
* CORIBAND *

* SCHLUMBERGER *

COMPANY PHILLIPS PETROLEUM CO.
WELL EVGSAU 3328 NO. 002
FIELD VACUUM GRAYBURG SAN ANDRES
COUNTY LEA
STATE NEW MEXICO
DATE 4-JUNE-79
COMPUTED AT:- PERMIAN BASIN COMPUTING CENTER

THIS JOB IS LISTED FROM TOP TO BOTTOM
THIS IS A 01 FOOT LISTING
LISTING IS DISCRIMINATED FOR VSH>50%
LISTING IS DISCRIMINATED FOR PHI<1.9%
PERMEABILITY = (62500(PHI**6))/(SW**2) [10%<SW<50%]

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4000.0	0.00	100	3.9 0.0	2.74	0	58.30 32.87
4001.0	0.00	99	5.0 0.0	2.76	0	58.26 32.87
4002.0	0.00	100	5.0 0.0	2.74	0	58.21 32.87
4003.0	0.00	100	5.2 0.0	2.71	0	58.16 32.87
4004.0	0.00	100	4.9 0.0	2.71	0	58.11 32.87
4005.0	0.01	100	5.7 0.0	2.71	0	58.06 32.87
4006.0	0.01	100	6.1 0.0	2.71	0	58.00 32.87
4007.0	0.03	98	7.0 0.0	2.70	0	57.94 32.87
4008.0	0.02	92	6.4 0.0	2.69	0	57.87 32.87
4009.0	0.00	100	2.6 0.0	2.71	0	57.81 32.87
4012.0	0.00	100	2.3 0.0	2.82	0	57.79 32.87
4032.0	0.00	100	2.6 0.0	2.73	0	57.76 32.87
4033.0	0.00	100	2.5 0.0	2.71	0	57.73 32.87
4035.0	0.00	100	3.4 0.0	2.73	0	57.69 32.87
4036.0	0.00	100	5.2 0.0	2.73	0	57.65 32.87
4037.0	0.00	100	4.4 0.0	2.72	0	57.60 32.87
4038.0	0.00	100	4.4 0.0	2.72	0	57.56 32.87
4041.0	0.00	100	3.0 0.0	2.78	0	57.48 32.87
4066.0	0.00	100	2.3 0.0	2.69	0	57.42 32.87
4067.0	0.00	100	2.2 0.0	2.69	0	57.39 32.87
4068.0	0.00	100	2.3 0.0	2.69	0	57.37 32.87
4069.0	0.00	100	2.9 0.0	2.72	0	57.35 32.87
4070.0	0.01	100	6.2 0.0	2.73	0	57.31 32.87
4071.0	0.00	100	4.6 0.0	2.76	14	57.26 32.87
4099.0	0.00	100	2.7 0.0	2.74	0	57.14 32.87
4109.0	0.00	100	2.6 0.0	2.81	0	57.09 32.87
4110.0	0.00	100	3.1 0.0	2.78	0	57.07 32.87
4111.0	0.00	100	2.7 0.0	2.78	0	57.03 32.87
4164.0	0.00	100	2.5 0.0	2.78	0	56.91 32.86
4165.0	0.00	100	2.8 0.0	2.80	1	56.88 32.86
4169.0	0.00	94	2.1 0.1	2.77	2	56.84 32.86
4180.0	0.00	100	4.8 0.8	2.77	2	56.77 32.86
4219.0	0.00	24	2.5 0.0	2.82	0	56.68 32.85
4220.0	0.00	26	3.7 0.2	2.78	0	56.65 32.83
4221.0	0.01	67	5.7 0.4	2.80	0	56.61 32.80
4222.0	0.02	85	6.5 0.0	2.80	2	56.55 32.78
4223.0	0.02	87	6.6 0.0	2.79	7	56.48 32.77

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4224.0	0.00	100	2.8	0.0	2.78	12	56.42	32.77
4225.0	0.00	52	4.2	0.0	2.79	4	56.40	32.77
4226.0	0.10	18	6.1	0.8	2.81	0	56.35	32.73
4227.0	0.17	21	7.0	0.4	2.79	0	56.28	32.68
4228.0	0.69	19	8.7	0.7	2.71	0	56.21	32.62
4229.0	3.35	20	11.5	0.0	2.70	0	56.11	32.55
4230.0	3.54	24	12.3	0.0	2.70	0	55.99	32.45
4231.0	3.21	23	11.8	0.0	2.72	0	55.87	32.36
4232.0	0.83	23	9.4	0.0	2.75	4	55.76	32.27
4233.0	0.13	32	7.8	0.0	2.77	6	55.67	32.21
4234.0	0.93	27	10.2	0.0	2.79	2	55.59	32.15
4235.0	0.52	25	9.0	0.0	2.80	3	55.48	32.07
4236.0	0.38	23	8.3	0.0	2.83	3	55.40	32.01
4237.0	0.08	27	6.7	0.0	2.83	2	55.32	31.95
4238.0	0.01	30	5.0	0.0	2.81	1	55.25	31.90
4239.0	0.04	17	5.3	0.0	2.79	0	55.20	31.86
4240.0	0.00	40	4.5	0.0	2.78	1	55.15	31.82
4242.0	0.00	50	2.1	0.0	2.82	0	55.09	31.79
4243.0	0.00	52	2.3	0.0	2.84	0	55.07	31.78
4247.0	0.00	54	3.5	0.0	2.82	2	55.01	31.77
4248.0	0.00	62	3.6	0.0	2.82	4	54.97	31.75
4249.0	0.00	100	2.6	0.0	2.83	6	54.94	31.74
4250.0	0.00	100	3.0	0.0	2.85	2	54.92	31.74
4251.0	0.00	100	2.2	0.0	2.81	0	54.89	31.74
4253.0	0.00	29	2.0	0.0	2.80	0	54.86	31.73
4254.0	0.00	39	2.5	0.0	2.81	0	54.83	31.72
4255.0	0.00	32	3.0	0.0	2.83	0	54.81	31.70
4256.0	0.02	15	4.5	0.0	2.83	0	54.77	31.67
4257.0	0.05	13	5.0	0.0	2.83	0	54.73	31.64
4258.0	0.12	12	5.6	0.1	2.83	0	54.68	31.59
4259.0	0.04	14	4.9	0.0	2.85	0	54.62	31.54
4260.0	0.00	19	3.3	0.0	2.84	0	54.57	31.50
4261.0	0.00	21	2.0	0.0	2.82	0	54.54	31.48
4262.0	0.00	24	2.1	0.0	2.80	0	54.52	31.46
4263.0	0.00	44	2.1	0.0	2.80	0	54.50	31.45
4264.0	0.00	45	4.4	0.0	2.81	2	54.48	31.44
4265.0	0.09	36	7.6	0.0	2.82	1	54.43	31.41
4266.0	0.03	40	6.6	0.0	2.80	2	54.35	31.36
4267.0	0.02	37	6.0	0.0	2.80	2	54.29	31.33
4268.0	0.11	29	7.4	0.0	2.78	0	54.23	31.29
4269.0	0.35	26	8.6	0.0	2.79	1	54.15	31.23
4270.0	0.02	36	6.0	0.0	2.79	4	54.07	31.17
4271.0	0.04	29	6.3	0.0	2.79	2	54.01	31.13
4272.0	0.25	28	8.2	0.0	2.78	0	53.94	31.09
4273.0	1.13	25	10.3	0.0	2.76	0	53.85	31.02

