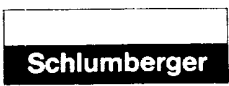

* CORRELATION *
!*****!
? SCHLUMBERGER ?

COMPANY PHILLIPS PETROLEUM COMPANY
WELL EAST VACUUM GRAYBURG SAN ANDRES 3229 #005
FIELD VACUUM GRAYBURG SAN ANDRES
COUNTY LEA
STATE NEW MEXICO
DATE 20-MAY-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		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
4032.0	0.00	100	3.4	0.0	2.83	0	49.13	29.95
4063.0	0.00	100	4.5	0.0	2.83	0	49.05	29.95
4064.0	0.00	100	2.7	0.0	2.80	14	49.01	29.95
4085.0	0.03	31	6.0	1.6	2.80	1	48.95	29.94
4086.0	0.00	58	3.0	0.0	2.81	4	48.89	29.90
4125.0	0.00	20	2.0	0.0	2.83	0	48.83	29.89
4135.0	0.00	100	3.7	0.0	2.81	0	48.78	29.87
4136.0	0.00	100	2.4	0.0	2.78	0	48.74	29.87
4177.0	0.00	100	2.2	0.0	2.82	0	48.72	29.87
4178.0	0.00	100	3.9	0.0	2.80	0	48.69	29.87
4179.0	0.00	100	3.6	0.0	2.80	5	48.66	29.87
4186.0	0.00	68	2.7	0.0	2.70	0	48.57	29.87
4187.0	0.00	84	3.2	0.0	2.70	0	48.55	29.86
4188.0	0.00	100	2.0	0.0	2.72	3	48.52	29.86
4189.0	0.00	100	2.6	0.0	2.74	1	48.50	29.86
4190.0	0.00	100	1.9	0.0	2.73	8	48.47	29.86
4191.0	0.00	100	2.4	0.0	2.73	5	48.45	29.86
4192.0	0.00	100	2.4	0.0	2.75	4	48.43	29.86
4193.0	0.00	100	2.3	0.0	2.78	2	48.40	29.86
4220.0	0.00	100	2.6	0.0	2.77	0	48.31	29.86
4221.0	0.00	100	2.6	0.0	2.77	2	48.28	29.86
4222.0	0.00	100	2.6	0.0	2.75	4	48.25	29.86
4224.0	0.00	99	3.0	0.0	2.71	6	48.21	29.86
4225.0	0.00	56	4.7	0.0	2.71	1	48.18	29.85
4226.0	0.02	43	6.0	0.0	2.71	0	48.13	29.83
4227.0	0.01	54	5.6	0.0	2.71	4	48.07	29.80
4228.0	0.00	67	3.9	0.0	2.72	10	48.02	29.78
4229.0	0.01	42	5.4	0.0	2.72	5	47.98	29.76
4230.0	0.00	66	3.0	0.0	2.76	2	47.93	29.74
4239.0	0.00	100	1.9	0.0	2.77	0	47.88	29.73
4240.0	0.00	100	3.2	0.0	2.78	0	47.86	29.73
4241.0	0.00	100	2.7	0.0	2.75	5	47.83	29.73
4242.0	0.00	100	2.4	0.0	2.76	5	47.80	29.73
4243.0	0.00	100	2.0	0.0	2.81	0	47.78	29.73
4246.0	0.00	31	2.8	0.0	2.82	0	47.76	29.73
4247.0	0.20	15	6.5	1.0	2.84	0	47.72	29.70
4248.0	0.01	19	4.5	0.0	2.79	0	47.65	29.64

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
4251.0	0.00	100	2.5	0.0	2.80	0	47.58	29.62
4254.0	0.00	100	3.4	0.0	2.79	0	47.52	29.62
4255.0	0.00	100	3.8	0.0	2.80	0	47.49	29.62
4256.0	0.00	100	2.7	0.0	2.77	6	47.45	29.62
4257.0	0.00	85	3.1	0.0	2.76	5	47.43	29.62
4258.0	0.00	100	2.2	0.0	2.77	4	47.40	29.61
4260.0	0.00	39	3.8	0.0	2.78	1	47.35	29.61
4261.0	0.03	25	5.7	0.0	2.79	1	47.31	29.58
4262.0	0.00	44	3.7	0.0	2.81	1	47.26	29.54
4265.0	0.00	100	3.3	0.0	2.87	0	47.21	29.53
4266.0	0.00	100	2.7	0.0	2.86	0	47.17	29.53
4270.0	0.00	100	2.9	0.0	2.76	6	47.11	29.53
4271.0	0.00	51	4.9	0.0	2.76	4	47.07	29.52
4272.0	0.00	57	4.0	0.0	2.80	4	47.03	29.50
4273.0	0.00	100	1.9	0.0	2.81	4	46.99	29.49
4277.0	0.00	99	1.9	0.0	2.78	0	46.95	29.49
4278.0	0.00	100	2.3	0.0	2.78	5	46.93	29.49
4279.0	0.00	70	4.7	0.0	2.78	5	46.90	29.49
4280.0	0.05	42	7.2	0.0	2.74	0	46.85	29.47
4281.0	0.18	25	7.5	0.0	2.72	0	46.77	29.42
4282.0	0.08	27	6.7	0.0	2.74	0	46.70	29.36
4283.0	0.04	30	6.2	0.0	2.75	0	46.63	29.32
4284.0	0.09	27	6.9	0.0	2.77	0	46.57	29.27
4285.0	0.00	49	4.9	0.0	2.78	1	46.50	29.23
4286.0	0.00	64	4.4	0.0	2.80	2	46.46	29.20
4287.0	0.00	100	2.8	0.0	2.82	3	46.41	29.19
4288.0	0.00	100	2.0	0.0	2.81	0	46.39	29.19
4296.0	0.00	100	2.4	0.0	2.77	0	46.32	29.19
4297.0	0.00	90	4.2	0.4	2.79	2	46.30	29.19
4298.0	0.00	100	2.3	0.2	2.81	0	46.26	29.19
4301.0	0.00	34	4.2	0.0	2.80	0	46.22	29.19
4302.0	5.44	10	10.0	3.0	2.78	0	46.17	29.14
4303.0	11.55	10	11.3	3.7	2.80	0	46.06	29.05
4304.0	10.30	11	11.4	3.6	2.82	0	45.95	28.94
4305.0	25.50	9	12.6	4.2	2.82	0	45.83	28.84
4306.0	167.71	7	17.3	6.9	2.86	0	45.69	28.71
4307.0	47.21	7	14.0	2.9	2.84	0	45.52	28.55
4308.0	2.33	11	9.0	0.7	2.82	0	45.39	28.44
4309.0	0.08	16	5.8	0.0	2.83	0	45.31	28.37
4310.0	0.00	28	3.6	0.0	2.82	0	45.26	28.33

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POP-FT	HC-FT
4311.0	0.00	45	4.1	0.0	2.78	1	45.23	28.30
4312.0	0.00	55	4.8	0.0	2.76	3	45.18	28.28
4313.0	0.00	100	1.9	0.0	2.78	3	45.14	28.27
4317.0	0.00	38	2.0	0.2	2.81	0	45.08	28.26
4318.0	0.00	39	2.2	0.0	2.84	0	45.06	28.24
4321.0	0.00	37	3.2	0.0	2.85	0	45.02	28.23
4322.0	0.00	60	2.1	0.0	2.85	0	44.99	28.21
4327.0	0.00	93	3.1	0.0	2.78	3	44.93	28.19
4328.0	0.00	64	4.9	0.0	2.76	2	44.90	28.19
4329.0	0.02	47	6.7	0.0	2.75	0	44.84	28.17
4330.0	0.13	37	8.1	0.0	2.75	0	44.77	28.13
4331.0	0.90	33	10.8	0.0	2.76	0	44.69	28.07
4332.0	1.29	29	11.0	0.4	2.80	0	44.58	28.00
4333.0	0.93	20	9.2	1.6	2.79	0	44.47	27.92
4334.0	0.00	87	4.5	0.0	2.78	6	44.39	27.86
4335.0	0.00	100	3.2	0.0	2.87	7	44.35	27.86
4337.0	0.00	100	2.3	0.0	2.81	0	44.31	27.86
4338.0	0.00	99	4.6	0.0	2.76	3	44.29	27.86
4339.0	0.04	61	7.4	0.0	2.76	3	44.23	27.85
4340.0	0.85	38	11.3	0.0	2.76	1	44.15	27.81
4341.0	0.88	33	10.8	0.0	2.76	2	44.04	27.74
4342.0	0.00	70	4.5	0.0	2.77	10	43.95	27.68
4343.0	0.00	100	3.4	0.0	2.80	10	43.91	27.68
4344.0	0.00	100	2.5	0.0	2.82	10	43.87	27.68
4345.0	0.00	98	2.6	0.0	2.81	0	43.85	27.68
4346.0	0.00	100	2.3	0.0	2.78	0	43.82	27.68
4347.0	0.03	67	7.1	0.0	2.79	4	43.80	27.68
4348.0	0.00	100	3.7	0.0	2.79	14	43.72	27.65
4349.0	0.00	99	3.2	0.0	2.79	0	43.68	27.65
4350.0	0.00	100	2.9	0.0	2.80	3	43.65	27.65
4352.0	0.00	80	2.2	0.0	2.80	0	43.62	27.65
4353.0	0.00	68	3.2	0.0	2.80	3	43.60	27.65
4354.0	0.00	65	3.5	0.3	2.83	4	43.56	27.63
4355.0	0.00	100	2.8	0.0	2.83	0	43.53	27.63
4361.0	0.01	11	3.3	0.0	2.80	0	43.47	27.62
4362.0	0.03	15	4.7	0.0	2.78	0	43.43	27.58
4363.0	0.00	37	3.1	0.0	2.78	0	43.38	27.55
4365.0	0.00	22	2.0	0.0	2.83	0	43.35	27.53
4367.0	0.00	24	2.0	0.0	2.82	0	43.32	27.51
4368.0	0.00	17	2.5	0.0	2.84	0	43.29	27.49

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
4369.0	0.00	16	2.9	0.0	2.86	0	43.27	27.47
4370.0	0.01	14	3.7	0.0	2.82	0	43.24	27.45
4371.0	0.29	9	6.0	0.0	2.79	0	43.20	27.41
4372.0	5.47	8	9.8	0.9	2.79	0	43.13	27.35
4373.0	4.71	10	9.7	1.5	2.79	0	43.03	27.26
4374.0	0.28	15	7.0	0.0	2.80	0	42.93	27.17
4375.0	0.08	17	5.8	0.0	2.81	0	42.87	27.12
4376.0	14.57	7	11.5	0.0	2.81	0	42.80	27.06
4377.0	45.51	8	13.9	4.3	2.79	0	42.67	26.94
4378.0	38.46	9	13.5	6.0	2.85	0	42.53	26.81
4379.0	0.74	13	7.7	1.5	2.83	0	42.41	26.71
4380.0	0.13	11	5.5	0.0	2.81	0	42.34	26.65
4381.0	0.01	15	3.8	0.0	2.81	0	42.29	26.60
4382.0	0.00	20	2.9	0.0	2.81	0	42.26	26.57
4383.0	0.43	8	6.4	0.0	2.79	0	42.22	26.54
4384.0	14.97	7	11.6	2.8	2.82	0	42.14	26.47
4385.0	16.58	8	11.8	2.2	2.81	0	42.02	26.36
4386.0	1.34	11	8.0	0.0	2.80	0	41.92	26.26
4387.0	0.55	11	7.0	0.0	2.80	0	41.84	26.20
4388.0	0.04	12	4.6	0.0	2.81	0	41.77	26.14
4390.0	0.02	10	3.9	0.0	2.79	0	41.72	26.09
4391.0	51.33	5	14.2	5.9	2.78	0	41.66	26.04
4392.0	366.26	5	19.7	4.4	2.82	0	41.49	25.88
4393.0	299.40	6	19.1	0.0	2.86	0	41.29	25.69
4394.0	15.18	7	11.6	0.0	2.81	0	41.11	25.53
4395.0	8.98	6	10.6	0.0	2.80	0	41.01	25.43
4396.0	18.46	6	12.0	0.1	2.82	0	40.89	25.32
4397.0	0.27	9	5.9	0.0	2.81	0	40.79	25.22
4398.0	1.07	6	7.4	0.0	2.83	0	40.73	25.17
4399.0	1.00	6	7.4	0.2	2.81	0	40.65	25.10
4400.0	0.34	6	6.1	0.0	2.81	0	40.58	25.03
4401.0	1.87	6	8.2	0.1	2.83	0	40.52	24.97
4402.0	4.20	6	9.4	1.0	2.84	0	40.43	24.89
4403.0	0.01	9	3.5	0.0	2.82	0	40.35	24.81
4404.0	0.00	14	2.1	0.0	2.81	0	40.32	24.79
4405.0	0.40	6	6.3	0.0	2.81	0	40.29	24.76
4406.0	1.81	6	8.1	0.6	2.82	0	40.22	24.70
4407.0	0.22	7	5.7	0.0	2.81	0	40.15	24.63
4408.0	12.57	6	11.2	0.7	2.81	0	40.08	24.57
4409.0	281.00	5	18.9	4.5	2.85	0	39.95	24.44
4410.0	155.61	5	17.1	3.4	2.86	0	39.76	24.26
4411.0	19.48	6	12.1	0.5	2.82	0	39.61	24.12
4412.0	245.59	5	18.4	4.8	2.88	0	39.47	24.00
4413.0	160.91	6	17.2	2.8	2.85	0	39.29	23.82
4414.0	130.35	6	16.6	3.4	2.81	0	39.12	23.67
4415.0	498.55	6	20.7	6.0	2.86	0	38.94	23.50
4416.0	607.98	6	21.4	4.4	2.87	0	38.74	23.31

