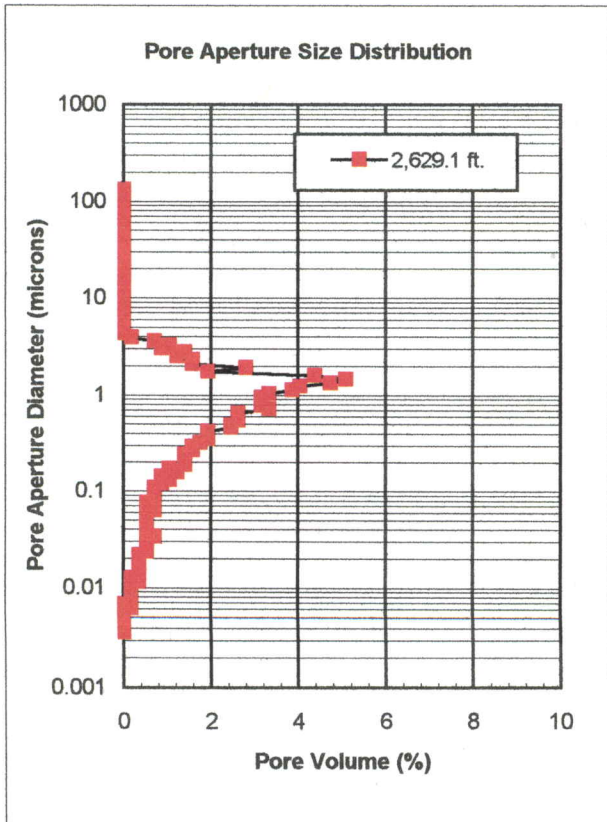
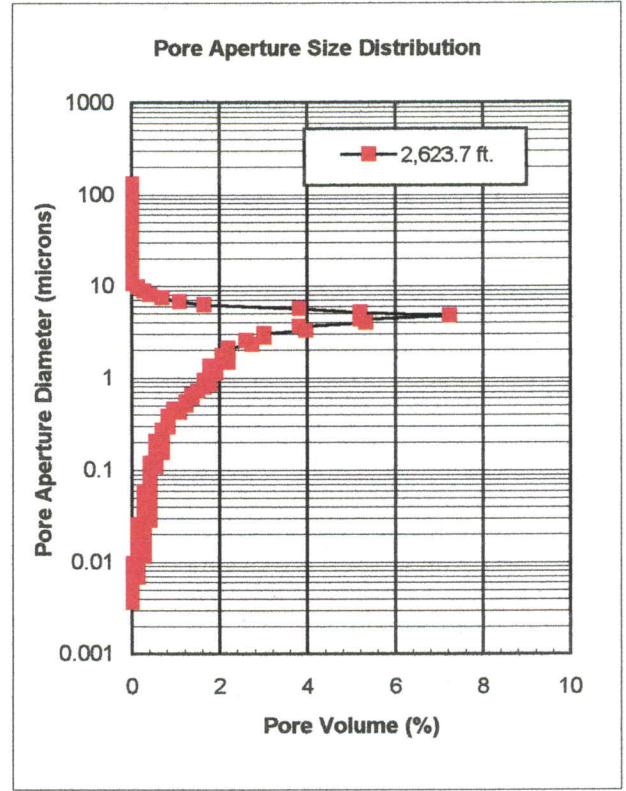
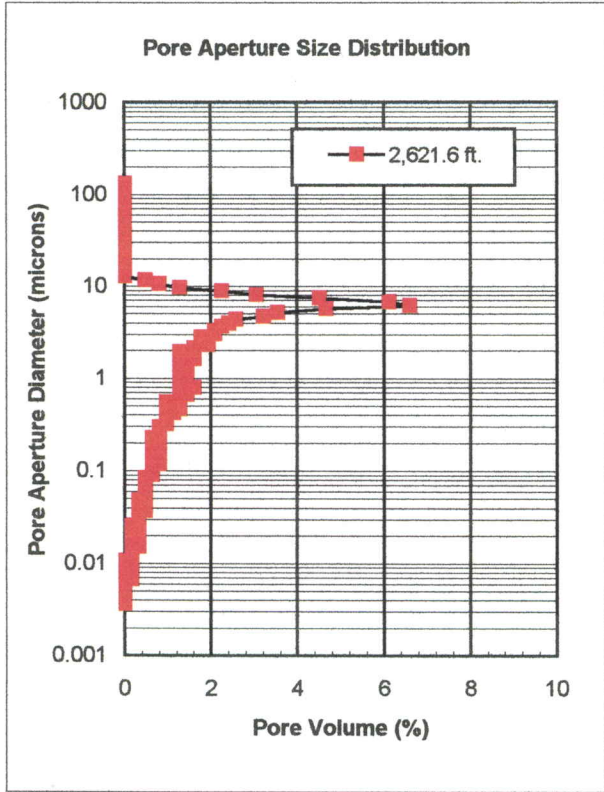
Youngren H-2H



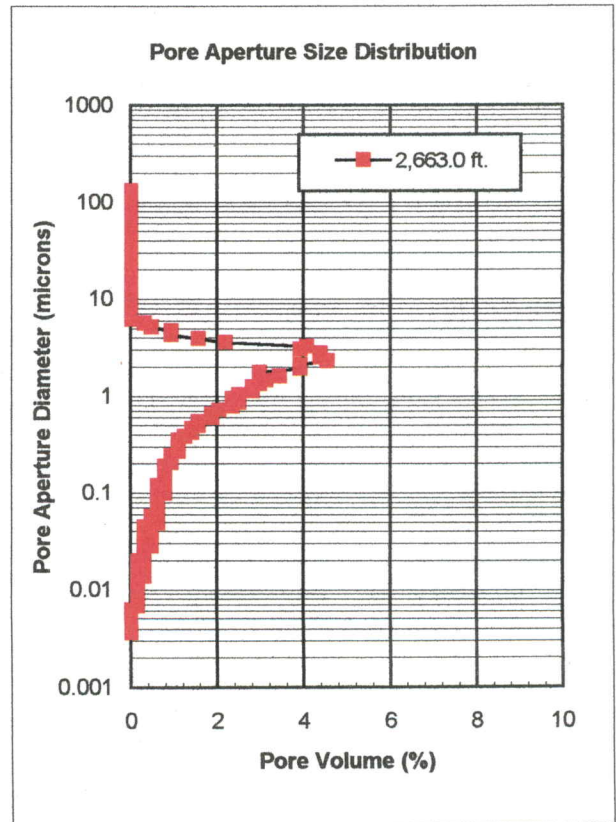
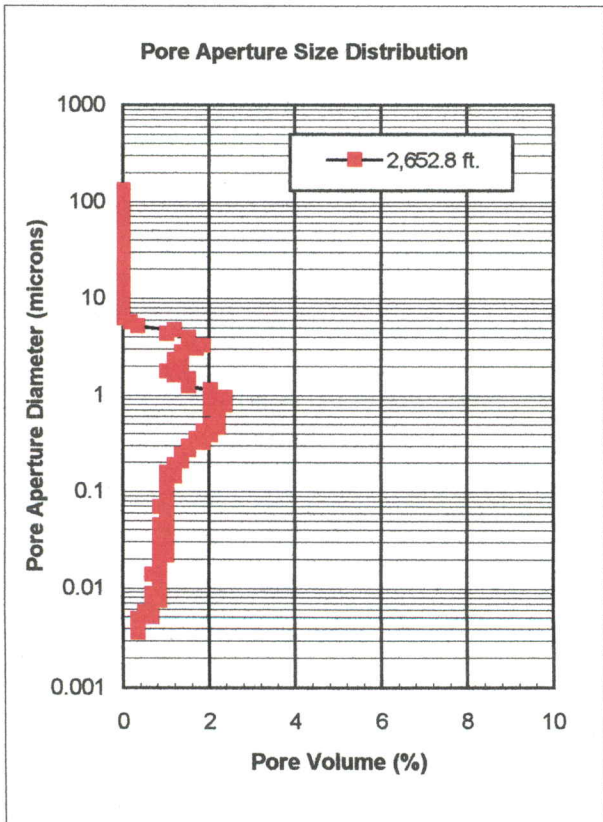
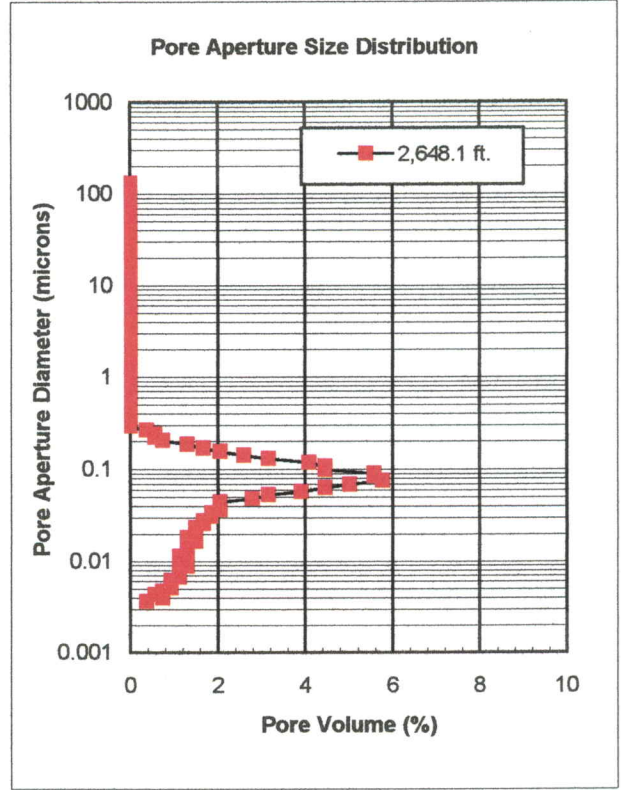
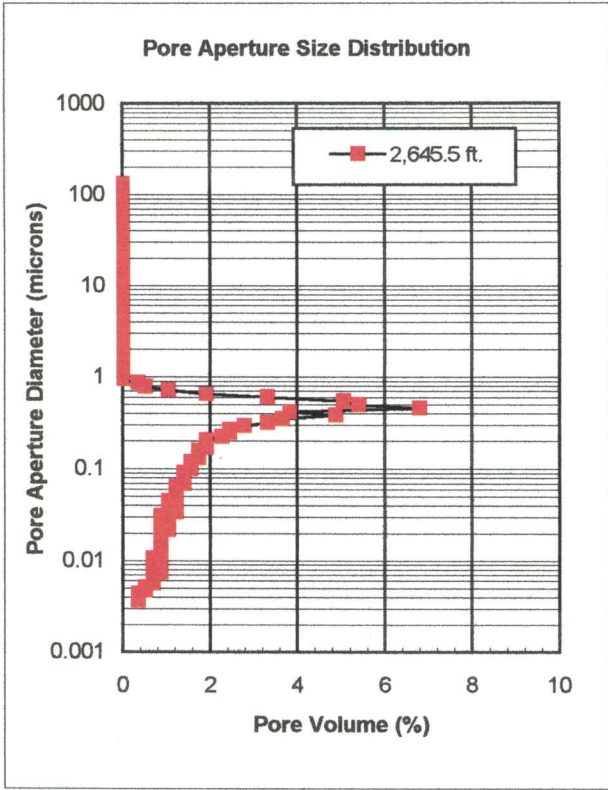
Youngren H-2H



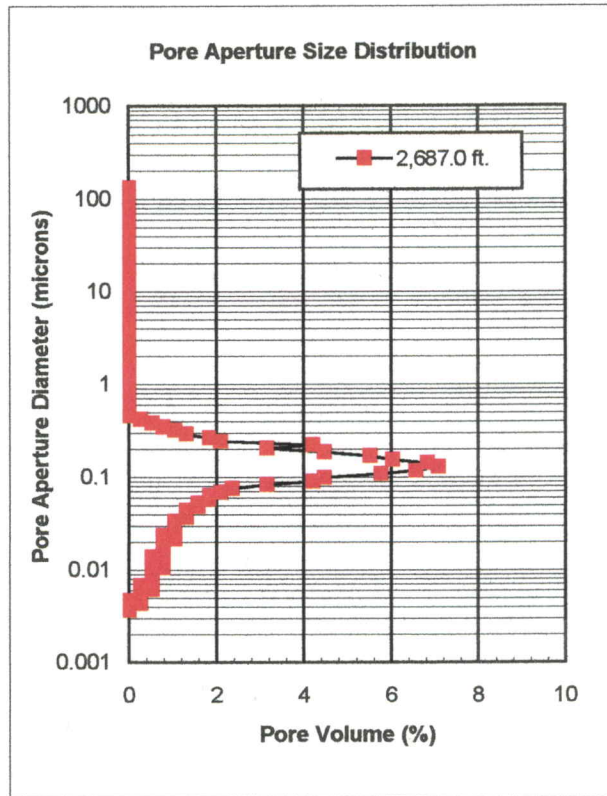
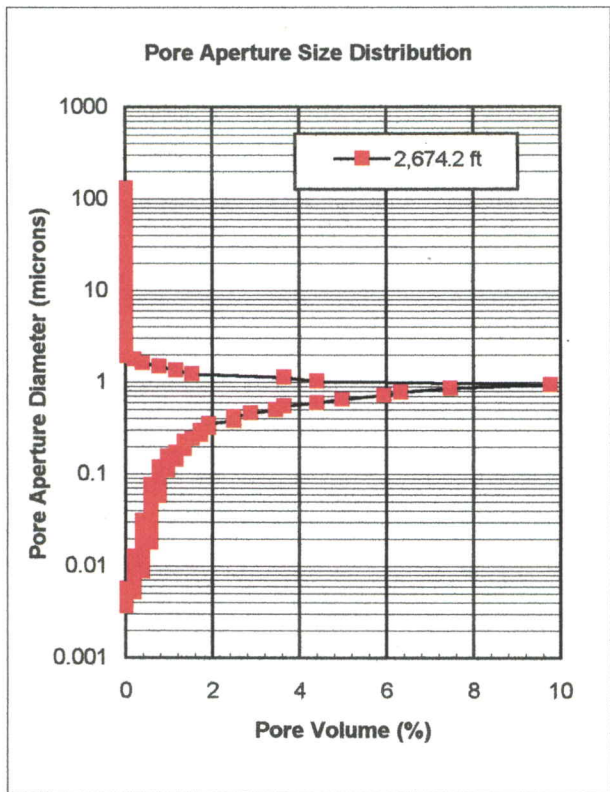
Youngren H-2H



Youngren H-2H



Youngren H-2H



Mercury Injection Capillary Pressure

Youngren H-2H : 2,465.2 feet

File 002-509

Sample Information	
Bulk Volume = 11.4987 cc	Porosity = 10.8% (mercury)
Pore Volume = 1.2440 cc	Permeability = 1.109 md (mercury)
Closure = 0.15%BV @ 38.0 psia	Median Pore Aperture = 1.116 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	0.02	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	0.05	100.0	0.00	0.0000
3.08	69.3	0.05	100.0	0.00	0.0000
3.37	63.3	0.05	100.0	0.00	0.0000
3.68	58.0	0.05	100.0	0.00	0.0000
4.03	52.9	0.05	100.0	0.00	0.0000
4.41	48.4	0.07	100.0	0.00	0.0000
4.82	44.3	0.07	100.0	0.00	0.0000
5.27	40.5	0.07	100.0	0.00	0.0000
5.77	37.0	0.07	100.0	0.00	0.0000
6.31	33.8	0.07	100.0	0.00	0.0000
6.90	30.9	0.10	100.0	0.00	0.0000
7.55	28.3	0.10	100.0	0.00	0.0000
8.26	25.8	0.10	100.0	0.00	0.0000
9.04	23.6	0.10	100.0	0.00	0.0000
9.89	21.6	0.10	100.0	0.00	0.0000
10.8	19.8	0.10	100.0	0.00	0.0000
11.8	18.1	0.10	100.0	0.00	0.0000
12.9	16.5	0.10	100.0	0.00	0.0000
14.2	15.0	0.12	100.0	0.00	0.0000
15.5	13.8	0.12	100.0	0.00	0.0000
16.9	12.6	0.12	100.0	0.00	0.0000
18.5	11.5	0.12	100.0	0.00	0.0000
20.3	10.5	0.12	100.0	0.00	0.0000
22.2	9.61	0.12	100.0	0.00	0.0000
24.3	8.78	0.15	100.0	0.00	0.0000
26.6	8.02	0.15	100.0	0.00	0.0000
29.0	7.36	0.15	100.0	0.00	0.0000
31.8	6.71	0.15	100.0	0.00	0.0000
34.8	6.13	0.15	100.0	0.00	0.0000
38.0	5.61	0.15	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,465.2 feet
File 002-509

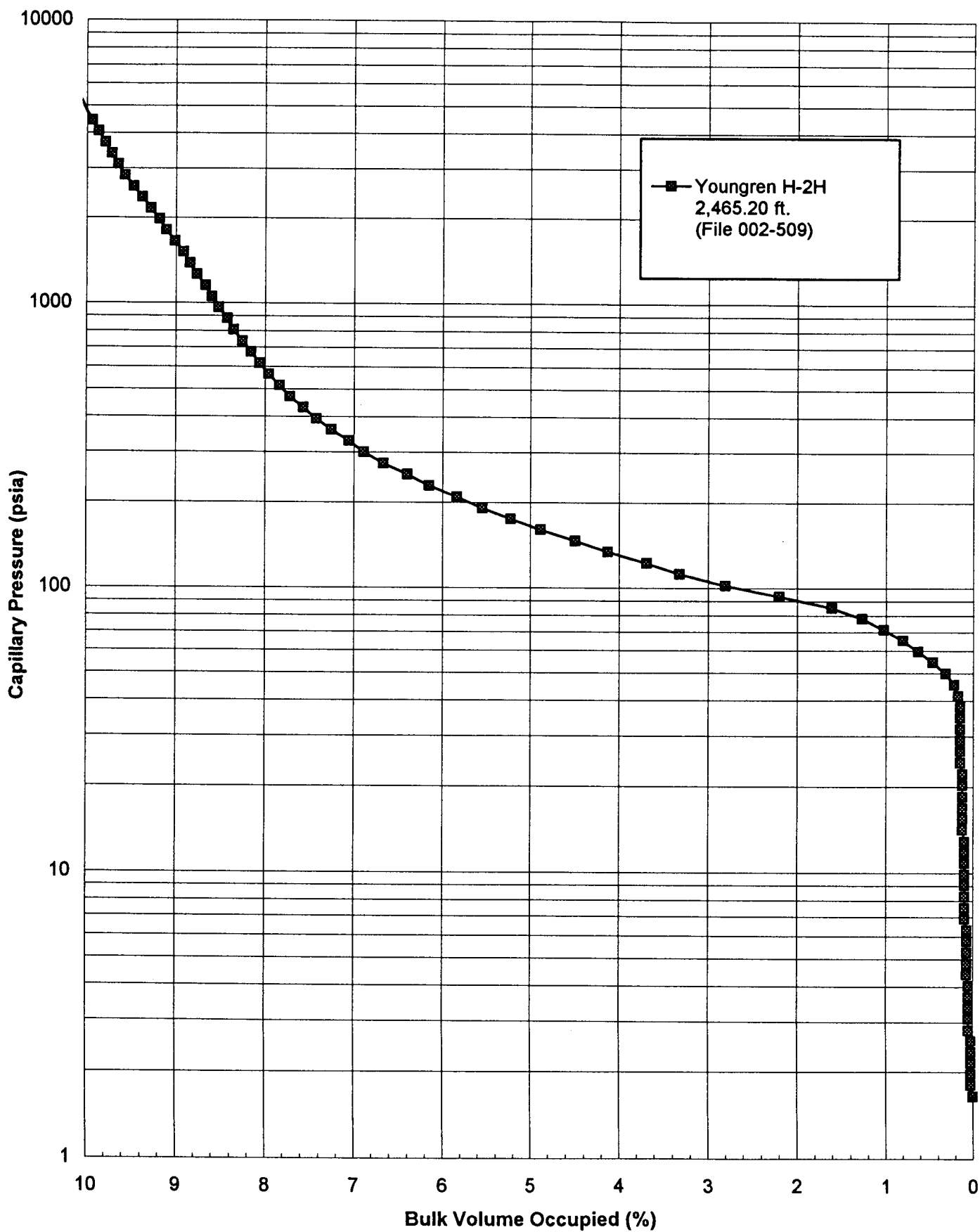
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.17	99.8	0.23	0.0627
45.5	4.69	0.22	99.3	0.45	0.1158
49.8	4.28	0.32	98.4	0.90	0.2100
54.5	3.91	0.46	97.1	1.35	0.2882
59.6	3.58	0.63	95.5	1.58	0.3098
65.2	3.27	0.81	93.9	1.58	0.2822
71.3	2.99	1.03	91.9	2.03	0.3330
78.0	2.73	1.27	89.6	2.26	0.3369
85.3	2.50	1.61	86.5	3.16	0.4329
93.4	2.28	2.20	81.0	5.42	0.6688
102	2.09	2.81	75.4	5.64	0.6562
112	1.90	3.32	70.7	4.74	0.4740
122	1.75	3.69	67.3	3.39	0.3386
134	1.59	4.13	63.2	4.06	0.3386
146	1.46	4.49	59.8	3.39	0.2822
160	1.33	4.88	56.2	3.61	0.2580
175	1.22	5.23	53.0	3.16	0.2107
191	1.12	5.54	50.1	2.93	0.1834
209	1.02	5.84	47.4	2.71	0.1505
229	0.932	6.15	44.5	2.93	0.1467
251	0.850	6.40	42.2	2.26	0.1026
274	0.779	6.67	39.7	2.48	0.1080
300	0.711	6.89	37.7	2.03	0.0781
328	0.650	7.06	36.1	1.58	0.0564
359	0.594	7.25	34.3	1.81	0.0583
393	0.543	7.42	32.7	1.58	0.0465
430	0.496	7.57	31.4	1.35	0.0366
470	0.454	7.72	30.0	1.35	0.0339
514	0.415	7.84	28.9	1.13	0.0257
563	0.379	7.96	27.8	1.13	0.0230
615	0.347	8.06	26.9	0.90	0.0174
673	0.317	8.16	26.0	0.90	0.0156
736	0.290	8.25	25.1	0.90	0.0143
806	0.265	8.35	24.2	0.90	0.0129
881	0.242	8.43	23.5	0.68	0.0090
964	0.221	8.52	22.6	0.90	0.0109
1050	0.203	8.60	21.9	0.68	0.0079
1150	0.186	8.67	21.2	0.68	0.0068
1260	0.169	8.77	20.3	0.90	0.0082
1380	0.155	8.84	19.6	0.68	0.0056
1510	0.141	8.91	19.0	0.68	0.0052
1650	0.129	9.01	18.1	0.90	0.0064

Mercury Injection Capillary Pressure

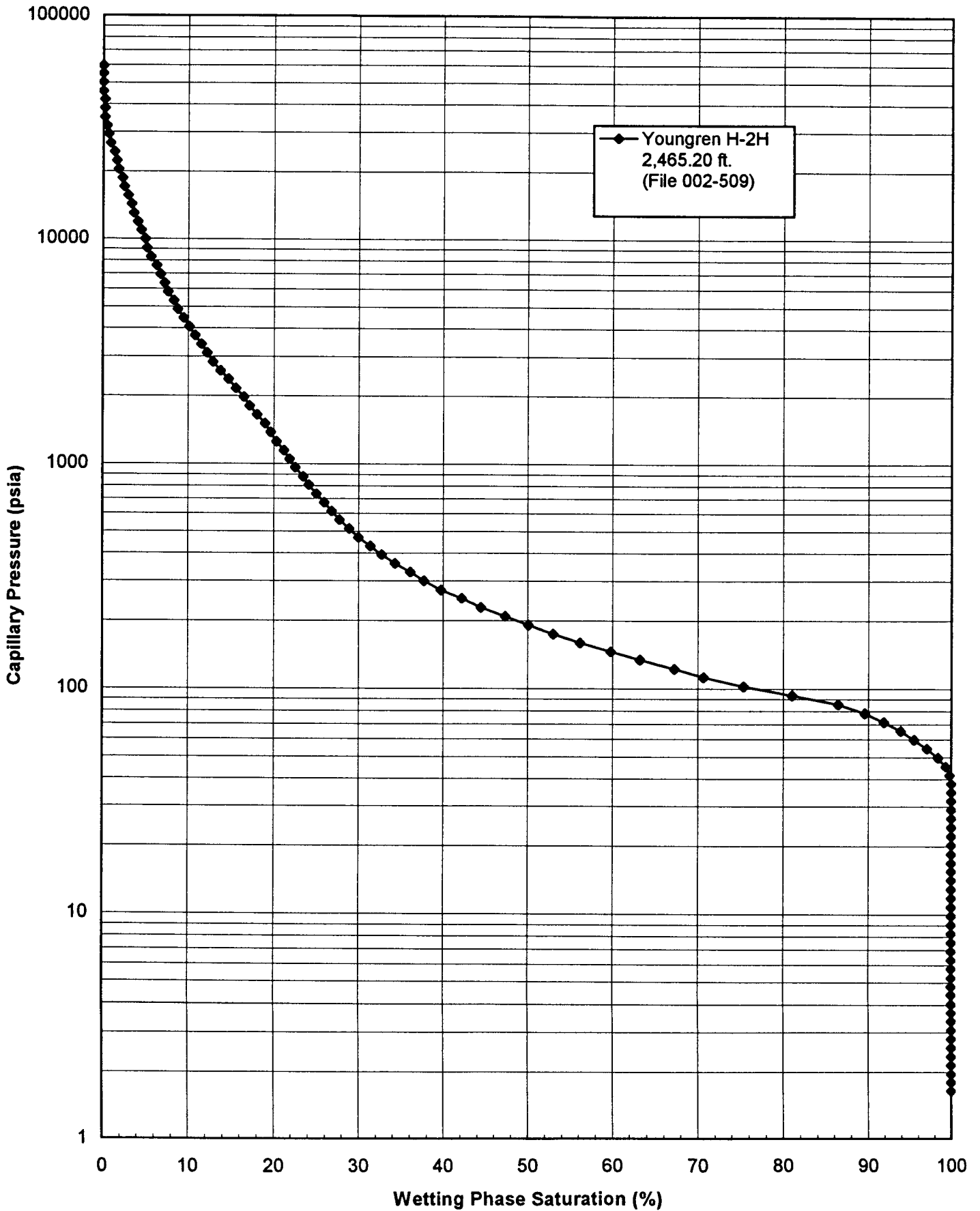
Youngren H-2H : 2,465.2 feet
File 002-509

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	9.11	17.2	0.90	0.0056
1980	0.1077	9.18	16.5	0.68	0.0040
2160	0.0988	9.28	15.6	0.90	0.0050
2370	0.0900	9.38	14.7	0.90	0.0043
2590	0.0824	9.48	13.8	0.90	0.0041
2830	0.0754	9.57	12.9	0.90	0.0038
3100	0.0688	9.65	12.2	0.68	0.0025
3390	0.0629	9.72	11.5	0.68	0.0023
3710	0.0575	9.79	10.8	0.68	0.0021
4060	0.0525	9.87	10.2	0.68	0.0019
4440	0.0480	9.94	9.5	0.68	0.0018
4850	0.0440	10.01	8.8	0.68	0.0017
5310	0.0402	10.06	8.4	0.45	0.0010
5810	0.0367	10.13	7.7	0.68	0.0014
6360	0.0335	10.18	7.2	0.45	0.0008
6950	0.0307	10.23	6.8	0.45	0.0008
7610	0.0280	10.28	6.3	0.45	0.0007
8320	0.0256	10.35	5.6	0.68	0.0010
9100	0.0234	10.40	5.2	0.45	0.0006
9960	0.0214	10.43	5.0	0.23	0.0003
10900	0.0196	10.48	4.5	0.45	0.0005
11900	0.0179	10.53	4.1	0.45	0.0005
13000	0.0164	10.57	3.6	0.45	0.0004
14300	0.0149	10.60	3.4	0.23	0.0002
15600	0.0137	10.65	2.9	0.45	0.0003
17100	0.0125	10.70	2.5	0.45	0.0003
18700	0.0114	10.72	2.3	0.23	0.0001
20400	0.0105	10.77	1.8	0.45	0.0003
22300	0.0096	10.79	1.6	0.23	0.0001
24400	0.0087	10.82	1.4	0.23	0.0001
26700	0.0080	10.87	0.9	0.45	0.0002
29300	0.0073	10.89	0.7	0.23	0.0001
32000	0.0067	10.92	0.5	0.23	0.0001
35000	0.0061	10.94	0.2	0.23	0.0001
38300	0.0056	10.94	0.2	0.00	0.0000
41900	0.0051	10.94	0.2	0.00	0.0000
45800	0.0047	10.97	0.0	0.23	0.0001
50100	0.0043	10.97	0.0	0.00	0.0000
54800	0.0039	10.97	0.0	0.00	0.0000
59500	0.0036	10.97	0.0	0.00	0.0000

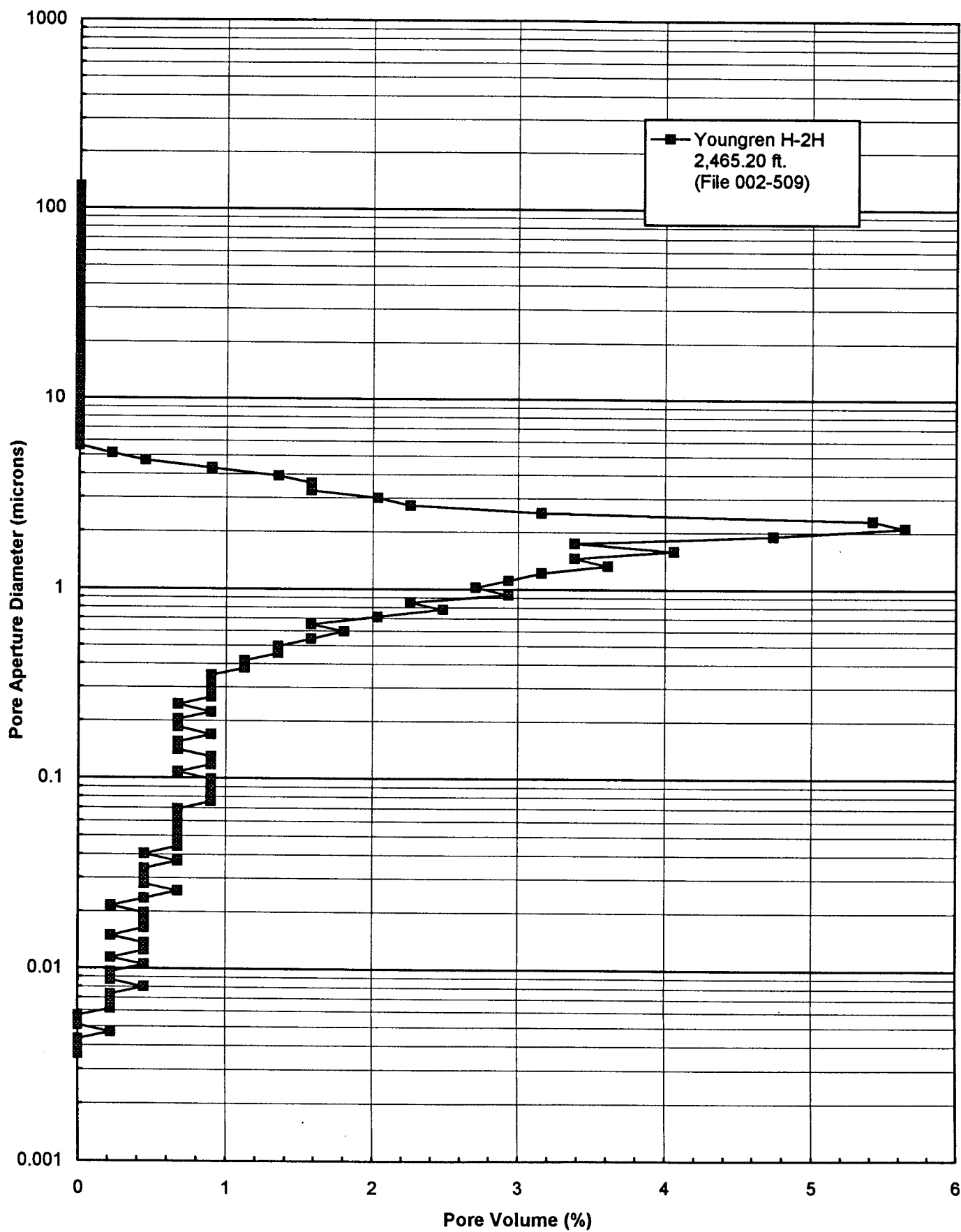
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,471.4 feet

File 002-510

Sample Information	
Bulk Volume = 11.2316 cc	Porosity = 15.4% (mercury)
Pore Volume = 1.7353 cc	Permeability = 3.63 md (mercury)
Closure = 0.21%BV @ 29.0 psia	Median Pore Aperture = 0.6351 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	0.05	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	0.07	100.0	0.00	0.0000
2.81	75.9	0.09	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	0.12	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	0.14	100.0	0.00	0.0000
6.90	30.9	0.14	100.0	0.00	0.0000
7.55	28.3	0.14	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	0.16	100.0	0.00	0.0000
10.8	19.8	0.16	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	0.16	100.0	0.00	0.0000
15.5	13.8	0.16	100.0	0.00	0.0000
16.9	12.6	0.16	100.0	0.00	0.0000
18.5	11.5	0.19	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	0.19	100.0	0.00	0.0000
26.6	8.02	0.19	100.0	0.00	0.0000
29.0	7.36	0.21	100.0	0.00	0.0000
31.8	6.71	0.23	99.9	0.15	0.0535
34.8	6.13	0.37	99.0	0.90	0.2999
38.0	5.61	0.88	95.7	3.30	1.0307

Mercury Injection Capillary Pressure

Youngren H-2H : 2,471.4 feet
File 002-510

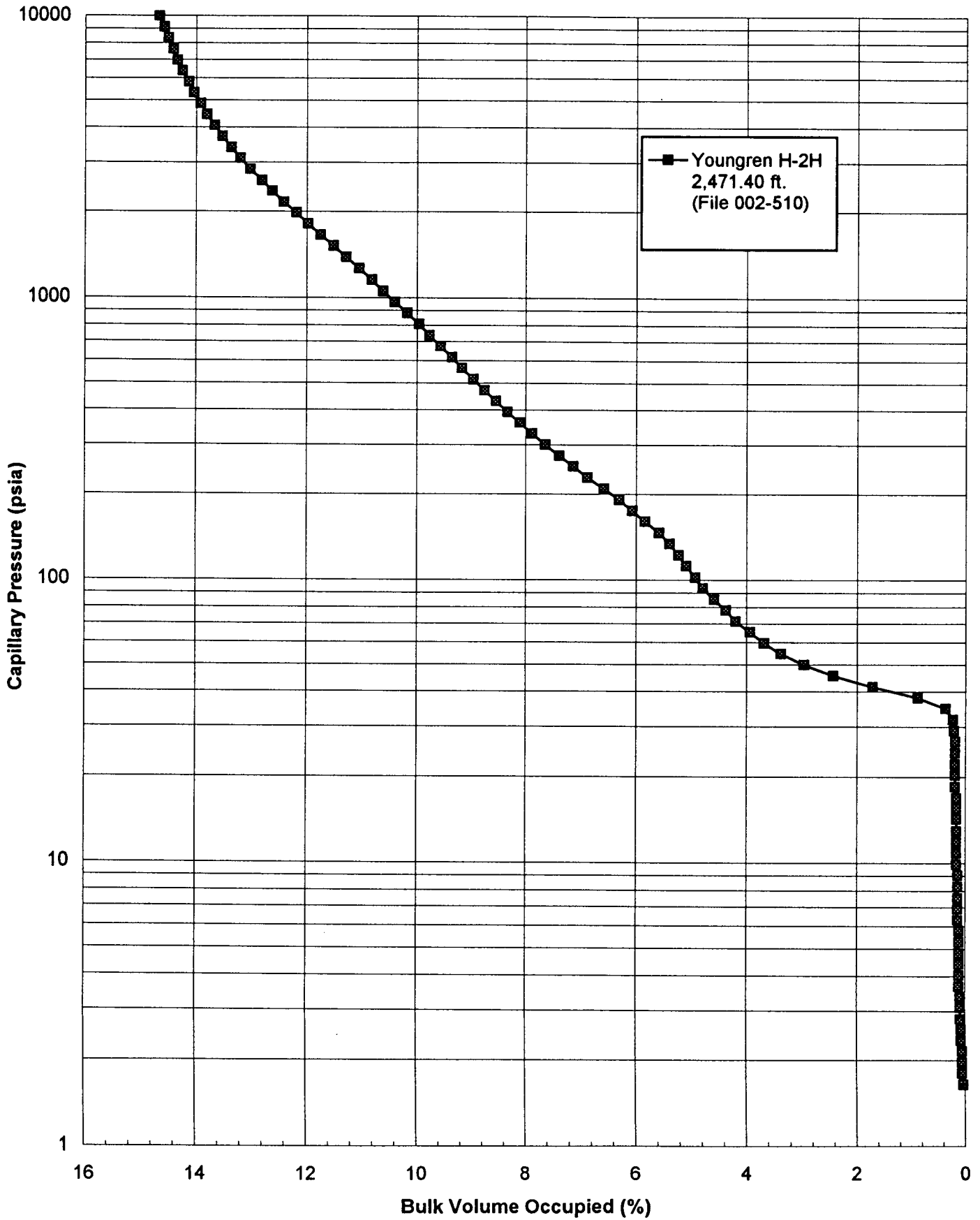
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	1.71	90.3	5.40	1.4993
45.5	4.69	2.43	85.6	4.65	1.1917
49.8	4.28	2.96	82.2	3.45	0.8019
54.5	3.91	3.38	79.5	2.70	0.5742
59.6	3.58	3.68	77.5	1.95	0.3822
65.2	3.27	3.94	75.9	1.65	0.2945
71.3	2.99	4.19	74.2	1.65	0.2704
78.0	2.73	4.38	73.0	1.20	0.1790
85.3	2.50	4.59	71.7	1.35	0.1848
93.4	2.28	4.79	70.3	1.35	0.1666
102	2.09	4.93	69.4	0.90	0.1046
112	1.90	5.10	68.4	1.05	0.1049
122	1.75	5.23	67.5	0.90	0.0900
134	1.59	5.40	66.4	1.05	0.0875
146	1.46	5.58	65.2	1.20	0.1000
160	1.33	5.84	63.6	1.65	0.1178
175	1.22	6.07	62.1	1.50	0.1000
191	1.12	6.30	60.6	1.50	0.0937
209	1.02	6.58	58.8	1.80	0.1000
229	0.932	6.88	56.8	1.95	0.0975
251	0.850	7.13	55.2	1.65	0.0750
274	0.779	7.39	53.5	1.65	0.0717
300	0.711	7.64	51.9	1.65	0.0634
328	0.650	7.88	50.4	1.50	0.0535
359	0.594	8.11	48.9	1.50	0.0484
393	0.543	8.34	47.4	1.50	0.0441
430	0.496	8.55	46.0	1.35	0.0365
470	0.454	8.76	44.7	1.35	0.0337
514	0.415	8.96	43.3	1.35	0.0307
563	0.379	9.17	42.0	1.35	0.0275
615	0.347	9.36	40.8	1.20	0.0231
673	0.317	9.57	39.4	1.35	0.0233
736	0.290	9.77	38.1	1.35	0.0214
806	0.265	9.96	36.9	1.20	0.0171
881	0.242	10.17	35.5	1.35	0.0180
964	0.221	10.40	34.0	1.50	0.0181
1050	0.203	10.61	32.7	1.35	0.0157
1150	0.186	10.82	31.3	1.35	0.0135
1260	0.169	11.05	29.8	1.50	0.0136
1380	0.155	11.28	28.3	1.50	0.0125
1510	0.141	11.51	26.8	1.50	0.0115
1650	0.129	11.74	25.3	1.50	0.0107

Mercury Injection Capillary Pressure

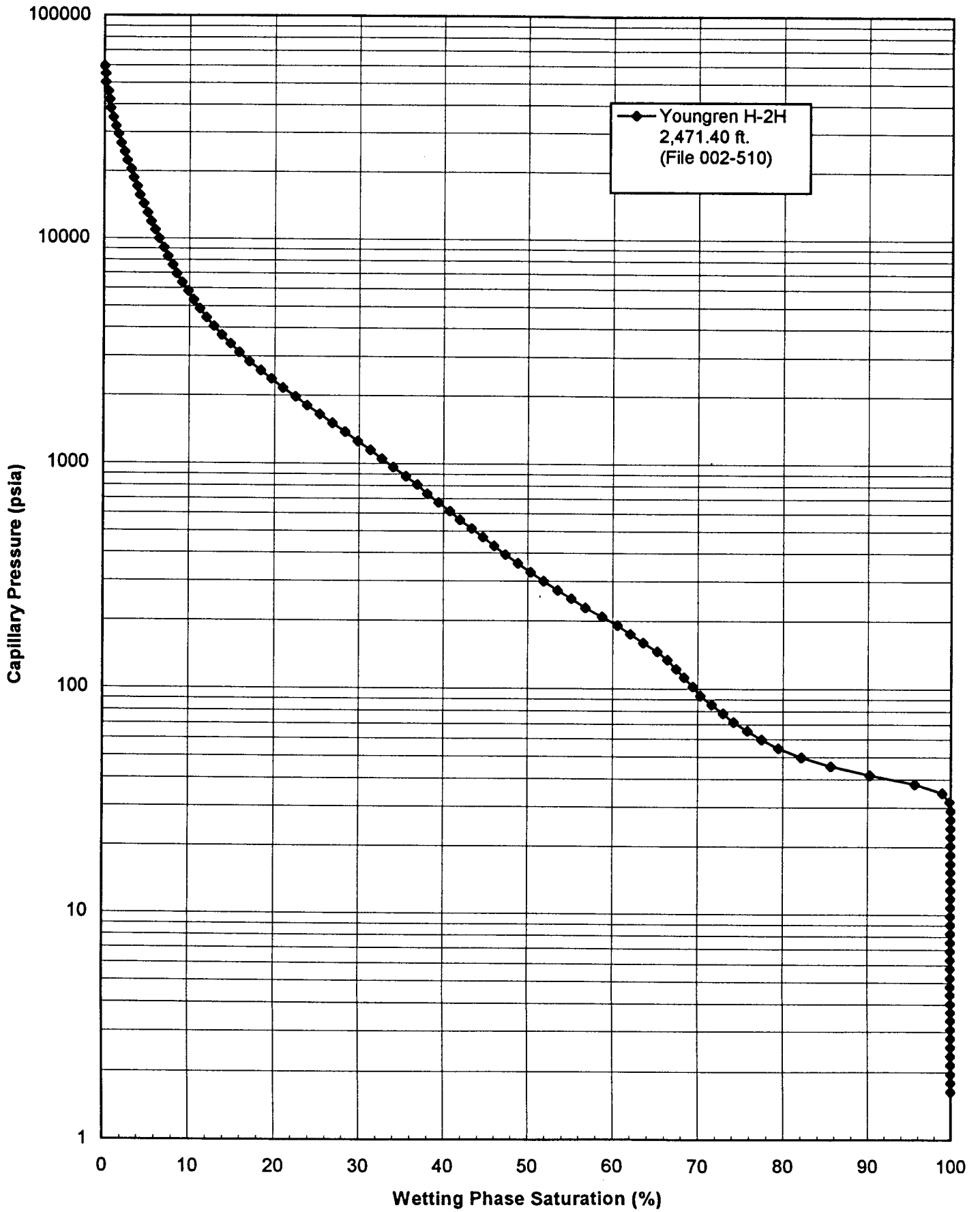
Youngren H-2H : 2,471.4 feet
File 002-510