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4274.0	0.95	25	10.0 0.0	2.74	0	53.75 30.94
4275.0	1.34	23	10.2 0.0	2.75	0	53.65 30.87
4276.0	1.16	23	10.0 0.0	2.74	1	53.55 30.79
4277.0	9.25	17	12.8 0.0	2.72	0	53.44 30.71
4278.0	23.62	16	14.8 0.0	2.72	0	53.31 30.60
4279.0	25.21	17	15.1 0.0	2.75	0	53.16 30.47
4280.0	10.88	18	13.5 0.0	2.79	1	53.01 30.35
4281.0	0.22	24	7.7 0.0	2.80	3	52.89 30.26
4282.0	0.00	30	3.9 0.0	2.80	0	52.83 30.21
4283.0	0.00	74	1.9 0.0	2.81	0	52.79 30.19
4285.0	0.00	63	3.5 0.0	2.81	0	52.75 30.18
4286.0	0.00	41	3.7 0.0	2.81	0	52.72 30.17
4287.0	0.00	26	2.3 0.0	2.83	0	52.68 30.14
4288.0	0.00	26	1.9 0.0	2.84	0	52.66 30.13
4290.0	0.01	20	3.9 0.0	2.80	0	52.62 30.10
4291.0	0.08	21	6.3 0.0	2.79	0	52.58 30.06
4292.0	0.20	24	7.6 0.0	2.76	0	52.51 30.01
4293.0	0.30	29	8.6 0.0	2.77	0	52.43 29.95
4294.0	0.07	41	7.7 0.0	2.80	4	52.35 29.90
4295.0	0.00	99	2.1 0.0	2.81	12	52.28 29.86
4296.0	0.00	100	2.4 0.0	2.83	0	52.26 29.86
4298.0	0.00	36	2.1 0.0	2.81	0	52.23 29.86
4299.0	0.03	13	4.4 0.0	2.81	0	52.20 29.84
4300.0	0.05	16	5.2 0.0	2.82	0	52.15 29.80
4301.0	0.00	20	3.3 0.0	2.81	0	52.10 29.76
4302.0	0.00	34	2.5 0.0	2.80	0	52.07 29.74
4303.0	0.03	24	5.4 0.0	2.79	0	52.04 29.72
4304.0	0.27	22	7.7 0.0	2.79	0	51.98 29.67
4305.0	0.05	37	6.9 0.0	2.81	1	51.91 29.61
4306.0	0.00	92	3.3 0.0	2.81	5	51.84 29.58
4307.0	0.00	98	2.1 0.0	2.82	2	51.82 29.58
4308.0	0.00	25	3.4 0.0	2.82	0	51.79 29.57
4309.0	0.00	40	2.9 0.0	2.80	0	51.76 29.54
4310.0	0.00	68	2.9 0.0	2.81	2	51.73 29.53
4311.0	0.00	85	3.8 0.0	2.79	7	51.70 29.52
4312.0	0.06	47	7.8 0.0	2.77	4	51.66 29.51
4313.0	2.80	26	12.1 0.0	2.79	0	51.57 29.46
4314.0	2.98	21	11.5 0.0	2.79	0	51.44 29.37
4315.0	0.60	23	9.0 0.0	2.80	0	51.33 29.28
4316.0	0.12	32	7.7 0.0	2.81	0	51.25 29.22
4317.0	0.94	23	9.7 2.4	2.83	0	51.17 29.16
4318.0	3.80	17	11.0 2.7	2.86	0	51.06 29.08
4319.0	0.71	19	8.6 0.6	2.85	0	50.96 28.99
4320.0	0.03	29	6.1 0.0	2.81	0	50.88 28.93
4321.0	0.02	40	6.4 0.0	2.81	0	50.82 28.89

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4322.0	0.02	67	6.4	0.5	2.87	5	50.74	28.85
4323.0	0.00	100	4.0	0.0	2.82	0	50.69	28.84
4324.0	0.00	56	4.5	0.0	2.83	4	50.66	28.84
4325.0	0.02	47	6.4	0.0	2.83	0	50.60	28.81
4326.0	0.06	45	7.6	0.0	2.80	0	50.54	28.78
4327.0	0.90	32	10.7	0.0	2.77	0	50.46	28.73
4328.0	5.53	23	13.0	0.7	2.80	0	50.34	28.64
4329.0	14.13	18	14.1	3.5	2.84	0	50.21	28.54
4330.0	13.55	16	13.4	4.3	2.85	0	50.06	28.42
4331.0	0.73	24	9.4	1.0	2.83	0	49.94	28.32
4332.0	0.07	31	6.9	0.1	2.81	0	49.85	28.26
4333.0	0.01	32	4.9	0.0	2.81	0	49.79	28.22
4334.0	0.01	25	4.9	0.3	2.80	0	49.74	28.18
4335.0	0.11	19	6.4	1.7	2.79	0	49.69	28.14
4336.0	1.37	12	8.4	2.8	2.82	0	49.62	28.09
4337.0	5.77	11	10.3	2.6	2.83	0	49.53	28.01
4338.0	12.59	11	11.7	1.8	2.83	0	49.43	27.91
4339.0	11.22	11	11.6	1.9	2.83	0	49.31	27.81
4340.0	13.62	12	12.2	2.0	2.84	0	49.19	27.71
4341.0	6.27	12	10.7	1.5	2.84	0	49.07	27.60
4342.0	0.20	19	7.1	0.0	2.79	0	48.97	27.52
4343.0	0.04	36	6.6	0.0	2.80	0	48.91	27.47
4344.0	0.33	36	9.4	1.1	2.83	0	48.84	27.42
4345.0	7.17	22	13.5	4.5	2.86	0	48.73	27.35
4346.0	2.73	22	11.4	3.8	2.86	0	48.60	27.25
4347.0	0.03	40	6.7	1.8	2.83	0	48.50	27.17
4348.0	0.00	100	2.0	0.0	2.81	0	48.44	27.14
4350.0	0.00	73	2.3	0.0	2.80	1	48.41	27.14
4351.0	0.00	45	3.3	0.0	2.80	0	48.39	27.13
4352.0	0.00	50	2.9	0.0	2.80	1	48.36	27.12
4353.0	0.00	50	3.3	0.0	2.80	1	48.33	27.10
4354.0	0.00	60	4.1	0.0	2.81	4	48.29	27.08
4355.0	0.00	100	2.1	0.0	2.80	0	48.25	27.07
4359.0	0.00	80	2.9	0.8	2.81	3	48.22	27.07
4360.0	0.00	38	3.7	0.1	2.79	1	48.18	27.06
4363.0	0.00	52	2.7	0.0	2.86	1	48.14	27.04
4364.0	0.00	32	4.4	0.0	2.84	2	48.10	27.02
4365.0	0.00	53	2.0	0.0	2.81	0	48.07	26.99
4366.0	0.00	30	3.6	0.0	2.80	0	48.04	26.98
4367.0	0.09	23	6.5	0.3	2.77	0	48.00	26.95
4368.0	2.54	22	11.3	1.7	2.79	0	47.93	26.89
4369.0	0.14	32	7.9	0.0	2.80	4	47.81	26.81
4370.0	0.00	99	2.3	0.0	2.81	4	47.75	26.77
4371.0	0.00	97	2.5	0.0	2.81	0	47.73	26.77
4376.0	0.00	50	3.8	0.3	2.79	1	47.66	26.76

