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**CHARACTERIZATION AND ANALYSIS OF DEVONIAN SHALES AS RELATED
TO RELEASE OF GASEOUS HYDROCARBONS**

Well N-1 Henderson County, Illinois

Well N-2 Tazewell County, Illinois

By
R. S. Kalyoncu
J. P. Boyer
M. J. Snyder

June 15, 1979
Date Published

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U. S. DEPARTMENT OF ENERGY

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FROM THE PROGRAM ON

CHARACTERIZATION AND ANALYSIS OF
DEVONIAN SHALES AS RELATED TO
RELEASE OF GASEOUS HYDROCARBONS

WELL N-1 HENDERSON COUNTY, ILLINOIS

and

WELL N-2 TAZEVELL COUNTY, ILLINOIS

by

R. S. Kalyoncu, J. P. Boyer,
and M. J. Snyder

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LIST OF CONTRIBUTORS

M. J. Snyder, Program Manager
R. S. Kalyoncu, Principal Investigator
J. P. Boyer, AID Analysis
C. A. Alexander
D. Chase
R. W. Coutant
J. W. Lennon
D. W. Pickett
M. Rausch
A. J. Roese
A. J. Walker
M. V. Weaver

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WELL N-1 HENDERSON COUNTY, ILLINOIS

and

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by

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and M. J. Snyder

INTRODUCTION AND SUMMARY

This Individual Well Report presents and discusses the characterization data on the N-1 (Henderson County, Illinois) and N-2 (Tazewell County, Illinois) wells.

Core sampling, hydrocarbon gas contents, chemical and physical characterization data are presented.

Core samples from these two Illinois basin wells were obtained in July and August 1977. Thirty-one and twenty-three samples were obtained from N-1 and N-2 wells, respectively, amounting to total core length of 940 feet.

Shales from Illinois basin wells (such as N-1 and N-2) are characterized by very low hydrocarbon gas contents. In fact, the N-1 and N-2 wells exhibited the lowest hydrocarbon gas contents among all the wells thus far analyzed.

The chemical analysis of these shales also indicate rather low carbon and hydrogen contents, supporting the hydrocarbon gas release data.

One significant aspect of the physical characterization data is high porosity associated with low bulk densities. N-1 and N-2 shales exhibit the highest pore volume of any shales from either basin (Appalachian and Illinois).

Lithology of these shales does not significantly differ from those of other locations. These shales exhibit relatively low carbonates.

OBJECTIVE AND SCOPE

The objective of this program is to determine the relationships between shale characteristic, hydrocarbon gas content, and well location to provide a sound basis for defining the productive capacity of the Eastern Devonian Shale deposits and for guiding research, development, and demonstration projects to enhance the recovery of natural gas from the shale deposits. The program includes a number of elemental tasks as a part of the Resource Inventory and Shale Characterization subprojects of DOE's Eastern Gas Shales Project and is designed to provide a wide variety of support data for that project.

A large number of core samples of gas bearing Eastern Devonian Shale will have been examined by the end of the program. After the characterization data for individual wells have been compiled, attempts will be made to establish the interrelationships between the shale characteristics, the hydrocarbon gas content, and well locations from which the samples were obtained, employing the Automatic Interaction Detection (AID) Analysis.

The following tasks comprise the total efforts in this research program:

<u>Task</u>	<u>Descriptive Title</u>
1	Core Sampling
2	Gas Content and Gas Release Kinetics
3	Chemical Characterization Data
4	Physical Characterization Data
5	Lithology of Shale
6	Data Interpretation and Correlation

ANALYSIS AND DISCUSSION OF THE CHARACTERIZATION DATA

Detailed descriptions of the experimental procedures employed in the execution of the elemental tasks described were reported in the Appendix of the Fifth Quarterly Technical Progress Report (ORO-5205-5) submitted to U.S./DOE in January 1978.

Task 1. Core Sampling

Well N-1 (Henderson County, Illinois) was cored and sampled in July 1977. Thirty-one samples were obtained for Battelle and 26 samples for other DOE contractors. Coring was made between depths of 319 and 670 feet. Shales from Well N-2 (Tazewell County, Illinois) were cored and sampled in August 1977. Twenty-three samples were collected for Battelle and 33 for other DOE contractors. A total of 260 feet of shale core was obtained between 898 and 1158 feet. Figures 1 through 4 give additional well and field sampling data for Wells N-1 and N-2.

Figure 1 and 2 show the time the shales were exposed to air after being taken out of the well prior to sealing in canisters.

Task 2. Gas Content and Gas Release Data

Shales from these two Illinois-Basin wells are characterized by very low hydrocarbon gas contents. Figures 5 and 6 summarize the hydrocarbon gas data for N-1 and N-2, respectively. Total hydrocarbon gas content for either well does not exceed five percent of the total gas content surrounding the immediate environment of the shales in the sealed canisters.

Statistical parameters on the initial gas analysis of the two wells are presented in Tables 7 and 8. As the two tables indicate, total hydrocarbon gas content per unit volume of shale averages 0.003 and 0.010 for N-1 and N-2, respectively. These two Illinois-Basin wells have exhibited the lowest hydrocarbon gas contents among all the wells thus far analyzed.

Due to lack of hydrocarbon gases in these shales, hydrocarbon gas release kinetics experiments have not been carried out on any of the shale samples for either of these wells.

Figures 3 and 4 show the hydrocarbon gas profiles of N-1 and N-2 shales as a function of sample depth. No significant variation in the hydrocarbon gas contents is noted for either well, as the gas contents are extremely low.

Task 3. Chemical Characterization Data

Chemical characterization data (carbon, hydrogen, and nitrogen) are depicted in Tables 9 and 10 for N-1 and N-2 shales, respectively. Carbon contents of these shales are also relatively low compared to shales from other locations. A rather large scatter is observed in the carbon contents (0.9 to 6.9 percent for N-1 shales and 1.3 to 9.2 percent by weight of shale for N-2 samples).

Figures 5 through 10 show the one-to-one relationships between various chemical data and shale depth. Within the scatter of the data, carbon contents of the N-1 well show a slight increase with depth (Figure 5), whereas the same relationship depicted in Figure 6 is not as uniform and clear for the N-2 well.

Hydrogen profiles with depth follow a similar pattern to carbon versus depth profiles of respective wells as illustrated in Figures 7 and 8.

Natural gas contents of the shales from both wells remain approximately constant as a function of organic (carbon and hydrogen) contents as illustrated in Figures 11 through 14.

Task 4. Physical Characterization Data

Partial physical characterization data, some of the statistical parameters for N-1 and N-2 shales, are shown in Tables 11 through 14. These shales have average bulk density values lower than those of other wells, which translate into high porosity values (Tables 11 and 12). Any intuitive expectation that high porosities in these shales might possibly be associated with high hydrocarbon gas contents is effectively dissipated by the data presented in Tables 11 and 12.

Surface area values of these shales are also somewhat higher than those from other geographic locations. High surface area values are in line with porosity and bulk density data.

Statistical parameters of interest for density, porosity, and surface area data are presented in Tables 13 and 14 for N-1 and N-2 shales, respectively.

Helium permeability measurements were conducted on two N-1 and N-2 shale specimens, all in the direction perpendicular to the bedding planes. All but the N-1-321 sample (permeability of 2.03×10^{-6} millidarcy) showed negligible permeability values. Total mercury porosimeter data for the two wells are given in Appendices A and B.

Porosities calculated from the density data are tabulated in Tables 15 and 16 for the two wells. Porosities were also determined using the mercury intrusion technique. These values (measured for half the samples from each well) are presented in Tables 17 and 18.

Various one-to-one relationships between physical and chemical data along with hydrocarbon gas contents are shown in Figures 15 through 30.

Task 5. Lithology of Shale

Two shale core samples from each well, namely N-1-406, N-1-547, N-2-1000, and N-2-110, were examined by SEM/EDAX and light microscope. The N-1 samples contained like amounts of illite, quartz, and pyrite and relatively low contents of carbonate minerals (as interpreted by the Ca, Mg contents from the EDAX measurements substantiated by microscopic observations).

The two N-2 shales appeared to be similar to the N-1 samples except for significantly lower carbonate contents. Basically the N-2 shales are comprised of major amounts of illite, a relatively high quartz content, and an abundance of pyrite.

Figures 31 through 34 show SEM photomicrographs of the N-1 and N-2 shales studied.

Task 6. Data Interpretation and Correlation

Extremely low hydrocarbon gas contents in these shales combined with the insufficient number of samples analyzed would severely limit the usefulness of a computer correlation analysis, such as Automatic Interaction Detection (A.I.D.). For this reason, no data correlation analysis attempts were made in the study of N-1 and N-2 shales.

TABLE 1. WELL DATA FOR N- 1

LOCATION: HENDERSON COUNTY, IL

ALTITUDE: 7720 FEET

COORDINATES: 0.00 (DEGREES.MINUTES) LATITUDE
0.00 (DEGREES.MINUTES) LONGITUDE

CORING BEGAN AT 319 FEET AND STOPPED AT 620 FEET. IT TOOK 11 BARRELS TO COMPLETE.

SAMPLES WERE RETURNED TO BATTELLE ON 7720777.

THERE WERE 31 SAMPLES COLLECTED FOR BATTELLE AND 26 SAMPLES COLLECTED FOR OTHERS.

RUN INFORMATION FROM WELL N- 1

RUN NO. 1 CORING BEGAN AT 319 FEET AND CORING STOPPED AT 348 FEET. THE AVERAGE CORING RATE IS 13.59 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN 1.15 HOURS

RUN NO. 2 CORING BEGAN AT 348 FEET AND CORING STOPPED AT 372 FEET. THE AVERAGE CORING RATE IS 12.96 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN 1.03 HOURS

RUN NO. 3 CORING BEGAN AT 372 FEET AND CORING STOPPED AT 399 FEET. THE AVERAGE CORING RATE IS 11.82 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN 1.02 HOURS

RUN NO. 4 CORING BEGAN AT 399 FEET AND CORING STOPPED AT 428 FEET. THE AVERAGE CORING RATE IS 12.07 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN 1.02 HOURS

RUN NO. 5 CORING BEGAN AT 429 FEET AND CORING STOPPED AT 459 FEET. THE AVERAGE CORING RATE IS 15.83 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .76 HOURS

RUN NO. 6 CORING BEGAN AT 459 FEET AND CORING STOPPED AT 487 FEET. THE AVERAGE CORING RATE IS 14.18 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .95 HOURS

TABLE 1. (Continued)

RUN INFORMATION FROM WELL CONTINUED N- 1

RUN NO. 7	CORING BEGAN AT 487 FEET AND CORING STOPPED AT 514 FEET. THE AVERAGE CORING RATE IS 12.74 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .95 HOURS
RUN NO. 8	CORING BEGAN AT 514 FEET AND CORING STOPPED AT 543 FEET. THE AVERAGE CORING RATE IS 13.59 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .88 HOURS
RUN NO. 9	CORING BEGAN AT 543 FEET AND CORING STOPPED AT 565 FEET. THE AVERAGE CORING RATE IS 14.00 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .65 HOURS
RUN NO. 10	CORING BEGAN AT 565 FEET AND CORING STOPPED AT 591 FEET. THE AVERAGE CORING RATE IS 14.39 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .57 HOURS
RUN NO. 11	CORING BEGAN AT 591 FEET AND CORING STOPPED AT 620 FEET. THE AVERAGE CORING RATE IS 13.69 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .73 HOURS

TABLE 2. WELL DATA FOR N- 2

LOCATION: TAZEWELL COUNTY, IL

ALTITUDE: 641 FEET

COORDINATES: 0.00 (DEGREES, MINUTES) LATITUDE
0.00 (DEGREES, MINUTES) LONGITUDECORING BEGAN AT 898 FEET AND STOPPED AT 1158 FEET. IT TOOK 9 BARRELS
TO COMPLETE.

SAMPLES WERE RETURNED TO BATTELLE ON 8/22/77.

THERE WERE 23 SAMPLES COLLECTED FOR BATTELLE AND 33 SAMPLES COLLECTED
FOR OTHERS.

RUN INFORMATION FROM WELL N- 2

6

RUN NO. 1 CORING BEGAN AT 898 FEET AND CORING STOPPED AT 920 FEET. THE
AVERAGE CORING RATE IS 12.31 MINUTES PER FOOT. THE SAMPLES WERE
ON THE SURFACE IN 1.20 HOURS

RUN NO. 2 CORING BEGAN AT 920 FEET AND CORING STOPPED AT 949 FEET. THE
AVERAGE CORING RATE IS 13.03 MINUTES PER FOOT. THE SAMPLES WERE
ON THE SURFACE IN .98 HOURS

RUN NO. 3 CORING BEGAN AT 949 FEET AND CORING STOPPED AT 978 FEET. THE
AVERAGE CORING RATE IS 12.55 MINUTES PER FOOT. THE SAMPLES WERE
ON THE SURFACE IN .88 HOURS

RUN NO. 4 CORING BEGAN AT 978 FEET AND CORING STOPPED AT 1008 FEET. THE
AVERAGE CORING RATE IS 14.00 MINUTES PER FOOT. THE SAMPLES WERE
ON THE SURFACE IN .92 HOURS

RUN NO. 5 CORING BEGAN AT 1008 FEET AND CORING STOPPED AT 1037 FEET. THE
AVERAGE CORING RATE IS 16.83 MINUTES PER FOOT. THE SAMPLES WERE
ON THE SURFACE IN 1.03 HOURS

RUN NO. 6 CORING BEGAN AT 1038 FEET AND CORING STOPPED AT 1068 FEET. THE
AVERAGE CORING RATE IS 17.67 MINUTES PER FOOT. THE SAMPLES WERE
ON THE SURFACE IN .85 HOURS

TABLE 2. (Continued)

RUN INFORMATION FROM WELL CONTINUED N- 2

RUN NO. 7	CORING BEGAN AT 1068 FEET AND CORING STOPPED AT 1098 FEET. THE AVERAGE CORING RATE IS 14.23 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .98 HOURS
RUN NO. 8	CORING BEGAN AT 1098 FEET AND CORING STOPPED AT 1128 FEET. THE AVERAGE CORING RATE IS 14.40 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .90 HOURS
RUN NO. 9	CORING BEGAN AT 1128 FEET AND CORING STOPPED AT 1158 FEET. THE AVERAGE CORING RATE IS 13.27 MINUTES PER FOOT. THE SAMPLES WERE ON THE SURFACE IN .53 HOURS

TABLE 3. FIELD SAMPLING DATA FOR WELL N 1

SAMPLE ID.	COLOR	ON SURFACE TIME	BARREL NO	SEQ NO.
N 1- 321.	SG471	.80	1	1
N 1- 331.	SG471	.88	1	2
N 1- 341.	SG471	1.13	1	3
N 1- 344.	SG471	.68	2	4
N 1- 354.	SG471	.77	2	5
N 1- 365.	SG471	.95	2	6
N 1- 372.	SG471	.72	3	7
N 1- 382.1	SG471	.80	3	8
N 1- 392.1	SG2471	.92	3	9
N 1- 401.1	SYG424	.72	4	10
N 1- 411.0	SYG424	.78	4	11
N 1- 421.1	SYG424	.92	4	12
N 1- 431.1	SYG244	.53	5	13
N 1- 441.1	SYG244	.62	5	14
N 1- 451.1	SGYR42	.68	5	15
N 1- 458.1	SY271	.60	6	16
N 1- 468.1	SY271	.78	6	17
N 1- 478.1	SY271	.87	6	18
N 1- 485.0	SGY471	.65	7	19
N 1- 495.1	SGY471	.75	7	20
N 1- 505.0	SGY271	.85	7	21
N 1- 515.2	SYRG24	.82	8	22
N 1- 525.2	SYRG24	.88	8	23
N 1- 537.2	SY271	.40	9	24
N 1- 547.1	SY271	.57	9	25
N 1- 557.2	SY271	.65	9	26
N 1- 564.3	SYR471	1.45	10	27
N 1- 574.3	SYR471	1.62	10	28
N 1- 584.3	SG471	1.70	10	29
N 1- 592.1	SG471	.52	11	30
N 1- 602.3	58571	.73	11	31
MEAN EXPOSURE TIME .83				
STANDARD DEVIATION OF EXPOSURE TIME .29				

TABLE 4. FIELD SAMPLING DATA FOR WELL N 2

SAMPLE ID.	COLOR	ON SURFACE TIME	BARREL NO	SEQ NO.
N 2- 927.	SG5/2	.83	2	1
N 2- 937.	SG4/1	1.33	2	2
N 2- 947.	SG4/1	1.58	2	3
N 2- 951.	SG4/1	.72	3	4
N 2- 961.	SG4/1	1.02	3	5
N 2- 971.	SG4/1	1.42	3	6
N 2- 980.	SG4/1	.78	4	7
N 2- 990.	SG4/1	.87	4	8
N 2-1000.	SGY4/1	1.10	4	9
N 2-1010.	BANDS	.67	5	10
N 2-1020.	BANDS	1.03	5	11
N 2-1030.	BANDS	1.23	5	12
N 2-1040.	BANDS	.78	6	13
N 2-1050.	BANDS	1.18	6	14
N 2-1060.	BANDS	1.27	6	15
N 2-1070.	SG45Y2	.63	7	16
N 2-1080.	5YR2/1	1.02	7	17
N 2-1090.	5YR2/1	1.13	7	18
N 2-1100.	5Y2/1	.60	8	19
N 2-1110.	5Y2/1	1.00	8	20
N 2-1120.	SGY4Y2	1.07	8	21
N 2-1130.	5Y4/1	.65	9	22
N 2-1140.	5Y2/1	.90	9	23
MEAN EXPOSURE TIME		.99		
STANDARD DEVIATION OF EXPOSURE TIME		.27		

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TABLE 5. INITIAL GAS RELEASE DATA

SAMPLE ID	FREE PRESSURE TORR	CORE VOLUME CC	OPEN VOLUME CC	POROSITY PCT.	GAS COMPOSITION, VOLUME PERCENT								GAS RELEASED/ UNIT VOLUME OF SHALE			SEQ NO.
					METHANE	ETHANE	PROPANE	BUTANE	PENTANE	TOTAL HYDROC.	NITROGEN	OXYGEN	DIOXIDE			
N 1- 321.	625.	336.	1114.	7.01	0.00	.50	.02	0.00	0.00	.52	93.37	5.97	.12	.00	1	
N 1- 331.	525.	389.	1061.	9.00	.15	0.00	.24	0.00	0.00	.39	97.33	1.96	.28	.00	2	
N 1- 341.	575.	505.	945.	12.44	.17	0.00	.49	0.00	0.00	.66	96.18	2.18	.91	.00	3	
N 1- 344.	620.	433.	1017.	5.75	.24	.06	0.00	.06	.02	.38	97.66	1.80	.15	.00	4	
N 1- 354.	530.	305.	1145.	7.96	.38	.13	.24	.08	.03	.86	97.62	1.40	.12	.00	5	
N 1- 365.	600.	474.	976.	13.58	.28	.05	.39	.05	.04	.81	96.84	1.76	.58	.00	6	
N 1- 372.	560.	421.	1029.	13.69	.21	.04	.31	.11	.08	.75	96.91	2.24	.11	.00	7	
N 1- 382.	575.	685.	765.	13.72	.13	0.00	0.00	.09	.06	.28	95.48	3.62	.58	.00	8	
N 1- 392.	640.	413.	1037.	11.93	.27	.04	.33	.14	.10	.88	97.40	1.53	.21	.00	9	
N 1- 401.	660.	382.	1068.	13.83	.53	.08	.37	.16	.09	1.23	96.39	1.57	.81	.00	10	
N 1- 411.	610.	385.	1065.	14.73	.44	.05	.35	.13	.08	1.05	93.02	5.09	.85	.00	11	
N 1- 421.	600.	615.	835.	11.16	.27	.04	.46	.06	.56	1.39	92.85	4.38	1.38	.01	12	
N 1- 431.	600.	381.	1069.	13.90	.96	.13	.59	.27	.14	2.09	95.34	1.96	.61	.01	13	
N 1- 441.	600.	502.	948.	13.91	.58	.09	.52	.21	.10	1.50	95.70	1.42	.14	.01	14	
N 1- 451.	610.	283.	1167.	13.30	2.30	.28	.51	.42	.20	3.71	93.14	2.50	.66	.01	15	
N 1- 458.	610.	623.	827.	12.61	1.59	.24	.38	.36	.15	2.72	93.71	1.63	1.69	.02	16	
N 1- 468.	660.	497.	953.	13.35	.65	.08	.26	.11	.06	1.16	87.16	10.56	1.16	.01	17	
N 1- 478.		445.	1005.	12.81												
N 1- 485.	600.	339.	1111.	13.60	.84	.12	.51	.24	.12	1.63	95.23	1.87	.61	.00	19	
N 1- 495.	640.	320.	1130.	13.23	.55	.04	.41	.09	.04	1.13	91.37	6.90	.59	.00	20	
N 1- 505.	620.	325.	1125.	12.42	2.03	.22	.40	.35	.16	3.16	92.09	2.35	2.07	.01	21	
N 1- 515.	600.	471.	979.	14.45	.57	.06	.28	.13	.08	1.12	96.42	2.37	.10	.00	22	
N 1- 525.	600.	246.	1204.	13.39	1.65	.18	.54	.39	.22	2.98	94.47	1.54	1.02	.00	23	
N 1- 537.	700.	188.	1262.	15.27	1.76	.10	.39	.36	.10	2.71	94.64	1.73	1.04	.00	24	
N 1- 547.	550.	496.	954.	12.87	.75	0.00	.55	.22	.14	1.66	92.16	3.96	2.23	.01	25	
N 1- 557.	590.	266.	1184.	13.23	1.52	.12	.34	.39	.22	2.59	94.24	1.34	1.52	.00	26	
N 1- 564.	600.	324.	1126.	12.52	.93	.41	.79	.01	.04	2.18	92.73	3.32	1.98	.00	27	
N 1- 574.	600.	388.	1062.	14.15	.81	0.00	.47	.12	.08	1.48	90.78	4.73	2.93	.00	28	
N 1- 584.	650.	278.	1172.	9.91	.43	0.00	0.00	0.00	0.00	.43	87.91	8.83	2.81	.00	29	
N 1- 592.	600.	471.	979.	10.30	.30	.21	.18	.01	.02	.72	92.16	2.39	3.77	.00	30	
N 1- 602.	590.	335.	1115.	9.89	.39	0.00	.22	.02	0.00	.63	94.62	2.66	2.04	.00	31	