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
4417.0	1012.15	6	23.3	6.5	2.88	0	38.52	23.11
4418.0	573.75	6	21.2	5.3	2.88	0	38.29	22.89
4419.0	15.29	7	11.6	0.0	2.84	0	38.11	22.72
4420.0	11.79	8	11.1	1.1	2.85	0	37.99	22.61
4421.0	3.27	10	9.1	0.0	2.83	0	37.89	22.52
4422.0	0.17	13	6.0	0.0	2.84	0	37.80	22.44
4423.0	0.07	11	4.9	0.0	2.83	0	37.75	22.40
4424.0	0.32	8	6.1	0.0	2.82	0	37.70	22.35
4425.0	0.61	8	6.8	0.0	2.82	0	37.64	22.29
4426.0	0.00	15	3.4	0.0	2.80	0	37.58	22.24
4428.0	0.02	8	3.8	0.0	2.81	0	37.53	22.20
4429.0	0.01	12	3.6	0.0	2.81	0	37.49	22.16
4430.0	0.11	10	5.1	0.0	2.81	0	37.45	22.13
4431.0	0.29	7	6.0	0.0	2.82	0	37.39	22.08
4432.0	0.04	8	4.3	0.0	2.83	0	37.34	22.03
4433.0	0.01	9	3.3	0.0	2.84	0	37.30	21.99
4434.0	0.00	15	2.5	0.0	2.85	0	37.27	21.96
4436.0	0.00	12	3.1	0.0	2.86	0	37.23	21.94
4437.0	0.20	9	5.6	0.1	2.85	0	37.19	21.90
4438.0	0.18	9	5.5	0.0	2.86	0	37.13	21.85
4439.0	0.03	11	4.2	0.0	2.86	0	37.08	21.80
4440.0	0.43	8	6.4	0.4	2.85	0	37.03	21.76
4441.0	0.29	9	6.0	0.0	2.84	0	36.97	21.70
4442.0	0.60	9	6.8	0.0	2.84	0	36.91	21.64
4443.0	2.72	8	8.7	0.2	2.84	0	36.83	21.57
4444.0	4.88	8	9.6	1.1	2.83	0	36.74	21.49
4445.0	3.99	8	9.3	1.2	2.84	0	36.64	21.40
4446.0	0.03	11	4.3	0.0	2.82	0	36.56	21.33
4447.0	0.00	21	2.2	0.0	2.83	0	36.53	21.30
4448.0	0.00	21	2.3	0.0	2.81	0	36.50	21.28
4456.0	0.08	8	4.8	0.0	2.76	0	36.47	21.26
4457.0	11.22	7	11.0	2.0	2.78	0	36.40	21.19
4458.0	2.21	10	8.6	0.0	2.82	0	36.29	21.10
4459.0	0.05	15	5.1	0.0	2.81	0	36.21	21.03
4460.0	0.00	20	2.9	0.0	2.76	0	36.17	20.99
4462.0	0.00	33	2.8	0.0	2.77	0	36.13	20.97
4464.0	0.00	35	2.1	0.0	2.81	0	36.09	20.95
4465.0	6.37	9	10.0	0.5	2.82	0	36.05	20.92
4466.0	158.33	7	17.1	3.8	2.88	0	35.93	20.81
4467.0	16.18	8	11.7	1.1	2.88	0	35.77	20.66
4468.0	5.07	8	9.7	2.0	2.81	0	35.67	20.56
4469.0	20.65	9	12.2	3.3	2.83	0	35.56	20.47
4470.0	25.00	10	12.6	2.6	2.85	0	35.44	20.36

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SCALE VOLUME %	CUMULATIVE INTEGRATIONS	
			PPHIAL %	SEC. %			POR-FT	HC-FT
4471.0	49.61	9	14.1	3.9	2.87	0	35.31	20.24
4472.0	58.90	8	14.5	4.0	2.87	0	35.17	20.11
4473.0	8.31	9	10.5	1.3	2.83	0	35.03	19.99
4474.0	0.25	14	6.6	0.0	2.83	0	34.94	19.90
4475.0	0.01	19	4.4	0.0	2.83	0	34.88	19.85
4476.0	0.03	12	4.5	0.0	2.83	0	34.84	19.82
4477.0	0.70	7	6.9	0.3	2.83	0	34.79	19.78
4478.0	28.24	6	12.9	4.8	2.85	0	34.71	19.70
4479.0	331.92	6	19.4	9.1	2.89	0	34.56	19.56
4480.0	277.29	7	18.8	7.4	2.88	0	34.36	19.38
4481.0	17.54	9	11.9	1.4	2.84	0	34.19	19.22
4482.0	9.90	8	10.8	0.0	2.82	0	34.08	19.12
4483.0	42.33	7	13.8	1.4	2.85	0	33.96	19.01
4484.0	25.52	8	12.6	2.1	2.87	0	33.82	18.88
4485.0	5.20	9	9.7	0.0	2.84	0	33.70	18.77
4486.0	2.78	9	8.7	0.3	2.85	0	33.60	18.68
4487.0	0.06	13	5.0	0.0	2.85	0	33.53	18.61
4488.0	0.12	8	5.2	0.0	2.85	0	33.48	18.57
4489.0	0.31	8	6.1	0.0	2.82	0	33.42	18.52
4490.0	0.85	8	7.2	0.0	2.80	0	33.36	18.46
4491.0	56.32	8	14.4	2.0	2.85	0	33.27	18.38
4492.0	156.66	7	17.1	6.1	2.88	0	33.11	18.23
4493.0	13.46	8	11.4	2.9	2.85	0	32.95	18.09
4494.0	2.74	8	8.7	0.9	2.82	0	32.85	17.99
4495.0	1.20	7	7.6	0.0	2.80	0	32.76	17.91
4496.0	3.46	8	9.1	0.2	2.81	0	32.69	17.85
4497.0	39.47	7	13.6	2.5	2.86	0	32.58	17.75
4498.0	43.82	8	13.8	3.7	2.87	0	32.45	17.62
4499.0	5.94	10	10.1	3.6	2.85	0	32.31	17.50
4500.0	1.64	8	8.0	2.2	2.82	0	32.22	17.42
4501.0	7.73	7	10.4	3.3	2.83	0	32.14	17.34
4502.0	21.98	8	12.3	4.1	2.85	0	32.03	17.24
4503.0	32.27	8	13.1	4.7	2.84	0	31.90	17.13
4504.0	153.09	7	17.0	6.7	2.86	0	31.76	17.00
4505.0	381.32	6	19.2	9.4	2.87	0	31.58	16.83
4506.0	202.53	6	17.9	6.3	2.88	0	31.39	16.65
4507.0	22.59	6	12.4	3.9	2.82	0	31.22	16.50
4508.0	1.85	6	8.2	2.5	2.76	0	31.11	16.39
4509.0	5.96	6	9.9	4.4	2.78	0	31.03	16.32
4510.0	43.58	7	13.8	6.2	2.85	0	30.92	16.21
4511.0	39.32	8	13.6	4.6	2.83	0	30.78	16.09
4512.0	33.63	7	13.2	4.1	2.79	0	30.65	15.96
4513.0	5.86	6	9.9	2.0	2.82	0	30.52	15.84
4514.0	0.39	7	6.3	0.0	2.84	0	30.44	15.76
4515.0	3.97	5	9.3	0.4	2.81	0	30.37	15.70
4516.0	14.06	5	11.4	3.4	2.81	0	30.27	15.60
4517.0	0.49	7	6.5	1.0	2.78	0	30.16	15.51
4518.0	2.90	6	8.8	1.4	2.81	0	30.10	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
4519.0	10.09	5	10.8	2.6	2.83	0	30.00	15.36
4520.0	2.85	6	8.8	0.7	2.82	0	29.90	15.26
4521.0	1.86	7	8.2	0.3	2.82	0	29.82	15.18
4522.0	3.13	8	8.9	0.4	2.83	0	29.73	15.10
4523.0	0.01	18	4.2	0.0	2.80	0	29.65	15.03
4524.0	0.00	24	2.7	0.0	2.83	0	29.62	15.01
4525.0	0.05	10	4.6	0.0	2.84	0	29.59	14.98
4526.0	0.45	8	6.5	0.4	2.83	0	29.54	14.94
4527.0	0.70	7	6.9	0.2	2.81	0	29.47	14.87
4528.0	0.20	7	5.6	0.0	2.82	0	29.40	14.81
4529.0	0.02	10	3.9	0.0	2.83	0	29.35	14.76
4532.0	0.00	100	4.4	0.0	2.85	0	29.28	14.74
4533.0	0.01	100	6.1	0.0	2.83	0	29.23	14.74
4534.0	0.00	100	4.7	0.0	2.83	10	29.17	14.74
4535.0	0.01	81	5.8	0.0	2.78	13	29.13	14.74
4536.0	0.08	56	8.2	0.0	2.76	9	29.07	14.71
4537.0	0.01	98	5.5	0.0	2.80	17	28.99	14.68
4538.0	0.00	100	3.0	0.0	2.83	19	28.94	14.68
4539.0	0.00	100	3.9	0.6	2.85	13	28.91	14.68
4540.0	0.00	100	3.6	0.4	2.86	10	28.87	14.68
4541.0	0.00	100	4.2	0.0	2.84	1	28.83	14.68
4542.0	0.00	100	3.3	0.5	2.86	9	28.79	14.68
4543.0	0.00	100	2.7	0.0	2.85	0	28.75	14.68
4544.0	0.00	100	2.0	0.0	2.86	0	28.73	14.68
4545.0	0.00	100	2.9	0.0	2.85	0	28.71	14.68
4546.0	0.00	100	2.3	0.5	2.88	18	28.68	14.68
4547.0	0.00	100	3.0	0.5	2.84	18	28.65	14.68
4548.0	0.00	100	3.6	0.3	2.82	17	28.62	14.68
4549.0	0.00	82	5.0	0.4	2.87	20	28.58	14.68
4550.0	0.00	100	2.5	0.7	2.89	21	28.53	14.68
4551.0	0.00	100	2.0	0.0	2.84	0	28.50	14.68
4555.0	0.00	100	4.5	0.0	2.87	0	28.47	14.68
4556.0	0.00	100	3.1	0.0	2.87	0	28.43	14.68
4557.0	0.00	100	2.4	0.0	2.86	0	28.40	14.68
4558.0	0.25	27	8.2	1.7	2.84	0	28.37	14.67
4559.0	24.95	8	12.6	4.4	2.86	0	28.27	14.59
4560.0	15.12	8	11.6	4.5	2.84	0	28.15	14.48
4561.0	10.16	7	10.8	4.5	2.83	0	28.04	14.38
4562.0	6.20	8	10.0	4.2	2.83	0	27.93	14.28
4563.0	1.33	9	7.7	1.9	2.81	0	27.84	14.19
4564.0	11.08	8	11.0	5.2	2.82	0	27.76	14.12
4565.0	46.20	8	14.0	7.0	2.80	0	27.63	14.01
4566.0	39.56	8	13.6	6.1	2.81	0	27.50	13.88
4567.0	12.13	8	11.2	3.8	2.83	0	27.36	13.76
4568.0	0.68	9	6.9	0.4	2.82	0	27.26	13.67
4569.0	0.25	9	5.9	0.0	2.82	0	27.20	13.61

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % %		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT	
4570.0	0.19	10	5.7	0.1	2.81	0	27.14	13.56
4571.0	4.49	8	9.5	3.2	2.82	0	27.07	13.49
4572.0	3.06	9	8.9	2.2	2.80	0	26.97	13.41
4573.0	0.12	14	5.9	0.0	2.82	0	26.89	13.33
4574.0	0.00	68	2.5	0.0	2.84	2	26.84	13.29
4575.0	0.00	100	2.2	0.0	2.84	0	26.82	13.29
4576.0	0.00	100	2.0	0.0	2.80	0	26.80	13.29
4577.0	0.04	16	5.1	2.2	2.77	0	26.78	13.28
4578.0	0.24	12	6.2	2.0	2.79	0	26.72	13.23
4579.0	0.35	12	6.7	0.9	2.79	0	26.66	13.18
4580.0	6.29	8	10.0	2.8	2.77	0	26.59	13.11
4581.0	42.81	8	13.8	2.9	2.79	0	26.47	13.01
4582.0	112.17	8	16.2	3.5	2.86	0	26.33	12.88
4583.0	76.85	9	15.2	2.8	2.88	0	26.16	12.73
4584.0	54.79	9	14.4	2.7	2.85	0	26.01	12.59
4585.0	38.37	10	13.8	3.9	2.84	0	25.87	12.46
4586.0	40.54	10	13.8	5.1	2.87	0	25.73	12.34
4587.0	61.58	9	14.6	5.5	2.88	0	25.59	12.21
4588.0	14.49	9	11.5	1.6	2.85	0	25.45	12.08
4589.0	4.78	11	9.9	1.7	2.83	0	25.34	11.99
4590.0	5.43	11	10.1	2.0	2.85	0	25.24	11.89
4591.0	2.14	10	8.6	0.0	2.81	0	25.14	11.81
4592.0	2.40	10	8.7	0.1	2.82	0	25.05	11.73
4593.0	1.60	11	8.4	0.0	2.84	0	24.97	11.65
4594.0	8.31	10	10.5	1.4	2.85	0	24.88	11.57
4595.0	9.64	10	10.8	1.4	2.85	0	24.77	11.48
4596.0	9.11	10	10.8	1.5	2.87	0	24.66	11.38
4597.0	11.17	10	11.2	1.6	2.86	0	24.55	11.28
4598.0	3.09	12	9.6	0.0	2.85	0	24.45	11.19
4599.0	9.45	11	11.1	1.8	2.87	0	24.35	11.10
4600.0	9.93	10	11.1	2.4	2.85	0	24.24	11.00
4601.0	3.16	12	9.5	0.7	2.83	0	24.13	10.91
4602.0	2.65	11	9.0	0.6	2.82	0	24.04	10.82
4603.0	4.31	10	9.6	1.0	2.83	0	23.94	10.74
4604.0	14.77	9	11.5	0.8	2.83	0	23.85	10.65
4605.0	44.94	9	13.9	1.4	2.85	0	23.72	10.54
4606.0	54.87	9	14.4	1.7	2.87	0	23.58	10.41
4607.0	39.23	9	13.6	2.0	2.86	0	23.44	10.29
4608.0	21.59	10	12.6	1.9	2.85	0	23.30	10.17
4609.0	8.78	11	11.2	0.5	2.84	0	23.18	10.06
4610.0	28.27	10	12.9	3.0	2.83	0	23.07	9.96
4611.0	62.24	9	14.7	4.4	2.84	0	22.93	9.84
4612.0	80.27	9	15.3	4.4	2.86	0	22.79	9.70
4613.0	56.94	10	14.6	4.2	2.85	0	22.63	9.56
4614.0	71.42	10	15.1	4.0	2.87	0	22.49	9.43
4615.0	146.53	10	17.1	4.7	2.87	0	22.33	9.29
4616.0	134.28	10	17.2	4.4	2.85	0	22.15	9.13
4617.0	57.87	12	15.5	3.1	2.86	0	21.98	8.98