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	11.98	23.8	1.50	0.0094
1980	0.1077	12.18	22.5	1.35	0.0079
2160	0.0988	12.42	21.0	1.50	0.0083
2370	0.0900	12.62	19.6	1.35	0.0064
2590	0.0824	12.81	18.4	1.20	0.0055
2830	0.0754	13.02	17.1	1.35	0.0056
3100	0.0688	13.20	15.9	1.20	0.0044
3390	0.0629	13.37	14.8	1.05	0.0036
3710	0.0575	13.53	13.8	1.05	0.0033
4060	0.0525	13.67	12.9	0.90	0.0026
4440	0.0480	13.81	12.0	0.90	0.0024
4850	0.0440	13.92	11.2	0.75	0.0018
5310	0.0402	14.04	10.5	0.75	0.0016
5810	0.0367	14.13	9.9	0.60	0.0012
6360	0.0335	14.25	9.1	0.75	0.0014
6950	0.0307	14.34	8.5	0.60	0.0010
7610	0.0280	14.41	8.1	0.45	0.0007
8320	0.0256	14.50	7.5	0.60	0.0008
9100	0.0234	14.57	7.0	0.45	0.0006
9960	0.0214	14.66	6.4	0.60	0.0007
10900	0.0196	14.73	6.0	0.45	0.0005
11900	0.0179	14.80	5.5	0.45	0.0004
13000	0.0164	14.87	5.1	0.45	0.0004
14300	0.0149	14.94	4.6	0.45	0.0003
15600	0.0137	15.01	4.2	0.45	0.0003
17100	0.0125	15.06	3.9	0.30	0.0002
18700	0.0114	15.13	3.4	0.45	0.0003
20400	0.0105	15.17	3.1	0.30	0.0002
22300	0.0096	15.24	2.7	0.45	0.0002
24400	0.0087	15.29	2.4	0.30	0.0001
26700	0.0080	15.36	1.9	0.45	0.0002
29300	0.0073	15.40	1.6	0.30	0.0001
32000	0.0067	15.45	1.3	0.30	0.0001
35000	0.0061	15.50	1.0	0.30	0.0001
38300	0.0056	15.54	0.7	0.30	0.0001
41900	0.0051	15.57	0.6	0.15	0.0000
45800	0.0047	15.59	0.4	0.15	0.0000
50100	0.0043	15.64	0.1	0.30	0.0001
54800	0.0039	15.64	0.1	0.00	0.0000
59500	0.0036	15.66	0.0	0.15	0.0000

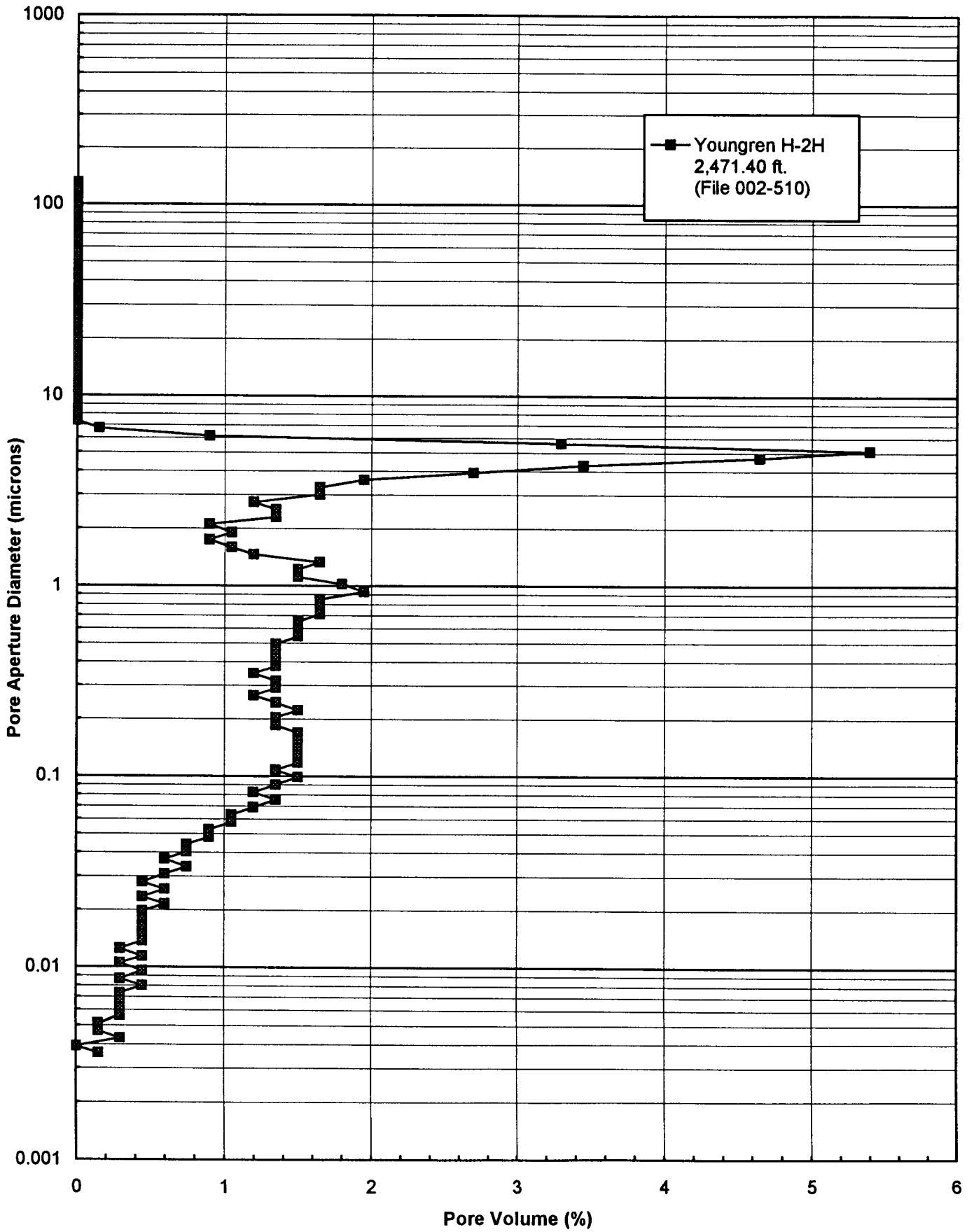
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,488.7 feet

File 002-511

Sample Information	
Bulk Volume = 11.1787 cc	Porosity = 18.2% (mercury)
Pore Volume = 2.0299 cc	Permeability = 79.9 md (mercury)
Closure = 1.33%BV @ 5.77 psia	Median Pore Aperture = 7.775 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	0.09	100.0	0.00	0.0000
1.96	109	0.21	100.0	0.00	0.0000
2.15	99.2	0.30	100.0	0.00	0.0000
2.35	90.8	0.41	100.0	0.00	0.0000
2.57	83.0	0.51	100.0	0.00	0.0000
2.81	75.9	0.60	100.0	0.00	0.0000
3.08	69.3	0.69	100.0	0.00	0.0000
3.37	63.3	0.76	100.0	0.00	0.0000
3.68	58.0	0.83	100.0	0.00	0.0000
4.03	52.9	0.90	100.0	0.00	0.0000
4.41	48.4	1.01	100.0	0.00	0.0000
4.82	44.3	1.08	100.0	0.00	0.0000
5.27	40.5	1.15	100.0	0.00	0.0000
5.77	37.0	1.33	100.0	0.00	0.0000
6.31	33.8	1.40	99.6	0.38	0.7041
6.90	30.9	1.56	98.7	0.89	1.5037
7.55	28.3	1.70	98.0	0.76	1.1699
8.26	25.8	1.89	97.0	1.01	1.4281
9.04	23.6	2.07	95.9	1.01	1.2999
9.89	21.6	2.23	95.1	0.89	1.0438
10.8	19.8	2.46	93.8	1.27	1.3928
11.8	18.1	2.90	91.4	2.41	2.4081
12.9	16.5	3.27	89.4	2.03	1.8435
14.2	15.0	3.71	86.9	2.41	1.8524
15.5	13.8	4.35	83.4	3.55	2.7298
16.9	12.6	4.90	80.4	3.04	2.1727
18.5	11.5	5.75	75.7	4.69	2.9309
20.3	10.5	6.63	70.8	4.82	2.6757
22.2	9.61	7.76	64.6	6.21	3.2686
24.3	8.78	8.86	58.6	6.08	2.8970
26.6	8.02	9.94	52.6	5.96	2.5900
29.0	7.36	11.21	45.6	6.97	2.9045
31.8	6.71	12.15	40.4	5.20	1.8559
34.8	6.13	12.86	36.5	3.93	1.3097
38.0	5.61	13.44	33.3	3.17	0.9902

Mercury Injection Capillary Pressure

Youngren H-2H : 2,488.7 feet
File 002-511

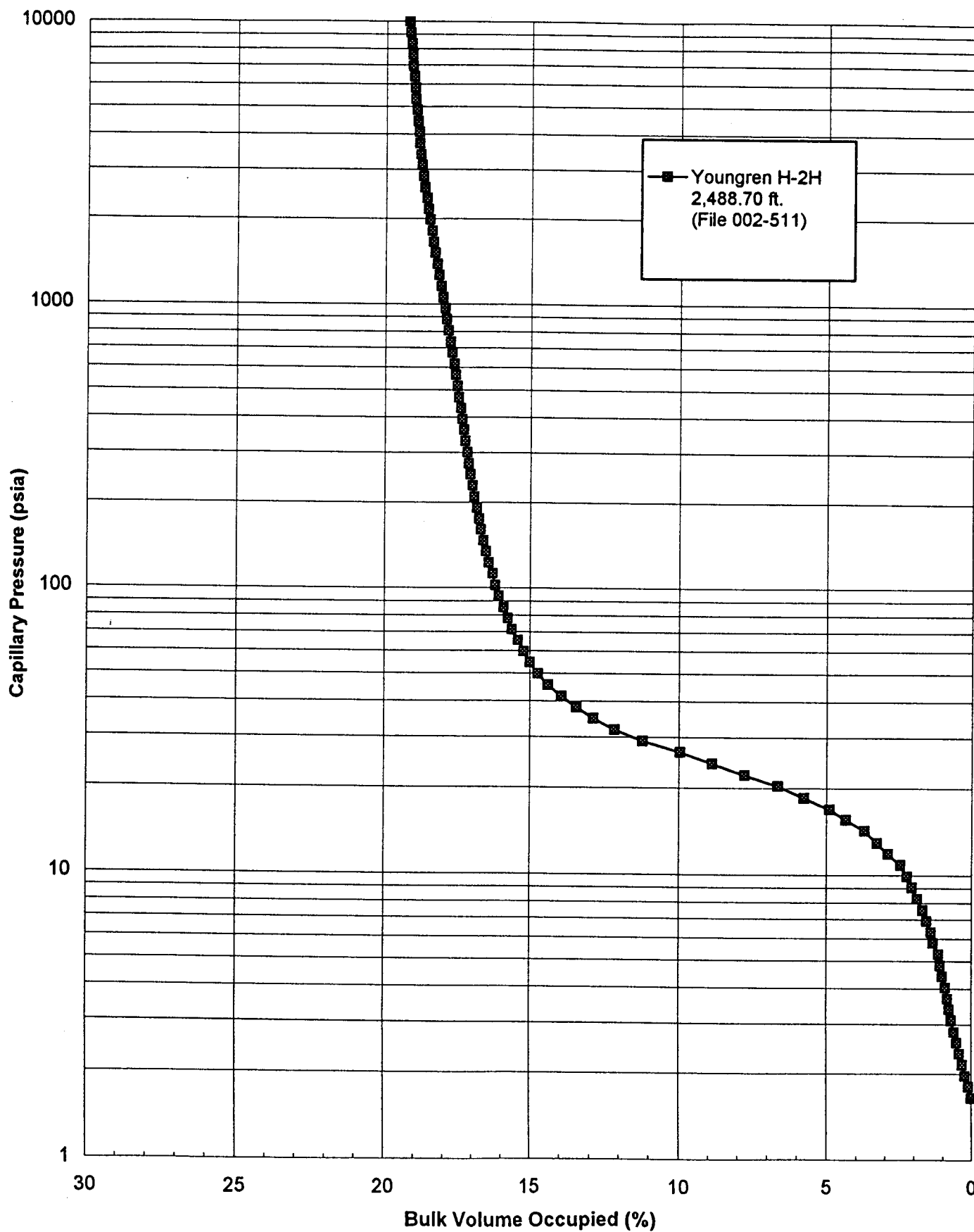
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	13.95	30.5	2.79	0.7745
45.5	4.69	14.38	28.1	2.41	0.6175
49.8	4.28	14.73	26.2	1.90	0.4421
54.5	3.91	15.01	24.7	1.52	0.3236
59.6	3.58	15.21	23.6	1.14	0.2237
65.2	3.27	15.42	22.4	1.14	0.2037
71.3	2.99	15.63	21.3	1.14	0.1870
78.0	2.73	15.76	20.5	0.76	0.1135
85.3	2.50	15.93	19.6	0.89	0.1215
93.4	2.28	16.09	18.8	0.89	0.1095
102	2.09	16.20	18.1	0.63	0.0737
112	1.90	16.29	17.6	0.51	0.0507
122	1.75	16.43	16.9	0.76	0.0760
134	1.59	16.52	16.3	0.51	0.0422
146	1.46	16.62	15.8	0.51	0.0422
160	1.33	16.71	15.3	0.51	0.0362
175	1.22	16.78	15.0	0.38	0.0253
191	1.12	16.85	14.6	0.38	0.0238
209	1.02	16.94	14.1	0.51	0.0282
229	0.932	17.01	13.7	0.38	0.0190
251	0.850	17.08	13.3	0.38	0.0173
274	0.779	17.15	12.9	0.38	0.0165
300	0.711	17.19	12.7	0.25	0.0097
328	0.650	17.26	12.3	0.38	0.0136
359	0.594	17.31	12.0	0.25	0.0082
393	0.543	17.38	11.7	0.38	0.0112
430	0.496	17.42	11.4	0.25	0.0069
470	0.454	17.49	11.0	0.38	0.0095
514	0.415	17.54	10.8	0.25	0.0058
563	0.379	17.61	10.4	0.38	0.0078
615	0.347	17.65	10.1	0.25	0.0049
673	0.317	17.72	9.8	0.38	0.0066
736	0.290	17.79	9.4	0.38	0.0060
806	0.265	17.86	9.0	0.38	0.0054
881	0.242	17.93	8.6	0.38	0.0051
964	0.221	17.97	8.4	0.25	0.0031
1050	0.203	18.04	8.0	0.38	0.0044
1150	0.186	18.11	7.6	0.38	0.0038
1260	0.169	18.18	7.2	0.38	0.0035
1380	0.155	18.25	6.8	0.38	0.0032
1510	0.141	18.32	6.5	0.38	0.0029
1650	0.129	18.39	6.1	0.38	0.0027

Mercury Injection Capillary Pressure

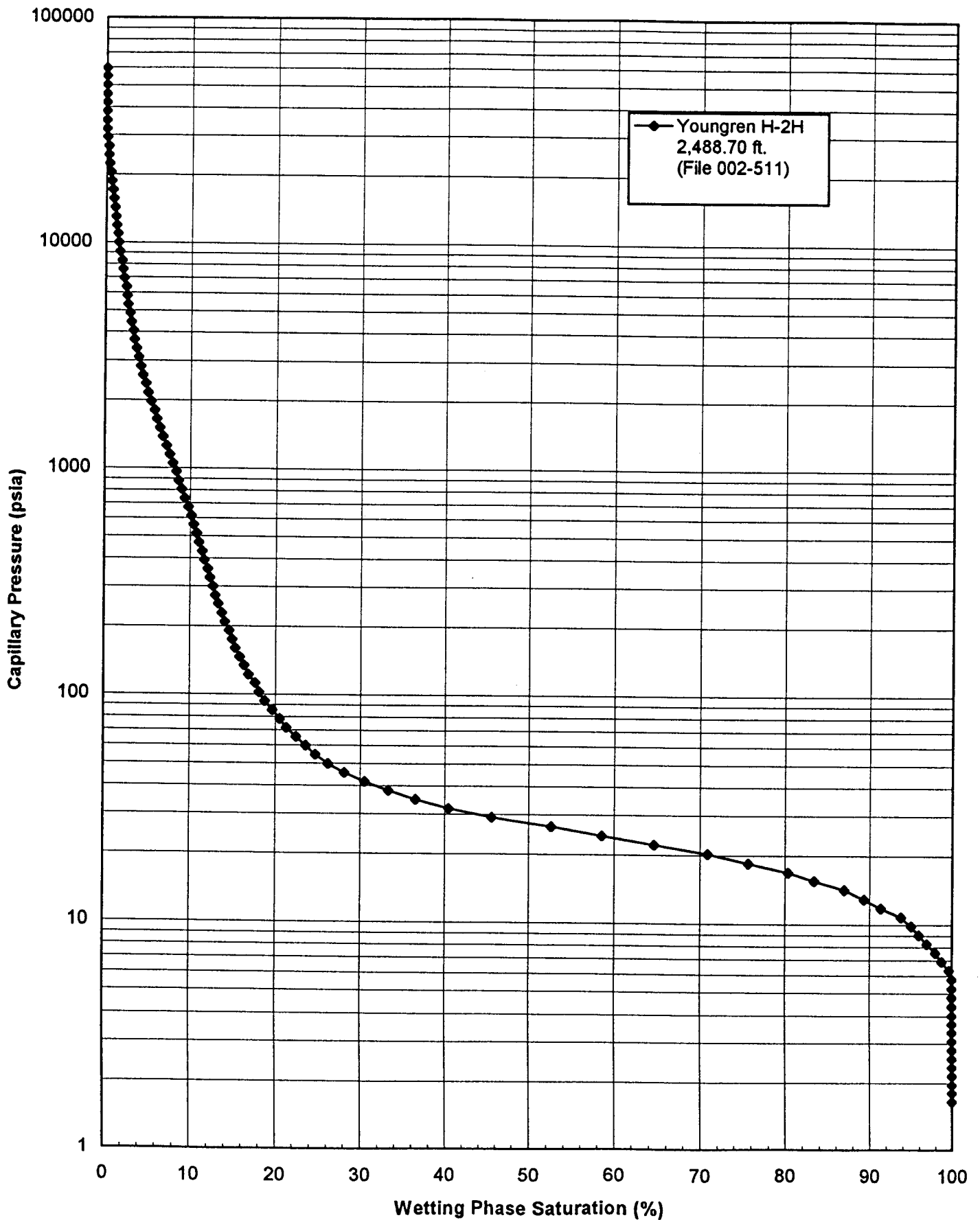
Youngren H-2H : 2,488.7 feet
File 002-511

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	18.43	5.8	0.25	0.0016
1980	0.1077	18.50	5.4	0.38	0.0022
2160	0.0988	18.57	5.1	0.38	0.0021
2370	0.0900	18.62	4.8	0.25	0.0012
2590	0.0824	18.69	4.4	0.38	0.0017
2830	0.0754	18.73	4.2	0.25	0.0011
3100	0.0688	18.78	3.9	0.25	0.0009
3390	0.0629	18.83	3.7	0.25	0.0009
3710	0.0575	18.87	3.4	0.25	0.0008
4060	0.0525	18.89	3.3	0.13	0.0004
4440	0.0480	18.94	3.0	0.25	0.0007
4850	0.0440	18.96	2.9	0.13	0.0003
5310	0.0402	19.01	2.7	0.25	0.0006
5810	0.0367	19.03	2.5	0.13	0.0003
6360	0.0335	19.06	2.4	0.13	0.0002
6950	0.0307	19.10	2.2	0.25	0.0004
7610	0.0280	19.12	2.0	0.13	0.0002
8320	0.0256	19.15	1.9	0.13	0.0002
9100	0.0234	19.19	1.6	0.25	0.0003
9960	0.0214	19.22	1.5	0.13	0.0001
10900	0.0196	19.24	1.4	0.13	0.0001
11900	0.0179	19.26	1.3	0.13	0.0001
13000	0.0164	19.29	1.1	0.13	0.0001
14300	0.0149	19.31	1.0	0.13	0.0001
15600	0.0137	19.33	0.9	0.13	0.0001
17100	0.0125	19.36	0.8	0.13	0.0001
18700	0.0114	19.38	0.6	0.13	0.0001
20400	0.0105	19.40	0.5	0.13	0.0001
22300	0.0096	19.42	0.4	0.13	0.0001
24400	0.0087	19.45	0.3	0.13	0.0001
26700	0.0080	19.45	0.3	0.00	0.0000
29300	0.0073	19.47	0.1	0.13	0.0000
32000	0.0067	19.49	0.0	0.13	0.0000
35000	0.0061	19.49	0.0	0.00	0.0000
38300	0.0056	19.49	0.0	0.00	0.0000
41900	0.0051	19.49	0.0	0.00	0.0000
45800	0.0047	19.49	0.0	0.00	0.0000
50100	0.0043	19.49	0.0	0.00	0.0000
54800	0.0039	19.49	0.0	0.00	0.0000
59500	0.0036	19.49	0.0	0.00	0.0000

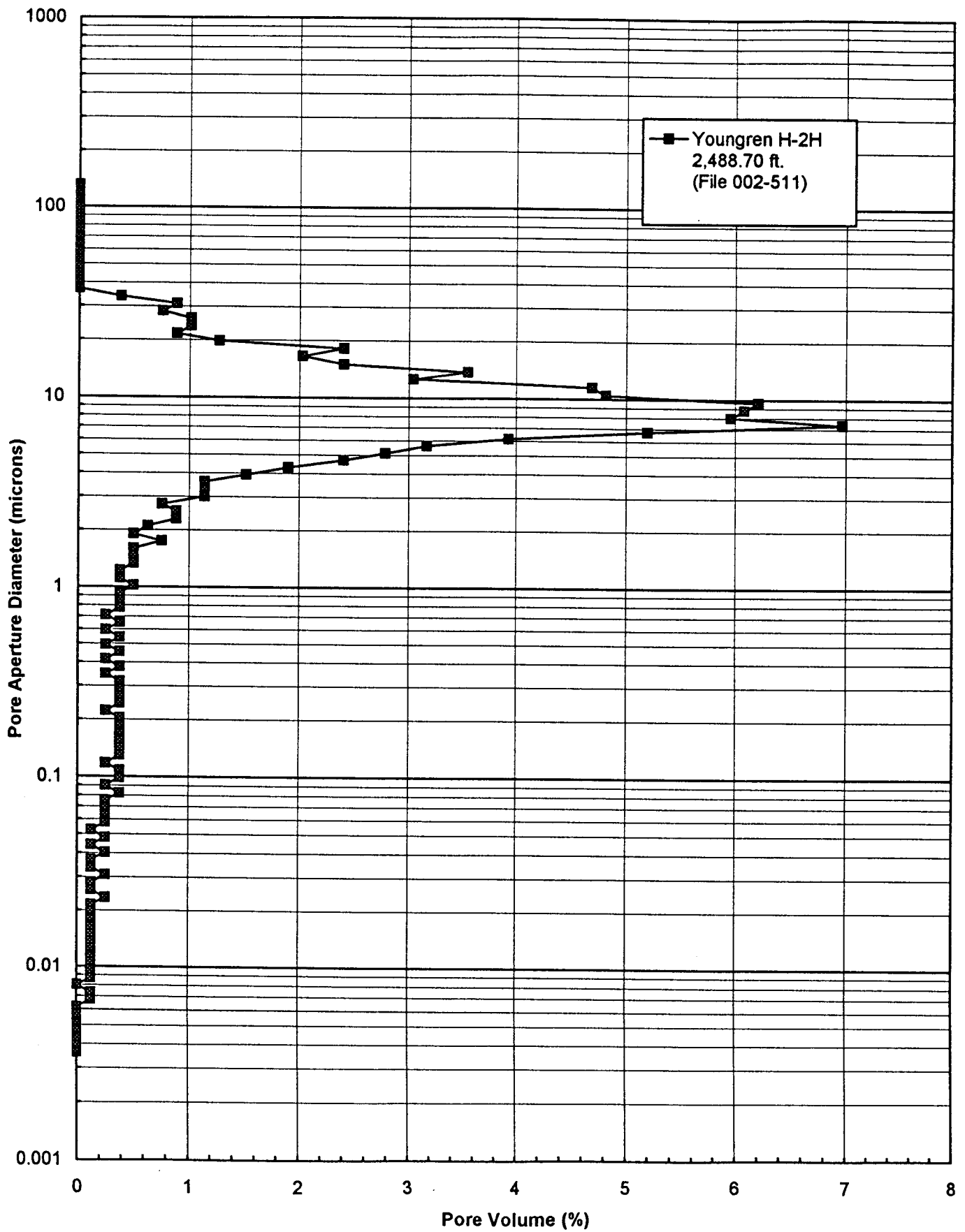
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,504.20 feet
File 002-513

Sample Information	
Bulk Volume = 11.1889 cc	Porosity = 15.0% (mercury)
Pore Volume = 1.6824 cc	Permeability = 28.85 md (mercury)
Closure = 0.34%BV @ 9.89 microns	Median Pore Aperture = 5.75 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	0.02	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	0.07	100.0	0.00	0.0000
3.37	63.3	0.10	100.0	0.00	0.0000
3.68	58.0	0.10	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	0.12	100.0	0.00	0.0000
5.27	40.5	0.14	100.0	0.00	0.0000
5.77	37.0	0.14	100.0	0.00	0.0000
6.31	33.8	0.17	100.0	0.00	0.0000
6.90	30.9	0.19	100.0	0.00	0.0000
7.55	28.3	0.22	100.0	0.00	0.0000
8.26	25.8	0.24	100.0	0.00	0.0000
9.04	23.6	0.29	100.0	0.00	0.0000
9.89	21.6	0.34	100.0	0.00	0.0000
10.8	19.8	0.38	99.7	0.32	0.3516
11.8	18.1	0.51	98.9	0.80	0.8000
12.9	16.5	0.63	98.1	0.80	0.7273
14.2	15.0	0.87	96.5	1.60	1.2308
15.5	13.8	1.15	94.6	1.92	1.4769
16.9	12.6	1.52	92.2	2.40	1.7143
18.5	11.5	1.92	89.4	2.72	1.7000
20.3	10.5	2.55	85.3	4.16	2.3111
22.2	9.61	3.20	81.0	4.32	2.2737
24.3	8.78	3.95	76.0	4.96	2.3619
26.6	8.02	4.81	70.2	5.76	2.5043
29.0	7.36	5.70	64.3	5.92	2.4667
31.8	6.71	6.59	58.4	5.92	2.1143
34.8	6.13	7.36	53.3	5.12	1.7067
38.0	5.61	8.04	48.8	4.48	1.4000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,504.20 feet

File 002-513

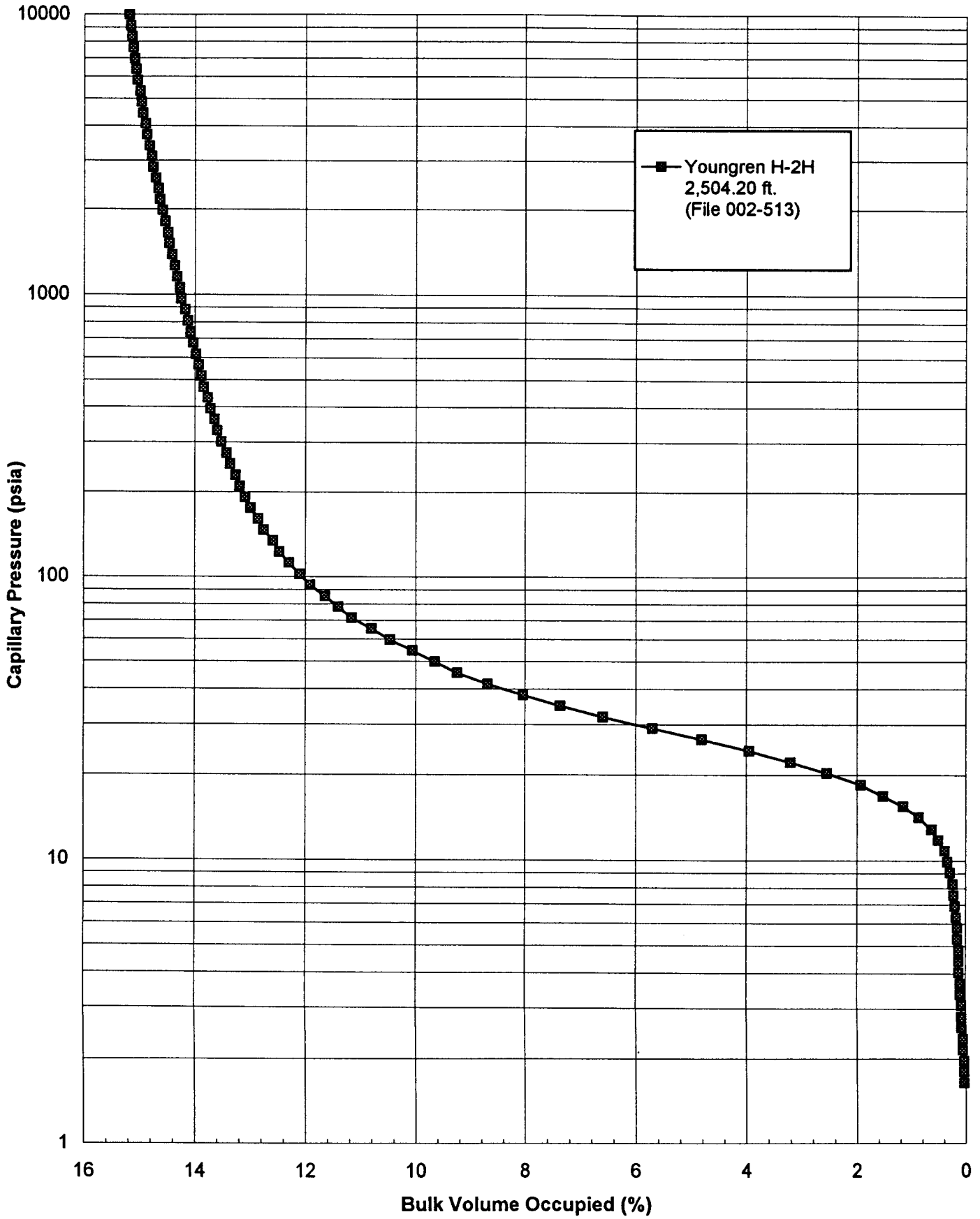
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	8.68	44.5	4.32	1.2000
45.5	4.69	9.24	40.8	3.68	0.9436
49.8	4.28	9.65	38.1	2.72	0.6326
54.5	3.91	10.06	35.4	2.72	0.5787
59.6	3.58	10.47	32.6	2.72	0.5333
65.2	3.27	10.80	30.4	2.24	0.4000
71.3	2.99	11.16	28.0	2.40	0.3934
78.0	2.73	11.40	26.4	1.60	0.2388
85.3	2.50	11.64	24.8	1.60	0.2192
93.4	2.28	11.91	23.0	1.76	0.2173
102	2.09	12.10	21.8	1.28	0.1488
112	1.90	12.29	20.5	1.28	0.1280
122	1.75	12.46	19.4	1.12	0.1120
134	1.59	12.58	18.6	0.80	0.0667
146	1.46	12.75	17.4	1.12	0.0933
160	1.33	12.85	16.8	0.64	0.0457
175	1.22	12.99	15.8	0.96	0.0640
191	1.12	13.09	15.2	0.64	0.0400
209	1.02	13.18	14.6	0.64	0.0356
229	0.932	13.26	14.1	0.48	0.0240
251	0.850	13.35	13.4	0.64	0.0291
274	0.779	13.42	13.0	0.48	0.0209
300	0.711	13.52	12.3	0.64	0.0246
328	0.650	13.59	11.8	0.48	0.0171
359	0.594	13.64	11.5	0.32	0.0103
393	0.543	13.71	11.0	0.48	0.0141
430	0.496	13.76	10.7	0.32	0.0086
470	0.454	13.83	10.2	0.48	0.0120
514	0.415	13.88	9.9	0.32	0.0073
563	0.379	13.93	9.6	0.32	0.0065
615	0.347	13.98	9.3	0.32	0.0062
673	0.317	14.03	9.0	0.32	0.0055
736	0.290	14.07	8.6	0.32	0.0051
806	0.265	14.12	8.3	0.32	0.0046
881	0.242	14.17	8.0	0.32	0.0043
964	0.221	14.24	7.5	0.48	0.0058
1050	0.203	14.27	7.4	0.16	0.0019
1150	0.186	14.31	7.0	0.32	0.0032
1260	0.169	14.36	6.7	0.32	0.0029
1380	0.155	14.41	6.4	0.32	0.0027
1510	0.141	14.46	6.1	0.32	0.0025
1650	0.129	14.48	5.9	0.16	0.0011

Mercury Injection Capillary Pressure

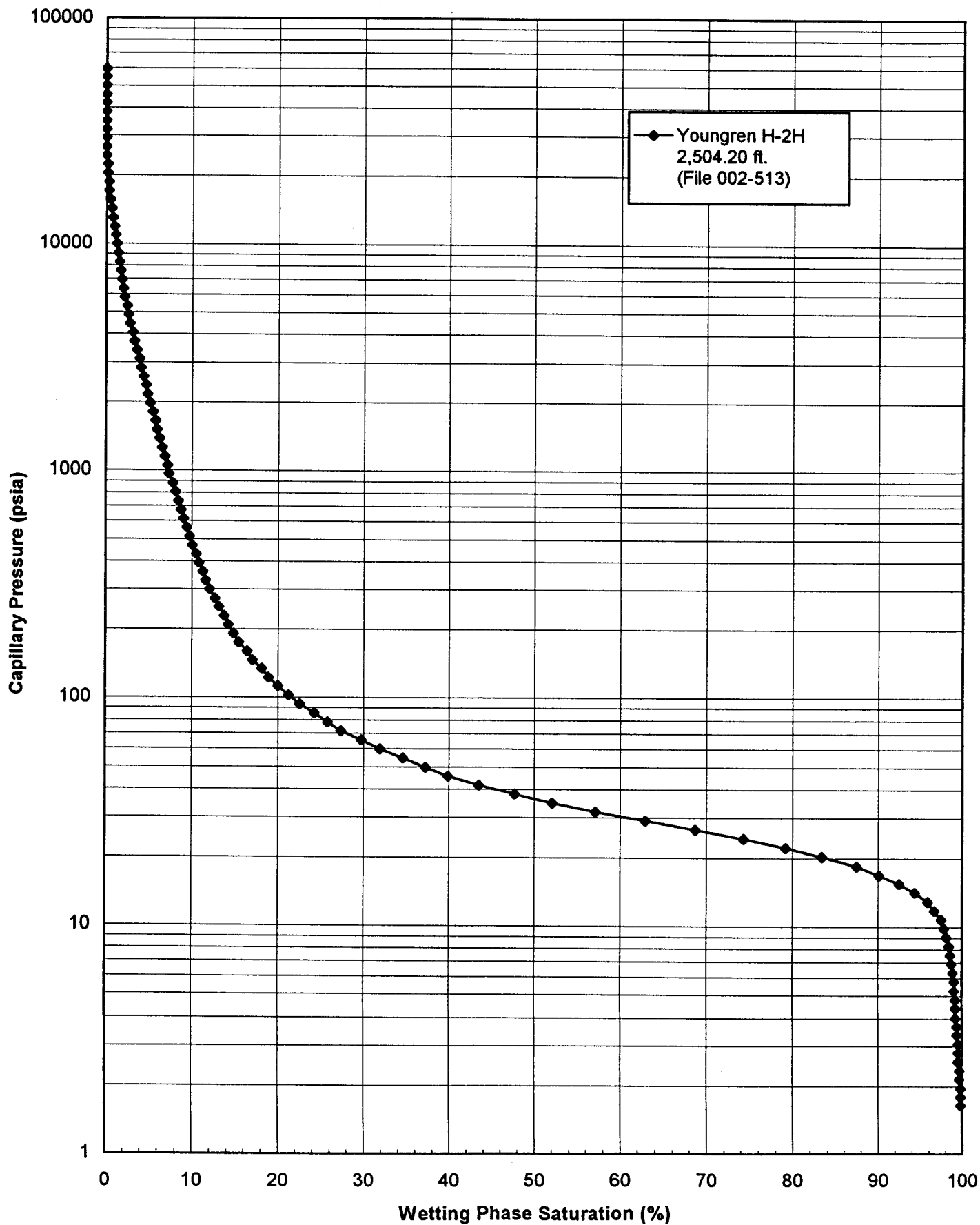
Youngren H-2H : 2,504.20 feet
File 002-513

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	14.53	5.6	0.32	0.0020
1980	0.1077	14.58	5.3	0.32	0.0019
2160	0.0988	14.63	5.0	0.32	0.0018
2370	0.0900	14.65	4.8	0.16	0.0008
2590	0.0824	14.70	4.5	0.32	0.0015
2830	0.0754	14.75	4.2	0.32	0.0013
3100	0.0688	14.77	4.0	0.16	0.0006
3390	0.0629	14.82	3.7	0.32	0.0011
3710	0.0575	14.87	3.4	0.32	0.0010
4060	0.0525	14.89	3.2	0.16	0.0005
4440	0.0480	14.94	2.9	0.32	0.0008
4850	0.0440	14.96	2.7	0.16	0.0004
5310	0.0402	14.99	2.6	0.16	0.0003
5810	0.0367	15.04	2.2	0.32	0.0006
6360	0.0335	15.06	2.1	0.16	0.0003
6950	0.0307	15.08	1.9	0.16	0.0003
7610	0.0280	15.11	1.8	0.16	0.0002
8320	0.0256	15.13	1.6	0.16	0.0002
9100	0.0234	15.16	1.4	0.16	0.0002
9960	0.0214	15.18	1.3	0.16	0.0002
10900	0.0196	15.20	1.1	0.16	0.0002
11900	0.0179	15.23	1.0	0.16	0.0002
13000	0.0164	15.25	0.8	0.16	0.0001
14300	0.0149	15.28	0.6	0.16	0.0001
15600	0.0137	15.30	0.5	0.16	0.0001
17100	0.0125	15.32	0.3	0.16	0.0001
18700	0.0114	15.32	0.3	0.00	0.0000
20400	0.0105	15.35	0.2	0.16	0.0001
22300	0.0096	15.35	0.2	0.00	0.0000
24400	0.0087	15.37	0.0	0.16	0.0001
26700	0.0080	15.37	0.0	0.00	0.0000
29300	0.0073	15.37	0.0	0.00	0.0000
32000	0.0067	15.37	0.0	0.00	0.0000
35000	0.0061	15.37	0.0	0.00	0.0000
38300	0.0056	15.37	0.0	0.00	0.0000
41900	0.0051	15.37	0.0	0.00	0.0000
45800	0.0047	15.37	0.0	0.00	0.0000
50100	0.0043	15.37	0.0	0.00	0.0000
54800	0.0039	15.37	0.0	0.00	0.0000
59500	0.0036	15.37	0.0	0.00	0.0000

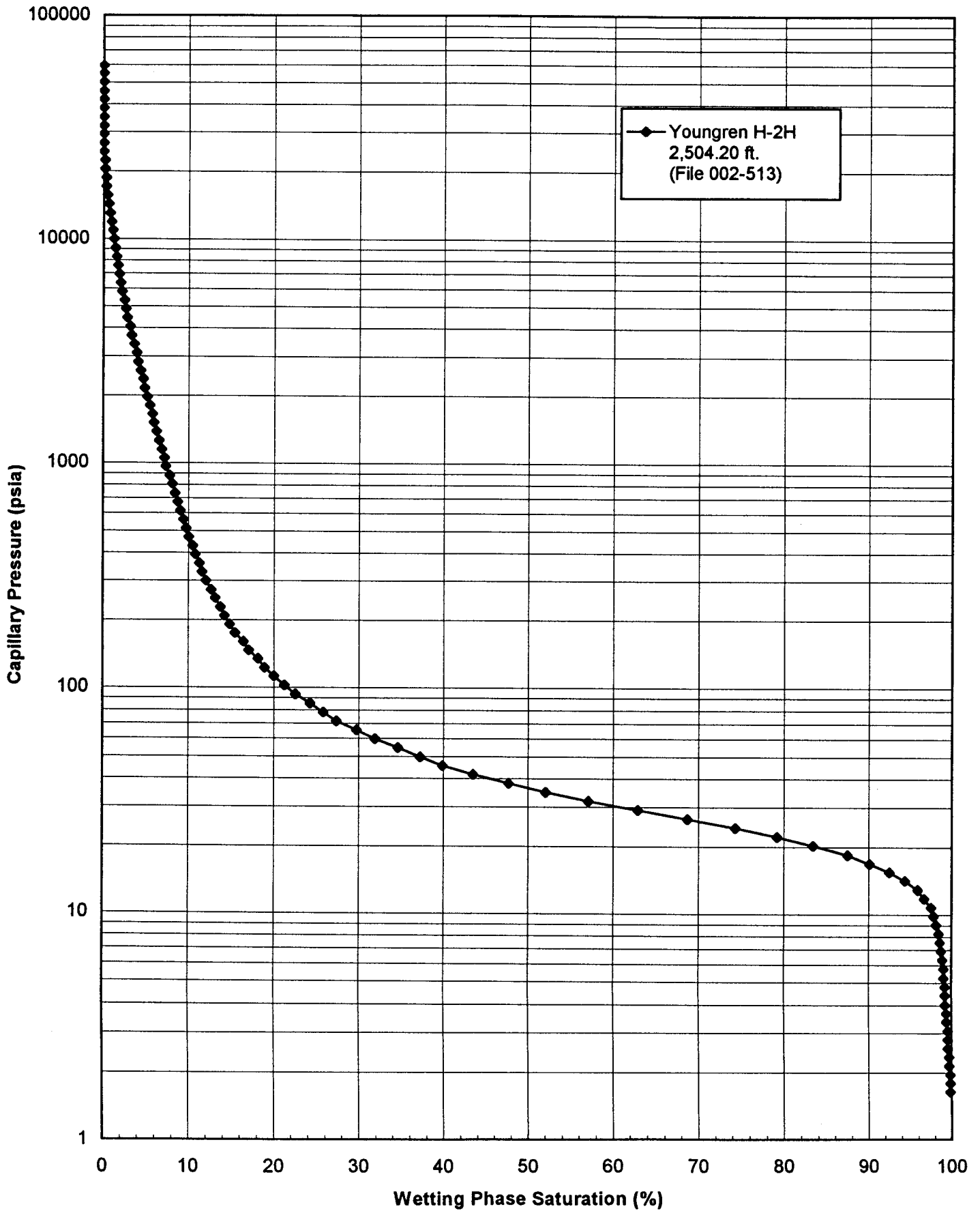
Mercury Injection Capillary Pressure (Bulk Volume)