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TABLE 5. INITIAL GAS RELEASE DATA: WELL N 2

SAMPLE ID	PRESSURE TURN	FREE	CORE	OPEN	GAS COMPOSITION, VOLUME PERCENT									GAS RELEASED/		SEQ NO.
		VOLUME CC	VOLUME CC	POROSITY PCT.	METHANE	ETHANE	PROPANE	BUTANE	PENTANE	HYDROC.	NITROGEN	OXYGEN	DIOXIDE	UNIT VOLUME OF SHALE		
N 2- 927.	550.	515.	935.	11.87	.50	0.00	.43	0.00	0.00	.93	46.90	1.35	.86	.00	1	
N 2- 937.	550.	812.	638.	12.12	.18	0.00	.37	0.00	0.00	.55	46.30	1.35	1.79	.01	2	
N 2- 947.	700.	706.	744.	11.30	.20	0.00	.26	0.00	0.00	.46	44.90	2.31	2.26	.00	3	
N 2- 951.	540.	460.	990.	11.21	.58	0.00	0.00	0.00	0.00	.58	45.79	1.35	2.23	.00	4	
N 2- 961.	540.	944.	506.	11.56	.43	0.00	0.00	0.00	0.00	.43	45.50	1.34	2.79	.01	5	
N 2- 971.	580.	416.	1034.	11.90	.64	0.00	.65	.48	0.00	1.77	46.00	1.36	1.88	.01	6	
N 2- 980.	625.	602.	848.	10.74	.28	0.00	0.00	0.00	0.00	.28	42.50	4.37	2.93	.00	7	
N 2- 990.	600.	619.	831.	11.79	.31	0.00	.71	0.00	0.00	1.02	43.70	1.29	4.05	.01	8	
N 2-1000.	625.	515.	935.	12.46	.64	0.00	0.00	.71	0.00	1.35	41.00	5.86	22.48	.01	9	
N 2-1010.	600.	796.	654.	11.78	.28	0.00	.29	.61	0.00	1.18	43.60	1.47	3.30	.01	10	
N 2-1020.	580.	539.	911.	11.76	.78	0.00	.60	.26	.08	1.72	45.70	1.38	1.23	.01	11	
N 2-1030.	550.	612.	838.	11.41	.87	.48	.63	.26	.11	2.35	45.30	1.31	1.04	.01	12	
N 2-1040.	600.	526.	924.	11.79	.62	.30	.41	.11	0.00	1.44	40.60	1.32	2.56	.01	13	
N 2-1050.	600.	498.	952.	11.02	.55	.10	.26	.10	.10	1.11	40.90	1.33	2.66	.00	14	
N 2-1060.	650.	806.	644.	10.09	.49	.35	.57	.10	0.00	1.51	40.60	6.55	2.39	.02	15	
N 2-1070.	600.	495.	955.	10.14	1.35	1.08	1.10	.40	.08	4.01	45.30	1.28	1.43	.02	16	
N 2-1080.	600.	593.	857.	7.58	2.18	.65	1.43	.51	.14	4.91	42.60	1.32	1.12	.03	17	
N 2-1090.	650.	692.	758.	6.39	1.58	1.50	.74	.26	.05	4.13	47.20	4.84	1.82	.03	18	
N 2-1100.	650.	639.	811.	3.24	.53	.61	.12	0.00	0.00	1.26	45.40	10.80	1.99	.01	19	
N 2-1110.	625.	629.	821.	6.36	1.40	.70	.24	.13	0.00	2.47	46.30	7.95	3.32	.02	20	
N 2-1120.	600.	487.	963.	9.06	.22	0.00	.53	.09	0.00	.84	43.50	2.21	3.43	.00	21	
N 2-1130.	625.	694.	756.	8.38	.11	0.00	.34	.06	0.00	.51	40.30	5.50	3.74	.00	22	
N 2-1140.	675.	DATA ARE INCOMPLETE			0.00	0.00	.23	0.00	0.00	.23	45.50	9.44	3.85	INCOMPLETE 23		

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TABLE 7. STATISTICAL ANALYSES OF OFF GAS DATA

WELL N 1							
	MEAN	STANDARD DEVIATION	VARIANCE	COEFFICIENT OF DEVIATION	95 PCT. CONFIDENCE INTERVAL		NO OF SAMPLES
					LOWER LIMIT	UPPER LIMIT	
METHANE, PERCENT	.699	.62	.38	.88	.473	.926	31
ETHANE, PERCENT	.105	.12	.01	1.16	.061	.150	31
PROPANE, PERCENT	.334	.19	.04	.58	.263	.404	31
BUTANE, PERCENT	.148	.14	.02	.92	.098	.198	31
PENTANE, PERCENT	.095	.11	.01	1.15	.055	.134	31
TOTAL HYDROCARBONS, PCT	1.381	.95	.91	.69	1.031	1.731	31
NITROGEN, PERCENT	91.126	17.12	292.94	.19	84.849	97.404	31
OXYGEN, PERCENT	3.083	2.32	5.38	.75	2.232	3.934	31
CARBON DIOXIDE, PERCENT	1.067	.96	.93	.90	.713	1.421	31
GAS VOLUME/SHALE VOLUME	.003	.01	.00	1.79	0.000	.005	30

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TABLE 8. STATISTICAL ANALYSES OF OFF GAS DATA

WELL N 2							
	MEAN	STANDARD DEVIATION	VARIANCE	COEFFICIENT OF DEVIATION	95 PCT. CONFIDENCE INTERVAL		NO OF SAMPLES
					LOWER LIMIT	UPPER LIMIT	
METHANE, PERCENT	.640	.53	.28	.83	.411	.869	23
ETHANE, PERCENT	.251	.41	.17	1.64	.073	.428	23
PROPANE, PERCENT	.431	.35	.13	.82	.277	.584	23
BUTANE, PERCENT	.177	.22	.05	1.24	.082	.273	23
PENTANE, PERCENT	.024	.04	.00	1.82	.005	.044	23
TOTAL HYDROCARBONS, PCB	1.523	1.26	.64	.84	.970	2.077	23
NITROGEN, PERCENT	92.800	3.41	11.66	.04	91.323	94.276	23
OXYGEN, PERCENT	3.360	2.96	8.77	.88	2.079	4.641	23
CARBON DIOXIDE, PERCENT	3.270	4.29	18.41	1.31	1.414	5.125	23
GAS VOLUME/SHALE VOLUME	.010	.01	.00	.95	0.000	.014	22

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TABLE 9. CHEMICAL CHARACTERIZATION DATA, J/78

SAMPLE ID	CARBON	TOTAL, PERCENT HYDROGEN	NITROGEN	LOW TEMPERATURE 200 C	ASH, % 100 C	CARD CODE	SEQ NO.
N 1- 321.	2.0	.3	.1			5	1
N 1- 331.	2.1	.3	.1			5	2
N 1- 341.	2.4	.4	.1			5	3
N 1- 344.	2.6	.3	.1			5	4
N 1- 354.	2.2	.4	.1			5	5
N 1- 365.	2.9	.3	.1			5	6
N 1- 372.	2.8	.4	.1			5	7
N 1- 382.	2.4	.3	.1			5	8
N 1- 392.	3.6	.3	.1			5	9
N 1- 401.	2.4	.4	.1			5	10
N 1- 411.	2.4	.5	.1			5	11
N 1- 421.	2.4	.4	.1			5	12
N 1- 431.	2.4	.5	.1			5	13
N 1- 441.	2.4	.4	.1			5	14
N 1- 451.	3.6	.5	.2			5	15
N 1- 458.	5.7	.9	.1			5	16
N 1- 468.	2.7	.7	.1			5	17
N 1- 478.	2.9	.6	.1			5	18
N 1- 485.	.9	.4	.1			5	19
N 1- 495.	.8	.4	.1			5	20
N 1- 505.	4.0	.7	.1			5	21
N 1- 515.	1.9	.4	.1			5	22
N 1- 525.	1.9	.5	.1			5	23
N 1- 537.	1.8	.5	.1			5	24
N 1- 547.	3.1	.6	.1			5	25
N 1- 557.	2.3	.5	.1			5	26
N 1- 564.	3.0	.5	.1			5	27
N 1- 574.	2.4	.6	.1			5	28
N 1- 584.	6.9	.2	.1			5	29
N 1- 592.	6.0	.3	.1			5	30
N 1- 602.	5.9	.3	.1			5	31

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TABLE 10. CHEMICAL CHARACTERIZATION DATA, 3/78

SAMPLE ID	CARRON	TOTAL, PERCENT HYDROGEN	NITROGEN	LOW TEMPERATURE 200 C	ASH, % 100 C	CARD CODE	SEQ NO.
N 2- 927.	2.3	.3	.1			5	1
N 2- 937.	1.4	.4	.1			5	2
N 2- 947.	1.5	.4	.1			5	3
N 2- 951.	1.8	.3	.1			5	4
N 2- 961.	2.2	.4	.1			5	5
N 2- 971.	2.1	.4	.1			5	6
N 2- 980.	2.3	.3	.1			5	7
N 2- 990.	1.4	.4	.1			5	8
N 2-1000.	1.3	.5	.1			5	9
N 2-1010.	1.6	.4	.1			5	10
N 2-1020.	1.4	.5	.1			5	11
N 2-1030.	2.0	.5	.1			5	12
N 2-1040.	1.8	.4	.1			5	13
N 2-1050.	1.8	.4	.1			5	14
N 2-1060.	2.8	.6	.1			5	15
N 2-1070.	2.9	.6	.1			5	16
N 2-1080.	5.2	.8	.1			5	17
N 2-1090.	9.2	1.1	.2			5	18
N 2-1100.	8.3	1.1	.2			5	19
N 2-1110.	4.4	.8	.1			5	20
N 2-1120.	2.4	.7	.1			5	21
N 2-1130.	2.0	.6	.1			5	22
N 2-1140.	2.3	.5	.1			5	23

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TABLE 11. SUMMARY OF PHYSICAL CHARACTERIZATION DATA

		BULK DENSITY G/CC	OPEN POROSITY PCT	CLOSED POROSITY PCT	TOTAL POROSITY PCT	SURFACE AREA M ² /G	SEU
N	1- 321.	2.622	7.012	0.000	7.012	13.620	1
N	1- 331.	2.574	8.998	0.000	8.998	13.820	2
N	1- 341.	2.465	12.438	0.000	12.438	11.860	3
N	1- 344.	2.653	5.751	0.000	5.751	15.000	4
N	1- 354.	2.602	7.957	0.000	7.957	14.370	5
N	1- 365.	2.460	13.575	0.000	13.575	11.870	6
N	1- 372.	2.446	13.694	0.000	13.694	9.390	7
N	1- 382.	2.440	13.721	0.000	13.721	11.450	8
N	1- 392.	2.501	11.928	0.000	11.928	9.450	9
N	1- 401.	2.416	13.832	0.000	13.832	13.970	10
N	1- 411.	2.376	14.734	3.487	18.221	8.980	11
N	1- 421.	2.498	11.184	0.000	11.184	11.120	12
N	1- 431.	2.385	13.903	0.000	13.903	2.120	13
N	1- 441.	2.384	13.908	0.000	13.908	5.950	14
N	1- 451.	2.433	13.295	0.000	13.295	5.500	15
N	1- 458.	2.265	12.610	.334	12.944	10.120	16
N	1- 468.	2.358	13.346	0.000	13.346	8.600	17
N	1- 478.	2.368	12.810	0.000	12.810	9.820	18
N	1- 485.	2.411	13.603	0.000	13.603	8.090	19
N	1- 495.	2.421	13.228	29.808	43.036	8.510	20
N	1- 505.	2.325	12.418	0.000	12.418	8.350	21
N	1- 515.	2.407	14.446	1.890	16.336	8.710	22
N	1- 525.	2.418	13.392	0.000	13.392	8.350	23
N	1- 537.	2.357	15.264	1.466	16.735	9.000	24
N	1- 547.	2.431	12.873	0.000	12.873	8.600	25
N	1- 557.	2.421	13.225	4.251	17.476	8.870	26
N	1- 564.	2.424	12.523	0.000	12.523	10.210	27
N	1- 574.	2.355	14.153	0.000	14.153	2.520	28
N	1- 584.	2.587	9.909	0.000	9.909	3.600	29
N	1- 592.	2.564	10.300	0.000	10.300	8.600	30
N	1- 602.	2.567	9.886	0.000	9.886	8.780	31

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TABLE 12. SUMMARY OF PHYSICAL CHARACTERIZATION DATA

		BULK DENSITY G/CC	OPEN POROSITY PCT	CLOSED POROSITY PCT	TOTAL POROSITY PCT	SURFACE AREA M2/G	SEN
N	2- 927.	2.444	11.870	.517	12.448	8.060	1
N	2- 937.	2.465	12.123	0.000	12.123	4.690	2
N	2- 947.	2.233	11.303	10.037	21.340	7.510	3
N	2- 951.	2.510	11.214	0.000	11.214	7.860	4
N	2- 961.	2.487	11.555	0.000	11.555	5.320	5
N	2- 971.	2.501	11.902	7.944	19.845	9.620	6
N	2- 980.	2.534	10.736	10.211	20.947	5.510	7
N	2- 990.	2.481	11.791	12.347	24.137	6.510	8
N	2-1000.	2.440	12.462	3.505	15.967	7.070	9
N	2-1010.	2.482	11.783	12.361	24.144	9.680	10
N	2-1020.	2.451	11.756	8.882	20.638	5.620	11
N	2-1030.	2.442	11.410	2.966	14.376	7.580	12
N	2-1040.	2.498	11.791	6.197	17.988	7.550	13
N	2-1050.	2.459	11.024	3.237	14.261	5.360	14
N	2-1060.	2.425	10.085	6.825	16.909	2.740	15
N	2-1070.	2.456	10.140	4.048	14.188	7.980	16
N	2-1080.	2.346	7.581	5.219	12.800	7.010	17
N	2-1090.	2.302	6.390	0.000	6.390	10.540	18
N	2-1100.	2.323	3.238	9.203	12.441	6.090	19
N	2-1110.	2.432	6.364	3.100	9.464	5.230	20
N	2-1120.	2.502	9.055	14.867	23.922	4.610	21
N	2-1130.	2.589	8.383	2.882	11.264	5.020	22

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TABLE 13. STATISTICAL ANALYSES OF PHYSICAL CHARACTERIZATION DATA

WELL N- 1							
	MEAN	STANDARD DEVIATION	VARIANCE	COEFFICIENT OF DEVIATION	95 PCT. CONFIDENCE INTERVAL		NO OF SAMPLES
					LOWER LIMIT	UPPER LIMIT	
BULK DENSITY, G/CC	2.449	.09	.01	.04	2.415	2.484	31
APPARENT DENSITY, G/CC	2.791	.06	.00	.02	2.770	2.813	31
TRUE DENSITY, G/CC	2.641	.47	.22	.18	2.469	2.814	31
OPEN POROSITY, PCT	12.256	2.32	5.36	.19	11.406	13.105	31
CLOSED POROSITY, PCT	1.330	5.38	28.99	4.05	0.000	3.305	31
TOTAL POROSITY, PCT	13.586	6.14	37.71	.45	11.333	15.838	31
WEIGHT LOSS INITIAL, G/KG	28.343	11.22	125.90	.40	24.228	32.458	31
WEIGHT LOSS FINAL, G/KG	-5.152	3.06	9.34	-.59	0.000	-4.032	31
TOTAL WEIGHT LOSS, G/KG	23.190	10.35	107.22	.45	14.393	26.988	31
SURFACE AREA, M ² /G	9.329	3.18	10.13	.34	8.162	10.497	31

*1 IS INSIGNIFICANT

TABLE 14. STATISTICAL ANALYSES OF PHYSICAL CHARACTERIZATION DATA

WELL N- 2

	MEAN	STANDARD DEVIATION	VARIANCE	COEFFICIENT OF DEVIATION	95 PCT. CONFIDENCE INTERVAL		NO OF SAMPLES
					LOWER LIMIT	UPPER LIMIT	
BULK DENSITY, G/CC	2.448	.08	.01	.03	2.412	2.484	22
APPARENT DENSITY, G/CC	2.728	.13	.02	.05	2.669	2.788	22
TRUE DENSITY, G/CC	2.694	.72	.52	.27	2.573	3.015	22
OPEN POROSITY, PCT	10.180	2.39	5.72	.24	9.119	11.241	22
CLOSED POROSITY, PCT	5.555	4.54	20.61	.80	3.642	7.668	22
TOTAL POROSITY, PCT	15.935	5.11	26.12	.32	13.558	18.101	22
WEIGHT LOSS INITIAL, G/KG	16.913	5.46	29.77	.32	14.493	19.332	22
WEIGHT LOSS FINAL, G/KG	-4.998	1.18	1.38	-.24	0.000	-4.477	22
TOTAL WEIGHT LOSS, G/KG	11.914	4.99	24.88	.42	9.702	14.126	22
SURFACE AREA, M2/G	6.727	1.90	3.61	.28	5.884	7.570	22

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TABLE 15. TOTAL POROSITY CALCULATED FROM DENSITY DATA

SAMPLE ID.	TOTAL POROSITY, PERCENT

N 1- 321.	7.01
N 1- 331.	9.00
N 1- 341.	12.44
N 1- 344.	5.75
N 1- 354.	7.96
N 1- 365.	13.58
N 1- 372.	13.69
N 1- 382.	13.72
N 1- 392.	11.93
N 1- 401.	13.83
N 1- 411.	14.73
N 1- 421.	11.18
N 1- 431.	13.90
N 1- 441.	13.91
N 1- 451.	13.30
N 1- 458.	12.61
N 1- 468.	13.35
N 1- 478.	12.81
N 1- 485.	13.60
N 1- 495.	13.23
N 1- 505.	12.42
N 1- 515.	14.45
N 1- 525.	13.39
N 1- 537.	15.27
N 1- 547.	12.87
N 1- 557.	13.23
N 1- 564.	12.52
N 1- 574.	14.15
N 1- 584.	9.91
N 1- 592.	10.30
N 1- 602.	9.89

TABLE 16. TOTAL POROSITY CALCULATED FROM THE DENSITY DATA

SAMPLE ID.	TOTAL POROSITY, PERCENT
N 2- 927.	11.87
N 2- 937.	12.12
N 2- 947.	11.30
N 2- 951.	11.21
N 2- 961.	11.56
N 2- 971.	11.90
N 2- 980.	10.74
N 2- 990.	11.79
N 2-1000.	12.46
N 2-1010.	11.78
N 2-1020.	11.76
N 2-1030.	11.41
N 2-1040.	11.79
N 2-1050.	11.02
N 2-1060.	10.09
N 2-1070.	10.14
N 2-1080.	7.58
N 2-1090.	6.39
N 2-1100.	3.24
N 2-1110.	6.36
N 2-1120.	9.06
N 2-1130.	8.38

TABLE 17. MERCURY INTRUSION POROSITIES
FOR WELL N-1

Sequence Number	Sample I.D. Number	Porosity Percent
1	N-1-321	10.75
3	-341	11.25
5	-354	12.50
7	-372	13.00
9	-382	12.00
11	-411	12.25
13	-431	9.75
15	-451	13.50
17	-468	15.50
19	-485	15.75
21	-505	13.25
23	-525	15.25
25	-547	10.50
27	-564	19.25
29	-584	8.00
30	-592	7.00
31	-600	9.00

TABLE 18. MERCURY INTRUSION POROSITIES
OF N-2 SHALES

Sequence Number	Sample I.D. Number	Porosity Percent
1	N-2-321	14.31
3	-947	10.87
5	-961	12.46
7	-980	13.78
9	-1000	15.37
11	-1020	6.34
13	-1040	5.75
15	-1060	6.50
17	-1080	4.00
19	-1100	5.00
21	-1120	9.25
23	-1140	6.25

FIGURE 1. ON SURFACE TIME FOR WELL N-1

FIGURE 2. ON SURFACE TIME FOR WELL N-2.