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL, SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT		
4618.0	46.43	12	15.1	3.1	2.86	0	21.83	8.85
4619.0	40.51	13	14.9	3.5	2.86	0	21.68	8.71
4620.0	34.55	13	14.5	3.7	2.84	0	21.53	8.58
4621.0	45.88	12	14.9	3.8	2.86	0	21.38	8.46
4622.0	33.69	13	14.5	3.3	2.86	0	21.23	8.33
4623.0	43.59	12	14.8	4.3	2.85	0	21.09	8.20
4624.0	36.65	11	14.0	4.7	2.84	0	20.94	8.07
4625.0	4.93	11	10.2	1.7	2.84	0	20.81	7.95
4626.0	1.73	11	8.6	0.2	2.85	0	20.71	7.87
4627.0	1.35	12	8.3	0.0	2.85	0	20.63	7.79
4628.0	0.17	13	6.1	0.0	2.82	0	20.55	7.73
4629.0	0.41	11	6.7	1.4	2.85	0	20.49	7.68
4630.0	0.04	15	4.9	0.0	2.85	0	20.43	7.62
4631.0	0.09	19	6.2	0.0	2.83	0	20.38	7.58
4632.0	11.85	12	12.1	1.4	2.84	0	20.30	7.52
4633.0	27.50	14	14.5	3.6	2.87	0	20.17	7.40
4634.0	23.48	15	14.4	4.8	2.87	0	20.03	7.28
4635.0	3.17	17	10.8	2.4	2.85	0	19.89	7.16
4636.0	1.50	15	9.1	1.2	2.84	0	19.79	7.08
4637.0	0.80	15	8.2	0.1	2.84	0	19.70	7.01
4638.0	1.68	13	9.0	0.6	2.84	0	19.62	6.94
4639.0	3.33	12	9.7	0.8	2.84	0	19.52	6.85
4640.0	2.40	13	9.5	0.4	2.83	0	19.43	6.77
4641.0	6.16	12	10.7	1.6	2.85	0	19.33	6.69
4642.0	25.27	10	12.9	4.1	2.88	0	19.22	6.58
4643.0	15.49	12	12.5	3.5	2.88	0	19.09	6.47
4644.0	5.47	14	11.1	2.7	2.85	0	18.96	6.36
4645.0	0.93	15	8.4	0.9	2.82	0	18.86	6.28
4646.0	1.91	10	8.4	0.8	2.84	0	18.78	6.20
4647.0	0.81	12	7.7	0.0	2.84	0	18.70	6.13
4648.0	0.30	16	7.1	0.0	2.81	0	18.62	6.07
4649.0	0.20	16	6.6	0.4	2.82	0	18.55	6.01
4650.0	0.10	14	5.9	0.7	2.83	0	18.49	5.95
4651.0	0.00	24	3.6	0.0	2.85	0	18.43	5.91
4652.0	0.00	29	2.4	0.0	2.85	0	18.40	5.89
4653.0	0.03	14	4.7	0.4	2.82	0	18.37	5.87
4654.0	1.14	11	7.9	2.1	2.81	0	18.32	5.82
4655.0	0.25	16	7.0	1.3	2.79	0	18.24	5.75
4656.0	0.35	14	6.9	1.3	2.79	0	18.17	5.69
4657.0	0.97	11	7.8	1.2	2.81	0	18.10	5.63
4658.0	0.61	14	7.6	1.0	2.86	0	18.02	5.56
4659.0	0.18	17	6.6	0.0	2.86	0	17.95	5.50
4660.0	0.01	19	4.1	0.0	2.84	0	17.88	5.45
4662.0	0.00	39	2.5	0.0	2.82	0	17.84	5.41
4663.0	0.00	100	2.0	0.0	2.82	0	17.81	5.40
4664.0	0.00	100	2.6	0.4	2.84	2	17.79	5.40
4665.0	0.00	44	4.9	0.2	2.85	0	17.76	5.40

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
4666.0	0.00	31	4.0	0.0	2.83	0	17.71	5.37
4667.0	0.00	48	3.0	0.0	2.81	0	17.68	5.34
4669.0	0.00	100	2.3	0.0	2.81	1	17.64	5.34
4670.0	0.00	44	3.1	0.0	2.81	0	17.61	5.33
4671.0	0.00	43	2.5	0.0	2.84	0	17.58	5.31
4672.0	0.00	39	2.9	0.0	2.84	0	17.55	5.30
4673.0	0.01	26	4.2	0.4	2.80	0	17.52	5.28
4674.0	0.27	20	7.6	2.2	2.79	0	17.47	5.24
4675.0	3.24	17	10.7	4.2	2.82	0	17.39	5.17
4676.0	1.94	17	10.0	3.5	2.81	0	17.28	5.08
4677.0	2.36	15	9.9	3.4	2.86	0	17.18	5.00
4678.0	0.02	19	4.7	0.6	2.85	0	17.09	4.92
4682.0	0.00	62	3.0	0.0	2.82	0	17.03	4.90
4683.0	0.37	25	8.6	3.2	2.83	0	16.98	4.87
4684.0	0.44	35	9.8	3.7	2.83	0	16.89	4.81
4685.0	0.97	33	11.0	4.3	2.85	0	16.79	4.74
4686.0	0.66	39	10.9	3.4	2.85	0	16.68	4.67
4687.0	0.96	44	12.0	4.9	2.86	0	16.57	4.60
4688.0	0.24	96	3.9	2.4	2.86	0	16.45	4.54
4689.0	0.43	99	10.9	1.3	2.87	0	16.35	4.54
4690.0	2.12	77	14.3	4.1	2.88	0	16.23	4.53
4691.0	2.70	81	14.9	4.0	2.87	0	16.09	4.50
4692.0	2.90	85	15.0	3.5	2.86	0	15.94	4.47
4693.0	3.28	79	15.4	3.4	2.86	0	15.78	4.44
4694.0	2.29	84	14.5	2.6	2.85	0	15.63	4.42
4695.0	3.16	67	15.3	4.4	2.87	0	15.49	4.39
4696.0	2.02	63	14.2	4.2	2.86	0	15.34	4.34
4697.0	1.22	62	13.0	3.0	2.83	0	15.20	4.29
4698.0	1.87	56	14.0	3.6	2.81	0	15.07	4.24
4699.0	1.87	64	14.0	3.8	2.82	0	14.93	4.18
4700.0	2.52	72	14.7	4.1	2.85	0	14.79	4.13
4701.0	3.21	68	15.3	3.9	2.87	0	14.64	4.09
4702.0	2.35	72	14.5	2.3	2.86	0	14.49	4.04
4703.0	2.62	69	14.8	2.8	2.86	0	14.34	4.00
4704.0	2.98	64	15.1	4.0	2.85	0	14.19	3.96
4705.0	1.37	67	13.3	2.6	2.85	0	14.04	3.90
4706.0	0.69	75	11.9	1.4	2.86	0	13.92	3.87
4707.0	0.73	62	11.9	3.2	2.86	0	13.80	3.83
4708.0	0.32	53	10.4	2.8	2.84	0	13.68	3.79
4709.0	1.32	43	12.6	4.0	2.84	0	13.57	3.73
4710.0	3.04	54	15.2	5.7	2.85	0	13.44	3.66
4711.0	4.80	54	16.4	5.2	2.84	0	13.28	3.58
4712.0	5.23	53	16.6	5.2	2.83	0	13.12	3.51
4713.0	5.35	49	16.6	5.9	2.82	0	12.95	3.43
4714.0	0.78	47	11.9	3.4	2.82	0	12.79	3.34
4715.0	0.14	74	9.1	1.9	2.82	0	12.68	3.29

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
4716.0	0.79	66	12.1	3.5	2.85	0	12.58	3.27
4717.0	1.23	65	13.0	3.6	2.84	0	12.46	3.23
4718.0	1.44	62	13.4	3.9	2.83	0	12.33	3.18
4719.0	1.02	60	12.6	3.6	2.83	0	12.20	3.13
4720.0	1.08	63	12.8	4.0	2.85	0	12.07	3.09
4721.0	1.95	61	14.1	4.4	2.85	0	11.94	3.04
4722.0	1.36	54	13.3	4.0	2.87	1	11.80	2.98
4723.0	0.01	99	5.5	0.0	2.84	6	11.68	2.93
4724.0	0.00	100	4.9	0.0	2.83	3	11.63	2.93
4725.0	0.72	48	11.8	4.8	2.86	1	11.57	2.92
4726.0	0.32	47	10.3	3.2	2.84	0	11.45	2.85
4727.0	0.04	81	7.4	1.7	2.83	0	11.36	2.81
4728.0	0.71	76	11.9	4.3	2.87	0	11.27	2.80
4729.0	2.44	68	14.6	4.3	2.87	0	11.14	2.76
4730.0	1.61	60	13.6	3.9	2.84	0	11.00	2.71
4731.0	1.45	54	13.4	4.1	2.83	0	10.87	2.66
4732.0	0.94	61	12.5	4.4	2.82	0	10.73	2.60
4733.0	0.34	67	10.6	2.5	2.80	0	10.61	2.55
4734.0	0.51	51	11.3	3.7	2.83	0	10.50	2.51
4735.0	0.11	56	8.7	2.0	2.83	0	10.40	2.46
4736.0	0.02	63	6.8	0.3	2.83	0	10.32	2.43
4737.0	0.02	70	6.7	0.0	2.84	0	10.25	2.41
4738.0	0.03	71	7.2	0.0	2.86	0	10.18	2.39
4739.0	0.03	86	6.9	0.0	2.83	0	10.11	2.37
4740.0	0.31	62	10.3	1.9	2.85	0	10.03	2.35
4741.0	0.51	73	11.3	1.8	2.87	0	9.93	2.31
4742.0	0.16	98	9.3	1.0	2.86	0	9.81	2.29
4743.0	0.02	99	6.6	0.0	2.84	0	9.73	2.28
4744.0	0.02	64	6.8	0.0	2.84	0	9.66	2.27
4745.0	0.17	70	9.3	1.6	2.86	0	9.59	2.25
4746.0	0.07	92	8.0	0.6	2.83	0	9.49	2.22
4747.0	0.01	76	5.7	0.0	2.83	0	9.42	2.22
4748.0	0.04	64	7.3	0.7	2.80	0	9.36	2.21
4749.0	0.36	60	10.6	2.6	2.81	0	9.28	2.18
4750.0	0.39	60	10.8	2.5	2.83	0	9.17	2.13
4751.0	0.16	56	9.3	1.5	2.83	0	9.07	2.09
4752.0	0.04	56	7.4	1.5	2.83	0	8.98	2.05
4753.0	0.01	69	5.5	0.0	2.84	0	8.91	2.02
4754.0	0.00	66	4.2	0.0	2.84	0	8.86	2.01
4755.0	0.00	65	4.6	0.0	2.83	0	8.82	1.99
4756.0	0.04	51	7.4	1.8	2.85	0	8.76	1.97
4757.0	0.02	55	6.3	0.0	2.84	0	8.69	1.93
4758.0	0.00	69	5.0	0.0	2.84	0	8.63	1.91
4759.0	0.01	61	5.9	0.0	2.83	0	8.58	1.89
4760.0	0.00	74	4.7	0.0	2.83	0	8.52	1.87
4761.0	0.00	72	5.1	0.0	2.82	0	8.47	1.86
4762.0	0.07	64	8.1	2.7	2.84	0	8.42	1.84
4763.0	0.09	67	8.5	2.3	2.85	0	8.33	1.81

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL	SEC.			POR-FT	HC-FT
4764.0	0.04	79	7.2	1.4	2.83	0	8.25	1.79
4765.0	0.05	85	7.6	1.6	2.83	0	8.18	1.78
4766.0	0.12	92	8.8	2.3	2.85	0	8.10	1.77
4767.0	0.16	98	9.3	2.0	2.84	0	8.01	1.76
4768.0	0.04	100	7.3	0.0	2.84	0	7.92	1.76
4769.0	0.01	100	6.0	0.0	2.82	0	7.85	1.76
4770.0	0.01	75	5.2	0.0	2.80	0	7.80	1.76
4771.0	0.01	81	5.5	0.0	2.81	0	7.75	1.75
4772.0	0.01	68	5.3	0.0	2.83	0	7.69	1.74
4773.0	0.00	100	3.2	0.0	2.84	0	7.64	1.73
4774.0	0.00	100	2.9	0.0	2.85	0	7.61	1.73
4775.0	0.00	100	3.9	0.0	2.83	0	7.58	1.73
4776.0	0.00	100	4.0	0.0	2.84	0	7.54	1.73
4777.0	0.00	100	4.3	0.0	2.84	0	7.50	1.73
4778.0	0.01	78	6.1	0.0	2.83	0	7.46	1.73
4779.0	0.13	69	8.9	1.0	2.83	0	7.39	1.72
4780.0	0.07	75	8.1	2.4	2.84	0	7.30	1.69
4781.0	0.00	100	4.1	0.3	2.84	0	7.23	1.68
4782.0	0.01	75	5.7	0.2	2.85	0	7.19	1.68
4783.0	0.03	59	7.1	0.6	2.83	0	7.13	1.66
4784.0	0.01	80	5.4	0.0	2.83	0	7.06	1.64
4785.0	0.01	76	5.7	0.0	2.85	0	7.01	1.63
4786.0	0.01	76	5.9	0.1	2.83	0	6.95	1.61
4787.0	0.00	99	4.6	0.0	2.82	0	6.89	1.60
4788.0	0.00	100	3.5	0.0	2.84	0	6.85	1.60
4789.0	0.00	100	3.0	0.0	2.84	0	6.82	1.60
4790.0	0.00	100	4.1	0.0	2.84	0	6.79	1.60
4791.0	0.02	95	6.4	0.0	2.84	0	6.74	1.60
4792.0	0.02	92	6.8	0.1	2.84	0	6.67	1.60
4793.0	0.06	69	7.8	0.7	2.85	0	6.61	1.59
4794.0	0.03	65	6.9	0.1	2.85	0	6.53	1.57
4795.0	0.00	66	4.5	0.0	2.85	0	6.47	1.55
4796.0	0.02	45	6.2	0.0	2.83	0	6.42	1.53
4797.0	0.12	53	8.8	1.2	2.83	0	6.35	1.49
4798.0	0.22	55	9.8	2.2	2.83	0	6.26	1.45
4799.0	0.37	55	10.7	3.2	2.84	0	6.16	1.41
4800.0	0.10	69	8.6	1.5	2.83	0	6.06	1.36
4801.0	0.01	91	5.7	0.0	2.82	0	5.98	1.35
4802.0	0.01	74	5.9	0.0	2.82	0	5.93	1.34
4803.0	0.02	61	6.6	0.3	2.83	0	5.87	1.32
4804.0	0.09	49	8.4	1.9	2.84	0	5.79	1.29
4805.0	0.01	69	5.5	0.0	2.84	0	5.71	1.25
4806.0	0.00	57	4.6	0.0	2.81	0	5.67	1.24
4807.0	0.05	34	6.8	0.8	2.81	0	5.61	1.21
4808.0	0.00	46	5.0	0.0	2.83	0	5.55	1.17
4809.0	0.00	100	2.1	0.0	2.84	0	5.51	1.15
4810.0	0.00	100	2.0	0.0	2.86	0	5.49	1.15
4811.0	0.00	83	4.9	0.0	2.84	0	5.46	1.15

