



CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON — FORT ST. JOHN — CALGARY



— WATER ANALYSIS —

CONTAINER IDENTITY

LABORATORY NUMBER
D77-3502

OPERATOR NAME AND ADDRESS
COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

SAMPLE LOCATION

H 38

WELL OR SAMPLE LOCATION NAME

COLUMBIA ET AL KOTANEELEE YT

ELEVATIONS

KB GRD.

FIELD OR AREA

KOTANEELEE YT

POOL OR ZONE

NAME OF SAMPLER

COMPANY

PORTA-TEST
ENGINEERING

TEST TYPE C. NO.

TEST RECOVERY

TEST INTERVAL OR PERFS

POINT OF SAMPLE

SEP.

AMT & TYPE OF CUSHION

MUD RESISTIVITY

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

BBLS/D

OIL

BBLS/D

GAS

MCF/D

PRESSURES - PSIG

TEMPERATURES (°F)

SEPARATOR

TREATER

RESERVOIR

CONTAINER

WHEN SAMPLED

WHEN RECEIVED

SEPARATOR

TREATER

CONTAINER

WHEN SAMPLED

WHEN RECEIVED

DATE SAMPLED (D/M/Y)

12/12/77

DATE RECEIVED (D/M/Y)

20/12/77

DATE ANALYZED (D/M/Y)

23/12/77

ANALYST

A.S.

REMARKS

ION	MG/L	MG %	MEQ/L
Na	398	5.08	17.30
K			
Ca	1374	17.54	68.57
Mg	758	9.68	62.30
Ba			
Sr			
Fe	MUCH		

ION	MG/L	MG %	MEQ/L
Cl	5171	66.02	145.83
Br			
I			
HCO ₃	90	1.15	1.48
SO ₄	41	0.52	0.86
CO ₃	NIL		
OH	NIL		
H ₂ S	NIL		

TOTAL SOLIDS Mg/L

BY EVAPORATION

12015

@ 110°C

BY EVAPORATION

7832

@ 180°C

AT IGNITION

4655

CALCULATED

7832

ORGANIC MATTER: MUCH

SPECIFIC GRAVITY

1.008

@ 60°F

REFRACTIVE INDEX

1.3349

@ 25°C

OBSERVED PH

6.5

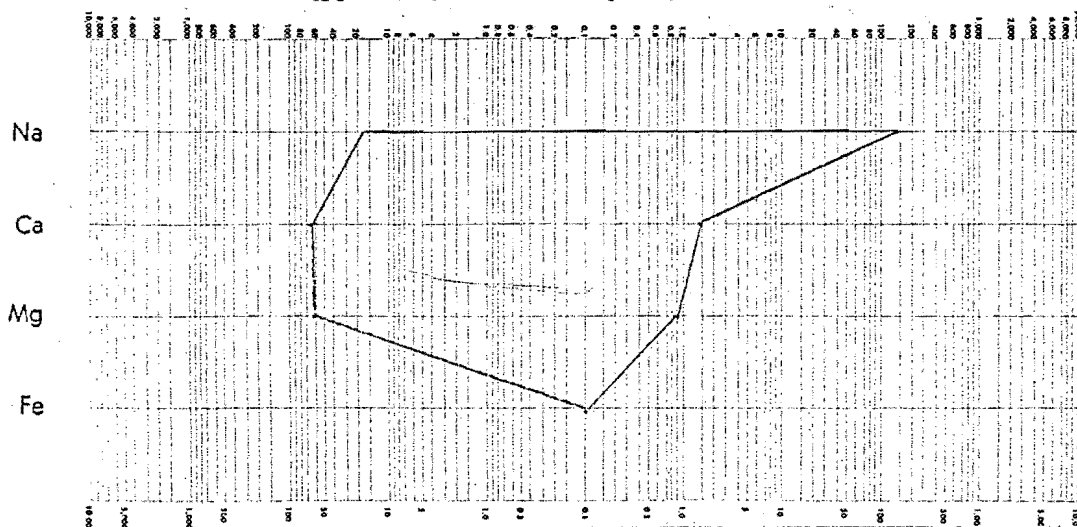
@ 70 °F

RESISTIVITY (Ohm/meters)

0.754

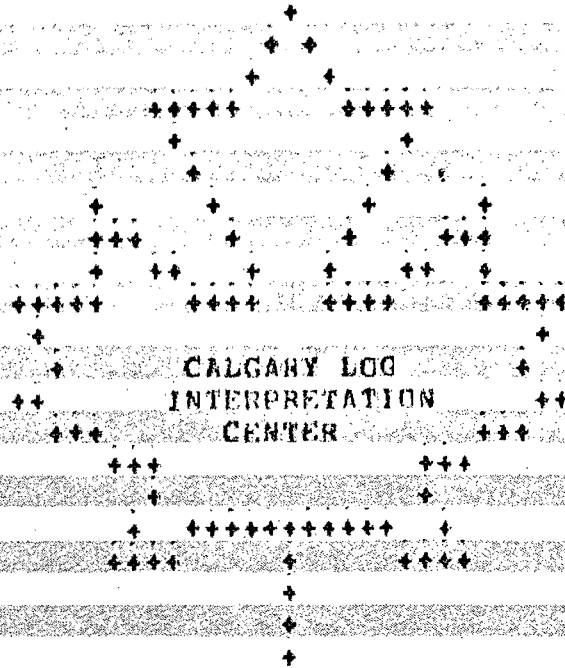
@ 25°C

LOGARITHMIC PATTERN MEQ PER LITER



Remarks and Conclusions

THE SAMPLE CONSISTED OF MURKY WATER.



T A B U L A R L I S T I N G O F C O R I B A N D D A T A

+++++
+
COLUMBIA GAS DEVELOPMENT OF CANADA LIMITED
+
COLUMBIA GAS ET AL KOTANEELEE YT H-38
+
60-07-16 N:124-06-C3 W
+
YUKON TERRITORIES
+
CANADA
+
JOB C-53730
+
+++++

2686

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
10850.0	0.01	36	4.1	0.0	2.73	31	24.51	16.92
10851.0	0.03	29	4.6	0.0	2.73	29	24.47	16.89
10852.0	0.00	59	1.8	0.0	2.72	42	24.43	16.87
10853.0	0.00	79	1.0	0.0	2.71	44	24.42	16.86
10854.0	0.00	46	3.4	0.0	2.72	36	24.40	16.86
10855.0	0.00	55	3.4	0.0	2.72	38	24.36	16.84
10856.0	0.00	79	2.4	0.0	2.71	40	24.33	16.83
10857.0	0.00	100	1.2	0.0	2.71	45	24.31	16.82
10858.0	0.00	100	0.7	0.0	2.72	47	24.30	16.82
10859.0	0.00	100	0.7	0.0	2.72	45	24.29	16.82
10860.0	0.00	100	0.7	0.0	2.73	45	24.29	16.82
10861.0	0.00	100	2.3	0.0	2.71	40	24.28	16.82
10862.0	0.00	68	4.1	0.0	2.72	32	24.25	16.82
10863.0	0.19	40	7.1	0.0	2.73	22	24.21	16.80
10864.0	0.31	36	7.4	0.0	2.74	19	24.13	16.76
10865.0	0.17	37	6.8	0.0	2.73	19	24.06	16.71
10866.0	0.18	36	6.7	0.0	2.73	19	23.99	16.67
10867.0	0.03	45	5.4	0.0	2.73	24	23.93	16.63
10868.0	0.02	50	5.2	0.0	2.72	25	23.88	16.60
10869.0	0.14	47	7.0	0.0	2.73	20	23.82	16.58
10870.0	0.12	52	7.0	0.0	2.73	19	23.75	16.54
10871.0	0.01	67	4.4	0.0	2.72	24	23.68	16.51
10872.0	0.00	54	4.0	0.0	2.72	22	23.64	16.50
10873.0	0.00	99	1.7	0.0	2.71	21	23.61	16.48
10874.0	0.00	100	0.5	0.0	2.77	18	23.59	16.48
10875.0	0.00	100	0.7	0.0	2.76	23	23.59	16.48
10876.0	0.45	29	7.4	0.0	2.74	9	23.57	16.47
10877.0	10.02	20	10.9	0.0	2.75	0	23.48	16.41
10878.0	2.11	25	9.1	0.0	2.74	5	23.38	16.32
10879.0	0.24	33	6.9	0.0	2.73	11	23.29	16.26
10880.0	0.05	38	5.6	0.0	2.73	15	23.23	16.22
10881.0	0.01	50	4.2	0.0	2.72	19	23.18	16.19
10882.0	0.00	58	3.8	0.0	2.72	16	23.14	16.17
10883.0	0.00	100	2.3	0.0	2.71	22	23.10	16.17
10884.0	0.08	51	6.6	0.0	2.72	6	23.07	16.17
10885.0	3.47	18	8.8	0.0	2.72	0	23.00	16.11
10886.0	1.98	21	8.5	0.0	2.73	0	22.91	16.04
10887.0	0.22	33	6.8	0.0	2.73	3	22.83	15.98
10888.0	0.04	43	5.5	0.0	2.72	7	22.77	15.94
10889.0	0.06	38	5.7	0.0	2.73	9	22.71	15.91
10890.0	0.20	32	6.6	0.0	2.73	7	22.65	15.87
10891.0	0.81	26	7.8	0.0	2.74	2	22.58	15.82
10892.0	2.18	22	8.7	0.0	2.73	0	22.50	15.76
10893.0	1.45	26	8.6	0.0	2.73	0	22.41	15.69
10894.0	0.90	31	8.4	0.0	2.73	0	22.33	15.63
10895.0	0.84	30	8.3	0.0	2.73	0	22.25	15.58
10896.0	1.61	24	8.6	0.0	2.72	0	22.16	15.52
10897.0	1.35	21	7.9	0.0	2.74	0	22.08	15.45

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
10898.0	0.82	26	7.9	0.0	2.74	1	22.00	15.40
10899.0	0.85	29	8.2	0.0	2.74	1	21.92	15.34
10900.0	0.14	35	6.4	0.0	2.73	8	21.85	15.28
10901.0	0.67	28	7.7	0.0	2.74	2	21.78	15.24
10902.0	0.15	38	6.7	0.0	2.73	4	21.70	15.19
10903.0	0.02	49	5.0	0.0	2.72	9	21.64	15.15
10904.0	1.38	22	8.1	0.0	2.74	0	21.59	15.12
10905.0	1.55	19	7.9	0.0	2.74	0	21.51	15.06
10906.0	3.54	18	8.9	0.0	2.73	0	21.42	14.99
10907.0	5.20	17	9.3	0.0	2.73	0	21.33	14.92
10908.0	1.44	23	8.3	0.0	2.74	0	21.24	14.84
10909.0	2.72	20	8.8	0.0	2.73	0	21.16	14.78
10910.0	2.78	19	8.7	0.0	2.73	0	21.07	14.71
10911.0	3.40	19	8.9	0.0	2.74	0	20.98	14.64
10912.0	3.11	18	8.7	0.0	2.74	0	20.89	14.57
10913.0	0.27	41	7.6	0.0	2.73	2	20.81	14.50
10914.0	0.00	100	1.1	0.0	2.71	21	20.75	14.47
10915.0	0.00	66	1.1	0.0	2.73	20	20.74	14.47
10916.0	0.07	28	5.3	0.0	2.73	9	20.72	14.47
10917.0	3.64	18	8.8	0.0	2.73	0	20.65	14.41
10918.0	1.62	22	8.2	0.0	2.73	0	20.56	14.34
10919.0	0.30	26	6.6	0.0	2.73	4	20.48	14.28
10920.0	0.02	40	5.0	0.0	2.72	13	20.42	14.23
10921.0	0.00	99	2.9	0.0	2.71	29	20.38	14.21
10922.0	0.00	72	3.7	0.0	2.71	27	20.34	14.21
10923.0	0.01	45	4.7	0.0	2.72	16	20.30	14.19
10924.0	0.01	50	4.2	0.0	2.72	18	20.25	14.17
10925.0	0.03	36	5.0	0.0	2.73	14	20.21	14.15
10926.0	0.00	48	4.0	0.0	2.72	19	20.16	14.11
10927.0	0.00	100	0.7	0.0	2.73	36	20.13	14.10
10928.0	0.00	100	0.9	0.0	2.71	35	20.13	14.10
10929.0	0.01	42	4.1	0.0	2.72	16	20.11	14.10
10930.0	0.19	27	6.2	0.0	2.73	6	20.06	14.07
10931.0	0.06	33	5.5	0.0	2.73	11	20.00	14.02
10932.0	0.02	35	4.8	0.0	2.73	12	19.95	13.99
10933.0	0.08	29	5.6	0.0	2.73	8	19.90	13.96
10934.0	1.90	19	8.2	0.0	2.74	0	19.84	13.91
10935.0	0.58	24	7.2	0.0	2.74	4	19.76	13.85
10936.0	0.07	34	5.7	0.0	2.73	12	19.69	13.80
10937.0	1.29	21	7.9	0.0	2.74	3	19.63	13.76
10938.0	2.24	20	8.5	0.0	2.74	0	19.55	13.69
10939.0	0.00	50	4.1	0.0	2.72	18	19.47	13.64
10940.0	0.01	39	4.2	0.0	2.72	13	19.43	13.62
10941.0	0.02	31	4.6	1.0	2.73	9	19.39	13.59
10942.0	0.00	100	1.0	0.0	2.72	24	19.35	13.56
10943.0	0.00	100	0.1	0.0	2.81	19	19.34	13.56
10944.0	0.00	100	0.0	0.0	2.85	18	19.34	13.56
10945.0	0.00	100	0.7	0.0	2.75	26	19.34	13.56

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
10946.0	0.00	70	3.5	0.0	2.72	24	19.33	13.56
10947.0	0.00	100	1.8	0.0	2.71	35	19.30	13.56
10948.0	0.00	100	1.1	0.0	2.71	42	19.29	13.56
10949.0	0.00	100	0.8	0.0	2.72	40	19.29	13.56
10950.0	0.00	100	1.2	0.0	2.71	40	19.27	13.56
10951.0	0.00	100	0.8	0.0	2.71	45	19.26	13.56
10952.0	0.00	100	1.2	0.0	2.71	35	19.25	13.56
10953.0	0.00	40	3.8	0.0	2.72	18	19.23	13.56
10954.0	0.00	38	3.7	0.0	2.72	23	19.19	13.53
10955.0	0.00	100	0.8	0.0	2.72	39	19.16	13.52
10956.0	0.00	100	0.7	0.0	2.73	43	19.16	13.52
10957.0	0.00	100	0.8	0.0	2.71	49	19.15	13.52
10958.0	0.00	100	1.1	0.0	2.71	43	19.14	13.52
10959.0	0.00	100	0.6	0.0	2.74	44	19.13	13.52
10960.0	0.30	100	0.6	0.0	2.74	45	19.12	13.52
10961.0	0.00	100	0.4	0.0	2.76	45	19.12	13.52
10962.0	0.00	100	0.3	0.0	2.78	49	19.11	13.52
10964.0	0.00	100	0.0	0.0	2.84	46	19.11	13.52
10965.0	0.00	100	0.0	0.0	2.89	35	19.11	13.52
10966.0	0.00	100	0.0	0.0	2.98	34	19.11	13.52
10967.0	0.00	100	0.0	0.0	2.90	42	19.11	13.52
10968.0	0.00	100	0.5	0.0	2.75	46	19.11	13.52
10969.0	0.00	99	0.4	0.0	2.75	49	19.10	13.52
10972.0	0.00	100	0.5	0.0	2.75	43	19.10	13.52
10973.0	0.00	100	1.4	0.0	2.71	38	19.09	13.52
10974.0	0.00	78	2.1	0.0	2.71	37	19.07	13.51
10975.0	0.00	100	0.6	0.0	2.74	43	19.06	13.51
10976.0	0.00	100	0.5	0.0	2.75	42	19.05	13.51
10977.0	0.00	78	2.8	0.0	2.71	29	19.05	13.51
10978.0	0.23	27	6.4	0.0	2.74	14	19.01	13.49
10979.0	2.23	20	8.5	0.0	2.75	5	18.94	13.44
10980.0	3.54	19	9.0	0.0	2.75	2	18.85	13.37
10981.0	4.07	18	9.1	0.0	2.75	1	18.76	13.30
10982.0	2.30	20	8.5	0.0	2.75	2	18.67	13.22
10983.0	0.09	45	6.5	0.0	2.73	8	18.59	13.16
10984.0	0.00	100	3.6	0.0	2.71	17	18.53	13.14
10985.0	0.00	100	3.8	0.0	2.71	16	18.50	13.14
10986.0	0.15	30	6.2	0.0	2.73	10	18.46	13.13
10987.0	0.43	24	6.8	0.0	2.74	9	18.39	13.09
10988.0	1.09	21	7.6	0.0	2.74	7	18.32	13.04
10989.0	2.11	19	8.3	0.0	2.75	4	18.24	12.97
10990.0	0.67	22	7.2	0.0	2.74	7	18.16	12.91
10991.0	0.41	24	6.8	0.0	2.74	7	18.09	12.85
10992.0	0.02	40	4.7	0.0	2.72	14	18.02	12.80
10993.0	0.02	38	4.9	0.0	2.72	11	17.98	12.78
10994.0	0.02	34	4.7	0.0	2.73	11	17.93	12.75