FIGURE 3. HYDROCARBON GAS VERSUS DEPTH FOR WELL N-1

FIGURE 4. HYDROCARBON GAS VERSUS DEPTH FOR WELL N-2

FIGURE 5. CARBON VERSUS DEPTH FOR WELL N-1

FIGURE 6. CARBON VERSUS DEPTH FOR WELL N-2

FIGURE 7. HYDROGEN VERSUS DEPTH FOR WELL N-1

FIGURE 8. HYDROGEN VERSUS DEPTH FOR WELL N-2

FIGURE 9. HYDROGEN TO CARBON RATIO VERSUS DEPTH FOR WELL N-1

FIGURE 10. HYDROGEN TO CARBON RATIO VERSUS DEPTH FOR WELL N-2

FIGURE 11. HYDROCARBON GAS VERSUS CARBON FOR WELL N-1

FIGURE 12. HYDROCARBON GAS VERSUS CARBON FOR WELL N-2

FIGURE 13. HYDROCARBON GAS VERSUS HYDROGEN FOR WELL N-1

FIGURE 14. HYDROCARBON GAS VERSUS HYDROGEN FOR WELL N-2

FIGURE 15. BULK DENSITY VERSUS HYDROCARBON FOR WELL N-1

FIGURE 16. BULK DENSITY VERSUS HYDROCARBON FOR WELL N-2

FIGURE 17. CARBON VERSUS BULK DENSITY FOR WELL N-1

FIGURE 18. CARBON VERSUS BULK DENSITY FOR WELL N-2

FIGURE 19. HYDROGEN VERSUS BULK DENSITY FOR WELL N-1

FIGURE 20. HYDROGEN VERSUS BULK DENSITY FOR WELL N-2

FIGURE 21. POROSITY VERSUS HYDROCARBON GAS FOR WELL N-1

FIGURE 22. POROSITY VERSUS HYDROCARBON GAS FOR WELL N-2

FIGURE 23. POROSITY VERSUS CARBON FOR WELL N-1

FIGURE 24. POROSITY VERSUS CARBON FOR WELL N-2

FIGURE 25. POROSITY VERSUS HYDROGEN FOR WELL N-1

FIGURE 26. POROSITY VERSUS HYDROGEN FOR WELL N-2

FIGURE 27. POROSITY VERSUS HYDROGEN TO CARBON RATIO FOR WELL N-1

FIGURE 28. POROSITY VERSUS HYDROGEN TO CARBON RATIO FOR WELL N-2

FIGURE 29. POROSITY VERSUS BULK DENSITY FOR WELL N-1

FIGURE 30. POROSITY VERSUS BULK DENSITY FOR WELL N-2

700 X

FIGURE 31. SEM MICROPHOTOGRAPHS OF SAMPLE N-1-406

700 X

FIGURE 32. SEM MICROPHOTOGRAPH OF SAMPLE N-1-547

700 X

FIGURE 33. SEM MICROPHOTOGRAPH OF SAMPLE N-2-1000

700 X

FIGURE 34. SEM MICROPHOTOGRAPH OF SAMPLE N-2-1110

APPENDIX A

MERCURY INTRUSION POROSITY DATA FOR WELL N-1

SEQUENCE NUMBER 1
PORE VOLUME .043 CC/G

POROSITY DATA FOR SAMPLE N 1- 321.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.596	15.000	.0000	.0435	.0
2.	29.392	7.500	.0020	.0414	4.6
3.	44.088	5.000	.0028	.0407	6.4
4.	58.784	3.700	.0035	.0400	8.0
5.	73.480	3.000	.0039	.0395	9.0
6.	88.176	2.500	.0043	.0392	9.8
7.	102.972	2.100	.0047	.0388	10.8
8.	117.568	1.800	.0052	.0383	11.9
9.	132.264	1.600	.0056	.0379	12.9
10.	146.960	1.500	.0058	.0376	13.4
11.	161.656	1.400	.0063	.0372	14.4
12.	176.352	1.300	.0066	.0368	15.2
13.	191.048	1.200	.0069	.0365	16.0
14.	205.744	1.100	.0073	.0362	16.8
15.	220.440	1.000	.0076	.0358	17.5
16.	235.136	.930	.0078	.0356	18.0
17.	249.832	.880	.0081	.0354	18.6
18.	264.528	.830	.0083	.0352	19.1
19.	279.224	.790	.0085	.0349	19.6
20.	293.920	.750	.0090	.0345	20.6
25.	367.400	.600	.0090	.0345	20.6
30.	440.880	.500	.0090	.0345	20.6
35.	514.360	.430	.0094	.0340	21.6
40.	587.840	.370	.0099	.0336	22.7
45.	661.320	.330	.0103	.0332	23.7
50.	734.800	.300	.0108	.0327	24.7
55.	808.280	.270	.0112	.0323	25.8
60.	881.760	.250	.0116	.0318	26.8
65.	955.240	.230	.0120	.0315	27.6
70.	1028.720	.210	.0123	.0311	28.4
75.	1102.200	.200	.0127	.0308	29.1
80.	1175.680	.180	.0130	.0305	29.9
85.	1249.160	.170	.0132	.0302	30.4

POROSITY DATA FOR SAMPLE N 1- 321.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0134	.0300	30.9
100.	1469.600	.150	.0137	.0298	31.4
110.	1616.560	.140	.0140	.0295	32.2
120.	1763.520	.130	.0143	.0291	33.0
130.	1910.480	.120	.0144	.0290	33.2
140.	2057.440	.110	.0148	.0287	34.0
150.	2204.400	.100	.0148	.0287	34.0
170.	2498.320	.088	.0155	.0280	35.6
180.	2645.280	.093	.0157	.0278	36.1
190.	2792.240	.079	.0159	.0276	36.6
200.	2939.200	.075	.0161	.0273	37.1
220.	3233.120	.068	.0164	.0271	37.6
240.	3527.040	.062	.0168	.0267	38.7
260.	3820.960	.057	.0169	.0265	38.9
280.	4114.880	.053	.0172	.0262	39.7
300.	4408.800	.050	.0177	.0258	40.7
330.	4849.680	.045	.0184	.0251	42.3
360.	5290.560	.041	.0186	.0249	42.8
390.	5731.440	.038	.0190	.0244	43.8
420.	6172.320	.035	.0194	.0241	44.6
450.	6613.200	.033	.0202	.0233	46.4
490.	7201.040	.030	.0209	.0225	48.2
510.	7494.960	.029	.0214	.0221	49.2
540.	7935.840	.027	.0221	.0214	50.8
590.	8670.640	.025	.0241	.0194	55.4
610.	8964.560	.024	.0252	.0183	58.0
640.	9405.440	.023	.0279	.0156	64.2
700.	10287.200	.021	.0308	.0127	70.9
740.	10875.040	.020	.0334	.0101	76.8
770.	11315.920	.019	.0347	.0087	79.9
800.	11756.800	.019	.0364	.0071	83.8
830.	12197.680	.018	.0379	.0056	87.1
860.	12638.560	.017	.0389	.0046	89.4
900.	13226.400	.017	.0400	.0035	92.0
930.	13667.280	.016	.0412	.0022	94.8
960.	13961.200	.016	.0426	.0009	97.9
1000.	14696.000	.014	.0435	.0000	100.0

PCROSITY DATA FOR SAMPLE N 1- 341.

SEQUENCE NUMBER 3
PORE VOLUME .045 CC/G

	PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PCRE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.		14.696	15.000	.0000	.0446	.0
2.		29.392	7.500	.0009	.0437	2.1
3.		44.088	5.000	.0009	.0437	2.1
4.		58.784	3.700	.0009	.0437	2.1
5.		73.480	3.000	.0011	.0435	2.4
6.		88.176	2.500	.0011	.0435	2.4
7.		102.872	2.100	.0011	.0435	2.4
8.		117.568	1.800	.0011	.0435	2.4
9.		132.264	1.600	.0011	.0435	2.4
10.		146.960	1.500	.0011	.0435	2.4
11.		161.656	1.400	.0016	.0430	3.7
12.		176.352	1.300	.0028	.0418	6.3
13.		191.048	1.200	.0033	.0413	7.4
14.		205.744	1.100	.0041	.0405	9.2
15.		220.440	1.000	.0042	.0404	9.5
16.		235.136	.930	.0047	.0399	10.5
17.		249.832	.880	.0054	.0392	12.1
18.		264.528	.830	.0059	.0387	13.2
19.		279.224	.790	.0068	.0378	15.3
20.		293.920	.750	.0068	.0378	15.3
25.		367.400	.600	.0070	.0376	15.8
30.		440.880	.500	.0073	.0373	16.3
35.		514.360	.430	.0082	.0364	16.4
40.		587.840	.370	.0092	.0354	20.5
45.		661.320	.330	.0101	.0345	22.6
50.		734.800	.300	.0110	.0336	24.7
55.		808.280	.270	.0115	.0331	25.8
60.		881.760	.250	.0120	.0326	26.8
65.		955.240	.230	.0123	.0323	27.6
70.		1028.720	.210	.0127	.0319	28.4
75.		1102.200	.200	.0133	.0313	29.7
80.		1175.680	.180	.0138	.0307	31.1
85.		1249.160	.170	.0142	.0304	31.8

POROSITY DATA FOR SAMPLE N 1- 341.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0146	.0300	32.6
100.	1469.600	.150	.0148	.0298	33.2
110.	1616.560	.140	.0153	.0293	34.2
120.	1763.520	.130	.0155	.0291	34.7
130.	1910.480	.120	.0161	.0285	36.1
140.	2057.440	.110	.0170	.0276	38.2
150.	2204.400	.100	.0170	.0276	38.2
170.	2498.320	.088	.0178	.0268	40.0
180.	2645.280	.083	.0180	.0266	40.3
190.	2792.240	.079	.0185	.0261	41.6
200.	2939.200	.075	.0185	.0261	41.6
220.	3233.120	.068	.0195	.0251	43.7
240.	3527.040	.062	.0197	.0249	44.2
260.	3820.960	.057	.0198	.0248	44.5
280.	4114.880	.053	.0209	.0237	46.8
300.	4408.800	.050	.0210	.0236	47.1
330.	4849.680	.045	.0217	.0229	48.7
360.	5290.560	.041	.0221	.0225	49.5
390.	5731.440	.038	.0224	.0222	50.3
420.	6172.320	.035	.0232	.0214	52.1
450.	6613.200	.033	.0235	.0211	52.6
490.	7201.040	.030	.0244	.0202	54.7
510.	7494.960	.029	.0244	.0202	54.7
540.	7935.840	.027	.0253	.0192	56.8
590.	8670.640	.025	.0261	.0185	58.4
610.	8964.560	.024	.0269	.0177	60.3
640.	9405.440	.023	.0269	.0177	60.3
700.	10287.200	.021	.0302	.0144	67.6
740.	10875.040	.020	.0326	.0120	73.2
770.	11315.920	.019	.0354	.0092	79.5
800.	11756.800	.019	.0379	.0067	85.0
330.	12197.680	.018	.0403	.0043	90.3
360.	12638.560	.017	.0406	.0040	91.1
900.	13226.400	.017	.0427	.0019	95.8
930.	13667.280	.016	.0441	.0005	98.9
960.	13961.200	.016	.0445	.0001	99.7
1000.	14696.000	.014	.0446	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 354.

SEQUENCE NUMBER 5
PORE VOLUME .050 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0498	.0
2.	29.392	7.500	.0017	.0481	3.5
3.	44.088	5.000	.0021	.0478	4.1
4.	58.784	3.700	.0026	.0472	5.3
5.	73.480	3.000	.0030	.0469	6.0
6.	88.176	2.500	.0037	.0462	7.4
7.	102.872	2.100	.0037	.0462	7.4
8.	117.568	1.800	.0041	.0457	8.3
9.	132.264	1.600	.0046	.0452	9.2
10.	146.960	1.500	.0046	.0452	9.2
11.	161.656	1.400	.0057	.0441	11.5
12.	176.352	1.300	.0060	.0439	12.0
13.	191.048	1.200	.0063	.0435	12.7
14.	205.744	1.100	.0067	.0432	13.4
15.	220.440	1.000	.0071	.0427	14.3
16.	235.136	.930	.0073	.0425	14.7
17.	249.832	.880	.0082	.0417	16.4
18.	264.528	.830	.0082	.0417	16.4
19.	279.224	.790	.0082	.0417	16.4
20.	293.920	.750	.0087	.0411	17.5
25.	367.400	.600	.0088	.0410	17.7
30.	440.880	.500	.0090	.0409	18.0
35.	514.360	.430	.0094	.0404	18.9
40.	587.840	.370	.0099	.0400	19.8
45.	661.320	.330	.0107	.0392	21.4
50.	734.800	.300	.0115	.0384	23.0
55.	808.280	.270	.0126	.0372	25.3
60.	881.760	.250	.0138	.0361	27.6
65.	955.240	.230	.0145	.0354	29.0
70.	1028.720	.210	.0152	.0347	30.4
75.	1102.200	.200	.0157	.0341	31.6
80.	1175.680	.180	.0163	.0335	32.7
85.	1249.160	.170	.0167	.0332	33.4

POROSITY DATA FOR SAMPLE N 1- 354.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0170	.0328	34.1
100.	1469.600	.150	.0175	.0324	35.0
110.	1616.560	.140	.0179	.0319	35.9
120.	1763.520	.130	.0184	.0315	36.9
130.	1910.480	.120	.0191	.0308	38.2
140.	2057.440	.110	.0195	.0303	39.2
150.	2204.400	.100	.0195	.0303	39.2
170.	2498.320	.088	.0202	.0296	40.6
180.	2645.280	.083	.0207	.0292	41.5
190.	2792.240	.079	.0207	.0292	41.5
200.	2939.200	.075	.0211	.0287	42.4
220.	3233.120	.068	.0217	.0281	43.5
240.	3527.040	.062	.0223	.0276	44.7
260.	3820.960	.057	.0227	.0271	45.6
280.	4114.880	.053	.0230	.0269	46.1
300.	4408.800	.050	.0232	.0266	46.5
330.	4849.680	.045	.0237	.0262	47.5
360.	5290.560	.041	.0243	.0255	48.8
390.	5731.440	.038	.0248	.0250	49.8
420.	6172.320	.035	.0255	.0243	51.2
450.	6613.200	.033	.0262	.0237	52.5
490.	7201.040	.030	.0269	.0230	53.9
510.	7494.960	.029	.0269	.0230	53.9
540.	7935.840	.027	.0278	.0220	55.8
590.	8670.640	.025	.0287	.0211	57.6
610.	8964.560	.024	.0288	.0210	57.8
640.	9405.440	.023	.0299	.0200	59.9
700.	10287.200	.021	.0333	.0165	66.8
740.	10875.040	.020	.0364	.0134	73.0
770.	11315.920	.019	.0392	.0107	78.6
800.	11756.800	.019	.0409	.0090	82.0
830.	12197.640	.018	.0427	.0071	85.7
860.	12638.560	.017	.0443	.0055	88.9
900.	13226.400	.017	.0459	.0039	92.2
930.	13667.280	.016	.0475	.0023	95.4
960.	13961.200	.016	.0485	.0014	97.2
1000.	14696.000	.014	.0498	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 372.

SEQUENCE NUMBER 7
PORE VOLUME .052 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0525	.0
2.	29.392	7.500	.0028	.0497	5.3
3.	44.038	5.000	.0035	.0490	6.7
4.	58.734	3.700	.0041	.0484	7.8
5.	73.430	3.000	.0047	.0478	8.9
6.	88.176	2.500	.0056	.0469	10.7
7.	102.872	2.100	.0064	.0461	12.2
8.	117.558	1.800	.0070	.0455	13.3
9.	132.264	1.600	.0079	.0445	15.1
10.	146.950	1.500	.0083	.0442	15.8
11.	161.656	1.400	.0086	.0438	16.4
12.	176.352	1.300	.0089	.0436	16.9
13.	191.048	1.200	.0093	.0431	17.8
14.	205.744	1.100	.0098	.0427	18.7
15.	220.440	1.000	.0099	.0426	18.9
16.	235.136	.900	.0105	.0420	20.0
17.	249.832	.800	.0111	.0414	21.1
18.	264.528	.800	.0114	.0410	21.8
19.	279.224	.700	.0126	.0399	24.0
20.	293.920	.750	.0129	.0395	24.7
25.	367.400	.600	.0131	.0394	24.9
30.	440.880	.500	.0132	.0393	25.1
35.	514.360	.400	.0141	.0384	26.9
40.	587.840	.300	.0152	.0373	28.9
45.	661.320	.300	.0160	.0365	30.4
50.	734.800	.300	.0168	.0357	32.0
55.	808.280	.200	.0174	.0351	33.1
60.	881.760	.200	.0180	.0345	34.2
65.	955.240	.200	.0184	.0340	35.1
70.	1028.720	.200	.0189	.0336	36.0
75.	1102.200	.200	.0195	.0330	37.1
80.	1175.680	.100	.0201	.0324	38.2
85.	1249.160	.100	.0204	.0321	38.9

POROSITY DATA FOR SAMPLE N 1- 372.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0208	.0317	39.6
100.	1469.600	.150	.0210	.0315	40.0
110.	1616.560	.140	.0217	.0308	41.3
120.	1763.520	.130	.0217	.0303	41.3
130.	1910.480	.120	.0222	.0303	42.2
140.	2057.440	.110	.0231	.0294	44.0
150.	2204.400	.100	.0233	.0292	44.4
170.	2498.320	.088	.0234	.0290	44.7
180.	2645.280	.083	.0240	.0285	45.8
190.	2792.240	.079	.0245	.0280	46.7
200.	2939.200	.075	.0245	.0280	46.7
220.	3233.120	.068	.0252	.0273	48.0
240.	3527.040	.062	.0257	.0268	48.9
260.	3820.960	.057	.0258	.0267	49.1
280.	4114.880	.053	.0266	.0259	50.7
300.	4408.800	.050	.0269	.0255	51.3
330.	4849.680	.045	.0273	.0252	52.0
360.	5290.560	.041	.0280	.0245	53.3
390.	5731.440	.038	.0285	.0240	54.2
420.	6172.320	.035	.0287	.0238	54.7
450.	6613.200	.033	.0293	.0232	55.8
490.	7201.040	.030	.0297	.0227	56.7
510.	7494.960	.029	.0301	.0224	57.3
540.	7935.840	.027	.0306	.0219	58.2
590.	8670.640	.025	.0312	.0212	59.6
610.	8964.560	.024	.0316	.0209	60.2
640.	9405.440	.023	.0331	.0194	63.1
700.	10287.200	.021	.0368	.0156	70.2
740.	10875.040	.020	.0398	.0127	75.8
770.	11315.920	.019	.0420	.0105	80.0
800.	11756.800	.019	.0443	.0082	84.4
830.	12197.680	.018	.0462	.0063	88.0
860.	12638.560	.017	.0473	.0051	90.2
900.	13226.400	.017	.0490	.0035	93.3
930.	13667.280	.016	.0503	.0022	95.8
960.	13961.200	.016	.0506	.0019	96.4
1000.	14696.000	.014	.0525	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 382.

