
* CORIBAND *

* SCHLUMBERGER *

COMPANY PHILLIPS PETROLEUM COMPANY
WELL EVGSAU # 3456 - 005
FIELD EAST VACUUM GREYBURG SAN ANDRES
COUNTY LEA
STATE NEW MEXICO
DATE 6-JUL-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
4025.0	0.00	100	4.0 0.0	2.66	8	40.34 21.17
4026.0	1.56	54	13.6 0.0	2.68	0	40.26 21.15
4027.0	0.03	99	7.0 0.0	2.69	0	40.14 21.10
4029.0	0.00	100	2.6 0.0	2.68	0	40.07 21.10
4030.0	0.00	100	2.8 0.0	2.69	0	40.05 21.10
4063.0	0.00	100	2.9 0.0	2.69	0	39.96 21.10
4064.0	0.00	99	5.2 0.0	2.70	0	39.93 21.10
4065.0	0.00	100	4.3 0.0	2.70	3	39.88 21.10
4080.0	0.00	100	2.3 0.0	2.80	8	39.81 21.10
4153.0	0.00	100	2.8 0.0	2.86	36	39.72 21.10
4154.0	0.00	100	2.0 0.0	2.85	22	39.70 21.10
4199.0	0.00	100	2.1 0.0	2.68	0	39.67 21.10
4200.0	0.00	88	4.0 0.0	2.70	0	39.64 21.10
4201.0	0.00	100	2.2 0.0	2.70	4	39.60 21.09
4235.0	0.00	98	3.5 0.0	2.70	4	39.53 21.09
4236.0	0.02	44	6.1 0.0	2.74	0	39.49 21.08
4237.0	0.02	43	6.1 0.0	2.72	0	39.43 21.05
4238.0	0.00	59	4.4 0.0	2.69	0	39.37 21.02
4239.0	0.00	49	4.6 0.0	2.71	1	39.33 21.00
4282.0	0.00	100	2.3 0.0	2.77	4	39.19 20.99
4283.0	0.00	100	1.9 0.0	2.77	12	39.17 20.99
4284.0	0.00	100	2.1 0.0	2.83	1	39.14 20.99
4285.0	0.00	100	2.3 0.0	2.83	0	39.12 20.99
4286.0	0.00	100	2.0 0.0	2.83	0	39.10 20.99
4290.0	0.00	97	2.9 0.0	2.79	1	39.07 20.99
4291.0	0.00	100	2.6 0.0	2.80	13	39.04 20.99
4292.0	0.00	100	3.1 0.0	2.78	12	39.02 20.99
4293.0	0.02	43	6.5 0.0	2.77	6	38.98 20.98
4294.0	2.56	22	11.3 1.1	2.83	3	38.91 20.94
4295.0	1.27	25	10.5 0.3	2.82	9	38.80 20.85
4296.0	0.04	43	7.0 0.1	2.77	26	38.70 20.78
4297.0	0.00	100	2.1 0.0	2.72	37	38.64 20.75
4299.0	0.00	87	4.6 0.0	2.83	9	38.60 20.75
4300.0	0.00	50	5.0 0.0	2.87	0	38.55 20.74
4301.0	0.00	42	3.6 0.0	2.84	0	38.51 20.72
4302.0	0.00	64	2.2 0.0	2.82	0	38.47 20.70
4310.0	0.01	63	5.4 0.0	2.84	0	38.41 20.69

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4311.0	0.02	54	6.5	0.0	2.87	0	38.34	20.66
4322.0	0.00	60	3.4	0.0	2.82	0	38.26	20.65
4323.0	0.02	33	5.8	0.6	2.81	0	38.22	20.63
4324.0	0.10	31	7.4	0.6	2.83	0	38.16	20.59
4325.0	0.94	27	10.2	1.8	2.85	0	38.08	20.53
4326.0	1.49	23	10.5	1.9	2.87	0	37.97	20.45
4327.0	0.00	43	4.3	0.0	2.80	0	37.87	20.38
4334.0	0.00	59	2.7	0.0	2.80	0	37.82	20.37
4335.0	0.00	43	4.7	0.0	2.80	6	37.79	20.36
4336.0	0.15	29	7.6	0.0	2.84	3	37.74	20.33
4337.0	0.09	34	7.4	0.0	2.84	5	37.66	20.27
4338.0	0.01	51	5.8	0.0	2.78	12	37.59	20.23
4339.0	0.04	43	7.1	0.8	2.81	15	37.53	20.20
4340.0	0.02	51	6.3	0.3	2.76	23	37.46	20.17