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4377.0	0.01	47	6.1 0.0	2.79	0	47.61 26.74
4378.0	0.08	40	7.8 0.6	2.78	0	47.55 26.70
4379.0	1.09	25	10.2 2.0	2.81	0	47.46 26.65
4380.0	0.53	28	9.4 0.0	2.81	0	47.36 26.57
4381.0	0.36	28	8.8 0.0	2.79	0	47.27 26.51
4382.0	0.37	29	9.0 0.0	2.78	0	47.18 26.45
4383.0	3.53	23	12.1 0.5	2.78	0	47.09 26.38
4384.0	5.92	21	12.8 0.3	2.76	0	46.96 26.28
4385.0	5.13	20	12.4 0.0	2.76	0	46.83 26.18
4386.0	10.65	20	13.9 0.3	2.77	0	46.71 26.08
4387.0	17.80	20	15.2 0.7	2.79	0	46.56 25.96
4388.0	9.75	20	13.7 0.7	2.82	0	46.42 25.85
4389.0	6.28	20	12.7 1.8	2.85	0	46.28 25.74
4390.0	3.37	20	11.4 2.5	2.84	0	46.16 25.64
4391.0	8.23	18	12.8 3.3	2.85	0	46.04 25.55
4392.0	4.90	19	11.9 1.6	2.82	0	45.91 25.45
4393.0	0.75	24	9.5 0.1	2.81	0	45.80 25.36
4394.0	0.91	26	10.1 0.9	2.84	0	45.70 25.28
4395.0	0.14	34	8.1 0.0	2.82	0	45.61 25.21
4396.0	0.37	37	9.7 0.5	2.76	0	45.53 25.16
4397.0	12.16	26	15.5 2.2	2.76	0	45.41 25.09
4398.0	8.54	27	14.8 0.0	2.75	0	45.26 24.97
4399.0	11.15	28	15.5 0.0	2.76	0	45.11 24.86
4400.0	9.30	27	15.0 0.0	2.83	0	44.95 24.75
4401.0	0.19	36	8.6 0.0	2.84	6	44.81 24.65
4402.0	0.04	39	6.7 0.2	2.81	4	44.74 24.61
4403.0	0.57	25	9.2 2.3	2.81	0	44.67 24.56
4404.0	0.95	20	9.2 3.0	2.84	0	44.57 24.49
4405.0	0.93	19	9.1 2.6	2.83	0	44.48 24.42
4406.0	1.68	19	10.1 2.0	2.83	0	44.39 24.34
4407.0	1.10	22	9.9 2.3	2.79	0	44.29 24.26
4408.0	3.98	24	12.5 3.1	2.79	0	44.19 24.18
4409.0	7.59	25	14.1 2.6	2.83	0	44.05 24.08
4410.0	0.62	37	10.6 1.1	2.85	2	43.92 23.98
4411.0	0.00	100	3.3 0.1	2.85	9	43.83 23.93
4412.0	0.00	100	2.4 0.0	2.83	0	43.79 23.93
4413.0	0.00	100	2.9 0.0	2.83	7	43.77 23.93
4414.0	0.04	53	7.3 1.7	2.84	1	43.72 23.92
4415.0	0.06	30	6.7 2.2	2.81	0	43.65 23.89
4416.0	0.22	22	7.5 2.2	2.83	0	43.58 23.84
4417.0	0.04	38	6.7 1.2	2.82	0	43.51 23.78
4418.0	0.01	58	5.2 0.0	2.82	3	43.45 23.75
4419.0	0.03	57	6.8 0.0	2.84	3	43.40 23.73
4420.0	0.05	50	7.5 0.0	2.84	2	43.32 23.70
4421.0	0.00	56	4.1 0.0	2.81	3	43.25 23.66
4422.0	0.00	42	3.3 0.0	2.81	0	43.22 23.64
4423.0	0.00	26	3.9 0.0	2.81	0	43.18 23.62
4424.0	0.31	19	7.5 2.5	2.82	0	43.14 23.59

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4425.0	0.47	19	8.1	2.2	2.83	0	43.05	23.52
4426.0	0.02	24	5.0	0.4	2.82	0	42.98	23.46
4427.0	0.00	56	3.9	0.0	2.81	0	42.94	23.43
4428.0	0.03	47	6.8	1.2	2.83	0	42.89	23.41
4429.0	0.27	34	9.0	1.1	2.83	0	42.82	23.37
4430.0	0.55	27	9.3	1.8	2.81	0	42.72	23.31
4431.0	0.80	25	9.7	2.7	2.82	0	42.63	23.24
4432.0	0.33	26	8.5	1.2	2.82	0	42.54	23.17
4433.0	0.08	29	7.0	0.0	2.79	0	42.46	23.11
4434.0	0.05	40	7.1	0.0	2.79	0	42.39	23.07
4435.0	0.03	57	6.9	0.0	2.81	4	42.31	23.03
4436.0	0.01	74	6.0	0.0	2.85	7	42.25	23.00
4437.0	0.00	74	4.6	0.8	2.86	8	42.19	22.99
4438.0	0.00	98	3.0	0.0	2.83	1	42.16	22.98
4439.0	0.00	100	3.0	0.0	2.83	0	42.13	22.98
4440.0	0.00	100	3.8	0.0	2.82	6	42.10	22.98
4441.0	0.05	52	7.6	0.0	2.83	1	42.04	22.97
4442.0	0.05	53	7.5	0.0	2.84	3	41.97	22.93
4443.0	0.00	93	4.4	0.0	2.85	6	41.90	22.90
4447.0	0.24	14	6.6	0.0	2.81	0	41.86	22.90
4448.0	22.59	10	12.6	1.4	2.77	0	41.77	22.82
4449.0	53.57	9	14.3	1.8	2.78	0	41.64	22.71
4450.0	33.19	9	13.2	0.9	2.78	0	41.50	22.57
4451.0	6.50	11	10.5	0.0	2.79	0	41.37	22.46
4452.0	2.40	12	9.1	0.0	2.84	0	41.27	22.37
4453.0	0.18	16	6.6	0.0	2.84	0	41.19	22.30
4454.0	0.58	17	8.1	0.9	2.85	0	41.12	22.24
4455.0	1.30	15	8.9	2.4	2.86	0	41.04	22.17
4456.0	0.11	19	6.3	0.5	2.84	0	40.96	22.11
4457.0	0.07	18	5.8	0.8	2.83	0	40.90	22.06
4458.0	0.04	14	4.9	0.3	2.82	0	40.84	22.01
4459.0	0.01	16	4.0	0.0	2.83	0	40.79	21.97
4460.0	0.22	11	6.0	0.0	2.82	0	40.75	21.93
4461.0	3.65	8	9.1	0.5	2.83	0	40.68	21.87
4462.0	4.57	8	9.5	1.0	2.85	0	40.59	21.79
4463.0	7.26	8	10.3	2.2	2.82	0	40.49	21.70
4464.0	13.51	8	11.4	1.5	2.82	0	40.39	21.60
4465.0	34.36	7	13.3	2.4	2.85	0	40.27	21.50
4466.0	43.96	7	13.8	4.1	2.87	0	40.13	21.37
4467.0	17.15	7	11.8	2.1	2.86	0	40.00	21.25
4468.0	17.04	8	11.8	3.1	2.87	0	39.88	21.14
4469.0	0.93	10	7.4	0.1	2.83	0	39.77	21.04
4470.0	1.86	11	8.5	1.6	2.84	0	39.70	20.97
4471.0	0.37	12	6.6	0.0	2.86	0	39.61	20.90
4472.0	0.00	20	2.8	0.0	2.87	0	39.56	20.85
4473.0	0.00	15	3.4	0.0	2.83	0	39.53	20.83
4474.0	10.13	10	11.0	1.2	2.81	0	39.49	20.79