SEQUENCE NUMBER 8
PORE VOLUME .048 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0480	.0
2.	29.392	7.500	.0012	.0469	2.5
3.	44.088	5.000	.0024	.0457	4.9
4.	58.784	3.700	.0032	.0449	6.6
5.	73.480	3.000	.0035	.0445	7.4
6.	88.176	2.500	.0040	.0440	8.3
7.	102.872	2.100	.0045	.0436	9.3
8.	117.568	1.800	.0053	.0427	11.0
9.	132.264	1.600	.0058	.0423	12.0
10.	146.960	1.500	.0065	.0416	13.5
11.	161.656	1.400	.0065	.0416	13.5
12.	176.352	1.300	.0069	.0411	14.5
13.	191.048	1.200	.0075	.0405	15.7
14.	205.744	1.100	.0081	.0399	16.9
15.	220.440	1.000	.0087	.0393	18.1
16.	235.136	.900	.0094	.0386	19.6
17.	249.832	.800	.0095	.0385	19.9
18.	264.528	.800	.0095	.0385	19.9
19.	279.224	.790	.0106	.0374	22.1
20.	293.920	.750	.0111	.0370	23.0
25.	367.400	.600	.0112	.0368	23.3
30.	440.880	.500	.0113	.0367	23.5
35.	514.360	.400	.0120	.0360	25.0
40.	587.840	.370	.0127	.0353	26.5
45.	661.320	.330	.0134	.0346	27.9
50.	734.800	.300	.0141	.0339	29.4
55.	808.280	.270	.0148	.0332	30.9
60.	881.760	.250	.0155	.0325	32.4
65.	955.240	.230	.0161	.0319	33.6
70.	1028.720	.210	.0167	.0313	34.8
75.	1102.200	.200	.0171	.0310	35.5
80.	1175.680	.180	.0174	.0306	36.3
85.	1249.160	.170	.0177	.0304	36.8

POROSITY DATA FOR SAMPLE N 1- 382.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0179	.0301	37.3
100.	1469.600	.150	.0181	.0299	37.7
110.	1616.560	.140	.0188	.0292	39.2
120.	1763.520	.130	.0188	.0292	39.2
130.	1910.480	.120	.0193	.0287	40.2
140.	2057.440	.110	.0199	.0281	41.4
150.	2204.400	.100	.0200	.0280	41.7
170.	2498.320	.088	.0204	.0277	42.4
180.	2645.280	.083	.0210	.0271	43.6
190.	2792.240	.079	.0211	.0270	43.9
200.	2939.200	.075	.0215	.0265	44.9
220.	3233.120	.068	.0220	.0260	45.8
240.	3527.040	.062	.0224	.0257	46.6
260.	3820.960	.057	.0226	.0254	47.1
280.	4114.880	.053	.0234	.0246	48.8
300.	4408.800	.050	.0235	.0245	49.0
330.	4849.680	.045	.0243	.0238	50.5
360.	5290.560	.041	.0247	.0233	51.5
390.	5731.440	.038	.0253	.0227	52.7
420.	6172.320	.035	.0259	.0221	53.9
450.	6613.200	.033	.0265	.0215	55.1
490.	7201.040	.030	.0273	.0207	56.9
510.	7494.960	.029	.0273	.0207	56.9
540.	7935.840	.027	.0287	.0193	59.8
590.	8670.640	.025	.0305	.0175	63.5
610.	8964.560	.024	.0305	.0175	63.5
640.	9405.440	.023	.0318	.0162	66.2
700.	10287.200	.021	.0348	.0132	72.5
740.	10875.040	.020	.0373	.0107	77.7
770.	11315.920	.019	.0389	.0092	80.9
800.	11756.800	.019	.0407	.0073	84.8
930.	12197.680	.018	.0419	.0061	87.3
860.	12638.560	.017	.0436	.0045	90.7
900.	13226.400	.017	.0449	.0032	93.4
930.	13667.280	.016	.0459	.0021	95.6
960.	13961.200	.016	.0465	.0015	96.8
1000.	14696.000	.014	.0480	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 411.

SEQUENCE NUMBER 11
PORE VOLUME .049 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0487	.0
2.	29.392	7.500	.0021	.0466	4.3
3.	44.088	5.000	.0033	.0455	6.7
4.	58.784	3.700	.0042	.0445	8.6
5.	73.480	3.000	.0049	.0439	10.0
6.	88.176	2.500	.0051	.0436	10.5
7.	102.872	2.100	.0059	.0428	12.2
8.	117.568	1.800	.0067	.0420	13.8
9.	132.264	1.600	.0072	.0415	14.8
10.	146.960	1.500	.0077	.0411	15.8
11.	161.656	1.400	.0084	.0404	17.2
12.	176.352	1.300	.0095	.0392	19.6
13.	191.048	1.200	.0098	.0390	20.0
14.	205.744	1.100	.0102	.0385	21.0
15.	220.440	1.000	.0109	.0378	22.4
16.	235.136	.930	.0112	.0376	22.9
17.	249.832	.880	.0116	.0371	23.9
18.	264.528	.830	.0119	.0369	24.3
19.	279.224	.790	.0123	.0364	25.3
20.	293.920	.750	.0133	.0355	27.2
25.	367.400	.600	.0134	.0354	27.4
30.	440.880	.500	.0135	.0352	27.7
35.	514.360	.430	.0142	.0345	29.1
40.	587.840	.370	.0149	.0338	30.5
45.	661.320	.330	.0158	.0329	32.5
50.	734.800	.300	.0167	.0320	34.4
55.	808.280	.270	.0172	.0315	35.3
60.	881.760	.250	.0177	.0311	36.3
65.	955.240	.230	.0181	.0305	37.2
70.	1028.720	.210	.0186	.0301	38.2
75.	1102.200	.200	.0191	.0297	39.1
80.	1175.680	.180	.0195	.0292	40.1
85.	1249.160	.170	.0200	.0287	41.1

POROSITY DATA FOR SAMPLE N 1- 411.

PRESSURE A/MS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0205	.0283	42.0
100.	1469.600	.150	.0209	.0278	43.0
110.	1616.560	.140	.0214	.0273	43.9
120.	1763.520	.130	.0221	.0266	45.3
130.	1910.480	.120	.0221	.0266	45.3
140.	2057.440	.110	.0226	.0262	46.3
150.	2204.400	.100	.0230	.0257	47.3
170.	2498.320	.088	.0234	.0254	48.0
180.	2645.280	.083	.0237	.0250	48.7
190.	2792.240	.079	.0240	.0248	49.2
200.	2939.200	.075	.0244	.0243	50.1
220.	3233.120	.068	.0247	.0241	50.6
240.	3527.040	.062	.0251	.0236	51.6
260.	3820.960	.057	.0256	.0231	52.5
280.	4114.880	.053	.0258	.0229	53.0
300.	4408.800	.050	.0264	.0223	54.2
330.	4849.680	.045	.0270	.0218	55.4
360.	5290.560	.041	.0273	.0214	56.1
390.	5731.440	.038	.0280	.0207	57.5
420.	6172.320	.035	.0284	.0204	58.2
450.	6613.200	.033	.0291	.0197	59.7
490.	7201.040	.030	.0295	.0192	60.6
510.	7494.960	.029	.0300	.0187	61.6
540.	7935.840	.027	.0307	.0180	63.0
590.	8670.640	.025	.0313	.0174	64.2
610.	8964.560	.024	.0313	.0174	64.2
640.	9405.440	.023	.0321	.0166	65.9
700.	10287.200	.021	.0336	.0151	69.0
740.	10875.040	.020	.0347	.0141	71.1
770.	11315.920	.019	.0366	.0121	75.2
800.	11756.800	.019	.0383	.0105	78.5
830.	12197.680	.018	.0402	.0085	82.6
860.	12638.560	.017	.0423	.0064	86.9
900.	13226.400	.017	.0445	.0042	91.4
930.	13667.280	.016	.0458	.0029	94.0
960.	13961.200	.016	.0472	.0015	96.9
1000.	14696.000	.014	.0487	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 431.

SEQUENCE NUMBER 13
PORE VOLUME .039 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0387	.0
2.	29.392	7.500	.0006	.0381	1.5
3.	44.088	5.000	.0007	.0380	1.8
4.	58.784	3.700	.0012	.0375	3.0
5.	73.480	3.000	.0023	.0363	6.1
6.	88.176	2.500	.0032	.0355	8.2
7.	102.872	2.100	.0037	.0349	9.7
8.	117.568	1.800	.0045	.0342	11.5
9.	132.264	1.600	.0045	.0342	11.5
10.	146.960	1.500	.0054	.0333	13.9
11.	161.656	1.400	.0059	.0328	15.2
12.	176.352	1.300	.0063	.0323	16.4
13.	191.048	1.200	.0070	.0316	18.2
14.	205.744	1.100	.0074	.0313	19.1
15.	220.440	1.000	.0080	.0307	20.6
16.	235.136	.930	.0080	.0307	20.6
17.	249.832	.880	.0082	.0305	21.2
18.	264.528	.830	.0084	.0302	21.8
19.	279.224	.790	.0089	.0298	23.0
20.	293.920	.750	.0091	.0295	23.6
25.	357.400	.600	.0093	.0294	23.9
30.	440.880	.500	.0094	.0293	24.2
35.	514.360	.430	.0101	.0286	26.1
40.	537.840	.370	.0108	.0279	27.9
45.	651.320	.330	.0111	.0275	28.8
50.	734.800	.300	.0115	.0272	29.7
55.	808.280	.270	.0121	.0266	31.2
60.	881.760	.250	.0127	.0260	32.7
65.	955.240	.230	.0129	.0258	33.3
70.	1028.720	.210	.0131	.0255	33.9
75.	1102.200	.200	.0131	.0255	33.9
80.	1175.680	.180	.0131	.0255	33.9
85.	1249.160	.170	.0137	.0250	35.5

POROSITY DATA FOR SAMPLE N 1- 431.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0143	.0244	37.0
100.	1469.600	.150	.0152	.0234	39.4
110.	1616.560	.140	.0165	.0221	42.7
120.	1763.520	.130	.0185	.0201	47.9
130.	1910.480	.120	.0189	.0198	48.8
140.	2057.440	.110	.0200	.0186	51.8
150.	2204.400	.100	.0213	.0173	55.2
170.	2498.320	.088	.0221	.0165	57.3
180.	2645.280	.083	.0224	.0163	57.9
190.	2792.240	.079	.0225	.0162	58.2
200.	2939.200	.075	.0227	.0159	58.8
220.	3233.120	.068	.0227	.0159	58.8
240.	3527.040	.062	.0235	.0151	60.9
260.	3820.960	.057	.0237	.0150	61.2
280.	4114.880	.053	.0245	.0142	63.3
300.	4408.800	.050	.0246	.0141	63.6
330.	4849.680	.045	.0252	.0135	65.2
360.	5290.560	.041	.0257	.0130	66.4
390.	5731.440	.038	.0260	.0127	67.3
420.	6172.320	.035	.0264	.0123	68.2
450.	6613.200	.033	.0268	.0118	69.4
490.	7201.040	.030	.0274	.0112	70.9
510.	7494.960	.029	.0278	.0109	71.8
540.	7935.840	.027	.0283	.0103	73.3
590.	8670.640	.025	.0289	.0097	74.8
610.	8964.560	.024	.0292	.0095	75.5
640.	9405.440	.023	.0294	.0093	76.1
700.	10287.200	.021	.0312	.0075	80.6
740.	10875.040	.020	.0321	.0066	83.0
770.	11315.920	.019	.0337	.0049	87.3
800.	11756.800	.019	.0351	.0035	90.9
830.	12197.680	.016	.0375	.0012	97.0
860.	12638.560	.017	.0385	.0001	99.7
900.	13226.400	.017	.0385	.0001	99.7
930.	13667.280	.016	.0385	.0001	99.7
960.	13961.200	.016	.0387	.0000	100.0
1000.	14696.000	.014	.0387	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 451.

SEQUENCE NUMBER 15
PORE VOLUME .054 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0535	.0
2.	29.392	7.500	.0016	.0519	3.0
3.	44.088	5.000	.0023	.0512	4.3
4.	58.784	3.700	.0035	.0501	6.5
5.	73.480	3.000	.0047	.0488	8.9
6.	88.176	2.500	.0058	.0477	10.8
7.	102.872	2.100	.0069	.0466	13.0
8.	117.568	1.800	.0081	.0454	15.1
9.	132.264	1.600	.0090	.0445	16.8
10.	146.960	1.500	.0096	.0439	17.9
11.	161.656	1.400	.0101	.0435	18.8
12.	176.352	1.300	.0111	.0424	20.7
13.	191.048	1.200	.0116	.0420	21.6
14.	205.744	1.100	.0123	.0413	22.9
15.	220.440	1.000	.0133	.0402	24.8
16.	235.136	.930	.0139	.0396	25.9
17.	249.832	.880	.0143	.0392	26.8
18.	264.528	.830	.0153	.0383	28.5
19.	279.224	.790	.0160	.0376	29.8
20.	293.920	.750	.0166	.0369	31.1
25.	367.400	.600	.0168	.0368	31.3
30.	440.880	.500	.0169	.0366	31.5
35.	514.360	.430	.0177	.0358	33.0
40.	587.840	.370	.0185	.0350	34.6
45.	661.320	.330	.0197	.0339	36.7
50.	734.800	.300	.0208	.0327	38.9
55.	808.280	.270	.0217	.0318	40.6
60.	881.760	.250	.0227	.0309	42.3
65.	955.240	.230	.0236	.0299	44.1
70.	1028.720	.210	.0245	.0290	45.8
75.	1102.200	.200	.0250	.0286	46.7
80.	1175.680	.190	.0254	.0281	47.5
85.	1249.160	.170	.0258	.0277	48.2

POROSITY DATA FOR SAMPLE N 1- 451.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0261	.0274	48.8
100.	1469.600	.150	.0266	.0269	49.7
110.	1616.560	.140	.0270	.0265	50.5
120.	1763.520	.130	.0275	.0260	51.4
130.	1910.480	.120	.0277	.0258	51.8
140.	2057.440	.110	.0282	.0253	52.7
150.	2204.400	.100	.0284	.0251	53.1
170.	2498.320	.088	.0295	.0240	55.1
180.	2645.280	.083	.0296	.0239	55.3
190.	2792.240	.079	.0302	.0233	56.4
200.	2939.200	.075	.0303	.0232	56.6
220.	3233.120	.068	.0307	.0228	57.5
240.	3527.040	.062	.0314	.0221	58.7
260.	3820.960	.057	.0318	.0217	59.4
280.	4114.880	.053	.0324	.0212	60.5
300.	4408.800	.050	.0325	.0210	60.7
330.	4849.680	.045	.0332	.0203	62.0
360.	5290.560	.041	.0338	.0198	63.1
390.	5731.440	.038	.0346	.0190	64.6
420.	6172.320	.035	.0349	.0186	65.2
450.	6613.200	.033	.0353	.0183	65.9
490.	7201.040	.030	.0365	.0170	68.3
510.	7494.960	.029	.0365	.0170	68.3
540.	7935.840	.027	.0379	.0156	70.8
590.	8670.640	.025	.0391	.0144	73.0
610.	8964.560	.024	.0393	.0142	73.4
640.	9405.440	.023	.0399	.0136	74.5
700.	10297.200	.021	.0416	.0119	77.8
740.	10875.040	.020	.0437	.0098	81.6
770.	11315.920	.019	.0444	.0091	82.9
800.	11756.800	.019	.0455	.0080	85.1
830.	12197.680	.018	.0461	.0074	86.2
860.	12638.560	.017	.0475	.0060	88.8
900.	13226.400	.017	.0499	.0036	93.3
930.	13667.280	.016	.0510	.0025	95.2
960.	13961.200	.016	.0519	.0016	97.0
1000.	14696.000	.014	.0535	.0000	100.0

SEQUENCE NUMBER 17
PORE VOLUME .062 CC/G

POROSITY DATA FOR SAMPLE N 1- 463.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0623	.0
2.	29.392	7.500	.0021	.0602	3.4
3.	44.088	5.000	.0034	.0589	5.4
4.	58.784	3.700	.0045	.0577	7.3
5.	73.480	3.000	.0056	.0567	9.0
6.	88.176	2.500	.0063	.0560	10.1
7.	102.872	2.100	.0073	.0549	11.8
8.	117.568	1.800	.0081	.0541	13.1
9.	132.264	1.600	.0088	.0534	14.2
10.	146.960	1.500	.0098	.0525	15.7
11.	161.656	1.400	.0105	.0518	16.8
12.	176.352	1.300	.0114	.0509	18.3
13.	191.048	1.200	.0121	.0502	19.4
14.	205.744	1.100	.0128	.0495	20.6
15.	220.440	1.000	.0133	.0490	21.3
16.	235.136	.930	.0140	.0483	22.4
17.	249.832	.880	.0147	.0476	23.6
18.	264.528	.830	.0151	.0471	24.3
19.	279.224	.790	.0156	.0467	25.0
20.	293.920	.750	.0161	.0462	25.8
25.	367.480	.600	.0163	.0460	26.2
30.	440.880	.500	.0165	.0457	26.5
35.	514.360	.430	.0177	.0446	28.4
40.	587.840	.370	.0189	.0434	30.3
45.	661.320	.330	.0194	.0428	31.2
50.	734.800	.300	.0200	.0423	32.1
55.	808.280	.270	.0208	.0414	33.5
60.	881.760	.250	.0217	.0406	34.8
65.	955.240	.230	.0225	.0398	36.1
70.	1028.720	.210	.0233	.0390	37.4
75.	1102.200	.200	.0236	.0386	37.9
80.	1175.680	.180	.0240	.0383	38.5
85.	1249.160	.170	.0242	.0381	38.9

POROSITY DATA FOR SAMPLE N. 1- 468.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0244	.0378	39.3
100.	1469.600	.150	.0248	.0375	39.8
110.	1616.560	.140	.0256	.0367	41.1
120.	1763.520	.130	.0261	.0362	41.9
130.	1910.480	.120	.0262	.0361	42.1
140.	2057.440	.110	.0268	.0355	43.0
150.	2204.400	.100	.0272	.0350	43.7
170.	2498.320	.088	.0278	.0345	44.7
180.	2645.280	.083	.0282	.0341	45.2
190.	2792.240	.079	.0284	.0339	45.6
200.	2939.200	.075	.0285	.0338	45.8
220.	3233.120	.068	.0291	.0332	46.7
240.	3527.040	.062	.0296	.0327	47.5
260.	3820.960	.057	.0302	.0321	48.4
280.	4114.880	.053	.0305	.0318	49.0
300.	4408.800	.050	.0307	.0315	49.3
330.	4849.680	.045	.0315	.0307	50.7
360.	5290.560	.041	.0321	.0302	51.6
390.	5731.440	.038	.0328	.0295	52.7
420.	6172.320	.035	.0338	.0285	54.2
450.	6613.200	.033	.0349	.0274	56.1
490.	7201.040	.030	.0369	.0254	59.3
510.	7494.960	.029	.0384	.0239	61.7
540.	7935.840	.027	.0417	.0206	66.9
590.	8670.640	.025	.0468	.0155	75.1
610.	8964.560	.024	.0485	.0137	77.9
640.	9405.440	.023	.0502	.0121	80.6
700.	10287.200	.021	.0537	.0086	86.2
740.	10875.040	.020	.0542	.0080	87.1
770.	11315.920	.019	.0556	.0066	89.3
800.	11756.800	.019	.0569	.0054	91.4
930.	12197.680	.018	.0580	.0043	93.1
860.	12638.560	.017	.0589	.0034	94.6
900.	13226.400	.017	.0596	.0027	95.7
930.	13667.280	.016	.0604	.0019	97.0
960.	13961.200	.016	.0615	.0008	98.7
1000.	14696.000	.014	.0623	.0000	100.0