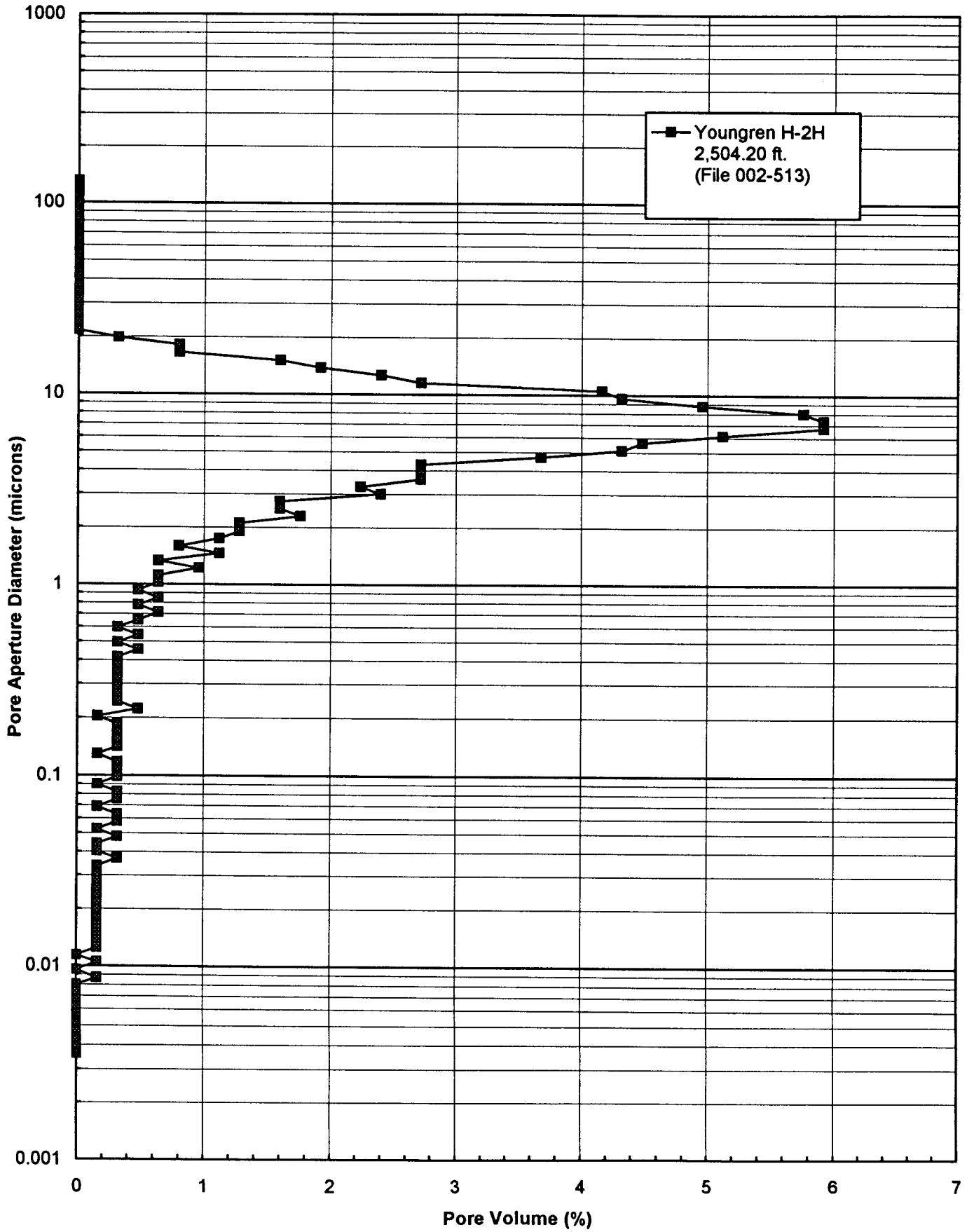
Mercury Injection Capillary Pressure (Pore Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,512.80 feet
File 002-517

Sample Information

Bulk Volume = 10.6170 cc
Pore Volume = 1.0749 cc
Closure = 0.66 %BV @ 71.3 psia

Porosity = 10.1% (mercury)
Permeability = 0.908 md (mercury)
Median Pore Aperture = 0.8894 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	0.03	100.0	0.00	0.0000
1.80	119	0.05	100.0	0.00	0.0000
1.96	109	0.10	100.0	0.00	0.0000
2.15	99.2	0.20	100.0	0.00	0.0000
2.35	90.8	0.25	100.0	0.00	0.0000
2.57	83.0	0.28	100.0	0.00	0.0000
2.81	75.9	0.28	100.0	0.00	0.0000
3.08	69.3	0.30	100.0	0.00	0.0000
3.37	63.3	0.30	100.0	0.00	0.0000
3.68	58.0	0.30	100.0	0.00	0.0000
4.03	52.9	0.33	100.0	0.00	0.0000
4.41	48.4	0.33	100.0	0.00	0.0000
4.82	44.3	0.33	100.0	0.00	0.0000
5.27	40.5	0.33	100.0	0.00	0.0000
5.77	37.0	0.35	100.0	0.00	0.0000
6.31	33.8	0.35	100.0	0.00	0.0000
6.90	30.9	0.35	100.0	0.00	0.0000
7.55	28.3	0.35	100.0	0.00	0.0000
8.26	25.8	0.38	100.0	0.00	0.0000
9.04	23.6	0.38	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	0.40	100.0	0.00	0.0000
12.9	16.5	0.43	100.0	0.00	0.0000
14.2	15.0	0.43	100.0	0.00	0.0000
15.5	13.8	0.43	100.0	0.00	0.0000
16.9	12.6	0.43	100.0	0.00	0.0000
18.5	11.5	0.46	100.0	0.00	0.0000
20.3	10.5	0.46	100.0	0.00	0.0000
22.2	9.61	0.46	100.0	0.00	0.0000
24.3	8.78	0.46	100.0	0.00	0.0000
26.6	8.02	0.46	100.0	0.00	0.0000
29.0	7.36	0.48	100.0	0.00	0.0000
31.8	6.71	0.48	100.0	0.00	0.0000
34.8	6.13	0.48	100.0	0.00	0.0000
38.0	5.61	0.51	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,512.80 feet
File 002-517

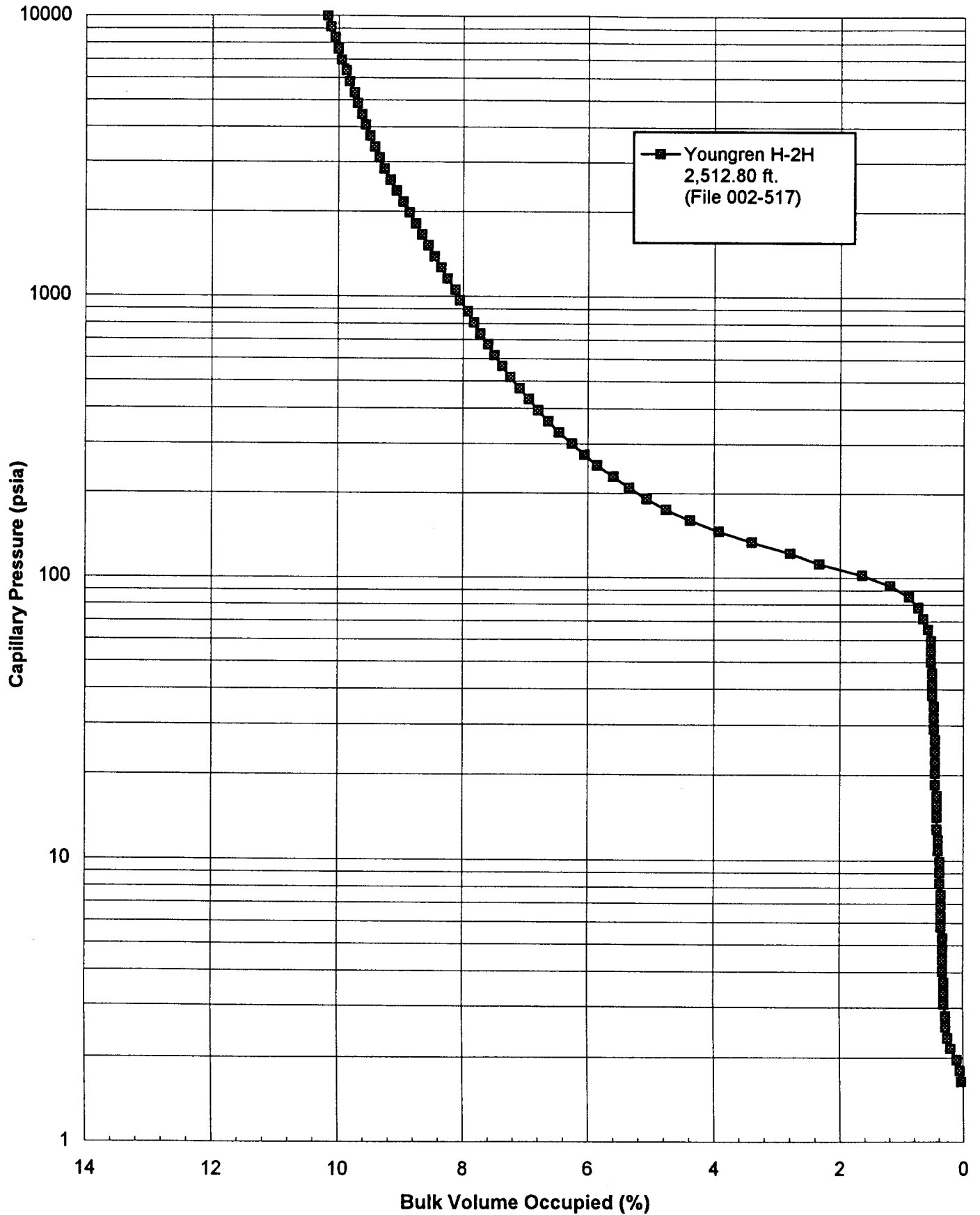
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.51	100.0	0.00	0.0000
45.5	4.69	0.51	100.0	0.00	0.0000
49.8	4.28	0.53	100.0	0.00	0.0000
54.5	3.91	0.53	100.0	0.00	0.0000
59.6	3.58	0.53	100.0	0.00	0.0000
65.2	3.27	0.58	100.0	0.00	0.0000
71.3	2.99	0.66	100.0	0.00	0.0000
78.0	2.73	0.73	99.3	0.75	0.1119
85.3	2.50	0.89	97.8	1.50	0.2055
93.4	2.28	1.19	94.8	3.00	0.3704
102	2.09	1.65	90.3	4.50	0.5233
112	1.90	2.33	83.5	6.75	0.6750
122	1.75	2.78	79.0	4.50	0.4500
134	1.59	3.39	73.0	6.00	0.5000
146	1.46	3.92	67.8	5.25	0.4375
160	1.33	4.38	63.3	4.50	0.3214
175	1.22	4.76	59.5	3.75	0.2500
191	1.12	5.06	56.5	3.00	0.1875
209	1.02	5.34	53.8	2.75	0.1528
229	0.932	5.59	51.3	2.50	0.1250
251	0.850	5.85	48.8	2.50	0.1136
274	0.779	6.05	46.8	2.00	0.0870
300	0.711	6.25	44.8	2.00	0.0769
328	0.650	6.45	42.8	2.00	0.0714
359	0.594	6.63	41.0	1.75	0.0565
393	0.543	6.78	39.5	1.50	0.0441
430	0.496	6.94	38.0	1.50	0.0405
470	0.454	7.09	36.5	1.50	0.0375
514	0.415	7.24	35.0	1.50	0.0341
563	0.379	7.37	33.8	1.25	0.0255
615	0.347	7.49	32.5	1.25	0.0240
673	0.317	7.59	31.5	1.00	0.0172
736	0.290	7.72	30.3	1.25	0.0198
806	0.265	7.82	29.3	1.00	0.0143
881	0.242	7.92	28.3	1.00	0.0133
964	0.221	8.05	27.0	1.25	0.0151
1050	0.203	8.12	26.3	0.75	0.0087
1150	0.186	8.25	25.0	1.25	0.0125
1260	0.169	8.35	24.0	1.00	0.0091
1380	0.155	8.45	23.0	1.00	0.0083
1510	0.141	8.55	22.0	1.00	0.0077
1650	0.129	8.66	21.0	1.00	0.0071

Mercury Injection Capillary Pressure

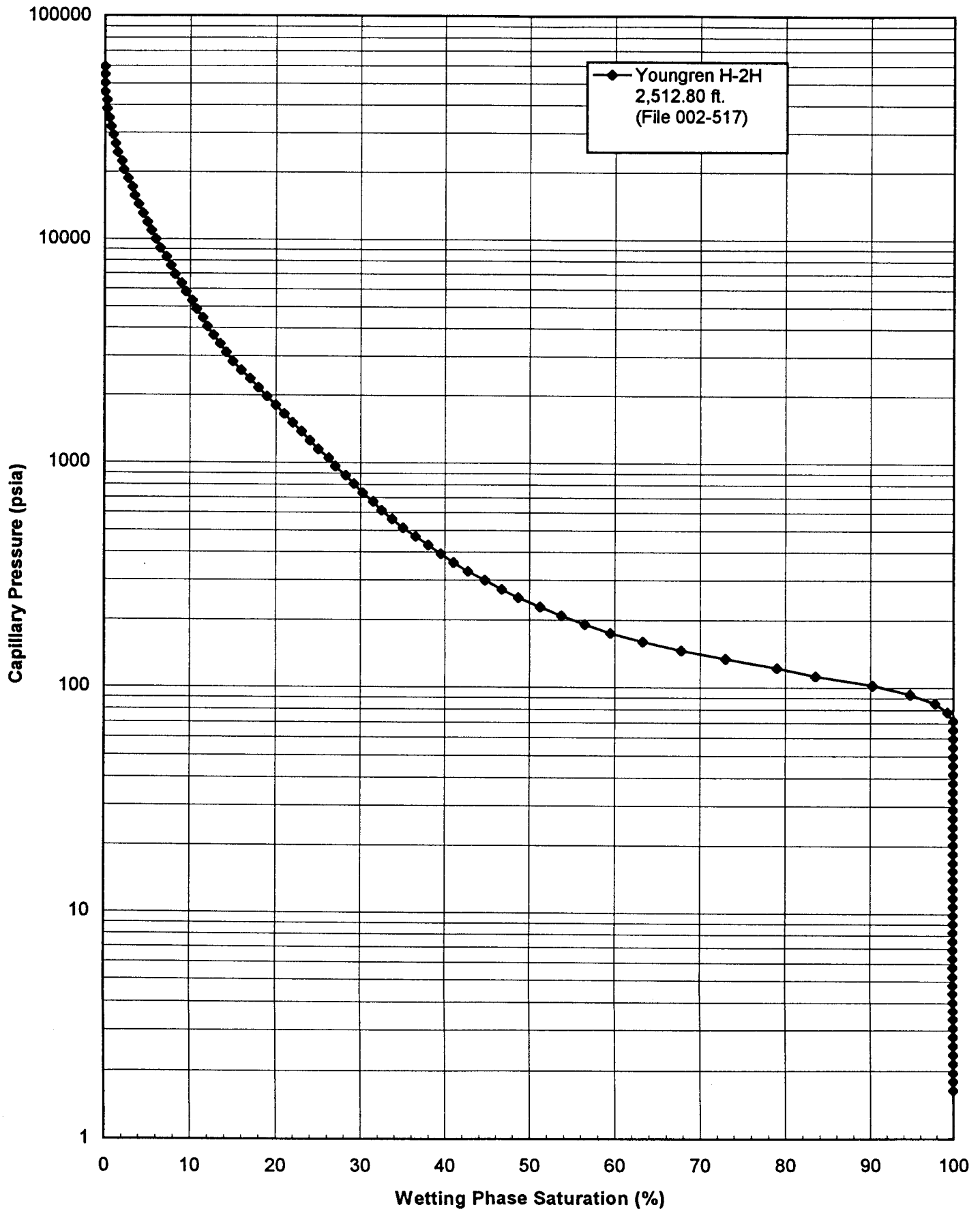
Youngren H-2H : 2,512.80 feet
File 002-517

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	8.76	20.0	1.00	0.0063
1980	0.1077	8.86	19.0	1.00	0.0059
2160	0.0988	8.96	18.0	1.00	0.0056
2370	0.0900	9.06	17.0	1.00	0.0048
2590	0.0824	9.16	16.0	1.00	0.0045
2830	0.0754	9.26	15.0	1.00	0.0042
3100	0.0688	9.34	14.3	0.75	0.0028
3390	0.0629	9.42	13.5	0.75	0.0026
3710	0.0575	9.49	12.8	0.75	0.0023
4060	0.0525	9.57	12.0	0.75	0.0021
4440	0.0480	9.62	11.5	0.50	0.0013
4850	0.0440	9.69	10.8	0.75	0.0018
5310	0.0402	9.74	10.3	0.50	0.0011
5810	0.0367	9.82	9.5	0.75	0.0015
6360	0.0335	9.87	9.0	0.50	0.0009
6950	0.0307	9.95	8.2	0.75	0.0013
7610	0.0280	10.00	7.8	0.50	0.0008
8320	0.0256	10.05	7.3	0.50	0.0007
9100	0.0234	10.12	6.5	0.75	0.0010
9960	0.0214	10.17	6.0	0.50	0.0006
10900	0.0196	10.23	5.5	0.50	0.0005
11900	0.0179	10.28	5.0	0.50	0.0005
13000	0.0164	10.33	4.5	0.50	0.0005
14300	0.0149	10.38	4.0	0.50	0.0004
15600	0.0137	10.43	3.5	0.50	0.0004
17100	0.0125	10.45	3.2	0.25	0.0002
18700	0.0114	10.50	2.8	0.50	0.0003
20400	0.0105	10.55	2.3	0.50	0.0003
22300	0.0096	10.58	2.0	0.25	0.0001
24400	0.0087	10.63	1.5	0.50	0.0002
26700	0.0080	10.66	1.3	0.25	0.0001
29300	0.0073	10.68	1.0	0.25	0.0001
32000	0.0067	10.71	0.8	0.25	0.0001
35000	0.0061	10.73	0.5	0.25	0.0001
38300	0.0056	10.76	0.3	0.25	0.0001
41900	0.0051	10.76	0.3	0.00	0.0000
45800	0.0047	10.78	0.0	0.25	0.0001
50100	0.0043	10.78	0.0	0.00	0.0000
54800	0.0039	10.78	0.0	0.00	0.0000
59500	0.0036	10.78	0.0	0.00	0.0000

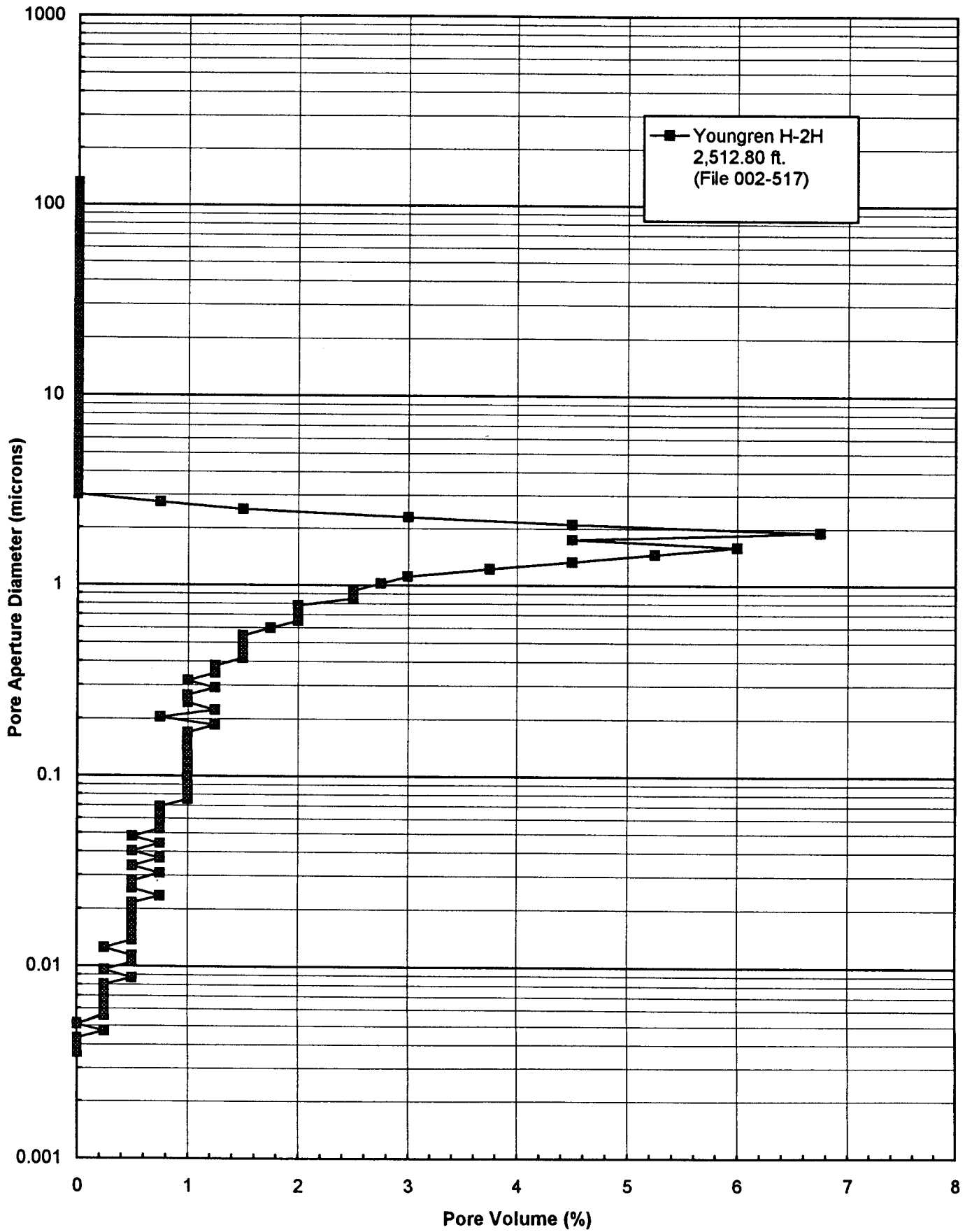
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,598.8 feet
File 002-514

Sample Information	
Bulk Volume = 11.4416 cc	Porosity = 10.0% (mercury)
Pore Volume = 1.1451 cc	Permeability = 0.058 md (mercury)
Closure = 0.44%BV @ 175 psia	Median Pore Aperture = 0.1314 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	0.15	100.0	0.00	0.0000
1.96	109	0.20	100.0	0.00	0.0000
2.15	99.2	0.22	100.0	0.00	0.0000
2.35	90.8	0.22	100.0	0.00	0.0000
2.57	83.0	0.24	100.0	0.00	0.0000
2.81	75.9	0.24	100.0	0.00	0.0000
3.08	69.3	0.27	100.0	0.00	0.0000
3.37	63.3	0.27	100.0	0.00	0.0000
3.68	58.0	0.27	100.0	0.00	0.0000
4.03	52.9	0.29	100.0	0.00	0.0000
4.41	48.4	0.29	100.0	0.00	0.0000
4.82	44.3	0.29	100.0	0.00	0.0000
5.27	40.5	0.29	100.0	0.00	0.0000
5.77	37.0	0.29	100.0	0.00	0.0000
6.31	33.8	0.29	100.0	0.00	0.0000
6.90	30.9	0.32	100.0	0.00	0.0000
7.55	28.3	0.32	100.0	0.00	0.0000
8.26	25.8	0.32	100.0	0.00	0.0000
9.04	23.6	0.32	100.0	0.00	0.0000
9.89	21.6	0.32	100.0	0.00	0.0000
10.8	19.8	0.32	100.0	0.00	0.0000
11.8	18.1	0.32	100.0	0.00	0.0000
12.9	16.5	0.32	100.0	0.00	0.0000
14.2	15.0	0.32	100.0	0.00	0.0000
15.5	13.8	0.32	100.0	0.00	0.0000
16.9	12.6	0.34	100.0	0.00	0.0000
18.5	11.5	0.34	100.0	0.00	0.0000
20.3	10.5	0.34	100.0	0.00	0.0000
22.2	9.61	0.34	100.0	0.00	0.0000
24.3	8.78	0.34	100.0	0.00	0.0000
26.6	8.02	0.34	100.0	0.00	0.0000
29.0	7.36	0.34	100.0	0.00	0.0000
31.8	6.71	0.34	100.0	0.00	0.0000
34.8	6.13	0.34	100.0	0.00	0.0000
38.0	5.61	0.37	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,598.8 feet
File 002-514

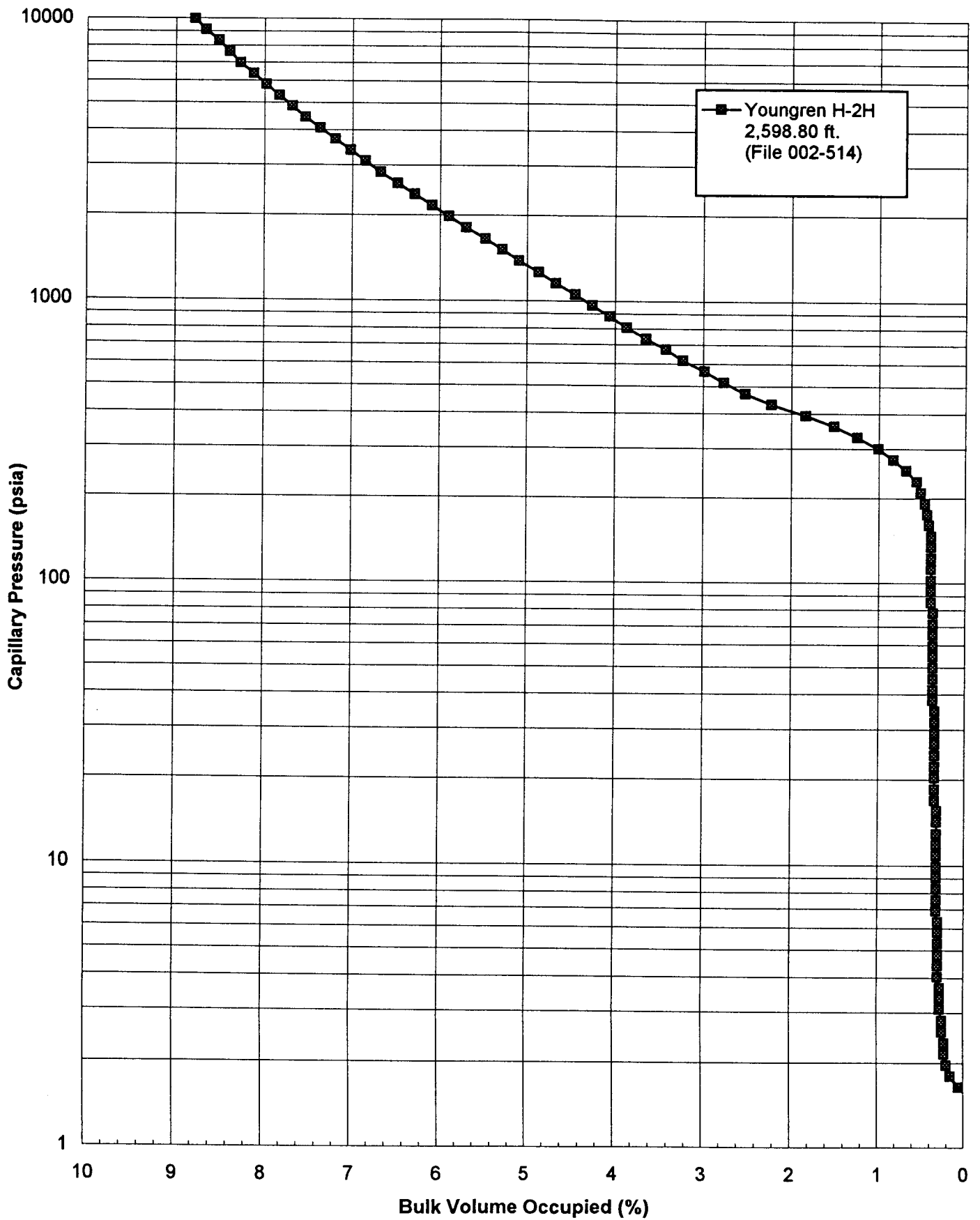
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.37	100.0	0.00	0.0000
45.5	4.69	0.37	100.0	0.00	0.0000
49.8	4.28	0.37	100.0	0.00	0.0000
54.5	3.91	0.37	100.0	0.00	0.0000
59.6	3.58	0.37	100.0	0.00	0.0000
65.2	3.27	0.37	100.0	0.00	0.0000
71.3	2.99	0.37	100.0	0.00	0.0000
78.0	2.73	0.37	100.0	0.00	0.0000
85.3	2.50	0.39	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	0.39	100.0	0.00	0.0000
122	1.75	0.39	100.0	0.00	0.0000
134	1.59	0.39	100.0	0.00	0.0000
146	1.46	0.39	100.0	0.00	0.0000
160	1.33	0.42	100.0	0.00	0.0000
175	1.22	0.44	100.0	0.00	0.0000
191	1.12	0.46	99.8	0.24	0.0153
209	1.02	0.51	99.3	0.49	0.0272
229	0.932	0.56	98.8	0.49	0.0244
251	0.850	0.69	97.6	1.22	0.0556
274	0.779	0.83	96.1	1.47	0.0638
300	0.711	1.00	94.4	1.71	0.0658
328	0.650	1.25	91.9	2.44	0.0873
359	0.594	1.52	89.2	2.69	0.0868
393	0.543	1.84	86.1	3.18	0.0935
430	0.496	2.23	82.2	3.91	0.1057
470	0.454	2.52	79.2	2.93	0.0733
514	0.415	2.77	76.8	2.44	0.0556
563	0.379	2.99	74.6	2.20	0.0449
615	0.347	3.23	72.1	2.44	0.0470
673	0.317	3.43	70.2	1.96	0.0337
736	0.290	3.65	68.0	2.20	0.0349
806	0.265	3.87	65.8	2.20	0.0314
881	0.242	4.06	63.8	1.96	0.0261
964	0.221	4.26	61.9	1.96	0.0236
1050	0.203	4.45	59.9	1.96	0.0227
1150	0.186	4.67	57.7	2.20	0.0220
1260	0.169	4.87	55.7	1.96	0.0178
1380	0.155	5.09	53.5	2.20	0.0183
1510	0.141	5.29	51.6	1.96	0.0150
1650	0.129	5.48	49.6	1.96	0.0140

Mercury Injection Capillary Pressure

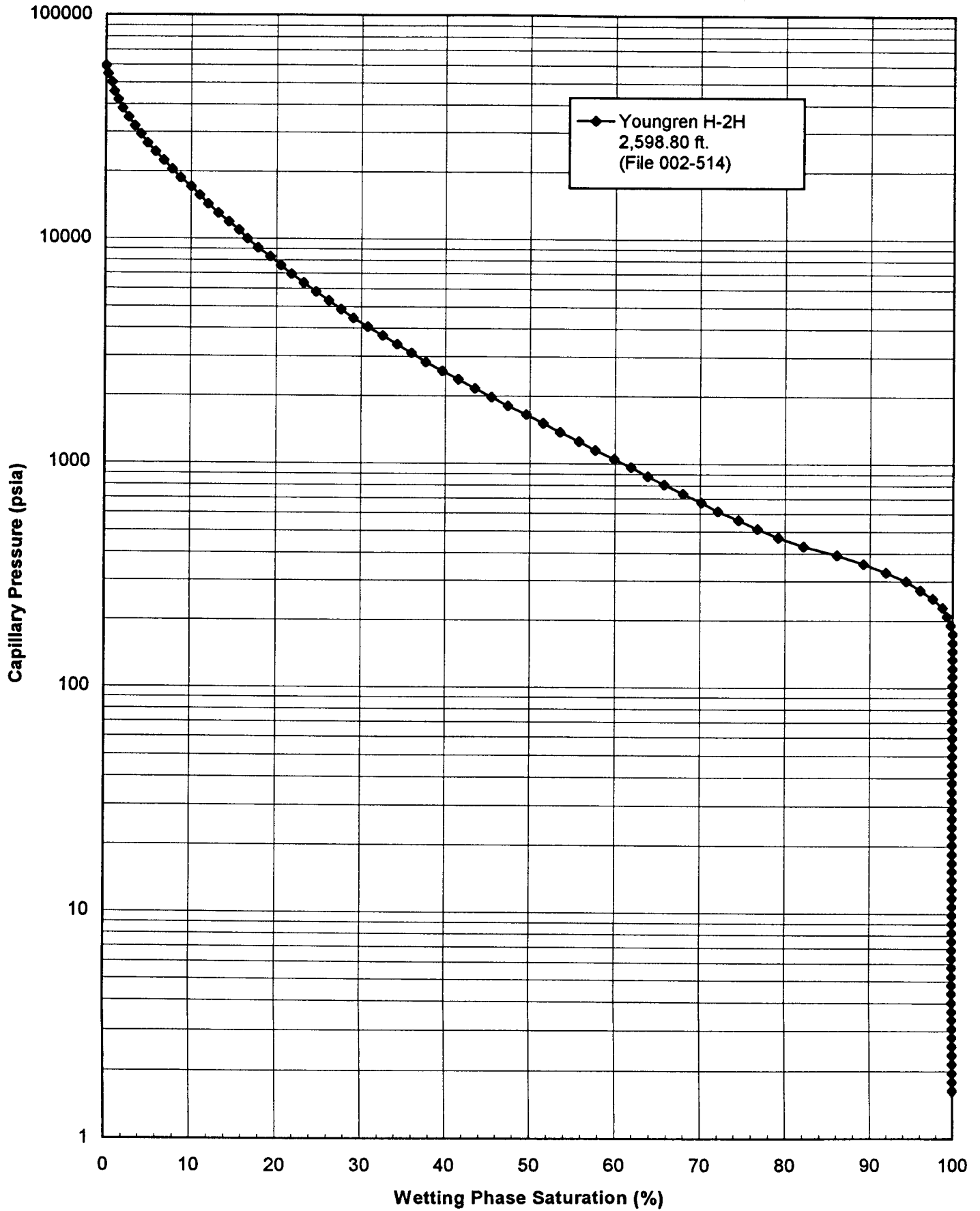
Youngren H-2H : 2,598.8 feet
File 002-514

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	5.70	47.4	2.20	0.0138
1980	0.1077	5.90	45.5	1.96	0.0115
2160	0.0988	6.09	43.5	1.96	0.0109
2370	0.0900	6.29	41.6	1.96	0.0093
2590	0.0824	6.48	39.6	1.96	0.0089
2830	0.0754	6.68	37.7	1.96	0.0081
3100	0.0688	6.85	35.9	1.71	0.0063
3390	0.0629	7.02	34.2	1.71	0.0059
3710	0.0575	7.19	32.5	1.71	0.0053
4060	0.0525	7.37	30.8	1.71	0.0049
4440	0.0480	7.54	29.1	1.71	0.0045
4850	0.0440	7.68	27.6	1.47	0.0036
5310	0.0402	7.83	26.2	1.47	0.0032
5810	0.0367	7.98	24.7	1.47	0.0029
6360	0.0335	8.12	23.2	1.47	0.0027
6950	0.0307	8.27	21.8	1.47	0.0025
7610	0.0280	8.39	20.5	1.22	0.0019
8320	0.0256	8.52	19.3	1.22	0.0017
9100	0.0234	8.66	17.8	1.47	0.0019
9960	0.0214	8.78	16.6	1.22	0.0014
10900	0.0196	8.88	15.6	0.98	0.0010
11900	0.0179	9.00	14.4	1.22	0.0012
13000	0.0164	9.13	13.2	1.22	0.0011
14300	0.0149	9.25	12.0	1.22	0.0009
15600	0.0137	9.35	11.0	0.98	0.0008
17100	0.0125	9.45	10.0	0.98	0.0007
18700	0.0114	9.57	8.8	1.22	0.0008
20400	0.0105	9.67	7.8	0.98	0.0006
22300	0.0096	9.76	6.8	0.98	0.0005
24400	0.0087	9.86	5.9	0.98	0.0005
26700	0.0080	9.96	4.9	0.98	0.0004
29300	0.0073	10.03	4.2	0.73	0.0003
32000	0.0067	10.11	3.4	0.73	0.0003
35000	0.0061	10.18	2.7	0.73	0.0002
38300	0.0056	10.25	2.0	0.73	0.0002
41900	0.0051	10.30	1.5	0.49	0.0001
45800	0.0047	10.35	1.0	0.49	0.0001
50100	0.0043	10.38	0.7	0.24	0.0001
54800	0.0039	10.42	0.2	0.49	0.0001
59500	0.0036	10.45	0.0	0.24	0.0001

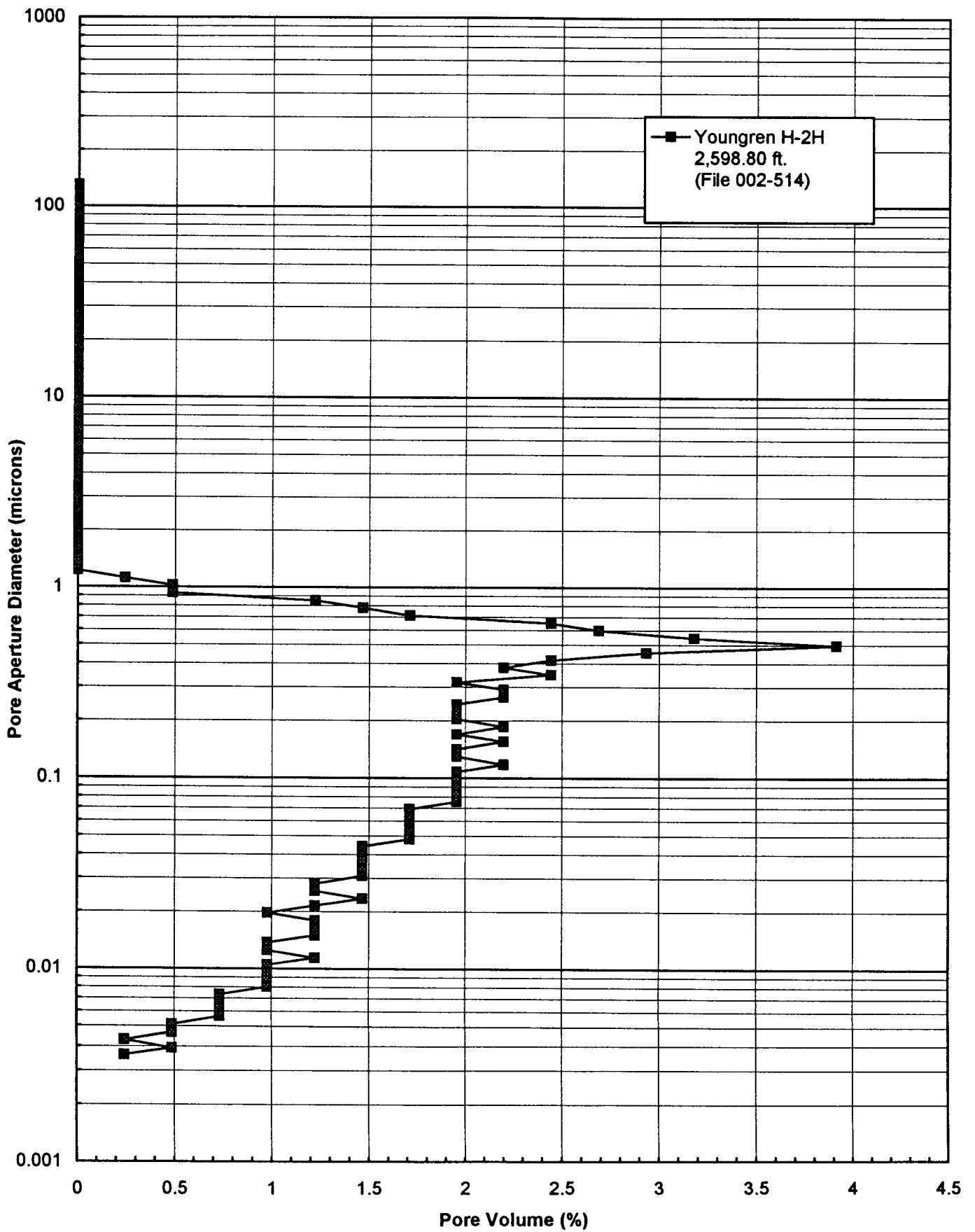
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,602.3 feet

File 002-531

Sample Information	
Bulk Volume = 11.4305 cc	Porosity = 4.9% (mercury)
Pore Volume = 0.5596 cc	Permeability = 0.0026 md (mercury)
Closure = 0.18%BV @ 964 psia	Median Pore Aperture = 0.0650 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	0.00	100.0	0.00	0.0000
1.96	109	0.00	100.0	0.00	0.0000
2.15	99.2	0.03	100.0	0.00	0.0000
2.35	90.8	0.03	100.0	0.00	0.0000
2.57	83.0	0.03	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	0.03	100.0	0.00	0.0000
4.41	48.4	0.03	100.0	0.00	0.0000
4.82	44.3	0.03	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	0.05	100.0	0.00	0.0000
7.55	28.3	0.05	100.0	0.00	0.0000
8.26	25.8	0.05	100.0	0.00	0.0000
9.04	23.6	0.05	100.0	0.00	0.0000
9.89	21.6	0.05	100.0	0.00	0.0000
10.8	19.8	0.05	100.0	0.00	0.0000
11.8	18.1	0.05	100.0	0.00	0.0000
12.9	16.5	0.05	100.0	0.00	0.0000
14.2	15.0	0.05	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	0.08	100.0	0.00	0.0000
22.2	9.61	0.08	100.0	0.00	0.0000
24.3	8.78	0.08	100.0	0.00	0.0000
26.6	8.02	0.08	100.0	0.00	0.0000
29.0	7.36	0.08	100.0	0.00	0.0000
31.8	6.71	0.10	100.0	0.00	0.0000
34.8	6.13	0.10	100.0	0.00	0.0000
38.0	5.61	0.10	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,602.3 feet
File 002-531