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4475.0	185.46	9	17.6	4.0	2.87	0	39.35	20.67
4476.0	7.70	9	10.4	0.0	2.86	0	39.19	20.52
4477.0	0.02	14	4.2	0.0	2.83	0	39.10	20.44
4478.0	0.00	15	3.2	0.0	2.82	0	39.07	20.41
4479.0	0.14	13	5.9	0.0	2.79	0	39.03	20.38
4480.0	3.26	10	9.1	1.9	2.81	0	38.96	20.32
4481.0	2.42	11	8.8	0.4	2.84	0	38.87	20.24
4482.0	1.14	10	7.7	0.4	2.82	0	38.78	20.16
4483.0	0.14	10	5.5	0.0	2.79	0	38.71	20.10
4484.0	0.11	13	5.6	0.0	2.81	0	38.66	20.05
4485.0	0.25	13	6.5	0.0	2.82	0	38.60	20.00
4486.0	4.42	11	9.8	1.9	2.86	0	38.53	19.94
4487.0	0.26	14	6.7	0.0	2.84	0	38.44	19.86
4488.0	0.00	17	3.4	0.0	2.82	0	38.38	19.81
4489.0	0.05	12	4.8	0.0	2.85	0	38.34	19.78
4490.0	0.57	12	7.3	0.0	2.84	0	38.29	19.73
4491.0	70.98	8	15.0	2.8	2.86	0	38.20	19.65
4492.0	161.54	8	17.2	4.9	2.87	0	38.04	19.50
4493.0	5.01	9	9.6	0.5	2.86	0	37.88	19.36
4494.0	0.00	14	2.7	0.0	2.82	0	37.81	19.29
4495.0	0.10	10	5.1	0.0	2.78	0	37.78	19.27
4496.0	4.41	8	9.4	3.1	2.84	0	37.71	19.20
4497.0	3.32	8	9.0	2.9	2.80	0	37.61	19.12
4498.0	10.49	6	10.9	2.0	2.75	0	37.53	19.04
4499.0	106.61	6	16.0	5.3	2.80	0	37.40	18.92
4500.0	125.03	6	16.5	5.4	2.84	0	37.24	18.77
4501.0	106.61	6	16.0	5.3	2.87	0	37.07	18.61
4502.0	15.42	8	11.6	3.6	2.84	0	36.92	18.47
4503.0	0.41	11	6.7	0.3	2.81	0	36.82	18.38
4504.0	5.93	9	9.9	2.0	2.79	0	36.75	18.32
4505.0	4.51	10	9.7	3.2	2.85	0	36.64	18.22
4506.0	0.03	17	5.0	1.6	2.84	0	36.56	18.15
4507.0	0.15	11	5.7	0.0	2.82	0	36.50	18.10
4508.0	3.56	10	9.2	1.3	2.85	0	36.44	18.05
4509.0	8.98	10	10.7	3.4	2.84	0	36.34	17.95
4510.0	1.52	9	7.9	1.0	2.80	0	36.24	17.87
4511.0	20.56	8	12.2	2.3	2.82	0	36.16	17.79
4512.0	267.23	7	18.7	5.4	2.87	0	36.02	17.66
4513.0	495.70	6	20.7	6.8	2.88	0	35.82	17.48
4514.0	8.86	6	10.6	1.6	2.86	0	35.63	17.30
4515.0	0.01	9	3.6	0.0	2.81	0	35.55	17.22
4516.0	0.10	12	5.4	1.8	2.78	0	35.51	17.19
4517.0	37.61	8	13.5	4.5	2.80	0	35.44	17.13
4518.0	253.59	7	18.5	3.1	2.78	0	35.28	16.98
4519.0	536.04	7	21.0	2.6	2.84	0	35.09	16.80
4520.0	508.90	7	20.8	1.9	2.86	0	34.88	16.61
4521.0	352.12	7	19.6	3.0	2.87	0	34.68	16.43
4522.0	536.04	6	21.0	6.3	2.88	0	34.48	16.24