4341.0	0.60	30	9.8	1.6	2.80	17	37.40	20.13
4342.0	3.40	21	11.6	2.1	2.84	10	37.30	20.06
4343.0	0.20	32	8.3	1.4	2.79	17	37.18	19.97
4344.0	0.00	58	4.9	0.5	2.76	27	37.12	19.93
4345.0	0.04	46	7.1	0.0	2.84	17	37.06	19.90
4346.0	0.01	56	6.0	0.0	2.83	9	36.99	19.86
4347.0	0.00	69	4.4	0.0	2.83	4	36.93	19.84
4348.0	0.00	100	3.3	0.0	2.82	1	36.89	19.83
4349.0	0.00	100	3.3	0.0	2.83	0	36.85	19.83
4350.0	0.00	100	2.3	0.0	2.82	0	36.83	19.83
4351.0	0.00	98	3.5	0.0	2.80	0	36.80	19.83
4352.0	0.00	100	3.5	0.0	2.79	5	36.76	19.83
4353.0	0.00	100	2.4	0.3	2.76	25	36.73	19.83
4354.0	0.00	79	4.3	0.4	2.72	28	36.71	19.83
4355.0	0.00	73	4.7	0.3	2.77	34	36.66	19.82
4356.0	0.00	100	2.3	0.0	2.80	22	36.62	19.81
4357.0	0.00	100	2.1	0.0	2.80	3	36.59	19.81
4358.0	0.00	100	2.2	0.0	2.82	0	36.57	19.81
4376.0	0.04	10	4.4	0.0	2.87	0	36.46	19.80
4377.0	0.00	21	2.0	0.0	2.83	0	36.42	19.76
4378.0	0.38	9	6.3	0.0	2.84	0	36.40	19.74
4379.0	19.60	7	12.1	1.4	2.89	0	36.32	19.67
4380.0	26.63	6	12.7	0.0	2.89	0	36.19	19.55
4381.0	26.89	6	12.8	0.0	2.88	0	36.06	19.43
4382.0	31.52	6	13.1	1.7	2.85	0	35.94	19.31
4383.0	47.15	6	14.0	2.3	2.85	0	35.80	19.18
4384.0	121.57	6	16.4	4.9	2.89	0	35.65	19.05
4385.0	72.69	6	15.1	3.9	2.89	0	35.49	18.89
4386.0	20.41	6	12.2	2.3	2.90	0	35.35	18.76
4387.0	4.29	7	9.4	0.9	2.90	0	35.23	18.65
4388.0	0.00	19	2.3	0.0	2.85	0	35.15	18.57

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4390.0	0.00	16	3.4	0.2	2.89	0	35.11	18.54
4391.0	0.00	19	3.0	0.0	2.84	0	35.08	18.51
4392.0	0.00	15	3.4	0.0	2.85	0	35.04	18.49
4394.0	0.00	22	3.2	0.0	2.83	0	34.99	18.45
4397.0	0.04	13	4.7	0.0	2.87	0	34.93	18.40
4398.0	0.87	10	7.3	0.1	2.87	0	34.87	18.35
4399.0	8.14	9	10.4	1.9	2.89	0	34.79	18.28
4400.0	6.15	8	10.0	2.4	2.89	0	34.68	18.18
4401.0	0.01	12	3.6	0.0	2.86	0	34.60	18.10
4402.0	0.09	14	5.6	2.2	2.78	0	34.57	18.08
4403.0	21.17	8	12.3	5.9	2.89	0	34.48	18.00
4404.0	0.01	15	4.1	0.0	2.86	0	34.38	17.91
4405.0	0.00	16	3.0	0.0	2.85	0	34.35	17.89
4406.0	0.19	10	5.6	0.0	2.90	0	34.32	17.86
4407.0	0.02	12	4.0	0.0	2.88	0	34.26	17.81
4410.0	0.00	18	3.0	0.0	2.87	0	34.21	17.77
4411.0	0.28	12	6.4	0.8	2.86	0	34.17	17.74
4412.0	28.30	7	12.9	6.1	2.90	0	34.09	17.66
4413.0	0.49	15	7.6	3.3	2.88	0	33.96	17.55
4414.0	0.00	69	2.1	0.0	2.85	0	33.91	17.50
4417.0	0.01	28	4.4	0.6	2.85	0	33.86	17.50
4418.0	2.71	11	9.0	3.4	2.90	0	33.80	17.45
4419.0	0.72	13	7.7	2.0	2.90	0	33.71	17.37
4420.0	0.61	13	7.4	2.1	2.90	0	33.64	17.31
4421.0	1.68	9	8.0	2.6	2.88	0	33.56	17.24
4422.0	0.00	15	3.5	0.0	2.82	0	33.49	17.17