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SFC. % %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
10995.0	0.04	32	5.0	0.0	2.73	10	17.89	12.72
10996.0	0.09	29	5.6	0.0	2.73	10	17.83	12.68
10997.0	0.05	69	6.0	0.0	2.72	9	17.77	12.64
10998.0	0.01	93	4.7	0.0	2.71	14	17.72	12.63
10999.0	0.59	26	7.4	0.0	2.74	5	17.66	12.61
11000.0	0.48	23	6.8	0.0	2.74	6	17.58	12.54
11001.0	0.00	100	2.6	0.0	2.71	19	17.53	12.50
11002.0	0.00	73	4.1	0.0	2.71	12	17.50	12.50
11003.0	0.04	32	5.0	0.0	2.73	10	17.46	12.49
11004.0	0.05	52	6.1	0.0	2.72	11	17.41	12.46
11005.0	1.96	28	9.3	0.0	2.74	4	17.34	12.42
11006.0	0.17	31	6.3	0.0	2.73	14	17.25	12.35
11007.0	0.00	71	3.2	0.0	2.71	23	17.19	12.32
11008.0	0.00	100	0.9	0.0	2.72	30	17.17	12.32
11009.0	0.00	100	0.5	0.0	2.76	31	17.16	12.32
11010.0	0.00	100	0.7	0.0	2.74	30	17.16	12.32
11011.0	0.00	99	1.9	0.0	2.71	27	17.15	12.32
11012.0	0.00	51	3.7	0.0	2.72	24	17.12	12.31
11013.0	0.00	100	1.5	0.0	2.71	34	17.09	12.29
11014.0	0.00	100	0.5	0.0	2.76	35	17.08	12.29
11015.0	0.00	100	0.0	0.0	2.83	35	17.07	12.29
11016.0	0.00	100	0.0	0.0	2.83	35	17.07	12.29
11017.0	0.00	100	0.0	0.0	2.83	42	17.07	12.29
11030.0	0.00	100	0.6	0.0	2.73	44	17.07	12.29
11031.0	0.00	100	0.1	0.0	2.81	39	17.07	12.29
11032.0	0.00	100	0.0	0.0	2.86	44	17.07	12.29
11033.0	0.00	100	0.3	0.0	2.78	47	17.07	12.29
11034.0	0.00	100	0.5	0.0	2.76	39	17.06	12.29
11035.0	0.00	100	0.4	0.0	2.77	39	17.06	12.29
11036.0	0.00	100	0.7	0.0	2.73	42	17.05	12.29
11037.0	0.00	100	0.7	0.0	2.73	42	17.05	12.29
11038.0	0.00	100	0.3	0.0	2.79	43	17.04	12.29
11039.0	0.00	100	0.0	0.0	2.94	48	17.04	12.29
11191.0	0.00	100	0.0	0.0	2.94	47	17.04	12.29
11192.0	0.00	100	0.0	0.0	2.98	46	17.04	12.29
11341.0	0.00	100	0.0	0.0	3.00	49	17.04	12.29
11342.0	0.00	100	0.0	0.0	3.00	45	17.04	12.29
11343.0	0.00	100	0.6	0.0	2.74	40	17.04	12.29
11344.0	0.13	34	6.3	0.0	2.73	16	17.01	12.28
11345.0	0.00	100	0.4	0.0	2.77	37	16.97	12.26
11346.0	0.00	100	0.3	0.0	2.78	40	16.97	12.26
11347.0	0.00	100	0.9	0.0	2.72	38	16.97	12.26
11348.0	0.00	100	0.9	0.0	2.71	37	16.95	12.26
11349.0	0.00	100	1.2	0.0	2.71	36	16.94	12.26
11350.0	0.13	40	6.6	0.0	2.73	17	16.92	12.26

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11351.0	6.78	25	11.0	0.0	2.75	0	16.84	12.21
11352.0	6.13	28	11.2	0.0	2.75	0	16.73	12.12
11353.0	0.96	40	9.2	0.0	2.74	8	16.62	12.05
11354.0	0.32	34	7.3	0.0	2.73	16	16.53	12.00
11355.0	0.15	26	5.9	0.0	2.74	25	16.46	11.95
11356.0	0.07	37	5.9	0.0	2.73	29	16.41	11.91
11357.0	0.01	52	4.5	0.0	2.72	34	16.35	11.87
11358.0	0.00	100	0.7	0.0	2.73	45	16.32	11.86
11359.0	0.00	100	1.2	0.0	2.71	39	16.31	11.86
11360.0	0.07	32	5.6	0.0	2.73	21	16.29	11.85
11361.0	3.81	20	9.2	0.0	2.75	3	16.22	11.81
11362.0	4.23	17	9.0	0.0	2.75	2	16.13	11.73
11363.0	1.41	20	7.9	0.0	2.74	9	16.04	11.66
11364.0	0.71	30	8.0	0.0	2.74	10	15.96	11.60
11365.0	0.12	35	6.3	0.0	2.73	14	15.88	11.54
11366.0	0.02	33	4.6	0.0	2.73	18	15.83	11.51
11367.0	0.24	31	6.7	0.0	2.73	12	15.79	11.48
11368.0	4.46	21	9.7	0.0	2.75	2	15.70	11.42
11369.0	7.82	17	9.9	0.0	2.75	2	15.60	11.34
11370.0	4.32	21	9.6	0.0	2.75	2	15.50	11.26
11371.0	0.35	31	7.2	0.0	2.74	12	15.41	11.19
11372.0	0.26	33	7.0	0.0	2.73	13	15.34	11.14
11373.0	0.12	36	6.3	0.0	2.73	16	15.27	11.10
11374.0	0.00	100	3.5	0.0	2.71	27	15.21	11.06
11375.0	0.00	100	2.8	0.0	2.71	30	15.18	11.06
11376.0	0.09	39	6.2	0.0	2.73	19	15.14	11.06
11377.0	1.67	24	8.5	0.0	2.75	13	15.07	11.01
11378.0	0.85	25	7.8	0.0	2.74	14	14.99	10.95
11379.0	0.55	24	7.1	0.0	2.74	16	14.91	10.89
11380.0	0.03	53	5.6	0.0	2.72	23	14.84	10.84
11381.0	0.09	43	6.3	0.0	2.73	19	14.78	10.81
11382.0	0.17	25	5.9	0.0	2.74	24	14.72	10.77
11383.0	0.70	30	8.0	0.0	2.74	19	14.66	10.72
11384.0	0.28	38	7.4	0.0	2.73	20	14.58	10.67
11385.0	0.24	33	6.9	0.0	2.74	20	14.50	10.63
11386.0	0.00	77	3.5	0.0	2.71	30	14.44	10.59
11387.0	0.00	100	0.9	0.0	2.71	38	14.41	10.58
11388.0	0.00	84	0.5	0.0	2.76	39	14.40	10.58
11389.0	0.00	100	0.0	0.0	2.82	42	14.40	10.58
11390.0	0.00	100	0.0	0.0	2.86	42	14.40	10.58
11391.0	0.00	100	0.2	0.0	2.81	31	14.40	10.58
11392.0	0.00	74	0.5	0.0	2.78	18	14.40	10.58
11393.0	0.00	98	0.4	0.0	2.78	21	14.39	10.58
11394.0	0.00	100	0.0	0.0	2.85	36	14.39	10.58
11395.0	0.00	100	0.0	0.0	2.85	48	14.39	10.58
11396.0	0.00	100	0.5	0.0	2.76	45	14.39	10.58
11397.0	0.00	100	0.4	0.0	2.78	39	14.38	10.58
11398.0	0.00	100	0.3	0.0	2.78	37	14.38	10.58

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
11399.0	0.00	100	0.8	0.0	2.72	36	14.37	10.58
11400.0	0.00	70	3.5	0.0	2.72	28	14.36	10.58
11401.0	0.00	61	3.8	0.0	2.72	26	14.32	10.57
11402.0	0.00	66	3.4	0.0	2.72	28	14.28	10.55
11403.0	0.00	95	1.8	0.0	2.71	31	14.25	10.54
11404.0	0.00	100	1.0	0.0	2.71	32	14.24	10.54
11405.0	0.00	60	3.6	0.0	2.72	21	14.22	10.54
11406.0	0.02	33	4.7	0.0	2.73	17	14.18	10.52
11407.0	0.00	38	3.6	0.0	2.72	24	14.14	10.49
11408.0	0.00	96	0.8	0.0	2.73	35	14.11	10.48
11409.0	0.00	100	0.6	0.0	2.75	36	14.11	10.48
11410.0	0.00	99	0.9	0.0	2.72	33	14.10	10.48
11411.0	0.00	97	1.1	0.0	2.71	29	14.09	10.48
11412.0	0.00	70	1.8	0.0	2.71	25	14.08	10.48
11413.0	0.09	27	5.5	0.0	2.73	14	14.05	10.46
11414.0	2.21	20	8.5	0.0	2.75	5	13.99	10.41
11415.0	0.08	41	6.2	0.0	2.73	16	13.91	10.35
11416.0	0.00	100	2.1	0.0	2.71	33	13.86	10.33
11417.0	0.00	100	1.9	0.0	2.71	28	13.84	10.33
11418.0	0.00	46	3.5	0.0	2.72	20	13.82	10.32
11419.0	0.00	85	1.4	0.0	2.71	28	13.79	10.31
11420.0	0.00	100	0.6	0.0	2.76	29	13.77	10.31
11421.0	0.00	100	0.3	0.0	2.79	30	13.77	10.31
11422.0	0.00	99	1.5	0.0	2.71	28	13.76	10.31
11423.0	0.00	100	0.8	0.0	2.73	34	13.74	10.30
11424.0	0.00	100	0.6	0.0	2.76	35	13.74	10.30
11425.0	0.00	100	0.6	0.0	2.75	34	13.73	10.30
11426.0	0.00	100	0.6	0.0	2.75	37	13.72	10.30
11427.0	0.00	100	0.3	0.0	2.78	39	13.72	10.30
11428.0	0.00	100	0.3	0.0	2.78	39	13.72	10.30
11429.0	0.00	100	0.2	0.0	2.79	42	13.71	10.30
11430.0	0.00	100	0.0	0.0	2.84	44	13.71	10.30
11431.0	0.00	100	0.0	0.0	2.82	42	13.71	10.30
11432.0	0.00	100	0.1	0.0	2.81	39	13.71	10.30
11433.0	0.00	100	0.7	0.0	2.74	31	13.71	10.30
11434.0	0.00	55	2.9	0.0	2.72	22	13.70	10.30
11435.0	0.00	64	2.3	0.0	2.71	29	13.67	10.29
11436.0	0.00	100	0.8	0.0	2.73	35	13.65	10.28
11437.0	0.00	100	0.6	0.0	2.75	34	13.64	10.28
11438.0	0.00	100	0.4	0.0	2.78	36	13.64	10.28
11439.0	0.00	100	0.0	0.0	2.83	43	13.64	10.28
11442.0	0.00	100	0.0	0.0	2.86	47	13.64	10.28
11443.0	0.00	100	0.3	0.0	2.78	39	13.64	10.28
11444.0	0.00	100	0.9	0.0	2.73	32	13.63	10.28
11445.0	0.00	100	0.8	0.0	2.74	31	13.62	10.28
11446.0	0.00	100	0.7	0.0	2.75	32	13.62	10.28
11447.0	0.00	100	0.7	0.0	2.74	34	13.61	10.28

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	DENSITY TOTAL	DENSITY SEC.	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11448.0	0.00	100	0.6	0.0	2.74	39	13.60	10.28
11449.0	0.00	100	0.6	0.0	2.74	40	13.60	10.28
11450.0	0.00	100	0.5	0.0	2.76	40	13.59	10.28
11451.0	0.00	100	0.3	0.0	2.78	40	13.59	10.28
11452.0	0.00	100	0.5	0.0	2.76	42	13.58	10.28
11453.0	0.00	99	0.7	0.0	2.73	41	13.58	10.28
11454.0	0.00	100	0.9	0.0	2.72	39	13.57	10.28
11455.0	0.00	100	0.7	0.0	2.74	39	13.56	10.28
11456.0	0.00	100	0.6	0.0	2.74	38	13.55	10.28
11457.0	0.00	100	0.6	0.0	2.75	37	13.55	10.28
11458.0	0.00	89	0.8	0.0	2.73	37	13.54	10.28
11459.0	0.00	67	1.8	0.0	2.71	35	13.53	10.28
11460.0	0.00	51	2.8	0.0	2.72	31	13.51	10.28
11461.0	0.00	65	2.0	0.0	2.71	32	13.48	10.26
11462.0	0.00	100	0.8	0.0	2.73	35	13.47	10.26
11463.0	0.00	100	0.6	0.0	2.75	36	13.46	10.26
11464.0	0.00	99	0.7	0.0	2.74	36	13.46	10.26
11465.0	0.00	100	0.7	0.0	2.73	36	13.45	10.26
11466.0	0.00	100	0.7	0.0	2.73	38	13.44	10.26
11467.0	0.00	100	0.6	0.0	2.74	38	13.43	10.26
11468.0	0.00	100	0.4	0.0	2.77	41	13.43	10.26
11469.0	0.00	100	0.3	0.0	2.78	44	13.43	10.26
11470.0	0.00	100	0.3	0.0	2.78	45	13.42	10.26
11471.0	0.00	100	0.1	0.0	2.80	48	13.42	10.26
11479.0	0.00	80	0.8	0.0	2.73	40	13.42	10.26
11480.0	0.00	42	2.7	0.0	2.72	29	13.41	10.25
11481.0	0.00	98	1.3	0.0	2.71	38	13.38	10.24
11482.0	0.00	100	0.5	0.0	2.75	46	13.37	10.24
11483.0	0.00	100	0.4	0.0	2.77	46	13.36	10.24
11484.0	0.00	61	0.9	0.0	2.72	42	13.36	10.24
11485.0	0.00	45	2.6	0.0	2.72	39	13.34	10.23
11486.0	0.00	100	0.5	0.0	2.75	48	13.32	10.22
11487.0	0.00	100	0.2	0.0	2.80	47	13.32	10.22
11488.0	0.00	100	0.0	0.0	2.83	47	13.32	10.22
11489.0	0.00	100	0.0	0.0	2.85	49	13.32	10.22
11491.0	0.00	100	0.0	0.0	2.94	49	13.32	10.22
11492.0	0.00	100	0.0	0.0	2.87	48	13.32	10.22
11493.0	0.00	100	0.0	0.0	2.84	45	13.32	10.22
11494.0	0.00	100	0.0	0.0	2.82	43	13.32	10.22
11495.0	0.00	100	0.0	0.0	2.83	42	13.32	10.22
11496.0	0.00	100	0.0	0.0	2.83	40	13.32	10.22
11497.0	0.00	100	0.0	0.0	2.86	39	13.32	10.22
11498.0	0.00	100	0.0	0.0	2.85	37	13.32	10.22
11499.0	0.00	100	0.0	0.0	2.82	37	13.32	10.22
11500.0	0.00	100	0.0	0.0	2.83	36	13.32	10.22
11501.0	0.00	100	0.0	0.0	2.84	37	13.32	10.22