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4523.0	2.07	9	8.3	0.0	2.82	0	34.30	16.07
4524.0	0.01	12	3.8	0.0	2.83	0	34.24	16.01
4525.0	0.01	12	3.7	0.0	2.82	0	34.20	15.98
4526.0	0.00	13	3.1	0.0	2.79	0	34.16	15.95
4527.0	0.01	9	3.3	0.0	2.81	0	34.13	15.92
4528.0	0.68	8	6.9	0.0	2.84	0	34.09	15.88
4529.0	1.32	8	7.7	0.0	2.84	0	34.01	15.81
4530.0	0.49	9	6.5	0.0	2.81	0	33.94	15.75
4531.0	0.61	10	6.8	0.0	2.82	0	33.88	15.69
4532.0	0.02	15	4.6	0.0	2.84	0	33.81	15.63
4533.0	0.03	12	4.6	0.0	2.85	0	33.77	15.60
4534.0	0.09	11	5.2	0.0	2.82	0	33.72	15.55
4535.0	0.24	9	5.8	0.0	2.81	0	33.67	15.51
4536.0	11.37	6	11.0	2.4	2.83	0	33.60	15.45
4537.0	50.76	7	14.2	2.2	2.85	0	33.48	15.33
4538.0	48.04	7	14.0	1.9	2.84	0	33.34	15.20
4539.0	34.96	7	13.3	1.6	2.84	0	33.20	15.08
4540.0	42.01	7	13.7	2.6	2.84	0	33.07	14.96
4541.0	62.26	7	14.7	3.6	2.87	0	32.93	14.83
4542.0	2.49	10	8.7	0.0	2.83	0	32.80	14.70
4543.0	4.08	11	9.7	0.0	2.84	0	32.72	14.63
4544.0	2.01	13	9.1	1.2	2.85	1	32.61	14.54
4545.0	0.01	23	4.3	0.0	2.82	0	32.54	14.48
4546.0	0.00	20	3.7	0.0	2.80	0	32.50	14.45
4547.0	0.03	18	4.9	0.2	2.83	0	32.46	14.41
4548.0	0.00	37	2.6	0.0	2.81	0	32.41	14.38
4552.0	0.45	15	7.4	1.7	2.79	0	32.35	14.35
4553.0	24.74	11	13.3	4.4	2.83	0	32.27	14.28
4554.0	4.87	13	10.7	3.5	2.82	0	32.14	14.17
4555.0	5.31	10	10.0	0.0	2.85	0	32.04	14.09
4556.0	1.01	11	7.7	0.0	2.85	0	31.95	14.00
4557.0	0.14	12	5.7	0.0	2.83	0	31.88	13.94
4558.0	0.13	10	5.4	0.0	2.83	0	31.82	13.89
4559.0	1.74	10	8.2	0.0	2.86	0	31.77	13.84
4560.0	16.84	9	11.8	2.1	2.87	0	31.67	13.76
4561.0	13.45	10	11.4	2.5	2.84	0	31.55	13.65
4562.0	9.64	11	11.3	3.1	2.83	0	31.44	13.55
4563.0	5.69	13	10.9	3.3	2.82	0	31.33	13.45
4564.0	0.31	19	7.5	2.5	2.85	0	31.22	13.36
4565.0	0.06	19	5.7	0.7	2.83	0	31.14	13.30
4566.0	0.00	34	2.3	0.0	2.79	0	31.10	13.26
4567.0	0.00	22	3.3	0.0	2.80	0	31.08	13.25
4568.0	0.24	15	6.8	1.4	2.82	0	31.04	13.21
4569.0	2.03	13	9.1	2.4	2.84	0	30.96	13.15
4570.0	2.86	13	9.6	1.7	2.84	0	30.87	13.07
4571.0	2.77	12	9.4	0.8	2.83	0	30.77	12.99
4572.0	5.59	11	10.2	0.5	2.83	0	30.68	12.90

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4573.0	14.88	10	11.8 1.7	2.85	0	30.57 12.81
4574.0	23.10	10	12.6 2.3	2.85	0	30.45 12.70
4575.0	18.37	10	12.3 1.4	2.84	0	30.32 12.59
4576.0	12.36	10	11.5 1.3	2.85	0	30.20 12.48
4577.0	10.95	11	11.4 0.7	2.86	0	30.09 12.38
4578.0	22.05	10	12.7 2.0	2.86	0	29.97 12.27
4579.0	36.60	10	13.8 2.9	2.85	0	29.84 12.16
4580.0	64.37	10	15.1 4.4	2.85	0	29.70 12.03
4581.0	54.19	10	14.7 4.5	2.85	0	29.55 11.90
4582.0	28.92	11	13.4 3.4	2.85	0	29.41 11.77
4583.0	10.45	12	11.6 2.5	2.87	0	29.28 11.65
4584.0	0.12	17	6.2 0.0	2.84	0	29.17 11.56
4585.0	0.02	18	4.8 0.0	2.83	0	29.12 11.52
4586.0	0.38	15	7.3 0.9	2.84	0	29.07 11.48
4587.0	0.98	14	8.4 1.8	2.84	0	28.99 11.41
4588.0	1.91	14	9.2 1.7	2.85	0	28.90 11.34
4589.0	3.45	14	10.2 1.1	2.86	0	28.81 11.26
4590.0	18.64	11	12.5 3.3	2.84	0	28.70 11.17
4591.0	53.31	10	14.5 3.9	2.85	0	28.57 11.05
4592.0	74.19	10	15.6 3.6	2.88	0	28.43 10.92
4593.0	24.68	12	13.5 2.6	2.87	0	28.27 10.78
4594.0	12.24	12	12.1 1.3	2.84	0	28.14 10.67
4595.0	27.12	11	13.5 2.2	2.85	0	28.01 10.56
4596.0	30.22	11	13.8 1.6	2.85	0	27.88 10.44
4597.0	62.27	11	15.4 2.8	2.87	0	27.74 10.31
4598.0	50.22	12	15.0 3.2	2.84	0	27.58 10.18
4599.0	73.86	10	15.5 3.9	2.84	0	27.43 10.04
4600.0	33.43	11	13.8 2.3	2.85	0	27.28 9.90
4601.0	4.72	13	10.5 0.0	2.85	0	27.15 9.79
4602.0	4.68	12	10.3 0.4	2.85	0	27.05 9.70
4603.0	2.63	11	9.2 2.3	2.85	0	26.94 9.61
4604.0	0.43	16	7.5 2.5	2.81	0	26.86 9.54
4605.0	2.25	15	9.7 3.2	2.85	0	26.78 9.47
4606.0	0.08	20	6.1 0.0	2.83	0	26.68 9.39
4607.0	0.00	27	3.3 0.0	2.87	0	26.63 9.35
4608.0	0.00	31	2.7 0.0	2.87	0	26.60 9.33
4609.0	0.00	32	2.4 0.0	2.83	0	26.58 9.31
4610.0	0.00	32	2.7 0.0	2.83	0	26.55 9.29
4612.0	0.00	35	1.9 0.0	2.80	0	26.52 9.28
4613.0	0.67	12	7.4 0.8	2.79	0	26.48 9.25
4614.0	4.60	11	9.9 3.3	2.85	0	26.39 9.17
4615.0	0.45	13	7.1 2.3	2.83	0	26.30 9.09
4616.0	0.85	12	7.7 2.6	2.84	0	26.23 9.03
4617.0	1.36	14	8.8 2.9	2.85	0	26.15 8.95
4618.0	0.00	42	3.6 0.0	2.85	1	26.07 8.89
4619.0	0.01	24	4.4 0.0	2.82	0	26.04 8.87
4620.0	6.83	10	10.3 2.4	2.85	0	25.98 8.82