SEQUENCE NUMBER 19
 PORE VOLUME .063 CC/G

POROSITY DATA FOR SAMPLE N 1- 485.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0625	.0
2.	29.392	7.500	.0008	.0617	1.3
3.	44.088	5.000	.0008	.0617	1.3
4.	58.784	3.700	.0009	.0616	1.5
5.	73.480	3.000	.0009	.0616	1.5
6.	88.176	2.500	.0009	.0616	1.5
7.	102.872	2.100	.0022	.0603	3.5
8.	117.568	1.800	.0037	.0588	5.9
9.	132.264	1.600	.0037	.0588	5.9
10.	146.960	1.500	.0058	.0567	9.3
11.	161.656	1.400	.0058	.0567	9.3
12.	176.352	1.300	.0058	.0567	9.3
13.	191.048	1.200	.0074	.0551	11.9
14.	205.744	1.100	.0079	.0546	12.6
15.	220.440	1.000	.0087	.0538	13.9
16.	235.136	.930	.0095	.0530	15.2
17.	249.832	.880	.0100	.0526	16.0
18.	264.528	.830	.0102	.0523	16.3
19.	279.224	.790	.0102	.0523	16.3
20.	293.920	.750	.0102	.0523	16.3
25.	367.400	.600	.0102	.0523	16.3
30.	441.880	.500	.0102	.0523	16.3
35.	514.360	.430	.0114	.0512	18.2
40.	587.840	.370	.0125	.0500	20.0
45.	661.320	.330	.0139	.0486	22.3
50.	734.800	.300	.0153	.0472	24.5
55.	808.280	.270	.0161	.0464	25.8
60.	881.760	.250	.0169	.0456	27.1
65.	955.240	.230	.0179	.0447	28.6
70.	1028.720	.210	.0188	.0437	30.1
75.	1102.200	.200	.0193	.0433	30.8
80.	1175.680	.180	.0197	.0428	31.5
85.	1249.160	.170	.0200	.0426	31.9

POROSITY DATA FOR SAMPLE N 1- 485.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0202	.0424	32.3
100.	1469.600	.150	.0207	.0419	33.0
110.	1616.560	.140	.0217	.0408	34.7
120.	1763.520	.130	.0217	.0408	34.7
130.	1910.480	.120	.0230	.0396	36.7
140.	2057.440	.110	.0232	.0393	37.1
150.	2204.400	.100	.0237	.0389	37.8
170.	2498.320	.088	.0246	.0379	39.3
180.	2645.280	.083	.0251	.0375	40.1
190.	2792.240	.079	.0255	.0370	40.8
200.	2939.200	.075	.0255	.0370	40.8
220.	3233.120	.068	.0265	.0361	42.3
240.	3527.040	.062	.0269	.0356	43.0
260.	3820.960	.057	.0269	.0356	43.0
280.	4114.880	.053	.0283	.0342	45.3
300.	4408.800	.050	.0288	.0338	46.0
330.	4849.680	.045	.0298	.0327	47.7
360.	5290.560	.041	.0307	.0318	49.2
390.	5731.440	.038	.0326	.0299	52.1
420.	6172.320	.035	.0353	.0273	56.4
450.	6613.200	.033	.0389	.0237	62.2
490.	7201.040	.030	.0443	.0182	70.9
510.	7494.960	.029	.0455	.0171	72.7
540.	7935.840	.027	.0480	.0145	76.8
590.	8670.640	.025	.0511	.0115	81.6
610.	8964.560	.024	.0515	.0110	82.4
640.	9405.440	.023	.0531	.0094	85.0
700.	10287.200	.021	.0555	.0071	88.7
740.	10875.040	.020	.0567	.0058	90.7
770.	11315.920	.019	.0577	.0049	92.2
800.	11756.800	.019	.0582	.0043	93.1
830.	12197.680	.018	.0593	.0032	94.8
860.	12638.560	.017	.0594	.0031	95.0
900.	13226.400	.017	.0606	.0020	96.8
930.	13667.280	.016	.0613	.0013	98.0
960.	13961.200	.016	.0616	.0009	98.5
1000.	14696.000	.014	.0625	.0000	100.0

SEQUENCE NUMBER 21
PORE VOLUME .053 CC/G

POROSITY DATA FOR SAMPLE N 1- 505.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0530	.0
2.	23.392	7.500	.0012	.0519	2.2
3.	44.088	5.000	.0023	.0507	4.4
4.	59.784	3.700	.0030	.0500	5.7
5.	73.480	3.000	.0035	.0495	6.5
6.	83.176	2.500	.0039	.0491	7.4
7.	102.872	2.100	.0047	.0483	8.9
8.	117.568	1.800	.0058	.0472	10.9
9.	132.264	1.600	.0064	.0467	12.0
10.	146.960	1.500	.0069	.0461	13.1
11.	161.656	1.400	.0074	.0456	13.9
12.	176.352	1.300	.0081	.0449	15.3
13.	191.048	1.200	.0088	.0442	16.6
14.	205.744	1.100	.0098	.0440	17.0
15.	220.440	1.000	.0095	.0435	17.9
16.	235.136	.930	.0099	.0431	18.7
17.	249.832	.880	.0104	.0426	19.6
18.	264.528	.830	.0106	.0424	20.0
19.	279.224	.790	.0110	.0420	20.7
20.	293.920	.750	.0118	.0412	22.2
25.	367.400	.600	.0120	.0410	22.7
30.	440.880	.500	.0122	.0408	23.1
35.	514.360	.430	.0135	.0395	25.5
40.	567.840	.370	.0148	.0382	27.9
45.	661.320	.330	.0149	.0381	28.1
50.	734.800	.300	.0150	.0380	28.3
55.	808.280	.270	.0156	.0374	29.4
60.	881.760	.250	.0162	.0368	30.5
65.	955.240	.230	.0166	.0364	31.4
70.	1028.720	.210	.0171	.0359	32.2
75.	1102.200	.200	.0173	.0357	32.7
80.	1175.680	.190	.0176	.0355	33.1
85.	1249.160	.170	.0178	.0352	33.6

POROSITY DATA FOR SAMPLE N 1- 505.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0180	.0350	34.0
100.	1469.600	.150	.0184	.0346	34.6
110.	1616.560	.140	.0188	.0342	35.5
120.	1763.520	.130	.0193	.0337	36.4
130.	1910.480	.120	.0195	.0335	36.8
140.	2057.440	.110	.0196	.0334	37.0
150.	2204.400	.100	.0201	.0329	37.9
170.	2498.320	.088	.0208	.0322	39.2
180.	2645.280	.083	.0208	.0322	39.2
190.	2792.240	.079	.0213	.0318	40.1
200.	2939.200	.075	.0214	.0316	40.3
220.	3233.120	.068	.0218	.0312	41.2
240.	3527.040	.062	.0219	.0311	41.4
260.	3820.960	.057	.0225	.0305	42.5
280.	4114.880	.053	.0230	.0300	43.4
300.	4408.800	.050	.0232	.0298	43.8
330.	4849.680	.045	.0237	.0293	44.7
360.	5290.560	.041	.0243	.0288	45.8
390.	5731.440	.038	.0247	.0283	46.6
420.	6172.320	.035	.0254	.0276	47.9
450.	6613.200	.033	.0259	.0271	48.8
490.	7201.040	.030	.0271	.0259	51.2
510.	7494.960	.029	.0280	.0251	52.7
540.	7935.840	.027	.0291	.0239	54.9
590.	8670.640	.025	.0321	.0209	60.6
610.	8964.560	.024	.0337	.0193	63.6
640.	9405.440	.023	.0365	.0165	68.8
700.	10287.200	.021	.0416	.0114	78.4
740.	10875.040	.020	.0441	.0089	83.2
770.	11315.920	.019	.0453	.0077	85.4
800.	11756.800	.019	.0467	.0064	88.0
830.	12197.680	.018	.0479	.0051	90.4
850.	12638.560	.017	.0489	.0042	92.2
900.	13226.400	.017	.0501	.0029	94.6
930.	13667.280	.016	.0513	.0017	96.7
960.	13961.200	.016	.0517	.0013	97.6
1000.	14696.000	.014	.0530	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 525.

SEQUENCE NUMEER 23
PORE VOLUME .061 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0613	.0
2.	29.392	7.500	.0025	.0588	4.0
3.	44.088	5.000	.0047	.0566	7.6
4.	58.784	3.700	.0059	.0554	9.6
5.	73.480	3.000	.0062	.0551	10.1
6.	88.176	2.500	.0073	.0540	11.9
7.	102.872	2.100	.0087	.0526	14.1
8.	117.568	1.800	.0094	.0519	15.3
9.	132.264	1.600	.0105	.0507	17.2
10.	146.960	1.500	.0118	.0494	19.3
11.	161.656	1.400	.0119	.0493	19.5
12.	176.352	1.300	.0135	.0478	22.0
13.	191.048	1.200	.0141	.0472	22.9
14.	205.744	1.100	.0148	.0465	24.1
15.	220.440	1.000	.0155	.0458	25.2
16.	235.136	.930	.0162	.0451	26.4
17.	249.832	.880	.0166	.0446	27.2
18.	264.528	.830	.0171	.0442	27.9
19.	279.224	.790	.0178	.0435	29.1
20.	293.920	.750	.0185	.0428	30.2
25.	357.400	.600	.0189	.0424	30.8
30.	440.880	.500	.0192	.0421	31.4
35.	514.360	.430	.0200	.0412	32.7
40.	567.840	.370	.0209	.0404	34.0
45.	661.320	.330	.0214	.0398	35.0
50.	734.800	.300	.0220	.0392	35.9
55.	808.280	.270	.0225	.0388	36.7
60.	881.760	.250	.0230	.0383	37.5
65.	955.240	.230	.0234	.0378	38.2
70.	1028.720	.210	.0239	.0374	39.0
75.	1102.200	.200	.0246	.0367	40.2
80.	1175.680	.180	.0253	.0360	41.3
85.	1249.160	.170	.0259	.0354	42.3

POROSITY DATA FOR SAMPLE N 1- 525.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0265	.0348	43.2
100.	1469.600	.150	.0269	.0343	44.0
110.	1616.560	.140	.0274	.0339	44.7
120.	1763.520	.130	.0281	.0332	45.9
130.	1910.480	.120	.0285	.0328	46.5
140.	2057.440	.110	.0288	.0324	47.0
150.	2204.400	.100	.0293	.0320	47.8
170.	2498.320	.088	.0298	.0315	48.6
180.	2645.280	.083	.0301	.0312	49.1
190.	2792.240	.079	.0302	.0310	49.3
200.	2939.200	.075	.0305	.0308	49.7
220.	3233.120	.068	.0312	.0301	50.9
240.	3527.040	.062	.0317	.0295	51.8
260.	3820.960	.057	.0323	.0289	52.8
280.	4114.880	.053	.0330	.0282	53.9
300.	4408.800	.050	.0334	.0279	54.5
330.	4849.680	.045	.0339	.0274	55.3
360.	5290.560	.041	.0349	.0264	57.0
390.	5731.440	.038	.0358	.0254	58.5
420.	6172.320	.035	.0369	.0244	60.2
450.	6613.200	.033	.0385	.0227	62.9
490.	7201.040	.030	.0415	.0199	67.7
510.	7494.960	.029	.0437	.0176	71.3
540.	7935.840	.027	.0480	.0132	78.4
590.	8670.640	.025	.0527	.0086	86.0
610.	8964.560	.024	.0542	.0070	88.5
640.	9405.440	.023	.0562	.0050	91.8
700.	10287.200	.021	.0589	.0023	96.2
740.	10875.040	.020	.0607	.0006	99.0
770.	11315.920	.019	.0607	.0006	99.0
800.	11756.800	.019	.0607	.0006	99.0
830.	12197.680	.018	.0607	.0006	99.0
860.	12638.560	.017	.0607	.0006	99.0
900.	13226.400	.017	.0607	.0006	99.0
930.	13667.280	.016	.0607	.0006	99.0
960.	13961.200	.016	.0613	.0000	100.0
1000.	14696.000	.014	.0613	.0000	100.0

SEQUENCE NUMBER 25
PORE VOLUME .042 CC/G

POROSITY DATA FOR SAMPLE N 1- 547.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0423	0.0
2.	29.392	7.500	.0030	.0392	7.2
3.	44.088	5.000	.0035	.0388	8.3
4.	58.784	3.700	.0047	.0376	11.0
5.	73.480	3.000	.0054	.0369	12.7
6.	88.176	2.500	.0058	.0364	13.8
7.	102.872	2.100	.0070	.0353	16.6
8.	117.568	1.800	.0077	.0346	18.2
9.	132.264	1.600	.0088	.0335	20.7
10.	146.960	1.500	.0096	.0327	22.7
11.	161.656	1.400	.0103	.0320	24.3
12.	176.352	1.300	.0104	.0319	24.6
13.	191.048	1.200	.0105	.0318	24.9
14.	205.744	1.100	.0105	.0318	24.9
15.	220.440	1.000	.0105	.0318	24.9
16.	235.136	.930	.0105	.0318	24.9
17.	249.832	.880	.0105	.0318	24.9
18.	264.528	.830	.0105	.0318	24.9
19.	279.224	.790	.0105	.0318	24.9
20.	293.920	.750	.0112	.0311	26.5
25.	367.400	.600	.0114	.0308	27.1
30.	440.880	.500	.0117	.0306	27.6
35.	514.360	.430	.0131	.0292	30.9
40.	587.840	.370	.0145	.0278	34.3
45.	661.320	.330	.0159	.0264	37.6
50.	734.800	.300	.0173	.0250	40.9
55.	808.280	.270	.0180	.0243	42.5
60.	881.760	.250	.0187	.0236	44.2
65.	955.240	.230	.0193	.0230	45.6
70.	1028.720	.210	.0199	.0224	47.0
75.	1102.200	.200	.0206	.0217	48.6
80.	1175.680	.180	.0213	.0210	50.3
85.	1249.160	.170	.0216	.0207	51.1

POROSITY DATA FOR SAMPLE N 1- 547.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0220	.0203	51.9
100.	1469.600	.150	.0223	.0200	52.8
110.	1616.560	.140	.0231	.0192	54.7
120.	1763.520	.130	.0236	.0187	55.8
130.	1910.480	.120	.0243	.0180	57.5
140.	2057.440	.110	.0248	.0175	58.6
150.	2204.400	.100	.0250	.0173	59.1
170.	2498.320	.088	.0257	.0166	60.8
180.	2645.280	.083	.0257	.0166	60.8
190.	2792.240	.079	.0262	.0161	61.9
200.	2939.200	.075	.0266	.0156	63.0
220.	3233.120	.068	.0271	.0152	64.1
240.	3527.040	.062	.0277	.0146	65.5
260.	3820.960	.057	.0284	.0139	67.1
280.	4114.880	.053	.0288	.0134	68.2
300.	4408.800	.050	.0292	.0131	69.1
330.	4849.680	.045	.0297	.0126	70.2
360.	5290.560	.041	.0300	.0123	71.0
390.	5731.440	.038	.0313	.0110	74.0
420.	6172.320	.035	.0316	.0106	74.9
450.	6613.200	.033	.0326	.0097	77.1
490.	7201.040	.030	.0326	.0097	77.1
510.	7494.960	.029	.0326	.0097	77.1
540.	7935.840	.027	.0326	.0097	77.1
590.	8670.640	.025	.0326	.0097	77.1
610.	8964.560	.024	.0326	.0097	77.1
640.	9405.440	.023	.0326	.0097	77.1
700.	10287.200	.021	.0339	.0084	80.1
740.	10875.040	.020	.0359	.0064	84.8
770.	11315.920	.019	.0371	.0051	87.8
800.	11756.800	.019	.0375	.0048	88.7
830.	12197.680	.018	.0387	.0036	91.4
860.	12638.560	.017	.0395	.0028	93.4
900.	13226.400	.017	.0402	.0021	95.0
930.	13667.280	.016	.0410	.0013	97.0
960.	13961.200	.016	.0413	.0009	97.8
1000.	14696.000	.014	.0423	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 564.

SEQUENCE NUMBER 27
PORE VOLUME .077 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0765	.0
2.	29.392	7.500	.0043	.0723	5.6
3.	44.088	5.000	.0056	.0709	7.3
4.	58.784	3.700	.0067	.0698	8.8
5.	73.480	3.000	.0079	.0687	10.3
6.	88.176	2.500	.0085	.0680	11.1
7.	102.872	2.100	.0099	.0666	12.9
8.	117.568	1.800	.0107	.0659	13.9
9.	132.264	1.500	.0117	.0648	15.2
10.	146.960	1.500	.0135	.0631	17.6
11.	161.656	1.400	.0142	.0623	18.6
12.	176.352	1.300	.0158	.0607	20.7
13.	191.048	1.200	.0158	.0607	20.7
14.	205.744	1.100	.0177	.0588	23.2
15.	220.440	1.000	.0180	.0586	23.5
16.	235.136	.930	.0186	.0579	24.3
17.	249.832	.880	.0193	.0572	25.2
18.	264.528	.830	.0200	.0565	26.1
19.	279.224	.790	.0205	.0560	26.8
20.	293.920	.750	.0206	.0559	27.0
25.	367.400	.600	.0210	.0555	27.4
30.	440.980	.500	.0213	.0552	27.9
35.	514.360	.430	.0220	.0545	28.7
40.	587.840	.370	.0227	.0539	29.6
45.	661.320	.330	.0242	.0523	31.7
50.	734.800	.300	.0258	.0507	33.7
55.	808.280	.270	.0265	.0500	34.6
60.	881.760	.250	.0272	.0494	35.5
65.	955.240	.230	.0276	.0489	36.1
70.	1028.720	.210	.0280	.0485	36.7
75.	1102.200	.200	.0288	.0477	37.7
80.	1175.680	.180	.0296	.0469	38.7
85.	1249.160	.170	.0297	.0468	38.9

POROSITY DATA FOR SAMPLE N 1- 564.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0298	.0467	39.0
100.	1469.600	.150	.0303	.0462	39.6
110.	1616.560	.140	.0305	.0460	39.9
120.	1763.520	.130	.0312	.0453	40.0
130.	1910.480	.120	.0312	.0453	40.8
140.	2057.440	.110	.0312	.0453	40.8
150.	2204.400	.100	.0312	.0453	40.8
170.	2498.320	.088	.0312	.0453	40.8
180.	2645.280	.083	.0312	.0453	40.8
190.	2792.240	.079	.0312	.0453	40.8
200.	2939.200	.075	.0312	.0453	40.8
220.	3233.120	.068	.0312	.0453	40.8
240.	3527.040	.062	.0312	.0453	40.8
260.	3820.960	.057	.0312	.0453	40.8
280.	4114.880	.053	.0312	.0453	40.8
300.	4408.800	.050	.0312	.0453	40.8
330.	4849.680	.045	.0312	.0453	40.8
360.	5290.560	.041	.0312	.0453	40.8
390.	5731.440	.038	.0312	.0453	40.8
420.	6172.320	.035	.0312	.0453	40.8
450.	6613.200	.033	.0312	.0453	40.8
490.	7201.040	.030	.0312	.0453	40.8
510.	7494.960	.029	.0319	.0447	41.6
540.	7935.840	.027	.0331	.0434	43.3
590.	8670.640	.025	.0367	.0398	47.9
610.	8964.560	.024	.0387	.0378	50.6
640.	9405.440	.023	.0410	.0356	53.5
700.	10287.200	.021	.0458	.0307	59.8
740.	10875.040	.020	.0482	.0283	63.0
770.	11315.920	.019	.0493	.0273	64.4
800.	11756.800	.019	.0493	.0273	64.4
830.	12197.680	.018	.0504	.0261	65.8
860.	12638.560	.017	.0504	.0261	65.8
900.	13226.400	.017	.0537	.0228	70.2
930.	13667.280	.016	.0552	.0213	72.1
960.	13961.200	.016	.0552	.0213	72.1
1000.	14696.000	.014	.0765	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 534.