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11502.0	0.00	100	0.0	0.0	2.83	39	13.32	10.22
11503.0	0.00	100	0.3	0.0	2.78	39	13.32	10.22
11504.0	0.00	100	0.6	0.0	2.74	39	13.32	10.22
11505.0	0.00	100	0.4	0.0	2.77	39	13.31	10.22
11506.0	0.00	100	0.4	0.0	2.77	38	13.30	10.22
11507.0	0.00	100	0.7	0.0	2.74	39	13.30	10.22
11508.0	0.00	100	0.9	0.0	2.71	38	13.29	10.22
11509.0	0.00	100	0.6	0.0	2.75	38	13.28	10.22
11510.0	0.00	100	0.5	0.0	2.76	39	13.28	10.22
11511.0	0.00	100	0.7	0.0	2.74	39	13.27	10.22
11512.0	0.00	100	0.9	0.0	2.72	36	13.27	10.22
11513.0	0.00	100	0.7	0.0	2.74	36	13.26	10.22
11514.0	0.00	100	0.4	0.0	2.77	37	13.25	10.22
11515.0	0.00	99	0.5	0.0	2.76	37	13.25	10.22
11516.0	0.00	95	0.8	0.0	2.73	36	13.24	10.22
11517.0	0.00	54	2.1	0.0	2.72	32	13.23	10.22
11518.0	0.00	100	1.0	0.0	2.71	37	13.21	10.21
11519.0	0.00	100	0.7	0.0	2.73	38	13.20	10.21
11520.0	0.00	82	0.8	0.0	2.72	39	13.20	10.21
11521.0	0.00	39	3.2	0.0	2.72	36	13.18	10.21
11522.0	0.00	48	3.2	0.0	2.72	41	13.15	10.18
11527.0	0.19	22	5.8	0.0	2.74	16	13.12	10.17
11528.0	3.55	12	7.8	0.0	2.73	0	13.05	10.11
11529.0	2.62	13	7.6	0.0	2.73	0	12.97	10.05
11530.0	1.13	14	6.8	0.0	2.74	1	12.90	9.98
11531.0	3.00	13	7.8	0.0	2.75	0	12.83	9.93
11532.0	8.75	13	9.3	0.0	2.75	0	12.75	9.86
11533.0	9.93	13	9.4	0.0	2.74	0	12.66	9.78
11534.0	10.20	11	9.1	0.0	2.72	0	12.56	9.69
11535.0	13.84	10	9.2	0.0	2.72	0	12.47	9.61
11536.0	10.48	13	9.5	0.0	2.73	0	12.38	9.53
11537.0	5.66	14	8.9	0.0	2.74	0	12.29	9.45
11538.0	6.72	12	8.7	0.0	2.75	0	12.20	9.38
11539.0	0.03	25	4.5	0.0	2.73	18	12.12	9.31
11540.0	0.00	57	2.1	0.0	2.72	31	12.08	9.28
11541.0	0.00	57	1.8	0.0	2.71	28	12.07	9.28
11542.0	0.00	46	2.4	0.0	2.72	21	12.05	9.27
11543.0	0.00	98	0.8	0.0	2.75	23	12.03	9.26
11544.0	0.00	64	1.0	0.0	2.74	17	12.02	9.26
11545.0	0.00	45	1.4	0.0	2.72	14	12.01	9.25
11546.0	0.04	22	4.5	0.0	2.73	7	11.99	9.24
11547.0	0.12	23	5.5	0.0	2.73	7	11.94	9.20
11548.0	0.50	18	6.4	0.0	2.74	4	11.89	9.16
11549.0	0.91	15	6.6	0.0	2.74	0	11.82	9.11
11550.0	1.31	15	7.1	0.0	2.72	0	11.75	9.05
11551.0	1.74	16	7.6	0.0	2.73	0	11.68	8.99
11552.0	1.68	17	7.6	0.0	2.74	0	11.60	8.92

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11553.0	0.02	32	4.4	0.0	2.73	15	11.54	8.87
11554.0	0.00	52	2.2	0.0	2.72	25	11.50	8.85
11555.0	0.00	91	0.8	0.0	2.73	32	11.48	8.84
11556.0	0.00	99	0.5	0.0	2.76	38	11.47	8.84
11557.0	0.00	99	0.6	0.0	2.75	37	11.47	8.84
11558.0	0.00	44	2.7	0.0	2.72	24	11.46	8.84
11559.0	0.14	22	5.5	0.0	2.73	12	11.42	8.81
11560.0	0.08	24	5.2	0.0	2.73	13	11.37	8.77
11561.0	0.04	27	4.9	0.0	2.73	15	11.31	8.73
11562.0	0.00	72	1.2	0.0	2.71	27	11.27	8.70
11563.0	0.00	60	1.4	0.0	2.71	22	11.26	8.70
11564.0	0.00	52	1.5	0.0	2.71	20	11.24	8.69
11565.0	0.00	63	1.1	0.0	2.72	23	11.23	8.68
11566.0	0.00	58	1.2	0.0	2.71	27	11.22	8.68
11567.0	0.00	61	1.3	0.0	2.71	29	11.21	8.67
11568.0	0.00	57	1.6	0.0	2.71	27	11.19	8.67
11569.0	0.00	69	1.0	0.0	2.73	26	11.18	8.66
11570.0	0.00	80	1.0	0.0	2.72	29	11.17	8.66
11571.0	0.00	96	1.0	0.0	2.72	29	11.16	8.66
11572.0	0.00	58	1.9	0.0	2.71	23	11.15	8.66
11573.0	0.00	46	2.3	0.0	2.72	20	11.12	8.64
11574.0	0.00	46	2.1	0.0	2.72	19	11.10	8.63
11575.0	0.00	30	3.3	0.0	2.72	12	11.08	8.62
11576.0	0.41	19	6.3	0.0	2.74	4	11.04	8.59
11577.0	0.46	19	6.4	0.0	2.74	4	10.97	8.54
11578.0	0.03	25	4.5	0.0	2.73	9	10.91	8.49
11579.0	0.44	18	6.2	0.0	2.74	2	10.87	8.46
11580.0	1.23	15	7.0	0.0	2.74	0	10.80	8.40
11581.0	0.93	15	6.7	0.0	2.74	0	10.73	8.34
11582.0	0.07	19	4.7	0.0	2.73	4	10.67	8.29
11583.0	0.00	56	1.2	0.0	2.73	14	10.64	8.26
11584.0	0.00	54	1.2	0.0	2.73	16	10.63	8.26
11585.0	0.00	56	1.2	0.0	2.72	16	10.61	8.25
11586.0	0.03	22	4.3	0.0	2.73	7	10.60	8.25
11587.0	0.86	15	6.6	0.0	2.73	0	10.54	8.20
11588.0	0.63	16	6.5	0.0	2.74	0	10.48	8.15
11589.0	0.03	24	4.4	0.0	2.73	7	10.42	8.10
11590.0	0.22	19	5.6	0.0	2.73	3	10.37	8.06
11591.0	0.43	17	6.1	0.0	2.73	0	10.31	8.01
11592.0	0.38	17	6.0	0.0	2.73	0	10.25	7.96
11593.0	1.40	15	7.1	0.0	2.73	0	10.19	7.91
11594.0	0.40	20	6.4	0.0	2.74	0	10.12	7.85
11595.0	0.00	42	2.5	0.0	2.72	9	10.07	7.81
11596.0	0.01	23	3.8	0.0	2.73	6	10.04	7.80
11597.0	0.87	15	6.7	0.0	2.73	0	10.00	7.77
11598.0	2.40	13	7.5	0.0	2.72	0	9.93	7.71
11599.0	2.78	14	7.8	0.0	2.74	0	9.85	7.64
11600.0	0.12	22	5.4	0.0	2.73	9	9.78	7.58

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11601.0	0.08	23	5.1	0.0	2.73	11	9.73	7.54
11602.0	0.10	22	5.2	0.0	2.73	11	9.68	7.50
11603.0	0.07	22	4.9	0.0	2.73	12	9.62	7.46
11604.0	0.03	24	4.4	0.0	2.73	17	9.58	7.42
11605.0	0.03	28	4.5	0.0	2.73	22	9.53	7.39
11606.0	0.02	27	4.3	0.0	2.73	22	9.49	7.35
11607.0	3.96	11	7.8	0.0	2.75	2	9.44	7.32
11608.0	11.63	10	8.8	0.0	2.73	0	9.35	7.24
11609.0	10.80	9	8.7	0.0	2.72	0	9.27	7.16
11610.0	11.65	9	8.6	0.0	2.72	0	9.18	7.09
11611.0	11.76	9	8.6	0.0	2.72	0	9.09	7.01
11612.0	9.09	9	8.3	0.0	2.73	0	9.01	6.93
11613.0	21.36	9	9.6	0.0	2.73	0	8.92	6.85
11614.0	25.50	9	9.8	0.0	2.73	0	8.83	6.77
11615.0	13.59	9	9.0	0.0	2.73	0	8.73	6.68
11616.0	7.23	10	8.3	0.0	2.72	0	8.64	6.60
11617.0	0.47	14	5.8	0.0	2.71	0	8.56	6.53
11618.0	0.03	18	4.0	0.0	2.70	0	8.51	6.49
11619.0	0.00	18	2.8	0.0	2.70	0	8.47	6.46
11620.0	0.00	23	1.8	0.0	2.71	0	8.45	6.43
11621.0	0.00	40	1.5	0.0	2.72	2	8.43	6.42
11622.0	0.03	19	4.0	0.0	2.73	0	8.42	6.41
11623.0	0.58	13	5.9	0.0	2.72	0	8.37	6.38
11624.0	1.79	11	6.8	0.0	2.70	0	8.31	6.32
11625.0	0.89	12	6.2	0.0	2.71	0	8.24	6.26
11626.0	0.89	13	6.3	0.0	2.72	0	8.18	6.21
11627.0	1.35	12	6.7	0.0	2.72	0	8.12	6.15
11628.0	1.56	12	6.8	0.0	2.71	0	8.05	6.10
11629.0	1.13	13	6.5	0.0	2.73	0	7.98	6.04
11630.0	0.38	16	5.8	0.0	2.74	2	7.92	5.98
11631.0	3.53	13	8.0	0.0	2.74	0	7.85	5.93
11632.0	7.29	12	8.8	0.0	2.75	0	7.77	5.85
11633.0	1.77	14	7.2	0.0	2.75	4	7.68	5.78
11634.0	0.00	43	2.6	0.0	2.72	19	7.62	5.72
11636.0	0.00	36	1.5	0.0	2.81	16	7.59	5.71
11637.0	0.00	100	0.0	0.0	2.85	11	7.58	5.70
11638.0	0.00	100	0.1	0.0	2.81	8	7.58	5.70
11639.0	0.00	48	0.9	0.3	2.79	6	7.58	5.70
11640.0	0.00	25	1.7	0.0	2.79	5	7.57	5.70
11641.0	0.01	15	2.9	0.0	2.79	5	7.55	5.68
11642.0	0.01	12	3.1	0.0	2.80	7	7.52	5.66
11643.0	0.00	13	2.6	0.0	2.81	6	7.49	5.63
11644.0	0.01	12	2.8	0.0	2.79	7	7.46	5.61
11645.0	0.01	11	2.8	0.0	2.78	10	7.43	5.58
11646.0	0.04	10	3.4	0.0	2.78	8	7.40	5.56
11647.0	0.12	9	4.1	0.0	2.76	3	7.37	5.52
11648.0	0.71	8	5.2	0.0	2.76	0	7.32	5.48

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
11649.0	0.29	9	4.7	0.0	2.77	0	7.27	5.44
11650.0	0.02	10	3.1	0.0	2.77	0	7.23	5.40
11651.0	0.24	8	4.4	0.6	2.78	0	7.20	5.37
11652.0	2.92	7	6.2	0.0	2.76	0	7.15	5.33
11653.0	2.00	7	5.8	0.0	2.77	0	7.09	5.27
11654.0	1.29	7	5.5	0.0	2.78	0	7.03	5.22
11655.0	2.71	7	6.2	0.0	2.79	0	6.97	5.16
11656.0	4.50	7	6.7	0.0	2.79	0	6.91	5.10
11657.0	7.05	6	7.1	0.0	2.77	0	6.84	5.04
11658.0	5.78	6	6.7	0.0	2.77	0	6.77	4.97
11659.0	4.40	6	6.5	0.0	2.77	0	6.70	4.91
11660.0	3.30	6	6.2	0.0	2.78	0	6.64	4.85
11661.0	0.66	7	4.9	0.0	2.78	0	6.58	4.80
11662.0	0.36	7	4.5	0.0	2.80	0	6.53	4.75
11663.0	0.10	8	3.9	0.0	2.82	0	6.49	4.71
11664.0	0.18	7	4.1	0.0	2.80	0	6.45	4.68
11665.0	0.26	7	4.2	0.0	2.79	0	6.41	4.64
11666.0	0.05	9	3.4	0.0	2.79	0	6.37	4.60
11667.0	0.00	16	2.0	0.0	2.80	2	6.34	4.57
11668.0	0.00	17	1.9	0.0	2.80	0	6.32	4.56
11669.0	0.00	13	1.8	0.0	2.79	0	6.30	4.54
11670.0	0.00	12	1.7	0.0	2.79	0	6.28	4.53
11671.0	0.00	9	2.3	0.0	2.79	0	6.26	4.51
11672.0	0.01	8	2.6	0.0	2.79	0	6.24	4.49
11673.0	0.02	8	2.9	0.0	2.77	0	6.21	4.46
11674.0	0.03	7	3.0	0.0	2.75	0	6.18	4.44
11675.0	0.03	7	2.9	0.0	2.73	0	6.15	4.41
11676.0	0.08	6	3.4	0.0	2.73	0	6.12	4.38
11677.0	0.04	7	3.1	0.0	2.74	0	6.09	4.35
11678.0	0.06	7	3.3	0.0	2.74	0	6.06	4.32
11679.0	0.04	8	3.2	0.0	2.74	0	6.02	4.29
11680.0	0.00	12	2.3	0.0	2.76	0	5.99	4.26
11681.0	0.00	14	1.8	0.0	2.77	1	5.97	4.24
11682.0	0.00	10	2.1	0.0	2.77	0	5.95	4.23
11683.0	0.03	8	3.1	0.0	2.77	0	5.93	4.21
11684.0	0.47	7	4.7	0.0	2.75	0	5.90	4.18
11685.0	0.45	7	4.7	0.0	2.74	0	5.85	4.13
11686.0	0.13	8	3.9	0.0	2.75	5	5.80	4.09
11687.0	0.00	11	2.4	0.0	2.77	0	5.77	4.06
11688.0	0.00	16	1.5	0.0	2.77	0	5.75	4.04
11689.0	0.00	33	0.9	0.0	2.77	3	5.73	4.03
11690.0	0.00	62	0.6	0.0	2.78	0	5.72	4.02
11691.0	0.00	100	0.0	0.0	2.82	0	5.72	4.02
11692.0	0.00	100	0.0	0.0	2.85	0	5.72	4.02
11693.0	0.00	100	0.3	0.0	2.81	0	5.72	4.02
11694.0	0.00	100	0.4	0.0	2.81	0	5.72	4.02
11695.0	0.00	100	0.4	0.0	2.82	0	5.71	4.02
11696.0	0.00	15	1.3	0.0	2.79	0	5.71	4.02