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
4812.0	0.01	81	6.2	0.6	2.83	0	5.41	1.14
4813.0	0.02	75	6.3	0.3	2.83	0	5.34	1.13
4814.0	0.00	91	4.9	0.0	2.81	0	5.29	1.12
4815.0	0.02	71	6.8	0.3	2.83	0	5.23	1.11
4816.0	0.02	64	6.5	0.5	2.83	0	5.16	1.09
4817.0	0.00	84	3.7	0.0	2.83	0	5.11	1.07
4818.0	0.00	100	2.3	0.0	2.86	0	5.07	1.07
4820.0	0.00	100	2.2	0.0	2.83	0	5.03	1.07
4821.0	0.00	100	4.9	0.5	2.82	0	5.00	1.07
4822.0	0.03	95	6.9	1.0	2.82	0	4.95	1.07
4823.0	0.01	100	6.1	0.0	2.83	0	4.88	1.07
4824.0	0.04	99	7.4	0.6	2.84	0	4.81	1.07
4825.0	0.08	97	8.3	1.5	2.85	0	4.73	1.07
4826.0	0.06	100	7.8	0.8	2.84	0	4.65	1.07
4827.0	0.18	98	9.4	1.5	2.84	0	4.57	1.06
4828.0	0.24	95	9.9	2.1	2.83	0	4.47	1.06
4829.0	0.32	89	10.4	2.4	2.84	0	4.37	1.05
4830.0	0.24	93	9.9	2.0	2.85	0	4.27	1.04
4831.0	0.02	100	6.6	0.0	2.85	0	4.17	1.04
4832.0	0.01	100	5.6	0.0	2.86	0	4.11	1.04
4833.0	0.00	100	4.9	0.0	2.87	0	4.05	1.04
4834.0	0.01	100	5.6	0.0	2.84	0	4.00	1.04
4835.0	0.01	93	5.5	0.0	2.82	0	3.95	1.03
4836.0	0.00	99	4.5	0.0	2.82	0	3.89	1.03
4837.0	0.00	97	4.2	0.0	2.80	0	3.85	1.03
4838.0	0.01	81	5.4	0.0	2.85	0	3.80	1.03
4839.0	0.01	99	5.5	0.0	2.87	0	3.75	1.02
4840.0	0.00	91	4.9	0.0	2.84	0	3.70	1.02
4841.0	0.01	70	5.9	0.0	2.82	0	3.65	1.01
4842.0	0.01	70	5.8	0.0	2.82	0	3.59	1.00
4843.0	0.01	100	5.7	0.0	2.81	0	3.53	0.98
4844.0	0.66	96	11.8	2.7	2.87	0	3.46	0.98
4845.0	2.15	77	14.3	4.4	2.86	0	3.33	0.97
4846.0	1.18	70	12.9	3.6	2.83	0	3.19	0.93
4847.0	0.94	61	12.5	3.9	2.84	0	3.06	0.89
4848.0	0.90	52	12.4	4.3	2.83	0	2.94	0.84
4849.0	0.47	49	11.0	4.1	2.83	0	2.81	0.78
4850.0	0.04	55	7.4	1.3	2.82	0	2.71	0.73
4851.0	0.03	60	7.0	1.7	2.83	0	2.64	0.70
4852.0	0.04	62	7.4	1.3	2.85	0	2.57	0.67
4853.0	0.12	59	8.9	2.1	2.84	0	2.49	0.64
4854.0	0.15	56	9.2	2.1	2.82	0	2.40	0.60
4855.0	0.05	62	7.5	0.9	2.82	0	2.31	0.56
4856.0	0.04	55	7.4	1.8	2.83	0	2.24	0.54
4857.0	0.11	45	8.5	3.1	2.79	0	2.16	0.50
4858.0	0.06	49	7.8	2.7	2.79	0	2.08	0.46
4859.0	0.11	41	8.3	2.9	2.81	0	2.00	0.42

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY		MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
			TOTAL %	SEC. %			POR-FT	HC-FT
4860.0	0.03	54	7.1	2.8	2.83	0	1.92	0.37
4864.0	0.00	99	2.3	0.0	2.81	0	1.82	0.35
4865.0	0.00	100	3.2	0.0	2.83	0	1.80	0.35
4866.0	0.01	100	5.7	0.3	2.84	0	1.76	0.35
4867.0	0.11	90	8.7	3.2	2.85	0	1.70	0.35
4868.0	0.04	100	7.4	1.4	2.83	0	1.61	0.34
4869.0	0.28	99	10.2	3.1	2.84	0	1.53	0.34
4870.0	0.75	76	12.0	4.5	2.86	0	1.42	0.34
4871.0	0.13	92	9.0	2.9	2.85	0	1.30	0.32
4872.0	0.02	82	6.4	1.5	2.84	0	1.22	0.31
4873.0	0.08	51	8.2	3.1	2.85	0	1.16	0.30
4874.0	0.36	63	10.6	3.6	2.84	0	1.07	0.25
4875.0	0.08	90	8.3	1.1	2.81	0	0.97	0.22
4876.0	0.06	75	7.8	0.6	2.82	0	0.88	0.21
4877.0	0.07	64	8.0	0.8	2.81	0	0.80	0.19
4878.0	0.05	80	7.7	0.5	2.79	0	0.72	0.16
4879.0	0.06	84	7.9	0.7	2.80	0	0.64	0.15
4880.0	0.07	84	8.2	1.0	2.81	0	0.56	0.13
4881.0	0.16	69	9.3	2.0	2.79	0	0.48	0.12
4882.0	0.15	72	9.2	2.0	2.79	0	0.39	0.09
4883.0	0.14	73	9.1	1.9	2.79	0	0.30	0.07
4884.0	0.18	70	9.5	2.3	2.79	0	0.20	0.04
4885.0	0.15	72	9.1	2.9	2.76	2	0.11	0.01
4886.0	0.02	100	6.3	0.0	2.76	1	0.03	0.00

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* SCHLUMBERGER *
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COMPANY PHILLIPS PETROLEUM COMPANY

WELL EVGSAU #3229-005

FIELD VACUUM

COUNTY LEA

STATE NEW MEXICO

DATE 22-MAY-79

PERMIAN BASIN COMPUTING CENTER




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COMPANY PHILLIPS PETROLEUM COMPANY

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DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4000.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4001.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4002.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4003.0	0.3	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4004.0	0.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4005.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4006.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4007.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4008.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4009.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4010.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4011.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4012.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4013.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4014.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4015.0	1.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4016.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4017.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4018.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4019.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4020.0	0.2	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4021.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4022.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4023.0	0.2	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4024.0	0.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4025.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4026.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4027.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4028.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4029.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4030.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4031.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4032.0	3.4	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4033.0	0.5	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4034.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4035.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4036.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4037.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4038.0	0.2	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4039.0	0.3	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4040.0	0.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4041.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4042.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4043.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4044.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4045.0	0.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4046.0	0.6	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4047.0	0.2	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4048.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4049.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4050.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4051.0	0.3	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4052.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4053.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4054.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4055.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4056.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4057.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4058.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4059.0	0.0	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4060.0	0.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4061.0	1.6	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4062.0	1.1	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4063.0	4.5	100.	31.60	0.00	0.00	0.00	8885.77	60.30	9927.36
4064.0	2.7	32.	31.59	0.00	0.00	0.00	8885.77	60.30	9927.36
4065.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4066.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4067.0	0.1	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4068.0	0.2	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4069.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4070.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4071.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4072.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4073.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4074.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4075.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4076.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4077.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4078.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4079.0	0.1	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4080.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4081.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4082.0	0.0	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4083.0	0.3	100.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4084.0	1.8	33.	31.58	0.00	0.00	0.00	8885.77	60.30	9927.36
4085.0	6.0	29.	31.56	0.00	0.00	0.01	8885.77	60.30	9927.36
4086.0	3.0	16.	31.51	0.00	0.00	0.00	8885.76	60.30	9927.34
4087.0	0.7	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4088.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4089.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4090.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4091.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4092.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4093.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4094.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4095.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CHM HC-FT	PERM HC	PERM WATER	PEFM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4096.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4097.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4098.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4099.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4100.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4101.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4102.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4103.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4104.0	0.5	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4105.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4106.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4107.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4108.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4109.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4110.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4111.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4112.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4113.0	0.1	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4114.0	0.4	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4115.0	0.5	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4116.0	0.5	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4117.0	0.3	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4118.0	0.2	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4119.0	0.4	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4120.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4121.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4122.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4123.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4124.0	0.0	100.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4125.0	2.0	40.	31.49	0.00	0.00	0.00	8885.76	60.30	9927.34
4126.0	1.5	56.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4127.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4128.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4129.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4130.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4131.0	0.8	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4132.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4133.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4134.0	0.3	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4135.0	3.7	100.	31.48	0.00	0.00	0.00	8885.76	60.30	9927.34
4136.0	2.4	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4137.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4138.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4139.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4140.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4141.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4142.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4143.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4144.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4145.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4146.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4147.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4148.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4149.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4150.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4151.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4152.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4153.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4154.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4155.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4156.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4157.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4158.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4159.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4160.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4161.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4162.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4163.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4164.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4165.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4166.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4167.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4168.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4169.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4170.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4171.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4172.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4173.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4174.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4175.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4176.0	0.0	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4177.0	2.2	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4178.0	3.9	100.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4179.0	3.6	62.	31.48	0.00	0.00	0.00	8885.76	60.29	9927.34
4180.0	1.8	100.	31.47	0.00	0.00	0.00	8885.76	60.29	9927.34
4181.0	0.5	100.	31.47	0.00	0.00	0.00	8885.76	60.29	9927.34
4182.0	0.3	100.	31.47	0.00	0.00	0.00	8885.76	60.29	9927.34
4183.0	0.0	100.	31.47	0.00	0.00	0.00	8885.76	60.29	9927.34
4184.0	0.3	100.	31.47	0.00	0.00	0.00	8885.76	60.29	9927.34
4185.0	1.4	100.	31.47	0.00	0.00	0.00	8885.76	60.29	9927.34
4186.0	2.7	41.	31.46	0.00	0.00	0.00	8885.76	60.29	9927.34
4187.0	3.2	48.	31.45	0.00	0.00	0.00	8885.76	60.29	9927.34
4188.0	2.0	36.	31.43	0.00	0.00	0.00	8885.76	60.29	9927.34
4189.0	2.6	59.	31.43	0.00	0.00	0.00	8885.76	60.29	9927.34
4190.0	1.9	24.	31.41	0.00	0.00	0.00	8885.76	60.29	9927.34
4191.0	2.4	38.	31.40	0.00	0.00	0.00	8885.76	60.29	9927.34



PERM

PERM

PERM

CUMULATIVE

FEET

TOTAL
%SAT.
%

HC-FT

HC

WATER

TOTAL

PERM
HCPERM
WATERPERM
TOTAL

DEPTH FEET	TOTAL %	SAT. %	HC-FT	PERM HC	PERM WATER	PERM TOTAL	PERM HC	PERM WATER	PERM TOTAL
4192.0	2.4	39.	31.38	0.00	0.00	0.00	8885.76	60.29	9927.34
4193.0	2.3	48.	31.37	0.00	0.00	0.00	8885.76	60.29	9927.34
4194.0	0.8	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4195.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4196.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4197.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4198.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4199.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4200.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4201.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4202.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4203.0	1.3	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4204.0	1.1	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4205.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4206.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4207.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4208.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4209.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4210.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4211.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4212.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4213.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4214.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4215.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4216.0	0.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4217.0	1.0	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4218.0	1.4	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4219.0	1.8	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4220.0	2.6	100.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4221.0	2.6	52.	31.36	0.00	0.00	0.00	8885.76	60.29	9927.34
4222.0	2.6	44.	31.34	0.00	0.00	0.00	8885.76	60.29	9927.34
4223.0	1.6	22.	31.33	0.00	0.00	0.00	8885.76	60.29	9927.34
4224.0	3.0	27.	31.32	0.00	0.00	0.00	8885.76	60.29	9927.34
4225.0	4.7	36.	31.29	0.01	0.00	0.01	8885.76	60.29	9927.34
4226.0	6.0	37.	31.26	0.06	0.00	0.08	8885.75	60.29	9927.32
4227.0	5.6	28.	31.22	0.03	0.00	0.04	8885.69	60.29	9927.25
4228.0	3.9	19.	31.19	0.00	0.00	0.00	8885.67	60.29	9927.23
4229.0	5.4	18.	31.15	0.03	0.00	0.03	8885.67	60.29	9927.22
4230.0	3.0	24.	31.11	0.00	0.00	0.00	8885.65	60.29	9927.20
4231.0	1.1	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4232.0	0.2	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4233.0	0.2	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4234.0	0.0	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4235.0	0.0	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4236.0	0.0	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4237.0	0.0	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4238.0	0.8	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4239.0	1.9	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4240.0	3.2	100.	31.10	0.00	0.00	0.00	8885.65	60.29	9927.20
4241.0	2.7	34.	31.09	0.00	0.00	0.00	8885.65	60.29	9927.20
4242.0	2.4	33.	31.07	0.00	0.00	0.00	8885.65	60.29	9927.20
4243.0	2.0	100.	31.06	0.00	0.00	0.00	8885.65	60.29	9927.20
4244.0	0.0	100.	31.06	0.00	0.00	0.00	8885.65	60.29	9927.20
4245.0	0.0	100.	31.06	0.00	0.00	0.00	8885.65	60.29	9927.20
4246.0	2.8	52.	31.06	0.00	0.00	0.00	8885.65	60.29	9927.20
4247.0	6.5	20.	31.03	0.02	0.00	0.02	8885.65	60.29	9927.20
4248.0	4.5	29.	30.98	0.00	0.00	0.00	8885.60	60.29	9927.15
4249.0	1.6	67.	30.96	0.00	0.00	0.00	8885.60	60.29	9927.14
4250.0	1.7	100.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4251.0	2.5	100.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4252.0	1.4	100.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4253.0	1.6	100.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4254.0	3.4	100.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4255.0	3.8	100.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4256.0	2.7	38.	30.95	0.00	0.00	0.00	8885.60	60.29	9927.14
4257.0	3.1	25.	30.93	0.00	0.00	0.00	8885.60	60.29	9927.14
4258.0	2.2	27.	30.91	0.00	0.00	0.00	8885.60	60.29	9927.14
4259.0	1.8	52.	30.90	0.00	0.00	0.00	8885.60	60.29	9927.14
4260.0	3.8	25.	30.88	0.00	0.00	0.00	8885.60	60.29	9927.14
4261.0	5.7	20.	30.85	0.05	0.00	0.05	8885.59	60.29	9927.13
4262.0	3.7	25.	30.81	0.00	0.00	0.00	8885.56	60.29	9927.10
4263.0	1.2	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4264.0	0.7	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4265.0	3.3	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4266.0	2.7	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4267.0	0.7	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4268.0	1.2	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4269.0	1.8	100.	30.79	0.00	0.00	0.00	8885.56	60.29	9927.10
4270.0	2.9	29.	30.78	0.00	0.00	0.00	8885.56	60.29	9927.10
4271.0	4.9	25.	30.76	0.01	0.00	0.01	8885.55	60.29	9927.09
4272.0	4.0	23.	30.72	0.00	0.00	0.00	8885.54	60.29	9927.08
4273.0	1.9	23.	30.69	0.00	0.00	0.00	8885.54	60.29	9927.08
4274.0	1.4	100.	30.68	0.00	0.00	0.00	8885.54	60.29	9927.08
4275.0	0.5	100.	30.68	0.00	0.00	0.00	8885.54	60.29	9927.08
4276.0	0.7	100.	30.68	0.00	0.00	0.00	8885.54	60.29	9927.08
4277.0	1.9	100.	30.68	0.00	0.00	0.00	8885.54	60.29	9927.08
4278.0	2.3	35.	30.68	0.00	0.00	0.00	8885.54	60.29	9927.08
4279.0	4.7	33.	30.66	0.01	0.00	0.01	8885.54	60.29	9927.08
4280.0	7.2	40.	30.63	0.18	0.00	0.33	8885.50	60.29	9927.01
4281.0	7.5	24.	30.58	0.51	0.00	0.59	8885.19	60.29	9926.58
4282.0	6.7	30.	30.52	0.19	0.00	0.23	8884.68	60.29	9925.99
4283.0	6.2	34.	30.48	0.09	0.00	0.11	8884.54	60.29	9925.82
4284.0	6.9	32.	30.43	0.21	0.00	0.30	8884.38	60.29	9925.61
4285.0	4.9	38.	30.39	0.01	0.00	0.01	8884.24	60.29	9925.41
4286.0	4.4	45.	30.36	0.00	0.00	0.01	8884.24	60.29	9925.40
4287.0	2.8	39.	30.34	0.00	0.00	0.00	8884.23	60.29	9925.39