SEQUENCE NUMBER 29
PORE VOLUME .032 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0320	.0
2.	29.392	7.500	.0016	.0303	5.1
3.	44.088	5.000	.0025	.0295	7.7
4.	58.784	3.700	.0035	.0285	11.0
5.	73.480	3.000	.0046	.0274	14.3
6.	88.176	2.500	.0058	.0262	18.0
7.	102.872	2.100	.0064	.0256	19.9
8.	117.568	1.800	.0071	.0249	22.1
9.	132.264	1.600	.0082	.0238	25.7
10.	146.960	1.500	.0092	.0228	28.7
11.	161.656	1.400	.0096	.0223	30.1
12.	175.352	1.300	.0105	.0215	32.7
13.	191.048	1.200	.0116	.0203	36.4
14.	205.744	1.100	.0127	.0193	39.7
15.	220.440	1.000	.0133	.0187	41.5
16.	235.136	.930	.0141	.0179	44.1
17.	249.832	.880	.0146	.0174	45.6
18.	264.528	.830	.0152	.0168	47.4
19.	279.224	.790	.0161	.0159	50.4
20.	293.920	.750	.0165	.0155	51.5
25.	367.400	.600	.0165	.0155	51.5
30.	440.880	.500	.0165	.0155	51.5
35.	514.360	.430	.0174	.0146	54.4
40.	587.840	.370	.0183	.0136	57.4
45.	661.320	.330	.0188	.0132	58.8
50.	734.800	.300	.0207	.0113	64.7
55.	808.280	.270	.0214	.0106	66.9
60.	881.760	.250	.0221	.0099	69.1
65.	955.240	.230	.0227	.0093	71.0
70.	1028.720	.210	.0233	.0087	72.8
75.	1102.200	.200	.0234	.0086	73.2
80.	1175.680	.180	.0235	.0085	73.5
85.	1249.160	.170	.0235	.0085	73.5

POROSITY DATA FOR SAMPLE N 1- 584.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0235	.0085	73.5
100.	1469.600	.150	.0235	.0085	73.5
110.	1616.560	.140	.0239	.0081	74.6
120.	1763.520	.130	.0242	.0078	75.7
130.	1910.480	.120	.0252	.0068	78.7
140.	2057.440	.110	.0256	.0064	80.1
150.	2204.400	.100	.0259	.0061	80.9
170.	2498.320	.088	.0263	.0056	82.4
180.	2645.280	.083	.0268	.0052	83.8
190.	2792.240	.079	.0269	.0051	84.2
200.	2939.200	.075	.0272	.0048	84.9
220.	3233.120	.068	.0278	.0042	86.8
240.	3527.040	.062	.0280	.0040	87.5
260.	3820.960	.057	.0283	.0036	88.6
280.	4114.880	.053	.0292	.0028	91.2
300.	4408.800	.050	.0295	.0025	92.3
330.	4849.680	.045	.0299	.0021	93.4
360.	5290.560	.041	.0299	.0021	93.4
390.	5731.440	.038	.0299	.0021	93.4
420.	6172.320	.035	.0299	.0021	93.4
450.	6613.200	.033	.0320	.0000	100.0
490.	7201.040	.030	.0320	.0000	100.0
510.	7494.960	.029	.0320	.0000	100.0
540.	7935.840	.027	.0320	.0000	100.0
590.	8670.640	.025	.0320	.0000	100.0
610.	8964.560	.024	.0320	.0000	100.0
640.	9405.440	.023	.0320	.0000	100.0
700.	10287.200	.021	.0320	.0000	100.0
740.	10875.040	.020	.0320	.0000	100.0
770.	11315.920	.019	.0320	.0000	100.0
800.	11756.800	.019	.0320	.0000	100.0
830.	12197.680	.018	.0320	.0000	100.0
960.	12638.560	.017	.0320	.0000	100.0
900.	13226.400	.017	.0320	.0000	100.0
930.	13667.280	.016	.0320	.0000	100.0
960.	13961.200	.016	.0320	.0000	100.0
1000.	14696.000	.014	.0320	.0000	100.0

POROSITY DATA FOR SAMPLE N 1- 592.

SEQUENCE NUMBER 30
PORE VOLUME .028 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0280	.0
2.	29.392	7.500	.0016	.0264	5.7
3.	44.088	5.000	.0021	.0259	7.7
4.	58.784	3.700	.0032	.0248	11.5
5.	73.480	3.000	.0038	.0243	13.4
6.	88.176	2.500	.0048	.0232	17.2
7.	102.872	2.100	.0054	.0226	19.2
8.	117.568	1.800	.0064	.0216	23.0
9.	132.264	1.600	.0075	.0205	26.8
10.	146.960	1.500	.0078	.0202	28.0
11.	161.656	1.400	.0088	.0192	31.4
12.	176.352	1.300	.0097	.0184	34.5
13.	191.048	1.200	.0106	.0174	37.9
14.	205.744	1.100	.0115	.0165	41.0
15.	220.440	1.000	.0121	.0159	43.3
16.	235.136	.930	.0122	.0158	43.7
17.	249.832	.890	.0128	.0152	45.6
18.	264.528	.830	.0134	.0146	47.9
19.	279.224	.790	.0148	.0132	52.9
20.	293.920	.750	.0155	.0126	55.2
25.	367.400	.600	.0155	.0126	55.2
30.	440.880	.500	.0155	.0126	55.2
35.	514.360	.430	.0164	.0116	58.6
40.	587.840	.370	.0176	.0104	62.8
45.	661.320	.330	.0181	.0099	64.8
50.	734.800	.300	.0187	.0093	66.7
55.	808.280	.270	.0195	.0085	69.7
60.	881.760	.250	.0204	.0076	72.8
65.	955.240	.230	.0209	.0071	74.7
70.	1028.720	.210	.0215	.0065	76.6
75.	1102.200	.200	.0219	.0061	78.2
80.	1175.680	.180	.0223	.0057	79.7
85.	1249.160	.170	.0226	.0054	80.8

POROSITY DATA FOR SAMPLE N 1- 592.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0230	.0050	82.0
100.	1469.600	.150	.0234	.0046	83.5
110.	1616.560	.140	.0236	.0044	84.3
120.	1763.520	.130	.0237	.0043	84.7
130.	1910.480	.120	.0238	.0042	85.1
140.	2057.440	.110	.0245	.0035	87.4
150.	2204.400	.100	.0247	.0033	88.1
170.	2498.320	.088	.0250	.0030	89.3
180.	2645.280	.083	.0253	.0027	90.4
190.	2792.240	.079	.0253	.0027	90.4
200.	2939.200	.075	.0254	.0026	90.8
220.	3233.120	.068	.0255	.0025	91.2
240.	3527.040	.062	.0255	.0025	91.2
260.	3820.960	.057	.0257	.0024	91.6
280.	4114.880	.053	.0258	.0023	92.0
300.	4408.800	.050	.0258	.0023	92.0
330.	4849.680	.045	.0258	.0023	92.0
360.	5290.560	.041	.0259	.0021	92.3
390.	5731.440	.038	.0260	.0020	92.7
420.	6172.320	.035	.0262	.0018	93.5
450.	6613.200	.033	.0265	.0015	94.6
490.	7201.040	.030	.0268	.0012	95.8
510.	7494.960	.029	.0270	.0010	96.6
540.	7935.840	.027	.0273	.0008	97.3
590.	8670.640	.025	.0277	.0003	98.9
610.	8964.560	.024	.0277	.0003	98.9
640.	9405.440	.023	.0278	.0002	99.2
700.	10287.200	.021	.0279	.0001	99.6
740.	10875.040	.020	.0279	.0001	99.6
770.	11315.920	.019	.0279	.0001	99.6
800.	11756.800	.019	.0279	.0001	99.6
830.	12197.680	.018	.0280	.0000	100.0
860.	12638.560	.017	.0280	.0000	100.0
900.	13226.400	.017	.0280	.0000	100.0
930.	13667.280	.016	.0280	.0000	100.0
960.	13961.200	.016	.0280	.0000	100.0
1000.	14696.000	.014	.0280	.0000	100.0

SEQUENCE NUMBER 31
PORE VOLUME .036 CC/G

POROSITY DATA FOR SAMPLE N 1- 602.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.656	15.000	.0000	.0358	.0
2.	29.392	7.500	.0021	.0338	5.8
3.	44.088	5.000	.0023	.0335	6.5
4.	58.784	3.700	.0029	.0329	8.1
5.	73.480	3.000	.0030	.0328	8.4
6.	88.176	2.500	.0036	.0323	10.0
7.	102.872	2.100	.0040	.0318	11.3
8.	117.568	1.800	.0046	.0312	12.9
9.	132.264	1.600	.0049	.0310	13.5
10.	146.960	1.500	.0051	.0307	14.2
11.	161.656	1.400	.0053	.0305	14.8
12.	176.352	1.300	.0055	.0303	15.5
13.	191.048	1.200	.0059	.0299	16.5
14.	205.744	1.100	.0062	.0296	17.4
15.	220.440	1.000	.0065	.0294	18.1
16.	235.136	.930	.0067	.0291	18.7
17.	249.832	.880	.0069	.0289	19.4
18.	264.528	.830	.0072	.0287	20.0
19.	279.224	.790	.0073	.0286	20.3
20.	293.920	.750	.0076	.0282	21.3
25.	367.400	.600	.0076	.0282	21.3
30.	440.880	.500	.0076	.0282	21.3
35.	514.360	.430	.0080	.0279	22.3
40.	587.840	.370	.0083	.0275	23.2
45.	661.320	.330	.0088	.0270	24.5
50.	734.800	.300	.0092	.0266	25.8
55.	808.280	.270	.0097	.0261	27.1
60.	881.760	.250	.0102	.0257	28.4
65.	955.240	.230	.0103	.0255	28.7
70.	1028.720	.210	.0104	.0254	29.0
75.	1102.200	.200	.0108	.0251	30.0
80.	1175.680	.180	.0111	.0247	31.0
85.	1249.160	.170	.0113	.0245	31.6

POROSITY DATA FOR SAMPLE N 1- 602.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0116	.0243	32.3
100.	1469.600	.150	.0119	.0239	33.2
110.	1616.560	.140	.0121	.0237	33.9
120.	1763.520	.130	.0123	.0236	34.2
130.	1910.480	.120	.0125	.0233	34.8
140.	2057.440	.110	.0127	.0231	35.5
150.	2204.400	.100	.0129	.0229	36.1
170.	2498.320	.088	.0132	.0227	36.8
180.	2645.280	.083	.0134	.0224	37.4
190.	2792.240	.079	.0136	.0222	38.1
200.	2939.200	.075	.0136	.0222	38.1
220.	3233.120	.068	.0141	.0217	39.4
240.	3527.040	.062	.0143	.0215	40.0
260.	3820.960	.057	.0147	.0212	41.0
280.	4114.880	.053	.0150	.0208	41.9
300.	4408.800	.050	.0153	.0206	42.6
330.	4849.680	.045	.0155	.0203	43.2
360.	5290.560	.041	.0160	.0199	44.5
390.	5731.440	.038	.0164	.0194	45.8
420.	6172.320	.035	.0169	.0190	47.1
450.	6613.200	.033	.0178	.0180	49.7
490.	7201.040	.030	.0190	.0169	52.9
510.	7494.960	.029	.0200	.0158	55.8
540.	7935.840	.027	.0214	.0144	59.7
590.	8670.640	.025	.0243	.0116	67.7
610.	8964.560	.024	.0250	.0109	69.7
640.	9405.440	.023	.0264	.0095	73.5
700.	10287.200	.021	.0287	.0072	80.0
740.	10875.040	.020	.0299	.0059	83.5
770.	11315.920	.019	.0306	.0052	85.5
800.	11756.800	.019	.0311	.0047	86.8
830.	12197.680	.018	.0321	.0037	89.7
860.	12638.560	.017	.0331	.0028	92.3
900.	13226.400	.017	.0340	.0018	94.8
930.	13667.280	.016	.0349	.0009	97.4
960.	13961.200	.016	.0353	.0006	98.4
1000.	14696.000	.014	.0358	.0000	100.0

N-1 321.

N 1 341.

N 1 354.

N 1 372.

N 1 382.

101

N 1 411.

N^o 1 431.

N 1 451.

N 1 468.

N. 1 485.

N 1 505.

N 1 525.

N 1 547.

N 1 564.

N 1 584.

N 1 592.

N 1 602.

N 1 321.

N 1 341.

N 1 354.

N 1 372.

N 1 382.

N 1 411.

N 1 431.

N 1 451.

N 1 468.

N 1 485.

N 1 505.

N 1 525.

N 1,547.

N 1 564.

N. 1. 584.

N3 1 592.

N 1 602.

APPENDIX B

MERCURY INTRUSION POROSITY DATA FOR WELL N-2

POROSITY DATA FOR SAMPLE N 2- 927.

SEQUENCE NUMBER 1
PORE VOLUME .054 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0537	.0
2.	23.392	7.500	.0023	.0514	4.3
3.	44.088	5.000	.0037	.0500	6.8
4.	58.784	3.700	.0049	.0488	9.2
5.	73.480	3.000	.0057	.0480	10.7
6.	88.176	2.500	.0062	.0475	11.5
7.	102.872	2.100	.0070	.0467	13.0
8.	117.568	1.800	.0080	.0457	14.9
9.	132.264	1.600	.0092	.0445	17.1
10.	146.960	1.500	.0101	.0436	18.8
11.	161.656	1.400	.0109	.0428	20.3
12.	176.352	1.300	.0115	.0423	21.3
13.	191.048	1.200	.0125	.0412	23.2
14.	205.744	1.100	.0126	.0411	23.5
15.	220.440	1.000	.0136	.0401	25.4
16.	235.136	.930	.0140	.0397	26.0
17.	249.832	.880	.0149	.0388	27.7
18.	264.528	.830	.0158	.0379	29.4
19.	279.224	.790	.0165	.0372	30.7
20.	293.920	.750	.0167	.0370	31.1
25.	357.400	.600	.0168	.0369	31.3
30.	440.380	.500	.0169	.0368	31.6
35.	514.360	.430	.0182	.0355	33.9
40.	567.340	.370	.0195	.0342	36.2
45.	661.320	.330	.0205	.0332	38.2
50.	734.800	.300	.0215	.0322	40.1
55.	808.280	.270	.0216	.0321	40.3
60.	881.760	.250	.0218	.0320	40.5
65.	955.240	.230	.0230	.0307	42.9
70.	1028.720	.210	.0243	.0294	45.2
75.	1102.200	.200	.0247	.0290	46.1
80.	1175.680	.180	.0252	.0285	46.9
85.	1249.160	.170	.0255	.0282	47.5

POROSITY DATA FOR SAMPLE N- 2- 927.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0259	.0278	48.2
100.	1469.600	.150	.0263	.0274	49.0
110.	1616.560	.140	.0274	.0263	51.0
120.	1763.520	.130	.0275	.0262	51.2
130.	1910.480	.120	.0279	.0258	52.0
140.	2057.440	.110	.0266	.0251	53.3
150.	2204.400	.100	.0287	.0250	53.5
170.	2448.320	.089	.0297	.0241	55.2
190.	2645.280	.093	.0299	.0238	55.7
190.	2792.240	.079	.0300	.0237	55.9
200.	2939.200	.075	.0303	.0234	56.5
220.	3233.120	.069	.0310	.0227	57.8
240.	3527.040	.062	.0313	.0224	58.2
260.	3820.960	.057	.0320	.0218	59.5
280.	4114.880	.053	.0324	.0213	60.3
300.	4408.800	.050	.0324	.0213	60.3
330.	4849.680	.045	.0332	.0205	61.8
360.	5290.560	.041	.0334	.0203	62.3
390.	5731.440	.038	.0342	.0195	63.8
420.	6172.320	.035	.0346	.0191	64.4
450.	6613.200	.033	.0348	.0189	64.8
490.	7201.040	.030	.0357	.0180	66.5
510.	7494.960	.029	.0361	.0176	67.2
540.	7935.840	.027	.0365	.0172	68.0
590.	8670.640	.025	.0373	.0164	69.5
610.	8964.560	.024	.0377	.0160	70.1
640.	9405.440	.023	.0363	.0155	71.2
700.	10287.200	.021	.0399	.0139	74.2
740.	10875.040	.020	.0412	.0125	76.8
770.	11315.920	.019	.0426	.0111	79.3
800.	11756.800	.019	.0447	.0090	83.2
830.	12197.680	.018	.0468	.0069	87.2
860.	12638.560	.017	.0482	.0055	89.8
900.	13226.400	.017	.0502	.0036	93.4
930.	13667.280	.016	.0513	.0024	95.5
960.	13961.200	.016	.0520	.0017	96.8
1000.	14696.000	.014	.0537	.0000	100.0

POROSITY DATA FOR SAMPLE N 2- 947.

SEQUENCE NUMBER 3
PORE VOLUME .041 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCI. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0405	.0
2.	29.392	7.500	.0023	.0382	5.7
3.	44.088	5.000	.0034	.0172	8.3
4.	58.784	3.700	.0037	.0168	9.2
5.	73.480	3.000	.0041	.0365	10.0
6.	88.176	2.500	.0048	.0358	11.7
7.	102.872	2.100	.0053	.0352	13.2
8.	117.568	1.800	.0058	.0347	14.3
9.	132.264	1.600	.0062	.0344	15.2
10.	146.960	1.500	.0067	.0338	16.6
11.	161.656	1.400	.0071	.0334	17.5
12.	176.352	1.300	.0072	.0331	17.8
13.	191.048	1.200	.0079	.0326	19.5
14.	205.744	1.100	.0082	.0323	20.3
15.	220.440	1.000	.0086	.0319	21.2
16.	235.136	.930	.0091	.0315	22.3
17.	249.832	.880	.0094	.0311	23.2
18.	264.528	.830	.0095	.0310	23.5
19.	279.224	.790	.0100	.0305	24.6
20.	293.920	.750	.0106	.0300	26.1
25.	367.408	.600	.0106	.0300	26.1
30.	440.880	.500	.0106	.0300	26.1
35.	514.360	.430	.0113	.0293	27.8
40.	587.840	.370	.0121	.0285	29.8
45.	661.320	.330	.0124	.0281	30.7
50.	734.800	.300	.0128	.0278	31.5
55.	808.280	.270	.0134	.0272	33.0
60.	881.760	.250	.0139	.0266	34.4
65.	955.240	.230	.0144	.0261	35.5
70.	1028.720	.210	.0149	.0257	36.7
75.	1102.200	.200	.0151	.0254	37.2
80.	1175.680	.180	.0153	.0252	37.8
85.	1249.160	.170	.0156	.0250	38.4

POROSITY DATA FOR SAMPLE N 2- 947.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA. INDICATED
90.	1322.640	.160	.0158	.0247	39.0
100.	1469.600	.150	.0160	.0245	39.5
110.	1616.560	.140	.0164	.0242	40.4
120.	1763.520	.130	.0167	.0238	41.3
130.	1910.480	.120	.0173	.0232	42.7
140.	2057.440	.110	.0174	.0231	43.0
150.	2204.400	.100	.0175	.0230	43.3
170.	2498.320	.088	.0180	.0225	44.4
180.	2645.280	.083	.0185	.0221	45.6
190.	2792.240	.079	.0185	.0221	45.6
200.	2939.200	.075	.0187	.0218	46.1
220.	3233.120	.068	.0192	.0214	47.3
240.	3527.040	.062	.0196	.0209	48.4
260.	3820.960	.057	.0197	.0208	48.7
280.	4114.880	.053	.0200	.0206	49.3
300.	4408.800	.050	.0202	.0203	49.9
330.	4849.680	.045	.0208	.0197	51.3
360.	5290.560	.041	.0210	.0195	51.9
390.	5731.440	.039	.0214	.0192	52.7
420.	6172.320	.035	.0220	.0186	54.2
450.	6613.200	.033	.0222	.0184	54.7
490.	7201.040	.030	.0228	.0178	56.2
510.	7494.960	.029	.0230	.0175	56.7
540.	7935.840	.027	.0233	.0172	57.6
590.	8670.640	.025	.0243	.0163	59.9
610.	8964.560	.024	.0245	.0160	60.5
640.	9405.440	.023	.0252	.0153	62.2
700.	10287.200	.021	.0262	.0143	64.8
740.	10875.040	.020	.0278	.0128	68.5
770.	11315.920	.019	.0290	.0115	71.6
800.	11756.800	.019	.0312	.0093	77.1
830.	12197.680	.018	.0330	.0075	81.4
860.	12638.560	.017	.0348	.0057	86.0
900.	13226.400	.017	.0370	.0035	91.4
930.	13667.280	.016	.0386	.0020	95.1
960.	13961.200	.016	.0397	.0008	98.0
1000.	14696.000	.014	.0405	.0000	100.0

POROSITY DATA FOR SAMPLE N 2- 961.