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
11697.0	0.00	19	1.6	0.0	2.79	0	5.69	4.01
11698.0	0.00	13	2.2	0.0	2.79	0	5.67	3.99
11699.0	0.00	13	2.1	0.0	2.78	1	5.65	3.97
11700.0	0.00	17	1.4	0.0	2.78	1	5.63	3.96
11701.0	0.00	20	1.3	0.0	2.77	0	5.62	3.94
11702.0	0.00	17	1.3	0.0	2.77	0	5.61	3.93
11703.0	0.00	17	1.4	0.0	2.79	0	5.59	3.92
11704.0	0.00	18	1.3	0.0	2.80	0	5.58	3.91
11705.0	0.00	28	1.0	0.0	2.82	0	5.57	3.90
11706.0	0.00	31	1.0	0.0	2.81	0	5.56	3.90
11707.0	0.00	55	0.7	0.0	2.81	0	5.55	3.89
11708.0	0.00	61	0.6	0.0	2.83	0	5.54	3.89
11709.0	0.00	40	0.9	0.0	2.83	0	5.53	3.88
11710.0	0.00	25	1.1	0.0	2.82	0	5.53	3.88
11711.0	0.00	20	1.2	0.0	2.82	0	5.51	3.87
11712.0	0.00	17	1.4	0.0	2.82	0	5.50	3.86
11713.0	0.00	14	1.4	0.0	2.81	0	5.49	3.85
11714.0	0.00	10	1.7	0.0	2.80	1	5.47	3.84
11715.0	0.04	7	3.2	0.0	2.77	2	5.46	3.82
11716.0	0.31	7	4.4	0.0	2.76	0	5.42	3.78
11717.0	0.61	7	4.9	0.0	2.77	2	5.37	3.74
11718.0	0.45	7	4.6	0.0	2.76	3	5.32	3.70
11719.0	0.07	8	3.5	0.0	2.79	3	5.28	3.66
11720.0	0.03	9	3.2	0.0	2.78	0	5.25	3.63
11721.0	0.03	8	3.0	0.0	2.76	0	5.21	3.60
11722.0	0.00	10	1.4	0.0	2.77	1	5.19	3.57
11723.0	0.00	56	0.7	0.0	2.78	2	5.18	3.56
11724.0	0.00	52	0.7	0.0	2.78	3	5.17	3.56
11725.0	0.00	66	0.6	0.0	2.79	3	5.16	3.56
11726.0	0.00	24	1.1	0.0	2.79	1	5.16	3.56
11727.0	0.00	17	1.6	0.0	2.74	6	5.14	3.55
11728.0	0.00	15	1.5	0.0	2.74	5	5.13	3.53
11729.0	0.00	38	0.8	0.0	2.77	0	5.12	3.52
11730.0	0.00	58	0.6	0.0	2.79	0	5.11	3.52
11731.0	0.00	40	0.8	0.0	2.79	5	5.10	3.52
11732.0	0.00	13	1.8	0.0	2.79	3	5.09	3.51
11733.0	0.00	13	1.9	0.0	2.78	2	5.07	3.49
11734.0	0.00	16	1.0	0.0	2.80	0	5.06	3.48
11735.0	0.00	100	0.4	0.0	2.81	0	5.05	3.47
11736.0	0.00	64	0.6	0.0	2.82	0	5.04	3.47
11737.0	0.00	40	0.8	0.0	2.82	0	5.04	3.47
11738.0	0.00	19	1.0	0.0	2.80	0	5.03	3.46
11739.0	0.00	37	0.8	0.0	2.77	4	5.02	3.46
11740.0	0.00	100	0.3	0.0	2.78	0	5.01	3.45
11741.0	0.00	100	0.0	0.0	2.79	0	5.01	3.45
11742.0	0.00	100	0.2	0.0	2.78	0	5.01	3.45
11743.0	0.00	100	0.1	0.0	2.78	0	5.01	3.45
11744.0	0.00	100	0.0	0.0	2.79	0	5.01	3.45

DEPTH FEET	PERN.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
11745.0	0.00	100	0.0	0.0	2.81	0	5.01	3.45
11746.0	0.00	100	0.0	0.0	2.80	0	5.01	3.45
11747.0	0.00	100	0.2	0.0	2.78	0	5.01	3.45
11748.0	0.00	52	0.7	0.0	2.77	0	5.00	3.45
11749.0	0.00	15	1.0	0.0	2.77	2	5.00	3.45
11750.0	0.00	10	1.5	0.0	2.77	3	4.99	3.44
11751.0	0.00	9	1.7	0.0	2.76	3	4.97	3.42
11752.0	0.00	10	1.4	0.0	2.79	6	4.95	3.41
11753.0	0.00	14	1.4	0.0	2.80	4	4.94	3.40
11754.0	0.00	14	1.7	0.0	2.81	3	4.93	3.38
11755.0	0.00	10	1.9	0.0	2.80	1	4.91	3.37
11756.0	0.00	8	1.9	0.0	2.79	0	4.89	3.35
11757.0	0.00	13	1.4	0.0	2.80	0	4.87	3.34
11758.0	0.00	11	1.5	0.0	2.79	1	4.86	3.32
11759.0	0.00	8	1.9	0.0	2.78	0	4.84	3.31
11760.0	0.00	8	1.9	0.0	2.78	0	4.82	3.29
11761.0	0.00	43	0.7	0.0	2.80	0	4.81	3.28
11762.0	0.00	100	0.1	0.0	2.79	0	4.80	3.28
11763.0	0.00	100	0.2	0.0	2.79	0	4.80	3.28
11764.0	0.00	100	0.4	0.0	2.79	0	4.80	3.28
11765.0	0.00	100	0.5	0.0	2.80	0	4.79	3.28
11766.0	0.00	42	0.8	0.0	2.78	0	4.79	3.27
11767.0	0.00	16	1.1	0.0	2.74	0	4.78	3.27
11768.0	0.00	18	1.1	0.0	2.73	0	4.77	3.26
11769.0	0.00	24	1.4	0.0	2.75	0	4.76	3.25
11770.0	0.00	19	1.6	0.0	2.76	0	4.74	3.24
11771.0	0.00	27	1.0	0.0	2.77	0	4.73	3.23
11772.0	0.00	100	0.4	0.0	2.78	0	4.72	3.22
11773.0	0.00	100	0.0	0.0	2.81	0	4.71	3.22
11774.0	0.00	100	0.0	0.0	2.84	0	4.71	3.22
11775.0	0.00	100	0.0	0.0	2.82	0	4.71	3.22
11776.0	0.00	66	0.6	0.0	2.80	0	4.71	3.22
11777.0	0.00	21	1.3	0.0	2.78	1	4.70	3.22
11778.0	0.00	23	1.1	0.0	2.77	3	4.69	3.21
11779.0	0.00	100	0.5	0.0	2.77	0	4.68	3.20
11780.0	0.00	100	0.0	0.0	2.79	0	4.68	3.20
11781.0	0.00	100	0.0	0.0	2.80	0	4.68	3.20
11782.0	0.00	100	0.3	0.0	2.80	0	4.68	3.20
11783.0	0.00	100	0.3	0.0	2.80	0	4.67	3.20
11784.0	0.00	100	0.4	0.0	2.79	0	4.67	3.20
11785.0	0.00	100	0.4	0.0	2.80	0	4.67	3.20
11786.0	0.00	49	0.8	0.0	2.80	0	4.66	3.20
11787.0	0.00	44	0.8	0.0	2.78	4	4.65	3.19
11788.0	0.00	54	0.7	0.0	2.76	0	4.65	3.19
11789.0	0.00	100	0.0	0.0	2.77	0	4.64	3.19
11790.0	0.00	100	0.0	0.0	2.79	0	4.64	3.19
11791.0	0.00	100	0.1	0.0	2.78	0	4.64	3.19
11792.0	0.00	30	0.9	0.0	2.79	0	4.64	3.19

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
11793.0	0.00	9	1.6	0.0	2.79	0	4.63	3.18
11794.0	0.00	8	1.8	0.0	2.79	0	4.61	3.16
11795.0	0.00	10	1.3	0.0	2.81	0	4.59	3.15
11796.0	0.00	17	1.0	0.0	2.81	0	4.58	3.14
11797.0	0.00	9	1.6	0.0	2.79	0	4.57	3.13
11798.0	0.01	9	2.4	0.0	2.77	0	4.55	3.11
11799.0	0.03	8	3.1	0.0	2.79	0	4.53	3.09
11800.0	0.01	9	2.4	0.0	2.80	0	4.50	3.06
11801.0	0.00	10	1.9	0.0	2.81	0	4.48	3.04
11802.0	0.00	11	1.4	0.0	2.81	0	4.46	3.03
11803.0	0.00	13	1.1	0.0	2.91	1	4.44	3.01
11804.0	0.00	12	1.1	0.0	2.81	1	4.43	3.00
11805.0	0.00	8	1.9	0.0	2.80	2	4.42	2.99
11806.0	0.02	7	2.8	0.0	2.78	0	4.40	2.98
11807.0	0.09	7	3.6	0.0	2.78	0	4.37	2.95
11808.0	0.01	7	2.6	0.0	2.78	0	4.34	2.91
11809.0	0.00	12	1.1	0.0	2.78	0	4.31	2.89
11810.0	0.00	51	0.7	0.0	2.78	0	4.31	2.89
11811.0	0.00	11	1.2	0.0	2.78	0	4.30	2.88
11812.0	0.00	9	1.7	0.0	2.78	0	4.28	2.87
11813.0	0.00	11	1.2	0.0	2.77	1	4.27	2.86
11814.0	0.00	20	0.9	0.0	2.77	0	4.26	2.85
11815.0	0.00	37	0.8	0.0	2.79	0	4.25	2.84
11816.0	0.00	41	0.8	0.0	2.79	1	4.24	2.84
11817.0	0.00	14	1.0	0.0	2.80	1	4.23	2.83
11818.0	0.00	13	1.1	0.0	2.80	1	4.22	2.82
11819.0	0.00	10	1.6	0.0	2.79	0	4.21	2.81
11820.0	0.00	11	1.4	0.0	2.79	0	4.19	2.80
11821.0	0.00	42	0.8	0.0	2.80	0	4.18	2.78
11822.0	0.00	100	0.3	0.0	2.81	0	4.17	2.78
11823.0	0.00	100	0.3	0.0	2.80	0	4.17	2.78
11824.0	0.00	100	0.1	0.0	2.82	0	4.17	2.78
11825.0	0.00	44	0.7	0.0	2.81	0	4.17	2.78
11826.0	0.00	10	1.5	0.0	2.79	0	4.16	2.77
11827.0	0.00	12	1.5	0.0	2.78	0	4.14	2.76
11828.0	0.00	14	1.5	0.0	2.80	0	4.13	2.75
11829.0	0.00	12	1.7	0.0	2.80	0	4.11	2.73
11830.0	0.00	11	1.7	0.0	2.79	0	4.09	2.72
11831.0	0.00	15	1.0	0.0	2.80	0	4.08	2.71
11832.0	0.00	100	0.4	0.0	2.82	0	4.07	2.70
11833.0	0.00	100	0.4	0.0	2.82	0	4.07	2.70
11834.0	0.00	57	0.7	0.0	2.82	0	4.06	2.70
11835.0	0.00	41	0.8	0.0	2.82	0	4.05	2.70
11836.0	0.00	18	1.0	0.0	2.80	0	4.05	2.69
11837.0	0.00	11	1.2	0.0	2.78	0	4.04	2.68
11838.0	0.00	30	0.9	0.0	2.80	0	4.02	2.67
11839.0	0.00	49	0.7	0.0	2.81	0	4.02	2.67
11840.0	0.00	33	0.9	0.0	2.80	0	4.01	2.67

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11841.0	0.00	12	1.5	0.0	2.79	0	4.00	2.66
11842.0	0.00	10	1.6	0.0	2.79	0	3.98	2.64
11843.0	0.00	12	1.4	0.0	2.79	0	3.97	2.63
11844.0	0.00	8	2.0	0.0	2.77	0	3.95	2.62
11845.0	0.00	11	1.1	0.0	2.78	4	3.93	2.60
11846.0	0.00	100	0.2	0.0	2.81	0	3.93	2.59
11847.0	0.00	100	0.1	0.0	2.82	1	3.92	2.59
11848.0	0.00	100	0.4	0.0	2.80	0	3.92	2.59
11849.0	0.00	48	0.7	0.0	2.80	0	3.92	2.59
11850.0	0.00	14	1.3	0.0	2.78	0	3.91	2.59
11851.0	0.00	10	1.5	0.0	2.77	0	3.90	2.58
11852.0	0.00	10	1.4	0.0	2.75	0	3.88	2.56
11853.0	0.00	11	1.2	0.0	2.76	0	3.87	2.55
11854.0	0.00	13	1.0	0.0	2.80	0	3.85	2.54
11855.0	0.00	100	0.4	0.0	2.81	0	3.85	2.53
11856.0	0.00	100	0.2	0.0	2.79	0	3.84	2.53
11857.0	0.00	100	0.1	0.0	2.79	0	3.84	2.53
11858.0	0.00	100	0.1	0.0	2.83	0	3.84	2.53
11859.0	0.00	100	0.4	0.0	2.83	0	3.84	2.53
11860.0	0.00	12	1.1	0.0	2.81	0	3.83	2.53
11861.0	0.00	8	1.8	0.0	2.78	0	3.82	2.52
11862.0	0.00	9	2.3	0.0	2.78	0	3.80	2.50
11863.0	0.00	13	1.5	0.0	2.81	0	3.78	2.48
11864.0	0.00	16	1.0	0.0	2.81	0	3.76	2.47
11865.0	0.00	27	0.9	0.0	2.81	0	3.75	2.46
11866.0	0.00	100	0.4	0.0	2.81	0	3.75	2.46
11867.0	0.00	100	0.2	0.0	2.81	0	3.74	2.46
11868.0	0.00	100	0.4	0.0	2.79	0	3.74	2.46
11869.0	0.00	100	0.3	0.0	2.79	0	3.74	2.46
11870.0	0.00	50	0.7	0.0	2.79	0	3.73	2.46
11871.0	0.00	30	0.9	0.0	2.80	0	3.72	2.45
11872.0	0.00	25	0.9	0.0	2.82	0	3.72	2.44
11873.0	0.00	10	1.4	0.0	2.80	0	3.71	2.44
11874.0	0.00	8	1.9	0.0	2.78	1	3.69	2.42
11875.0	0.01	8	2.6	0.0	2.77	2	3.67	2.40
11876.0	0.01	9	2.6	0.0	2.78	0	3.64	2.38
11877.0	0.00	13	2.0	0.0	2.79	0	3.62	2.36
11878.0	0.00	15	1.8	0.0	2.80	0	3.60	2.34
11879.0	0.00	11	1.8	0.0	2.79	0	3.58	2.33
11880.0	0.00	10	1.6	0.0	2.80	0	3.56	2.31
11881.0	0.00	14	1.2	0.0	2.80	0	3.55	2.30
11882.0	0.00	14	1.2	0.0	2.79	0	3.54	2.29
11883.0	0.00	13	1.3	0.0	2.78	0	3.52	2.28
11884.0	0.00	16	1.2	0.0	2.78	0	3.51	2.26
11885.0	0.00	56	0.7	0.0	2.80	0	3.50	2.26
11886.0	0.00	54	0.6	0.4	2.78	0	3.50	2.26
11887.0	0.00	29	0.9	0.0	2.77	0	3.49	2.25
11888.0	0.00	43	0.8	0.0	2.78	0	3.48	2.25

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11889.0	0.00	19	1.0	0.0	2.78	0	3.47	2.24
11890.0	0.00	59	0.6	0.0	2.80	0	3.46	2.24
11891.0	0.00	48	0.7	0.0	2.79	3	3.46	2.23
11892.0	0.00	33	0.9	0.0	2.78	2	3.45	2.23
11893.0	0.00	100	0.3	0.0	2.80	0	3.44	2.22
11894.0	0.00	100	0.3	0.0	2.79	0	3.44	2.22
11895.0	0.00	100	0.0	0.0	2.83	0	3.44	2.22
11896.0	0.00	100	0.0	0.0	2.84	0	3.44	2.22
11897.0	0.00	100	0.1	0.0	2.81	0	3.44	2.22
11898.0	0.00	100	0.0	0.0	2.82	0	3.44	2.22
11899.0	0.00	100	0.0	0.0	2.84	0	3.44	2.22
11900.0	0.00	100	0.2	0.0	2.82	0	3.44	2.22
11901.0	0.00	40	0.8	0.0	2.79	0	3.43	2.22
11902.0	0.00	100	0.1	0.0	2.81	0	3.43	2.22
11903.0	0.00	100	0.0	0.0	2.84	0	3.43	2.22
11904.0	0.00	100	0.0	0.0	2.86	0	3.43	2.22
11905.0	0.00	100	0.0	0.0	2.85	0	3.43	2.22
11906.0	0.00	100	0.0	0.0	2.84	2	3.43	2.22
11907.0	0.00	100	0.2	0.0	2.81	0	3.43	2.22
11908.0	0.00	100	0.1	0.0	2.80	0	3.43	2.22
11909.0	0.00	100	0.0	0.0	2.82	0	3.42	2.22
11910.0	0.00	100	0.0	0.0	2.82	0	3.42	2.22
11911.0	0.00	100	0.0	0.0	2.81	0	3.42	2.22
11912.0	0.00	100	0.2	0.0	2.79	0	3.42	2.22
11913.0	0.00	100	0.3	0.0	2.78	0	3.42	2.22
11914.0	0.00	100	0.2	0.1	2.78	0	3.42	2.22
11915.0	0.00	100	0.0	0.0	2.82	0	3.42	2.22
11916.0	0.00	100	0.0	0.0	2.84	0	3.42	2.22
11917.0	0.00	100	0.2	0.0	2.81	4	3.42	2.22
11918.0	0.00	90	0.4	0.0	2.79	5	3.41	2.22
11919.0	0.00	100	0.3	0.0	2.80	3	3.41	2.22
11920.0	0.00	100	0.5	0.0	2.79	0	3.41	2.22
11921.0	0.00	100	0.3	0.0	2.81	0	3.40	2.22
11922.0	0.00	100	0.5	0.0	2.80	0	3.40	2.22
11923.0	0.00	100	0.5	0.0	2.81	0	3.39	2.22
11924.0	0.00	100	0.4	0.0	2.82	0	3.39	2.22
11925.0	0.00	100	0.5	0.0	2.81	0	3.39	2.22
11926.0	0.00	12	1.0	0.0	2.80	0	3.38	2.22
11927.0	0.00	12	1.1	0.0	2.80	0	3.37	2.21
11928.0	0.00	32	0.8	0.0	2.80	1	3.36	2.20
11929.0	0.00	9	1.4	0.0	2.80	1	3.35	2.19
11930.0	0.00	8	1.7	0.0	2.81	0	3.33	2.18
11931.0	0.00	11	1.3	0.0	2.81	0	3.32	2.16
11932.0	0.00	40	0.8	0.0	2.82	0	3.31	2.16
11933.0	0.00	12	1.1	0.0	2.81	0	3.30	2.15
11934.0	0.00	10	1.4	0.0	2.80	0	3.29	2.14
11935.0	0.00	13	1.2	0.0	2.91	0	3.27	2.13
11936.0	0.00	10	1.7	0.0	2.80	0	3.26	2.12