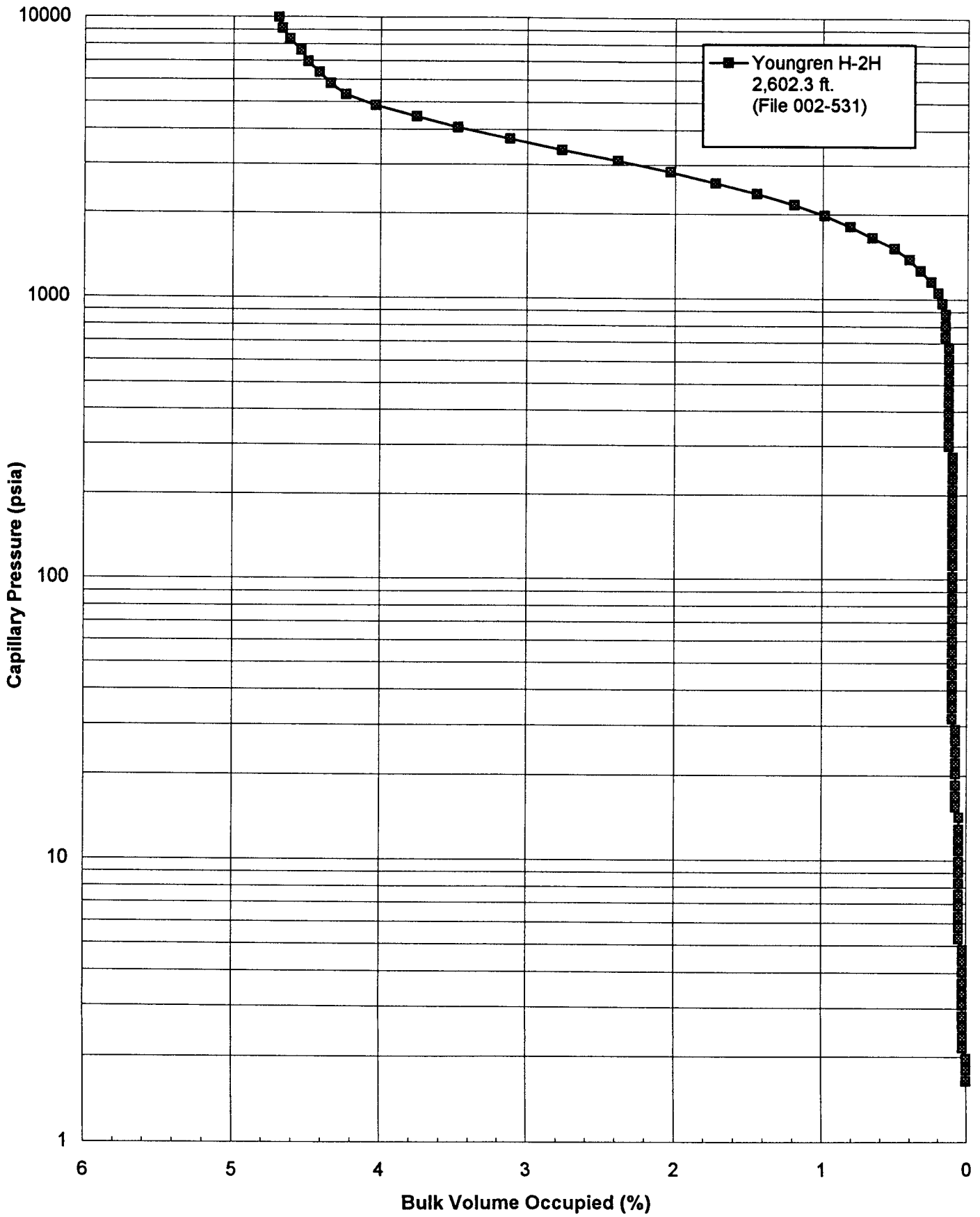
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.10	100.0	0.00	0.0000
45.5	4.69	0.10	100.0	0.00	0.0000
49.8	4.28	0.10	100.0	0.00	0.0000
54.5	3.91	0.10	100.0	0.00	0.0000
59.6	3.58	0.10	100.0	0.00	0.0000
65.2	3.27	0.10	100.0	0.00	0.0000
71.3	2.99	0.10	100.0	0.00	0.0000
78.0	2.73	0.10	100.0	0.00	0.0000
85.3	2.50	0.10	100.0	0.00	0.0000
93.4	2.28	0.10	100.0	0.00	0.0000
102	2.09	0.10	100.0	0.00	0.0000
112	1.90	0.10	100.0	0.00	0.0000
122	1.75	0.10	100.0	0.00	0.0000
134	1.59	0.10	100.0	0.00	0.0000
146	1.46	0.10	100.0	0.00	0.0000
160	1.33	0.10	100.0	0.00	0.0000
175	1.22	0.10	100.0	0.00	0.0000
191	1.12	0.10	100.0	0.00	0.0000
209	1.02	0.10	100.0	0.00	0.0000
229	0.932	0.10	100.0	0.00	0.0000
251	0.850	0.10	100.0	0.00	0.0000
274	0.779	0.10	100.0	0.00	0.0000
300	0.711	0.13	100.0	0.00	0.0000
328	0.650	0.13	100.0	0.00	0.0000
359	0.594	0.13	100.0	0.00	0.0000
393	0.543	0.13	100.0	0.00	0.0000
430	0.496	0.13	100.0	0.00	0.0000
470	0.454	0.13	100.0	0.00	0.0000
514	0.415	0.13	100.0	0.00	0.0000
563	0.379	0.13	100.0	0.00	0.0000
615	0.347	0.13	100.0	0.00	0.0000
673	0.317	0.13	100.0	0.00	0.0000
736	0.290	0.15	100.0	0.00	0.0000
806	0.265	0.15	100.0	0.00	0.0000
881	0.242	0.15	100.0	0.00	0.0000
964	0.221	0.18	100.0	0.00	0.0000
1050	0.203	0.20	99.5	0.52	0.0060
1150	0.186	0.25	98.4	1.04	0.0104
1260	0.169	0.33	96.9	1.55	0.0141
1380	0.155	0.41	95.3	1.55	0.0130
1510	0.141	0.51	93.3	2.07	0.0159
1650	0.129	0.66	90.2	3.11	0.0222

Mercury Injection Capillary Pressure

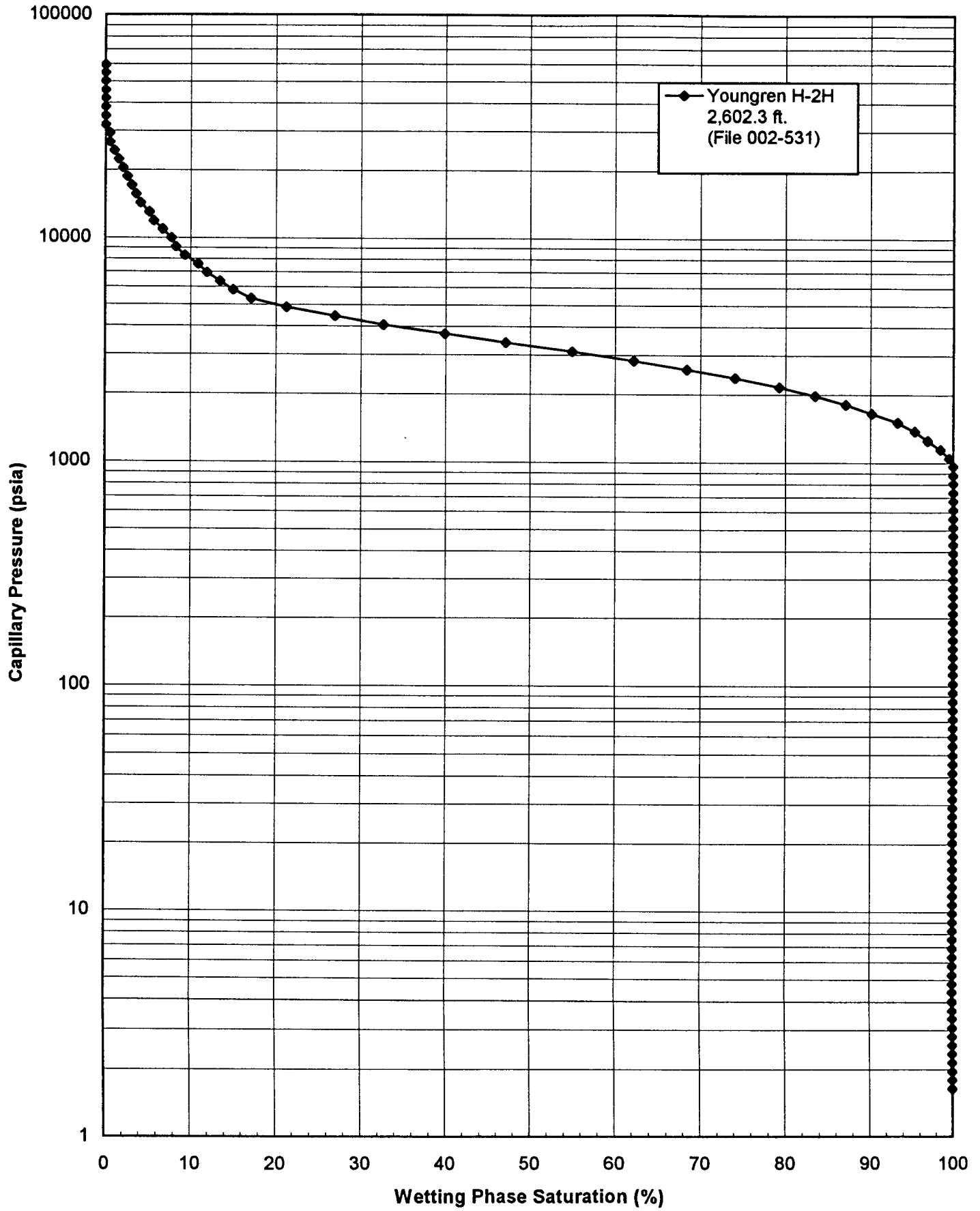
Youngren H-2H : 2,602.3 feet
File 002-531

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	0.81	87.0	3.11	0.0194
1980	0.1077	0.99	83.4	3.63	0.0213
2160	0.0988	1.19	79.3	4.15	0.0230
2370	0.0900	1.45	74.1	5.18	0.0247
2590	0.0824	1.72	68.4	5.70	0.0259
2830	0.0754	2.03	62.2	6.22	0.0259
3100	0.0688	2.38	54.9	7.25	0.0269
3390	0.0629	2.77	47.2	7.77	0.0268
3710	0.0575	3.12	39.9	7.25	0.0227
4060	0.0525	3.48	32.6	7.25	0.0207
4440	0.0480	3.75	26.9	5.70	0.0150
4850	0.0440	4.03	21.2	5.70	0.0139
5310	0.0402	4.24	17.1	4.15	0.0090
5810	0.0367	4.34	15.0	2.07	0.0041
6360	0.0335	4.41	13.5	1.55	0.0028
6950	0.0307	4.49	11.9	1.55	0.0026
7610	0.0280	4.54	10.9	1.04	0.0016
8320	0.0256	4.62	9.3	1.55	0.0022
9100	0.0234	4.67	8.3	1.04	0.0013
9960	0.0214	4.69	7.8	0.52	0.0006
10900	0.0196	4.74	6.7	1.04	0.0011
11900	0.0179	4.79	5.7	1.04	0.0010
13000	0.0164	4.82	5.2	0.52	0.0005
14300	0.0149	4.87	4.1	1.04	0.0008
15600	0.0137	4.90	3.6	0.52	0.0004
17100	0.0125	4.92	3.1	0.52	0.0003
18700	0.0114	4.95	2.6	0.52	0.0003
20400	0.0105	4.97	2.1	0.52	0.0003
22300	0.0096	5.00	1.6	0.52	0.0003
24400	0.0087	5.02	1.0	0.52	0.0002
26700	0.0080	5.05	0.5	0.52	0.0002
29300	0.0073	5.05	0.5	0.00	0.0000
32000	0.0067	5.07	0.0	0.52	0.0002
35000	0.0061	5.07	0.0	0.00	0.0000
38300	0.0056	5.07	0.0	0.00	0.0000
41900	0.0051	5.07	0.0	0.00	0.0000
45800	0.0047	5.07	0.0	0.00	0.0000
50100	0.0043	5.07	0.0	0.00	0.0000
54800	0.0039	5.07	0.0	0.00	0.0000
59500	0.0036	5.07	0.0	0.00	0.0000

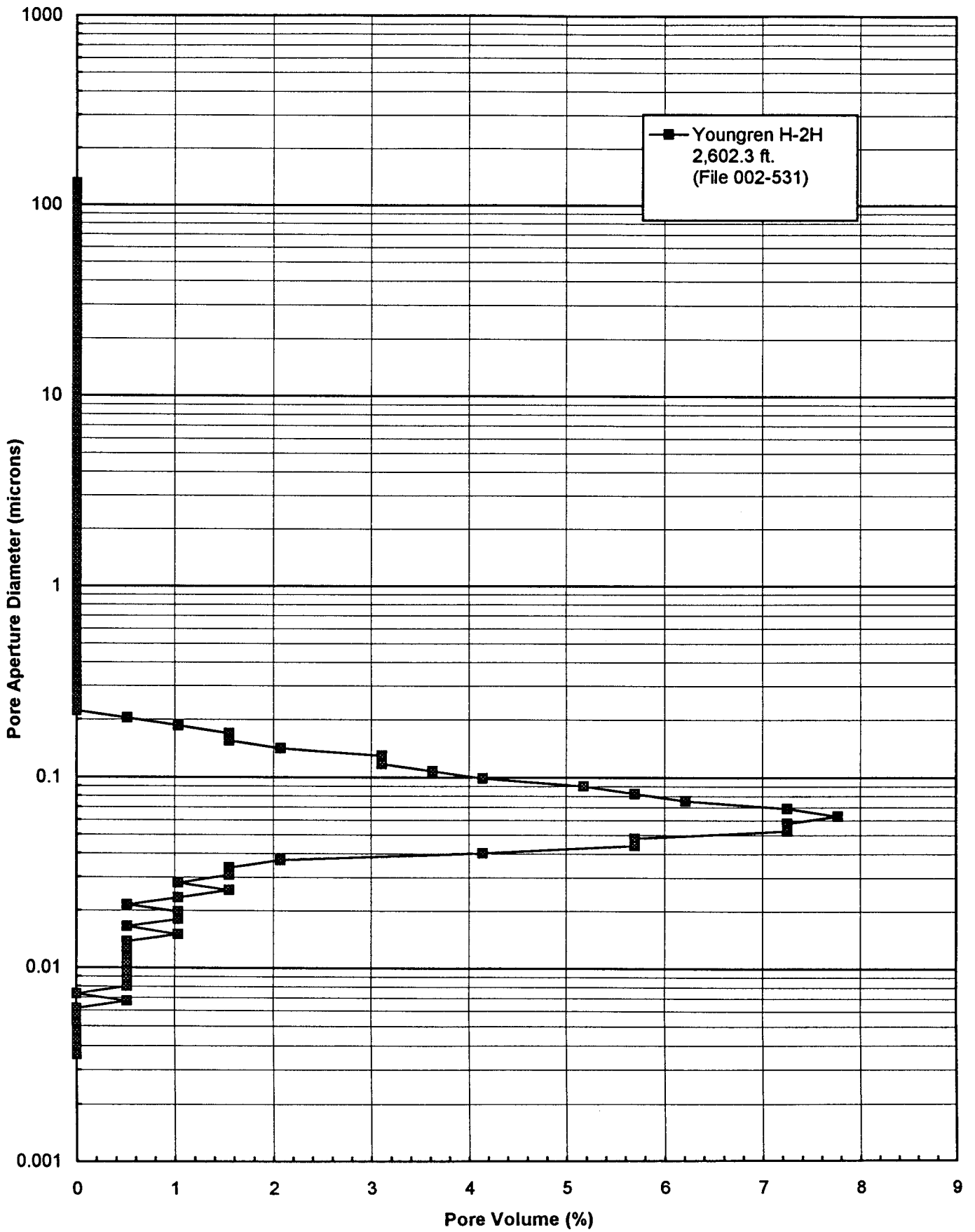
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,616.20 feet
File 002-512

Sample Information	
Bulk Volume = 11.5344 cc	Porosity = 18.0% (mercury)
Pore Volume = 2.0774 cc	Permeability = 18.49 md (mercury)
Closure = 0.75% (mercury)	Median Pore Aperture = 3.18 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	0.09	100.0	0.00	0.0000
2.15	99.2	0.13	100.0	0.00	0.0000
2.35	90.8	0.20	100.0	0.00	0.0000
2.57	83.0	0.22	100.0	0.00	0.0000
2.81	75.9	0.24	100.0	0.00	0.0000
3.08	69.3	0.27	100.0	0.00	0.0000
3.37	63.3	0.31	100.0	0.00	0.0000
3.68	58.0	0.31	100.0	0.00	0.0000
4.03	52.9	0.33	100.0	0.00	0.0000
4.41	48.4	0.35	100.0	0.00	0.0000
4.82	44.3	0.38	100.0	0.00	0.0000
5.27	40.5	0.38	100.0	0.00	0.0000
5.77	37.0	0.40	100.0	0.00	0.0000
6.31	33.8	0.42	100.0	0.00	0.0000
6.90	30.9	0.42	100.0	0.00	0.0000
7.55	28.3	0.44	100.0	0.00	0.0000
8.26	25.8	0.47	100.0	0.00	0.0000
9.04	23.6	0.49	100.0	0.00	0.0000
9.89	21.6	0.51	100.0	0.00	0.0000
10.8	19.8	0.53	100.0	0.00	0.0000
11.8	18.1	0.55	100.0	0.00	0.0000
12.9	16.5	0.58	100.0	0.00	0.0000
14.2	15.0	0.60	100.0	0.00	0.0000
15.5	13.8	0.62	100.0	0.00	0.0000
16.9	12.6	0.66	100.0	0.00	0.0000
18.5	11.5	0.75	100.0	0.00	0.0000
20.3	10.5	0.80	99.8	0.25	0.1367
22.2	9.61	0.86	99.4	0.37	0.1942
24.3	8.78	1.02	98.5	0.86	0.4100
26.6	8.02	1.37	96.6	1.97	0.8557
29.0	7.36	1.86	93.8	2.71	1.1275
31.8	6.71	2.77	88.8	5.04	1.8011
34.8	6.13	4.03	81.8	7.01	2.3370
38.0	5.61	5.43	74.0	7.75	2.4216

Mercury Injection Capillary Pressure

Youngren H-2H : 2,616.20 feet
File 002-512

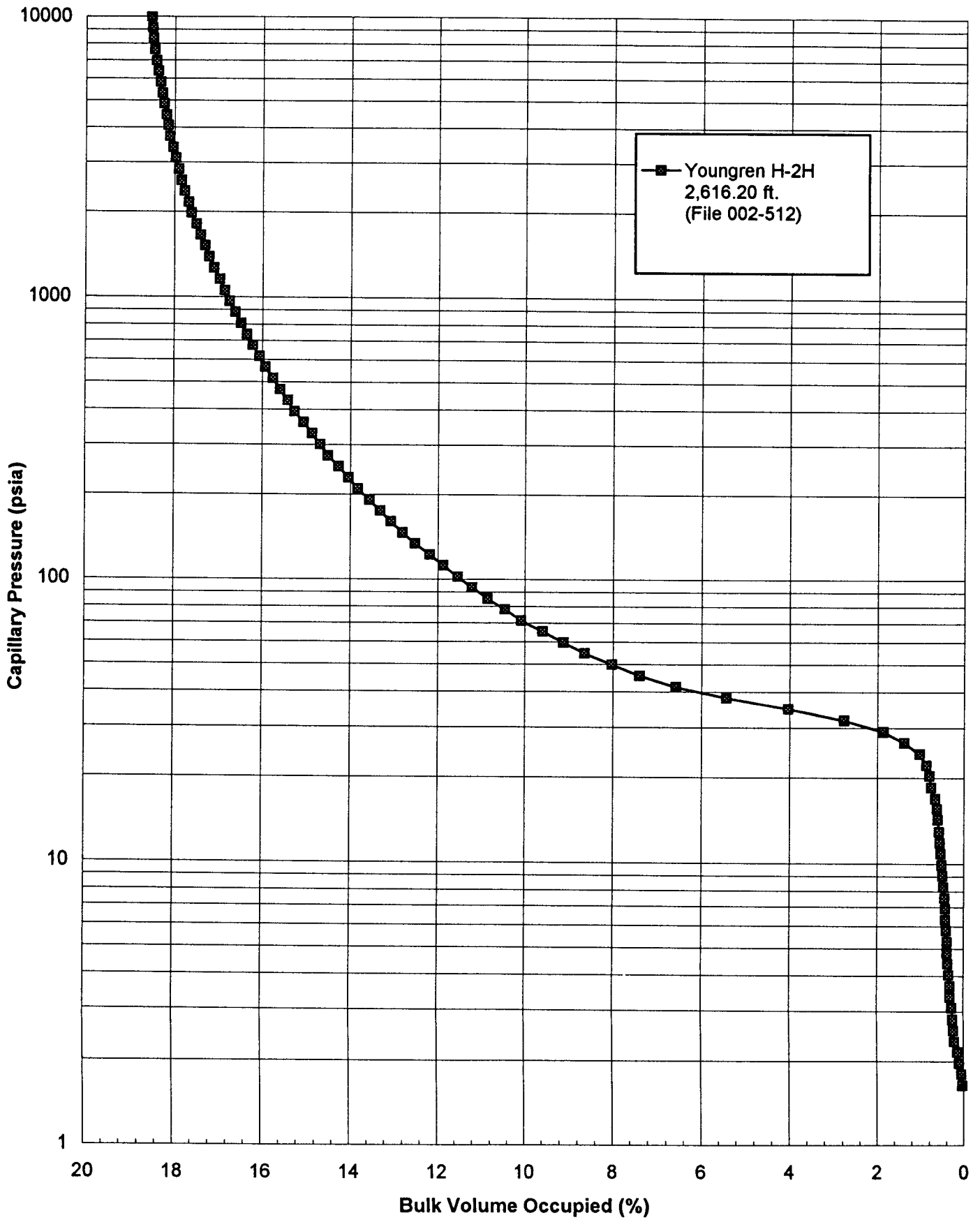
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	6.58	67.7	6.40	1.7767
45.5	4.69	7.40	63.1	4.55	1.1669
49.8	4.28	8.02	59.7	3.44	0.8009
54.5	3.91	8.64	56.2	3.44	0.7328
59.6	3.58	9.13	53.5	2.71	0.5306
65.2	3.27	9.59	50.9	2.58	0.4613
71.3	2.99	10.08	48.2	2.71	0.4436
78.0	2.73	10.46	46.1	2.09	0.3121
85.3	2.50	10.85	43.9	2.21	0.3033
93.4	2.28	11.21	41.9	1.97	0.2430
102	2.09	11.54	40.1	1.85	0.2145
112	1.90	11.87	38.3	1.85	0.1845
122	1.75	12.18	36.5	1.72	0.1722
134	1.59	12.52	34.7	1.85	0.1538
146	1.46	12.80	33.1	1.60	0.1333
160	1.33	13.07	31.6	1.48	0.1054
175	1.22	13.31	30.3	1.35	0.0902
191	1.12	13.56	28.9	1.35	0.0846
209	1.02	13.82	27.4	1.48	0.0820
229	0.932	14.04	26.2	1.23	0.0615
251	0.850	14.27	25.0	1.23	0.0559
274	0.779	14.51	23.6	1.35	0.0588
300	0.711	14.69	22.6	0.98	0.0378
328	0.650	14.86	21.6	0.98	0.0351
359	0.594	15.06	20.5	1.11	0.0357
393	0.543	15.26	19.4	1.11	0.0326
430	0.496	15.42	18.6	0.86	0.0233
470	0.454	15.60	17.6	0.98	0.0246
514	0.415	15.75	16.7	0.86	0.0196
563	0.379	15.93	15.7	0.98	0.0201
615	0.347	16.06	15.0	0.74	0.0142
673	0.317	16.22	14.1	0.86	0.0148
736	0.290	16.35	13.4	0.74	0.0117
806	0.265	16.48	12.7	0.74	0.0105
881	0.242	16.61	11.9	0.74	0.0098
964	0.221	16.75	11.2	0.74	0.0089
1050	0.203	16.86	10.6	0.62	0.0072
1150	0.186	16.97	10.0	0.62	0.0062
1260	0.169	17.10	9.2	0.74	0.0067
1380	0.155	17.21	8.6	0.62	0.0051
1510	0.141	17.30	8.1	0.49	0.0038
1650	0.129	17.41	7.5	0.62	0.0044

Mercury Injection Capillary Pressure

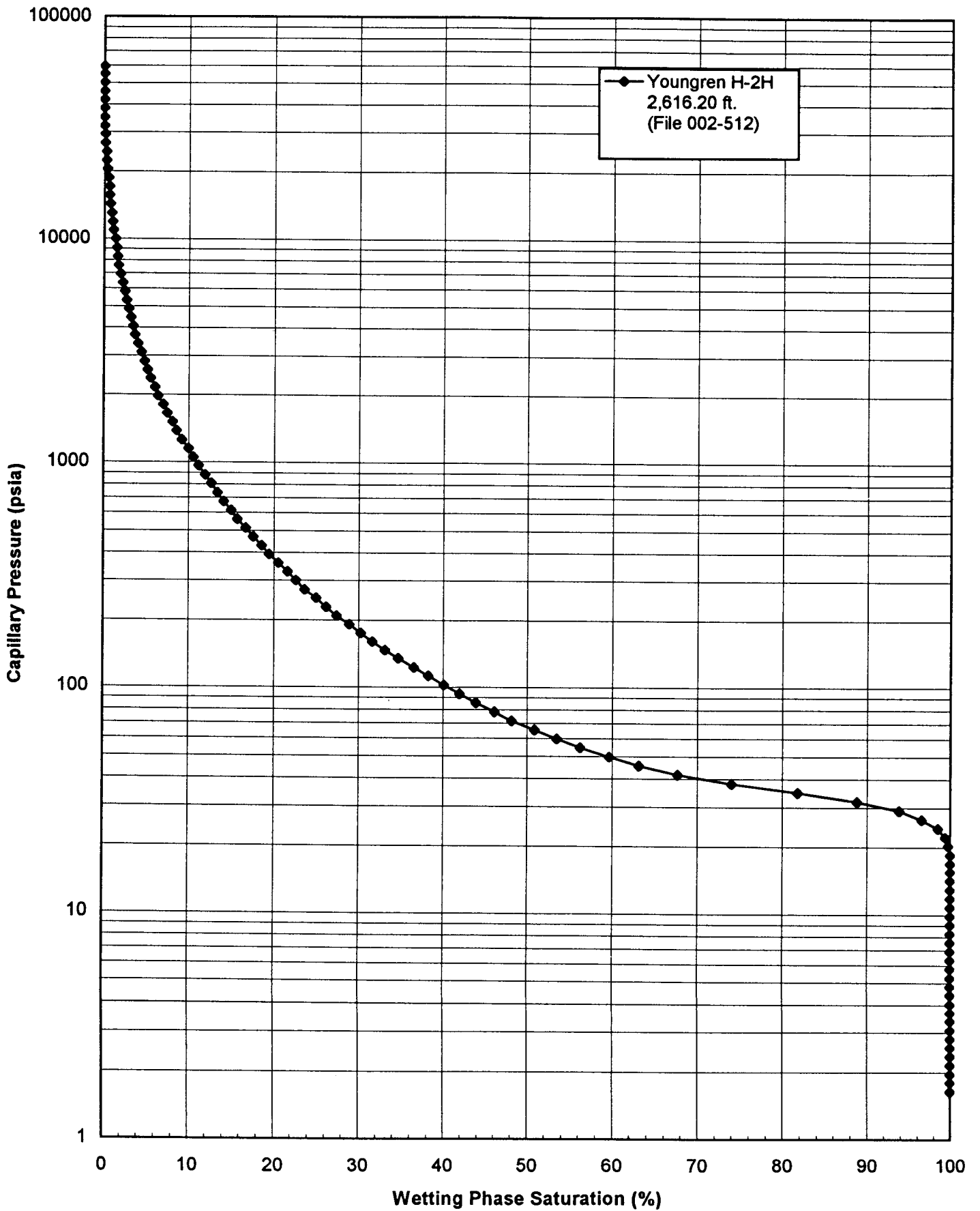
Youngren H-2H : 2,616.20 feet
File 002-512

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	17.50	7.0	0.49	0.0031
1980	0.1077	17.61	6.4	0.62	0.0036
2160	0.0988	17.68	6.0	0.37	0.0021
2370	0.0900	17.77	5.5	0.49	0.0023
2590	0.0824	17.83	5.2	0.37	0.0017
2830	0.0754	17.90	4.8	0.37	0.0015
3100	0.0688	17.97	4.4	0.37	0.0014
3390	0.0629	18.03	4.1	0.37	0.0013
3710	0.0575	18.10	3.7	0.37	0.0012
4060	0.0525	18.14	3.4	0.25	0.0007
4440	0.0480	18.19	3.2	0.25	0.0006
4850	0.0440	18.23	3.0	0.25	0.0006
5310	0.0402	18.28	2.7	0.25	0.0005
5810	0.0367	18.32	2.5	0.25	0.0005
6360	0.0335	18.36	2.2	0.25	0.0004
6950	0.0307	18.41	2.0	0.25	0.0004
7610	0.0280	18.45	1.7	0.25	0.0004
8320	0.0256	18.48	1.6	0.12	0.0002
9100	0.0234	18.50	1.5	0.12	0.0002
9960	0.0214	18.52	1.4	0.12	0.0001
10900	0.0196	18.56	1.1	0.25	0.0003
11900	0.0179	18.59	1.0	0.12	0.0001
13000	0.0164	18.61	0.9	0.12	0.0001
14300	0.0149	18.63	0.7	0.12	0.0001
15600	0.0137	18.65	0.6	0.12	0.0001
17100	0.0125	18.65	0.6	0.00	0.0000
18700	0.0114	18.67	0.5	0.12	0.0001
20400	0.0105	18.70	0.4	0.12	0.0001
22300	0.0096	18.72	0.2	0.12	0.0001
24400	0.0087	18.72	0.2	0.00	0.0000
26700	0.0080	18.74	0.1	0.12	0.0001
29300	0.0073	18.74	0.1	0.00	0.0000
32000	0.0067	18.76	0.0	0.12	0.0000
35000	0.0061	18.76	0.0	0.00	0.0000
38300	0.0056	18.76	0.0	0.00	0.0000
41900	0.0051	18.76	0.0	0.00	0.0000
45800	0.0047	18.76	0.0	0.00	0.0000
50100	0.0043	18.76	0.0	0.00	0.0000
54800	0.0039	18.76	0.0	0.00	0.0000
59500	0.0036	18.76	0.0	0.00	0.0000

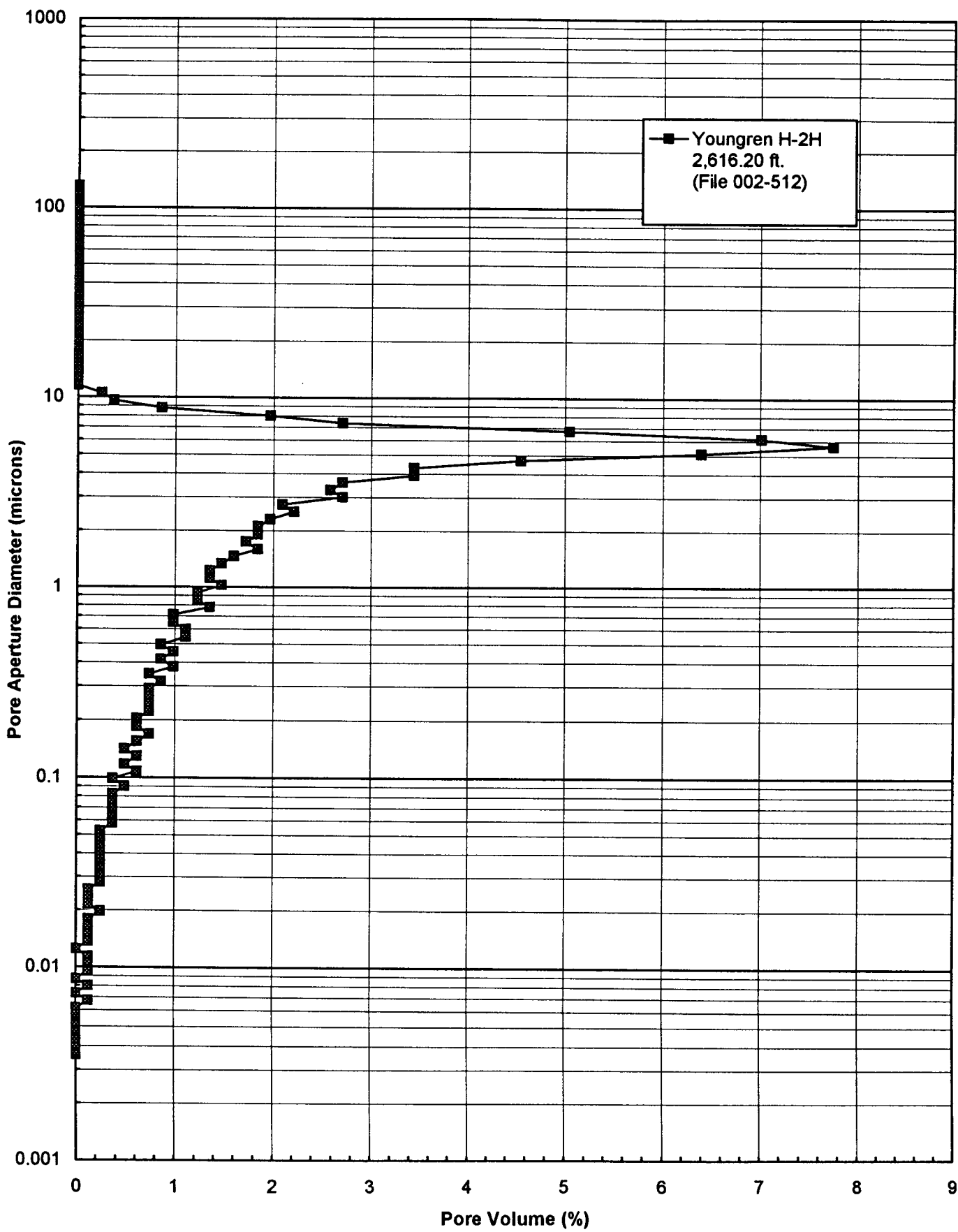
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,621.60 feet
File 002-518

Sample Information	
Bulk Volume = 11.4060 cc	Porosity = 14.4% (mercury)
Pore Volume = 1.6399 cc	Permeability = 12.25 md (mercury)
Closure = 0.51%BV @ 16.9 psia	Median Pore Aperture = 2.703 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	0.02	100.0	0.00	0.0000
1.96	109	0.05	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	0.14	100.0	0.00	0.0000
3.37	63.3	0.14	100.0	0.00	0.0000
3.68	58.0	0.16	100.0	0.00	0.0000
4.03	52.9	0.19	100.0	0.00	0.0000
4.41	48.4	0.19	100.0	0.00	0.0000
4.82	44.3	0.21	100.0	0.00	0.0000
5.27	40.5	0.21	100.0	0.00	0.0000
5.77	37.0	0.21	100.0	0.00	0.0000
6.31	33.8	0.23	100.0	0.00	0.0000
6.90	30.9	0.23	100.0	0.00	0.0000
7.55	28.3	0.25	100.0	0.00	0.0000
8.26	25.8	0.25	100.0	0.00	0.0000
9.04	23.6	0.28	100.0	0.00	0.0000
9.89	21.6	0.28	100.0	0.00	0.0000
10.8	19.8	0.30	100.0	0.00	0.0000
11.8	18.1	0.32	100.0	0.00	0.0000
12.9	16.5	0.35	100.0	0.00	0.0000
14.2	15.0	0.37	100.0	0.00	0.0000
15.5	13.8	0.39	100.0	0.00	0.0000
16.9	12.6	0.51	100.0	0.00	0.0000
18.5	11.5	0.58	99.5	0.48	0.3019
20.3	10.5	0.69	98.7	0.81	0.4473
22.2	9.61	0.88	97.4	1.29	0.6780
24.3	8.78	1.20	95.2	2.25	1.0735
26.6	8.02	1.64	92.1	3.06	1.3303
29.0	7.36	2.29	87.6	4.51	1.8787
31.8	6.71	3.17	81.5	6.12	2.1854
34.8	6.13	4.12	74.9	6.60	2.2008
38.0	5.61	4.79	70.2	4.67	1.4593

Mercury Injection Capillary Pressure

Youngren H-2H : 2,621.60 feet

File 002-518

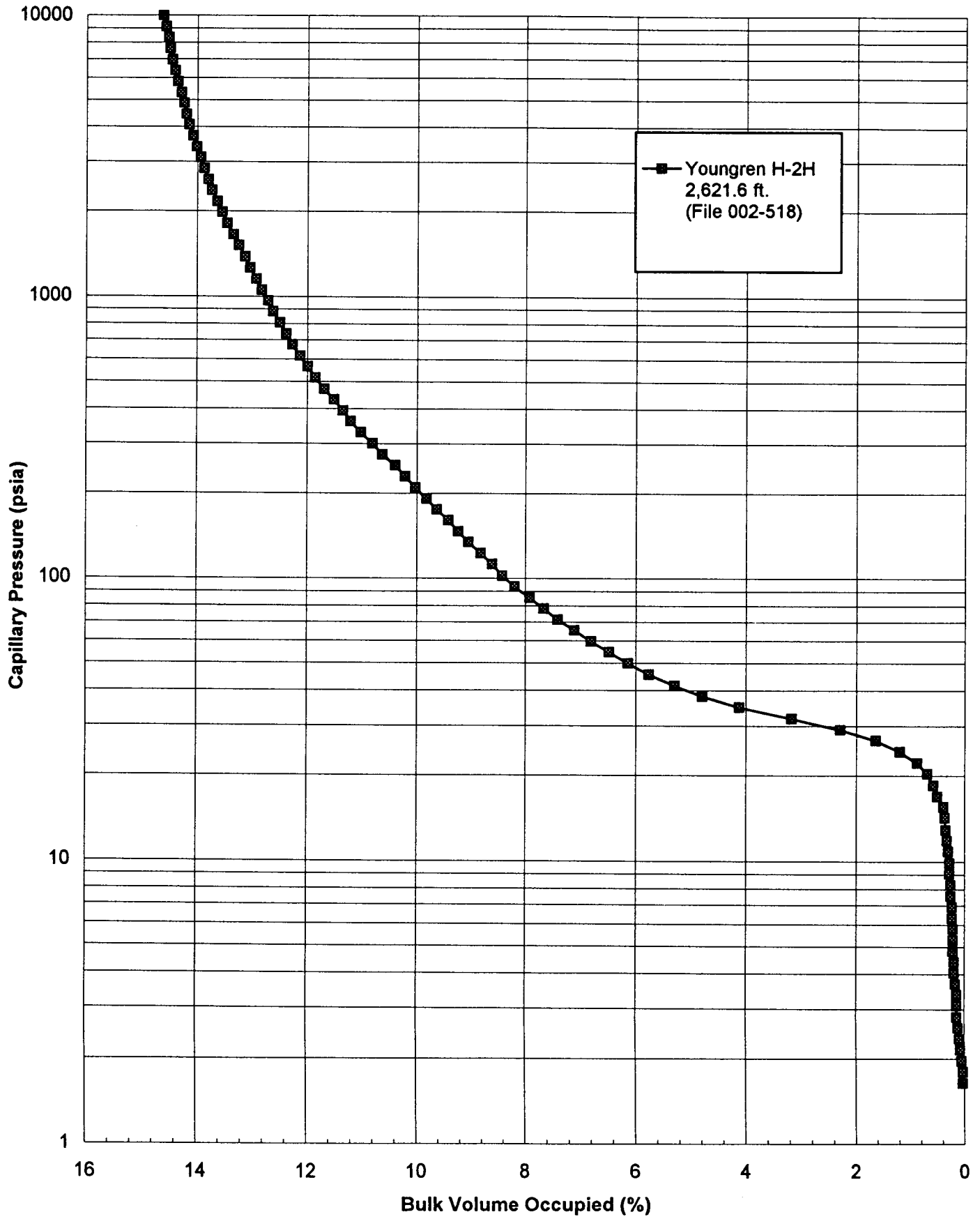
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	5.30	66.7	3.54	0.9841
45.5	4.69	5.76	63.4	3.22	0.8258
49.8	4.28	6.14	60.9	2.58	0.5992
54.5	3.91	6.48	58.5	2.42	0.5139
59.6	3.58	6.81	56.2	2.25	0.4420
65.2	3.27	7.11	54.1	2.09	0.3738
71.3	2.99	7.41	52.0	2.09	0.3432
78.0	2.73	7.66	50.2	1.77	0.2644
85.3	2.50	7.92	48.5	1.77	0.2426
93.4	2.28	8.20	46.5	1.93	0.2386
102	2.09	8.43	44.9	1.61	0.1872
112	1.90	8.61	43.6	1.29	0.1288
122	1.75	8.82	42.2	1.45	0.1449
134	1.59	9.05	40.6	1.61	0.1342
146	1.46	9.24	39.3	1.29	0.1074
160	1.33	9.42	38.0	1.29	0.0920
175	1.22	9.63	36.6	1.45	0.0966
191	1.12	9.82	35.3	1.29	0.0805
209	1.02	10.02	33.8	1.45	0.0805
229	0.932	10.21	32.5	1.29	0.0644
251	0.850	10.40	31.2	1.29	0.0586
274	0.779	10.63	29.6	1.61	0.0700
300	0.711	10.81	28.3	1.29	0.0495
328	0.650	11.02	26.9	1.45	0.0518
359	0.594	11.21	25.6	1.29	0.0416
393	0.543	11.34	24.6	0.97	0.0284
430	0.496	11.51	23.5	1.13	0.0305
470	0.454	11.69	22.2	1.29	0.0322
514	0.415	11.85	21.1	1.13	0.0256
563	0.379	11.99	20.1	0.97	0.0197
615	0.347	12.13	19.2	0.97	0.0186
673	0.317	12.27	18.2	0.97	0.0167
736	0.290	12.39	17.4	0.81	0.0128
806	0.265	12.50	16.6	0.81	0.0115
881	0.242	12.62	15.8	0.81	0.0107
964	0.221	12.71	15.1	0.64	0.0078
1050	0.203	12.83	14.3	0.81	0.0094
1150	0.186	12.92	13.7	0.64	0.0064
1260	0.169	13.03	12.9	0.81	0.0073
1380	0.155	13.13	12.2	0.64	0.0054
1510	0.141	13.24	11.4	0.81	0.0062
1650	0.129	13.34	10.8	0.64	0.0046