SEQUENCE NUMBER 5
PORE VOLUME .047 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PER. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0469	.0
2.	29.392	7.500	.0025	.0443	5.4
3.	44.088	5.000	.0034	.0434	7.4
4.	58.784	3.700	.0041	.0427	8.8
5.	73.480	3.000	.0046	.0423	9.8
6.	88.176	2.500	.0052	.0417	11.0
7.	102.872	2.100	.0057	.0411	12.3
8.	117.568	1.800	.0062	.0407	13.2
9.	132.264	1.600	.0067	.0402	14.2
10.	146.960	1.500	.0074	.0395	15.7
11.	161.656	1.400	.0080	.0388	17.2
12.	176.352	1.300	.0084	.0385	17.9
13.	191.048	1.200	.0090	.0379	19.1
14.	205.744	1.100	.0092	.0377	19.6
15.	220.440	1.000	.0099	.0370	21.1
16.	235.136	.930	.0101	.0368	21.6
17.	249.832	.880	.0107	.0362	22.8
18.	264.528	.830	.0111	.0357	23.8
19.	279.224	.790	.0116	.0353	24.8
20.	293.920	.750	.0124	.0345	26.5
25.	367.408	.600	.0124	.0345	26.5
30.	440.896	.500	.0124	.0345	26.5
35.	514.384	.430	.0131	.0338	27.9
40.	587.872	.370	.0138	.0331	29.4
45.	661.360	.330	.0149	.0319	31.9
50.	734.848	.300	.0161	.0308	34.3
55.	808.336	.270	.0169	.0300	36.0
60.	881.824	.250	.0177	.0292	37.7
65.	955.312	.230	.0179	.0289	38.2
70.	1028.800	.210	.0181	.0287	38.7
75.	1102.288	.200	.0184	.0285	39.2
80.	1175.776	.180	.0186	.0283	39.7
85.	1249.264	.170	.0192	.0277	40.9

POROSITY DATA FOR SAMPLE N 2- 961.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0198	.0271	42.2
100.	1469.600	.150	.0200	.0269	42.6
110.	1616.560	.140	.0204	.0264	43.6
120.	1763.520	.130	.0211	.0257	45.1
130.	1910.480	.120	.0216	.0253	46.1
140.	2057.440	.110	.0216	.0253	46.1
150.	2204.400	.100	.0221	.0248	47.1
170.	2498.320	.088	.0225	.0244	48.0
180.	2645.280	.083	.0227	.0241	48.5
190.	2792.240	.073	.0230	.0239	49.0
200.	2939.200	.075	.0230	.0239	49.0
220.	3233.120	.068	.0237	.0232	50.5
240.	3527.040	.062	.0241	.0227	51.5
260.	3820.960	.057	.0244	.0225	52.0
280.	4114.880	.053	.0248	.0221	52.9
300.	4408.800	.050	.0253	.0216	53.9
310.	4849.680	.045	.0255	.0214	54.4
360.	5290.560	.041	.0257	.0211	54.9
370.	5731.440	.038	.0264	.0204	56.4
420.	6172.320	.035	.0265	.0203	56.6
450.	6613.200	.033	.0269	.0200	57.4
490.	7201.040	.030	.0276	.0193	58.8
510.	7494.960	.029	.0279	.0190	59.6
540.	7935.840	.027	.0284	.0185	60.5
590.	8670.640	.025	.0293	.0176	62.5
610.	8964.560	.024	.0297	.0171	63.5
640.	9405.440	.023	.0309	.0160	65.9
700.	10287.200	.021	.0340	.0129	72.5
740.	10875.040	.020	.0377	.0092	80.4
770.	11315.920	.019	.0386	.0083	82.4
800.	11756.800	.019	.0402	.0067	85.8
830.	12197.680	.018	.0413	.0055	88.2
860.	12638.560	.017	.0426	.0042	90.9
900.	13226.400	.017	.0438	.0031	93.4
930.	13667.280	.016	.0441	.0028	94.1
960.	13961.200	.016	.0456	.0013	97.3
1000.	14696.000	.014	.0469	.0000	100.0

POROSITY DATA FOR SAMPLE N. 2- 980.

SEQUENCE NUMBER 7
PORE VOLUME .052 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0524	.0
2.	29.392	7.500	.0026	.0497	5.0
3.	44.089	5.000	.0039	.0485	7.5
4.	58.784	3.700	.0047	.0477	9.0
5.	73.480	3.000	.0057	.0466	11.0
6.	88.176	2.500	.0062	.0462	11.8
7.	102.872	2.100	.0075	.0449	14.3
8.	117.568	1.800	.0086	.0438	16.4
9.	132.264	1.600	.0092	.0432	17.5
10.	146.960	1.500	.0099	.0425	18.9
11.	161.656	1.400	.0109	.0415	20.8
12.	176.352	1.300	.0117	.0407	22.4
13.	191.048	1.200	.0129	.0395	24.6
14.	205.744	1.100	.0133	.0391	25.4
15.	220.440	1.000	.0140	.0384	26.8
16.	235.136	.930	.0142	.0381	27.2
17.	249.832	.880	.0148	.0376	28.3
18.	264.528	.830	.0154	.0370	29.4
19.	279.224	.790	.0165	.0358	31.6
20.	293.920	.750	.0172	.0352	32.9
25.	367.400	.500	.0173	.0350	33.1
30.	440.880	.500	.0175	.0349	33.3
35.	514.360	.430	.0185	.0339	35.3
40.	587.840	.370	.0195	.0329	37.3
45.	661.320	.330	.0201	.0323	38.4
50.	734.800	.300	.0207	.0317	39.5
55.	808.280	.270	.0213	.0311	40.6
60.	881.760	.250	.0218	.0306	41.7
65.	955.240	.230	.0224	.0300	42.8
70.	1028.720	.210	.0230	.0294	43.9
75.	1102.200	.200	.0233	.0291	44.5
80.	1175.680	.180	.0237	.0287	45.2
85.	1249.160	.170	.0237	.0287	45.2

POROSITY DATA FOR SAMPLE N 2- 980.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0237	.0287	45.2
100.	1469.600	.150	.0244	.0280	46.5
110.	1616.560	.140	.0247	.0277	47.1
120.	1763.520	.130	.0253	.0271	48.2
130.	1910.480	.120	.0256	.0268	48.9
140.	2057.440	.110	.0260	.0264	49.6
150.	2204.400	.100	.0263	.0261	50.2
170.	2498.320	.088	.0267	.0257	50.9
180.	2645.280	.083	.0269	.0255	51.3
190.	2792.240	.079	.0271	.0253	51.8
200.	2939.200	.075	.0276	.0248	52.6
220.	3233.120	.068	.0276	.0248	52.6
240.	3527.040	.062	.0285	.0239	54.4
260.	3820.960	.057	.0285	.0239	54.4
280.	4114.880	.053	.0287	.0237	54.8
300.	4408.800	.050	.0292	.0232	55.7
330.	4849.680	.045	.0296	.0227	56.6
360.	5290.560	.041	.0300	.0224	57.2
390.	5731.440	.039	.0303	.0221	57.9
420.	6172.320	.035	.0309	.0215	59.0
450.	6613.200	.033	.0311	.0213	59.4
490.	7201.040	.030	.0316	.0208	60.3
510.	7494.960	.029	.0321	.0203	61.2
540.	7935.840	.027	.0326	.0198	62.3
590.	8670.640	.025	.0335	.0188	64.0
610.	8964.560	.024	.0342	.0182	65.4
640.	9405.440	.023	.0354	.0170	67.5
700.	10287.200	.021	.0394	.0130	75.2
740.	10875.040	.020	.0416	.0108	79.4
770.	11315.920	.019	.0440	.0084	84.0
800.	11756.800	.019	.0455	.0069	86.8
830.	12197.680	.019	.0463	.0061	88.4
860.	12638.560	.017	.0480	.0044	91.7
900.	13226.400	.017	.0487	.0037	93.0
930.	13667.280	.016	.0499	.0025	95.2
960.	13961.200	.016	.0508	.0016	96.9
1000.	14696.000	.014	.0524	.0000	100.0

SEQUENCE NUMBER 9
PORE VOLUME .058 CC/G

POROSITY DATA FOR SAMPLE N 2-1000.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0580	.0
2.	23.392	7.500	.0016	.0563	2.8
3.	44.088	5.000	.0034	.0546	5.8
4.	53.784	3.700	.0048	.0532	8.3
5.	73.480	3.000	.0057	.0523	9.8
6.	83.176	2.500	.0065	.0514	11.3
7.	102.872	2.100	.0074	.0505	12.8
8.	117.568	1.800	.0083	.0497	14.3
9.	132.264	1.600	.0090	.0490	15.4
10.	142.960	1.500	.0097	.0482	16.8
11.	161.656	1.400	.0105	.0475	18.1
12.	175.352	1.300	.0114	.0466	19.6
13.	198.048	1.200	.0122	.0457	21.1
14.	205.744	1.100	.0130	.0450	22.4
15.	220.440	1.000	.0138	.0442	23.7
16.	235.136	.930	.0142	.0438	24.5
17.	243.832	.880	.0153	.0427	26.4
18.	264.528	.830	.0163	.0417	28.1
19.	273.224	.790	.0169	.0410	29.2
20.	293.920	.750	.0175	.0405	30.1
25.	367.400	.600	.0177	.0403	30.5
30.	440.880	.500	.0179	.0401	30.9
35.	514.360	.430	.0193	.0386	33.3
40.	587.840	.370	.0207	.0372	35.8
45.	661.320	.330	.0224	.0356	38.6
50.	734.800	.300	.0240	.0339	41.4
55.	808.280	.270	.0248	.0332	42.7
60.	881.760	.250	.0255	.0324	44.1
65.	955.240	.230	.0270	.0310	46.5
70.	1028.720	.210	.0273	.0307	47.1
75.	1102.200	.200	.0278	.0301	48.0
80.	1175.680	.180	.0284	.0296	49.0
85.	1249.160	.170	.0288	.0291	49.7

POROSITY DATA FOR SAMPLE N 2-1000.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0293	.0287	50.5
100.	1469.600	.150	.0299	.0281	51.6
110.	1616.560	.140	.0308	.0272	53.1
120.	1763.520	.130	.0317	.0263	54.6
130.	1910.480	.120	.0319	.0261	55.0
140.	2057.440	.110	.0324	.0255	55.9
150.	2204.400	.100	.0327	.0252	56.5
170.	2498.320	.088	.0338	.0241	58.4
180.	2645.280	.083	.0338	.0241	58.4
190.	2792.240	.079	.0343	.0237	59.1
200.	2939.200	.075	.0347	.0233	59.9
220.	3233.120	.068	.0353	.0227	60.8
240.	3527.040	.062	.0356	.0224	61.4
260.	3820.960	.057	.0361	.0218	62.3
280.	4114.880	.053	.0369	.0211	63.7
300.	4408.800	.050	.0376	.0204	64.8
330.	4849.680	.045	.0380	.0200	65.5
360.	5290.560	.041	.0383	.0196	66.1
390.	5731.440	.038	.0392	.0188	67.6
420.	6172.320	.035	.0395	.0184	68.2
450.	6613.200	.033	.0405	.0175	69.9
490.	7201.040	.030	.0408	.0171	70.4
510.	7494.960	.029	.0410	.0169	70.8
540.	7935.840	.027	.0417	.0163	71.9
590.	8670.640	.025	.0425	.0155	73.3
610.	8964.560	.024	.0427	.0153	73.6
640.	9405.440	.023	.0433	.0146	74.8
700.	10287.200	.021	.0443	.0136	76.5
740.	10875.040	.020	.0450	.0130	77.6
770.	11315.920	.019	.0456	.0123	78.7
800.	11756.800	.019	.0464	.0116	80.0
830.	12197.680	.018	.0475	.0105	81.9
860.	12638.560	.017	.0485	.0095	83.6
900.	13226.400	.017	.0512	.0068	86.3
930.	13667.280	.016	.0529	.0050	91.3
960.	13961.200	.016	.0546	.0034	94.2
1000.	14696.000	.014	.0580	.0000	100.0

SEQUENCE NUMBER 11
 PORE VOLUME .024 CC/G

POROSITY DATA FOR SAMPLE N 2-1020.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0235	.0
2.	29.392	7.500	.0000	.0235	.0
3.	44.088	5.000	.0000	.0235	.0
4.	58.784	3.700	.0015	.0220	6.4
5.	73.480	3.000	.0021	.0214	8.9
6.	88.176	2.500	.0022	.0213	9.4
7.	102.872	2.100	.0024	.0211	10.4
8.	117.568	1.800	.0030	.0205	12.9
9.	132.264	1.600	.0041	.0194	17.3
10.	146.960	1.500	.0041	.0194	17.3
11.	161.656	1.400	.0047	.0189	19.8
12.	176.352	1.300	.0052	.0183	22.3
13.	191.048	1.200	.0052	.0183	22.3
14.	205.744	1.100	.0052	.0183	22.3
15.	220.440	1.000	.0052	.0183	22.3
16.	235.136	.900	.0055	.0180	23.3
17.	249.832	.800	.0056	.0179	23.8
18.	264.528	.800	.0058	.0177	24.8
19.	279.224	.750	.0063	.0172	26.7
20.	293.920	.750	.0065	.0170	27.7
25.	367.400	.600	.0065	.0170	27.7
30.	440.880	.500	.0065	.0170	27.7
35.	514.360	.430	.0070	.0165	29.7
40.	587.840	.370	.0075	.0161	31.7
45.	661.320	.330	.0082	.0154	34.7
50.	734.800	.300	.0089	.0147	37.6
55.	808.280	.270	.0069	.0167	29.2
60.	881.760	.250	.0095	.0140	40.6
65.	955.240	.230	.0100	.0135	42.6
70.	1028.720	.210	.0105	.0130	44.6
75.	1102.200	.200	.0107	.0128	45.5
80.	1175.680	.180	.0109	.0126	46.5
85.	1249.160	.170	.0112	.0123	47.5

POROSITY DATA FOR SAMPLE N 2-1020.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0114	.0121	48.5
100.	1469.600	.150	.0114	.0121	48.5
110.	1616.560	.140	.0116	.0119	49.5
120.	1763.520	.130	.0118	.0118	50.0
130.	1910.480	.120	.0116	.0118	50.0
140.	2057.440	.110	.0127	.0108	54.0
150.	2204.400	.100	.0128	.0107	54.5
170.	2498.320	.088	.0133	.0102	56.4
180.	2645.280	.083	.0134	.0101	56.9
190.	2792.240	.079	.0137	.0098	58.4
200.	2939.200	.075	.0137	.0098	58.4
220.	3233.120	.068	.0137	.0098	58.4
240.	3527.040	.062	.0141	.0094	59.9
260.	3820.960	.057	.0144	.0091	61.4
280.	4114.880	.053	.0144	.0091	61.4
300.	4408.800	.050	.0144	.0091	61.4
330.	4849.680	.045	.0148	.0087	62.9
360.	5290.560	.041	.0151	.0084	64.4
390.	5731.440	.038	.0155	.0080	65.8
420.	6172.320	.035	.0156	.0079	66.3
450.	6613.200	.033	.0162	.0073	68.8
490.	7201.040	.030	.0164	.0071	69.8
510.	7494.960	.029	.0164	.0071	69.8
540.	7935.840	.027	.0169	.0066	71.8
590.	8670.640	.025	.0176	.0059	74.8
610.	8964.560	.024	.0177	.0058	75.2
640.	9405.440	.023	.0180	.0055	76.7
700.	10287.200	.021	.0187	.0048	79.7
740.	10875.040	.020	.0191	.0044	81.2
770.	11315.920	.019	.0191	.0044	81.2
800.	11756.800	.019	.0199	.0036	84.7
830.	12197.680	.018	.0203	.0033	86.1
860.	12638.560	.017	.0205	.0030	87.1
900.	13226.400	.017	.0213	.0022	90.6
930.	13667.280	.016	.0220	.0015	93.6
960.	13961.200	.016	.0222	.0013	94.6
1000.	14696.000	.014	.0235	.0000	100.0

SEQUENCE NUMBER 13
PORE VOLUME .023 CC/G

POROSITY DATA FOR SAMPLE N 2-1040.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.636	15.000	.0000	.0234	.0
2.	29.392	7.500	.0009	.0225	3.9
3.	44.068	5.000	.0011	.0222	4.9
4.	58.784	3.700	.0012	.0221	5.3
5.	73.480	3.000	.0020	.0213	8.7
6.	88.176	2.500	.0023	.0211	9.7
7.	102.872	2.100	.0023	.0211	9.7
8.	117.568	1.800	.0024	.0210	10.2
9.	132.264	1.600	.0027	.0206	11.7
10.	146.960	1.500	.0029	.0204	12.6
11.	161.656	1.400	.0034	.0200	14.6
12.	176.352	1.300	.0034	.0200	14.6
13.	191.048	1.200	.0034	.0200	14.6
14.	205.744	1.100	.0036	.0197	15.5
15.	220.440	1.000	.0041	.0193	17.5
16.	235.136	.930	.0043	.0191	18.4
17.	249.832	.960	.0044	.0189	18.9
18.	264.528	.830	.0045	.0188	19.4
19.	279.224	.790	.0049	.0185	20.9
20.	293.920	.750	.0052	.0182	22.3
25.	367.400	.600	.0052	.0182	22.3
30.	440.880	.500	.0052	.0182	22.3
35.	514.360	.430	.0057	.0177	24.3
40.	587.840	.370	.0061	.0172	26.2
45.	651.320	.330	.0065	.0169	27.7
50.	734.800	.300	.0068	.0166	29.1
55.	818.280	.270	.0074	.0160	31.6
60.	891.760	.250	.0079	.0154	34.0
65.	955.240	.230	.0082	.0152	35.0
70.	1028.720	.210	.0084	.0150	35.9
75.	1102.200	.200	.0086	.0147	36.9
80.	1175.680	.190	.0088	.0145	37.9
85.	1249.160	.170	.0091	.0143	38.8

POROSITY DATA FOR SAMPLE N 2-1040.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0093	.0141	39.8
100.	1469.600	.150	.0095	.0138	40.8
110.	1616.560	.140	.0101	.0133	43.2
120.	1763.520	.130	.0103	.0130	44.2
130.	1910.480	.120	.0104	.0129	44.7
140.	2057.440	.110	.0107	.0127	45.6
150.	2204.400	.100	.0110	.0124	47.1
170.	2498.320	.088	.0113	.0120	48.5
180.	2645.280	.083	.0115	.0119	49.0
190.	2792.240	.079	.0118	.0116	50.5
200.	2939.200	.075	.0118	.0116	50.5
220.	3233.120	.068	.0124	.0110	52.9
240.	3527.040	.062	.0126	.0108	53.9
260.	3820.960	.057	.0128	.0106	54.9
280.	4114.880	.053	.0128	.0106	54.9
300.	4408.800	.050	.0128	.0106	54.9
330.	4849.680	.045	.0132	.0102	56.3
360.	5290.560	.041	.0142	.0092	60.7
390.	5731.440	.038	.0142	.0092	60.7
420.	6172.320	.035	.0147	.0086	63.1
450.	6613.200	.033	.0147	.0086	63.1
490.	7201.040	.030	.0155	.0078	66.5
510.	7494.960	.029	.0155	.0078	66.5
540.	7935.840	.027	.0161	.0073	68.9
590.	8670.640	.025	.0163	.0070	69.9
610.	8964.560	.024	.0163	.0070	69.9
640.	9405.440	.023	.0166	.0068	70.9
700.	10287.200	.021	.0166	.0068	70.9
740.	10875.040	.020	.0176	.0058	75.2
770.	11315.920	.019	.0178	.0056	76.2
800.	11756.800	.019	.0180	.0053	77.2
830.	12197.680	.018	.0185	.0049	79.1
860.	12638.560	.017	.0192	.0042	82.0
900.	13226.400	.017	.0195	.0039	83.5
930.	13667.280	.016	.0209	.0025	89.3
960.	13961.200	.016	.0220	.0014	94.2
1000.	14696.000	.014	.0234	.0000	100.0

POROSITY DATA FOR SAMPLE N 2-1060.