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4621.0	5.05	11	10.1 0.8	2.85	0	25.87 8.73
4622.0	7.24	11	10.6 1.3	2.87	0	25.77 8.64
4623.0	2.82	13	9.6 0.1	2.85	0	25.67 8.55
4624.0	1.19	14	8.7 0.2	2.80	0	25.58 8.47
4625.0	5.20	16	11.4 2.2	2.81	0	25.49 8.39
4626.0	4.23	17	11.2 0.9	2.84	0	25.37 8.29
4627.0	0.06	34	6.8 0.0	2.81	0	25.27 8.22
4628.0	0.80	31	10.4 1.8	2.84	0	25.20 8.17
4629.0	1.08	33	11.1 2.2	2.84	0	25.09 8.10
4630.0	0.30	37	9.4 1.9	2.83	0	24.98 8.02
4631.0	0.02	60	6.7 0.0	2.84	0	24.90 7.98
4632.0	0.00	88	4.4 0.0	2.84	0	24.83 7.95
4633.0	0.01	68	5.5 0.1	2.84	0	24.79 7.95
4634.0	0.01	75	5.6 0.0	2.85	0	24.73 7.93
4635.0	0.00	99	4.6 0.0	2.83	0	24.68 7.92
4636.0	0.01	82	5.4 0.0	2.83	0	24.63 7.92
4637.0	0.00	68	5.1 0.0	2.86	0	24.58 7.91
4638.0	0.00	65	3.8 0.0	2.85	0	24.53 7.89
4639.0	0.00	38	3.9 0.0	2.81	0	24.50 7.88
4640.0	0.01	58	6.0 2.0	2.81	0	24.45 7.85
4641.0	0.02	58	6.7 2.2	2.82	0	24.38 7.83
4642.0	0.40	35	9.7 3.2	2.81	0	24.30 7.78
4643.0	0.38	41	10.1 3.3	2.82	0	24.20 7.72
4644.0	0.29	47	10.1 3.3	2.84	0	24.11 7.67
4645.0	1.77	40	12.9 3.5	2.81	0	24.00 7.61
4646.0	5.48	33	14.7 4.4	2.82	0	23.86 7.52
4647.0	5.79	32	14.5 4.8	2.82	0	23.71 7.42
4648.0	6.27	33	15.0 4.9	2.87	0	23.56 7.32
4649.0	1.10	39	11.8 3.9	2.85	0	23.42 7.23
4650.0	0.09	54	8.5 2.0	2.83	0	23.31 7.17
4651.0	0.03	54	7.1 1.4	2.80	0	23.23 7.13
4652.0	0.13	46	8.8 2.9	2.79	0	23.16 7.09
4653.0	6.02	38	15.6 5.2	2.88	0	23.05 7.03
4654.0	5.67	36	15.2 5.0	2.87	0	22.89 6.93
4655.0	0.12	42	8.3 1.5	2.81	0	22.76 6.85
4656.0	0.30	39	9.5 2.3	2.82	0	22.67 6.80
4657.0	0.77	42	11.4 3.2	2.84	0	22.57 6.73
4658.0	0.23	50	9.9 2.0	2.86	0	22.46 6.67
4659.0	0.05	52	7.6 0.1	2.84	0	22.37 6.63
4660.0	0.02	47	6.7 0.0	2.83	0	22.29 6.59
4661.0	0.11	49	8.7 1.1	2.84	0	22.22 6.55
4662.0	0.25	50	10.0 2.1	2.83	0	22.12 6.50
4663.0	0.61	54	11.6 3.1	2.84	0	22.02 6.46
4664.0	0.55	54	11.4 2.7	2.85	0	21.90 6.40
4665.0	0.12	66	8.9 0.7	2.84	0	21.80 6.35
4666.0	0.20	82	9.6 1.3	2.89	0	21.70 6.33
4667.0	0.22	95	9.8 0.5	2.87	0	21.61 6.31
4668.0	1.08	66	12.8 2.9	2.83	0	21.50 6.30

DEPTH FEET	PERM.TU OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4669.0	4.64	56	16.3	5.2	2.86	0	21.36	6.24
4670.0	5.27	59	16.6	4.6	2.86	0	21.20	6.18
4671.0	10.11	54	18.5	5.8	2.88	0	21.03	6.11
4672.0	6.31	55	17.1	4.4	2.88	0	20.85	6.02
4673.0	4.22	57	16.0	4.4	2.86	0	20.68	5.95
4674.0	3.09	64	15.2	4.3	2.88	0	20.52	5.89
4675.0	1.76	66	13.8	3.7	2.87	0	20.37	5.83
4676.0	1.68	70	13.7	3.7	2.87	0	20.24	5.79
4677.0	3.06	70	15.2	5.0	2.86	0	20.10	5.75
4678.0	2.18	82	14.4	4.7	2.88	0	19.95	5.71
4679.0	1.82	93	13.9	4.6	2.88	0	19.80	5.69
4680.0	3.62	84	15.6	5.2	2.86	0	19.66	5.67
4681.0	3.91	84	15.8	5.2	2.88	0	19.50	5.65
4682.0	2.57	76	14.7	4.9	2.87	0	19.34	5.62
4683.0	0.83	75	12.2	4.0	2.87	0	19.20	5.58
4684.0	0.23	94	9.9	3.3	2.84	0	19.08	5.56
4685.0	0.60	75	11.6	3.8	2.84	0	18.98	5.55
4686.0	2.37	62	14.5	4.8	2.85	0	18.86	5.51
4687.0	3.35	60	15.4	5.1	2.86	0	18.71	5.45
4688.0	1.90	57	14.0	3.1	2.88	0	18.56	5.39
4689.0	1.16	62	12.9	3.0	2.86	0	18.42	5.33
4690.0	1.91	80	14.0	4.0	2.84	0	18.29	5.28
4691.0	1.12	78	12.8	2.7	2.84	0	18.15	5.25
4692.0	1.46	70	13.4	4.1	2.86	0	18.02	5.22
4693.0	1.77	73	13.9	4.4	2.85	0	17.88	5.19
4694.0	2.16	83	14.3	4.0	2.86	0	17.75	5.15
4695.0	1.76	85	13.8	2.5	2.86	0	17.60	5.13
4696.0	0.58	73	11.5	1.1	2.84	0	17.47	5.11
4697.0	0.21	67	9.7	0.8	2.86	0	17.36	5.08
4698.0	0.09	67	8.4	0.0	2.84	0	17.27	5.05
4699.0	0.36	68	10.6	1.5	2.82	0	17.18	5.02
4700.0	2.33	59	14.5	4.5	2.85	0	17.06	4.99
4701.0	4.43	67	16.1	4.7	2.88	0	16.91	4.93
4702.0	2.62	83	14.8	2.1	2.87	0	16.75	4.88
4703.0	3.68	72	15.7	2.6	2.85	0	16.60	4.85
4704.0	4.12	70	16.0	3.1	2.85	0	16.45	4.81
4705.0	8.05	62	17.8	5.2	2.87	0	16.28	4.76
4706.0	4.26	65	16.0	5.3	2.89	0	16.11	4.70
4707.0	1.22	68	13.0	4.1	2.86	0	15.95	4.65
4708.0	1.86	59	14.0	4.1	2.85	0	15.83	4.61
4709.0	4.24	57	16.0	4.7	2.85	0	15.68	4.55
4710.0	4.57	60	16.2	4.5	2.86	0	15.52	4.48
4711.0	6.02	71	17.0	4.8	2.86	0	15.36	4.42
4712.0	8.02	79	17.8	4.2	2.85	0	15.19	4.38
4713.0	9.47	79	18.3	4.9	2.86	0	15.01	4.34
4714.0	7.08	75	17.5	4.7	2.87	0	14.82	4.30
4715.0	4.07	79	15.9	4.2	2.84	0	14.66	4.26
4716.0	6.72	78	17.3	5.7	2.89	0	14.49	4.23