4423.0	0.00	14	2.7	0.0	2.83	0	33.46	17.15
4424.0	0.00	14	2.1	0.0	2.83	0	33.43	17.12
4425.0	0.07	8	4.7	0.5	2.81	0	33.40	17.10
4426.0	9.46	7	10.7	3.4	2.79	0	33.34	17.04
4427.0	33.51	7	13.2	3.1	2.84	0	33.22	16.93
4428.0	33.63	7	13.2	3.4	2.85	0	33.09	16.81
4429.0	54.14	6	14.3	6.3	2.86	0	32.95	16.68
4430.0	4.76	9	9.6	1.8	2.86	0	32.82	16.56
4431.0	0.11	14	5.8	0.6	2.83	0	32.74	16.49
4432.0	4.94	9	9.6	3.6	2.85	0	32.67	16.43
4433.0	0.33	12	6.5	0.0	2.83	0	32.58	16.34
4436.0	0.00	15	2.7	0.0	2.82	0	32.50	16.29
4437.0	0.05	13	4.9	0.0	2.82	0	32.47	16.26
4438.0	0.07	14	5.3	0.0	2.81	0	32.42	16.21
4439.0	0.34	11	6.5	0.0	2.85	0	32.36	16.16
4440.0	0.03	14	4.7	0.0	2.85	0	32.30	16.11

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4441.0	0.04	13	4.7 0.0	2.87	0	32.26 16.07
4442.0	0.02	14	4.3 0.0	2.85	0	32.21 16.03
4443.0	0.02	14	4.2 0.1	2.83	0	32.17 16.00
4444.0	0.23	12	6.2 0.2	2.81	0	32.12 15.96
4445.0	0.15	13	5.9 0.0	2.80	0	32.06 15.90
4446.0	0.00	17	3.4 0.0	2.81	0	32.01 15.86
4447.0	0.00	19	2.1 0.0	2.81	0	31.98 15.83
4448.0	0.00	15	2.7 0.0	2.80	0	31.96 15.81
4449.0	0.51	9	6.6 0.0	2.78	0	31.92 15.78
4450.0	1.52	8	7.9 0.0	2.79	0	31.85 15.72
4451.0	1.69	8	8.0 0.3	2.79	0	31.77 15.65
4452.0	1.32	9	7.7 0.4	2.81	0	31.69 15.58
4453.0	2.41	8	8.5 0.0	2.78	0	31.62 15.51
4454.0	5.62	7	9.8 0.0	2.80	0	31.53 15.42
4455.0	0.63	9	6.8 0.0	2.81	0	31.43 15.34
4456.0	0.08	11	5.0 0.0	2.78	0	31.37 15.28
4457.0	0.58	9	6.7 0.3	2.81	0	31.31 15.23
4458.0	0.01	15	3.6 0.0	2.82	0	31.25 15.18
4459.0	0.00	12	2.8 0.0	2.82	0	31.22 15.15
4460.0	0.00	14	2.7 0.0	2.83	0	31.19 15.12
4461.0	0.01	16	3.9 0.0	2.81	0	31.16 15.10
4462.0	0.02	14	4.3 0.0	2.83	0	31.12 15.06
4463.0	0.02	11	4.2 0.0	2.82	0	31.08 15.03
4464.0	0.24	9	5.8 0.0	2.80	0	31.03 14.99
4465.0	0.19	10	5.6 0.0	2.82	0	30.98 14.93
4466.0	0.04	11	4.6 0.0	2.85	0	30.92 14.89
4467.0	0.09	10	5.0 0.0	2.84	0	30.88 14.85
4468.0	0.78	7	7.1 1.0	2.84	0	30.82 14.80
4469.0	0.43	9	6.4 0.0	2.83	0	30.75 14.73
4470.0	0.39	9	6.3 0.0	2.83	0	30.69 14.68
4471.0	1.20	8	7.6 0.8	2.81	0	30.62 14.62
4472.0	1.03	7	7.4 0.8	2.82	0	30.55 14.55
4473.0	0.10	10	5.2 0.0	2.85	0	30.48 14.49
4474.0	0.01	14	3.8 0.0	2.86	0	30.43 14.44
4475.0	0.01	11	3.7 0.0	2.84	0	30.39 14.41
4476.0	0.08	10	4.9 0.0	2.82	0	30.35 14.37
4477.0	0.17	10	5.5 0.0	2.82	0	30.30 14.33
4478.0	4.70	7	9.5 2.1	2.87	0	30.24 14.27
4479.0	1.27	7	7.7 0.1	2.84	0	30.14 14.18
4480.0	0.60	7	6.8 0.7	2.83	0	30.07 14.12
4481.0	0.44	8	6.4 0.0	2.80	0	30.01 14.06
4482.0	2.07	8	8.3 0.0	2.80	0	29.94 14.00