Mercury Injection Capillary Pressure

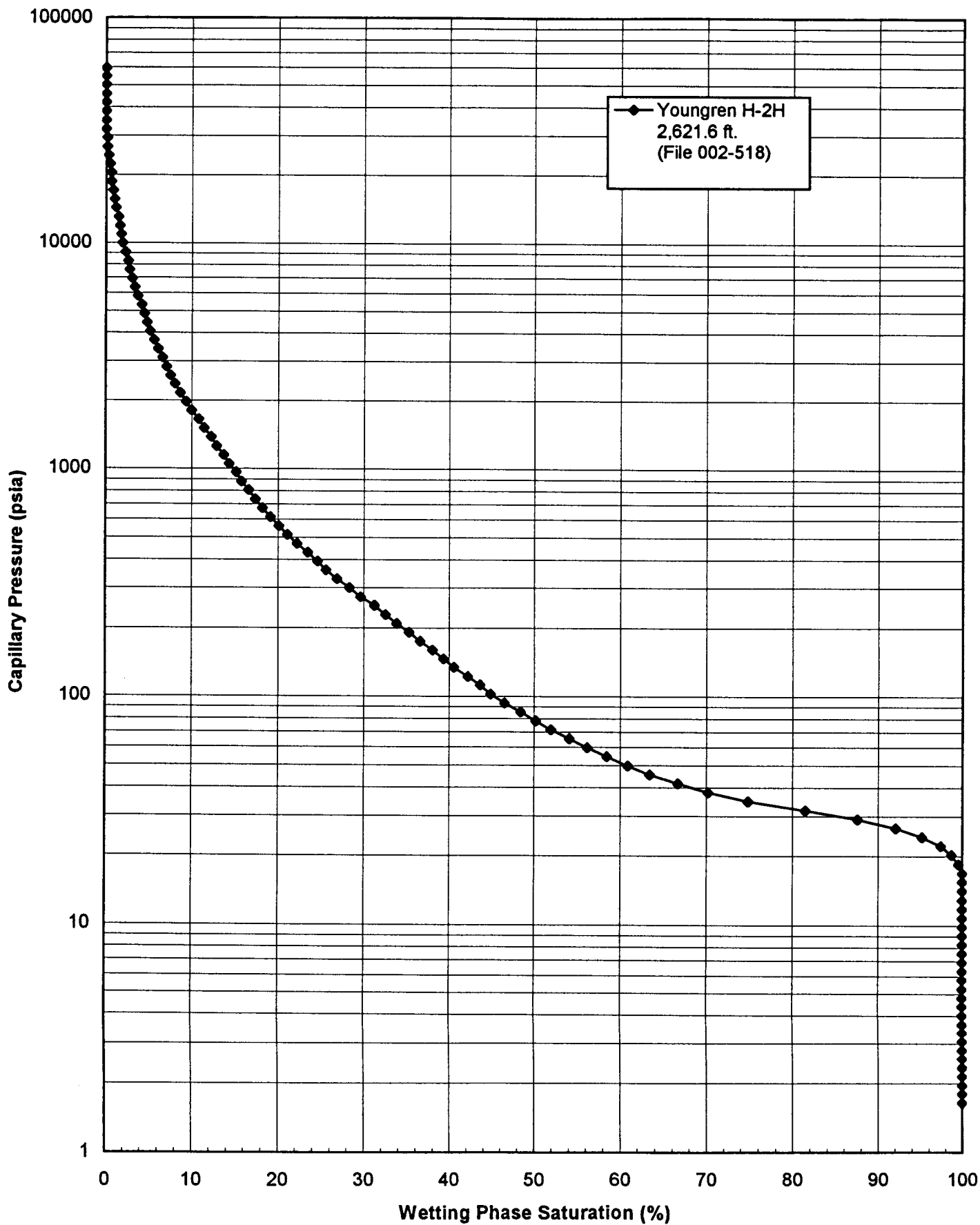
Youngren H-2H : 2,621.60 feet
File 002-518

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	13.45	10.0	0.81	0.0050
1980	0.1077	13.54	9.3	0.64	0.0038
2160	0.0988	13.64	8.7	0.64	0.0036
2370	0.0900	13.73	8.1	0.64	0.0031
2590	0.0824	13.80	7.6	0.48	0.0022
2830	0.0754	13.87	7.1	0.48	0.0020
3100	0.0688	13.94	6.6	0.48	0.0018
3390	0.0629	14.01	6.1	0.48	0.0017
3710	0.0575	14.08	5.6	0.48	0.0015
4060	0.0525	14.15	5.2	0.48	0.0014
4440	0.0480	14.19	4.8	0.32	0.0008
4850	0.0440	14.24	4.5	0.32	0.0008
5310	0.0402	14.28	4.2	0.32	0.0007
5810	0.0367	14.35	3.7	0.48	0.0010
6360	0.0335	14.40	3.4	0.32	0.0006
6950	0.0307	14.45	3.1	0.32	0.0005
7610	0.0280	14.49	2.7	0.32	0.0005
8320	0.0256	14.52	2.6	0.16	0.0002
9100	0.0234	14.56	2.3	0.32	0.0004
9960	0.0214	14.61	1.9	0.32	0.0004
10900	0.0196	14.63	1.8	0.16	0.0002
11900	0.0179	14.66	1.6	0.16	0.0002
13000	0.0164	14.68	1.4	0.16	0.0001
14300	0.0149	14.72	1.1	0.32	0.0002
15600	0.0137	14.75	1.0	0.16	0.0001
17100	0.0125	14.77	0.8	0.16	0.0001
18700	0.0114	14.79	0.6	0.16	0.0001
20400	0.0105	14.79	0.6	0.00	0.0000
22300	0.0096	14.82	0.5	0.16	0.0001
24400	0.0087	14.84	0.3	0.16	0.0001
26700	0.0080	14.86	0.2	0.16	0.0001
29300	0.0073	14.86	0.2	0.00	0.0000
32000	0.0067	14.89	0.0	0.16	0.0001
35000	0.0061	14.89	0.0	0.00	0.0000
38300	0.0056	14.89	0.0	0.00	0.0000
41900	0.0051	14.89	0.0	0.00	0.0000
45800	0.0047	14.89	0.0	0.00	0.0000
50100	0.0043	14.89	0.0	0.00	0.0000
54800	0.0039	14.89	0.0	0.00	0.0000
59500	0.0036	14.89	0.0	0.00	0.0000

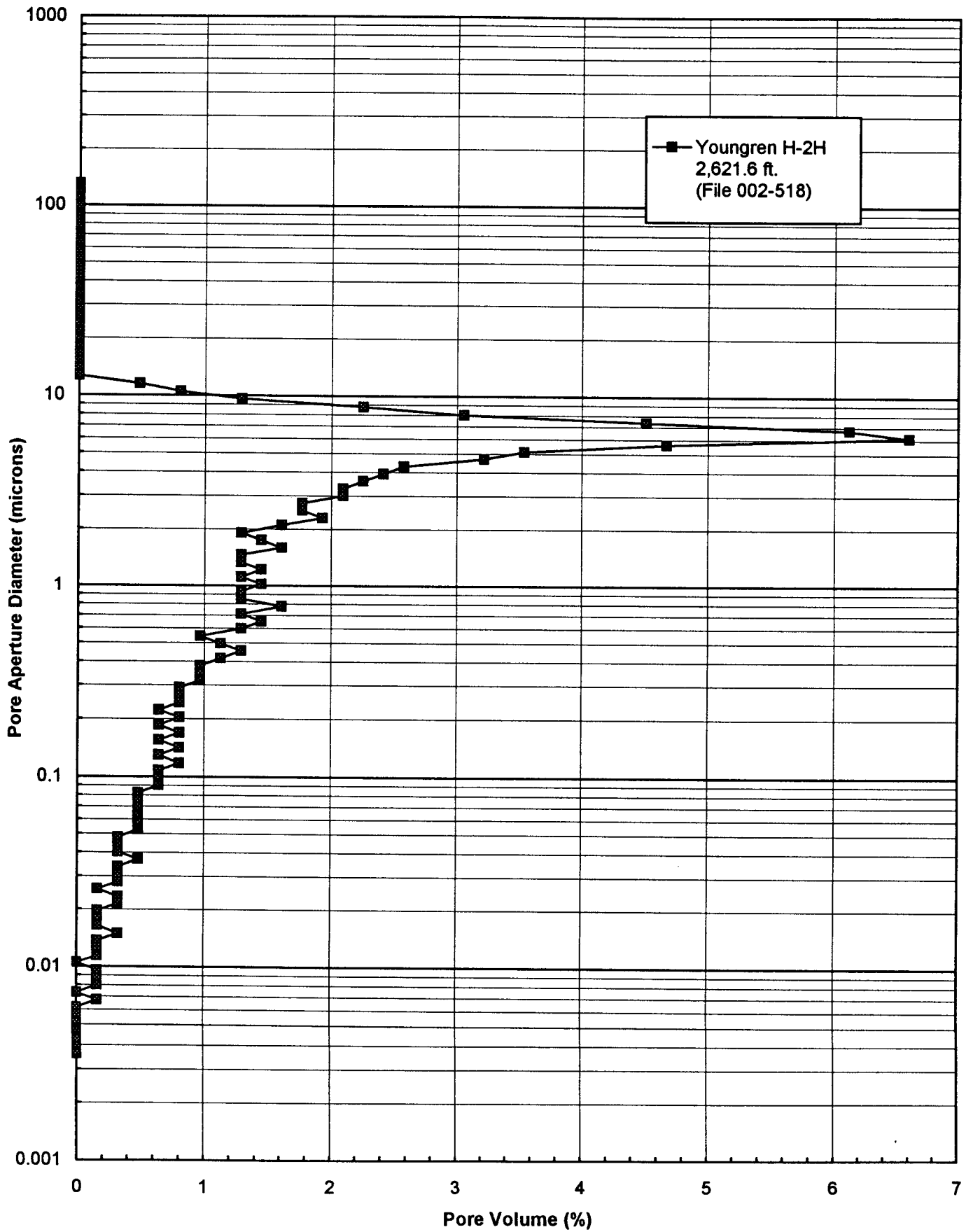
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,623.7 feet

File 002-533

Sample Information	
Bulk Volume = 10.9109 cc	Porosity = 16.6% (mercury)
Pore Volume = 1.8135 cc	Permeability = 9.05 md (mercury)
Closure = 0.50%BV @ 20.3 psia	Median Pore Aperture = 2.288 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	0.05	100.0	0.00	0.0000
1.96	109	0.07	100.0	0.00	0.0000
2.15	99.2	0.11	100.0	0.00	0.0000
2.35	90.8	0.16	100.0	0.00	0.0000
2.57	83.0	0.18	100.0	0.00	0.0000
2.81	75.9	0.23	100.0	0.00	0.0000
3.08	69.3	0.23	100.0	0.00	0.0000
3.37	63.3	0.25	100.0	0.00	0.0000
3.68	58.0	0.25	100.0	0.00	0.0000
4.03	52.9	0.27	100.0	0.00	0.0000
4.41	48.4	0.30	100.0	0.00	0.0000
4.82	44.3	0.30	100.0	0.00	0.0000
5.27	40.5	0.30	100.0	0.00	0.0000
5.77	37.0	0.32	100.0	0.00	0.0000
6.31	33.8	0.32	100.0	0.00	0.0000
6.90	30.9	0.34	100.0	0.00	0.0000
7.55	28.3	0.34	100.0	0.00	0.0000
8.26	25.8	0.34	100.0	0.00	0.0000
9.04	23.6	0.36	100.0	0.00	0.0000
9.89	21.6	0.36	100.0	0.00	0.0000
10.8	19.8	0.36	100.0	0.00	0.0000
11.8	18.1	0.39	100.0	0.00	0.0000
12.9	16.5	0.39	100.0	0.00	0.0000
14.2	15.0	0.39	100.0	0.00	0.0000
15.5	13.8	0.41	100.0	0.00	0.0000
16.9	12.6	0.43	100.0	0.00	0.0000
18.5	11.5	0.45	100.0	0.00	0.0000
20.3	10.5	0.50	100.0	0.00	0.0000
22.2	9.61	0.52	99.9	0.14	0.0719
24.3	8.78	0.57	99.6	0.27	0.1301
26.6	8.02	0.64	99.2	0.41	0.1782
29.0	7.36	0.75	98.5	0.68	0.2846
31.8	6.71	0.93	97.4	1.09	0.3903
34.8	6.13	1.20	95.8	1.64	0.5464
38.0	5.61	1.84	91.9	3.83	1.1954

Mercury Injection Capillary Pressure

Youngren H-2H : 2,623.7 feet
File 002-533

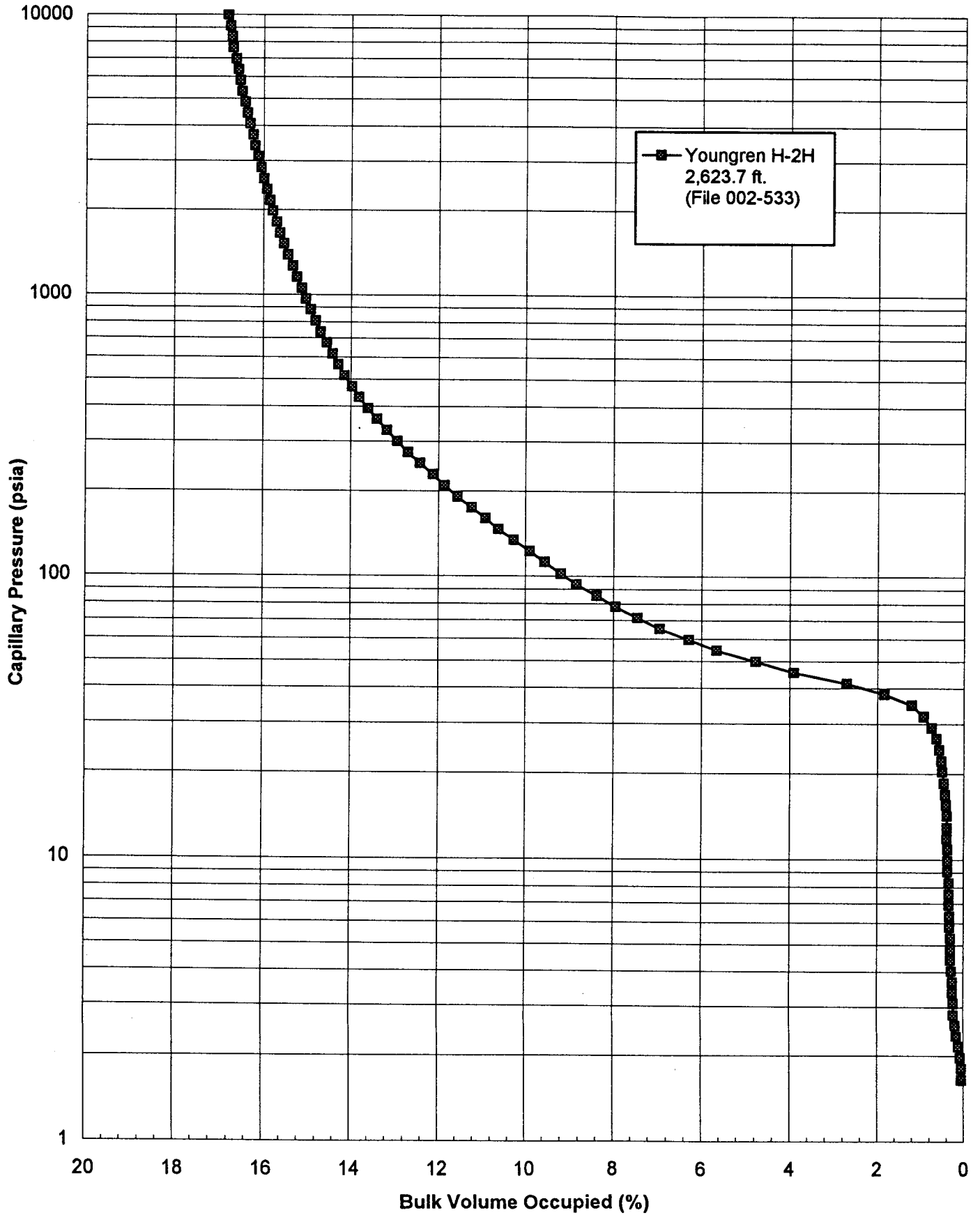
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	2.70	86.7	5.19	1.4420
45.5	4.69	3.91	79.5	7.24	1.8565
49.8	4.28	4.77	74.3	5.19	1.2073
54.5	3.91	5.65	69.0	5.33	1.1336
59.6	3.58	6.29	65.2	3.83	0.7500
65.2	3.27	6.95	61.2	3.96	0.7075
71.3	2.99	7.45	58.2	3.01	0.4927
78.0	2.73	7.95	55.2	3.01	0.4486
85.3	2.50	8.38	52.6	2.60	0.3556
93.4	2.28	8.83	49.9	2.73	0.3373
102	2.09	9.20	47.7	2.19	0.2542
112	1.90	9.56	45.5	2.19	0.2186
122	1.75	9.90	43.4	2.05	0.2049
134	1.59	10.26	41.3	2.19	0.1821
146	1.46	10.63	39.1	2.19	0.1821
160	1.33	10.92	37.3	1.78	0.1269
175	1.22	11.24	35.4	1.91	0.1275
191	1.12	11.56	33.5	1.91	0.1195
209	1.02	11.85	31.7	1.78	0.0987
229	0.932	12.13	30.1	1.64	0.0820
251	0.850	12.42	28.3	1.78	0.0807
274	0.779	12.69	26.6	1.64	0.0713
300	0.711	12.94	25.1	1.50	0.0578
328	0.650	13.17	23.8	1.37	0.0488
359	0.594	13.40	22.4	1.37	0.0441
393	0.543	13.60	21.2	1.23	0.0362
430	0.496	13.81	19.9	1.23	0.0332
470	0.454	13.96	19.0	0.96	0.0239
514	0.415	14.15	17.9	1.09	0.0248
563	0.379	14.28	17.1	0.82	0.0167
615	0.347	14.42	16.3	0.82	0.0158
673	0.317	14.55	15.4	0.82	0.0141
736	0.290	14.69	14.6	0.82	0.0130
806	0.265	14.80	13.9	0.68	0.0098
881	0.242	14.92	13.3	0.68	0.0091
964	0.221	15.03	12.6	0.68	0.0082
1050	0.203	15.12	12.0	0.55	0.0064
1150	0.186	15.24	11.3	0.68	0.0068
1260	0.169	15.33	10.8	0.55	0.0050
1380	0.155	15.44	10.1	0.68	0.0057
1510	0.141	15.53	9.6	0.55	0.0042
1650	0.129	15.62	9.0	0.55	0.0039

Mercury Injection Capillary Pressure

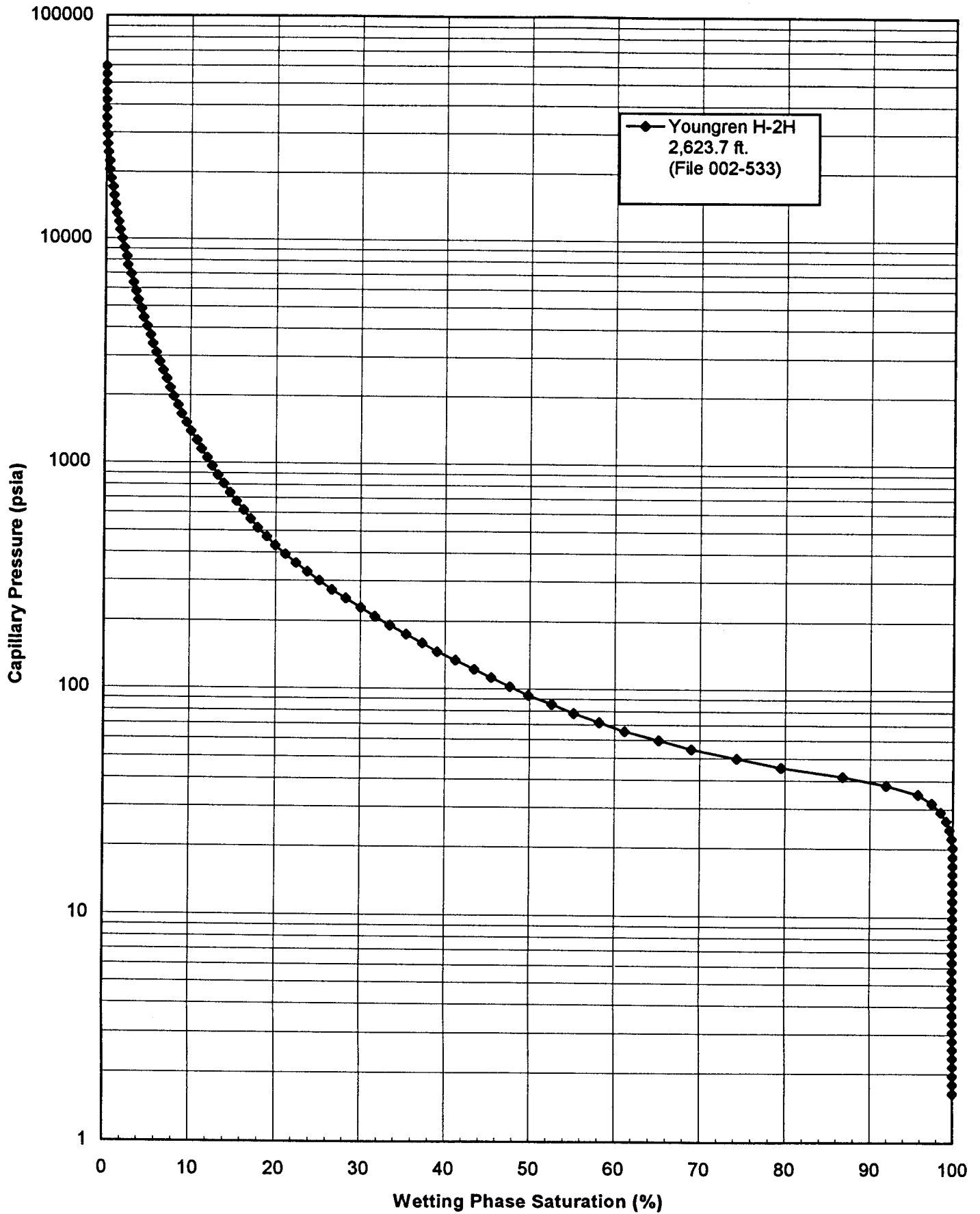
Youngren H-2H : 2,623.7 feet
File 002-533

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	15.69	8.6	0.41	0.0026
1980	0.1077	15.78	8.1	0.55	0.0032
2160	0.0988	15.85	7.7	0.41	0.0023
2370	0.0900	15.92	7.2	0.41	0.0020
2590	0.0824	15.99	6.8	0.41	0.0019
2830	0.0754	16.05	6.4	0.41	0.0017
3100	0.0688	16.12	6.0	0.41	0.0015
3390	0.0629	16.19	5.6	0.41	0.0014
3710	0.0575	16.24	5.3	0.27	0.0009
4060	0.0525	16.30	4.9	0.41	0.0012
4440	0.0480	16.37	4.5	0.41	0.0011
4850	0.0440	16.42	4.2	0.27	0.0007
5310	0.0402	16.49	3.8	0.41	0.0009
5810	0.0367	16.53	3.6	0.27	0.0005
6360	0.0335	16.58	3.3	0.27	0.0005
6950	0.0307	16.62	3.0	0.27	0.0005
7610	0.0280	16.69	2.6	0.41	0.0006
8320	0.0256	16.71	2.5	0.14	0.0002
9100	0.0234	16.76	2.2	0.27	0.0004
9960	0.0214	16.80	1.9	0.27	0.0003
10900	0.0196	16.85	1.6	0.27	0.0003
11900	0.0179	16.87	1.5	0.14	0.0001
13000	0.0164	16.92	1.2	0.27	0.0002
14300	0.0149	16.94	1.1	0.14	0.0001
15600	0.0137	16.96	1.0	0.14	0.0001
17100	0.0125	16.98	0.8	0.14	0.0001
18700	0.0114	17.03	0.5	0.27	0.0002
20400	0.0105	17.05	0.4	0.14	0.0001
22300	0.0096	17.05	0.4	0.00	0.0000
24400	0.0087	17.08	0.3	0.14	0.0001
26700	0.0080	17.10	0.1	0.14	0.0001
29300	0.0073	17.10	0.1	0.00	0.0000
32000	0.0067	17.12	0.0	0.14	0.0001
35000	0.0061	17.12	0.0	0.00	0.0000
38300	0.0056	17.12	0.0	0.00	0.0000
41900	0.0051	17.12	0.0	0.00	0.0000
45800	0.0047	17.12	0.0	0.00	0.0000
50100	0.0043	17.12	0.0	0.00	0.0000
54800	0.0039	17.12	0.0	0.00	0.0000
59500	0.0036	17.12	0.0	0.00	0.0000

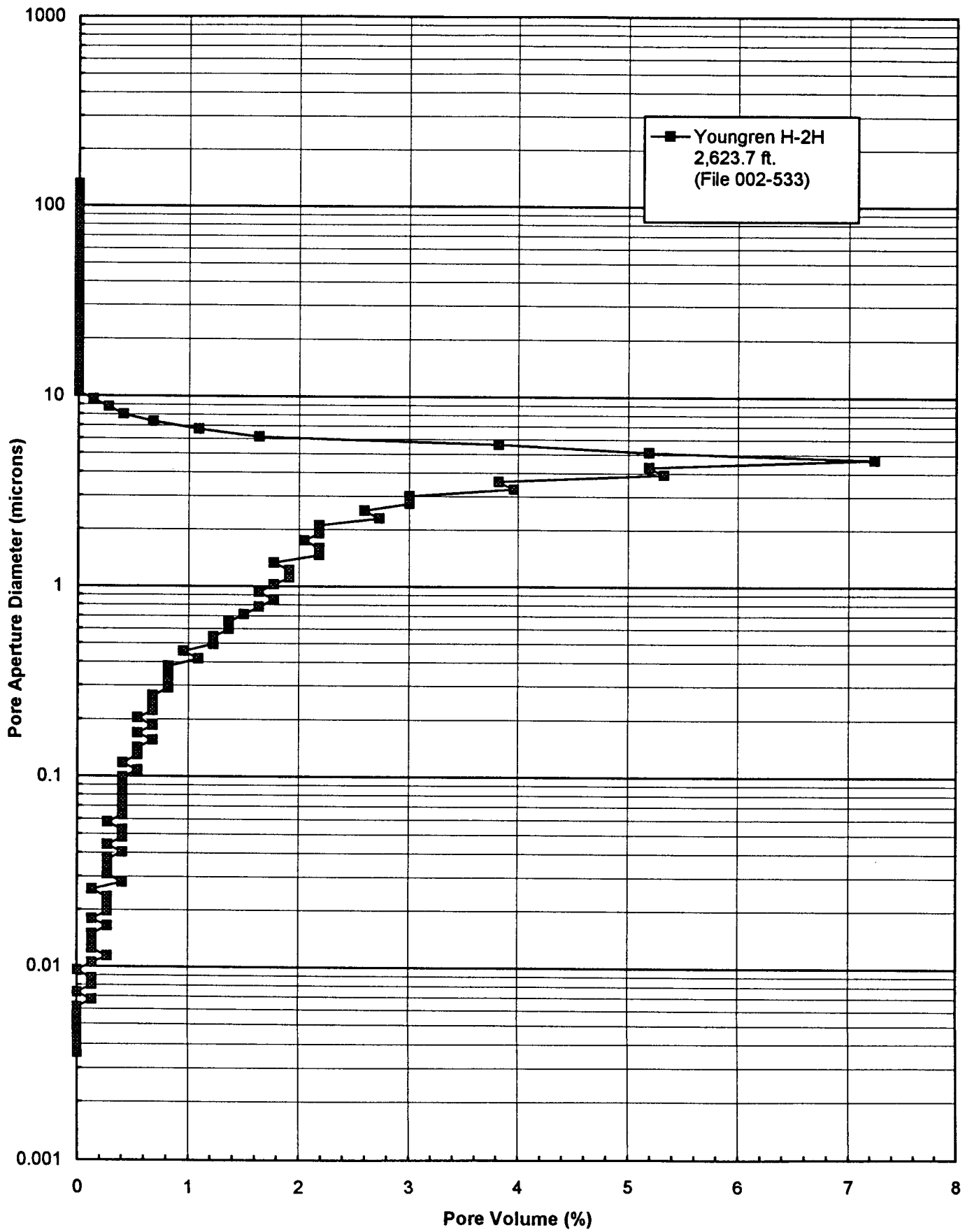
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,629.1 feet
File 002-527

Sample Information

Bulk Volume = 9.2474 cc
Pore Volume = 1.2538 cc
Closure = 0.31%BV @ 49.8 psia

Porosity = 13.6% (mercury)
Permeability = 0.8755 md (mercury)
Median Pore Aperture = 0.7430 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	0.05	100.0	0.00	0.0000
2.81	75.9	0.07	100.0	0.00	0.0000
3.08	69.3	0.07	100.0	0.00	0.0000
3.37	63.3	0.07	100.0	0.00	0.0000
3.68	58.0	0.07	100.0	0.00	0.0000
4.03	52.9	0.07	100.0	0.00	0.0000
4.41	48.4	0.07	100.0	0.00	0.0000
4.82	44.3	0.07	100.0	0.00	0.0000
5.27	40.5	0.10	100.0	0.00	0.0000
5.77	37.0	0.10	100.0	0.00	0.0000
6.31	33.8	0.10	100.0	0.00	0.0000
6.90	30.9	0.10	100.0	0.00	0.0000
7.55	28.3	0.10	100.0	0.00	0.0000
8.26	25.8	0.10	100.0	0.00	0.0000
9.04	23.6	0.10	100.0	0.00	0.0000
9.89	21.6	0.12	100.0	0.00	0.0000
10.8	19.8	0.12	100.0	0.00	0.0000
11.8	18.1	0.12	100.0	0.00	0.0000
12.9	16.5	0.12	100.0	0.00	0.0000
14.2	15.0	0.12	100.0	0.00	0.0000
15.5	13.8	0.14	100.0	0.00	0.0000
16.9	12.6	0.14	100.0	0.00	0.0000
18.5	11.5	0.14	100.0	0.00	0.0000
20.3	10.5	0.14	100.0	0.00	0.0000
22.2	9.61	0.17	100.0	0.00	0.0000
24.3	8.78	0.17	100.0	0.00	0.0000
26.6	8.02	0.17	100.0	0.00	0.0000
29.0	7.36	0.19	100.0	0.00	0.0000
31.8	6.71	0.19	100.0	0.00	0.0000
34.8	6.13	0.19	100.0	0.00	0.0000
38.0	5.61	0.21	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,629.1 feet
File 002-527

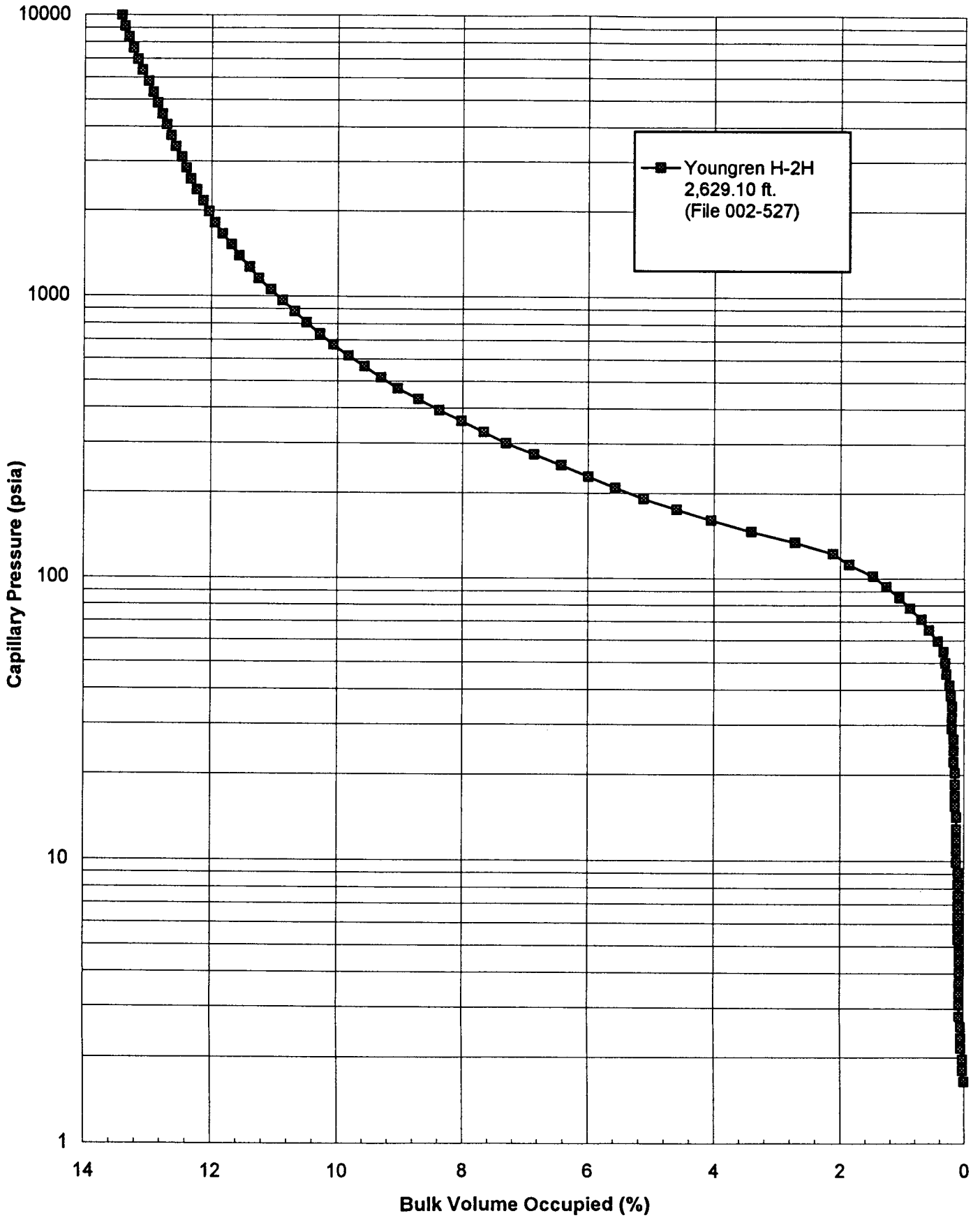
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.24	100.0	0.00	0.0000
45.5	4.69	0.29	100.0	0.00	0.0000
49.8	4.28	0.31	100.0	0.00	0.0000
54.5	3.91	0.33	99.8	0.18	0.0373
59.6	3.58	0.43	99.1	0.70	0.1376
65.2	3.27	0.57	98.1	1.05	0.1880
71.3	2.99	0.69	97.2	0.88	0.1438
78.0	2.73	0.88	95.8	1.40	0.2095
85.3	2.50	1.05	94.6	1.23	0.1682
93.4	2.28	1.26	93.0	1.58	0.1949
102	2.09	1.47	91.4	1.58	0.1836
112	1.90	1.86	88.6	2.81	0.2807
122	1.75	2.12	86.7	1.93	0.1930
134	1.59	2.71	82.3	4.39	0.3655
146	1.46	3.40	77.2	5.09	0.4240
160	1.33	4.04	72.5	4.74	0.3383
175	1.22	4.59	68.4	4.04	0.2690
191	1.12	5.11	64.6	3.86	0.2412
209	1.02	5.57	61.2	3.33	0.1852
229	0.932	5.99	58.1	3.16	0.1579
251	0.850	6.42	54.9	3.16	0.1435
274	0.779	6.85	51.8	3.16	0.1373
300	0.711	7.30	48.4	3.33	0.1282
328	0.650	7.66	45.8	2.63	0.0940
359	0.594	8.02	43.2	2.63	0.0849
393	0.543	8.37	40.5	2.63	0.0774
430	0.496	8.71	38.1	2.46	0.0664
470	0.454	9.04	35.6	2.46	0.0614
514	0.415	9.30	33.7	1.93	0.0439
563	0.379	9.56	31.8	1.93	0.0394
615	0.347	9.82	29.8	1.93	0.0371
673	0.317	10.06	28.1	1.75	0.0302
736	0.290	10.28	26.5	1.58	0.0251
806	0.265	10.49	24.9	1.58	0.0226
881	0.242	10.68	23.5	1.40	0.0187
964	0.221	10.87	22.1	1.40	0.0169
1050	0.203	11.06	20.7	1.40	0.0163
1150	0.186	11.25	19.3	1.40	0.0140
1260	0.169	11.39	18.2	1.05	0.0096
1380	0.155	11.56	17.0	1.23	0.0102
1510	0.141	11.68	16.1	0.88	0.0067
1650	0.129	11.82	15.1	1.05	0.0075

Mercury Injection Capillary Pressure

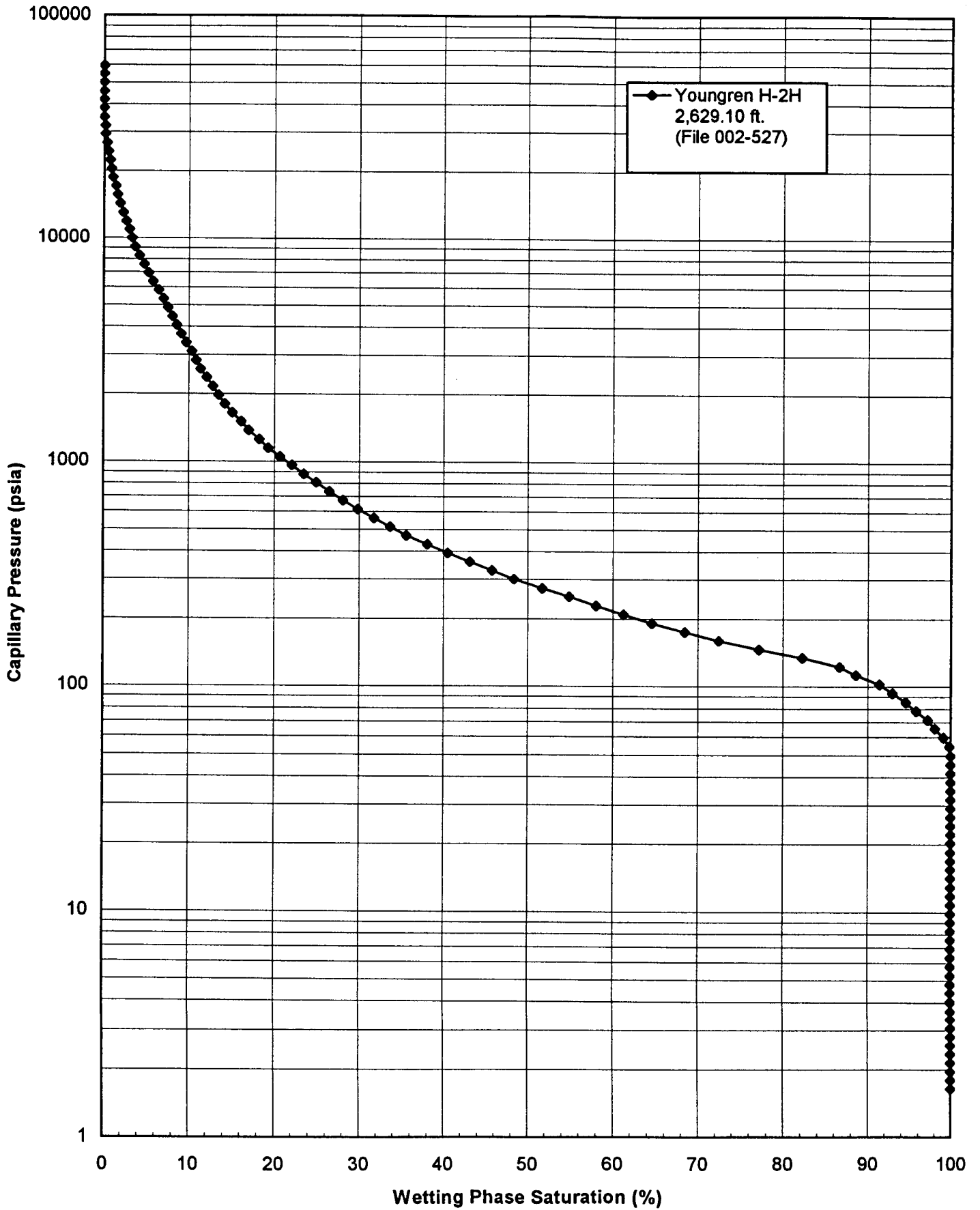
Youngren H-2H : 2,629.1 feet
File 002-527

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	11.94	14.2	0.88	0.0055
1980	0.1077	12.04	13.5	0.70	0.0041
2160	0.0988	12.13	12.8	0.70	0.0039
2370	0.0900	12.23	12.1	0.70	0.0033
2590	0.0824	12.32	11.4	0.70	0.0032
2830	0.0754	12.39	10.9	0.53	0.0022
3100	0.0688	12.46	10.4	0.53	0.0019
3390	0.0629	12.56	9.6	0.70	0.0024
3710	0.0575	12.63	9.1	0.53	0.0016
4060	0.0525	12.70	8.6	0.53	0.0015
4440	0.0480	12.77	8.1	0.53	0.0014
4850	0.0440	12.84	7.5	0.53	0.0013
5310	0.0402	12.92	7.0	0.53	0.0011
5810	0.0367	12.99	6.5	0.53	0.0011
6360	0.0335	13.08	5.8	0.70	0.0013
6950	0.0307	13.15	5.3	0.53	0.0009
7610	0.0280	13.23	4.7	0.53	0.0008
8320	0.0256	13.30	4.2	0.53	0.0007
9100	0.0234	13.37	3.7	0.53	0.0007
9960	0.0214	13.42	3.3	0.35	0.0004
10900	0.0196	13.46	3.0	0.35	0.0004
11900	0.0179	13.51	2.6	0.35	0.0004
13000	0.0164	13.56	2.3	0.35	0.0003
14300	0.0149	13.61	1.9	0.35	0.0003
15600	0.0137	13.65	1.6	0.35	0.0003
17100	0.0125	13.68	1.4	0.18	0.0001
18700	0.0114	13.72	1.1	0.35	0.0002
20400	0.0105	13.75	0.9	0.18	0.0001
22300	0.0096	13.77	0.7	0.18	0.0001
24400	0.0087	13.80	0.5	0.18	0.0001
26700	0.0080	13.82	0.4	0.18	0.0001
29300	0.0073	13.84	0.2	0.18	0.0001
32000	0.0067	13.84	0.2	0.00	0.0000
35000	0.0061	13.87	0.0	0.18	0.0001
38300	0.0056	13.87	0.0	0.00	0.0000
41900	0.0051	13.87	0.0	0.00	0.0000
45800	0.0047	13.87	0.0	0.00	0.0000
50100	0.0043	13.87	0.0	0.00	0.0000
54800	0.0039	13.87	0.0	0.00	0.0000
59500	0.0036	13.87	0.0	0.00	0.0000