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4288.0	2.0	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4289.0	1.4	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4290.0	1.1	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4291.0	0.0	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4292.0	0.0	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4293.0	0.2	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4294.0	0.9	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4295.0	1.0	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4296.0	2.4	100.	30.32	0.00	0.00	0.00	8884.23	60.29	9925.39
4297.0	4.2	57.	30.31	0.00	0.00	0.00	8884.23	60.29	9925.39
4298.0	2.3	100.	30.31	0.00	0.00	0.00	8884.23	60.29	9925.39
4299.0	0.4	100.	30.31	0.00	0.00	0.00	8884.23	60.29	9925.39
4300.0	0.7	100.	30.31	0.00	0.00	0.00	8884.23	60.29	9925.39
4301.0	4.2	49.	30.31	0.00	0.00	0.00	8884.23	60.29	9925.39
4302.0	10.0	14.	30.27	0.17	0.00	0.19	8884.22	60.29	9925.38
4303.0	11.3	15.	30.18	0.50	0.00	0.54	8883.97	60.29	9925.10
4304.0	11.4	18.	30.08	0.60	0.00	0.71	8883.50	60.29	9924.58
4305.0	12.6	15.	29.98	1.34	0.00	1.52	8882.95	60.29	9923.93
4306.0	17.3	10.	29.86	9.27	0.00	10.09	8880.71	60.29	9921.47
4307.0	14.0	12.	29.71	17.58	0.00	18.81	8867.38	60.29	9906.84
4308.0	9.0	19.	29.60	1.06	0.00	1.18	8855.49	60.29	9894.09
4309.0	5.8	29.	29.53	0.03	0.00	0.03	8854.85	60.29	9893.36
4310.0	3.6	33.	29.50	0.00	0.00	0.00	8854.83	60.29	9893.35
4311.0	4.1	29.	29.47	0.00	0.00	0.00	8854.83	60.29	9893.35
4312.0	4.8	31.	29.44	0.01	0.00	0.01	8854.83	60.29	9893.34
4313.0	1.9	28.	29.41	0.00	0.00	0.00	8854.82	60.29	9893.33
4314.0	1.8	44.	29.41	0.00	0.00	0.00	8854.82	60.29	9893.33
4315.0	1.7	98.	29.40	0.00	0.00	0.00	8854.82	60.29	9893.33
4316.0	0.6	100.	29.40	0.00	0.00	0.00	8854.82	60.29	9893.33
4317.0	2.0	61.	29.40	0.00	0.00	0.00	8854.82	60.29	9893.33
4318.0	2.2	69.	29.39	0.00	0.00	0.00	8854.82	60.29	9893.33
4319.0	0.9	100.	29.38	0.00	0.00	0.00	8854.82	60.29	9893.33
4320.0	1.0	100.	29.38	0.00	0.00	0.00	8854.82	60.29	9893.33
4321.0	3.2	66.	29.38	0.00	0.00	0.00	8854.82	60.29	9893.33
4322.0	2.1	100.	29.37	0.00	0.00	0.00	8854.82	60.29	9893.33
4323.0	1.3	74.	29.37	0.00	0.00	0.00	8854.82	60.29	9893.33
4324.0	1.2	62.	29.37	0.00	0.00	0.00	8854.82	60.29	9893.33
4325.0	0.2	100.	29.37	0.00	0.00	0.00	8854.82	60.29	9893.33
4326.0	1.5	100.	29.37	0.00	0.00	0.00	8854.82	60.29	9893.33
4327.0	3.1	33.	29.36	0.00	0.00	0.00	8854.82	60.29	9893.33
4328.0	4.9	46.	29.34	0.01	0.00	0.01	8854.82	60.29	9893.33
4329.0	6.7	47.	29.31	0.09	0.00	0.21	8854.81	60.29	9893.29
4330.0	8.1	40.	29.27	0.62	0.01	1.23	8854.66	60.28	9892.95
4331.0	10.8	37.	29.22	7.36	0.20	15.87	8853.34	60.26	9890.28
4332.0	11.0	39.	29.15	5.16	0.28	12.72	8845.02	59.96	9871.50
4333.0	9.2	27.	29.08	0.49	0.00	0.70	8841.78	59.81	9863.79
4334.0	4.5	38.	29.02	0.00	0.00	0.01	8841.52	59.81	9863.42
4335.0	3.2	56.	29.00	0.00	0.00	0.00	8841.52	59.81	9863.41

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CHM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4336.0	1.1	100.	29.00	0.00	0.00	0.00	8841.52	59.81	9863.41
4337.0	2.3	100.	29.00	0.00	0.00	0.00	8841.52	59.81	9863.41
4338.0	4.6	64.	28.99	0.00	0.00	0.00	8841.52	59.81	9863.41
4339.0	7.4	50.	28.97	0.14	0.03	0.51	8841.51	59.81	9863.41
4340.0	11.3	39.	28.92	9.26	0.50	22.96	8840.92	59.71	9861.38
4341.0	10.8	30.	28.85	8.44	0.08	14.68	8828.18	59.28	9833.41
4342.0	4.5	25.	28.78	0.01	0.00	0.01	8823.77	59.25	9825.84
4343.0	3.4	39.	28.76	0.00	0.00	0.00	8823.77	59.25	9825.83
4344.0	2.5	26.	28.74	0.00	0.00	0.00	8823.77	59.25	9825.83
4345.0	2.6	74.	28.72	0.00	0.00	0.00	8823.77	59.25	9825.83
4346.0	2.3	100.	28.72	0.00	0.00	0.00	8823.77	59.25	9825.83
4347.0	7.1	53.	28.71	0.08	0.03	0.38	8823.77	59.25	9825.83
4348.0	3.7	38.	28.67	0.00	0.00	0.00	8823.66	59.22	9825.43
4349.0	3.2	100.	28.66	0.00	0.00	0.00	8823.66	59.22	9825.43
4350.0	2.9	51.	28.65	0.00	0.00	0.00	8823.66	59.22	9825.43
4351.0	0.6	100.	28.64	0.00	0.00	0.00	8823.66	59.22	9825.43
4352.0	2.2	100.	28.64	0.00	0.00	0.00	8823.66	59.22	9825.43
4353.0	3.2	27.	28.64	0.00	0.00	0.00	8823.66	59.22	9825.43
4354.0	3.5	24.	28.61	0.00	0.00	0.00	8823.66	59.22	9825.43
4355.0	2.8	100.	28.59	0.00	0.00	0.00	8823.66	59.22	9825.43
4356.0	0.7	100.	28.59	0.00	0.00	0.00	8823.66	59.22	9825.43
4357.0	1.0	100.	28.59	0.00	0.00	0.00	8823.66	59.22	9825.43
4358.0	1.3	100.	28.59	0.00	0.00	0.00	8823.66	59.22	9825.43
4359.0	0.0	100.	28.59	0.00	0.00	0.00	8823.66	59.22	9825.43
4360.0	0.7	100.	28.59	0.00	0.00	0.00	8823.66	59.22	9825.43
4361.0	3.3	19.	28.58	0.00	0.00	0.00	8823.66	59.22	9825.43
4362.0	4.7	21.	28.55	0.01	0.00	0.01	8823.65	59.22	9825.43
4363.0	3.1	49.	28.52	0.00	0.00	0.00	8823.65	59.22	9825.43
4364.0	1.4	100.	28.51	0.00	0.00	0.00	8823.65	59.22	9825.42
4365.0	2.0	41.	28.50	0.00	0.00	0.00	8823.65	59.22	9825.42
4366.0	0.8	100.	28.50	0.00	0.00	0.00	8823.65	59.22	9825.42
4367.0	2.0	43.	28.49	0.00	0.00	0.00	8823.65	59.22	9825.42
4368.0	2.5	35.	28.48	0.00	0.00	0.00	8823.65	59.22	9825.42
4369.0	2.9	35.	28.46	0.00	0.00	0.00	8823.65	59.22	9825.42
4370.0	3.7	25.	28.44	0.00	0.00	0.00	8823.65	59.22	9825.42
4371.0	6.0	13.	28.41	0.01	0.00	0.01	8823.65	59.22	9825.42
4372.0	9.8	11.	28.34	1.43	0.00	1.52	8823.48	59.22	9825.25
4373.0	9.7	14.	28.26	0.85	0.00	0.92	8821.86	59.22	9823.52
4374.0	7.0	24.	28.18	0.19	0.00	0.22	8821.34	59.22	9822.96
4375.0	5.8	27.	28.13	0.03	0.00	0.03	8821.23	59.22	9822.84
4376.0	11.5	10.	28.07	22.21	0.00	23.47	8820.52	59.22	9822.05
4377.0	13.9	11.	27.96	4.63	0.00	4.91	8789.31	59.22	9789.27
4378.0	13.5	16.	27.84	0.41	0.00	0.49	8786.39	59.22	9786.15
4379.0	7.7	23.	27.74	0.06	0.00	0.07	8786.16	59.22	9785.86
4380.0	5.5	18.	27.68	0.01	0.00	0.01	8786.12	59.22	9785.81
4381.0	3.8	26.	27.64	0.00	0.00	0.00	8786.11	59.22	9785.81
4382.0	2.9	33.	27.62	0.00	0.00	0.00	8786.11	59.22	9785.81
4383.0	6.4	12.	27.59	0.02	0.00	0.02	8786.11	59.22	9785.81

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4384.0	11.6	11.	27.52	1.32	0.00	1.40	8785.64	59.22	9785.31
4385.0	11.8	12.	27.42	3.83	0.00	4.08	8783.78	59.22	9783.34
4386.0	8.0	16.	27.32	0.60	0.00	0.66	8779.95	59.22	9779.25
4387.0	7.0	17.	27.26	0.13	0.00	0.14	8779.55	59.22	9778.82
4388.0	4.6	21.	27.20	0.00	0.00	0.00	8779.46	59.22	9778.72
4389.0	1.6	61.	27.17	0.00	0.00	0.00	8779.46	59.22	9778.72
4390.0	3.9	15.	27.17	0.00	0.00	0.00	8779.46	59.22	9778.72
4391.0	14.2	3.	27.11	0.23	0.00	0.23	8779.46	59.22	9778.71
4392.0	19.7	5.	26.95	392.88	0.00	402.43	8758.90	59.22	9757.71
4393.0	19.1	7.	26.76	3911.53	0.00	4061.99	7187.60	59.22	8139.24
4394.0	11.6	10.	26.60	22.39	0.00	23.58	4882.28	59.22	5742.87
4395.0	10.6	8.	26.50	7.12	0.00	7.43	4870.08	59.22	5730.03
4396.0	12.0	8.	26.39	23.56	0.00	24.59	4855.31	59.22	5714.69
4397.0	5.9	15.	26.30	0.01	0.00	0.01	4842.98	59.22	5701.81
4398.0	7.4	8.	26.25	0.06	0.00	0.06	4842.97	59.22	5701.80
4399.0	7.4	9.	26.18	0.05	0.00	0.05	4842.90	59.22	5701.73
4400.0	6.1	9.	26.12	0.01	0.00	0.01	4842.87	59.22	5701.70
4401.0	8.2	7.	26.06	0.14	0.00	0.15	4842.85	59.22	5701.68
4402.0	9.4	8.	25.97	0.28	0.00	0.29	4842.54	59.22	5701.36
4403.0	3.5	17.	25.90	0.00	0.00	0.00	4842.39	59.22	5701.20
4404.0	2.1	27.	25.88	0.00	0.00	0.00	4842.39	59.22	5701.20
4405.0	6.3	8.	25.86	0.01	0.00	0.01	4842.39	59.22	5701.20
4406.0	8.1	8.	25.79	0.08	0.00	0.09	4842.30	59.22	5701.11
4407.0	5.7	11.	25.72	0.00	0.00	0.00	4842.25	59.22	5701.06
4408.0	11.2	8.	25.66	6.53	0.00	6.80	4842.18	59.22	5700.99
4409.0	18.9	6.	25.54	199.78	0.00	206.02	4798.16	59.22	5655.40
4410.0	17.1	6.	25.36	109.33	0.00	112.86	4641.11	59.22	5493.49
4411.0	12.1	8.	25.22	17.48	0.00	18.20	4562.64	59.22	5412.36
4412.0	18.4	7.	25.10	118.27	0.00	122.53	4528.23	59.22	5376.56
4413.0	17.2	7.	24.92	209.15	0.00	217.29	4385.25	59.22	5228.45
4414.0	16.6	7.	24.77	95.25	0.00	98.98	4223.08	59.22	5059.85
4415.0	20.7	8.	24.61	291.83	0.00	310.10	4120.47	59.22	4953.10
4416.0	21.4	8.	24.42	1151.27	0.01	1252.39	3673.71	59.22	4473.32
4417.0	23.3	9.	24.22	1040.19	0.03	1152.49	2523.09	59.21	3222.39
4418.0	21.2	9.	24.01	592.19	0.01	649.49	1547.43	59.19	2151.47
4419.0	11.6	12.	23.84	23.44	0.00	24.92	1163.89	59.19	1732.67
4420.0	11.1	14.	23.74	5.66	0.00	6.10	1148.33	59.19	1716.10
4421.0	9.1	17.	23.65	2.03	0.00	2.22	1143.33	59.19	1710.71
4422.0	6.0	24.	23.58	0.03	0.00	0.03	1142.22	59.19	1709.48
4423.0	4.9	20.	23.54	0.00	0.00	0.00	1142.20	59.19	1709.47
4424.0	6.1	13.	23.50	0.01	0.00	0.01	1142.20	59.19	1709.47
4425.0	6.8	13.	23.45	0.04	0.00	0.05	1142.18	59.19	1709.44
4426.0	3.4	25.	23.39	0.00	0.00	0.00	1142.16	59.19	1709.42
4427.0	1.5	43.	23.38	0.00	0.00	0.00	1142.16	59.19	1709.42
4428.0	3.8	15.	23.36	0.00	0.00	0.00	1142.16	59.19	1709.42
4429.0	3.6	21.	23.33	0.00	0.00	0.00	1142.16	59.19	1709.42
4430.0	5.1	16.	23.30	0.00	0.00	0.00	1142.16	59.19	1709.42
4431.0	6.0	12.	23.25	0.01	0.00	0.01	1142.15	59.19	1709.41