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POW-FT	HC-FT
11937.0	0.00	10	1.9	0.0	2.79	0	3.24	2.10
11938.0	0.00	13	1.4	0.0	2.79	1	3.22	2.08
11939.0	0.00	100	0.4	0.0	2.80	4	3.21	2.08
11940.0	0.00	100	0.1	0.0	2.81	5	3.21	2.08
11941.0	0.00	100	0.0	0.0	2.82	7	3.21	2.08
11942.0	0.00	100	0.0	0.0	2.82	9	3.21	2.08
11943.0	0.00	94	0.3	0.0	2.81	13	3.21	2.08
11944.0	0.00	53	0.7	0.0	2.81	7	3.21	2.08
11945.0	0.00	16	1.1	0.0	2.81	1	3.20	2.07
11946.0	0.00	15	1.2	0.0	2.80	0	3.19	2.06
11947.0	0.00	55	0.7	0.0	2.82	0	3.18	2.05
11948.0	0.00	100	0.5	0.0	2.82	0	3.17	2.05
11949.0	0.00	100	0.1	0.0	2.83	4	3.16	2.05
11950.0	0.00	100	0.0	0.0	2.82	6	3.16	2.05
11951.0	0.00	100	0.1	0.0	2.81	3	3.16	2.05
11952.0	0.00	100	0.0	0.0	2.85	0	3.16	2.05
11953.0	0.00	100	0.0	0.0	2.84	0	3.16	2.05
11954.0	0.00	100	0.0	0.0	2.84	0	3.16	2.05
11955.0	0.00	100	0.0	0.0	2.86	0	3.16	2.05
11956.0	0.00	100	0.0	0.0	2.84	1	3.16	2.05
11957.0	0.00	100	0.1	0.0	2.84	0	3.16	2.05
11958.0	0.00	12	1.2	0.0	2.80	0	3.16	2.05
11959.0	0.00	13	1.0	0.0	2.78	0	3.15	2.04
11960.0	0.00	100	0.3	0.0	2.80	0	3.14	2.03
11961.0	0.00	28	0.9	0.0	2.77	1	3.13	2.03
11962.0	0.00	11	1.1	0.0	2.77	2	3.12	2.02
11963.0	0.00	41	0.8	0.0	2.81	0	3.11	2.01
11964.0	0.00	51	0.7	0.0	2.81	0	3.11	2.01
11965.0	0.00	100	0.4	0.0	2.81	2	3.10	2.01
11966.0	0.00	100	0.3	0.0	2.81	3	3.10	2.01
11967.0	0.00	100	0.3	0.0	2.81	2	3.09	2.01
11968.0	0.00	21	0.9	0.0	2.78	0	3.09	2.01
11969.0	0.00	100	0.4	0.0	2.79	0	3.08	2.00
11970.0	0.00	55	0.6	0.0	2.79	0	3.08	2.00
11971.0	0.00	10	1.3	0.0	2.78	3	3.07	1.99
11972.0	0.00	9	1.5	0.0	2.77	4	3.05	1.98
11973.0	0.00	35	0.8	0.0	2.78	3	3.04	1.97
11974.0	0.00	18	0.9	0.0	2.77	5	3.03	1.97
11975.0	0.00	10	1.1	0.0	2.76	7	3.02	1.96
11976.0	0.00	13	1.0	0.0	2.77	3	3.01	1.95
11977.0	0.00	100	0.2	0.0	2.81	2	3.00	1.94
11978.0	0.00	68	0.5	0.0	2.79	5	3.00	1.94
11979.0	0.00	8	1.6	0.0	2.77	0	2.99	1.94
11980.0	0.00	12	1.1	0.0	2.78	0	2.98	1.92
11981.0	0.00	100	0.5	0.0	2.79	0	2.97	1.91
11982.0	0.00	36	0.8	0.0	2.79	0	2.96	1.91
11983.0	0.00	8	1.8	0.0	2.77	0	2.95	1.90
11984.0	0.00	9	1.5	0.0	2.78	0	2.93	1.89

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
11985.0	0.00	11	1.2	0.0	2.79	0	2.92	1.87
11986.0	0.00	12	1.1	0.0	2.80	0	2.91	1.86
11987.0	0.00	12	1.1	0.0	2.80	1	2.90	1.85
11988.0	0.00	12	1.0	0.0	2.79	3	2.89	1.85
11989.0	0.00	10	1.3	0.0	2.77	4	2.88	1.84
11990.0	0.00	11	1.1	0.0	2.79	3	2.86	1.83
11991.0	0.00	10	1.2	0.0	2.79	5	2.85	1.82
11992.0	0.00	21	0.9	0.3	2.78	9	2.84	1.80
11993.0	0.00	87	0.3	0.0	2.81	9	2.83	1.80
11994.0	0.00	10	1.2	0.0	2.81	7	2.83	1.80
11995.0	0.00	8	1.7	0.0	2.81	6	2.81	1.79
11996.0	0.00	8	1.7	0.0	2.81	7	2.80	1.77
11997.0	0.00	9	1.5	0.0	2.80	6	2.78	1.75
11998.0	0.00	54	0.6	0.0	2.80	5	2.77	1.74
11999.0	0.00	85	0.5	0.0	2.79	5	2.76	1.74
12000.0	0.00	47	0.7	0.0	2.79	6	2.76	1.74
12001.0	0.00	50	0.7	0.0	2.79	6	2.75	1.74
12002.0	0.00	11	1.1	0.0	2.80	7	2.74	1.73
12003.0	0.02	6	2.7	0.0	2.77	7	2.73	1.72
12004.0	0.02	6	2.7	0.0	2.76	5	2.70	1.69
12005.0	0.00	10	1.3	0.0	2.80	1	2.68	1.67
12006.0	0.00	67	0.5	0.0	2.81	5	2.67	1.66
12007.0	0.00	42	0.7	0.0	2.79	8	2.66	1.66
12008.0	0.00	99	0.4	0.0	2.79	4	2.65	1.66
12009.0	0.00	100	0.1	0.0	2.82	2	2.65	1.66
12010.0	0.00	100	0.3	0.0	2.82	0	2.65	1.66
12011.0	0.00	10	1.3	0.0	2.81	0	2.64	1.65
12012.0	0.00	8	1.9	0.0	2.80	0	2.63	1.64
12013.0	0.00	8	1.7	0.0	2.80	0	2.61	1.62
12014.0	0.00	7	2.1	0.0	2.79	0	2.59	1.61
12015.0	0.01	7	2.4	0.0	2.79	0	2.57	1.59
12016.0	0.00	8	1.7	0.0	2.79	0	2.55	1.57
12017.0	0.00	8	1.7	0.0	2.78	0	2.53	1.55
12018.0	0.00	8	1.9	0.0	2.78	0	2.51	1.53
12019.0	0.00	8	1.9	0.0	2.78	0	2.49	1.52
12020.0	0.00	8	1.8	0.0	2.77	0	2.47	1.50
12021.0	0.00	8	1.9	0.0	2.77	0	2.46	1.48
12022.0	0.00	11	1.2	0.0	2.79	0	2.44	1.47
12023.0	0.00	100	0.1	0.0	2.81	0	2.43	1.46
12024.0	0.00	100	0.4	0.0	2.81	0	2.43	1.46
12025.0	0.00	10	1.3	0.0	2.81	0	2.42	1.46
12026.0	0.00	11	1.2	0.0	2.82	0	2.41	1.45
12027.0	0.00	44	0.7	0.0	2.82	0	2.40	1.44
12028.0	0.00	100	0.5	0.0	2.80	0	2.39	1.44
12029.0	0.00	100	0.3	0.0	2.81	0	2.39	1.44
12030.0	0.00	100	0.0	0.0	2.83	0	2.39	1.44
12031.0	0.00	100	0.0	0.0	2.86	0	2.39	1.44
12032.0	0.00	100	0.0	0.0	2.82	0	2.39	1.44

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12033.0	0.00	100	0.0	0.0	2.83	0	2.39	1.44
12034.0	0.00	100	0.0	0.0	2.81	0	2.39	1.44
12035.0	0.00	100	0.0	0.0	2.84	0	2.39	1.44
12036.0	0.00	100	0.0	0.0	2.85	0	2.39	1.44
12037.0	0.00	100	0.0	0.0	2.86	0	2.39	1.44
12038.0	0.00	100	0.0	0.0	2.87	0	2.39	1.44
12039.0	0.00	100	0.0	0.0	2.86	0	2.39	1.44
12040.0	0.00	100	0.0	0.0	2.87	0	2.39	1.44
12041.0	0.00	100	0.0	0.0	2.85	1	2.39	1.44
12042.0	0.00	100	0.1	0.0	2.83	1	2.39	1.44
12043.0	0.00	100	0.2	0.0	2.83	0	2.39	1.44
12044.0	0.00	100	0.4	0.0	2.82	0	2.39	1.44
12045.0	0.00	100	0.4	0.0	2.81	2	2.38	1.44
12046.0	0.00	100	0.2	0.0	2.83	3	2.38	1.44
12047.0	0.00	100	0.3	0.0	2.83	6	2.38	1.44
12048.0	0.00	100	0.1	0.0	2.83	7	2.37	1.44
12049.0	0.00	100	0.0	0.0	2.84	7	2.37	1.44
12050.0	0.00	100	0.0	0.0	2.82	4	2.37	1.44
12051.0	0.00	100	0.0	0.0	2.84	2	2.37	1.44
12052.0	0.00	100	0.0	0.0	2.84	5	2.37	1.44
12053.0	0.00	100	0.3	0.0	2.81	5	2.37	1.44
12054.0	0.00	100	0.5	0.0	2.81	2	2.37	1.44
12055.0	0.00	100	0.5	0.0	2.80	4	2.36	1.44
12056.0	0.00	100	0.3	0.0	2.81	5	2.36	1.44
12057.0	0.00	100	0.1	0.1	2.81	7	2.36	1.44
12058.0	0.00	100	0.5	0.0	2.81	6	2.36	1.44
12059.0	0.00	86	0.6	0.0	2.82	3	2.35	1.44
12060.0	0.00	74	0.7	0.0	2.80	4	2.34	1.44
12061.0	0.00	54	0.8	0.0	2.81	1	2.34	1.43
12062.0	0.00	37	1.0	0.0	2.81	0	2.33	1.43
12063.0	0.00	32	1.1	0.0	2.81	0	2.32	1.42
12064.0	0.00	79	0.6	0.0	2.80	3	2.31	1.42
12065.0	0.00	100	0.3	0.0	2.80	2	2.30	1.42
12066.0	0.00	100	0.2	0.0	2.81	1	2.30	1.42
12067.0	0.00	100	0.0	0.0	2.83	2	2.30	1.42
12068.0	0.00	100	0.2	0.0	2.81	2	2.30	1.42
12069.0	0.00	100	0.5	0.0	2.80	0	2.30	1.42
12070.0	0.00	69	0.6	0.0	2.81	0	2.29	1.42
12071.0	0.00	66	0.7	0.0	2.81	0	2.29	1.42
12072.0	0.00	35	1.3	0.0	2.80	0	2.28	1.41
12073.0	0.00	27	1.9	0.0	2.78	0	2.26	1.40
12074.0	0.00	21	1.8	0.0	2.78	1	2.24	1.39
12075.0	0.00	66	0.7	0.0	2.81	2	2.23	1.37
12076.0	0.00	100	0.4	0.0	2.81	2	2.22	1.37
12077.0	0.00	100	0.2	0.0	2.81	2	2.22	1.37
12078.0	0.00	100	0.1	0.0	2.81	1	2.22	1.37
12079.0	0.00	100	0.4	0.0	2.79	2	2.21	1.37
12080.0	0.00	47	0.8	0.0	2.77	3	2.21	1.37

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	NC-FT
12081.0	0.00	100	0.2	0.0	2.81	0	2.20	1.37
12082.0	0.00	100	0.0	0.0	2.84	0	2.20	1.37
12083.0	0.00	100	0.0	0.0	2.86	0	2.20	1.37
12084.0	0.00	100	0.0	0.0	2.88	0	2.20	1.37
12085.0	0.00	100	0.0	0.0	2.86	2	2.20	1.37
12086.0	0.00	100	0.0	0.0	2.84	4	2.20	1.37
12087.0	0.00	100	0.0	0.0	2.83	2	2.20	1.37
12088.0	0.00	100	0.0	0.0	2.82	2	2.20	1.37
12089.0	0.00	100	0.0	0.0	2.83	4	2.20	1.37
12090.0	0.00	100	0.2	0.0	2.81	3	2.20	1.37
12091.0	0.00	100	0.1	0.0	2.81	1	2.20	1.37
12092.0	0.00	100	0.2	0.0	2.81	0	2.20	1.37
12093.0	0.00	100	0.2	0.0	2.80	2	2.20	1.37
12094.0	0.00	99	0.2	0.2	2.80	3	2.19	1.37
12095.0	0.00	100	0.0	0.0	2.83	4	2.19	1.37
12096.0	0.00	100	0.0	0.0	2.83	5	2.19	1.37
12097.0	0.00	100	0.0	0.0	2.84	2	2.19	1.37
12098.0	0.00	100	0.0	0.0	2.86	0	2.19	1.37
12099.0	0.00	100	0.0	0.0	2.86	0	2.19	1.37
12100.0	0.00	100	0.0	0.0	2.83	0	2.19	1.37
12101.0	0.00	100	0.1	0.0	2.81	5	2.19	1.37
12102.0	0.00	99	0.2	0.2	2.81	11	2.19	1.37
12103.0	0.00	97	0.3	0.3	2.80	16	2.19	1.37
12104.0	0.00	99	0.2	0.0	2.80	12	2.19	1.37
12105.0	0.00	100	0.4	0.0	2.80	7	2.18	1.37
12106.0	0.00	51	0.8	0.0	2.79	2	2.18	1.37
12107.0	0.00	100	0.4	0.0	2.80	0	2.17	1.36
12108.0	0.00	100	0.4	0.0	2.80	0	2.17	1.36
12109.0	0.00	43	0.7	0.7	2.78	0	2.16	1.36
12110.0	0.00	39	0.8	0.0	2.79	0	2.16	1.36
12111.0	0.00	61	0.6	0.0	2.80	0	2.15	1.35
12112.0	0.00	100	0.1	0.0	2.82	0	2.14	1.35
12113.0	0.00	100	0.0	0.0	2.84	0	2.14	1.35
12114.0	0.00	100	0.2	0.0	2.81	0	2.14	1.35
12115.0	0.00	100	0.3	0.0	2.80	0	2.14	1.35
12116.0	0.00	100	0.2	0.0	2.81	2	2.14	1.35
12117.0	0.00	100	0.1	0.0	2.81	1	2.14	1.35
12118.0	0.00	100	0.2	0.0	2.81	3	2.13	1.35
12119.0	0.00	100	0.3	0.0	2.79	8	2.13	1.35
12120.0	0.00	80	0.6	0.0	2.81	3	2.13	1.35
12121.0	0.00	100	0.1	0.0	2.83	2	2.12	1.35
12122.0	0.00	100	0.0	0.0	2.83	1	2.12	1.35
12123.0	0.00	100	0.1	0.0	2.81	0	2.12	1.35
12124.0	0.00	100	0.1	0.0	2.81	0	2.12	1.35
12125.0	0.00	100	0.0	0.0	2.81	0	2.12	1.35
12126.0	0.00	100	0.4	0.0	2.80	0	2.12	1.35
12127.0	0.00	100	0.3	0.0	2.82	0	2.11	1.35
12128.0	0.00	55	0.7	0.0	2.80	0	2.11	1.35