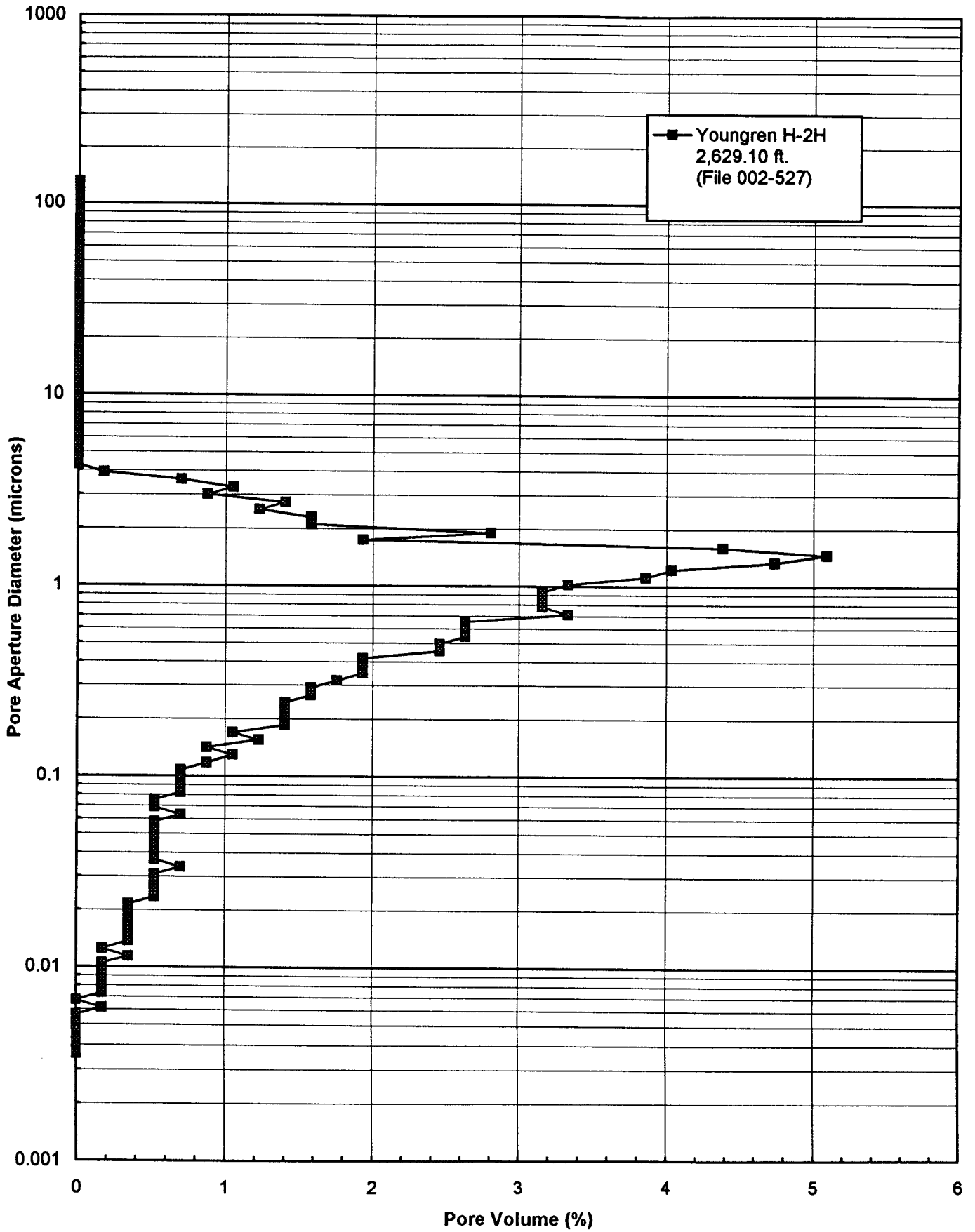
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,641.8 feet
File 002-528

Sample Information

Bulk Volume = 11.3024 cc
Pore Volume = 1.2089 cc
Closure = 0.31%BV @ 300 psia

Porosity = 10.7% (mercury)
Permeability = 0.0104 md (mercury)
Median Pore Aperture = 0.0719 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	0.02	100.0	0.00	0.0000
1.96	109	0.05	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	0.07	100.0	0.00	0.0000
3.37	63.3	0.07	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	0.10	100.0	0.00	0.0000
4.82	44.3	0.10	100.0	0.00	0.0000
5.27	40.5	0.10	100.0	0.00	0.0000
5.77	37.0	0.10	100.0	0.00	0.0000
6.31	33.8	0.10	100.0	0.00	0.0000
6.90	30.9	0.12	100.0	0.00	0.0000
7.55	28.3	0.12	100.0	0.00	0.0000
8.26	25.8	0.12	100.0	0.00	0.0000
9.04	23.6	0.12	100.0	0.00	0.0000
9.89	21.6	0.12	100.0	0.00	0.0000
10.8	19.8	0.12	100.0	0.00	0.0000
11.8	18.1	0.12	100.0	0.00	0.0000
12.9	16.5	0.12	100.0	0.00	0.0000
14.2	15.0	0.12	100.0	0.00	0.0000
15.5	13.8	0.12	100.0	0.00	0.0000
16.9	12.6	0.14	100.0	0.00	0.0000
18.5	11.5	0.14	100.0	0.00	0.0000
20.3	10.5	0.14	100.0	0.00	0.0000
22.2	9.61	0.14	100.0	0.00	0.0000
24.3	8.78	0.14	100.0	0.00	0.0000
26.6	8.02	0.14	100.0	0.00	0.0000
29.0	7.36	0.14	100.0	0.00	0.0000
31.8	6.71	0.14	100.0	0.00	0.0000
34.8	6.13	0.17	100.0	0.00	0.0000
38.0	5.61	0.17	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,641.8 feet
File 002-528

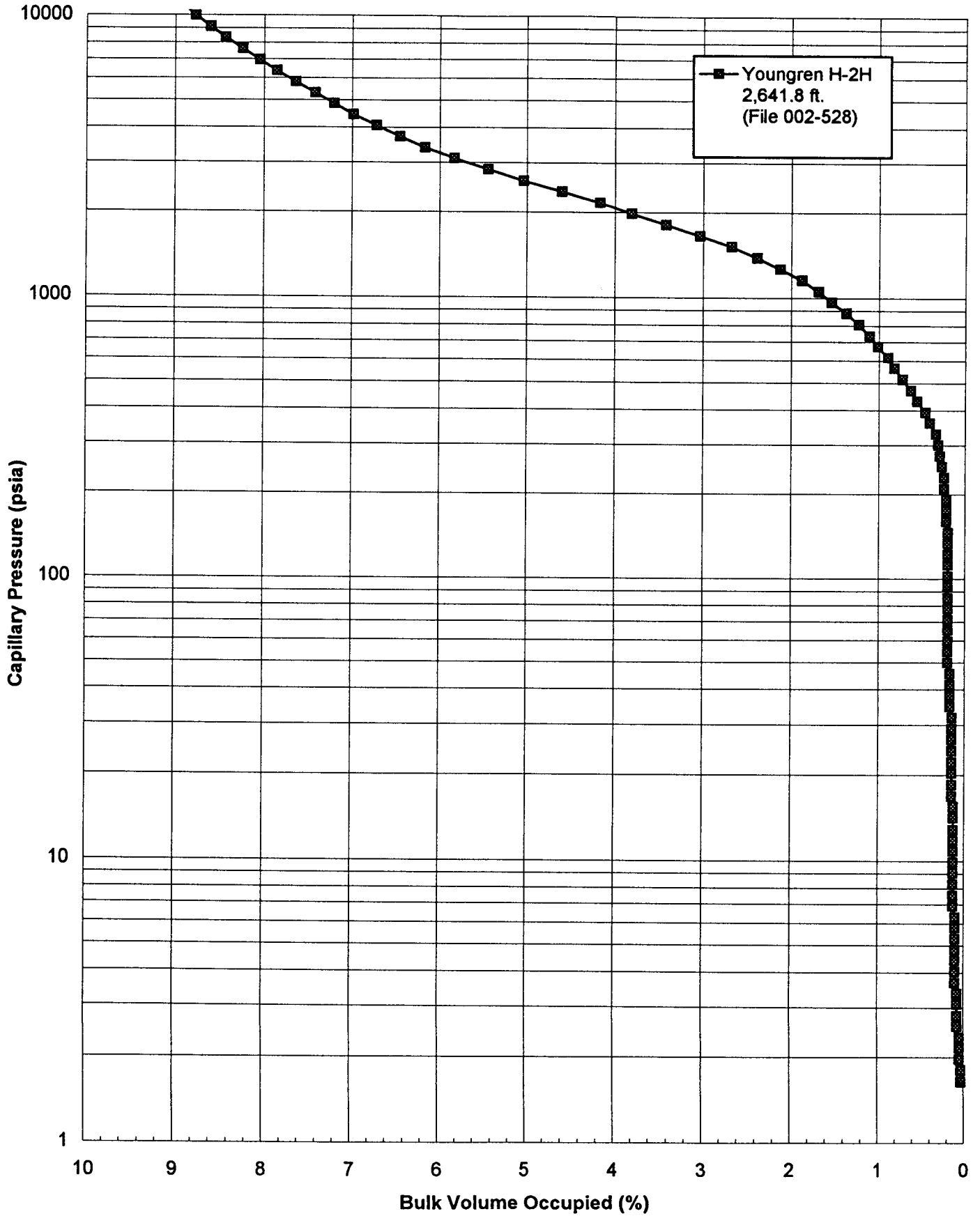
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.17	100.0	0.00	0.0000
45.5	4.69	0.17	100.0	0.00	0.0000
49.8	4.28	0.19	100.0	0.00	0.0000
54.5	3.91	0.19	100.0	0.00	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	0.19	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	0.19	100.0	0.00	0.0000
134	1.59	0.19	100.0	0.00	0.0000
146	1.46	0.19	100.0	0.00	0.0000
160	1.33	0.22	100.0	0.00	0.0000
175	1.22	0.22	100.0	0.00	0.0000
191	1.12	0.22	100.0	0.00	0.0000
209	1.02	0.24	100.0	0.00	0.0000
229	0.932	0.24	100.0	0.00	0.0000
251	0.850	0.26	100.0	0.00	0.0000
274	0.779	0.29	100.0	0.00	0.0000
300	0.711	0.31	100.0	0.00	0.0000
328	0.650	0.34	99.8	0.23	0.0081
359	0.594	0.41	99.1	0.68	0.0218
393	0.543	0.46	98.6	0.45	0.0133
430	0.496	0.55	97.7	0.90	0.0244
470	0.454	0.63	97.1	0.68	0.0169
514	0.415	0.72	96.2	0.90	0.0205
563	0.379	0.82	95.3	0.90	0.0184
615	0.347	0.89	94.6	0.68	0.0130
673	0.317	1.01	93.5	1.13	0.0195
736	0.290	1.11	92.6	0.90	0.0143
806	0.265	1.23	91.4	1.13	0.0161
881	0.242	1.37	90.1	1.35	0.0181
964	0.221	1.54	88.5	1.58	0.0190
1050	0.203	1.69	87.1	1.35	0.0157
1150	0.186	1.88	85.3	1.81	0.0181
1260	0.169	2.12	83.1	2.26	0.0205
1380	0.155	2.38	80.6	2.48	0.0207
1510	0.141	2.67	77.9	2.71	0.0208
1650	0.129	3.04	74.5	3.39	0.0242

Mercury Injection Capillary Pressure

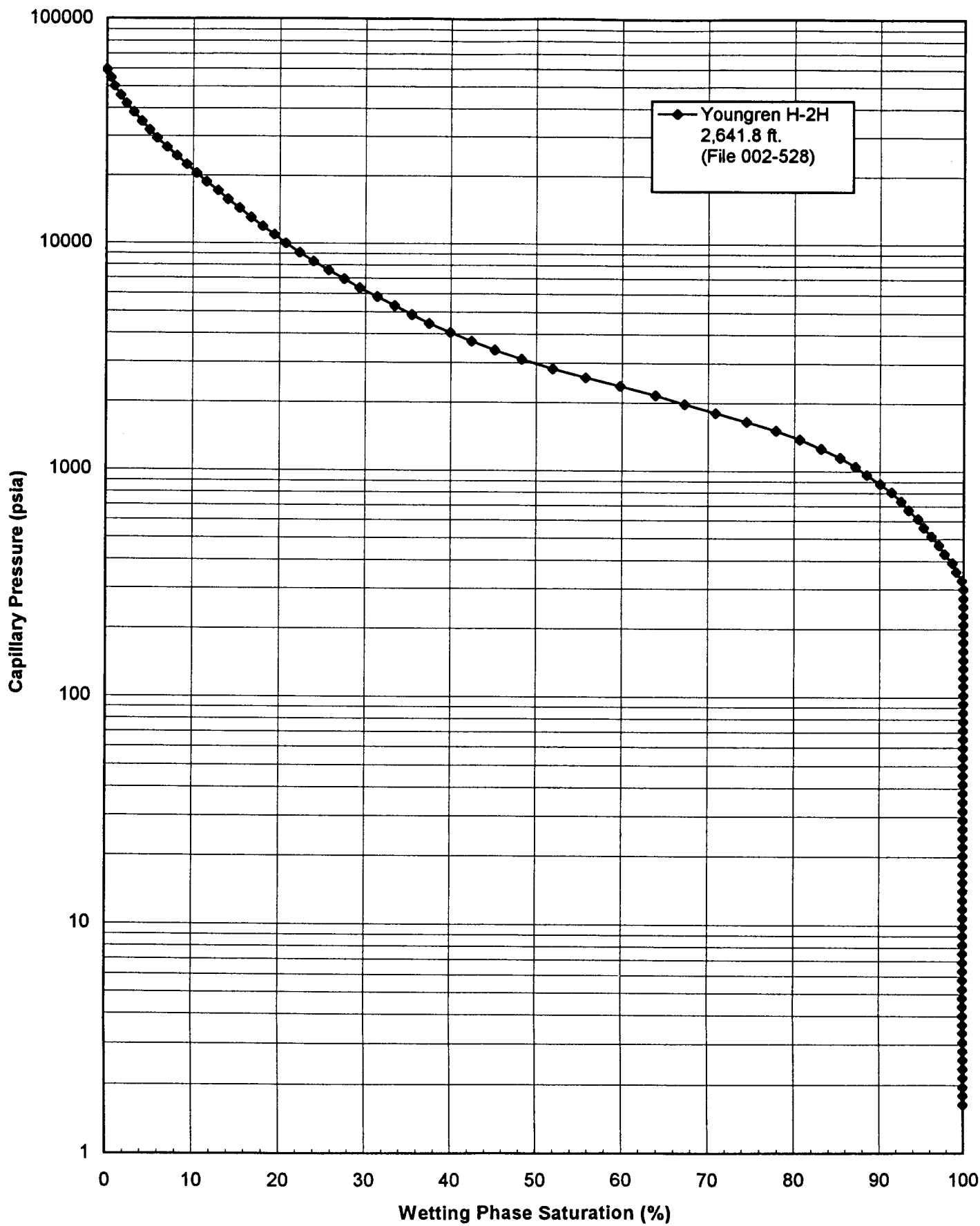
Youngren H-2H : 2,641.8 feet
File 002-528

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	3.42	70.9	3.61	0.0226
1980	0.1077	3.81	67.3	3.61	0.0212
2160	0.0988	4.17	63.9	3.39	0.0188
2370	0.0900	4.60	59.8	4.06	0.0193
2590	0.0824	5.03	55.8	4.06	0.0185
2830	0.0754	5.44	51.9	3.84	0.0160
3100	0.0688	5.83	48.3	3.61	0.0134
3390	0.0629	6.17	45.1	3.16	0.0109
3710	0.0575	6.46	42.4	2.71	0.0085
4060	0.0525	6.72	40.0	2.48	0.0071
4440	0.0480	6.99	37.5	2.48	0.0065
4850	0.0440	7.20	35.4	2.03	0.0050
5310	0.0402	7.42	33.4	2.03	0.0044
5810	0.0367	7.64	31.4	2.03	0.0041
6360	0.0335	7.85	29.3	2.03	0.0037
6950	0.0307	8.05	27.5	1.81	0.0031
7610	0.0280	8.24	25.7	1.81	0.0027
8320	0.0256	8.43	23.9	1.81	0.0025
9100	0.0234	8.60	22.3	1.58	0.0020
9960	0.0214	8.77	20.8	1.58	0.0018
10900	0.0196	8.91	19.4	1.35	0.0014
11900	0.0179	9.06	18.1	1.35	0.0014
13000	0.0164	9.20	16.7	1.35	0.0012
14300	0.0149	9.35	15.3	1.35	0.0010
15600	0.0137	9.49	14.0	1.35	0.0010
17100	0.0125	9.61	12.9	1.13	0.0008
18700	0.0114	9.76	11.5	1.35	0.0008
20400	0.0105	9.88	10.4	1.13	0.0007
22300	0.0096	10.00	9.3	1.13	0.0006
24400	0.0087	10.12	8.1	1.13	0.0005
26700	0.0080	10.24	7.0	1.13	0.0005
29300	0.0073	10.36	5.9	1.13	0.0004
32000	0.0067	10.46	5.0	0.90	0.0003
35000	0.0061	10.55	4.1	0.90	0.0003
38300	0.0056	10.65	3.2	0.90	0.0003
41900	0.0051	10.74	2.3	0.90	0.0003
45800	0.0047	10.82	1.6	0.68	0.0002
50100	0.0043	10.89	0.9	0.68	0.0002
54800	0.0039	10.94	0.5	0.45	0.0001
59500	0.0036	10.99	0.0	0.45	0.0001

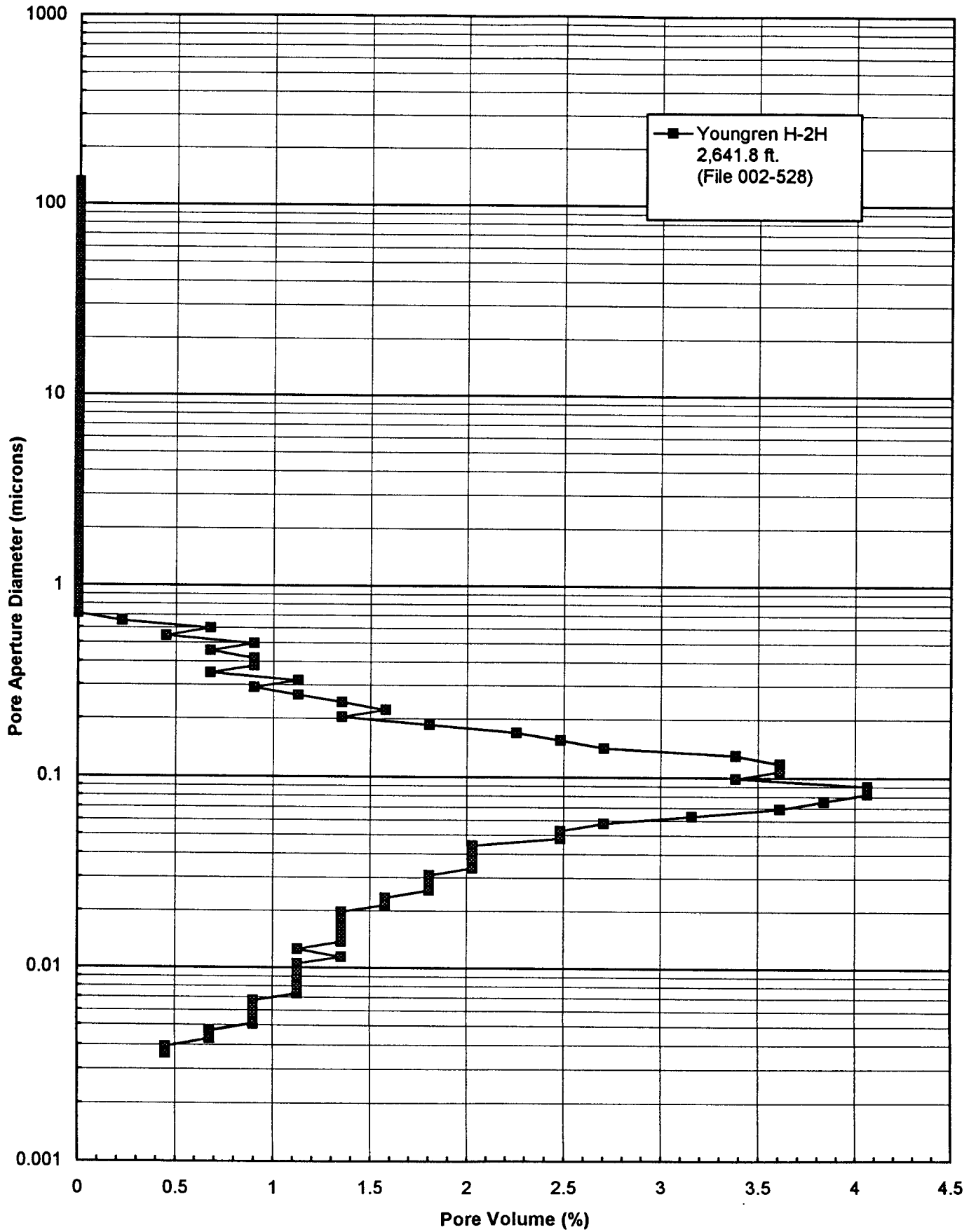
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,645.5 feet
File 002-529

Sample Information	
Bulk Volume = 11.4103 cc	Porosity = 13.3% (mercury)
Pore Volume = 1.5226 cc	Permeability = 0.132 md (mercury)
Closure = 0.47%BV @ 229 psia	Median Pore Aperture = 0.2219 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	0.05	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	0.12	100.0	0.00	0.0000
3.08	69.3	0.14	100.0	0.00	0.0000
3.37	63.3	0.14	100.0	0.00	0.0000
3.68	58.0	0.16	100.0	0.00	0.0000
4.03	52.9	0.16	100.0	0.00	0.0000
4.41	48.4	0.16	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	0.19	100.0	0.00	0.0000
6.90	30.9	0.19	100.0	0.00	0.0000
7.55	28.3	0.19	100.0	0.00	0.0000
8.26	25.8	0.21	100.0	0.00	0.0000
9.04	23.6	0.21	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	0.21	100.0	0.00	0.0000
12.9	16.5	0.23	100.0	0.00	0.0000
14.2	15.0	0.23	100.0	0.00	0.0000
15.5	13.8	0.23	100.0	0.00	0.0000
16.9	12.6	0.23	100.0	0.00	0.0000
18.5	11.5	0.26	100.0	0.00	0.0000
20.3	10.5	0.26	100.0	0.00	0.0000
22.2	9.61	0.26	100.0	0.00	0.0000
24.3	8.78	0.28	100.0	0.00	0.0000
26.6	8.02	0.28	100.0	0.00	0.0000
29.0	7.36	0.30	100.0	0.00	0.0000
31.8	6.71	0.30	100.0	0.00	0.0000
34.8	6.13	0.33	100.0	0.00	0.0000
38.0	5.61	0.33	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,645.5 feet
File 002-529

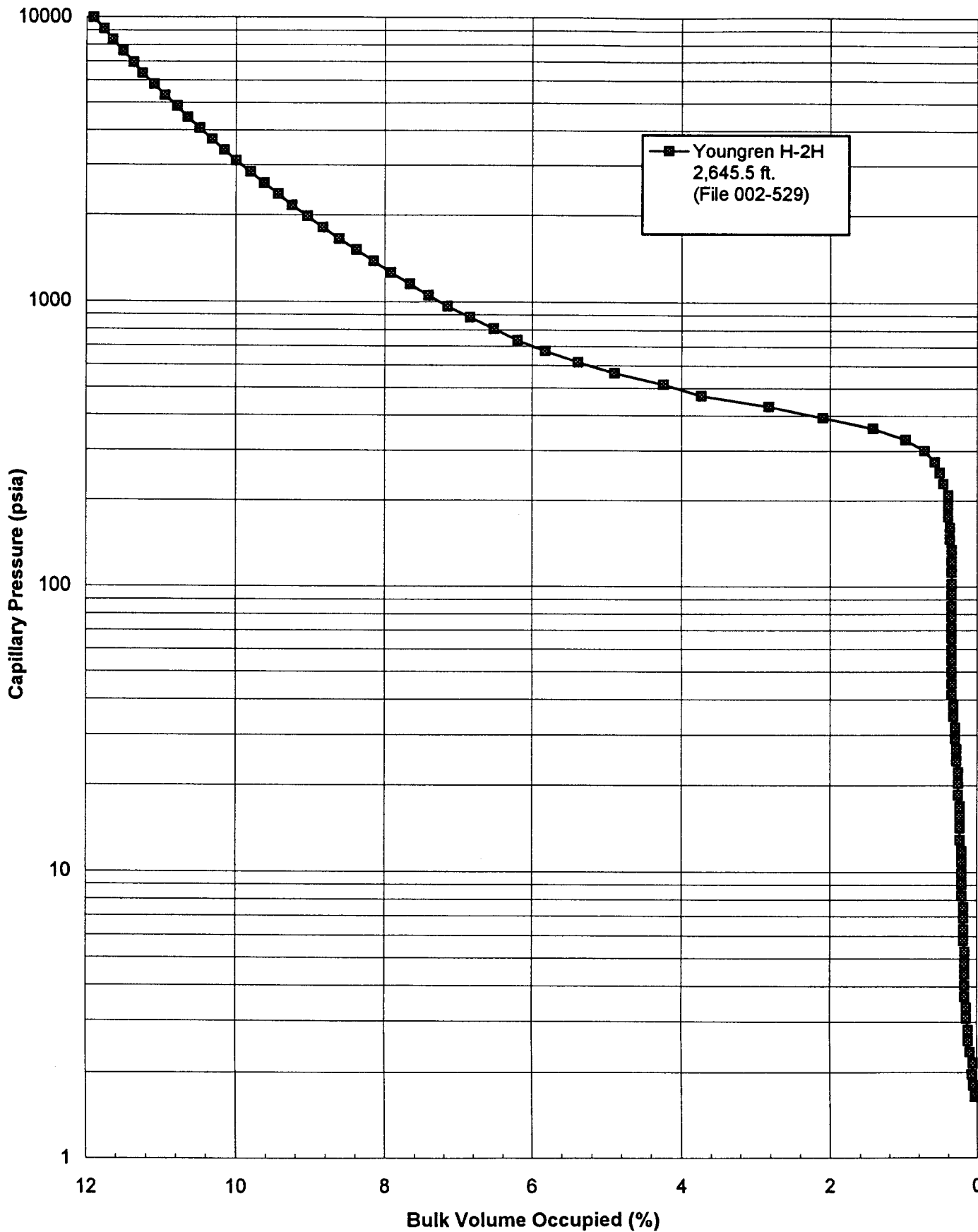
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.35	100.0	0.00	0.0000
45.5	4.69	0.35	100.0	0.00	0.0000
49.8	4.28	0.35	100.0	0.00	0.0000
54.5	3.91	0.35	100.0	0.00	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	0.35	100.0	0.00	0.0000
78.0	2.73	0.35	100.0	0.00	0.0000
85.3	2.50	0.35	100.0	0.00	0.0000
93.4	2.28	0.35	100.0	0.00	0.0000
102	2.09	0.35	100.0	0.00	0.0000
112	1.90	0.35	100.0	0.00	0.0000
122	1.75	0.35	100.0	0.00	0.0000
134	1.59	0.35	100.0	0.00	0.0000
146	1.46	0.37	100.0	0.00	0.0000
160	1.33	0.37	100.0	0.00	0.0000
175	1.22	0.40	100.0	0.00	0.0000
191	1.12	0.40	100.0	0.00	0.0000
209	1.02	0.40	100.0	0.00	0.0000
229	0.932	0.47	100.0	0.00	0.0000
251	0.850	0.51	99.7	0.35	0.0159
274	0.779	0.58	99.1	0.52	0.0228
300	0.711	0.72	98.1	1.05	0.0403
328	0.650	0.98	96.2	1.92	0.0686
359	0.594	1.42	92.8	3.32	0.1070
393	0.543	2.10	87.8	5.06	0.1489
430	0.496	2.82	82.4	5.41	0.1462
470	0.454	3.73	75.6	6.81	0.1702
514	0.415	4.24	71.7	3.84	0.0873
563	0.379	4.89	66.8	4.89	0.0997
615	0.347	5.38	63.2	3.66	0.0705
673	0.317	5.82	59.9	3.32	0.0572
736	0.290	6.19	57.1	2.79	0.0443
806	0.265	6.52	54.6	2.44	0.0349
881	0.242	6.85	52.2	2.44	0.0326
964	0.221	7.15	49.9	2.27	0.0273
1050	0.203	7.41	48.0	1.92	0.0223
1150	0.186	7.66	46.1	1.92	0.0192
1260	0.169	7.92	44.2	1.92	0.0175
1380	0.155	8.15	42.4	1.75	0.0145
1510	0.141	8.38	40.7	1.75	0.0134
1650	0.129	8.62	38.9	1.75	0.0125

Mercury Injection Capillary Pressure

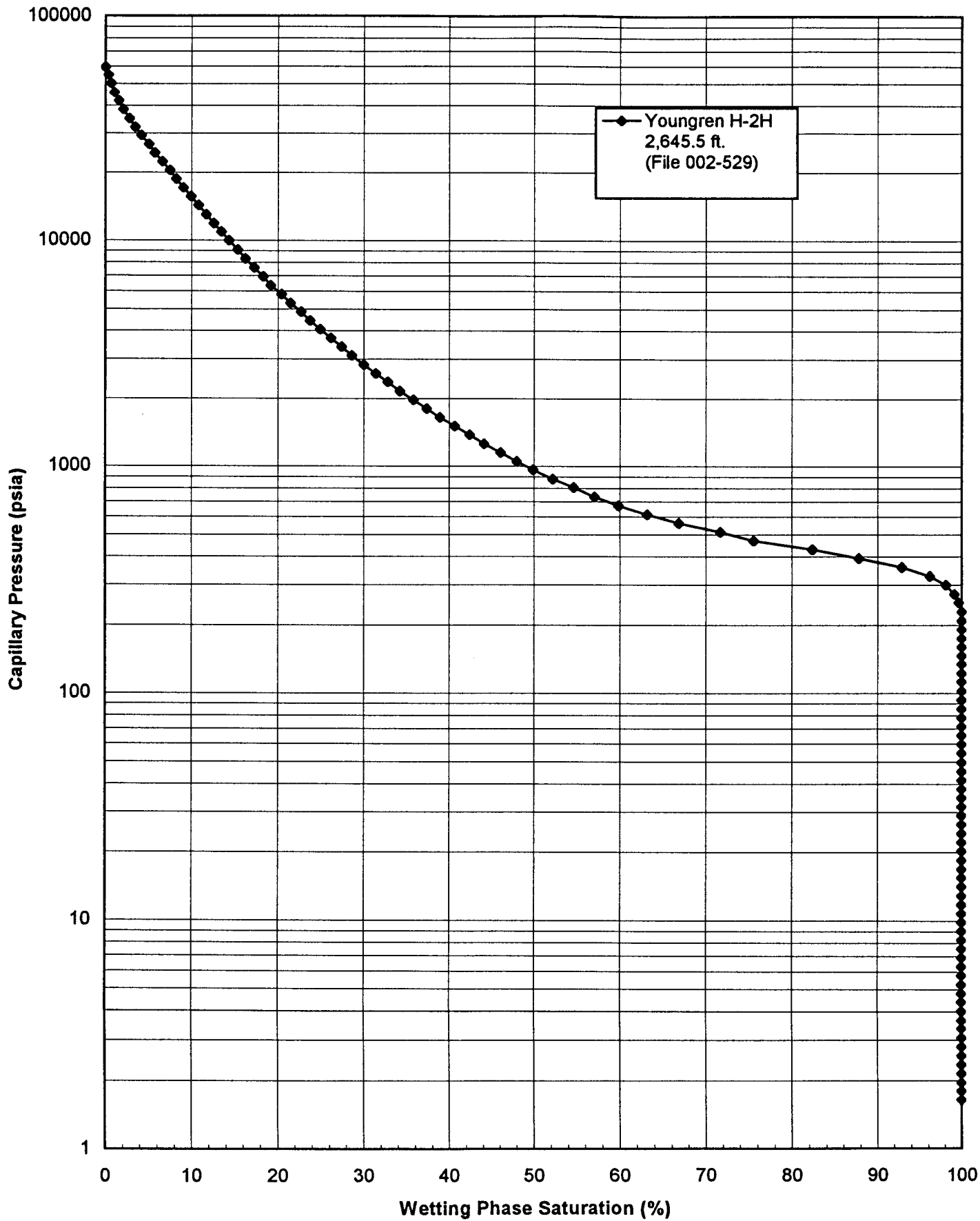
Youngren H-2H : 2,645.5 feet
File 002-529

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	8.83	37.3	1.57	0.0098
1980	0.1077	9.04	35.8	1.57	0.0092
2160	0.0988	9.25	34.2	1.57	0.0087
2370	0.0900	9.43	32.8	1.40	0.0066
2590	0.0824	9.62	31.4	1.40	0.0063
2830	0.0754	9.80	30.0	1.40	0.0058
3100	0.0688	9.99	28.6	1.40	0.0052
3390	0.0629	10.15	27.4	1.22	0.0042
3710	0.0575	10.32	26.2	1.22	0.0038
4060	0.0525	10.48	25.0	1.22	0.0035
4440	0.0480	10.64	23.7	1.22	0.0032
4850	0.0440	10.78	22.7	1.05	0.0026
5310	0.0402	10.95	21.5	1.22	0.0027
5810	0.0367	11.08	20.4	1.05	0.0021
6360	0.0335	11.25	19.2	1.22	0.0022
6950	0.0307	11.36	18.3	0.87	0.0015
7610	0.0280	11.50	17.3	1.05	0.0016
8320	0.0256	11.64	16.2	1.05	0.0015
9100	0.0234	11.76	15.4	0.87	0.0011
9960	0.0214	11.90	14.3	1.05	0.0012
10900	0.0196	12.02	13.4	0.87	0.0009
11900	0.0179	12.13	12.6	0.87	0.0009
13000	0.0164	12.25	11.7	0.87	0.0008
14300	0.0149	12.37	10.8	0.87	0.0007
15600	0.0137	12.48	9.9	0.87	0.0007
17100	0.0125	12.60	9.1	0.87	0.0006
18700	0.0114	12.72	8.2	0.87	0.0005
20400	0.0105	12.81	7.5	0.70	0.0004
22300	0.0096	12.92	6.6	0.87	0.0005
24400	0.0087	13.04	5.8	0.87	0.0004
26700	0.0080	13.13	5.1	0.70	0.0003
29300	0.0073	13.25	4.2	0.87	0.0003
32000	0.0067	13.34	3.5	0.70	0.0003
35000	0.0061	13.44	2.8	0.70	0.0002
38300	0.0056	13.53	2.1	0.70	0.0002
41900	0.0051	13.60	1.6	0.52	0.0001
45800	0.0047	13.67	1.0	0.52	0.0001
50100	0.0043	13.72	0.7	0.35	0.0001
54800	0.0039	13.76	0.3	0.35	0.0001
59500	0.0036	13.81	0.0	0.35	0.0001

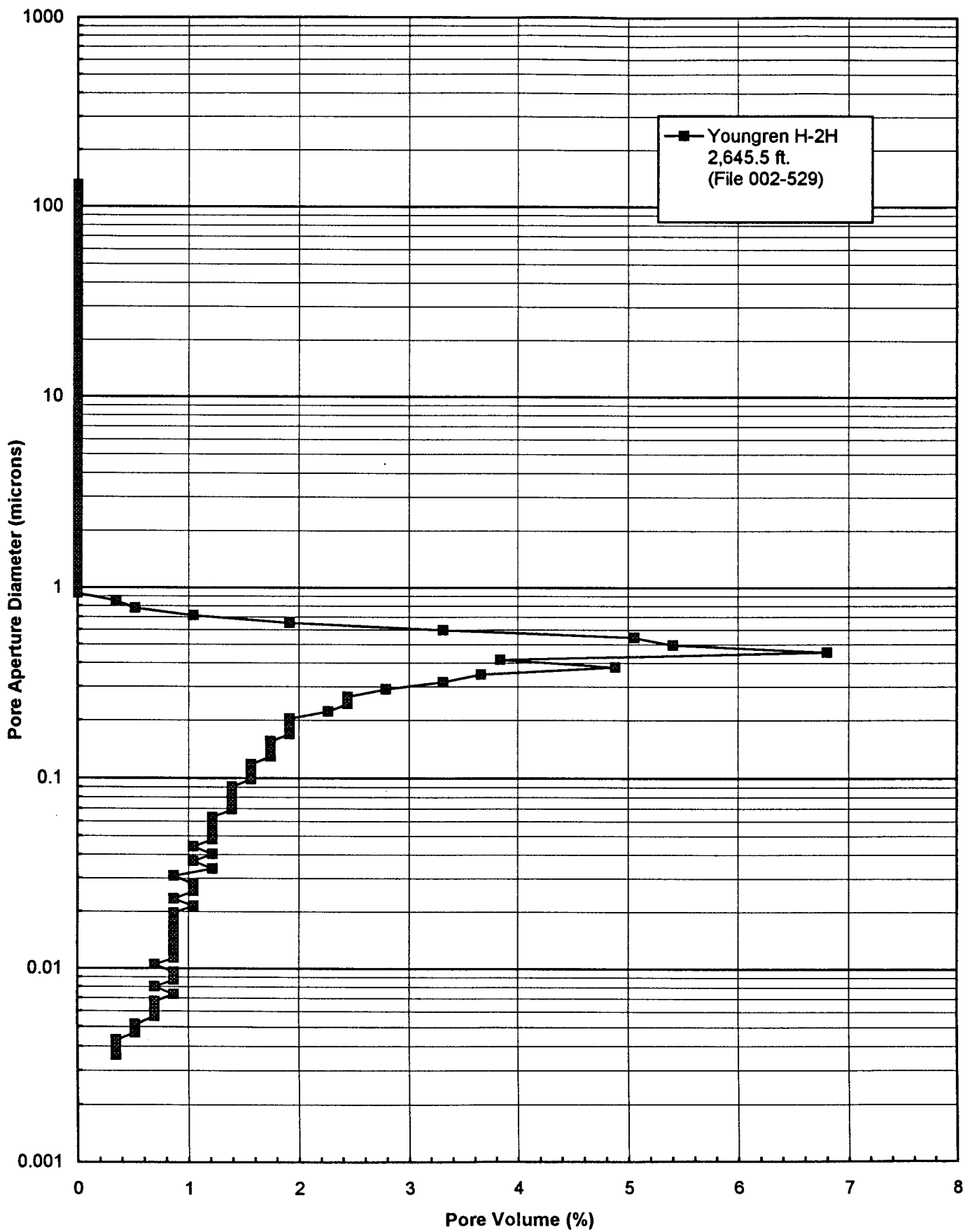
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,648.1 feet
File 002-530

Sample Information	
Bulk Volume = 11.1186 cc	Porosity = 12.7% (mercury)
Pore Volume = 1.4160 cc	Permeability = 0.127 md (mercury) 0.127
Closure = 0.69%BV @ 736 microns	Median Pore Aperture = 0.0661 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	0.09	100.0	0.00	0.0000
2.35	90.8	0.14	100.0	0.00	0.0000
2.57	83.0	0.17	100.0	0.00	0.0000
2.81	75.9	0.19	100.0	0.00	0.0000
3.08	69.3	0.19	100.0	0.00	0.0000
3.37	63.3	0.19	100.0	0.00	0.0000
3.68	58.0	0.21	100.0	0.00	0.0000
4.03	52.9	0.21	100.0	0.00	0.0000
4.41	48.4	0.21	100.0	0.00	0.0000
4.82	44.3	0.21	100.0	0.00	0.0000
5.27	40.5	0.24	100.0	0.00	0.0000
5.77	37.0	0.24	100.0	0.00	0.0000
6.31	33.8	0.24	100.0	0.00	0.0000
6.90	30.9	0.24	100.0	0.00	0.0000
7.55	28.3	0.24	100.0	0.00	0.0000
8.26	25.8	0.26	100.0	0.00	0.0000
9.04	23.6	0.26	100.0	0.00	0.0000
9.89	21.6	0.26	100.0	0.00	0.0000
10.8	19.8	0.26	100.0	0.00	0.0000
11.8	18.1	0.28	100.0	0.00	0.0000
12.9	16.5	0.28	100.0	0.00	0.0000
14.2	15.0	0.28	100.0	0.00	0.0000
15.5	13.8	0.28	100.0	0.00	0.0000
16.9	12.6	0.31	100.0	0.00	0.0000
18.5	11.5	0.31	100.0	0.00	0.0000
20.3	10.5	0.31	100.0	0.00	0.0000
22.2	9.61	0.33	100.0	0.00	0.0000
24.3	8.78	0.33	100.0	0.00	0.0000
26.6	8.02	0.33	100.0	0.00	0.0000
29.0	7.36	0.35	100.0	0.00	0.0000
31.8	6.71	0.35	100.0	0.00	0.0000
34.8	6.13	0.38	100.0	0.00	0.0000
38.0	5.61	0.38	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,648.1 feet
File 002-530