4483.0	1.99	8	8.3 0.3	2.80	0	29.85 13.92
4484.0	33.44	6	13.2 4.6	2.84	0	29.77 13.84
4485.0	136.50	6	16.7 6.0	2.86	0	29.62 13.70
4486.0	111.64	6	16.2 4.8	2.85	0	29.45 13.54
4487.0	107.07	7	16.1 5.9	2.87	0	29.29 13.39
4488.0	15.28	7	11.6 5.0	2.83	0	29.14 13.25

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4489.0	4.14	7	9.3	1.9	2.80	0	29.03	13.15
4490.0	19.91	8	12.1	2.1	2.86	0	28.93	13.06
4491.0	2.26	11	8.9	0.0	2.89	0	28.81	12.95
4492.0	0.00	25	3.1	0.0	2.85	0	28.74	12.89
4493.0	0.00	17	3.3	0.0	2.83	0	28.71	12.87
4494.0	1.46	8	7.9	0.1	2.83	0	28.67	12.83
4495.0	15.58	7	11.6	2.1	2.85	0	28.58	12.75
4496.0	9.55	7	10.7	1.6	2.85	0	28.47	12.64
4497.0	3.37	8	9.0	0.6	2.85	0	28.37	12.55
4498.0	6.87	8	10.2	1.3	2.85	0	28.27	12.47
4499.0	25.35	8	12.6	3.2	2.85	0	28.17	12.37
4500.0	28.44	8	12.9	3.6	2.86	0	28.04	12.25
4501.0	11.08	8	11.0	2.6	2.86	0	27.91	12.13
4502.0	4.53	9	9.5	1.9	2.88	0	27.81	12.04
4503.0	8.13	8	10.4	3.1	2.89	0	27.71	11.95
4504.0	14.75	7	11.5	4.5	2.88	0	27.60	11.85
4505.0	6.89	7	10.2	3.7	2.85	0	27.49	11.75
4506.0	0.71	8	7.0	1.9	2.84	0	27.39	11.66
4507.0	0.02	11	4.0	0.0	2.82	0	27.33	11.61
4508.0	0.03	11	4.3	0.4	2.82	0	27.29	11.57
4509.0	0.01	15	4.1	0.0	2.83	0	27.25	11.53
4510.0	0.01	16	4.1	0.2	2.83	0	27.21	11.50
4511.0	0.26	11	6.2	2.0	2.83	0	27.17	11.46
4512.0	1.01	10	7.5	1.6	2.85	0	27.10	11.40
4513.0	0.41	11	6.7	1.0	2.83	0	27.03	11.34
4514.0	0.58	12	7.2	1.7	2.83	0	26.96	11.28
4515.0	0.10	15	5.8	0.0	2.83	0	26.89	11.22
4516.0	0.03	13	4.4	0.0	2.83	0	26.84	11.18
4517.0	0.03	13	4.5	0.0	2.84	0	26.80	11.14
4518.0	0.00	22	3.2	0.0	2.84	0	26.75	11.10
4520.0	0.00	15	2.3	0.0	2.81	0	26.71	11.07
4521.0	0.01	14	3.9	0.1	2.80	0	26.68	11.05
4522.0	0.01	13	4.1	0.5	2.81	0	26.64	11.01
4523.0	0.15	12	5.8	1.5	2.81	0	26.60	10.98
4524.0	0.12	13	5.8	0.7	2.82	0	26.54	10.92
4529.0	0.00	38	1.9	0.0	2.82	0	26.47	10.88
4530.0	0.12	13	5.8	2.0	2.79	0	26.44	10.86
4531.0	8.83	8	10.6	3.0	2.82	0	26.37	10.79
4532.0	5.84	7	9.9	1.4	2.85	0	26.26	10.69
4533.0	0.02	11	4.0	0.0	2.84	0	26.18	10.62
4534.0	0.00	10	3.1	0.0	2.84	0	26.14	10.59
4535.0	0.00	20	2.1	0.0	2.82	0	26.11	10.56
4536.0	0.05	13	4.9	0.0	2.80	0	26.09	10.54
4537.0	0.53	9	6.6	0.4	2.84	0	26.03	10.49
4538.0	0.00	20	2.8	0.0	2.85	0	25.97	10.44
4544.0	0.00	25	3.0	0.0	2.82	0	25.93	10.41

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4545.0	0.00	26	3.1	0.0	2.81	0	25.90	10.39
4546.0	0.00	21	3.4	0.0	2.82	0	25.87	10.36
4566.0	0.00	30	3.9	0.6	2.80	0	25.73	10.31
4567.0	0.04	30	6.3	1.5	2.80	0	25.69	10.28