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12129.0	0.00	100	0.5	0.0	2.79	0	2.10	1.35
12130.0	0.00	100	0.0	0.0	2.82	0	2.10	1.35
12131.0	0.00	100	0.0	0.0	2.83	0	2.10	1.35
12132.0	0.00	100	0.0	0.0	2.84	0	2.10	1.35
12133.0	0.00	100	0.0	0.0	2.82	0	2.10	1.35
12134.0	0.00	100	0.3	0.0	2.80	0	2.10	1.35
12135.0	0.00	77	0.6	0.0	2.79	0	2.10	1.35
12136.0	0.00	56	0.7	0.0	2.78	0	2.09	1.35
12137.0	0.00	100	0.3	0.0	2.80	1	2.08	1.34
12138.0	0.00	100	0.1	0.0	2.81	1	2.08	1.34
12139.0	0.00	100	0.3	0.0	2.81	0	2.08	1.34
12140.0	0.00	100	0.3	0.0	2.82	0	2.08	1.34
12141.0	0.00	48	0.8	0.0	2.81	0	2.07	1.34
12142.0	0.00	25	1.1	0.0	2.81	0	2.06	1.34
12143.0	0.00	22	1.2	0.0	2.81	0	2.05	1.33
12144.0	0.00	23	1.0	0.0	2.80	0	2.04	1.32
12145.0	0.00	100	0.1	0.0	2.83	1	2.03	1.32
12146.0	0.00	100	0.1	0.0	2.81	2	2.03	1.32
12147.0	0.00	100	0.0	0.0	2.83	0	2.03	1.32
12148.0	0.00	100	0.0	0.0	2.85	0	2.03	1.32
12149.0	0.00	100	0.0	0.0	2.83	0	2.03	1.32
12150.0	0.00	100	0.0	0.0	2.81	0	2.03	1.32
12151.0	0.00	100	0.0	0.0	2.80	0	2.03	1.32
12152.0	0.00	100	0.0	0.0	2.81	0	2.03	1.32
12153.0	0.00	100	0.0	0.0	2.81	0	2.03	1.32
12154.0	0.00	100	0.0	0.0	2.81	0	2.03	1.32
12155.0	0.00	100	0.0	0.0	2.84	0	2.03	1.32
12156.0	0.00	100	0.0	0.0	2.83	0	2.03	1.32
12157.0	0.00	100	0.0	0.0	2.81	0	2.03	1.32
12158.0	0.00	100	0.1	0.0	2.81	0	2.03	1.32
12159.0	0.00	100	0.1	0.0	2.80	0	2.03	1.32
12160.0	0.00	100	0.1	0.0	2.80	0	2.03	1.32
12161.0	0.00	100	0.1	0.0	2.80	0	2.03	1.32
12162.0	0.00	100	0.1	0.0	2.81	0	2.03	1.32
12163.0	0.00	100	0.2	0.0	2.81	0	2.03	1.32
12164.0	0.00	100	0.4	0.0	2.80	0	2.02	1.32
12165.0	0.00	100	0.4	0.0	2.80	0	2.02	1.32
12166.0	0.00	100	0.2	0.0	2.80	0	2.02	1.32
12167.0	0.00	100	0.4	0.0	2.78	0	2.01	1.32
12168.0	0.00	61	0.7	0.3	2.78	0	2.01	1.31
12169.0	0.00	31	1.0	1.0	2.76	3	2.00	1.31
12170.0	0.00	22	1.1	0.9	2.77	3	1.99	1.30
12171.0	0.00	47	0.8	0.0	2.79	0	1.98	1.30
12172.0	0.00	100	0.4	0.0	2.79	0	1.97	1.29
12173.0	0.00	100	0.2	0.0	2.81	0	1.97	1.29
12174.0	0.00	100	0.1	0.0	2.82	0	1.97	1.29
12175.0	0.00	100	0.2	0.0	2.81	0	1.97	1.29
12176.0	0.00	100	0.3	0.0	2.79	0	1.97	1.29

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12177.0	0.00	100	0.2	0.0	2.79	0	1.96	1.29
12178.0	0.00	100	0.1	0.0	2.80	0	1.96	1.29
12179.0	0.00	100	0.0	0.0	2.83	0	1.96	1.29
12180.0	0.00	100	0.0	0.0	2.84	0	1.96	1.29
12181.0	0.00	100	0.0	0.0	2.82	0	1.96	1.29
12182.0	0.00	100	0.0	0.0	2.80	0	1.96	1.29
12183.0	0.00	100	0.2	0.0	2.78	0	1.96	1.29
12184.0	0.00	100	0.0	0.0	2.81	0	1.96	1.29
12185.0	0.00	100	0.0	0.0	2.83	0	1.96	1.29
12186.0	0.00	100	0.0	0.0	2.84	0	1.96	1.29
12187.0	0.00	100	0.0	0.0	2.83	0	1.96	1.29
12188.0	0.00	100	0.0	0.0	2.82	0	1.96	1.29
12189.0	0.00	100	0.0	0.0	2.81	0	1.96	1.29
12190.0	0.00	72	0.6	0.0	2.78	0	1.96	1.29
12191.0	0.00	100	0.5	0.0	2.78	0	1.95	1.29
12192.0	0.00	100	0.1	0.0	2.81	0	1.95	1.29
12193.0	0.00	100	0.0	0.0	2.83	0	1.95	1.29
12194.0	0.00	100	0.0	0.0	2.82	0	1.95	1.29
12195.0	0.00	100	0.0	0.0	2.81	0	1.95	1.29
12196.0	0.00	100	0.0	0.0	2.82	0	1.95	1.29
12197.0	0.00	100	0.0	0.0	2.85	0	1.95	1.29
12198.0	0.00	100	0.0	0.0	2.85	0	1.95	1.29
12199.0	0.00	100	0.0	0.0	2.83	0	1.95	1.29
12200.0	0.00	100	0.0	0.0	2.84	0	1.95	1.29
12201.0	0.00	100	0.0	0.0	2.84	0	1.95	1.29
12202.0	0.00	100	0.0	0.0	2.82	0	1.95	1.29
12203.0	0.00	100	0.0	0.0	2.81	0	1.95	1.29
12204.0	0.00	100	0.0	0.0	2.82	0	1.95	1.29
12205.0	0.00	100	0.0	0.0	2.82	0	1.95	1.29
12206.0	0.00	100	0.1	0.0	2.82	0	1.95	1.29
12207.0	0.00	100	0.0	0.0	2.82	0	1.94	1.29
12208.0	0.00	100	0.0	0.0	2.84	0	1.94	1.29
12209.0	0.00	100	0.0	0.0	2.84	0	1.94	1.29
12210.0	0.00	100	0.0	0.0	2.83	0	1.94	1.29
12211.0	0.00	100	0.0	0.0	2.82	0	1.94	1.29
12212.0	0.00	100	0.0	0.0	2.84	0	1.94	1.29
12213.0	0.00	100	0.0	0.0	2.86	0	1.94	1.29
12214.0	0.00	100	0.0	0.0	2.84	0	1.94	1.29
12215.0	0.00	100	0.0	0.0	2.82	0	1.94	1.29
12216.0	0.00	100	0.1	0.0	2.80	0	1.94	1.29
12217.0	0.00	100	0.3	0.0	2.79	0	1.94	1.29
12218.0	0.00	100	0.5	0.0	2.79	0	1.94	1.29
12219.0	0.00	17	1.1	0.0	2.77	0	1.93	1.29
12220.0	0.00	19	1.0	0.0	2.77	0	1.92	1.28
12221.0	0.00	54	0.7	0.0	2.78	0	1.91	1.27
12222.0	0.00	100	0.4	0.0	2.79	0	1.91	1.27
12223.0	0.00	100	0.3	0.0	2.81	0	1.90	1.27
12224.0	0.00	100	0.5	0.0	2.80	0	1.90	1.27

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12225.0	0.00	49	0.8	0.0	2.79	0	1.89	1.27
12226.0	0.00	64	0.7	0.0	2.79	0	1.89	1.26
12227.0	0.00	51	0.8	0.0	2.79	0	1.88	1.26
12228.0	0.00	63	0.7	0.0	2.81	0	1.87	1.26
12229.0	0.00	100	0.5	0.0	2.80	0	1.86	1.26
12230.0	0.00	100	0.2	0.0	2.81	0	1.86	1.26
12231.0	0.00	100	0.0	0.0	2.81	0	1.86	1.26
12232.0	0.00	100	0.0	0.0	2.82	0	1.86	1.26
12233.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12234.0	0.00	100	0.0	0.0	2.85	0	1.86	1.26
12235.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12236.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12237.0	0.00	100	0.0	0.0	2.85	0	1.86	1.26
12238.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12239.0	0.00	100	0.0	0.0	2.87	0	1.86	1.26
12240.0	0.00	100	0.0	0.0	2.86	0	1.86	1.26
12241.0	0.00	100	0.0	0.0	2.84	0	1.86	1.26
12242.0	0.00	100	0.0	0.0	2.84	0	1.86	1.26
12243.0	0.00	100	0.0	0.0	2.85	0	1.86	1.26
12244.0	0.00	100	0.0	0.0	2.84	0	1.86	1.26
12245.0	0.00	100	0.0	0.0	2.81	0	1.86	1.26
12246.0	0.00	100	0.0	0.0	2.82	0	1.86	1.26
12247.0	0.00	100	0.0	0.0	2.84	0	1.86	1.26
12248.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12249.0	0.00	100	0.0	0.0	2.82	0	1.86	1.26
12250.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12251.0	0.00	100	0.0	0.0	2.82	0	1.86	1.26
12252.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12253.0	0.00	100	0.0	0.0	2.84	0	1.86	1.26
12254.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12255.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12256.0	0.00	100	0.0	0.0	2.84	0	1.86	1.26
12257.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12258.0	0.00	100	0.0	0.0	2.81	0	1.86	1.26
12259.0	0.00	100	0.0	0.0	2.83	0	1.86	1.26
12260.0	0.00	100	0.0	0.0	2.81	0	1.86	1.26
12261.0	0.00	100	0.2	0.0	2.79	0	1.86	1.26
12262.0	0.00	100	0.1	0.0	2.80	0	1.86	1.26
12263.0	0.00	100	0.1	0.0	2.82	0	1.85	1.26
12264.0	0.00	100	0.0	0.0	2.84	0	1.85	1.26
12265.0	0.00	100	0.0	0.0	2.84	0	1.85	1.26
12266.0	0.00	100	0.0	0.0	2.84	0	1.85	1.26
12267.0	0.00	100	0.0	0.0	2.82	2	1.85	1.26
12268.0	0.00	100	0.2	0.0	2.80	5	1.85	1.26
12269.0	0.00	100	0.2	0.0	2.81	8	1.85	1.26
12270.0	0.00	100	0.0	0.0	2.84	16	1.85	1.26
12271.0	0.00	100	0.0	0.0	2.85	21	1.85	1.26
12272.0	0.00	100	0.0	0.0	2.86	14	1.85	1.26

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12273.0	0.00	100	0.0	0.0	2.87	5	1.85	1.26
12274.0	0.00	100	0.0	0.0	2.85	13	1.85	1.26
12275.0	0.00	100	0.0	0.0	2.84	29	1.85	1.26
12276.0	0.00	100	0.0	0.0	2.84	26	1.85	1.26
12277.0	0.00	100	0.0	0.0	2.86	15	1.85	1.26
12278.0	0.00	100	0.0	0.0	2.89	19	1.85	1.26
12279.0	0.00	100	0.0	0.0	2.90	38	1.85	1.26
12280.0	0.00	27	1.3	1.3	2.89	26	1.84	1.26
12281.0	0.00	22	1.7	1.7	2.92	31	1.83	1.24
12282.0	0.00	45	0.8	0.8	2.89	44	1.81	1.23
12284.0	0.00	100	0.0	0.0	2.85	40	1.81	1.23
12285.0	0.00	100	0.0	0.0	2.86	39	1.81	1.23
12286.0	0.00	100	0.0	0.0	2.86	31	1.81	1.23
12287.0	0.00	100	0.0	0.0	2.86	22	1.81	1.23
12288.0	0.00	100	0.0	0.0	2.85	19	1.81	1.23
12289.0	0.00	100	0.0	0.0	2.84	16	1.81	1.23
12290.0	0.00	100	0.0	0.0	2.83	18	1.81	1.23
12291.0	0.00	100	0.0	0.0	2.82	14	1.81	1.23
12292.0	0.00	100	0.0	0.0	2.84	10	1.81	1.23
12293.0	0.00	100	0.0	0.0	2.87	10	1.81	1.23
12294.0	0.00	100	0.0	0.0	2.87	3	1.81	1.23
12295.0	0.00	100	0.0	0.0	2.88	0	1.81	1.23
12296.0	0.00	100	0.0	0.0	2.86	0	1.81	1.23
12297.0	0.00	100	0.0	0.0	2.85	2	1.81	1.23
12298.0	0.00	100	0.0	0.0	2.84	3	1.81	1.23
12299.0	0.00	100	0.0	0.0	2.82	1	1.81	1.23
12300.0	0.00	100	0.0	0.0	2.84	2	1.81	1.23
12301.0	0.00	100	0.0	0.0	2.87	4	1.81	1.23
12302.0	0.00	100	0.0	0.0	2.90	11	1.81	1.23
12303.0	0.00	100	0.0	0.0	2.89	25	1.81	1.23
12304.0	0.00	100	0.0	0.0	2.86	29	1.81	1.23
12305.0	0.00	100	0.0	0.0	2.86	35	1.81	1.23
12306.0	0.00	100	0.0	0.0	2.84	22	1.81	1.23
12307.0	0.00	100	0.1	0.0	2.82	16	1.81	1.23
12308.0	0.00	100	0.3	0.0	2.79	10	1.81	1.23
12309.0	0.00	100	0.2	0.0	2.81	2	1.81	1.23
12310.0	0.00	100	0.0	0.0	2.82	0	1.81	1.23
12311.0	0.00	100	0.0	0.0	2.84	0	1.81	1.23
12312.0	0.00	100	0.0	0.0	2.83	0	1.81	1.23
12313.0	0.00	100	0.0	0.0	2.82	0	1.81	1.23
12314.0	0.00	100	0.2	0.0	2.80	0	1.80	1.23
12315.0	0.00	100	0.3	0.0	2.80	0	1.80	1.23
12316.0	0.00	100	0.4	0.0	2.79	0	1.80	1.23
12317.0	0.00	100	0.3	0.0	2.80	0	1.79	1.23
12318.0	0.00	100	0.3	0.0	2.79	0	1.79	1.23
12319.0	0.00	100	0.1	0.0	2.81	0	1.79	1.23
12320.0	0.00	100	0.1	0.0	2.82	0	1.79	1.23