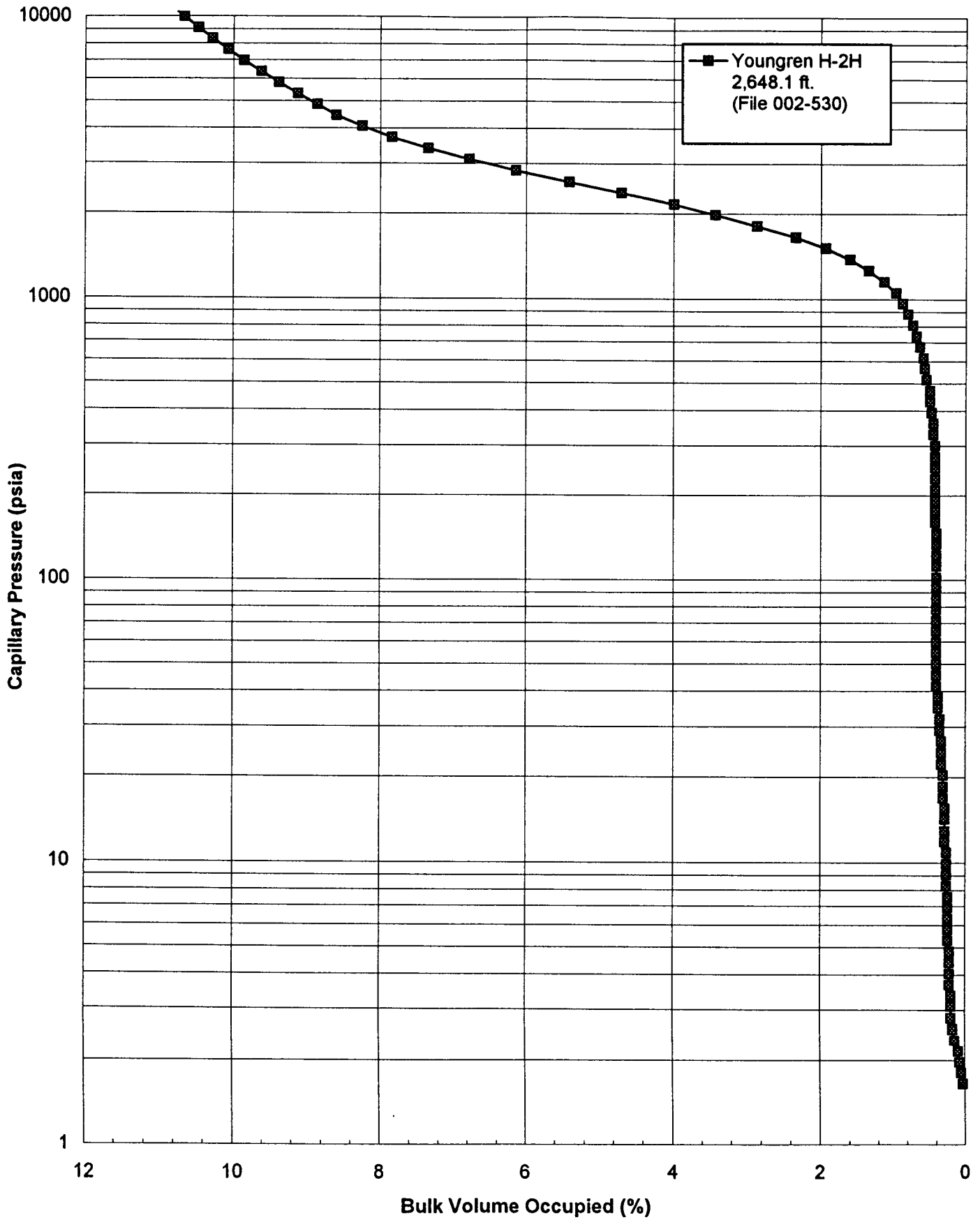
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.40	100.0	0.00	0.0000
45.5	4.69	0.40	100.0	0.00	0.0000
49.8	4.28	0.40	100.0	0.00	0.0000
54.5	3.91	0.40	100.0	0.00	0.0000
59.6	3.58	0.40	100.0	0.00	0.0000
65.2	3.27	0.40	100.0	0.00	0.0000
71.3	2.99	0.40	100.0	0.00	0.0000
78.0	2.73	0.40	100.0	0.00	0.0000
85.3	2.50	0.40	100.0	0.00	0.0000
93.4	2.28	0.40	100.0	0.00	0.0000
102	2.09	0.40	100.0	0.00	0.0000
112	1.90	0.40	100.0	0.00	0.0000
122	1.75	0.40	100.0	0.00	0.0000
134	1.59	0.40	100.0	0.00	0.0000
146	1.46	0.40	100.0	0.00	0.0000
160	1.33	0.43	100.0	0.00	0.0000
175	1.22	0.43	100.0	0.00	0.0000
191	1.12	0.43	100.0	0.00	0.0000
209	1.02	0.43	100.0	0.00	0.0000
229	0.932	0.43	100.0	0.00	0.0000
251	0.850	0.43	100.0	0.00	0.0000
274	0.779	0.43	100.0	0.00	0.0000
300	0.711	0.43	100.0	0.00	0.0000
328	0.650	0.45	100.0	0.00	0.0000
359	0.594	0.45	100.0	0.00	0.0000
393	0.543	0.47	100.0	0.00	0.0000
430	0.496	0.50	100.0	0.00	0.0000
470	0.454	0.50	100.0	0.00	0.0000
514	0.415	0.54	100.0	0.00	0.0000
563	0.379	0.57	100.0	0.00	0.0000
615	0.347	0.59	100.0	0.00	0.0000
673	0.317	0.64	100.0	0.00	0.0000
736	0.290	0.69	100.0	0.00	0.0000
806	0.265	0.73	99.6	0.37	0.0053
881	0.242	0.80	99.1	0.56	0.0074
964	0.221	0.87	98.5	0.56	0.0067
1050	0.203	0.97	97.8	0.74	0.0086
1150	0.186	1.13	96.5	1.30	0.0130
1260	0.169	1.35	94.8	1.67	0.0152
1380	0.155	1.61	92.8	2.04	0.0170
1510	0.141	1.94	90.1	2.60	0.0200
1650	0.129	2.34	87.0	3.16	0.0226

Mercury Injection Capillary Pressure

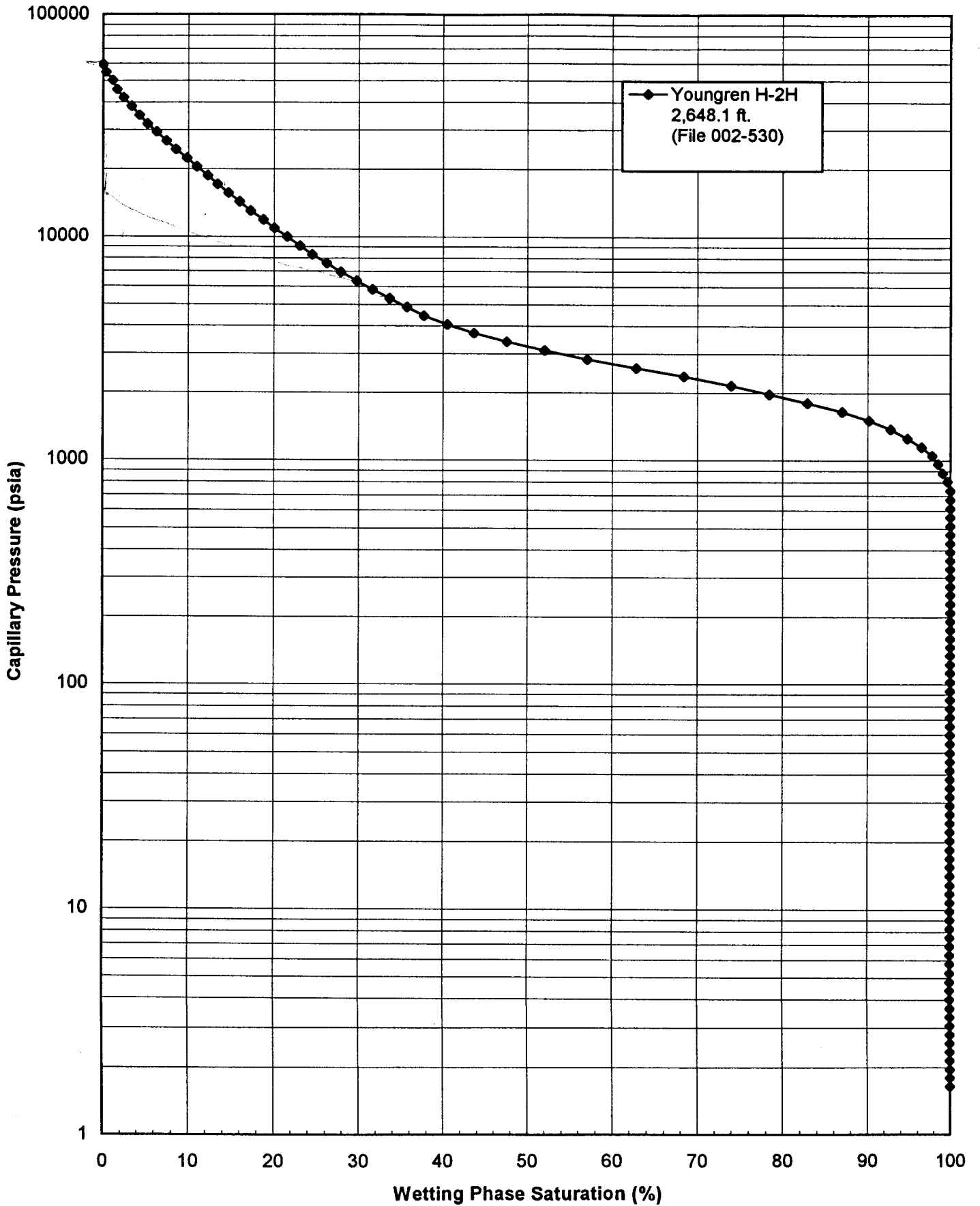
Youngren H-2H : 2,648.1 feet
File 002-530

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	2.86	82.9	4.09	0.0256
1980	0.1077	3.43	78.4	4.46	0.0262
2160	0.0988	3.99	74.0	4.46	0.0248
2370	0.0900	4.70	68.4	5.58	0.0266
2590	0.0824	5.41	62.8	5.58	0.0253
2830	0.0754	6.14	57.1	5.76	0.0240
3100	0.0688	6.78	52.0	5.02	0.0186
3390	0.0629	7.35	47.6	4.46	0.0154
3710	0.0575	7.84	43.7	3.90	0.0122
4060	0.0525	8.25	40.5	3.16	0.0090
4440	0.0480	8.60	37.7	2.79	0.0073
4850	0.0440	8.86	35.7	2.04	0.0050
5310	0.0402	9.12	33.6	2.04	0.0044
5810	0.0367	9.38	31.6	2.04	0.0041
6360	0.0335	9.62	29.7	1.86	0.0034
6950	0.0307	9.85	27.9	1.86	0.0032
7610	0.0280	10.07	26.2	1.67	0.0025
8320	0.0256	10.28	24.5	1.67	0.0024
9100	0.0234	10.47	23.0	1.49	0.0019
9960	0.0214	10.66	21.6	1.49	0.0017
10900	0.0196	10.85	20.1	1.49	0.0016
11900	0.0179	11.01	18.8	1.30	0.0013
13000	0.0164	11.20	17.3	1.49	0.0014
14300	0.0149	11.37	16.0	1.30	0.0010
15600	0.0137	11.53	14.7	1.30	0.0010
17100	0.0125	11.70	13.4	1.30	0.0009
18700	0.0114	11.84	12.3	1.12	0.0007
20400	0.0105	12.00	11.0	1.30	0.0008
22300	0.0096	12.14	9.9	1.12	0.0006
24400	0.0087	12.31	8.6	1.30	0.0006
26700	0.0080	12.45	7.4	1.12	0.0005
29300	0.0073	12.59	6.3	1.12	0.0004
32000	0.0067	12.74	5.2	1.12	0.0004
35000	0.0061	12.85	4.3	0.93	0.0003
38300	0.0056	12.97	3.3	0.93	0.0003
41900	0.0051	13.09	2.4	0.93	0.0003
45800	0.0047	13.18	1.7	0.74	0.0002
50100	0.0043	13.26	1.1	0.56	0.0001
54800	0.0039	13.35	0.4	0.74	0.0002
59500	0.0036	13.40	0.0	0.37	0.0001

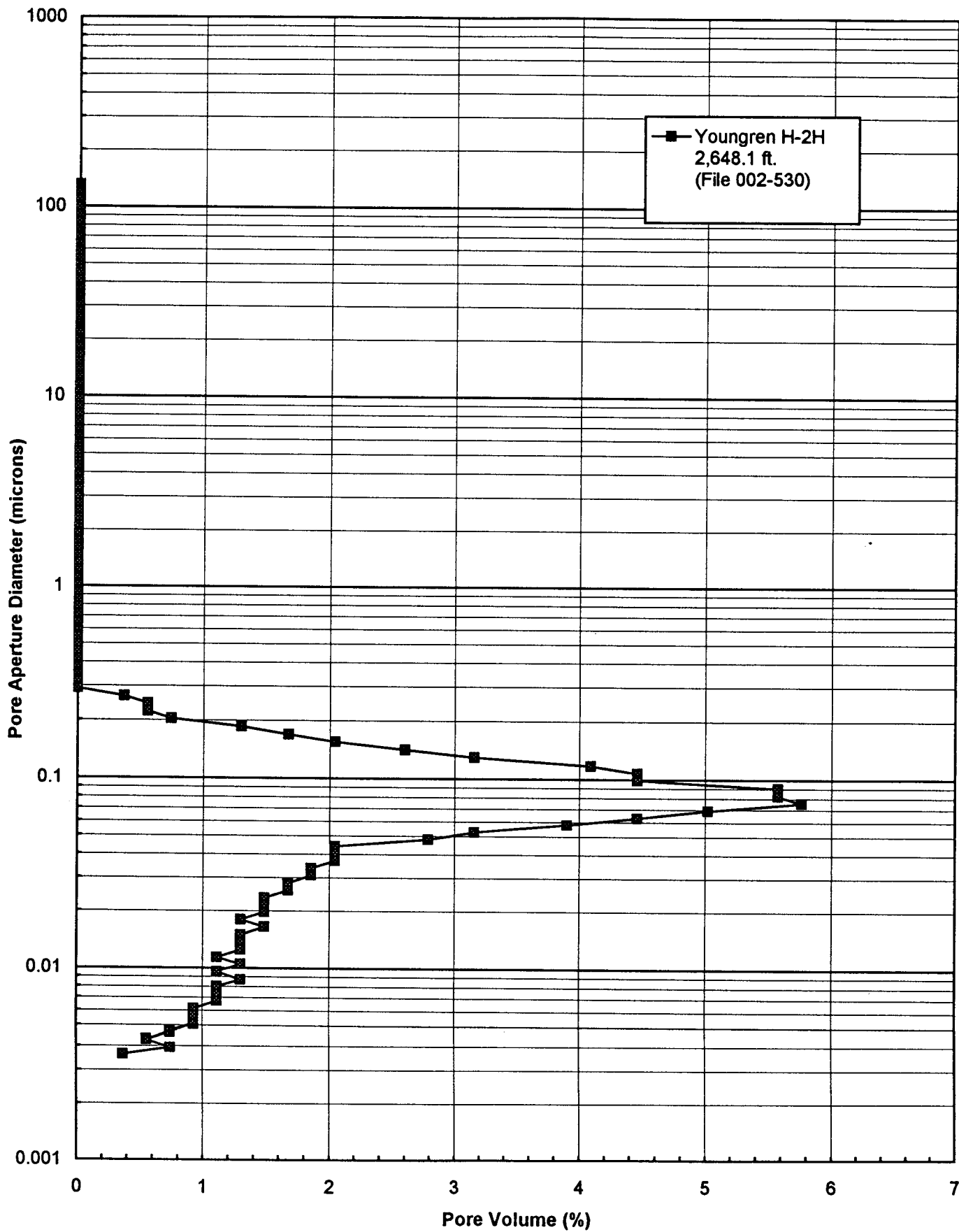
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,652.8 feet
File 002-535

Sample Information	
Bulk Volume = 11.6723 cc	Porosity = 13.6% (mercury)
Pore Volume = 1.5907 cc	Permeability = 0.0723 md (mercury) - 723
Closure = 0.39%BV @ 34.8 psia	Median Pore Aperture = 0.3844 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	0.09	100.0	0.00	0.0000
2.35	90.8	0.12	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	0.16	100.0	0.00	0.0000
3.68	58.0	0.19	100.0	0.00	0.0000
4.03	52.9	0.19	100.0	0.00	0.0000
4.41	48.4	0.19	100.0	0.00	0.0000
4.82	44.3	0.21	100.0	0.00	0.0000
5.27	40.5	0.21	100.0	0.00	0.0000
5.77	37.0	0.21	100.0	0.00	0.0000
6.31	33.8	0.23	100.0	0.00	0.0000
6.90	30.9	0.23	100.0	0.00	0.0000
7.55	28.3	0.23	100.0	0.00	0.0000
8.26	25.8	0.25	100.0	0.00	0.0000
9.04	23.6	0.25	100.0	0.00	0.0000
9.89	21.6	0.25	100.0	0.00	0.0000
10.8	19.8	0.28	100.0	0.00	0.0000
11.8	18.1	0.28	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	0.30	100.0	0.00	0.0000
16.9	12.6	0.30	100.0	0.00	0.0000
18.5	11.5	0.32	100.0	0.00	0.0000
20.3	10.5	0.32	100.0	0.00	0.0000
22.2	9.61	0.35	100.0	0.00	0.0000
24.3	8.78	0.35	100.0	0.00	0.0000
26.6	8.02	0.35	100.0	0.00	0.0000
29.0	7.36	0.37	100.0	0.00	0.0000
31.8	6.71	0.37	100.0	0.00	0.0000
34.8	6.13	0.39	100.0	0.00	0.0000
38.0	5.61	0.42	99.8	0.17	0.0531

Mercury Injection Capillary Pressure

Youngren H-2H : 2,652.8 feet
File 002-535

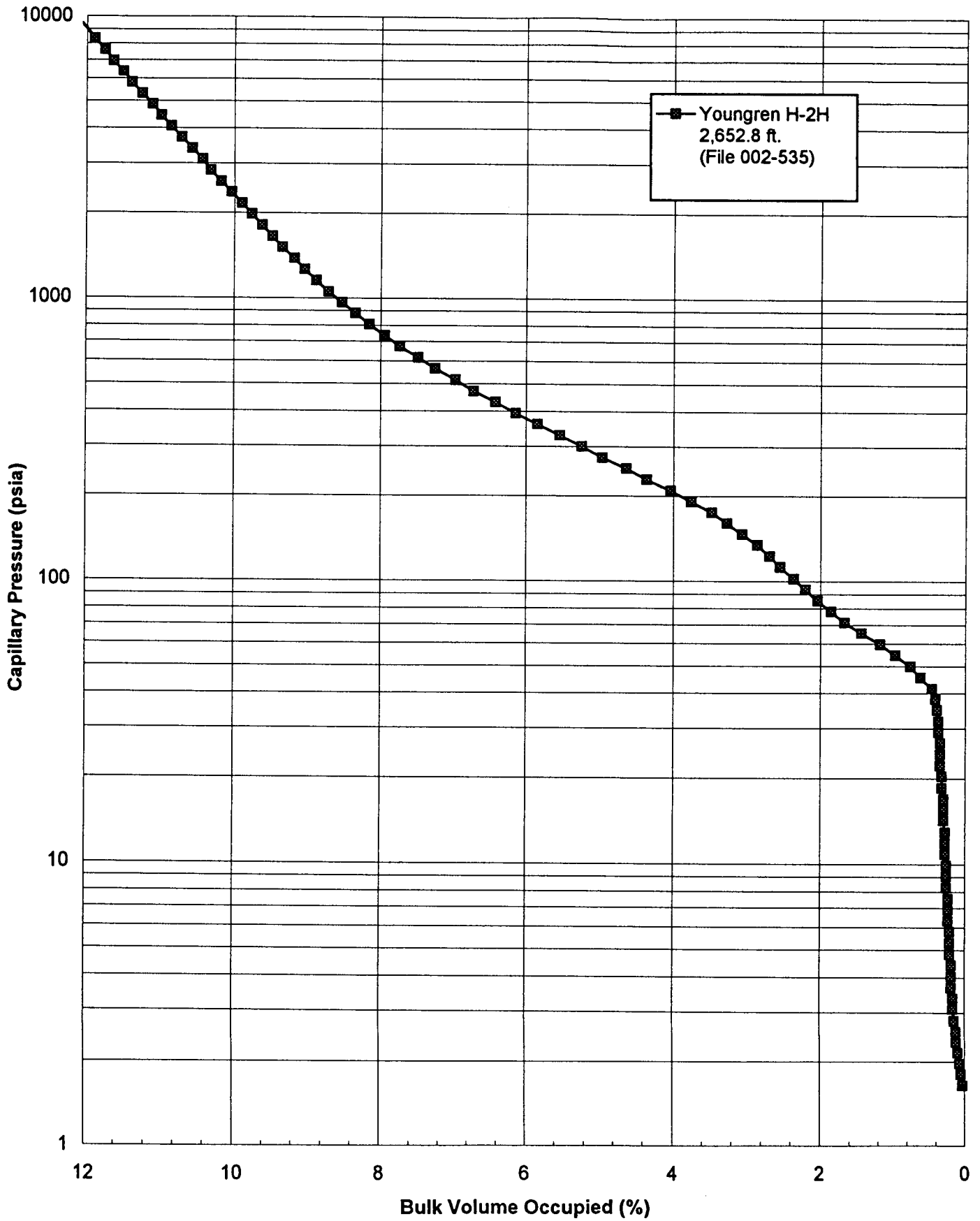
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.46	99.5	0.34	0.0945
45.5	4.69	0.63	98.3	1.19	0.3053
49.8	4.28	0.76	97.3	1.02	0.2373
54.5	3.91	0.97	95.7	1.53	0.3257
59.6	3.58	1.18	94.2	1.53	0.3001
65.2	3.27	1.44	92.3	1.87	0.3341
71.3	2.99	1.67	90.6	1.70	0.2788
78.0	2.73	1.85	89.3	1.36	0.2031
85.3	2.50	2.04	87.9	1.36	0.1864
93.4	2.28	2.20	86.7	1.19	0.1470
102	2.09	2.36	85.5	1.19	0.1384
112	1.90	2.55	84.2	1.36	0.1361
122	1.75	2.69	83.2	1.02	0.1020
134	1.59	2.85	82.0	1.19	0.0992
146	1.46	3.06	80.4	1.53	0.1276
160	1.33	3.27	78.9	1.53	0.1093
175	1.22	3.48	77.4	1.53	0.1020
191	1.12	3.75	75.3	2.04	0.1276
209	1.02	4.03	73.3	2.04	0.1134
229	0.932	4.36	70.9	2.38	0.1190
251	0.850	4.64	68.9	2.04	0.0928
274	0.779	4.96	66.5	2.38	0.1035
300	0.711	5.24	64.5	2.04	0.0785
328	0.650	5.54	62.2	2.21	0.0790
359	0.594	5.84	60.0	2.21	0.0713
393	0.543	6.14	57.8	2.21	0.0650
430	0.496	6.42	55.8	2.04	0.0552
470	0.454	6.72	53.6	2.21	0.0553
514	0.415	6.98	51.7	1.87	0.0425
563	0.379	7.25	49.7	2.04	0.0416
615	0.347	7.49	48.0	1.70	0.0327
673	0.317	7.74	46.1	1.87	0.0323
736	0.290	7.95	44.6	1.53	0.0243
806	0.265	8.16	43.0	1.53	0.0219
881	0.242	8.34	41.7	1.36	0.0181
964	0.221	8.53	40.3	1.36	0.0164
1050	0.203	8.71	38.9	1.36	0.0158
1150	0.186	8.88	37.8	1.19	0.0119
1260	0.169	9.04	36.6	1.19	0.0108
1380	0.155	9.18	35.5	1.02	0.0085
1510	0.141	9.34	34.4	1.19	0.0092
1650	0.129	9.48	33.3	1.02	0.0073

Mercury Injection Capillary Pressure

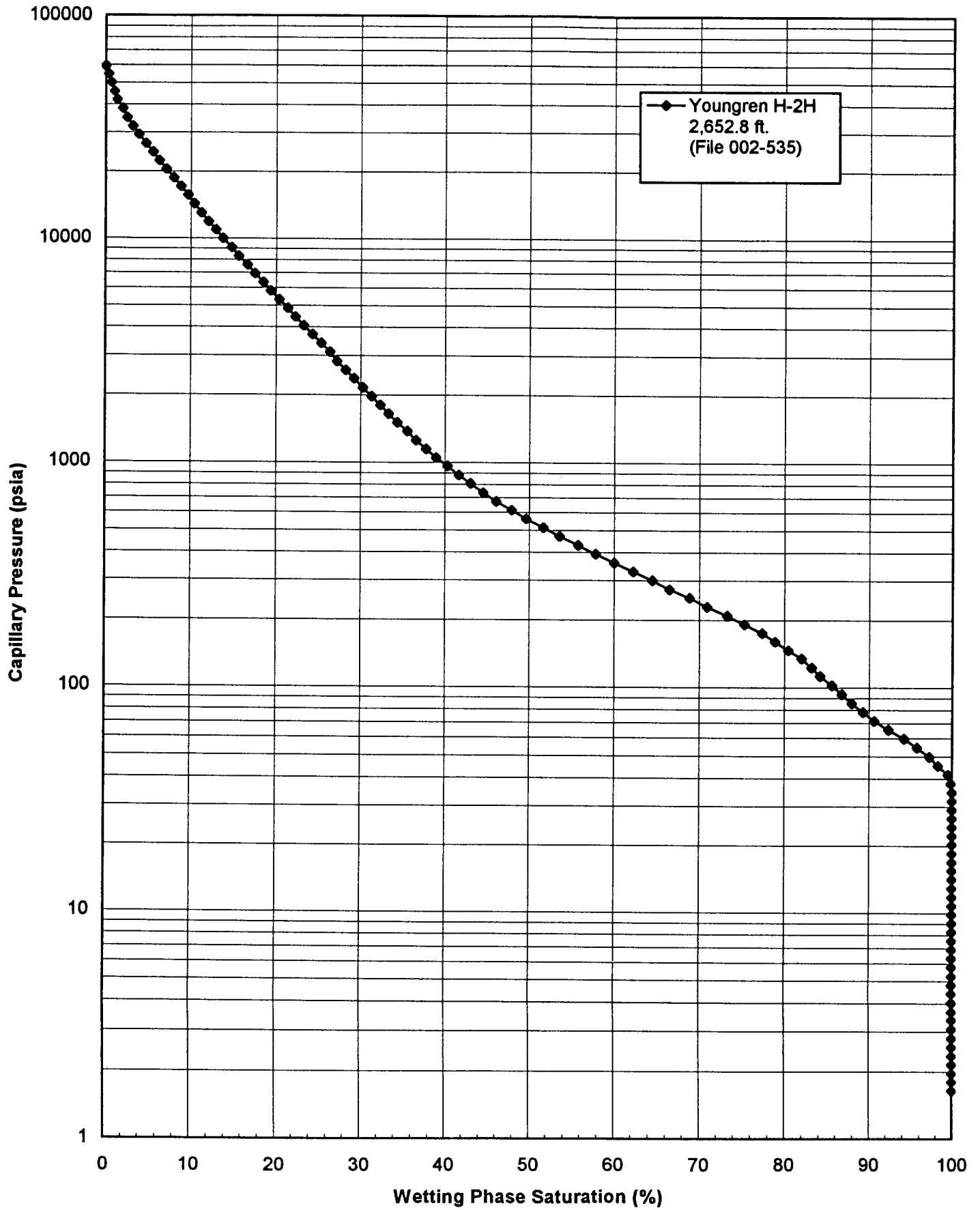
Youngren H-2H : 2,652.8 feet
File 002-535

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	9.62	32.3	1.02	0.0064
1980	0.1077	9.76	31.3	1.02	0.0060
2160	0.0988	9.90	30.3	1.02	0.0057
2370	0.0900	10.04	29.3	1.02	0.0049
2590	0.0824	10.17	28.2	1.02	0.0046
2830	0.0754	10.31	27.2	1.02	0.0043
3100	0.0688	10.43	26.4	0.85	0.0031
3390	0.0629	10.57	25.3	1.02	0.0035
3710	0.0575	10.71	24.3	1.02	0.0032
4060	0.0525	10.85	23.3	1.02	0.0029
4440	0.0480	10.99	22.3	1.02	0.0027
4850	0.0440	11.10	21.4	0.85	0.0021
5310	0.0402	11.24	20.4	1.02	0.0022
5810	0.0367	11.38	19.4	1.02	0.0020
6360	0.0335	11.50	18.5	0.85	0.0015
6950	0.0307	11.63	17.5	1.02	0.0017
7610	0.0280	11.75	16.7	0.85	0.0013
8320	0.0256	11.89	15.6	1.02	0.0014
9100	0.0234	12.01	14.8	0.85	0.0011
9960	0.0214	12.14	13.8	1.02	0.0012
10900	0.0196	12.26	12.9	0.85	0.0009
11900	0.0179	12.38	12.1	0.85	0.0009
13000	0.0164	12.49	11.2	0.85	0.0008
14300	0.0149	12.61	10.4	0.85	0.0007
15600	0.0137	12.70	9.7	0.68	0.0005
17100	0.0125	12.82	8.8	0.85	0.0006
18700	0.0114	12.93	8.0	0.85	0.0005
20400	0.0105	13.05	7.1	0.85	0.0005
22300	0.0096	13.16	6.3	0.85	0.0004
24400	0.0087	13.26	5.6	0.68	0.0003
26700	0.0080	13.37	4.8	0.85	0.0004
29300	0.0073	13.49	3.9	0.85	0.0003
32000	0.0067	13.58	3.2	0.68	0.0003
35000	0.0061	13.67	2.6	0.68	0.0002
38300	0.0056	13.74	2.0	0.51	0.0002
41900	0.0051	13.84	1.4	0.68	0.0002
45800	0.0047	13.88	1.0	0.34	0.0001
50100	0.0043	13.93	0.7	0.34	0.0001
54800	0.0039	13.98	0.3	0.34	0.0001
59500	0.0036	14.02	0.0	0.34	0.0001

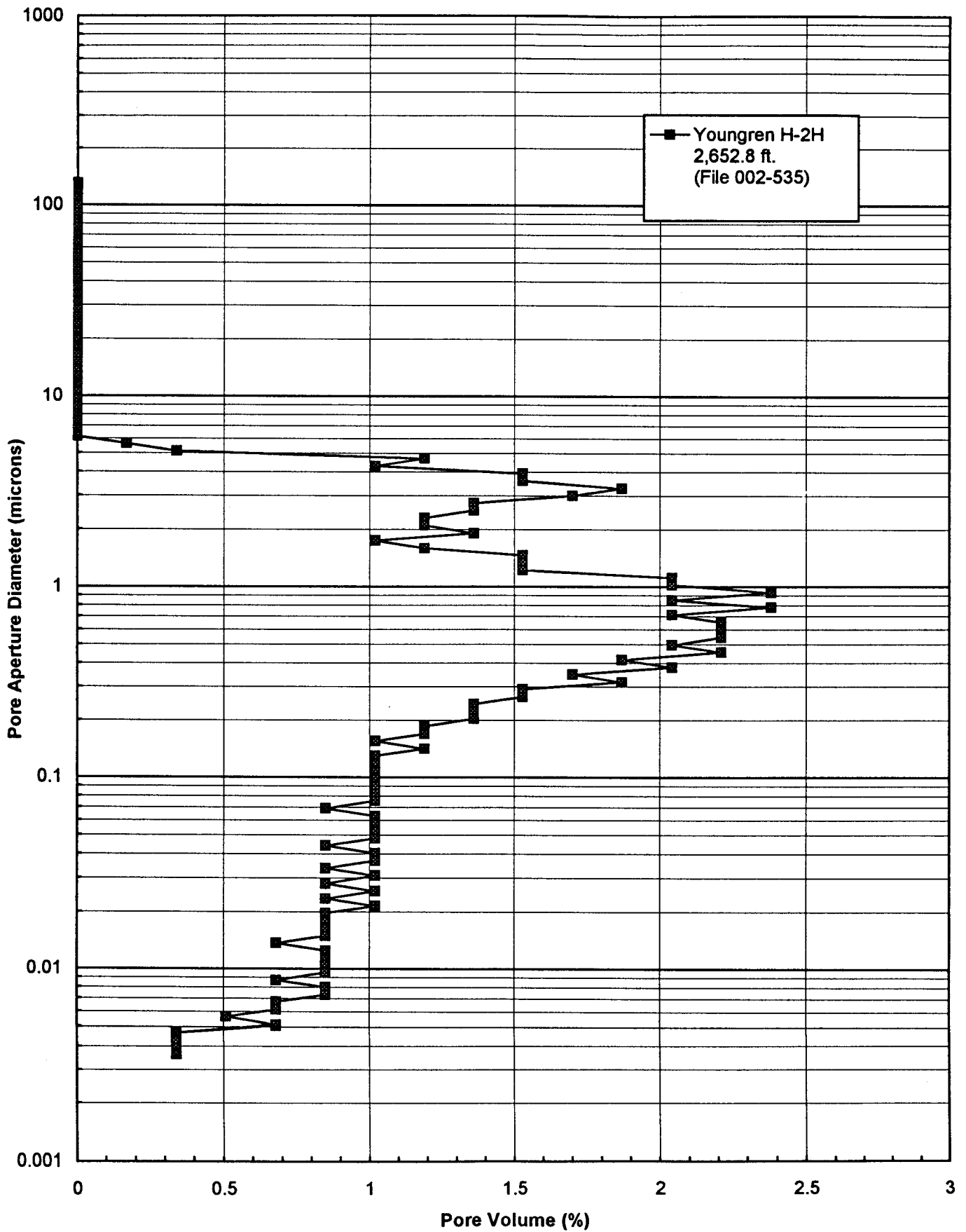
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,663.0 feet

File 002-534

Sample Information	
Bulk Volume = 11.6687 cc	Porosity = 14.8% (mercury)
Pore Volume = 1.7263 cc	Permeability = 2.66 md (mercury)
Closure = 0.53%BV @ 34.8 psia	Median Pore Aperture = 1.254 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	0.05	100.0	0.00	0.0000
2.15	99.2	0.05	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	0.16	100.0	0.00	0.0000
3.68	58.0	0.28	100.0	0.00	0.0000
4.03	52.9	0.30	100.0	0.00	0.0000
4.41	48.4	0.30	100.0	0.00	0.0000
4.82	44.3	0.30	100.0	0.00	0.0000
5.27	40.5	0.32	100.0	0.00	0.0000
5.77	37.0	0.32	100.0	0.00	0.0000
6.31	33.8	0.32	100.0	0.00	0.0000
6.90	30.9	0.32	100.0	0.00	0.0000
7.55	28.3	0.35	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	0.35	100.0	0.00	0.0000
10.8	19.8	0.37	100.0	0.00	0.0000
11.8	18.1	0.37	100.0	0.00	0.0000
12.9	16.5	0.37	100.0	0.00	0.0000
14.2	15.0	0.37	100.0	0.00	0.0000
15.5	13.8	0.39	100.0	0.00	0.0000
16.9	12.6	0.39	100.0	0.00	0.0000
18.5	11.5	0.39	100.0	0.00	0.0000
20.3	10.5	0.42	100.0	0.00	0.0000
22.2	9.61	0.42	100.0	0.00	0.0000
24.3	8.78	0.42	100.0	0.00	0.0000
26.6	8.02	0.44	100.0	0.00	0.0000
29.0	7.36	0.46	100.0	0.00	0.0000
31.8	6.71	0.51	100.0	0.00	0.0000
34.8	6.13	0.53	100.0	0.00	0.0000
38.0	5.61	0.58	99.7	0.31	0.0978

Mercury Injection Capillary Pressure

Youngren H-2H : 2,663.0 feet
File 002-534

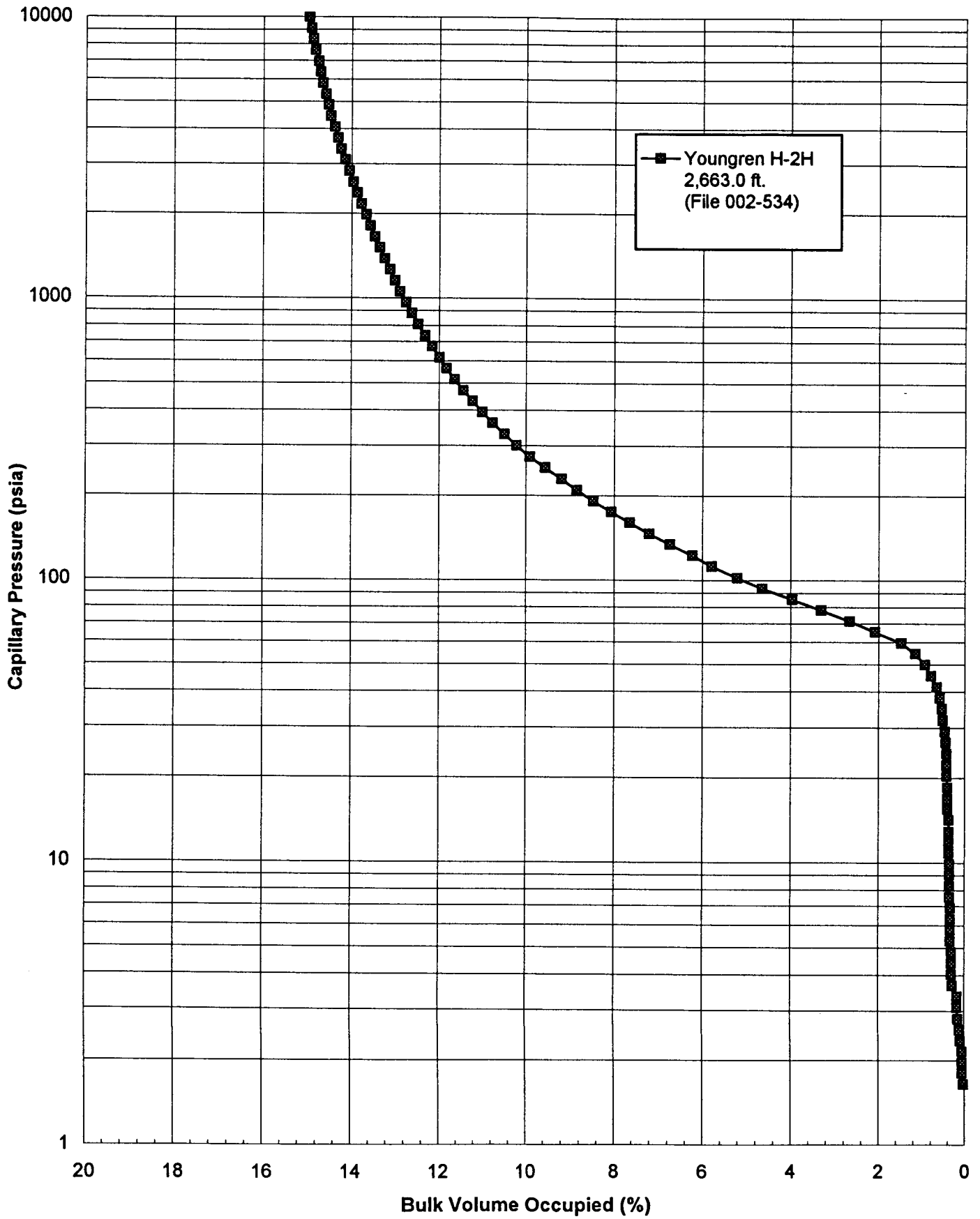
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.65	99.2	0.47	0.1304
45.5	4.69	0.79	98.3	0.94	0.2408
49.8	4.28	0.93	97.3	0.94	0.2184
54.5	3.91	1.16	95.8	1.56	0.3330
59.6	3.58	1.48	93.6	2.19	0.4296
65.2	3.27	2.08	89.5	4.07	0.7266
71.3	2.99	2.66	85.6	3.91	0.6414
78.0	2.73	3.31	81.2	4.38	0.6540
85.3	2.50	3.96	76.8	4.38	0.6003
93.4	2.28	4.63	72.3	4.54	0.5603
102	2.09	5.21	68.4	3.91	0.4549
112	1.90	5.79	64.5	3.91	0.3912
122	1.75	6.23	61.5	2.97	0.2973
134	1.59	6.74	58.1	3.44	0.2869
146	1.46	7.20	54.9	3.13	0.2608
160	1.33	7.64	52.0	2.97	0.2124
175	1.22	8.06	49.1	2.82	0.1878
191	1.12	8.47	46.3	2.82	0.1761
209	1.02	8.84	43.8	2.50	0.1391
229	0.932	9.19	41.5	2.35	0.1174
251	0.850	9.56	39.0	2.50	0.1138
274	0.779	9.91	36.6	2.35	0.1021
300	0.711	10.21	34.6	2.03	0.0782
328	0.650	10.49	32.7	1.88	0.0671
359	0.594	10.77	30.8	1.88	0.0606
393	0.543	11.00	29.3	1.56	0.0460
430	0.496	11.23	27.7	1.56	0.0423
470	0.454	11.44	26.3	1.41	0.0352
514	0.415	11.65	24.9	1.41	0.0320
563	0.379	11.83	23.6	1.25	0.0256
615	0.347	11.99	22.5	1.10	0.0211
673	0.317	12.15	21.4	1.10	0.0189
736	0.290	12.32	20.3	1.10	0.0174
806	0.265	12.48	19.2	1.10	0.0156
881	0.242	12.62	18.3	0.94	0.0125
964	0.221	12.76	17.4	0.94	0.0113
1050	0.203	12.90	16.4	0.94	0.0109
1150	0.186	13.01	15.6	0.78	0.0078
1260	0.169	13.13	14.9	0.78	0.0071
1380	0.155	13.24	14.1	0.78	0.0065
1510	0.141	13.36	13.3	0.78	0.0060
1650	0.129	13.47	12.5	0.78	0.0056