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4717.0	3.91	94	15.8	5.2	2.89	0	14.32	4.20
4718.0	2.32	92	14.5	4.6	2.88	0	14.17	4.20
4719.0	2.12	79	14.3	4.7	2.89	0	14.03	4.18
4720.0	1.33	82	13.2	4.0	2.86	0	13.88	4.15
4721.0	0.59	86	11.5	3.3	2.84	0	13.76	4.13
4722.0	0.56	65	11.4	3.5	2.84	0	13.64	4.11
4723.0	0.43	54	10.9	3.6	2.85	0	13.53	4.07
4724.0	0.28	61	10.2	3.0	2.87	0	13.42	4.02
4725.0	0.16	73	9.3	2.2	2.87	0	13.32	3.99
4726.0	0.01	100	5.4	0.3	2.82	0	13.24	3.97
4727.0	0.01	72	5.2	0.0	2.80	0	13.19	3.97
4728.0	0.60	51	11.6	3.5	2.84	0	13.13	3.95
4729.0	2.16	63	14.3	4.6	2.86	0	13.00	3.89
4730.0	1.87	76	14.0	4.4	2.85	0	12.86	3.84
4731.0	1.53	74	13.5	4.1	2.84	0	12.72	3.81
4732.0	1.71	68	13.8	4.5	2.87	0	12.58	3.78
4733.0	0.09	85	8.5	1.5	2.84	0	12.46	3.74
4734.0	0.07	77	8.1	1.6	2.82	0	12.38	3.73
4735.0	1.50	73	13.5	4.5	2.84	0	12.28	3.71
4736.0	3.12	80	15.2	4.5	2.83	0	12.14	3.67
4737.0	3.85	75	15.8	4.5	2.85	0	11.99	3.64
4738.0	4.06	62	15.9	5.0	2.88	0	11.83	3.60
4739.0	1.78	54	13.9	4.3	2.85	0	11.68	3.54
4740.0	1.34	53	13.2	4.3	2.85	0	11.54	3.48
4741.0	0.92	57	12.4	4.1	2.84	0	11.41	3.42
4742.0	0.38	63	10.7	3.5	2.86	0	11.29	3.37
4743.0	0.05	79	7.7	1.0	2.85	0	11.19	3.33
4744.0	0.00	100	2.5	0.0	2.82	0	11.13	3.33
4745.0	0.00	100	4.3	0.0	2.84	0	11.11	3.33
4746.0	0.02	73	6.8	2.0	2.85	0	11.06	3.32
4747.0	0.04	66	7.3	2.4	2.83	0	10.99	3.31
4748.0	0.14	50	9.0	3.0	2.82	0	10.91	3.27
4749.0	0.12	48	8.7	2.5	2.80	0	10.82	3.23
4750.0	0.36	48	10.5	3.5	2.82	0	10.73	3.18
4751.0	0.76	46	11.7	2.8	2.84	0	10.61	3.12
4752.0	0.06	89	7.9	0.0	2.86	0	10.50	3.07
4753.0	0.02	100	6.3	0.0	2.86	0	10.43	3.06
4754.0	0.58	96	11.5	1.7	2.83	0	10.36	3.06
4755.0	2.57	82	14.7	4.9	2.85	0	10.23	3.05
4756.0	1.05	97	12.7	3.4	2.84	0	10.09	3.03
4757.0	0.61	72	11.6	3.4	2.86	0	9.97	3.02
4758.0	0.25	60	10.0	1.9	2.85	0	9.86	2.99
4759.0	0.77	61	12.1	2.4	2.84	0	9.76	2.95
4760.0	2.07	61	14.2	4.5	2.86	0	9.63	2.90
4761.0	1.98	66	14.1	4.7	2.87	0	9.49	2.85
4762.0	1.35	67	13.2	3.4	2.86	0	9.35	2.80
4763.0	1.12	67	12.8	3.7	2.83	0	9.22	2.76
4764.0	0.59	72	11.5	3.1	2.84	0	9.09	2.72

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4765.0	0.41	76	10.9 2.7	2.86	0	8.98 2.69
4766.0	0.73	63	12.0 3.6	2.85	0	8.86 2.66
4767.0	0.26	65	10.0 1.7	2.84	0	8.75 2.62
4768.0	0.02	81	6.8 0.3	2.83	0	8.66 2.59
4769.0	0.00	77	4.3 0.0	2.81	0	8.60 2.58
4770.0	0.00	68	4.4 0.3	2.81	0	8.56 2.57
4771.0	0.01	51	6.0 0.0	2.83	0	8.51 2.56
4772.0	0.51	51	11.3 1.4	2.86	0	8.44 2.52
4773.0	1.25	59	13.1 4.2	2.85	0	8.32 2.46
4774.0	0.27	91	10.1 3.3	2.84	0	8.19 2.42
4775.0	0.06	99	7.8 2.1	2.81	0	8.10 2.41
4776.0	0.00	99	4.8 0.0	2.83	0	8.03 2.41
4777.0	0.00	100	2.5 0.0	2.83	0	7.99 2.41
4778.0	0.00	66	4.1 0.0	2.83	0	7.96 2.41
4779.0	0.01	58	5.4 0.5	2.83	0	7.92 2.39
4780.0	0.01	54	6.1 0.0	2.82	0	7.86 2.37
4781.0	0.00	81	4.9 0.0	2.82	0	7.80 2.35
4782.0	0.01	73	5.6 0.0	2.83	0	7.75 2.34
4783.0	0.02	64	6.4 0.6	2.83	0	7.69 2.32
4784.0	0.00	71	4.8 0.0	2.82	0	7.63 2.29
4785.0	0.00	81	4.4 0.0	2.84	0	7.58 2.28
4786.0	0.00	99	4.0 0.0	2.85	0	7.54 2.28
4787.0	0.00	78	3.2 0.0	2.84	0	7.50 2.28
4793.0	0.00	100	2.6 0.0	2.83	0	7.42 2.27
4794.0	0.06	97	7.8 0.0	2.83	0	7.38 2.27
4795.0	0.20	60	9.6 0.0	2.84	0	7.29 2.25
4796.0	0.07	60	8.1 1.5	2.82	0	7.20 2.22
4797.0	0.02	63	6.6 0.0	2.82	0	7.12 2.19
4798.0	0.01	79	5.9 0.0	2.83	0	7.06 2.17
4799.0	0.01	96	5.5 0.0	2.83	0	7.00 2.16
4800.0	0.04	63	7.4 0.0	2.83	0	6.94 2.15
4801.0	0.10	60	8.6 0.1	2.82	0	6.86 2.12
4802.0	0.03	99	7.1 0.0	2.82	0	6.78 2.10
4803.0	0.07	71	8.0 0.0	2.89	0	6.71 2.09
4804.0	0.00	99	4.7 0.0	2.82	0	6.63 2.07
4805.0	0.00	87	4.8 0.0	2.81	0	6.59 2.07
4806.0	0.01	69	5.6 0.0	2.81	0	6.54 2.07
4807.0	0.07	53	8.2 2.1	2.82	0	6.48 2.05
4808.0	0.06	64	7.9 0.0	2.84	0	6.40 2.01
4809.0	0.16	64	9.3 0.0	2.83	0	6.32 1.98
4810.0	2.02	54	14.2 3.3	2.84	0	6.21 1.95
4811.0	2.03	49	14.1 3.0	2.86	0	6.06 1.87
4812.0	0.01	87	6.2 0.0	2.83	0	5.94 1.82
4813.0	0.00	100	2.2 0.0	2.84	0	5.89 1.81
4814.0	0.00	99	4.7 0.0	2.85	0	5.87 1.81
4815.0	0.01	90	5.8 0.0	2.83	0	5.81 1.81
4816.0	0.00	100	3.1 0.0	2.81	0	5.76 1.80