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
12321.0	0.00	100	0.1 0.0	2.82	0	1.79 1.23
12322.0	0.00	100	0.0 0.0	2.84	0	1.79 1.23
12323.0	0.00	100	0.0 0.0	2.84	0	1.79 1.23
12324.0	0.00	100	0.0 0.0	2.85	0	1.79 1.23
12325.0	0.00	100	0.0 0.0	2.86	0	1.79 1.23
12326.0	0.00	100	0.0 0.0	2.87	0	1.79 1.23
12327.0	0.00	100	0.0 0.0	2.87	10	1.79 1.23
12328.0	0.00	100	0.0 0.0	2.84	21	1.79 1.23
12329.0	0.00	100	0.1 0.1	2.82	24	1.79 1.23
12330.0	0.00	100	0.0 0.0	2.84	18	1.79 1.23
12331.0	0.00	100	0.0 0.0	2.88	14	1.79 1.23
12332.0	0.00	100	0.0 0.0	2.89	10	1.79 1.23
12333.0	0.00	100	0.0 0.0	2.89	8	1.79 1.23
12334.0	0.00	100	0.0 0.0	2.86	6	1.79 1.23
12335.0	0.00	100	0.0 0.0	2.86	10	1.79 1.23
12336.0	0.00	100	0.0 0.0	2.87	13	1.79 1.23
12337.0	0.00	100	0.0 0.0	2.87	16	1.79 1.23
12338.0	0.00	100	0.0 0.0	2.87	13	1.79 1.23
12339.0	0.00	100	0.0 0.0	2.89	14	1.79 1.23
12340.0	0.00	100	0.0 0.0	2.86	19	1.79 1.23
12341.0	0.00	100	0.1 0.1	2.82	19	1.79 1.23
12342.0	0.00	100	0.0 0.0	2.83	20	1.79 1.23
12343.0	0.00	100	0.0 0.0	2.85	24	1.79 1.23
12344.0	0.00	100	0.1 0.0	2.85	21	1.79 1.23
12345.0	0.00	54	0.7 0.0	2.85	10	1.78 1.23
12346.0	0.00	39	0.8 0.0	2.85	7	1.78 1.23
12347.0	0.00	40	0.8 0.0	2.85	9	1.77 1.22
12348.0	0.00	88	0.4 0.0	2.85	8	1.76 1.22
12349.0	0.00	100	0.2 0.0	2.86	7	1.76 1.22
12350.0	0.00	100	0.1 0.0	2.86	6	1.76 1.22
12351.0	0.00	93	0.4 0.0	2.84	6	1.76 1.22
12352.0	0.00	100	0.1 0.0	2.86	7	1.75 1.22
12353.0	0.00	100	0.0 0.0	2.87	11	1.75 1.22
12354.0	0.00	100	0.0 0.0	2.87	20	1.75 1.22
12355.0	0.00	99	0.2 0.0	2.89	16	1.75 1.22
12356.0	0.00	68	0.6 0.0	2.87	18	1.75 1.22
12357.0	0.00	82	0.4 0.4	2.87	29	1.74 1.22
12358.0	0.00	100	0.1 0.1	2.87	36	1.74 1.22
12359.0	0.00	81	0.4 0.4	2.87	35	1.74 1.22
12360.0	0.00	67	0.5 0.5	2.87	40	1.73 1.22
12361.0	0.00	97	0.2 0.2	2.87	42	1.73 1.21
12362.0	0.00	100	0.0 0.0	2.84	31	1.73 1.21
12363.0	0.00	100	0.0 0.0	2.86	21	1.73 1.21
12364.0	0.00	100	0.0 0.0	2.91	22	1.73 1.21
12365.0	0.00	100	0.0 0.0	2.87	18	1.73 1.21
12366.0	0.00	100	0.0 0.0	2.86	17	1.73 1.21
12367.0	0.00	100	0.1 0.0	2.85	15	1.73 1.21
12368.0	0.00	100	0.0 0.0	2.83	20	1.73 1.21

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
12369.0	0.00	100	0.1	0.1	2.82	16	1.73	1.21
12370.0	0.00	100	0.0	0.0	2.83	20	1.73	1.21
12371.0	0.00	100	0.2	0.2	2.83	28	1.73	1.21
12372.0	0.00	100	0.0	0.0	2.81	31	1.72	1.21
12373.0	0.00	100	0.0	0.0	2.76	15	1.72	1.21
12374.0	0.00	8	1.9	1.9	2.73	1	1.72	1.21
12375.0	0.00	98	0.2	0.2	2.74	8	1.70	1.19
12376.0	0.00	100	0.0	0.0	2.72	22	1.70	1.19
12377.0	0.00	49	0.7	0.7	2.78	11	1.70	1.19
12378.0	0.00	100	0.4	0.0	2.79	0	1.69	1.19
12379.0	0.00	12	1.2	1.2	2.75	3	1.69	1.19
12380.0	0.00	68	0.5	0.5	2.76	6	1.68	1.18
12381.0	0.00	77	0.4	0.4	2.77	11	1.67	1.17
12382.0	0.00	100	0.0	0.0	2.77	12	1.67	1.17
12383.0	0.00	100	0.0	0.0	2.75	19	1.67	1.17
12384.0	0.00	100	0.0	0.0	2.72	22	1.67	1.17
12385.0	0.00	76	0.4	0.4	2.78	11	1.67	1.17
12386.0	0.00	100	0.0	0.0	2.82	2	1.66	1.17
12387.0	0.00	100	0.0	0.0	2.82	6	1.66	1.17
12388.0	0.00	42	0.8	0.0	2.78	0	1.66	1.17
12389.0	0.00	51	0.7	0.0	2.75	0	1.66	1.17
12390.0	0.00	100	0.0	0.0	2.70	12	1.64	1.16
12391.0	0.00	100	0.0	0.0	2.73	20	1.64	1.16
12392.0	0.00	100	0.0	0.0	2.76	31	1.64	1.16
12393.0	0.00	100	0.0	0.0	2.72	35	1.64	1.16
12394.0	0.00	100	0.0	0.0	2.69	32	1.64	1.16
12395.0	0.00	61	0.6	0.6	2.68	16	1.64	1.16
12396.0	0.00	21	0.9	0.9	2.70	12	1.63	1.15
12397.0	0.00	27	0.9	0.9	2.73	7	1.62	1.14
12398.0	0.00	100	0.2	0.2	2.73	6	1.61	1.13
12399.0	0.00	12	1.0	1.0	2.73	4	1.60	1.13
12400.0	0.00	8	1.8	1.8	2.72	7	1.59	1.12
12401.0	0.00	100	0.4	0.4	2.79	0	1.58	1.11
12402.0	0.00	100	0.0	0.0	2.83	0	1.57	1.11
12403.0	0.00	100	0.0	0.0	2.81	0	1.57	1.11
12404.0	0.00	100	0.5	0.5	2.76	0	1.57	1.11
12405.0	0.00	100	0.0	0.0	2.71	3	1.57	1.10
12406.0	0.00	78	0.5	0.5	2.70	7	1.56	1.10
12407.0	0.00	47	0.7	0.7	2.70	10	1.56	1.10
12408.0	0.00	100	0.0	0.0	2.73	15	1.56	1.10
12409.0	0.00	100	0.0	0.0	2.70	20	1.56	1.10
12410.0	0.00	100	0.0	0.0	2.66	24	1.56	1.10
12411.0	0.00	100	0.0	0.0	2.63	33	1.56	1.10
12412.0	0.00	100	0.0	0.0	2.64	34	1.56	1.10
12413.0	0.00	100	0.0	0.0	2.68	36	1.56	1.10
12414.0	0.00	100	0.0	0.0	2.66	36	1.56	1.10
12415.0	0.00	46	0.7	0.7	2.68	8	1.56	1.10
12416.0	0.00	8	1.8	1.8	2.73	2	1.55	1.09

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12417.0	0.00	100	0.4	0.4	2.79	0	1.53	1.08
12418.0	0.00	100	0.0	0.0	2.85	0	1.53	1.08
12419.0	0.00	100	0.0	0.0	2.80	0	1.53	1.08
12420.0	0.00	100	0.2	0.2	2.76	0	1.53	1.08
12421.0	0.00	100	0.0	0.0	2.78	0	1.53	1.08
12422.0	0.00	100	0.1	0.1	2.76	0	1.53	1.08
12423.0	0.00	46	0.7	0.5	2.76	0	1.53	1.08
12424.0	0.00	100	0.1	0.0	2.81	0	1.52	1.08
12425.0	0.00	100	0.1	0.0	2.83	0	1.52	1.08
12426.0	0.00	100	0.3	0.0	2.83	0	1.52	1.08
12427.0	0.00	21	0.9	0.3	2.84	0	1.52	1.08
12428.0	0.00	31	0.9	0.0	2.83	0	1.51	1.07
12429.0	0.00	100	0.0	0.0	2.84	0	1.50	1.06
12430.0	0.00	100	0.0	0.0	2.84	0	1.50	1.06
12431.0	0.00	100	0.4	0.0	2.81	0	1.50	1.06
12432.0	0.00	9	1.5	1.4	2.79	3	1.49	1.06
12433.0	0.00	9	1.4	1.0	2.76	3	1.48	1.04
12434.0	0.00	29	0.9	0.9	2.74	0	1.46	1.03
12435.0	0.00	12	1.2	1.2	2.74	3	1.45	1.03
12436.0	0.00	100	0.0	0.0	2.73	10	1.45	1.02
12437.0	0.00	100	0.0	0.0	2.75	9	1.45	1.02
12438.0	0.00	18	1.3	1.3	2.75	0	1.44	1.01
12439.0	0.00	50	0.8	0.8	2.72	0	1.43	1.01
12440.0	0.00	14	1.4	1.4	2.68	0	1.42	1.00
12441.0	0.00	100	0.0	0.0	2.66	0	1.40	0.99
12442.0	0.01	8	2.4	2.4	2.66	0	1.40	0.99
12443.0	0.01	7	2.5	2.5	2.67	0	1.38	0.96
12444.0	0.00	11	1.2	1.2	2.72	0	1.35	0.94
12445.0	0.00	100	0.4	0.4	2.77	0	1.34	0.93
12446.0	0.00	13	1.0	0.8	2.77	0	1.34	0.93
12447.0	0.00	11	1.2	0.6	2.76	0	1.33	0.92
12448.0	0.00	54	0.6	0.3	2.77	0	1.32	0.92
12449.0	0.00	53	0.7	0.3	2.77	0	1.31	0.91
12450.0	0.00	28	0.9	0.6	2.77	0	1.31	0.91
12451.0	0.00	11	1.1	1.1	2.75	5	1.30	0.90
12452.0	0.00	21	0.9	0.9	2.76	6	1.28	0.89
12453.0	0.00	11	1.1	1.1	2.76	6	1.27	0.88
12454.0	0.00	17	1.0	0.9	2.77	0	1.26	0.88
12455.0	0.00	100	0.5	0.3	2.75	0	1.26	0.87
12456.0	0.00	24	0.9	0.6	2.75	0	1.25	0.87
12457.0	0.00	11	1.5	1.5	2.74	6	1.24	0.86
12458.0	0.00	11	1.2	1.2	2.75	13	1.23	0.85
12459.0	0.00	10	1.1	1.1	2.77	12	1.22	0.84
12460.0	0.00	20	0.9	0.9	2.77	15	1.21	0.83
12461.0	0.00	96	0.3	0.3	2.81	9	1.20	0.83
12462.0	0.00	100	0.0	0.0	2.84	5	1.20	0.83
12463.0	0.00	100	0.0	0.0	2.84	5	1.20	0.83
12464.0	0.00	100	0.0	0.0	2.84	3	1.20	0.83

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
12465.0	0.00	100	0.0 0.0	2.85	0	1.20 0.83
12466.0	0.00	100	0.0 0.0	2.84	0	1.20 0.83
12467.0	0.00	100	0.4 0.4	2.79	2	1.20 0.83
12468.0	0.00	100	0.0 0.0	2.73	11	1.19 0.83
12469.0	0.00	100	0.0 0.0	2.70	18	1.19 0.83
12470.0	0.00	100	0.0 0.0	2.71	23	1.19 0.83
12471.0	0.00	100	0.0 0.0	2.78	17	1.19 0.83
12472.0	0.00	100	0.0 0.0	2.84	5	1.19 0.83
12473.0	0.00	100	0.0 0.0	2.85	0	1.19 0.83
12474.0	0.00	100	0.0 0.0	2.83	1	1.19 0.83
12475.0	0.00	100	0.4 0.0	2.79	4	1.19 0.83
12476.0	0.00	100	0.3 0.3	2.80	1	1.19 0.83
12477.0	0.00	63	0.7 0.7	2.77	0	1.18 0.83
12478.0	0.00	28	1.2 1.2	2.74	5	1.17 0.82
12479.0	0.00	46	0.9 0.0	2.76	9	1.16 0.81
12480.0	0.00	38	0.9 0.0	2.78	11	1.15 0.81
12481.0	0.00	31	0.9 0.9	2.78	9	1.14 0.80
12482.0	0.00	12	1.5 1.3	2.79	5	1.13 0.79
12483.0	0.00	31	0.9 0.0	2.81	4	1.12 0.78
12484.0	0.00	100	0.0 0.0	2.85	0	1.11 0.78
12485.0	0.00	100	0.0 0.0	2.84	0	1.11 0.78
12486.0	0.00	100	0.0 0.0	2.82	0	1.11 0.78
12487.0	0.00	100	0.0 0.0	2.82	0	1.11 0.78
12488.0	0.00	100	0.0 0.0	2.85	0	1.11 0.78
12489.0	0.00	100	0.0 0.0	2.88	0	1.11 0.78
12490.0	0.00	100	0.0 0.0	2.87	0	1.11 0.78
12491.0	0.00	100	0.0 0.0	2.85	0	1.11 0.78
12492.0	0.00	100	0.2 0.0	2.78	0	1.11 0.78
12493.0	0.00	24	1.0 1.0	2.75	0	1.11 0.77
12494.0	0.00	15	1.7 1.7	2.71	13	1.10 0.76
12495.0	0.00	100	0.0 0.0	2.70	35	1.09 0.76
12496.0	0.00	100	0.3 0.3	2.78	14	1.09 0.76
12497.0	0.00	27	1.2 1.1	2.79	4	1.08 0.76
12498.0	0.00	28	1.1 1.1	2.76	2	1.07 0.75
12499.0	0.00	100	0.4 0.4	2.79	1	1.06 0.74
12500.0	0.00	100	0.1 0.0	2.80	0	1.06 0.74
12501.0	0.00	100	0.0 0.0	2.79	0	1.06 0.74
12502.0	0.00	100	0.0 0.0	2.83	0	1.06 0.74
12503.0	0.00	100	0.0 0.0	2.84	0	1.06 0.74
12504.0	0.00	100	0.0 0.0	2.79	0	1.06 0.74
12505.0	0.00	43	0.7 0.0	2.78	0	1.06 0.74
12506.0	0.00	50	0.7 0.1	2.79	5	1.05 0.74
12507.0	0.00	47	0.7 0.7	2.77	7	1.04 0.74
12508.0	0.00	50	0.7 0.0	2.79	4	1.04 0.73
12509.0	0.00	53	0.7 0.0	2.81	0	1.03 0.73
12510.0	0.00	30	0.9 0.3	2.79	0	1.02 0.72
12511.0	0.00	100	0.2 0.0	2.80	0	1.02 0.72
12512.0	0.00	100	0.0 0.0	2.84	0	1.02 0.72

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12513.0	0.00	100	0.1	0.0	2.80	0	1.02	0.72
12514.0	0.00	51	0.7	0.5	2.78	2	1.01	0.72
12515.0	0.00	100	0.0	0.0	2.80	15	1.01	0.72
12516.0	0.00	99	0.2	0.1	2.81	24	1.01	0.72
12517.0	0.00	100	0.2	0.0	2.81	19	1.01	0.72
12518.0	0.00	100	0.0	0.0	2.78	17	1.01	0.72
12519.0	0.00	100	0.0	0.0	2.78	15	1.01	0.72
12520.0	0.00	99	0.2	0.2	2.80	7	1.00	0.72
12521.0	0.00	100	0.4	0.0	2.79	0	1.00	0.72
12522.0	0.00	100	0.0	0.0	2.81	0	1.00	0.72
12523.0	0.00	100	0.0	0.0	2.83	0	1.00	0.72
12524.0	0.00	100	0.0	0.0	2.83	0	1.00	0.72
12525.0	0.00	100	0.0	0.0	2.82	0	1.00	0.72
12526.0	0.00	100	0.0	0.0	2.84	0	1.00	0.72
12527.0	0.00	100	0.0	0.0	2.84	0	1.00	0.72
12528.0	0.00	100	0.1	0.0	2.80	0	1.00	0.72
12529.0	0.00	100	0.0	0.0	2.80	0	1.00	0.72
12530.0	0.00	100	0.0	0.0	2.83	0	1.00	0.72
12531.0	0.00	100	0.0	0.0	2.82	0	1.00	0.72
12532.0	0.00	100	0.1	0.0	2.80	0	1.00	0.72
12533.0	0.00	100	0.2	0.0	2.81	0	1.00	0.72
12534.0	0.00	100	0.1	0.0	2.81	3	0.99	0.72
12535.0	0.00	100	0.0	0.0	2.82	3	0.99	0.72
12536.0	0.00	100	0.0	0.0	2.86	8	0.99	0.72
12537.0	0.00	100	0.0	0.0	2.87	8	0.99	0.72
12538.0	0.00	100	0.0	0.0	2.91	6	0.99	0.72
12539.0	0.00	100	0.0	0.0	2.96	13	0.99	0.72
12540.0	0.00	100	0.0	0.0	2.93	19	0.99	0.72
12541.0	0.00	100	0.0	0.0	2.90	8	0.99	0.72
12542.0	0.00	100	0.0	0.0	2.85	1	0.99	0.72
12543.0	0.00	100	0.3	0.0	2.79	0	0.99	0.72
12544.0	0.00	100	0.1	0.0	2.80	0	0.99	0.72
12545.0	0.00	100	0.3	0.3	2.79	0	0.99	0.72
12546.0	0.00	77	0.6	0.6	2.78	7	0.98	0.72
12547.0	0.00	100	0.4	0.0	2.79	0	0.98	0.72
12548.0	0.00	100	0.0	0.0	2.80	0	0.98	0.72
12549.0	0.00	32	0.9	0.9	2.76	0	0.98	0.72
12550.0	0.00	100	0.2	0.2	2.75	11	0.97	0.71
12551.0	0.00	94	0.3	0.3	2.78	13	0.97	0.71
12552.0	0.00	91	0.4	0.4	2.80	11	0.96	0.71
12553.0	0.00	99	0.3	0.0	2.83	7	0.96	0.71
12554.0	0.00	100	0.0	0.0	2.85	7	0.96	0.71
12555.0	0.00	100	0.0	0.0	2.87	10	0.96	0.71
12556.0	0.00	100	0.0	0.0	2.89	7	0.96	0.71
12557.0	0.00	100	0.0	0.0	2.87	2	0.96	0.71
12558.0	0.00	100	0.0	0.0	2.86	9	0.96	0.71
12559.0	0.00	100	0.0	0.0	2.86	0	0.96	0.71
12560.0	0.00	100	0.0	0.0	2.84	0	0.96	0.71