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4432.0	4.3	15.	23.20	0.00	0.00	0.00	1142.15	59.19	1709.41
4433.0	3.3	20.	23.17	0.00	0.00	0.00	1142.15	59.19	1709.41
4434.0	2.5	32.	23.14	0.00	0.00	0.00	1142.15	59.19	1709.41
4435.0	1.3	68.	23.13	0.00	0.00	0.00	1142.15	59.19	1709.41
4436.0	3.1	25.	23.12	0.00	0.00	0.00	1142.15	59.19	1709.41
4437.0	5.6	17.	23.09	0.00	0.00	0.00	1142.15	59.19	1709.41
4438.0	5.5	19.	23.04	0.00	0.00	0.00	1142.15	59.19	1709.41
4439.0	4.2	23.	23.00	0.00	0.00	0.01	1142.14	59.19	1709.40
4440.0	6.4	15.	22.96	0.01	0.00	0.00	1142.14	59.19	1709.40
4441.0	6.0	16.	22.91	0.01	0.00	0.01	1142.14	59.19	1709.39
4442.0	6.8	16.	22.86	0.06	0.00	0.01	1142.13	59.19	1709.38
4443.0	8.7	13.	22.79	6.73	0.00	0.06	1142.12	59.19	1709.37
4444.0	9.6	14.	22.71	0.91	0.00	0.78	1141.95	59.19	1709.19
4445.0	9.3	13.	22.63	0.48	0.00	0.98	1141.00	59.19	1708.17
4446.0	4.3	20.	22.56	0.00	0.00	0.51	1140.03	59.19	1707.13
4447.0	2.2	40.	22.53	0.00	0.00	0.00	1139.74	59.19	1706.82
4448.0	2.3	37.	22.52	0.00	0.00	0.00	1139.74	59.19	1706.82
4449.0	1.2	79.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4450.0	0.2	100.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4451.0	0.0	100.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4452.0	0.0	100.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4453.0	0.0	100.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4454.0	0.0	100.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4455.0	0.0	100.	22.50	0.00	0.00	0.00	1139.74	59.19	1706.82
4456.0	4.8	9.	22.50	0.01	0.00	0.00	1139.74	59.19	1706.82
4457.0	11.0	9.	22.44	2.82	0.00	0.01	1139.74	59.19	1706.82
4458.0	8.6	10.	22.34	1.80	0.00	2.95	1139.58	59.19	1706.65
4459.0	5.1	25.	22.28	0.01	0.00	1.90	1132.09	59.19	1698.81
4460.0	2.9	26.	22.24	0.00	0.00	0.01	1131.13	59.19	1697.80
4461.0	1.4	71.	22.23	0.00	0.00	0.00	1131.13	59.19	1697.79
4462.0	2.8	41.	22.22	0.00	0.00	0.00	1131.13	59.19	1697.79
4463.0	1.6	82.	22.21	0.00	0.00	0.00	1131.13	59.19	1697.79
4464.0	2.1	55.	22.21	0.00	0.00	0.00	1131.13	59.19	1697.79
4465.0	10.0	13.	22.18	3.49	0.00	0.00	1131.13	59.19	1697.79
4466.0	17.1	12.	22.07	105.06	0.00	3.75	1131.13	59.19	1697.79
4467.0	11.7	15.	21.93	9.57	0.01	120.39	1117.93	59.19	1683.92
4468.0	9.7	13.	21.84	0.31	0.00	10.86	1027.23	59.18	1579.95
4469.0	12.2	16.	21.76	2.08	0.00	0.33	1022.00	59.18	1574.03
4470.0	12.6	17.	21.65	6.25	0.00	2.40	1021.48	59.18	1573.48
4471.0	14.1	17.	21.55	8.09	0.00	7.63	1018.06	59.18	1569.38
4472.0	14.5	15.	21.42	10.61	0.00	10.06	1010.34	59.18	1559.89
4473.0	10.5	13.	21.31	2.60	0.00	12.73	1000.98	59.18	1548.46
4474.0	6.6	18.	21.23	0.11	0.00	2.79	993.31	59.18	1539.41
4475.0	4.4	22.	21.18	0.00	0.00	0.12	991.70	59.18	1537.67
4476.0	4.5	23.	21.15	0.00	0.00	0.00	991.64	59.18	1537.60
4477.0	6.9	11.	21.11	0.02	0.00	0.00	991.64	59.18	1537.60
4478.0	12.9	8.	21.04	0.35	0.00	0.03	991.64	59.18	1537.60
4479.0	19.4	9.	20.90	7.71	0.00	0.36	991.62	59.18	1537.58
						8.40	990.04	59.18	1535.93

DEPTH FEET	POR. WATER		CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
	TOTAL %	SAT. %					PERM HC	PERM WATER	PERM TOTAL
4480.0	18.8	11.	20.72	20.38	0.00	25.70	976.12	59.18	1520.60
4481.0	11.9	14.	20.57	20.31	0.00	10.16	956.02	59.18	1497.80
4482.0	10.8	12.	20.47	11.10	0.00	11.81	948.50	59.18	1489.64
4483.0	13.8	10.	20.37	17.54	0.00	50.18	925.09	59.18	1464.93
4484.0	12.6	15.	20.24	19.12	0.00	11.48	887.73	59.18	1424.86
4485.0	9.7	16.	20.14	4.03	0.00	4.39	879.31	59.18	1415.30
4486.0	8.7	16.	20.06	0.88	0.00	0.96	876.42	59.18	1412.16
4487.0	5.0	25.	20.00	0.00	0.00	0.00	875.94	59.18	1411.64
4488.0	5.2	16.	19.96	0.00	0.00	0.00	875.94	59.18	1411.64
4489.0	6.1	12.	19.91	0.01	0.00	0.01	875.94	59.18	1411.63
4490.0	7.2	12.	19.86	0.10	0.00	0.11	875.91	59.18	1411.61
4491.0	14.4	12.	19.78	50.94	0.00	56.04	872.42	59.18	1407.91
4492.0	17.1	13.	19.64	15.45	0.00	17.94	824.55	59.18	1353.98
4493.0	11.4	14.	19.50	1.10	0.00	1.18	813.30	59.18	1341.03
4494.0	8.7	13.	19.41	0.31	0.00	0.34	812.38	59.18	1340.03
4495.0	7.6	11.	19.33	0.16	0.00	0.17	812.21	59.18	1339.86
4496.0	9.1	13.	19.27	1.46	0.00	1.56	812.08	59.18	1339.72
4497.0	13.6	12.	19.18	16.54	0.00	18.03	804.24	59.18	1331.35
4498.0	13.8	15.	19.06	7.00	0.00	8.36	791.42	59.18	1317.11
4499.0	10.1	18.	18.95	0.09	0.00	0.10	787.10	59.17	1311.96
4500.0	8.0	12.	18.87	0.01	0.00	0.01	787.05	59.17	1311.90
4501.0	10.4	10.	18.80	0.09	0.00	0.10	787.04	59.17	1311.89
4502.0	12.3	13.	18.70	0.78	0.00	0.83	786.85	59.17	1311.69
4503.0	13.1	13.	18.59	1.24	0.00	1.35	786.05	59.17	1310.82
4504.0	17.0	11.	18.47	8.35	0.00	9.37	784.28	59.17	1308.85
4505.0	19.8	10.	18.31	9.47	0.00	10.67	773.02	59.17	1296.20
4506.0	17.9	10.	18.13	24.36	0.00	26.63	762.27	59.17	1284.07
4507.0	12.4	7.	17.98	0.62	0.00	0.64	747.48	59.17	1268.02
4508.0	8.2	5.	17.88	0.00	0.00	0.00	747.16	59.17	1267.69
4509.0	9.9	6.	17.80	0.00	0.00	0.00	747.16	59.17	1267.69
4510.0	13.8	11.	17.70	0.36	0.00	0.38	747.14	59.17	1267.66
4511.0	13.6	12.	17.58	2.35	0.00	2.50	746.11	59.17	1266.52
4512.0	13.2	8.	17.46	2.03	0.00	2.12	744.09	59.17	1264.37
4513.0	9.9	6.	17.34	0.13	0.00	0.14	742.81	59.17	1263.04
4514.0	6.3	10.	17.26	0.01	0.00	0.01	742.73	59.17	1262.96
4515.0	9.3	6.	17.20	0.41	0.00	0.43	742.72	59.17	1262.94
4516.0	11.4	4.	17.10	0.13	0.00	0.14	742.26	59.17	1262.48
4517.0	6.5	8.	17.00	0.00	0.00	0.00	742.19	59.17	1262.40
4518.0	8.8	6.	16.95	0.04	0.00	0.05	742.19	59.17	1262.40
4519.0	10.8	6.	16.85	0.19	0.00	0.19	742.11	59.17	1262.32
4520.0	8.8	8.	16.76	0.22	0.00	0.23	741.92	59.17	1262.12
4521.0	8.2	9.	16.68	0.19	0.00	0.20	741.73	59.17	1261.92
4522.0	8.9	13.	16.61	0.80	0.00	0.85	741.41	59.17	1261.58
4523.0	4.2	29.	16.54	0.00	0.00	0.00	740.94	59.17	1261.08
4524.0	2.7	44.	16.52	0.00	0.00	0.00	740.94	59.17	1261.08
4525.0	4.6	20.	16.50	0.00	0.00	0.00	740.94	59.17	1261.08
4526.0	6.5	13.	16.46	0.01	0.00	0.01	740.94	59.17	1261.08
4527.0	6.9	9.	16.40	0.03	0.00	0.03	740.92	59.17	1261.06

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4528.0	5.6	11.	16.34	0.00	0.00	0.00	740.90	59.17	1261.04
4529.0	3.9	20.	16.29	0.00	0.00	0.00	740.90	59.17	1261.04
4530.0	1.2	100.	16.27	0.00	0.00	0.00	740.90	59.17	1261.04
4531.0	1.8	100.	16.27	0.00	0.00	0.00	740.90	59.17	1261.04
4532.0	4.4	100.	16.27	0.00	0.00	0.00	740.90	59.17	1261.04
4533.0	6.1	100.	16.27	0.00	0.05	0.05	740.90	59.16	1261.03
4534.0	4.7	73.	16.27	0.00	0.00	0.01	740.90	59.11	1260.98
4535.0	5.8	35.	16.25	0.02	0.00	0.05	740.90	59.11	1260.97
4536.0	8.2	34.	16.21	0.57	0.01	1.13	740.75	59.10	1260.69
4537.0	5.5	39.	16.16	0.01	0.00	0.03	740.37	59.09	1259.91
4538.0	3.0	39.	16.13	0.00	0.00	0.00	740.36	59.09	1259.89
4539.0	3.9	43.	16.11	0.00	0.00	0.00	740.36	59.09	1259.89
4540.0	3.6	53.	16.09	0.00	0.00	0.00	740.36	59.09	1259.89
4541.0	4.2	95.	16.08	0.00	0.00	0.00	740.36	59.09	1259.89
4542.0	3.3	47.	16.07	0.00	0.00	0.00	740.36	59.09	1259.89
4543.0	2.7	100.	16.06	0.00	0.00	0.00	740.36	59.09	1259.89
4544.0	2.0	100.	16.06	0.00	0.00	0.00	740.36	59.09	1259.89
4545.0	2.9	100.	16.06	0.00	0.00	0.00	740.36	59.09	1259.89
4546.0	2.3	26.	16.05	0.00	0.00	0.00	740.36	59.09	1259.89
4547.0	3.0	39.	16.03	0.00	0.00	0.00	740.36	59.09	1259.89
4548.0	3.6	37.	16.01	0.00	0.00	0.00	740.36	59.09	1259.89
4549.0	5.0	31.	15.99	0.00	0.00	0.01	740.36	59.09	1259.88
4550.0	2.5	31.	15.95	0.00	0.00	0.00	740.36	59.09	1259.88
4551.0	2.0	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.88
4552.0	0.0	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.88
4553.0	0.0	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.88
4554.0	0.8	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.88
4555.0	4.5	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.88
4556.0	3.1	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.87
4557.0	2.4	100.	15.94	0.00	0.00	0.00	740.36	59.09	1259.87
4558.0	8.2	45.	15.93	0.06	0.01	0.17	740.36	59.09	1259.87
4559.0	12.6	14.	15.86	0.79	0.00	0.87	740.24	59.08	1259.67
4560.0	11.6	13.	15.75	0.18	0.00	0.20	739.74	59.08	1259.12
4561.0	10.8	11.	15.65	0.07	0.00	0.08	739.56	59.08	1258.93
4562.0	10.0	13.	15.56	0.03	0.00	0.03	739.50	59.08	1258.87
4563.0	7.7	14.	15.48	0.03	0.00	0.04	739.46	59.08	1258.82
4564.0	11.0	14.	15.41	0.03	0.00	0.03	739.42	59.08	1258.78
4565.0	14.0	10.	15.30	0.21	0.00	0.23	739.37	59.08	1258.72
4566.0	13.6	11.	15.18	0.41	0.00	0.43	739.15	59.08	1258.50
4567.0	11.2	12.	15.06	0.29	0.00	0.31	738.77	59.08	1258.09
4568.0	6.9	15.	14.97	0.10	0.00	0.10	738.55	59.08	1257.86
4569.0	5.9	16.	14.91	0.03	0.00	0.04	738.49	59.08	1257.79
4570.0	5.7	17.	14.87	0.03	0.00	0.03	738.46	59.08	1257.76
4571.0	9.5	13.	14.81	0.06	0.00	0.07	738.43	59.08	1257.73
4572.0	8.9	14.	14.73	0.14	0.00	0.15	738.34	59.08	1257.63
4573.0	5.8	24.	14.66	0.03	0.00	0.04	738.09	59.08	1257.36
4574.0	2.5	21.	14.62	0.00	0.00	0.00	738.08	59.08	1257.34
4575.0	2.2	100.	14.60	0.00	0.00	0.00	738.08	59.08	1257.34