4568.0	1.14	26	10.5	3.1	2.84	0	25.61	10.23
4569.0	2.90	26	12.1	4.1	2.85	0	25.50	10.15
4570.0	1.62	30	11.6	4.6	2.86	0	25.38	10.06
4571.0	0.59	37	10.5	4.3	2.87	0	25.27	9.99
4572.0	0.30	41	9.7	4.2	2.87	0	25.17	9.93
4573.0	0.11	46	8.5	3.9	2.83	0	25.08	9.87
4574.0	0.15	45	8.9	3.4	2.83	0	24.99	9.83
4575.0	0.27	40	9.5	1.7	2.84	0	24.90	9.78
4576.0	0.23	42	9.3	2.0	2.84	0	24.81	9.72
4577.0	0.36	46	10.4	3.6	2.83	0	24.71	9.67
4578.0	2.87	41	14.1	5.9	2.84	0	24.60	9.61
4579.0	15.51	33	17.4	7.3	2.90	0	24.45	9.52
4580.0	4.08	37	14.5	4.1	2.86	0	24.28	9.40
4581.0	4.96	31	14.2	4.0	2.84	0	24.14	9.31
4582.0	31.64	25	18.0	6.7	2.86	0	23.99	9.21
4583.0	97.40	24	21.3	8.8	2.89	0	23.80	9.07
4584.0	71.18	27	20.9	8.3	2.88	0	23.58	8.90
4585.0	10.44	36	16.8	4.6	2.90	0	23.38	8.76
4586.0	6.49	41	16.1	4.3	2.89	0	23.21	8.65
4587.0	3.99	45	15.4	4.3	2.89	0	23.05	8.56
4588.0	5.89	42	16.0	5.7	2.89	0	22.90	8.48
4589.0	1.59	43	13.0	4.3	2.88	0	22.74	8.39
4590.0	0.30	40	9.6	2.4	2.84	0	22.62	8.32
4591.0	0.36	31	9.1	2.8	2.85	0	22.52	8.26
4592.0	0.04	32	6.5	1.3	2.83	0	22.44	8.20
4593.0	0.03	26	5.6	0.8	2.82	0	22.38	8.16
4594.0	0.00	45	2.6	0.0	2.82	0	22.33	8.12
4597.0	0.01	52	6.2	0.0	2.87	0	22.28	8.11
4598.0	0.01	58	5.8	0.0	2.84	0	22.21	8.07
4599.0	0.00	100	2.0	0.0	2.82	0	22.16	8.06
4604.0	0.00	100	3.5	0.0	2.78	26	22.13	8.06
4605.0	0.00	100	2.9	0.0	2.82	13	22.10	8.06
4611.0	0.00	99	4.5	0.0	2.72	22	22.05	8.06
4612.0	0.04	74	7.2	0.0	2.72	19	21.99	8.05
4613.0	0.05	71	7.5	0.1	2.73	29	21.91	8.03
4614.0	0.00	100	4.3	0.0	2.71	37	21.84	8.01
4623.0	0.00	100	2.4	0.0	2.86	9	21.79	8.01
4658.0	0.00	100	3.8	0.0	2.83	12	21.67	8.01

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4659.0	0.00	73	4.6 0.0	2.83	0	21.63 8.00
4660.0	0.00	84	2.9 0.0	2.83	0	21.59 7.99
4684.0	0.00	65	3.0 0.0	2.83	0	21.49 7.99
4685.0	0.00	68	2.9 0.0	2.83	0	21.46 7.98
4694.0	0.00	45	3.6 0.3	2.82	0	21.32 7.96
4695.0	0.00	70	3.9 0.0	2.82	0	21.28 7.94
4696.0	0.01	73	5.9 1.2	2.84	0	21.24 7.93
4697.0	0.01	86	5.5 1.8	2.83	0	21.18 7.91
4698.0	0.00	98	4.6 1.2	2.82	0	21.12 7.91
4699.0	0.00	97	5.1 1.5	2.82	0	21.08 7.91
4700.0	0.05	67	7.5 3.5	2.84	0	21.02 7.90
4701.0	0.03	98	6.9 3.0	2.82	0	20.95 7.88
4702.0	0.02	97	6.7 3.1	2.82	0	20.88 7.88
4703.0	0.19	69	9.6 4.8	2.88	0	20.80 7.86
4704.0	0.06	97	7.9 2.5	2.87	0	20.71 7.83
4705.0	0.02	99	6.8 0.2	2.83	0	20.64 7.83
4706.0	2.18	55	14.3 7.2	2.90	0	20.55 7.82
4707.0	1.33	60	13.2 6.6	2.89	0	20.41 7.76
4708.0	0.09	81	8.4 2.9	2.87	0	20.29 7.71
4709.0	0.02	100	6.4 1.2	2.84	0	20.21 7.70