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
12561.0	0.00	100	0.0	0.0	2.82	0	0.96	0.71
12562.0	0.00	100	0.0	0.0	2.84	0	0.96	0.71
12563.0	0.00	100	0.0	0.0	2.85	2	0.96	0.71
12564.0	0.00	100	0.0	0.0	2.85	0	0.96	0.71
12565.0	0.00	100	0.0	0.0	2.79	0	0.96	0.71
12566.0	0.00	100	0.1	0.1	2.77	0	0.96	0.71
12567.0	0.00	21	1.3	1.3	2.71	0	0.96	0.71
12568.0	0.00	100	0.1	0.1	2.66	14	0.94	0.70
12569.0	0.00	100	0.0	0.0	2.63	27	0.94	0.70
12570.0	0.00	100	0.0	0.0	2.69	7	0.94	0.70
12571.0	0.00	22	1.9	1.9	2.68	11	0.93	0.69
12572.0	0.00	25	1.4	1.4	2.70	13	0.92	0.68
12573.0	0.00	63	0.7	0.7	2.71	15	0.91	0.68
12574.0	0.00	33	0.9	0.9	2.70	15	0.90	0.67
12575.0	0.00	15	1.7	1.7	2.69	22	0.89	0.66
12576.0	0.00	73	0.5	0.5	2.70	24	0.88	0.65
12577.0	0.00	47	0.8	0.8	2.73	12	0.87	0.65
12578.0	0.03	9	3.2	1.9	2.76	4	0.86	0.65
12579.0	0.00	12	2.5	1.0	2.76	2	0.83	0.62
12580.0	0.00	100	0.1	0.0	2.82	3	0.81	0.60
12581.0	0.00	100	0.0	0.0	2.84	0	0.81	0.60
12582.0	0.00	100	0.0	0.0	2.83	3	0.81	0.60
12583.0	0.00	100	0.0	0.0	2.82	5	0.81	0.60
12584.0	0.00	100	0.1	0.1	2.82	14	0.81	0.60
12585.0	0.00	100	0.0	0.0	2.78	17	0.81	0.60
12586.0	0.00	100	0.0	0.0	2.80	19	0.81	0.60
12587.0	0.00	100	0.0	0.0	2.83	10	0.81	0.60
12588.0	0.00	100	0.4	0.3	2.81	4	0.81	0.60
12589.0	0.00	85	0.7	0.0	2.79	4	0.80	0.60
12590.0	0.00	76	0.8	0.6	2.77	10	0.80	0.60
12591.0	0.00	30	1.5	1.5	2.76	15	0.79	0.60
12592.0	0.00	100	0.0	0.0	2.74	22	0.78	0.59
12593.0	0.00	100	0.1	0.1	2.82	11	0.78	0.59
12594.0	0.00	100	0.0	0.0	2.87	0	0.78	0.59
12595.0	0.00	100	0.0	0.0	2.85	0	0.78	0.59
12596.0	0.00	100	0.0	0.0	2.83	0	0.78	0.59
12597.0	0.00	100	0.0	0.0	2.84	0	0.78	0.59
12598.0	0.00	100	0.0	0.0	2.84	0	0.78	0.59
12599.0	0.00	100	0.4	0.3	2.81	3	0.78	0.59
12600.0	0.00	61	0.6	0.6	2.81	2	0.77	0.59
12601.0	0.00	100	0.0	0.0	2.86	0	0.77	0.59
12602.0	0.00	100	0.0	0.0	2.91	2	0.77	0.59
12603.0	0.00	100	0.0	0.0	2.84	3	0.77	0.59
12604.0	0.00	100	0.0	0.0	2.84	5	0.77	0.59
12605.0	0.00	100	0.0	0.0	2.85	12	0.77	0.59
12606.0	0.00	100	0.0	0.0	2.83	19	0.77	0.59
12607.0	0.00	100	0.2	0.2	2.81	8	0.77	0.59
12608.0	0.00	100	0.0	0.0	2.83	0	0.77	0.59

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT JC-FT	
12609.0	0.00	100	0.0	0.0	2.85	0	0.77	0.59
12610.0	0.00	100	0.0	0.0	2.83	0	0.77	0.59
12611.0	0.00	100	0.0	0.0	2.83	0	0.77	0.59
12612.0	0.00	100	0.0	0.0	2.86	0	0.77	0.59
12613.0	0.00	100	0.0	0.0	2.87	0	0.77	0.59
12614.0	0.00	100	0.0	0.0	2.86	0	0.77	0.59
12615.0	0.00	100	0.0	0.0	2.88	0	0.77	0.59
12616.0	0.00	100	0.0	0.0	2.91	0	0.77	0.59
12617.0	0.00	100	0.0	0.0	2.91	1	0.77	0.59
12618.0	0.00	100	0.0	0.0	2.88	1	0.77	0.59
12619.0	0.00	100	0.0	0.0	2.82	0	0.77	0.59
12620.0	0.00	100	0.0	0.0	2.82	0	0.77	0.59
12621.0	0.00	100	0.0	0.0	2.81	0	0.77	0.59
12622.0	0.00	58	0.7	0.7	2.78	16	0.77	0.59
12623.0	0.00	100	0.0	0.0	2.71	39	0.76	0.59
12624.0	0.00	16	2.2	2.2	2.74	42	0.76	0.59
12625.0	0.00	100	0.0	0.0	2.89	28	0.75	0.58
12626.0	0.00	100	0.0	0.0	2.91	14	0.75	0.58
12627.0	0.00	100	0.0	0.0	2.92	6	0.75	0.58
12628.0	0.00	100	0.0	0.0	2.90	3	0.75	0.58
12629.0	0.00	100	0.0	0.0	2.89	7	0.75	0.58
12630.0	0.00	100	0.0	0.0	2.88	11	0.75	0.58
12631.0	0.00	100	0.0	0.0	2.89	9	0.75	0.58
12632.0	0.00	100	0.0	0.0	2.85	8	0.75	0.58
12633.0	0.00	100	0.0	0.0	2.82	7	0.75	0.58
12634.0	0.00	100	0.0	0.0	2.82	0	0.75	0.58
12635.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12636.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12637.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12638.0	0.00	100	0.0	0.0	2.88	0	0.75	0.58
12639.0	0.00	100	0.0	0.0	2.88	0	0.75	0.58
12640.0	0.00	100	0.0	0.0	2.87	0	0.75	0.58
12641.0	0.00	100	0.0	0.0	2.86	0	0.75	0.58
12642.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12643.0	0.00	100	0.0	0.0	2.83	0	0.75	0.58
12644.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12645.0	0.00	100	0.0	0.0	2.87	1	0.75	0.58
12646.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12647.0	0.00	100	0.0	0.0	2.85	0	0.75	0.58
12648.0	0.00	100	0.0	0.0	2.83	0	0.75	0.58
12649.0	0.00	100	0.0	0.0	2.83	0	0.75	0.58
12650.0	0.00	100	0.0	0.0	2.84	1	0.75	0.58
12651.0	0.00	100	0.0	0.0	2.85	3	0.75	0.58
12652.0	0.00	100	0.0	0.0	2.88	4	0.75	0.58
12653.0	0.00	100	0.0	0.0	2.86	8	0.75	0.58
12654.0	0.00	100	0.0	0.0	2.87	15	0.75	0.58
12655.0	0.00	100	0.0	0.0	2.90	11	0.75	0.58
12656.0	0.00	100	0.0	0.0	2.86	11	0.75	0.58

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12657.0	0.00	100	0.0	0.0	2.83	8	0.75	0.58
12658.0	0.00	100	0.0	0.0	2.83	15	0.75	0.58
12659.0	0.00	100	0.0	0.0	2.83	15	0.75	0.58
12660.0	0.00	93	0.3	0.3	2.80	10	0.75	0.58
12661.0	0.00	100	0.0	0.0	2.82	10	0.75	0.58
12662.0	0.00	100	0.0	0.0	2.87	19	0.75	0.58
12663.0	0.00	100	0.0	0.0	2.86	10	0.75	0.58
12664.0	0.00	100	0.0	0.0	2.86	5	0.74	0.58
12665.0	0.00	100	0.0	0.0	2.88	11	0.74	0.58
12666.0	0.00	100	0.0	0.0	2.88	10	0.74	0.58
12667.0	0.00	100	0.0	0.0	2.88	11	0.74	0.58
12668.0	0.00	100	0.0	0.0	2.91	11	0.74	0.58
12669.0	0.00	100	0.0	0.0	2.91	11	0.74	0.58
12670.0	0.00	100	0.0	0.0	2.90	6	0.74	0.58
12671.0	0.00	100	0.3	0.0	2.90	4	0.74	0.58
12672.0	0.00	18	1.2	1.2	2.91	11	0.74	0.58
12673.0	0.00	19	1.2	1.2	2.87	21	0.73	0.57
12674.0	0.00	100	0.0	0.0	2.83	28	0.72	0.56
12675.0	0.00	100	0.0	0.0	2.84	5	0.72	0.56
12676.0	0.00	100	0.0	0.0	2.86	0	0.72	0.56
12677.0	0.00	100	0.0	0.0	2.86	0	0.72	0.56
12678.0	0.00	100	0.0	0.0	2.87	0	0.72	0.56
12679.0	0.00	100	0.0	0.0	2.87	0	0.72	0.56
12680.0	0.00	100	0.0	0.0	2.87	0	0.72	0.56
12681.0	0.00	100	0.0	0.0	2.90	0	0.72	0.56
12682.0	0.00	100	0.0	0.0	2.88	0	0.72	0.56
12683.0	0.00	100	0.0	0.0	2.83	0	0.72	0.56
12684.0	0.00	100	0.1	0.1	2.82	0	0.72	0.56
12685.0	0.00	100	0.0	0.0	2.83	0	0.72	0.56
12686.0	0.00	100	0.0	0.0	2.86	0	0.72	0.56
12687.0	0.00	100	0.0	0.0	2.85	2	0.72	0.56
12688.0	0.00	100	0.0	0.0	2.85	6	0.72	0.56
12689.0	0.00	100	0.0	0.0	2.85	1	0.72	0.56
12690.0	0.00	100	0.0	0.0	2.86	3	0.72	0.56
12691.0	0.00	100	0.0	0.0	2.89	8	0.72	0.56
12692.0	0.00	100	0.0	0.0	2.86	9	0.72	0.56
12693.0	0.00	100	0.0	0.0	2.87	10	0.72	0.56
12694.0	0.00	100	0.0	0.0	2.87	12	0.72	0.56
12695.0	0.00	100	0.0	0.0	2.86	12	0.72	0.56
12696.0	0.00	100	0.0	0.0	2.85	12	0.72	0.56
12697.0	0.00	100	0.1	0.1	2.82	10	0.71	0.56
12698.0	0.00	100	0.0	0.0	2.83	6	0.71	0.56
12699.0	0.00	100	0.0	0.0	2.88	4	0.71	0.56
12700.0	0.00	100	0.0	0.0	2.87	3	0.71	0.56
12701.0	0.00	100	0.0	0.0	2.84	4	0.71	0.56
12702.0	0.00	100	0.4	0.2	2.82	6	0.71	0.56
12703.0	0.00	100	0.3	0.0	2.82	11	0.71	0.56
12704.0	0.00	100	0.1	0.0	2.83	13	0.71	0.56

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
12705.0	0.00	100	0.2	0.2	2.82	14	0.70	0.56
12706.0	0.00	100	0.1	0.1	2.84	14	0.70	0.56
12707.0	0.00	73	0.6	0.0	2.84	9	0.70	0.56
12708.0	0.00	34	1.1	0.0	2.83	1	0.69	0.56
12709.0	0.00	81	0.7	0.0	2.83	3	0.68	0.55
12710.0	0.00	100	0.4	0.0	2.84	4	0.68	0.55
12711.0	0.00	100	0.1	0.0	2.84	7	0.67	0.55
12712.0	0.00	100	0.4	0.4	2.82	13	0.67	0.55
12713.0	0.00	100	0.3	0.3	2.82	17	0.67	0.55
12714.0	0.00	25	1.1	1.1	2.79	13	0.66	0.55
12715.0	0.00	16	1.2	1.2	2.80	11	0.65	0.54
12716.0	0.00	49	0.7	0.5	2.84	6	0.64	0.53
12717.0	0.00	52	0.7	0.5	2.85	8	0.63	0.53
12718.0	0.00	16	1.1	1.1	2.84	10	0.63	0.52
12719.0	0.00	38	0.8	0.8	2.85	11	0.62	0.51
12720.0	0.00	60	0.7	0.0	2.85	9	0.61	0.51
12721.0	0.00	100	0.3	0.0	2.85	6	0.60	0.51
12722.0	0.00	100	0.0	0.0	2.89	6	0.60	0.51
12723.0	0.00	100	0.2	0.0	2.89	5	0.60	0.51
12724.0	0.00	100	0.3	0.0	2.87	5	0.60	0.51
12725.0	0.00	55	0.7	0.0	2.86	4	0.59	0.51
12726.0	0.00	35	0.9	0.0	2.85	4	0.59	0.50
12727.0	0.00	44	0.9	0.0	2.85	2	0.58	0.50
12728.0	0.00	100	0.3	0.0	2.88	3	0.57	0.50
12729.0	0.00	100	0.1	0.0	2.88	3	0.57	0.50
12730.0	0.00	83	0.6	0.0	2.82	1	0.56	0.50
12731.0	0.00	49	0.9	0.0	2.81	5	0.56	0.49
12732.0	0.00	62	0.8	0.0	2.82	8	0.55	0.49
12733.0	0.00	18	1.4	0.0	2.82	7	0.54	0.48
12734.0	0.00	10	2.1	0.0	2.82	10	0.52	0.47
12735.0	0.00	13	1.6	0.0	2.83	9	0.51	0.45
12736.0	0.00	28	1.0	0.0	2.85	14	0.49	0.44
12737.0	0.00	41	0.9	0.0	2.85	16	0.48	0.44
12738.0	0.00	33	1.1	0.0	2.82	18	0.47	0.43
12739.0	0.00	28	1.0	0.0	2.82	22	0.46	0.42
12740.0	0.00	12	1.9	0.0	2.81	22	0.45	0.41
12741.0	0.73	7	4.9	0.0	2.80	11	0.42	0.39
12742.0	19.10	6	8.1	1.9	2.79	5	0.37	0.34
12743.0	73.46	5	10.0	4.5	2.74	3	0.28	0.26
12744.0	185.10	5	11.3	8.0	2.71	6	0.18	0.16
12745.0	0.76	6	4.9	1.5	2.74	7	0.08	0.06
12746.0	0.00	13	1.8	1.4	2.78	10	0.04	0.03
12747.0	0.00	11	1.8	1.8	2.78	16	0.02	0.01
12748.0	0.00	76	0.4	0.4	2.79	27	0.01	0.00
12749.0	0.00	83	0.4	0.4	2.80	26	0.00	0.00
12750.0	0.00	100	0.1	0.1	2.82	29	0.00	0.00