SEQUENCE NUMBER 15
PORE VOLUME .026 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0256	.0
2.	29.392	7.500	.0023	.0233	9.1
3.	44.088	5.000	.0035	.0221	13.7
4.	58.784	3.700	.0047	.0209	18.3
5.	73.480	3.000	.0056	.0200	21.9
6.	88.176	2.500	.0061	.0195	23.7
7.	102.872	2.000	.0061	.0195	23.7
8.	117.568	1.900	.0068	.0188	26.5
9.	132.264	1.800	.0068	.0188	26.5
10.	146.960	1.500	.0068	.0188	26.5
11.	161.656	1.400	.0068	.0188	26.5
12.	176.352	1.300	.0068	.0188	26.5
13.	191.048	1.200	.0068	.0188	26.5
14.	205.744	1.100	.0068	.0188	26.5
15.	220.440	1.000	.0068	.0188	26.5
16.	235.136	.930	.0068	.0188	26.5
17.	249.832	.890	.0068	.0188	26.5
18.	264.528	.830	.0068	.0188	26.5
19.	279.224	.790	.0068	.0188	26.5
20.	293.920	.750	.0068	.0188	26.5
25.	367.400	.600	.0068	.0188	26.5
30.	440.880	.500	.0068	.0188	26.5
35.	514.360	.430	.0068	.0188	26.5
40.	587.840	.370	.0068	.0188	26.5
45.	661.320	.330	.0074	.0182	28.8
50.	734.800	.300	.0080	.0177	31.1
55.	808.280	.270	.0088	.0168	34.2
60.	881.760	.250	.0096	.0160	37.4
65.	955.240	.230	.0101	.0156	39.3
70.	1028.720	.210	.0105	.0151	41.1
75.	1102.200	.200	.0110	.0146	42.9
80.	1175.680	.190	.0115	.0142	44.7
85.	1249.160	.170	.0117	.0139	45.7

POROSITY DATA FOR SAMPLE N 2-1060.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0119	.0137	46.6
100.	1469.600	.150	.0124	.0132	48.4
110.	1616.560	.140	.0126	.0130	49.3
120.	1763.520	.130	.0132	.0124	51.6
130.	1910.480	.120	.0136	.0120	53.0
140.	2057.440	.110	.0140	.0116	54.8
150.	2204.400	.100	.0143	.0113	55.7
170.	2498.320	.088	.0145	.0111	56.6
180.	2645.280	.083	.0150	.0106	58.4
190.	2792.240	.079	.0151	.0105	58.9
200.	2939.200	.075	.0151	.0105	58.9
220.	3233.120	.068	.0157	.0099	61.2
240.	3527.040	.062	.0158	.0098	61.6
260.	3820.960	.057	.0163	.0094	63.5
280.	4114.880	.053	.0166	.0090	64.8
300.	4408.800	.050	.0168	.0088	65.8
330.	4849.680	.045	.0173	.0083	67.6
360.	5230.560	.041	.0178	.0078	69.4
390.	5731.440	.038	.0180	.0076	70.3
420.	6172.320	.035	.0185	.0071	72.1
450.	6613.200	.033	.0193	.0063	75.3
490.	7201.040	.030	.0199	.0057	77.6
510.	7494.960	.029	.0199	.0057	77.6
540.	7935.840	.027	.0205	.0051	79.9
590.	8670.640	.025	.0205	.0051	79.9
610.	8964.560	.024	.0207	.0049	80.8
640.	9405.440	.023	.0215	.0041	84.0
700.	10287.200	.021	.0218	.0039	84.9
740.	10875.040	.020	.0226	.0030	88.1
770.	11315.920	.019	.0226	.0030	88.1
800.	11756.800	.019	.0226	.0030	88.1
830.	12197.680	.018	.0232	.0025	90.4
860.	12638.560	.017	.0237	.0019	92.7
900.	13226.400	.017	.0241	.0015	94.1
930.	13667.280	.016	.0250	.0006	97.7
960.	13961.200	.016	.0250	.0006	97.7
1000.	14696.000	.014	.0256	.0000	100.0

POROSITY DATA FOR SAMPLE N 2-1030.

SEQUENCE NUMBER 17
PORE VOLUME .016 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0165	.0
2.	29.392	7.500	.0011	.0154	6.5
3.	44.088	5.000	.0013	.0152	7.7
4.	58.784	3.700	.0017	.0148	10.3
5.	73.480	3.000	.0021	.0143	12.9
6.	88.176	2.500	.0021	.0143	12.9
7.	102.872	2.100	.0021	.0143	12.9
8.	117.568	1.800	.0021	.0143	12.9
9.	132.264	1.600	.0023	.0141	14.2
10.	146.960	1.500	.0026	.0139	15.5
11.	161.656	1.400	.0027	.0138	16.1
12.	176.352	1.300	.0028	.0137	16.8
13.	191.048	1.200	.0033	.0132	20.0
14.	205.744	1.100	.0033	.0132	20.0
15.	220.440	1.000	.0043	.0122	25.8
16.	235.136	.900	.0044	.0121	26.5
17.	249.832	.800	.0044	.0121	26.5
18.	264.528	.700	.0044	.0121	26.5
19.	279.224	.600	.0044	.0121	26.5
20.	293.920	.500	.0045	.0120	27.1
25.	367.400	.400	.0046	.0119	27.7
30.	440.880	.300	.0047	.0118	28.4
35.	514.360	.200	.0050	.0115	30.3
40.	587.840	.150	.0053	.0112	32.3
45.	661.320	.100	.0056	.0109	34.2
50.	734.800	.080	.0060	.0105	36.1
55.	808.280	.070	.0063	.0102	38.1
60.	881.760	.060	.0068	.0097	41.3
65.	955.240	.050	.0069	.0096	41.9
70.	1028.720	.040	.0070	.0095	42.6
75.	1102.200	.030	.0072	.0092	43.9
80.	1175.680	.020	.0074	.0090	45.2
85.	1249.160	.010	.0078	.0087	47.1

POROSITY DATA FOR SAMPLE N 2-1080.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0081	.0084	49.0
100.	1469.600	.150	.0081	.0084	49.0
110.	1616.560	.140	.0084	.0081	51.0
120.	1763.520	.130	.0085	.0080	51.6
130.	1910.480	.120	.0085	.0080	51.6
140.	2057.440	.110	.0089	.0075	54.2
150.	2204.400	.100	.0091	.0073	55.5
170.	2498.320	.089	.0091	.0073	55.5
180.	2645.280	.083	.0096	.0069	58.1
190.	2792.240	.079	.0096	.0069	58.1
200.	2939.200	.075	.0096	.0069	58.1
220.	3233.120	.068	.0100	.0065	60.6
240.	3527.040	.062	.0100	.0065	60.6
260.	3820.960	.057	.0102	.0063	61.9
280.	4114.880	.053	.0106	.0058	64.5
300.	4408.800	.050	.0106	.0058	64.5
330.	4849.680	.045	.0108	.0056	65.8
360.	5290.560	.041	.0113	.0052	68.4
390.	5731.440	.039	.0116	.0049	70.3
420.	6172.320	.035	.0117	.0048	71.0
450.	6613.200	.033	.0121	.0044	73.5
490.	7201.040	.030	.0123	.0041	74.8
510.	7494.960	.029	.0125	.0039	76.1
540.	7935.840	.027	.0126	.0038	76.8
590.	8670.640	.025	.0131	.0034	79.4
610.	8964.560	.024	.0134	.0031	81.3
640.	9405.440	.023	.0136	.0029	82.6
700.	10207.200	.021	.0141	.0023	85.8
740.	10875.040	.020	.0145	.0020	87.7
770.	11315.920	.019	.0147	.0018	89.0
800.	11756.800	.019	.0149	.0016	90.3
830.	12197.680	.018	.0151	.0014	91.6
860.	12638.560	.017	.0153	.0012	92.9
900.	13226.400	.017	.0155	.0010	94.2
930.	13667.280	.016	.0157	.0007	95.5
960.	13961.200	.016	.0162	.0003	98.1
1000.	14696.000	.014	.0165	.0000	100.0

SEQUENCE NUMBER 19
PORE VOLUME .020 CC/G

POROSITY DATA FOR SAMPLE N 2-1100.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0199	.0
2.	29.392	7.500	.0009	.0190	4.3
3.	44.088	5.000	.0012	.0187	5.9
4.	58.784	3.700	.0017	.0182	8.6
5.	73.480	3.000	.0021	.0177	10.8
6.	88.176	2.500	.0022	.0176	11.3
7.	102.872	2.100	.0027	.0172	13.4
8.	117.568	1.800	.0031	.0168	15.6
9.	132.264	1.600	.0036	.0162	18.3
10.	146.960	1.500	.0041	.0158	20.4
11.	161.656	1.400	.0042	.0157	21.0
12.	176.352	1.300	.0046	.0153	23.1
13.	191.048	1.200	.0050	.0148	25.3
14.	205.744	1.100	.0053	.0145	26.9
15.	220.440	1.000	.0053	.0145	26.9
16.	235.136	.930	.0057	.0142	28.5
17.	249.832	.880	.0061	.0138	30.6
18.	264.528	.830	.0064	.0135	32.3
19.	279.224	.790	.0066	.0132	33.3
20.	293.920	.750	.0068	.0130	34.4
25.	367.400	.600	.0069	.0129	34.9
30.	440.980	.500	.0070	.0128	35.5
35.	514.360	.430	.0075	.0124	37.6
40.	587.840	.370	.0079	.0120	39.8
45.	661.320	.330	.0082	.0116	41.4
50.	734.800	.300	.0085	.0113	43.0
55.	808.280	.270	.0089	.0110	44.6
60.	881.760	.250	.0092	.0107	46.2
65.	955.240	.230	.0095	.0104	47.8
70.	1028.720	.210	.0098	.0100	49.5
75.	1102.200	.200	.0100	.0098	50.5
80.	1175.680	.180	.0102	.0096	51.6
85.	1249.160	.170	.0105	.0094	52.7

POROSITY DATA FOR SAMPLE N 2-1100.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0107	.0092	53.8
100.	1469.600	.150	.0109	.0090	54.8
110.	1616.560	.140	.0112	.0086	56.5
120.	1763.520	.130	.0115	.0083	58.1
130.	1910.480	.120	.0116	.0082	58.6
140.	2057.440	.110	.0117	.0081	59.1
150.	2204.400	.100	.0117	.0081	59.1
170.	2498.320	.089	.0122	.0077	61.3
180.	2645.280	.083	.0124	.0075	62.4
190.	2792.240	.079	.0126	.0073	63.4
200.	2939.200	.075	.0128	.0070	64.5
220.	3233.120	.069	.0129	.0069	65.1
240.	3527.040	.062	.0130	.0068	65.6
260.	3820.960	.057	.0135	.0064	67.7
280.	4114.880	.053	.0137	.0062	68.8
300.	4408.800	.050	.0137	.0062	68.8
320.	4849.680	.045	.0142	.0057	71.5
360.	5290.560	.041	.0143	.0056	72.0
390.	5731.440	.039	.0147	.0051	74.2
420.	6172.320	.035	.0149	.0049	75.3
450.	6613.200	.033	.0153	.0046	76.9
490.	7201.040	.030	.0157	.0042	79.0
510.	7494.960	.029	.0159	.0040	80.1
540.	7935.840	.027	.0160	.0038	80.6
590.	8670.640	.025	.0165	.0033	83.3
610.	8964.560	.024	.0168	.0031	84.4
640.	9405.440	.023	.0170	.0029	85.5
700.	10287.200	.021	.0175	.0023	88.2
740.	10875.040	.020	.0177	.0021	89.2
770.	11315.920	.019	.0182	.0017	91.4
800.	11756.800	.019	.0182	.0017	91.4
830.	12197.680	.019	.0185	.0014	93.0
860.	12638.560	.017	.0187	.0012	94.1
900.	13226.400	.017	.0190	.0009	95.7
930.	13667.280	.016	.0192	.0006	96.8
960.	13961.200	.016	.0196	.0002	98.9
1000.	14696.000	.014	.0199	.0000	100.0

SEQUENCE NUMBER 21
PORE VOLUME .037 CC/G

POROSITY DATA FOR SAMPLE N 2-1120.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PST. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0369	.0
2.	29.392	7.500	.0020	.0349	5.5
3.	44.088	5.000	.0033	.0337	8.8
4.	58.784	3.700	.0039	.0330	10.6
5.	73.480	3.000	.0047	.0322	12.8
6.	88.176	2.500	.0056	.0313	15.2
7.	102.872	2.100	.0061	.0309	16.4
8.	117.568	1.800	.0070	.0300	18.8
9.	132.264	1.500	.0079	.0291	21.3
10.	146.960	1.500	.0082	.0287	22.2
11.	161.656	1.400	.0090	.0279	24.3
12.	176.352	1.300	.0090	.0279	24.3
13.	191.048	1.200	.0101	.0268	27.4
14.	205.744	1.100	.0107	.0263	28.9
15.	220.440	1.000	.0112	.0257	30.4
16.	235.136	.930	.0114	.0255	31.0
17.	249.832	.880	.0121	.0248	32.8
18.	264.528	.830	.0123	.0246	33.4
19.	279.224	.790	.0125	.0245	33.7
20.	293.920	.750	.0130	.0239	35.3
25.	367.400	.600	.0132	.0237	35.9
30.	440.880	.500	.0135	.0234	36.5
35.	514.360	.430	.0141	.0228	38.3
40.	587.840	.370	.0148	.0221	40.1
45.	661.320	.330	.0159	.0210	43.2
50.	734.800	.300	.0171	.0199	46.2
55.	808.280	.270	.0177	.0192	48.0
60.	881.760	.250	.0184	.0185	49.8
65.	955.240	.230	.0187	.0182	50.8
70.	1028.720	.210	.0191	.0178	51.7
75.	1102.200	.200	.0194	.0175	52.6
80.	1175.680	.180	.0197	.0172	53.5
85.	1249.160	.170	.0200	.0169	54.1

POROSITY DATA FOR SAMPLE N 2-1120.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0202	.0167	54.7
100.	1469.600	.150	.0203	.0166	55.0
110.	1616.560	.140	.0208	.0162	56.2
120.	1763.520	.130	.0208	.0162	56.2
130.	1910.480	.120	.0219	.0150	59.3
140.	2057.440	.110	.0220	.0149	59.6
150.	2204.400	.100	.0222	.0147	60.2
170.	2499.320	.088	.0224	.0145	60.8
180.	2645.280	.083	.0226	.0144	61.1
190.	2792.240	.073	.0229	.0140	62.0
200.	2939.200	.075	.0229	.0140	62.0
220.	3233.120	.068	.0236	.0134	63.8
240.	3527.040	.062	.0239	.0130	64.7
260.	3820.960	.057	.0239	.0130	64.7
280.	4114.880	.053	.0243	.0126	66.0
300.	4408.800	.050	.0247	.0122	66.9
330.	4849.680	.045	.0248	.0121	67.2
360.	5290.560	.041	.0254	.0116	68.7
390.	5731.440	.038	.0258	.0111	69.9
420.	6172.320	.035	.0259	.0110	70.2
450.	6613.200	.033	.0259	.0110	70.2
490.	7201.040	.030	.0259	.0110	70.2
510.	7494.960	.029	.0269	.0100	72.9
540.	7935.840	.027	.0273	.0096	73.9
590.	8670.640	.025	.0279	.0090	75.7
610.	8964.560	.024	.0279	.0090	75.7
640.	9405.440	.023	.0285	.0084	77.2
700.	10287.200	.021	.0293	.0076	79.3
740.	10875.040	.020	.0294	.0075	79.6
770.	11315.920	.019	.0301	.0068	81.5
800.	11756.800	.019	.0301	.0068	81.5
830.	12197.680	.018	.0319	.0050	86.3
860.	12638.560	.017	.0323	.0046	87.5
900.	13226.400	.017	.0335	.0034	90.9
930.	13667.280	.016	.0344	.0025	93.3
960.	13961.200	.016	.0356	.0013	96.4
1000.	14696.000	.014	.0369	.0000	100.0

POROSITY DATA FOR SAMPLE N 2-1140.

SEQUENCE NUMBER 23
PORE VOLUME .025 CC/G

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
1.	14.696	15.000	.0000	.0254	.0
2.	23.392	7.500	.0009	.0245	3.7
3.	44.068	5.000	.0021	.0233	8.3
4.	54.784	3.700	.0021	.0233	8.3
5.	71.480	3.000	.0040	.0215	15.7
6.	88.176	2.500	.0040	.0215	15.7
7.	102.872	2.100	.0040	.0215	15.7
8.	117.568	1.900	.0040	.0215	15.7
9.	132.264	1.600	.0040	.0215	15.7
10.	146.960	1.500	.0040	.0215	15.7
11.	161.656	1.400	.0040	.0215	15.7
12.	176.352	1.300	.0073	.0182	28.6
13.	191.048	1.200	.0073	.0182	28.6
14.	205.744	1.100	.0077	.0177	30.4
15.	220.440	1.000	.0080	.0175	31.3
16.	235.136	.930	.0080	.0175	31.3
17.	249.832	.890	.0089	.0165	35.0
18.	264.528	.830	.0089	.0165	35.0
19.	279.224	.790	.0093	.0162	36.4
20.	293.920	.750	.0094	.0161	36.9
25.	367.400	.600	.0095	.0159	37.3
30.	440.880	.500	.0096	.0158	37.8
35.	514.360	.430	.0097	.0157	38.2
40.	587.840	.370	.0098	.0156	38.7
45.	661.320	.330	.0109	.0145	42.9
50.	734.800	.300	.0120	.0135	47.0
55.	808.280	.270	.0125	.0129	49.3
60.	881.760	.250	.0131	.0123	51.6
65.	955.240	.230	.0136	.0118	53.5
70.	1028.720	.210	.0141	.0114	55.3
75.	1102.200	.200	.0143	.0111	56.2
80.	1175.680	.180	.0145	.0109	57.1
85.	1249.160	.170	.0148	.0107	58.1

POROSITY DATA FOR SAMPLE N 2-1140.

PRESSURE ATMS	PRESSURE PSI	PORE DIAMETER MICRON	PORE VOLUME CC/G	CHANGE IN PORE VOLUME CC/G	PCT. PORES GREATER THAN DIA INDICATED
90.	1322.640	.160	.0150	.0104	59.0
100.	1469.600	.150	.0151	.0103	59.4
110.	1616.560	.140	.0155	.0100	60.8
120.	1763.520	.130	.0159	.0095	62.7
130.	1910.480	.120	.0161	.0094	63.1
140.	2057.440	.110	.0163	.0091	64.1
150.	2204.400	.100	.0166	.0088	65.4
170.	2498.320	.089	.0171	.0083	67.3
180.	2645.280	.083	.0171	.0083	67.3
190.	2792.240	.079	.0171	.0083	67.3
200.	2939.200	.075	.0178	.0076	70.0
220.	3233.120	.069	.0178	.0076	70.0
240.	3527.040	.062	.0183	.0072	71.9
260.	3820.960	.057	.0185	.0069	72.8
280.	4114.880	.053	.0189	.0066	74.2
300.	4408.800	.050	.0191	.0063	75.1
330.	4849.680	.045	.0196	.0059	77.0
360.	5290.560	.041	.0199	.0055	78.3
390.	5731.440	.039	.0199	.0055	78.3
420.	6172.320	.035	.0202	.0053	79.3
450.	6613.200	.033	.0210	.0045	82.5
490.	7201.040	.030	.0212	.0042	83.4
510.	7494.960	.029	.0212	.0042	83.4
540.	7935.840	.027	.0216	.0039	84.8
560.	8670.640	.025	.0222	.0033	87.1
610.	8964.560	.024	.0223	.0032	87.6
640.	9405.440	.023	.0225	.0029	88.5
700.	10297.200	.021	.0232	.0022	91.2
740.	10875.040	.020	.0237	.0018	93.1
770.	11315.920	.019	.0238	.0016	93.5
800.	11756.800	.019	.0240	.0014	94.5
830.	12197.680	.018	.0240	.0014	94.5
860.	12638.560	.017	.0244	.0011	95.9
900.	13226.400	.017	.0246	.0008	96.8
930.	13667.280	.016	.0250	.0005	98.2
960.	13961.200	.016	.0252	.0002	99.1
1000.	14696.000	.014	.0254	.0000	100.0

N 2 927.

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N 2 947.

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N 2 961.

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N₂ 2 980.

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N 21120.

N 21120.

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