4710.0	0.80	80	12.1 4.4	2.83	0	20.14 7.70
4711.0	7.13	68	17.5 8.2	2.88	0	20.00 7.66
4712.0	1.27	90	13.1 5.2	2.86	0	19.83 7.62
4713.0	0.33	81	10.5 4.0	2.86	0	19.71 7.60
4714.0	0.07	98	8.0 1.4	2.86	0	19.61 7.59
4715.0	0.27	60	10.1 3.1	2.85	0	19.52 7.58
4716.0	0.52	55	11.3 4.0	2.85	0	19.42 7.53
4717.0	0.22	76	9.8 3.3	2.88	0	19.31 7.48
4718.0	0.00	100	3.9 0.0	2.86	0	19.22 7.47
4719.0	0.00	100	2.7 0.0	2.83	0	19.19 7.47
4720.0	0.00	100	2.2 0.0	2.83	0	19.16 7.47
4722.0	0.01	99	5.5 1.6	2.83	0	19.13 7.47
4723.0	0.55	92	11.4 4.8	2.86	0	19.06 7.47
4724.0	1.12	97	12.8 5.4	2.86	0	18.94 7.47
4725.0	1.55	84	13.6 5.7	2.87	0	18.81 7.46
4726.0	3.31	71	15.4 6.8	2.89	0	18.67 7.44
4727.0	2.49	78	14.7 6.0	2.89	0	18.52 7.40
4728.0	0.54	97	11.4 3.9	2.88	0	18.38 7.38
4729.0	0.28	96	10.2 3.3	2.87	0	18.27 7.37
4730.0	0.38	76	10.7 4.1	2.85	0	18.17 7.37
4731.0	1.07	66	12.7 5.2	2.87	0	18.06 7.33
4732.0	1.89	69	14.0 6.1	2.90	0	17.92 7.29
4733.0	1.96	73	14.1 6.9	2.90	0	17.78 7.25
4734.0	0.51	92	11.3 4.7	2.88	0	17.65 7.21
4735.0	0.44	68	11.0 3.3	2.87	0	17.54 7.21

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4736.0	1.39	61	13.3 4.4	2.88	0	17.42 7.16
4737.0	1.04	83	12.7 4.4	2.86	0	17.29 7.12
4738.0	1.54	74	13.5 5.1	2.87	0	17.16 7.10
4739.0	2.02	69	14.2 5.2	2.86	0	17.03 7.07
4740.0	2.85	79	15.0 5.7	2.86	0	16.89 7.02
4741.0	4.63	90	16.3 7.0	2.87	0	16.73 7.00
4742.0	4.67	84	16.3 7.0	2.90	0	16.57 6.98
4743.0	2.43	78	14.6 5.6	2.86	0	16.41 6.96
4744.0	2.46	82	14.6 5.4	2.87	0	16.26 6.92
4745.0	2.32	84	14.5 5.5	2.88	0	16.12 6.90
4746.0	0.58	90	11.5 4.2	2.89	0	15.98 6.88
4747.0	0.45	77	11.0 4.3	2.86	0	15.87 6.86
4748.0	2.71	71	14.9 6.6	2.88	0	15.75 6.83
4749.0	7.33	67	17.6 8.3	2.90	0	15.59 6.78
4750.0	4.21	63	16.0 6.4	2.88	0	15.41 6.72
4751.0	1.22	65	13.0 4.4	2.88	0	15.26 6.67
4752.0	1.12	62	12.8 4.7	2.86	0	15.13 6.62
4753.0	0.43	70	11.0 3.4	2.84	0	15.01 6.58
4754.0	0.22	72	9.8 2.6	2.85	0	14.90 6.54
4755.0	0.02	99	6.7 0.0	2.84	0	14.81 6.52
4756.0	0.08	93	8.2 1.5	2.86	0	14.74 6.52
4757.0	1.78	76	13.9 6.0	2.89	0	14.64 6.51
4758.0	4.70	69	16.3 7.6	2.88	0	14.49 6.47
4759.0	1.81	72	13.9 6.0	2.87	0	14.34 6.42
4760.0	1.71	74	13.8 6.9	2.88	0	14.19 6.38
4761.0	0.23	96	9.9 3.1	2.86	0	14.06 6.34
4762.0	0.00	100	4.5 0.0	2.83	0	13.97 6.34
4763.0	0.01	100	5.5 0.6	2.84	0	13.93 6.34
4764.0	0.06	75	8.0 2.8	2.87	0	13.87 6.34
4765.0	0.04	85	7.3 2.2	2.86	0	13.79 6.32
4766.0	0.15	94	9.2 2.6	2.85	0	13.71 6.31
4767.0	0.48	78	11.1 2.9	2.88	0	13.61 6.29
4768.0	0.79	73	12.1 3.2	2.86	0	13.50 6.27