Mercury Injection Capillary Pressure

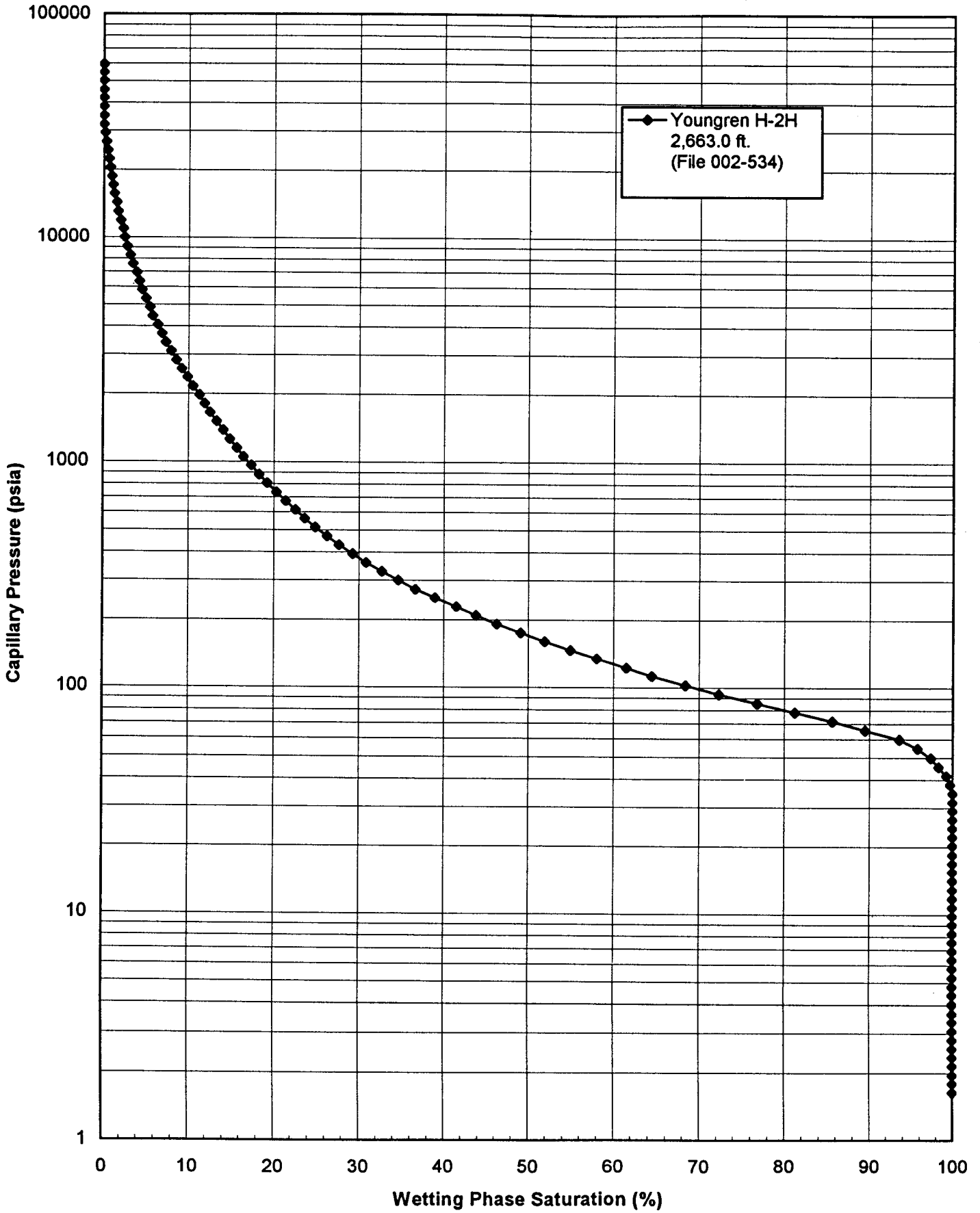
Youngren H-2H : 2,663.0 feet
File 002-534

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	13.57	11.9	0.63	0.0039
1980	0.1077	13.66	11.3	0.63	0.0037
2160	0.0988	13.78	10.5	0.78	0.0043
2370	0.0900	13.87	9.9	0.63	0.0030
2590	0.0824	13.96	9.2	0.63	0.0028
2830	0.0754	14.05	8.6	0.63	0.0026
3100	0.0688	14.15	8.0	0.63	0.0023
3390	0.0629	14.24	7.4	0.63	0.0022
3710	0.0575	14.31	6.9	0.47	0.0015
4060	0.0525	14.38	6.4	0.47	0.0013
4440	0.0480	14.47	5.8	0.63	0.0016
4850	0.0440	14.52	5.5	0.31	0.0008
5310	0.0402	14.59	5.0	0.47	0.0010
5810	0.0367	14.66	4.5	0.47	0.0009
6360	0.0335	14.70	4.2	0.31	0.0006
6950	0.0307	14.75	3.9	0.31	0.0005
7610	0.0280	14.82	3.4	0.47	0.0007
8320	0.0256	14.86	3.1	0.31	0.0004
9100	0.0234	14.91	2.8	0.31	0.0004
9960	0.0214	14.96	2.5	0.31	0.0004
10900	0.0196	14.98	2.3	0.16	0.0002
11900	0.0179	15.03	2.0	0.31	0.0003
13000	0.0164	15.07	1.7	0.31	0.0003
14300	0.0149	15.09	1.6	0.16	0.0001
15600	0.0137	15.14	1.3	0.31	0.0002
17100	0.0125	15.16	1.1	0.16	0.0001
18700	0.0114	15.19	0.9	0.16	0.0001
20400	0.0105	15.21	0.8	0.16	0.0001
22300	0.0096	15.23	0.6	0.16	0.0001
24400	0.0087	15.26	0.5	0.16	0.0001
26700	0.0080	15.28	0.3	0.16	0.0001
29300	0.0073	15.30	0.2	0.16	0.0001
32000	0.0067	15.33	0.0	0.16	0.0001
35000	0.0061	15.33	0.0	0.00	0.0000
38300	0.0056	15.33	0.0	0.00	0.0000
41900	0.0051	15.33	0.0	0.00	0.0000
45800	0.0047	15.33	0.0	0.00	0.0000
50100	0.0043	15.33	0.0	0.00	0.0000
54800	0.0039	15.33	0.0	0.00	0.0000
59500	0.0036	15.33	0.0	0.00	0.0000

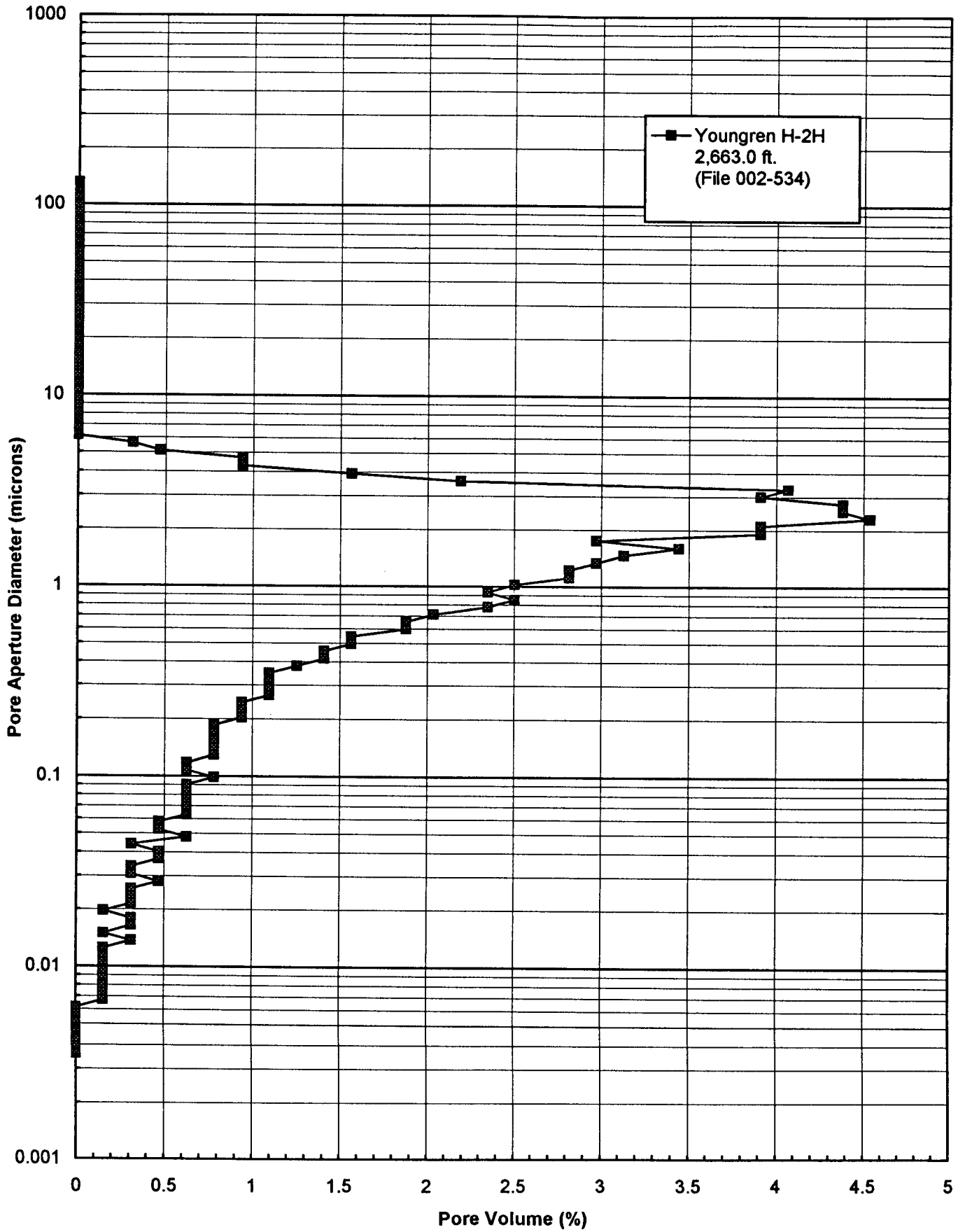
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,674.2 feet
File 002-536

Sample Information	
Bulk Volume = 11.5118 cc	Porosity = 12.5% (mercury)
Pore Volume = 1.4377 cc	Permeability = 0.5015 md (mercury)
Closure = 0.50%BV @ 112 psia	Median Pore Aperture = 0.6067 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	0.05	100.0	0.00	0.0000
2.15	99.2	0.07	100.0	0.00	0.0000
2.35	90.8	0.10	100.0	0.00	0.0000
2.57	83.0	0.12	100.0	0.00	0.0000
2.81	75.9	0.12	100.0	0.00	0.0000
3.08	69.3	0.14	100.0	0.00	0.0000
3.37	63.3	0.14	100.0	0.00	0.0000
3.68	58.0	0.14	100.0	0.00	0.0000
4.03	52.9	0.14	100.0	0.00	0.0000
4.41	48.4	0.17	100.0	0.00	0.0000
4.82	44.3	0.17	100.0	0.00	0.0000
5.27	40.5	0.17	100.0	0.00	0.0000
5.77	37.0	0.17	100.0	0.00	0.0000
6.31	33.8	0.17	100.0	0.00	0.0000
6.90	30.9	0.17	100.0	0.00	0.0000
7.55	28.3	0.19	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	0.19	100.0	0.00	0.0000
10.8	19.8	0.19	100.0	0.00	0.0000
11.8	18.1	0.22	100.0	0.00	0.0000
12.9	16.5	0.22	100.0	0.00	0.0000
14.2	15.0	0.22	100.0	0.00	0.0000
15.5	13.8	0.22	100.0	0.00	0.0000
16.9	12.6	0.22	100.0	0.00	0.0000
18.5	11.5	0.22	100.0	0.00	0.0000
20.3	10.5	0.24	100.0	0.00	0.0000
22.2	9.61	0.24	100.0	0.00	0.0000
24.3	8.78	0.24	100.0	0.00	0.0000
26.6	8.02	0.26	100.0	0.00	0.0000
29.0	7.36	0.26	100.0	0.00	0.0000
31.8	6.71	0.26	100.0	0.00	0.0000
34.8	6.13	0.29	100.0	0.00	0.0000
38.0	5.61	0.29	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,674.2 feet
File 002-536

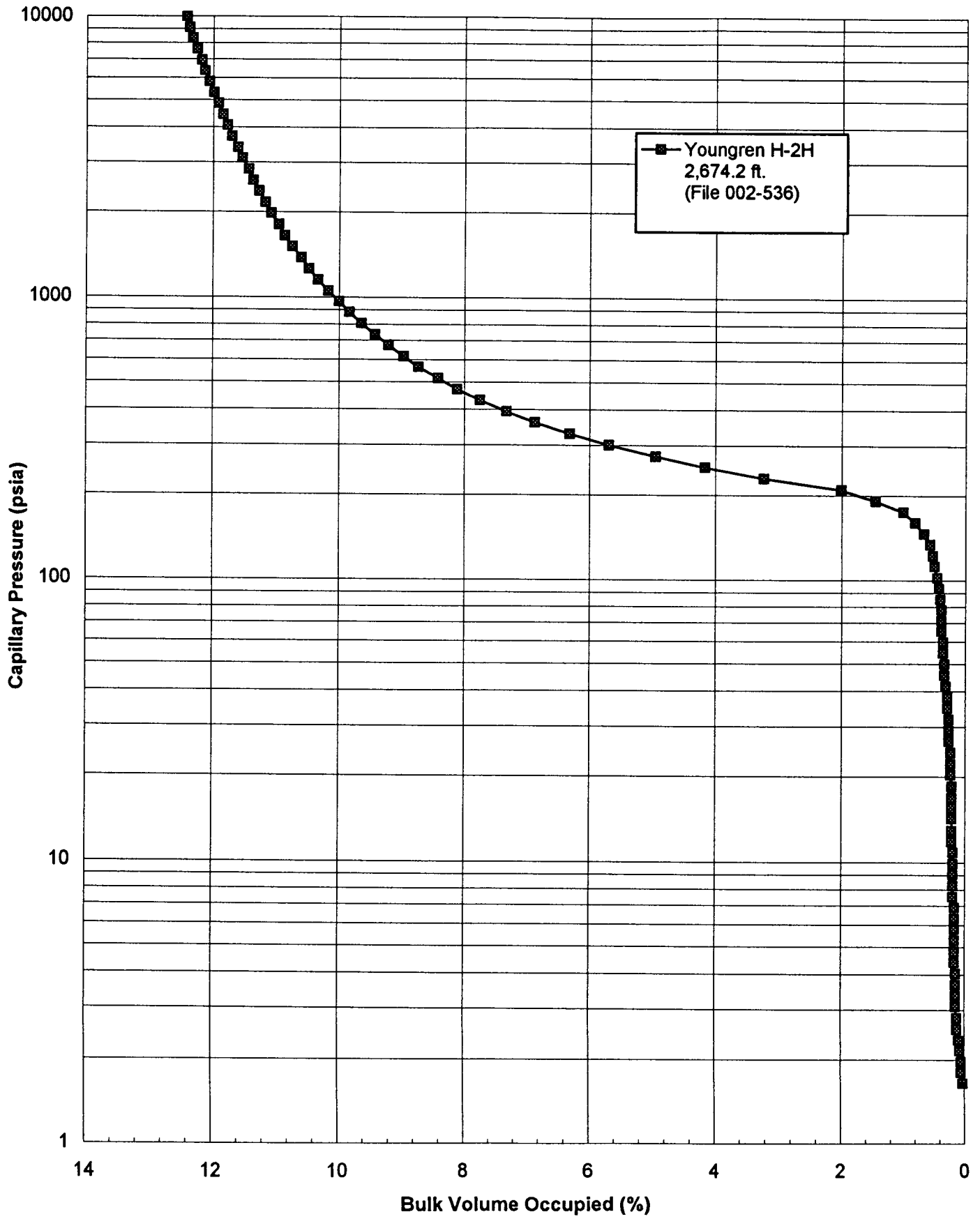
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.31	100.0	0.00	0.0000
45.5	4.69	0.33	100.0	0.00	0.0000
49.8	4.28	0.33	100.0	0.00	0.0000
54.5	3.91	0.36	100.0	0.00	0.0000
59.6	3.58	0.36	100.0	0.00	0.0000
65.2	3.27	0.38	100.0	0.00	0.0000
71.3	2.99	0.38	100.0	0.00	0.0000
78.0	2.73	0.38	100.0	0.00	0.0000
85.3	2.50	0.41	100.0	0.00	0.0000
93.4	2.28	0.43	100.0	0.00	0.0000
102	2.09	0.45	100.0	0.00	0.0000
112	1.90	0.50	100.0	0.00	0.0000
122	1.75	0.53	99.8	0.19	0.0192
134	1.59	0.57	99.4	0.38	0.0319
146	1.46	0.67	98.7	0.77	0.0639
160	1.33	0.81	97.5	1.15	0.0821
175	1.22	1.00	96.0	1.53	0.1022
191	1.12	1.46	92.3	3.64	0.2275
209	1.02	2.01	87.9	4.41	0.2448
229	0.932	3.23	78.2	9.77	0.4885
251	0.850	4.16	70.7	7.47	0.3396
274	0.779	4.95	64.4	6.32	0.2749
300	0.711	5.69	58.4	5.94	0.2284
328	0.650	6.32	53.4	4.98	0.1779
359	0.594	6.87	49.0	4.41	0.1421
393	0.543	7.32	45.4	3.64	0.1071
430	0.496	7.75	42.0	3.45	0.0932
470	0.454	8.11	39.1	2.87	0.0718
514	0.415	8.42	36.6	2.49	0.0566
563	0.379	8.73	34.1	2.49	0.0508
615	0.347	8.97	32.2	1.92	0.0368
673	0.317	9.21	30.3	1.92	0.0330
736	0.290	9.43	28.5	1.72	0.0274
806	0.265	9.64	26.8	1.72	0.0246
881	0.242	9.83	25.3	1.53	0.0204
964	0.221	10.00	23.9	1.34	0.0162
1050	0.203	10.17	22.6	1.34	0.0156
1150	0.186	10.34	21.3	1.34	0.0134
1260	0.169	10.48	20.1	1.15	0.0104
1380	0.155	10.60	19.2	0.96	0.0080
1510	0.141	10.74	18.0	1.15	0.0088
1650	0.129	10.86	17.0	0.96	0.0068

Mercury Injection Capillary Pressure

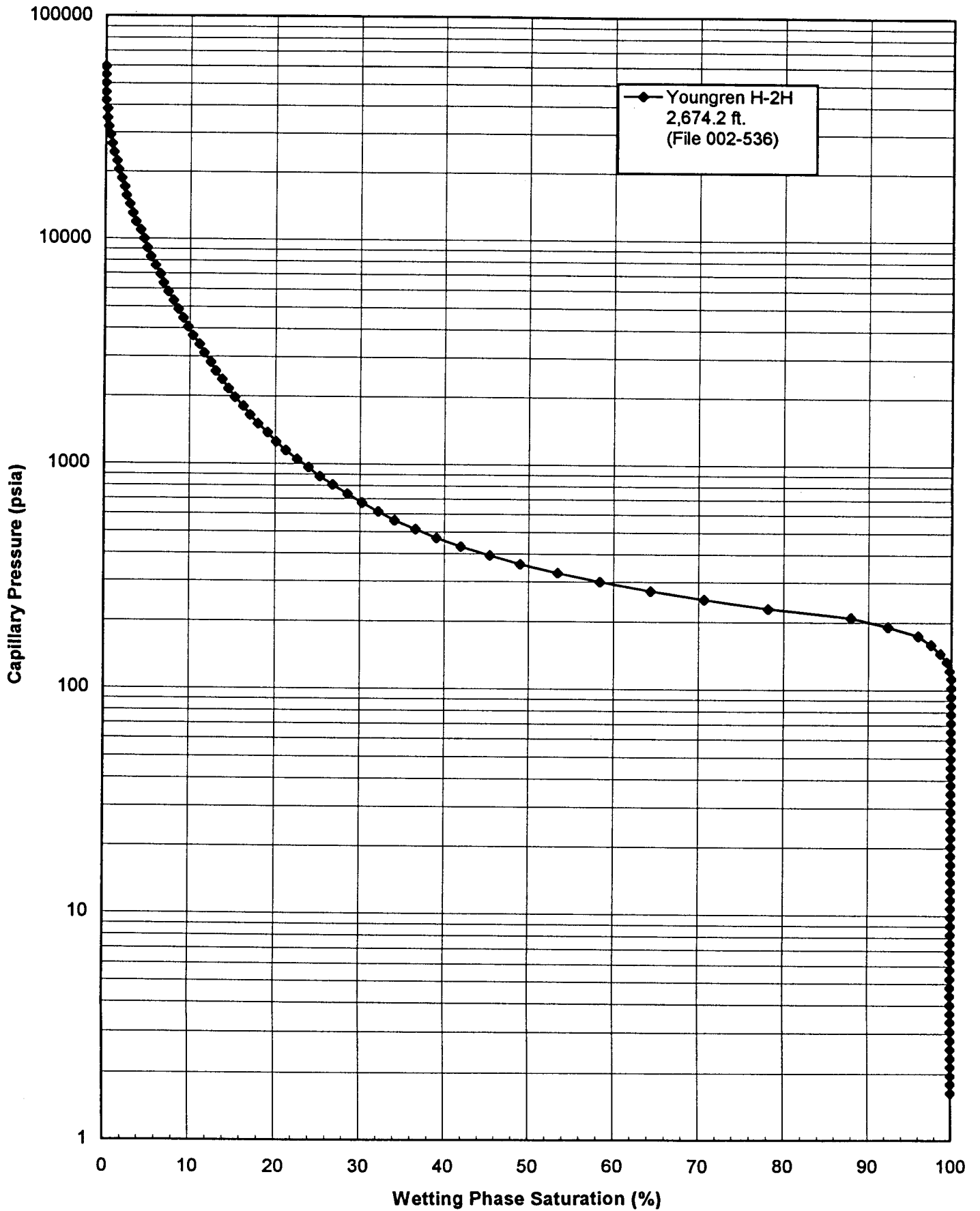
Youngren H-2H : 2,674.2 feet
File 002-536

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	10.96	16.3	0.77	0.0048
1980	0.1077	11.08	15.3	0.96	0.0056
2160	0.0988	11.17	14.6	0.77	0.0043
2370	0.0900	11.27	13.8	0.77	0.0036
2590	0.0824	11.36	13.0	0.77	0.0035
2830	0.0754	11.44	12.5	0.57	0.0024
3100	0.0688	11.53	11.7	0.77	0.0028
3390	0.0629	11.60	11.1	0.57	0.0020
3710	0.0575	11.70	10.3	0.77	0.0024
4060	0.0525	11.77	9.8	0.57	0.0016
4440	0.0480	11.84	9.2	0.57	0.0015
4850	0.0440	11.92	8.6	0.57	0.0014
5310	0.0402	11.99	8.0	0.57	0.0012
5810	0.0367	12.06	7.5	0.57	0.0011
6360	0.0335	12.13	6.9	0.57	0.0010
6950	0.0307	12.18	6.5	0.38	0.0006
7610	0.0280	12.25	5.9	0.57	0.0009
8320	0.0256	12.32	5.4	0.57	0.0008
9100	0.0234	12.37	5.0	0.38	0.0005
9960	0.0214	12.42	4.6	0.38	0.0004
10900	0.0196	12.47	4.2	0.38	0.0004
11900	0.0179	12.54	3.6	0.57	0.0006
13000	0.0164	12.59	3.3	0.38	0.0003
14300	0.0149	12.63	2.9	0.38	0.0003
15600	0.0137	12.68	2.5	0.38	0.0003
17100	0.0125	12.70	2.3	0.19	0.0001
18700	0.0114	12.75	1.9	0.38	0.0002
20400	0.0105	12.80	1.5	0.38	0.0002
22300	0.0096	12.82	1.3	0.19	0.0001
24400	0.0087	12.87	1.0	0.38	0.0002
26700	0.0080	12.90	0.8	0.19	0.0001
29300	0.0073	12.92	0.6	0.19	0.0001
32000	0.0067	12.94	0.4	0.19	0.0001
35000	0.0061	12.97	0.2	0.19	0.0001
38300	0.0056	12.97	0.2	0.00	0.0000
41900	0.0051	12.99	0.0	0.19	0.0001
45800	0.0047	12.99	0.0	0.00	0.0000
50100	0.0043	12.99	0.0	0.00	0.0000
54800	0.0039	12.99	0.0	0.00	0.0000
59500	0.0036	12.99	0.0	0.00	0.0000

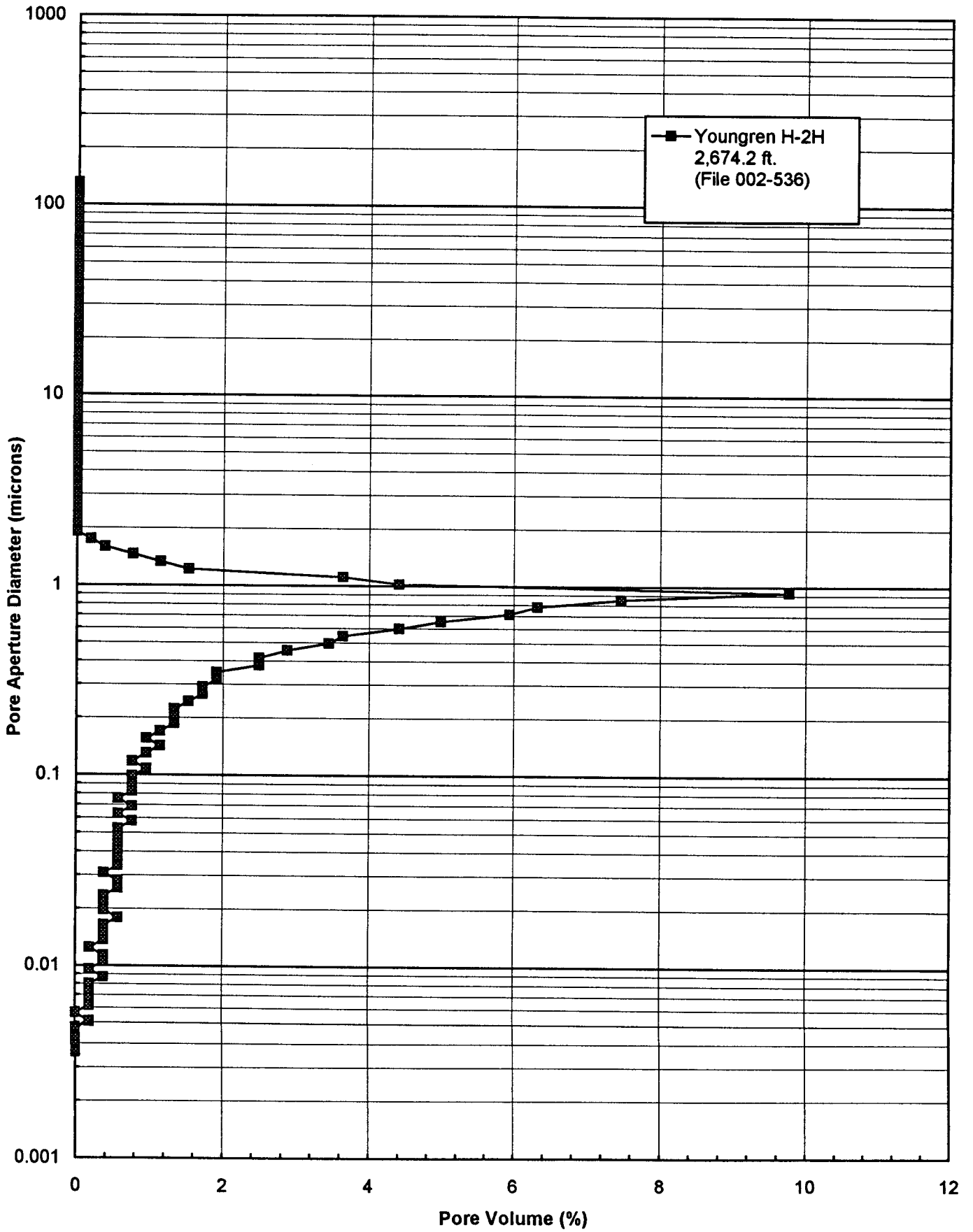
Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution



Mercury Injection Capillary Pressure

Youngren H-2H : 2,687.0 feet
File 002-532

Sample Information	
Bulk Volume = 9.9541 cc	Porosity = 9.5% (mercury)
Pore Volume = 0.9435 cc	Permeability = 0.0210 md (mercury)
Closure = 0.40%BV @ 470 psia	Median Pore Aperture = 0.1208 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	0.05	100.0	0.00	0.0000
2.15	99.2	0.07	100.0	0.00	0.0000
2.35	90.8	0.10	100.0	0.00	0.0000
2.57	83.0	0.10	100.0	0.00	0.0000
2.81	75.9	0.12	100.0	0.00	0.0000
3.08	69.3	0.12	100.0	0.00	0.0000
3.37	63.3	0.15	100.0	0.00	0.0000
3.68	58.0	0.15	100.0	0.00	0.0000
4.03	52.9	0.15	100.0	0.00	0.0000
4.41	48.4	0.15	100.0	0.00	0.0000
4.82	44.3	0.17	100.0	0.00	0.0000
5.27	40.5	0.17	100.0	0.00	0.0000
5.77	37.0	0.17	100.0	0.00	0.0000
6.31	33.8	0.17	100.0	0.00	0.0000
6.90	30.9	0.17	100.0	0.00	0.0000
7.55	28.3	0.17	100.0	0.00	0.0000
8.26	25.8	0.17	100.0	0.00	0.0000
9.04	23.6	0.17	100.0	0.00	0.0000
9.89	21.6	0.20	100.0	0.00	0.0000
10.8	19.8	0.20	100.0	0.00	0.0000
11.8	18.1	0.20	100.0	0.00	0.0000
12.9	16.5	0.20	100.0	0.00	0.0000
14.2	15.0	0.20	100.0	0.00	0.0000
15.5	13.8	0.20	100.0	0.00	0.0000
16.9	12.6	0.20	100.0	0.00	0.0000
18.5	11.5	0.20	100.0	0.00	0.0000
20.3	10.5	0.20	100.0	0.00	0.0000
22.2	9.61	0.22	100.0	0.00	0.0000
24.3	8.78	0.22	100.0	0.00	0.0000
26.6	8.02	0.22	100.0	0.00	0.0000
29.0	7.36	0.22	100.0	0.00	0.0000
31.8	6.71	0.22	100.0	0.00	0.0000
34.8	6.13	0.22	100.0	0.00	0.0000
38.0	5.61	0.25	100.0	0.00	0.0000

Mercury Injection Capillary Pressure

Youngren H-2H : 2,687.0 feet
File 002-532

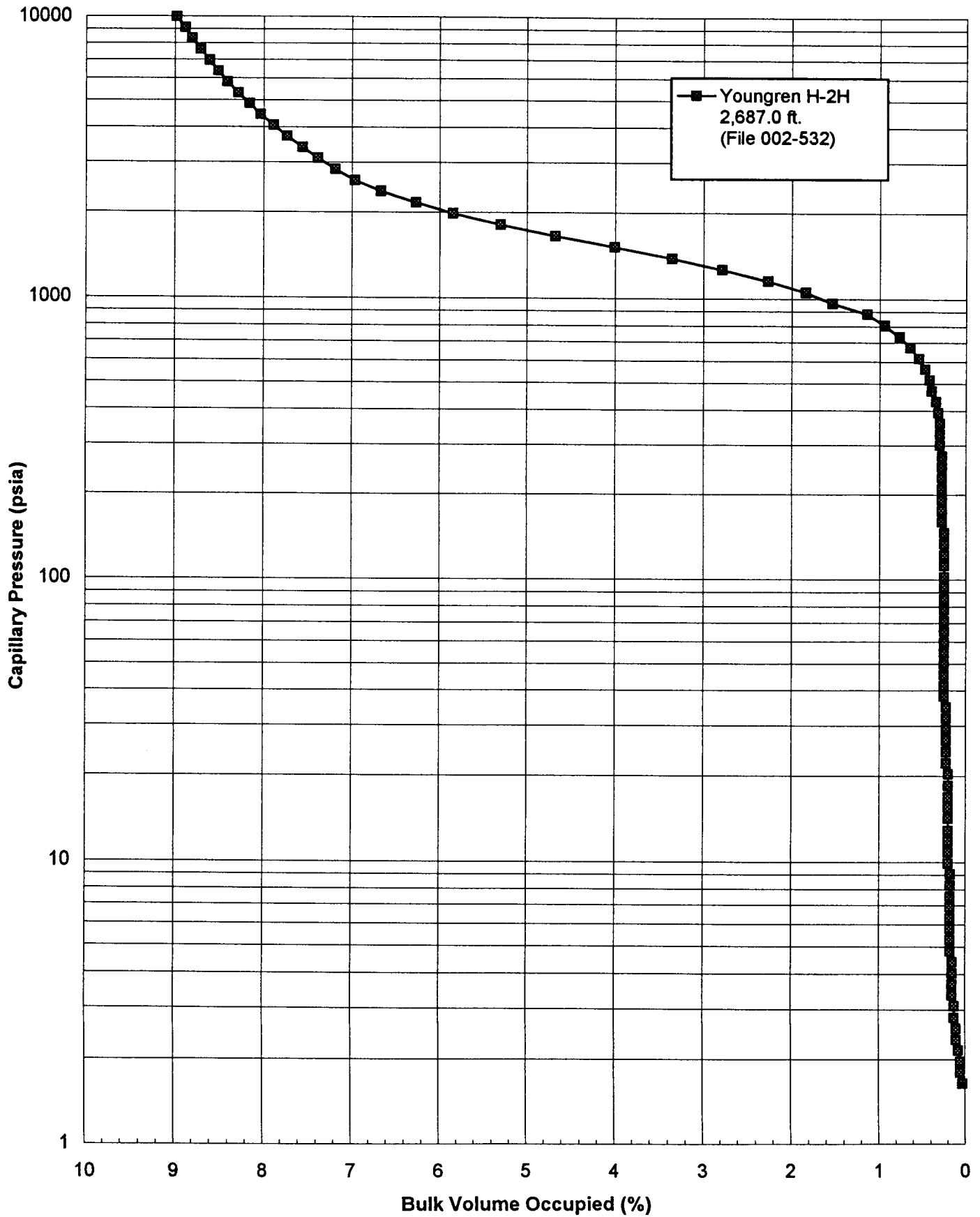
Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
41.6	5.13	0.25	100.0	0.00	0.0000
45.5	4.69	0.25	100.0	0.00	0.0000
49.8	4.28	0.25	100.0	0.00	0.0000
54.5	3.91	0.25	100.0	0.00	0.0000
59.6	3.58	0.25	100.0	0.00	0.0000
65.2	3.27	0.25	100.0	0.00	0.0000
71.3	2.99	0.25	100.0	0.00	0.0000
78.0	2.73	0.25	100.0	0.00	0.0000
85.3	2.50	0.25	100.0	0.00	0.0000
93.4	2.28	0.25	100.0	0.00	0.0000
102	2.09	0.25	100.0	0.00	0.0000
112	1.90	0.25	100.0	0.00	0.0000
122	1.75	0.25	100.0	0.00	0.0000
134	1.59	0.25	100.0	0.00	0.0000
146	1.46	0.25	100.0	0.00	0.0000
160	1.33	0.27	100.0	0.00	0.0000
175	1.22	0.27	100.0	0.00	0.0000
191	1.12	0.27	100.0	0.00	0.0000
209	1.02	0.27	100.0	0.00	0.0000
229	0.932	0.27	100.0	0.00	0.0000
251	0.850	0.27	100.0	0.00	0.0000
274	0.779	0.27	100.0	0.00	0.0000
300	0.711	0.30	100.0	0.00	0.0000
328	0.650	0.30	100.0	0.00	0.0000
359	0.594	0.30	100.0	0.00	0.0000
393	0.543	0.32	100.0	0.00	0.0000
430	0.496	0.35	100.0	0.00	0.0000
470	0.454	0.40	100.0	0.00	0.0000
514	0.415	0.42	99.7	0.26	0.0060
563	0.379	0.47	99.2	0.52	0.0107
615	0.347	0.55	98.4	0.79	0.0151
673	0.317	0.65	97.4	1.05	0.0181
736	0.290	0.77	96.1	1.31	0.0208
806	0.265	0.95	94.2	1.84	0.0262
881	0.242	1.14	92.1	2.10	0.0280
964	0.221	1.54	87.9	4.20	0.0506
1050	0.203	1.84	84.8	3.15	0.0366
1150	0.186	2.26	80.3	4.46	0.0446
1260	0.169	2.79	74.8	5.51	0.0501
1380	0.155	3.36	68.8	6.04	0.0503
1510	0.141	4.01	61.9	6.82	0.0525
1650	0.129	4.68	54.9	7.09	0.0506

Mercury Injection Capillary Pressure

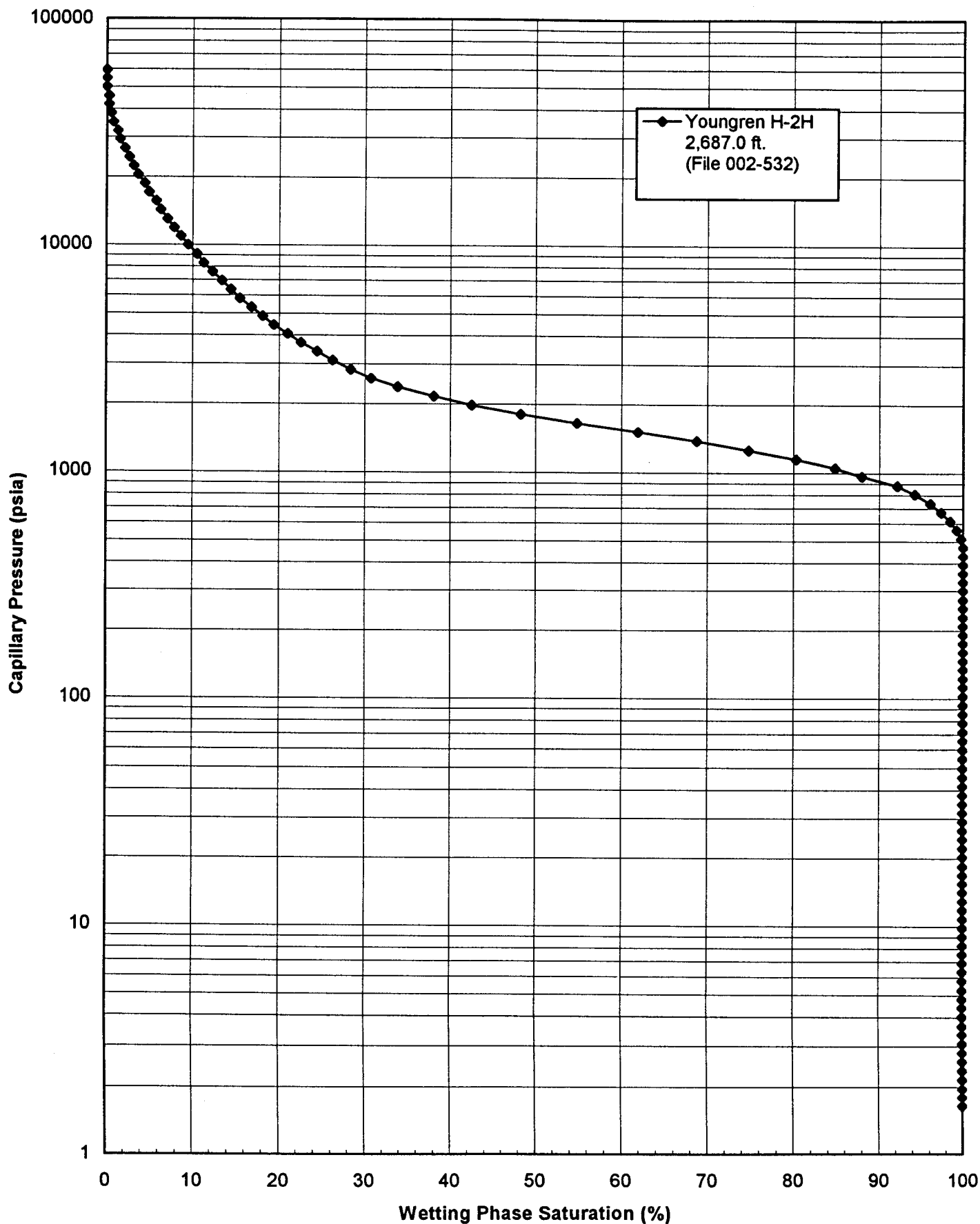
Youngren H-2H : 2,687.0 feet
File 002-532

Capillary Pressure (psia)	Pore Aperture Diameter (microns)	Cumulative Bulk Vol. (%)	Wetting Phase Saturation (%)	Incremental Wetting Phase Change (%)	Saturation Change per psia
1810	0.1179	5.30	48.3	6.56	0.0410
1980	0.1077	5.85	42.5	5.77	0.0340
2160	0.0988	6.27	38.1	4.46	0.0248
2370	0.0900	6.67	33.9	4.20	0.0200
2590	0.0824	6.97	30.7	3.15	0.0143
2830	0.0754	7.19	28.3	2.36	0.0098
3100	0.0688	7.39	26.2	2.10	0.0078
3390	0.0629	7.56	24.4	1.84	0.0063
3710	0.0575	7.74	22.6	1.84	0.0057
4060	0.0525	7.89	21.0	1.57	0.0045
4440	0.0480	8.04	19.4	1.57	0.0041
4850	0.0440	8.16	18.1	1.31	0.0032
5310	0.0402	8.28	16.8	1.31	0.0029
5810	0.0367	8.41	15.5	1.31	0.0026
6360	0.0335	8.51	14.4	1.05	0.0019
6950	0.0307	8.61	13.4	1.05	0.0018
7610	0.0280	8.71	12.3	1.05	0.0016
8320	0.0256	8.81	11.3	1.05	0.0015
9100	0.0234	8.88	10.5	0.79	0.0010
9960	0.0214	8.98	9.4	1.05	0.0012
10900	0.0196	9.06	8.7	0.79	0.0008
11900	0.0179	9.13	7.9	0.79	0.0008
13000	0.0164	9.20	7.1	0.79	0.0007
14300	0.0149	9.28	6.3	0.79	0.0006
15600	0.0137	9.33	5.8	0.52	0.0004
17100	0.0125	9.40	5.0	0.79	0.0005
18700	0.0114	9.45	4.5	0.52	0.0003
20400	0.0105	9.53	3.7	0.79	0.0005
22300	0.0096	9.58	3.1	0.52	0.0003
24400	0.0087	9.63	2.6	0.52	0.0002
26700	0.0080	9.68	2.1	0.52	0.0002
29300	0.0073	9.73	1.6	0.52	0.0002
32000	0.0067	9.75	1.3	0.26	0.0001
35000	0.0061	9.80	0.8	0.52	0.0002
38300	0.0056	9.83	0.5	0.26	0.0001
41900	0.0051	9.85	0.3	0.26	0.0001
45800	0.0047	9.85	0.3	0.00	0.0000
50100	0.0043	9.88	0.0	0.26	0.0001
54800	0.0039	9.88	0.0	0.00	0.0000
59500	0.0036	9.88	0.0	0.00	0.0000

Mercury Injection Capillary Pressure (Bulk Volume)



Mercury Injection Capillary Pressure (Pore Volume)



Pore Aperture Size Distribution