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4576.0	2.0	100.	14.60	0.00	0.00	0.00	738.08	59.08	1257.34
4577.0	5.1	22.	14.60	0.00	0.00	0.00	738.08	59.08	1257.34
4578.0	6.2	18.	14.55	0.00	0.00	0.00	738.08	59.08	1257.34
4579.0	6.7	18.	14.50	0.04	0.00	0.05	738.07	59.08	1257.34
4580.0	10.0	10.	14.44	0.35	0.00	0.37	738.00	59.08	1257.25
4581.0	13.8	11.	14.34	15.68	0.00	16.59	736.39	59.08	1255.56
4582.0	16.2	14.	14.21	60.84	0.01	72.58	716.82	59.08	1234.18
4583.0	15.2	16.	14.07	46.33	0.02	58.59	654.20	59.07	1157.85
4584.0	14.4	16.	13.94	27.63	0.01	33.81	616.38	59.05	1109.73
4585.0	13.8	17.	13.82	5.63	0.00	7.05	597.83	59.05	1087.06
4586.0	13.8	19.	13.71	1.73	0.00	2.29	592.66	59.04	1080.52
4587.0	14.6	17.	13.59	2.66	0.00	3.37	590.94	59.04	1078.24
4588.0	11.5	16.	13.48	5.36	0.00	6.14	587.86	59.04	1074.44
4589.0	9.9	19.	13.39	0.88	0.00	1.02	583.69	59.04	1069.70
4590.0	10.1	20.	13.30	0.86	0.00	1.05	582.82	59.04	1068.65
4591.0	8.6	17.	13.22	1.43	0.00	1.57	581.89	59.04	1067.54
4592.0	8.7	17.	13.15	1.45	0.00	1.59	580.42	59.04	1065.94
4593.0	8.4	21.	13.08	1.09	0.00	1.27	579.22	59.04	1064.61
4594.0	10.5	18.	13.01	2.52	0.00	2.96	577.89	59.04	1063.04
4595.0	10.8	17.	12.92	3.50	0.00	4.09	573.99	59.04	1058.51
4596.0	10.8	19.	12.83	2.87	0.00	3.58	570.27	59.04	1054.13
4597.0	11.2	19.	12.74	3.91	0.00	4.90	567.40	59.04	1050.50
4598.0	9.6	22.	12.66	3.72	0.00	4.82	563.18	59.04	1045.21
4599.0	11.1	21.	12.58	2.86	0.00	3.80	559.18	59.04	1039.92
4600.0	11.1	19.	12.49	1.70	0.00	2.11	556.45	59.04	1036.39
4601.0	9.5	20.	12.41	1.71	0.00	2.03	554.75	59.04	1034.27
4602.0	9.0	18.	12.33	1.22	0.00	1.34	553.27	59.04	1032.56
4603.0	9.6	17.	12.26	1.39	0.00	1.52	552.17	59.04	1031.35
4604.0	11.5	15.	12.17	12.42	0.00	13.89	549.92	59.04	1028.87
4605.0	13.9	14.	12.07	55.13	0.00	64.16	529.35	59.04	1005.33
4606.0	14.4	16.	11.95	58.41	0.02	72.57	461.97	59.02	923.90
4607.0	13.6	17.	11.83	24.26	0.01	30.38	417.82	59.01	868.88
4608.0	12.6	18.	11.72	11.62	0.00	14.78	399.01	59.00	845.23
4609.0	11.2	20.	11.62	11.51	0.00	14.80	389.25	59.00	832.72
4610.0	12.9	16.	11.53	5.81	0.00	6.77	380.32	59.00	821.43
4611.0	14.7	15.	11.42	8.59	0.00	10.10	373.02	59.00	813.08
4612.0	15.3	17.	11.29	13.36	0.01	17.04	363.99	58.99	802.28
4613.0	14.6	17.	11.16	9.24	0.00	11.64	349.90	58.99	784.23
4614.0	15.1	18.	11.04	16.00	0.01	21.28	340.18	58.98	771.74
4615.0	17.1	18.	10.91	40.94	0.06	55.90	318.25	58.96	742.55
4616.0	17.2	18.	10.77	53.60	0.07	72.76	270.81	58.89	677.69
4617.0	15.5	21.	10.63	35.67	0.11	52.86	223.35	58.82	612.13
4618.0	15.1	24.	10.51	24.33	0.14	38.75	190.03	58.69	561.64
4619.0	14.9	23.	10.39	16.29	0.06	24.82	169.06	58.57	528.31
4620.0	14.5	22.	10.28	11.08	0.03	16.14	154.82	58.52	506.91
4621.0	14.9	21.	10.16	14.12	0.03	20.49	143.09	58.49	489.77
4622.0	14.5	23.	10.04	13.25	0.05	20.07	126.44	58.44	465.17
4623.0	14.8	21.	9.93	8.99	0.02	12.92	113.97	58.40	446.20

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM DC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4624.0	14.0	18.	9.81	3.17	0.00	4.13	106.12	58.38	435.16
4625.0	10.2	20.	9.71	1.24	0.00	1.55	103.38	58.38	431.57
4626.0	8.6	22.	9.63	0.92	0.00	1.13	102.41	58.38	430.36
4627.0	8.3	22.	9.57	0.89	0.00	1.06	101.55	58.38	429.32
4628.0	6.1	23.	9.51	0.85	0.00	0.85	101.04	58.38	428.71
4629.0	6.7	22.	9.46	0.81	0.00	0.81	100.99	58.38	428.66
4630.0	4.9	30.	9.41	0.80	0.00	0.80	100.98	58.38	428.64
4631.0	6.2	34.	9.38	0.85	0.00	0.88	100.98	58.38	428.64
4632.0	12.1	22.	9.32	10.70	0.01	14.93	99.96	58.38	427.39
4633.0	14.5	26.	9.22	8.98	0.08	15.20	88.85	58.35	410.96
4634.0	14.4	28.	9.12	2.70	0.04	4.90	80.69	58.27	396.90
4635.0	10.8	31.	9.02	0.97	0.01	1.76	78.65	58.24	393.16
4636.0	9.1	27.	8.95	0.60	0.00	0.89	77.83	58.23	391.72
4637.0	8.2	27.	8.89	0.72	0.00	0.99	77.19	58.23	390.74
4638.0	9.0	24.	8.82	1.01	0.00	1.33	76.47	58.23	389.74
4639.0	9.7	21.	8.75	1.93	0.00	2.45	75.37	58.23	388.31
4640.0	9.5	23.	8.68	2.28	0.00	2.93	73.07	58.23	385.40
4641.0	10.7	22.	8.60	2.20	0.00	2.93	70.82	58.23	382.48
4642.0	12.9	20.	8.51	1.65	0.00	2.24	68.77	58.23	379.74
4643.0	12.5	24.	8.41	2.06	0.01	3.10	66.99	58.23	377.30
4644.0	11.1	26.	8.32	0.98	0.00	1.49	65.18	58.22	374.55
4645.0	8.4	24.	8.24	0.40	0.00	0.51	64.46	58.22	373.48
4646.0	8.4	19.	8.17	0.37	0.00	0.41	64.08	58.22	373.02
4647.0	7.7	23.	8.11	0.42	0.00	0.49	63.63	58.22	372.52
4648.0	7.1	26.	8.05	0.22	0.00	0.26	63.25	58.22	372.07
4649.0	6.6	27.	8.00	0.06	0.00	0.07	63.08	58.22	371.87
4650.0	5.9	28.	7.95	0.01	0.00	0.01	63.04	58.22	371.81
4651.0	3.6	45.	7.92	0.00	0.00	0.00	63.03	58.22	371.81
4652.0	2.4	57.	7.90	0.00	0.00	0.00	63.03	58.22	371.81
4653.0	4.7	25.	7.89	0.00	0.00	0.00	63.03	58.22	371.81
4654.0	7.9	18.	7.84	0.03	0.00	0.04	63.03	58.22	371.80
4655.0	7.0	24.	7.78	0.03	0.00	0.04	62.99	58.22	371.76
4656.0	6.9	20.	7.72	0.03	0.00	0.04	62.96	58.22	371.72
4657.0	7.8	18.	7.67	0.10	0.00	0.11	62.89	58.22	371.65
4658.0	7.6	27.	7.60	0.10	0.00	0.14	62.80	58.22	371.55
4659.0	6.6	33.	7.55	0.09	0.00	0.14	62.70	58.22	371.40
4660.0	4.1	36.	7.51	0.00	0.00	0.00	62.65	58.22	371.32
4661.0	1.6	75.	7.49	0.00	0.00	0.00	62.65	58.22	371.32
4662.0	2.5	51.	7.49	0.00	0.00	0.00	62.65	58.22	371.32
4663.0	2.0	100.	7.48	0.00	0.00	0.00	62.65	58.22	371.32
4664.0	2.6	55.	7.48	0.00	0.00	0.00	62.65	58.22	371.32
4665.0	4.9	73.	7.46	0.00	0.00	0.01	62.65	58.22	371.32
4666.0	4.0	52.	7.45	0.00	0.00	0.00	62.64	58.22	371.31
4667.0	3.0	71.	7.43	0.00	0.00	0.00	62.64	58.22	371.31
4668.0	1.2	100.	7.42	0.00	0.00	0.00	62.64	58.22	371.31
4669.0	2.3	66.	7.42	0.00	0.00	0.00	62.64	58.22	371.31
4670.0	3.1	65.	7.42	0.00	0.00	0.00	62.64	58.22	371.31
4671.0	2.5	73.	7.41	0.00	0.00	0.00	62.64	58.22	371.31

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4672.0	2.9	65.	7.40	0.00	0.00	0.00	62.64	58.22	371.31
4673.0	4.2	39.	7.39	0.00	0.00	0.00	62.64	58.22	371.31
4674.0	7.6	30.	7.35	0.02	0.00	0.03	62.64	58.22	371.31
4675.0	10.7	27.	7.29	0.11	0.00	0.17	62.59	58.22	371.23
4676.0	10.0	27.	7.21	0.11	0.00	0.17	62.47	58.22	371.05
4677.0	9.9	29.	7.14	0.09	0.00	0.16	62.38	58.22	370.91
4678.0	4.7	38.	7.08	0.00	0.00	0.00	62.32	58.22	370.82
4679.0	0.7	100.	7.06	0.00	0.00	0.00	62.32	58.22	370.82
4680.0	1.0	100.	7.06	0.00	0.00	0.00	62.32	58.22	370.82
4681.0	1.0	100.	7.06	0.00	0.00	0.00	62.32	58.22	370.82
4682.0	3.0	46.	7.06	0.00	0.00	0.00	62.32	58.22	370.82
4683.0	8.6	22.	7.03	0.03	0.00	0.03	62.32	58.22	370.82
4684.0	9.8	30.	6.96	0.06	0.00	0.07	62.28	58.22	370.77
4685.0	11.0	29.	6.89	0.13	0.00	0.17	62.20	58.22	370.67
4686.0	10.9	34.	6.81	0.29	0.00	0.46	62.07	58.22	370.49
4687.0	12.0	39.	6.74	0.14	0.00	0.30	61.80	58.21	370.07
4688.0	9.9	77.	6.67	0.02	0.16	0.50	61.67	58.21	369.73
4689.0	10.9	85.	6.65	0.06	2.16	4.20	61.65	57.81	368.95
4690.0	14.3	69.	6.63	0.55	1.83	7.30	61.46	55.62	363.45
4691.0	14.9	71.	6.58	0.82	3.55	12.69	60.72	53.29	353.99
4692.0	15.0	72.	6.54	1.21	5.72	19.85	59.82	49.06	339.32
4693.0	15.4	69.	6.50	2.07	6.64	26.82	58.29	43.25	317.48
4694.0	14.5	70.	6.45	1.64	5.49	21.90	56.53	37.25	293.79
4695.0	15.3	61.	6.40	1.66	1.83	12.15	54.81	32.64	273.74
4696.0	14.2	56.	6.34	1.10	0.59	5.85	53.08	31.11	262.35
4697.0	13.0	53.	6.28	1.17	0.28	4.64	51.99	30.63	257.05
4698.0	14.0	46.	6.22	1.84	0.14	5.17	50.88	30.44	253.15
4699.0	14.0	53.	6.14	1.14	0.29	4.60	49.08	30.25	247.68
4700.0	14.7	64.	6.08	1.03	1.57	8.93	48.00	29.57	241.74
4701.0	15.3	62.	6.04	2.49	3.11	19.34	46.38	27.28	228.31
4702.0	14.5	64.	5.97	3.79	5.93	33.16	43.65	23.36	205.57
4703.0	14.8	61.	5.92	3.75	3.81	26.46	39.69	17.17	171.00
4704.0	15.1	56.	5.86	2.43	1.30	12.86	36.42	14.02	148.48
4705.0	13.3	58.	5.79	1.70	1.01	9.49	33.85	12.79	135.50
4706.0	11.9	65.	5.75	0.92	1.36	7.92	32.39	11.34	125.38
4707.0	11.9	55.	5.70	0.41	0.14	1.86	31.57	10.42	119.31
4708.0	10.4	45.	5.65	0.21	0.01	0.50	31.21	10.32	117.79
4709.0	12.6	38.	5.58	0.72	0.01	1.41	30.89	10.31	117.15
4710.0	15.2	48.	5.50	0.97	0.18	3.45	29.73	10.29	114.76
4711.0	16.4	47.	5.42	3.52	0.55	11.81	27.80	9.98	108.25
4712.0	16.6	46.	5.33	4.20	0.52	13.14	23.41	9.32	93.74
4713.0	16.6	42.	5.24	2.88	0.20	7.61	19.57	8.87	82.01
4714.0	11.9	39.	5.14	0.55	0.01	1.05	17.09	8.74	75.85
4715.0	9.1	60.	5.08	0.06	0.01	0.26	16.73	8.74	75.15
4716.0	12.1	57.	5.04	0.30	0.14	1.51	16.65	8.69	74.73
4717.0	13.0	55.	4.99	0.67	0.24	3.06	16.16	8.50	72.37
4718.0	13.4	53.	4.93	0.71	0.17	2.78	15.57	8.26	69.45
4719.0	12.6	51.	4.87	0.56	0.10	1.98	14.83	8.13	66.91