4769.0	5.06	71	16.5 6.1	2.87	0	13.37 6.23
4770.0	7.15	68	17.5 6.7	2.87	0	13.20 6.18
4771.0	10.27	68	18.6 9.3	2.90	0	13.02 6.13
4772.0	5.22	77	16.6 8.3	2.89	0	12.84 6.07
4773.0	2.07	97	14.2 5.9	2.85	0	12.68 6.04
4774.0	2.36	96	14.5 6.0	2.85	0	12.53 6.04
4775.0	2.63	85	14.8 5.1	2.86	0	12.39 6.03
4776.0	4.84	78	16.4 5.7	2.86	0	12.24 6.01
4777.0	9.24	71	18.3 7.1	2.87	0	12.07 5.97
4778.0	14.43	67	19.7 8.5	2.89	0	11.88 5.91
4779.0	15.77	64	20.0 8.7	2.88	0	11.68 5.84
4780.0	6.83	73	17.4 7.4	2.90	0	11.48 5.77
4781.0	2.04	75	14.2 5.5	2.88	0	11.32 5.73
4782.0	2.04	73	14.2 6.0	2.89	0	11.18 5.70
4783.0	2.76	71	14.9 7.5	2.89	0	11.03 5.66

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
							POR-FT	HC-FT
4784.0	2.18	77	14.3	7.2	2.89	0	10.89	5.62
4785.0	3.37	71	15.4	7.4	2.89	0	10.74	5.59
4786.0	7.16	62	17.5	7.8	2.87	0	10.58	5.54
4787.0	32.36	51	22.5	10.8	2.89	0	10.39	5.46
4788.0	2.80	79	15.0	5.3	2.89	0	10.17	5.36
4789.0	0.19	82	9.5	3.1	2.84	0	10.04	5.34
4790.0	0.87	72	12.3	5.3	2.84	0	9.95	5.31
4791.0	9.29	60	18.3	8.0	2.90	0	9.81	5.27
4792.0	22.41	55	21.2	7.9	2.88	0	9.61	5.19
4793.0	4.56	64	16.2	4.4	2.87	0	9.42	5.11
4794.0	9.19	50	18.2	8.4	2.89	0	9.26	5.05
4795.0	1.92	64	14.1	4.8	2.89	0	9.08	4.96
4796.0	0.05	100	7.7	1.2	2.82	0	8.96	4.94
4797.0	0.37	97	10.7	4.1	2.84	0	8.88	4.94
4798.0	3.65	66	15.6	6.5	2.85	0	8.76	4.92
4799.0	2.67	66	14.8	6.1	2.85	0	8.60	4.86
4800.0	1.50	68	13.5	6.3	2.84	0	8.46	4.81
4801.0	1.59	57	13.6	6.3	2.86	0	8.32	4.77
4802.0	6.12	46	16.6	8.0	2.88	0	8.18	4.70
4803.0	7.44	44	16.9	7.2	2.88	0	8.01	4.61
4804.0	0.51	54	11.3	3.5	2.85	0	7.85	4.52
4805.0	0.13	57	9.0	3.0	2.85	0	7.75	4.48
4806.0	0.31	52	10.4	3.3	2.85	0	7.66	4.44
4807.0	0.26	50	10.1	2.3	2.84	0	7.56	4.39
4808.0	0.54	45	11.0	3.3	2.83	0	7.46	4.34
4809.0	6.21	38	15.7	6.6	2.90	0	7.33	4.27
4810.0	11.00	38	17.2	7.9	2.89	0	7.17	4.17
4811.0	9.21	38	16.8	6.9	2.88	0	7.00	4.06
4812.0	3.84	42	14.9	6.0	2.88	0	6.84	3.97
4813.0	8.08	34	15.7	7.4	2.89	0	6.69	3.88
4814.0	0.65	46	11.4	2.3	2.89	0	6.54	3.78
4815.0	1.21	54	13.0	2.6	2.86	0	6.43	3.73
4816.0	3.56	55	15.6	5.4	2.87	0	6.30	3.68
4817.0	2.31	53	14.5	5.1	2.85	0	6.13	3.59
4818.0	0.26	66	10.1	0.5	2.88	0	5.99	3.53
4819.0	0.07	100	8.2	0.0	2.86	0	5.90	3.51
4820.0	0.03	100	7.0	0.0	2.90	0	5.82	3.51
4821.0	0.04	100	7.4	1.5	2.83	0	5.75	3.51
4822.0	2.20	38	13.2	6.6	2.85	0	5.67	3.50
4823.0	0.54	40	10.6	4.4	2.84	0	5.54	3.41
4824.0	0.13	43	8.6	2.7	2.83	0	5.44	3.36
4825.0	0.53	37	10.3	3.6	2.83	0	5.35	3.31
4826.0	0.92	37	11.3	4.2	2.86	0	5.24	3.24