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4817.0	0.00	70	2.5	0.0	2.83	0	5.73	1.80
4818.0	0.00	52	3.9	0.0	2.84	0	5.71	1.79
4819.0	0.00	62	4.8	0.0	2.81	0	5.66	1.77
4820.0	0.01	72	6.1	0.0	2.81	0	5.62	1.75
4821.0	0.03	71	6.9	0.0	2.83	0	5.55	1.74
4822.0	0.09	67	8.4	0.4	2.83	0	5.48	1.72
4823.0	0.84	61	12.2	2.4	2.83	0	5.39	1.69
4824.0	0.74	72	12.0	3.7	2.82	0	5.26	1.64
4825.0	0.15	82	9.2	2.3	2.80	0	5.15	1.61
4826.0	0.06	75	7.8	1.5	2.82	0	5.06	1.60
4827.0	0.09	70	8.4	1.5	2.84	0	4.98	1.57
4828.0	0.00	100	4.0	0.0	2.83	0	4.90	1.56
4829.0	0.00	100	2.1	0.0	2.81	0	4.88	1.56
4830.0	0.06	66	8.0	2.6	2.81	0	4.84	1.56
4831.0	0.60	58	11.6	3.8	2.85	0	4.76	1.52
4832.0	0.68	54	11.8	3.8	2.83	0	4.64	1.47
4833.0	0.10	72	8.6	1.1	2.83	0	4.52	1.43
4834.0	0.00	100	3.7	0.0	2.80	0	4.45	1.41
4835.0	0.01	75	6.2	0.0	2.81	0	4.42	1.41
4836.0	0.47	59	11.1	2.2	2.85	0	4.34	1.39
4837.0	0.09	64	8.4	1.5	2.83	0	4.23	1.35
4838.0	0.02	55	6.3	0.4	2.83	0	4.15	1.32
4839.0	0.00	66	4.7	0.0	2.83	0	4.10	1.30
4840.0	0.00	73	4.1	0.0	2.84	0	4.05	1.28
4841.0	0.00	94	4.4	0.0	2.85	0	4.01	1.28
4842.0	0.01	74	5.9	0.0	2.83	0	3.96	1.27
4843.0	0.01	73	5.9	0.0	2.81	0	3.90	1.26
4844.0	0.03	64	7.0	0.4	2.80	0	3.84	1.24
4845.0	0.15	56	9.1	1.5	2.81	0	3.77	1.21
4846.0	0.03	65	7.1	0.0	2.82	0	3.68	1.17
4847.0	0.01	53	5.9	0.0	2.83	0	3.61	1.15
4848.0	0.04	35	6.5	0.4	2.85	0	3.55	1.12
4849.0	0.03	45	6.6	0.0	2.84	0	3.49	1.07
4850.0	0.02	47	6.6	0.0	2.83	0	3.42	1.04
4851.0	0.01	52	5.9	0.0	2.83	0	3.36	1.01
4852.0	0.02	59	6.6	0.0	2.85	0	3.29	0.98
4853.0	0.00	84	4.1	0.0	2.83	0	3.23	0.96
4854.0	0.00	37	4.6	0.0	2.82	0	3.20	0.95
4855.0	0.13	30	7.6	0.6	2.83	0	3.14	0.91
4856.0	0.03	41	6.7	0.0	2.85	0	3.07	0.86
4857.0	0.01	57	5.4	0.0	2.83	0	3.00	0.82
4858.0	0.00	66	5.1	0.0	2.82	0	2.95	0.80
4859.0	0.00	97	4.2	0.0	2.81	0	2.90	0.79
4860.0	0.01	100	5.5	0.0	2.82	0	2.86	0.78
4861.0	0.00	100	5.2	0.0	2.82	0	2.80	0.78
4862.0	0.00	100	4.5	0.0	2.82	0	2.75	0.78
4863.0	0.03	99	7.0	0.0	2.84	0	2.70	0.78
4864.0	0.15	72	9.2	1.5	2.86	0	2.62	0.78

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
4865.0	0.06	79	7.9 0.1	2.83	0	2.53	0.75
4866.0	0.02	99	6.7 0.0	2.82	0	2.46	0.74
4867.0	0.02	99	6.6 0.0	2.83	0	2.39	0.74
4868.0	0.12	73	8.8 0.4	2.84	0	2.32	0.73
4869.0	0.04	88	7.3 0.0	2.84	0	2.23	0.71
4870.0	0.01	96	5.5 0.0	2.84	0	2.16	0.70
4871.0	0.01	84	6.0 0.0	2.83	0	2.11	0.70
4872.0	0.00	99	4.6 0.0	2.84	0	2.05	0.69
4873.0	0.00	96	4.6 0.0	2.86	0	2.01	0.69
4874.0	0.06	88	7.8 0.0	2.82	0	1.95	0.69
4875.0	0.45	69	11.0 2.4	2.84	0	1.87	0.67
4876.0	0.50	70	11.2 2.1	2.84	0	1.76	0.64
4877.0	1.39	67	13.3 2.6	2.85	0	1.64	0.61
4878.0	2.68	65	14.9 3.1	2.85	0	1.50	0.56
4879.0	5.56	58	16.8 4.6	2.85	0	1.35	0.51
4880.0	5.45	60	16.7 4.0	2.83	0	1.18	0.43
4881.0	4.83	63	16.4 3.5	2.84	0	1.01	0.37
4882.0	5.07	59	16.5 4.6	2.86	0	0.85	0.31
4883.0	4.40	59	16.1 4.4	2.84	0	0.68	0.24
4884.0	3.13	63	15.2 2.9	2.83	0	0.52	0.18
4885.0	4.69	59	16.3 4.3	2.84	0	0.37	0.12
4886.0	2.33	68	14.5 1.9	2.83	0	0.20	0.05
4887.0	1.22	80	13.0 0.0	2.84	0	0.07	0.01