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4720.0	12.8	54.	4.81	0.39	0.12	1.70	14.40	8.02	65.18
4721.0	14.1	54.	4.75	0.94	0.35	4.32	13.97	7.90	63.39
4722.0	13.3	48.	4.68	0.90	0.13	2.99	12.39	7.38	56.55
4723.0	5.5	53.	4.62	0.01	0.00	0.02	11.85	7.30	54.76
4724.0	4.9	67.	4.60	0.00	0.00	0.01	11.84	7.30	54.74
4725.0	11.8	41.	4.57	0.12	0.00	0.27	11.82	7.30	54.70
4726.0	10.3	40.	4.50	0.14	0.00	0.27	11.53	7.29	54.02
4727.0	7.4	63.	4.45	0.01	0.00	0.04	11.45	7.29	53.87
4728.0	11.9	68.	4.42	0.06	0.12	0.60	11.44	7.28	53.78
4729.0	14.6	61.	4.38	1.06	1.14	7.69	11.12	6.64	50.59
4730.0	13.6	52.	4.32	0.99	0.26	3.99	10.17	5.89	44.75
4731.0	13.4	46.	4.25	0.89	0.08	2.58	9.38	5.72	41.76
4732.0	12.5	51.	4.18	0.20	0.03	0.67	8.65	5.63	39.49
4733.0	10.6	53.	4.12	0.18	0.01	0.54	8.42	5.61	38.80
4734.0	11.3	43.	4.07	0.21	0.01	0.47	8.19	5.60	38.21
4735.0	8.7	46.	4.00	0.08	0.00	0.16	8.04	5.60	37.86
4736.0	6.8	50.	3.96	0.07	0.00	0.12	7.97	5.60	37.72
4737.0	6.7	58.	3.93	0.06	0.00	0.17	7.91	5.60	37.61
4738.0	7.2	60.	3.90	0.09	0.02	0.35	7.84	5.59	37.39
4739.0	6.9	66.	3.88	0.05	0.01	0.22	7.78	5.58	37.13
4740.0	10.3	54.	3.85	0.35	0.07	1.33	7.65	5.53	36.52
4741.0	11.3	65.	3.80	0.45	0.60	3.70	7.18	5.37	34.40
4742.0	9.3	78.	3.76	0.05	0.42	1.23	6.87	4.83	31.54
4743.0	6.6	78.	3.75	0.01	0.03	0.15	6.84	4.53	30.69
4744.0	6.8	53.	3.72	0.08	0.00	0.19	6.81	4.51	30.56
4745.0	9.3	61.	3.69	0.13	0.06	0.66	6.70	4.48	30.09
4746.0	8.0	69.	3.66	0.05	0.05	0.36	6.55	4.41	29.32
4747.0	5.7	60.	3.63	0.02	0.00	0.04	6.52	4.38	29.10
4748.0	7.3	49.	3.61	0.06	0.00	0.09	6.50	4.38	29.06
4749.0	10.6	49.	3.57	0.24	0.01	0.63	6.39	4.38	28.86
4750.0	10.8	50.	3.51	0.32	0.03	0.95	6.13	4.36	28.10
4751.0	9.3	46.	3.46	0.25	0.01	0.56	5.78	4.33	27.11
4752.0	7.4	45.	3.41	0.04	0.00	0.06	5.59	4.33	26.73
4753.0	5.5	56.	3.37	0.02	0.00	0.03	5.55	4.33	26.68
4754.0	4.2	53.	3.35	0.00	0.00	0.00	5.54	4.33	26.65
4755.0	4.6	51.	3.33	0.01	0.00	0.01	5.54	4.33	26.65
4756.0	7.4	43.	3.30	0.03	0.00	0.04	5.52	4.33	26.63
4757.0	6.3	45.	3.26	0.07	0.00	0.10	5.49	4.33	26.57
4758.0	5.0	55.	3.23	0.01	0.00	0.01	5.44	4.33	26.51
4759.0	5.9	49.	3.20	0.04	0.00	0.06	5.43	4.33	26.49
4760.0	4.7	58.	3.17	0.01	0.00	0.01	5.39	4.33	26.44
4761.0	5.1	55.	3.16	0.01	0.00	0.02	5.39	4.33	26.44
4762.0	8.1	54.	3.13	0.01	0.00	0.03	5.38	4.33	26.42
4763.0	8.5	57.	3.09	0.03	0.01	0.10	5.37	4.33	26.38
4764.0	7.2	63.	3.06	0.01	0.00	0.05	5.34	4.32	26.28
4765.0	7.6	66.	3.03	0.01	0.01	0.06	5.33	4.32	26.22
4766.0	8.8	72.	3.01	0.01	0.03	0.14	5.32	4.31	26.16
4767.0	9.3	75.	2.98	0.02	0.10	0.37	5.31	4.28	26.01

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE PERM HC	PERM WATER	PERM TOTAL
4768.0	7.3	86.	2.96	0.01	0.16	0.35	5.28	4.13	25.52
4769.0	6.0	83.	2.95	0.00	0.02	0.06	5.28	4.03	25.30
4770.0	5.2	56.	2.94	0.01	0.00	0.02	5.27	4.02	25.26
4771.0	5.5	60.	2.92	0.02	0.00	0.03	5.26	4.02	25.24
4772.0	5.3	54.	2.90	0.02	0.00	0.02	5.24	4.02	25.21
4773.0	3.2	86.	2.88	0.00	0.00	0.00	5.23	4.02	25.19
4774.0	2.9	97.	2.88	0.00	0.00	0.00	5.23	4.02	25.19
4775.0	3.9	88.	2.87	0.00	0.00	0.00	5.23	4.02	25.19
4776.0	4.0	100.	2.87	0.00	0.00	0.00	5.23	4.02	25.19
4777.0	4.3	85.	2.87	0.00	0.00	0.00	5.23	4.02	25.19
4778.0	6.1	61.	2.86	0.03	0.00	0.08	5.23	4.02	25.18
4779.0	8.9	56.	2.84	0.18	0.02	0.63	5.19	4.01	25.03
4780.0	8.1	62.	2.79	0.01	0.00	0.04	5.07	4.00	24.63
4781.0	4.1	100.	2.78	0.00	0.00	0.00	5.07	4.00	24.60
4782.0	5.7	62.	2.77	0.01	0.00	0.04	5.07	3.99	24.60
4783.0	7.1	48.	2.75	0.07	0.00	0.13	5.04	3.99	24.54
4784.0	5.4	62.	2.72	0.01	0.00	0.03	4.98	3.99	24.44
4785.0	5.7	62.	2.70	0.01	0.00	0.04	4.98	3.99	24.41
4786.0	5.9	60.	2.67	0.02	0.00	0.05	4.95	3.99	24.36
4787.0	4.6	74.	2.65	0.00	0.00	0.01	4.94	3.99	24.32
4788.0	3.5	96.	2.64	0.00	0.00	0.00	4.94	3.99	24.32
4789.0	3.0	100.	2.64	0.00	0.00	0.00	4.94	3.99	24.32
4790.0	4.1	89.	2.64	0.00	0.00	0.00	4.94	3.99	24.32
4791.0	6.4	71.	2.64	0.02	0.01	0.12	4.93	3.99	24.30
4792.0	6.8	70.	2.62	0.02	0.02	0.17	4.91	3.97	24.15
4793.0	7.8	57.	2.59	0.08	0.01	0.28	4.88	3.95	23.98
4794.0	6.9	54.	2.56	0.08	0.00	0.20	4.80	3.95	23.73
4795.0	4.5	55.	2.53	0.00	0.00	0.01	4.75	3.95	23.62
4796.0	6.2	36.	2.51	0.08	0.00	0.11	4.74	3.95	23.60
4797.0	8.8	43.	2.47	0.25	0.00	0.46	4.60	3.95	23.43
4798.0	9.8	45.	2.41	0.21	0.01	0.48	4.35	3.94	22.96
4799.0	10.7	47.	2.36	0.17	0.01	0.44	4.16	3.94	22.50
4800.0	8.6	57.	2.31	0.07	0.01	0.26	4.01	3.93	22.10
4801.0	5.7	65.	2.28	0.01	0.00	0.04	3.96	3.92	21.92
4802.0	5.9	57.	2.26	0.03	0.00	0.05	3.95	3.92	21.88
4803.0	6.6	48.	2.23	0.07	0.00	0.10	3.91	3.92	21.83
4804.0	8.4	42.	2.19	0.08	0.00	0.14	3.84	3.92	21.71
4805.0	5.5	56.	2.15	0.02	0.00	0.03	3.78	3.92	21.60
4806.0	4.6	43.	2.13	0.01	0.00	0.01	3.77	3.92	21.59
4807.0	6.8	26.	2.09	0.07	0.00	0.08	3.74	3.92	21.55
4808.0	5.0	36.	2.05	0.01	0.00	0.02	3.69	3.92	21.49
4809.0	2.1	78.	2.02	0.00	0.00	0.00	3.68	3.92	21.48
4810.0	2.0	100.	2.02	0.00	0.00	0.00	3.68	3.92	21.48
4811.0	4.9	64.	2.02	0.01	0.00	0.01	3.68	3.92	21.48
4812.0	6.2	63.	2.00	0.01	0.00	0.04	3.67	3.92	21.46
4813.0	6.3	61.	1.97	0.02	0.00	0.06	3.65	3.92	21.41
4814.0	4.9	64.	1.95	0.01	0.00	0.01	3.64	3.92	21.36
4815.0	6.8	56.	1.93	0.05	0.00	0.12	3.63	3.92	21.34

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4816.0	6.5	51.	1.90	0.03	0.00	0.06	3.58	3.92	21.23
4817.0	3.7	62.	1.87	0.00	0.00	0.00	3.56	3.92	21.19
4818.0	2.3	81.	1.86	0.00	0.00	0.00	3.56	3.92	21.19
4819.0	1.9	87.	1.85	0.00	0.00	0.00	3.56	3.92	21.19
4820.0	2.2	100.	1.85	0.00	0.00	0.00	3.56	3.92	21.19
4821.0	4.9	93.	1.85	0.00	0.00	0.00	3.56	3.92	21.19
4822.0	6.9	69.	1.84	0.01	0.01	0.00	3.56	3.92	21.19
4823.0	6.1	80.	1.82	0.01	0.01	0.06	3.55	3.92	21.18
4824.0	7.4	78.	1.81	0.01	0.02	0.08	3.54	3.91	21.10
4825.0	8.3	75.	1.79	0.01	0.05	0.19	3.54	3.88	21.01
4826.0	7.8	87.	1.77	0.00	0.05	0.20	3.52	3.83	20.81
4827.0	9.4	76.	1.76	0.04	0.13	0.27	3.51	3.77	20.59
4828.0	9.9	72.	1.73	0.05	0.20	0.71	3.50	3.61	20.23
4829.0	10.4	70.	1.70	0.07	0.13	0.57	3.46	3.43	19.53
4830.0	9.7	72.	1.67	0.05	0.16	0.81	3.40	3.31	18.94
4831.0	6.6	93.	1.65	0.00	0.17	0.72	3.33	3.18	18.73
4832.0	5.6	100.	1.64	0.00	0.11	0.16	3.30	3.02	17.68
4833.0	4.9	100.	1.64	0.00	0.04	0.04	3.30	2.92	17.54
4834.0	5.6	100.	1.64	0.00	0.01	0.01	3.30	2.88	17.50
4835.0	5.5	67.	1.63	0.00	0.04	0.04	3.30	2.86	17.49
4836.0	4.5	71.	1.62	0.01	0.00	0.03	3.29	2.84	17.43
4837.0	4.2	65.	1.62	0.00	0.00	0.01	3.28	2.84	17.41
4838.0	5.4	65.	1.60	0.00	0.00	0.00	3.28	2.84	17.41
4839.0	5.4	65.	1.59	0.01	0.00	0.03	3.27	2.84	17.41
4839.0	5.5	80.	1.57	0.00	0.01	0.04	3.27	2.84	17.40
4840.0	4.9	67.	1.56	0.00	0.01	0.04	3.27	2.84	17.36
4841.0	5.9	55.	1.56	0.00	0.00	0.01	3.26	2.84	17.34
4841.0	5.9	55.	1.54	0.03	0.00	0.05	3.26	2.84	17.34
4842.0	5.8	54.	1.52	0.03	0.00	0.04	3.22	2.84	17.32
4843.0	5.7	81.	1.49	0.00	0.00	0.04	3.22	2.84	17.27
4844.0	11.8	78.	1.48	0.00	0.01	0.04	3.20	2.84	17.23
4845.0	14.3	68.	1.48	0.00	0.92	2.48	3.18	2.70	16.77
4846.0	12.9	59.	1.44	0.45	1.23	5.32	2.95	1.58	12.99
4847.0	12.5	53.	1.39	0.44	0.26	2.45	2.50	0.70	8.60
4848.0	12.4	44.	1.34	0.37	0.09	1.45	2.05	0.49	6.35
4849.0	11.0	41.	1.28	0.31	0.01	0.76	1.70	0.43	5.11
4850.0	7.4	43.	1.21	0.11	0.00	0.22	1.42	0.42	4.46
4851.0	7.0	48.	1.15	0.05	0.00	0.07	1.35	0.42	4.32
4852.0	7.4	48.	1.11	0.02	0.00	0.03	1.31	0.42	4.27
4853.0	7.4	53.	1.07	0.03	0.00	0.08	1.29	0.42	4.23
4854.0	8.9	50.	1.03	0.08	0.00	0.20	1.25	0.42	4.12
4854.0	9.2	45.	0.99	0.12	0.00	0.23	1.16	0.42	3.91
4855.0	7.5	49.	0.94	0.07	0.00	0.14	1.07	0.42	3.73
4856.0	7.4	44.	0.90	0.03	0.00	0.04	1.01	0.42	3.61
4857.0	8.5	35.	0.86	0.02	0.00	0.02	0.98	0.42	3.58
4858.0	7.8	37.	0.80	0.01	0.00	0.02	0.97	0.42	3.56
4859.0	8.3	33.	0.76	0.02	0.00	0.03	0.96	0.42	3.54
4860.0	7.1	42.	0.70	0.00	0.00	0.00	0.93	0.42	3.52
4861.0	1.8	100.	0.67	0.00	0.00	0.00	0.93	0.42	3.51
4862.0	0.5	100.	0.67	0.00	0.00	0.00	0.93	0.42	3.51
4863.0	1.9	85.	0.67	0.00	0.00	0.00	0.93	0.42	3.51

DEPTH FEET	POR. TOTAL %	WATER SAT. %	CUM HC-FT	PERM HC	PERM WATER	PERM TOTAL	CUMULATIVE		
							PERM HC	PERM WATER	PERM TOTAL
4864.0	2.3	70.	0.67	0.00	0.00	0.00	0.93	0.42	3.51
4865.0	3.2	80.	0.66	0.00	0.00	0.00	0.93	0.42	3.51
4866.0	5.7	88.	0.65	0.00	0.01	0.03	0.93	0.42	3.51
4867.0	8.7	72.	0.64	0.00	0.01	0.04	0.93	0.40	3.48
4868.0	7.4	94.	0.62	0.00	0.05	0.06	0.93	0.40	3.45
4869.0	10.2	84.	0.62	0.01	0.13	0.28	0.93	0.31	3.34
4870.0	12.0	67.	0.59	0.05	0.09	0.49	0.91	0.17	2.95
4871.0	9.0	72.	0.56	0.01	0.02	0.08	0.87	0.10	2.58
4872.0	6.4	65.	0.53	0.00	0.00	0.01	0.87	0.08	2.52
4873.0	8.2	44.	0.51	0.01	0.00	0.02	0.86	0.08	2.51
4874.0	10.6	54.	0.46	0.07	0.01	0.28	0.82	0.08	2.41
4875.0	8.3	66.	0.41	0.04	0.02	0.25	0.76	0.06	2.13
4876.0	7.8	59.	0.39	0.08	0.01	0.26	0.71	0.04	1.87
4877.0	8.0	49.	0.35	0.12	0.00	0.23	0.59	0.03	1.59
4878.0	7.7	59.	0.31	0.07	0.00	0.18	0.48	0.03	1.37
4879.0	7.9	61.	0.28	0.06	0.01	0.21	0.40	0.03	1.16
4880.0	8.2	63.	0.25	0.06	0.01	0.24	0.34	0.02	0.93
4881.0	9.3	53.	0.21	0.08	0.00	0.19	0.28	0.01	0.70
4882.0	9.2	56.	0.17	0.07	0.00	0.20	0.21	0.01	0.52
4883.0	9.1	55.	0.13	0.07	0.00	0.18	0.14	0.00	0.33
4884.0	9.5	53.	0.09	0.07	0.00	0.17	0.07	0.00	0.15
4885.0	9.1	50.	0.04	0.02	0.00	0.03	0.02	0.00	0.04
4886.0	6.3	72.	0.01	0.01	0.00	0.03	0.01	0.00	0.01