4827.0	0.44	36	9.9	4.2	2.83	0	5.14	3.17
4828.0	1.00	29	10.5	5.1	2.82	0	5.04	3.11
4829.0	0.66	32	10.2	3.9	2.83	0	4.93	3.04
4830.0	0.61	35	10.4	3.5	2.84	0	4.83	2.97
4831.0	0.26	39	9.3	2.4	2.87	0	4.73	2.90

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4832.0	0.01	55	5.4 0.0	2.84	0	4.65 2.86
4833.0	0.35	34	9.3 3.4	2.84	0	4.59 2.83
4834.0	0.30	34	9.1 2.3	2.83	0	4.49 2.76
4835.0	0.00	65	4.5 0.0	2.81	0	4.42 2.72
4836.0	0.05	49	7.7 2.9	2.84	0	4.37 2.70
4837.0	0.73	40	11.2 5.1	2.85	0	4.28 2.65
4838.0	0.69	41	11.1 5.1	2.87	0	4.17 2.59
4839.0	0.67	39	10.9 3.3	2.86	0	4.06 2.52
4840.0	1.81	32	12.0 4.9	2.82	0	3.94 2.45
4841.0	0.44	36	9.9 4.9	2.80	0	3.83 2.37
4842.0	0.33	45	10.1 5.1	2.89	0	3.73 2.31
4843.0	5.35	35	14.9 7.5	2.86	0	3.62 2.25
4844.0	2.61	38	13.5 6.8	2.84	0	3.47 2.16
4845.0	1.02	35	11.3 5.6	2.78	0	3.35 2.08
4846.0	1.55	30	11.5 5.8	2.80	0	3.24 2.01
4847.0	6.29	24	13.5 6.8	2.81	0	3.11 1.92
4848.0	2.95	25	12.1 4.2	2.86	0	2.98 1.82
4849.0	4.51	31	13.8 4.8	2.89	0	2.85 1.73
4850.0	12.60	28	16.0 5.6	2.88	0	2.70 1.62
4851.0	108.61	20	20.4 9.1	2.88	0	2.51 1.48
4852.0	25.02	27	17.7 8.0	2.89	0	2.32 1.32
4853.0	33.03	27	18.5 8.7	2.88	0	2.13 1.19
4854.0	12.49	25	15.3 6.7	2.89	0	1.95 1.06
4855.0	1.71	21	10.4 3.5	2.83	0	1.81 0.95
4856.0	0.32	29	8.7 2.4	2.84	0	1.72 0.88
4857.0	25.89	24	17.0 7.8	2.89	0	1.61 0.81
4858.0	134.85	20	21.1 10.6	2.89	0	1.43 0.66
4859.0	33.80	18	16.2 7.4	2.90	0	1.22 0.49
4860.0	0.05	35	6.9 1.3	2.87	0	1.08 0.38
4861.0	0.00	47	4.0 0.0	2.88	0	1.02 0.35
4862.0	0.01	35	5.5 0.8	2.86	0	0.98 0.32
4863.0	0.00	63	4.8 0.8	2.84	0	0.93 0.29
4864.0	0.00	64	4.9 0.5	2.84	0	0.88 0.27
4865.0	0.01	44	5.3 0.7	2.88	0	0.83 0.25
4866.0	0.02	44	6.1 1.6	2.89	0	0.77 0.22
4867.0	0.01	50	5.7 1.4	2.86	0	0.71 0.19
4868.0	0.00	63	4.4 0.0	2.83	0	0.66 0.16
4869.0	0.00	61	4.6 0.0	2.84	0	0.61 0.15
4870.0	0.00	100	2.8 0.0	2.85	0	0.57 0.13
4871.0	0.00	98	2.6 0.0	2.85	0	0.54 0.13
4876.0	0.00	87	4.2 0.2	2.84	0	0.47 0.13
4877.0	0.00	100	3.6 0.0	2.82	0	0.43 0.12
4878.0	0.00	84	4.4 0.5	2.83	0	0.39 0.12
4879.0	0.00	96	4.0 0.0	2.84	0	0.35 0.12
4880.0	0.00	61	5.0 1.4	2.84	0	0.31 0.11
4881.0	0.00	58	4.0 1.5	2.82	0	0.26 0.09
4882.0	0.00	70	3.1 1.0	2.83	0	0.22 0.08

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4883.0	0.00	63	3.2 0.6	2.83	0	0.19 0.07
4884.0	0.00	39	4.6 0.6	2.82	0	0.15 0.05
4885.0	0.00	46	4.6 0.4	2.80	0	0.11 0.02
4886.0	0.00	99	2.7 0.0	2.82	0	0.07 0.01
4887.0	0.00	100	2.5 0.0	2.84	0	0.04 0.01
4888.0	0.00	65	3.4 0.0	2.87	0	0.02 0.01