
* CORIBAND *

* SCHLUMBERGER *

COMPANY PHILLIPS PETROLEUM CO.
WELL EVGSAU 3333-004
FIELD VACUUM GRAYBURG SAN ANDRES
COUNTY LEA
STATE NEW MEXICO
DATE 8-JULY-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%]

* CORIBAND *

* SCHUMBERGER *

COMPANY PHILLIPS PETROLEUM CO.
WELL PAGSAD 3433-004
FIELD WILSON GRAYBURG SAN ANDRES
COUNTY LEA
STATE NEW MEXICO
DATE 8-JULY-79
COMPUTED AT: - PERMIAN BASIN COMPUTING CENTER

THIS JOB IS LISTED FROM TOP TO BOTTOM
THIS IS A FOOT LISTING
LISTING IS DISCRIMINATED FOR VSH>50#
LISTING IS DISCRIMINATED FOR PHI<1.9#
PERMEABILITY = (62500(PHI**6))\(***2) (10#<2#<20#)

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4001.0	0.00	100	3.1	0.0	2.81	0 21.16 12.51
4028.0	0.00	100	3.0	0.0	2.70	0 21.07 12.51
4029.0	0.00	100	2.9	0.0	2.71	0 21.04 12.51
4030.0	0.00	100	3.6	0.0	2.70	0 21.01 12.51
4031.0	0.00	100	2.6	0.0	2.69	0 20.98 12.51
4032.0	0.00	100	4.5	0.0	2.74	0 20.95 12.51
4033.0	0.01	100	5.6	0.0	2.78	1 20.90 12.51
4034.0	0.00	100	2.1	0.0	2.82	0 20.85 12.51
4067.0	0.00	100	4.9	0.0	2.70	0 20.78 12.51
4068.0	0.00	100	4.9	0.0	2.73	0 20.73 12.51
4069.0	0.00	100	3.6	0.0	2.76	0 20.68 12.51
4078.0	0.00	100	3.7	0.0	2.82	0 20.64 12.51
4079.0	0.00	100	1.9	0.0	2.81	0 20.60 12.51
4084.0	0.00	100	2.5	0.0	2.84	0 20.56 12.51
4085.0	0.00	100	2.1	0.0	2.85	0 20.53 12.51
4140.0	0.00	100	2.2	0.0	2.81	0 20.50 12.51
4148.0	0.00	100	3.1	0.0	2.72	0 20.45 12.51
4149.0	0.00	100	2.8	0.0	2.73	4 20.43 12.51
4157.0	0.00	100	3.4	0.0	2.79	0 20.37 12.51
4158.0	0.00	100	3.3	0.0	2.81	13 20.33 12.51
4159.0	0.00	100	3.6	0.0	2.84	6 20.30 12.51
4191.0	0.00	100	3.3	0.0	2.80	0 20.24 12.51
4192.0	0.00	100	3.6	0.0	2.78	7 20.20 12.51
4193.0	0.00	100	3.7	0.0	2.77	2 20.17 12.51
4197.0	0.00	100	4.1	0.0	2.70	2 20.10 12.51
4198.0	0.19	51	9.5	0.0	2.71	0 20.04 12.50
4199.0	0.07	52	8.0	0.0	2.71	0 19.95 12.45
4200.0	0.01	53	6.1	0.0	2.69	0 19.88 12.42
4201.0	0.00	76	4.6	0.0	2.71	4 19.82 12.40
4202.0	0.00	100	2.4	0.0	2.71	8 19.78 12.39
4203.0	0.00	100	2.4	0.0	2.74	9 19.76 12.39
4204.0	0.00	100	2.9	0.0	2.77	4 19.73 12.39
4205.0	0.00	100	2.5	0.0	2.75	3 19.71 12.39
4209.0	0.00	100	2.0	0.0	2.85	0 19.66 12.39
4235.0	0.00	100	3.5	0.0	2.76	0 19.58 12.39
4236.0	0.00	100	3.4	0.0	2.74	0 19.54 12.39

FEET	DEPTH (INDEX)	PERM. TO OIL-GAS	WELL #	TOTAL SEC. POROSITY %	MATRIX DENSITY G/CC	SHAPE VOLUME %	PORE-FT INTEGRATIONS	CUMULATIVE HC-FT
4001.0	0.00	100	3.1	0.0	5.81	0	51.10	15.21
4028.0	0.00	100	3.0	0.0	5.70	0	51.07	15.21
4029.0	0.00	100	2.9	0.0	5.71	0	51.04	15.21
4030.0	0.00	100	3.0	0.0	5.70	0	51.01	15.21
4031.0	0.00	100	2.8	0.0	5.69	0	50.98	15.21
4032.0	0.00	100	4.2	0.0	5.74	0	50.95	15.21
4033.0	0.01	100	2.6	0.0	5.78	1	50.90	15.21
4034.0	0.00	100	2.1	0.0	5.85	0	50.82	15.21
4061.0	0.00	100	4.9	0.0	5.70	0	50.78	15.21
4064.0	0.00	100	4.9	0.0	5.73	0	50.73	15.21
4069.0	0.00	100	3.6	0.0	5.76	0	50.68	15.21
4078.0	0.00	100	3.7	0.0	5.85	0	50.64	15.21
4079.0	0.00	100	1.9	0.0	5.81	0	50.60	15.21
4084.0	0.00	100	2.2	0.0	5.84	0	50.56	15.21
4085.0	0.00	100	2.1	0.0	5.82	0	50.53	15.21
4140.0	0.00	100	2.5	0.0	5.81	0	50.50	15.21
4148.0	0.00	100	3.1	0.0	5.75	0	50.42	15.21
4149.0	0.00	100	2.8	0.0	5.73	4	50.43	15.21
4157.0	0.00	100	3.4	0.0	5.79	0	50.37	15.21
4158.0	0.00	100	3.3	0.0	5.81	13	50.33	15.21
4159.0	0.00	100	3.6	0.0	5.84	6	50.30	15.21
4191.0	0.00	100	3.3	0.0	5.80	0	50.24	15.21
4195.0	0.00	100	3.6	0.0	5.78	7	50.20	15.21
4193.0	0.00	100	3.7	0.0	5.77	5	50.17	15.21
4197.0	0.00	100	4.1	0.0	5.70	5	50.10	15.21
4198.0	0.10	21	2.2	0.0	5.71	0	50.04	15.20
4199.0	0.07	23	8.0	0.0	5.71	0	19.92	15.42
4200.0	0.01	23	6.1	0.0	5.69	0	19.88	15.43
4201.0	0.00	28	4.6	0.0	5.71	4	19.85	15.40
4202.0	0.00	100	2.4	0.0	5.71	8	19.78	15.39
4203.0	0.00	100	2.4	0.0	5.74	0	19.76	15.39
4204.0	0.00	100	2.9	0.0	5.77	4	19.73	15.39
4205.0	0.00	100	2.2	0.0	5.72	3	19.71	15.39
4206.0	0.00	100	2.0	0.0	5.82	0	19.66	15.39
4232.0	0.00	100	3.2	0.0	5.76	0	19.58	15.39
4234.0	0.00	100	3.4	0.0	5.74	0	19.54	15.39

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GN/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS	
						POR-FT	NC-FT
4237.0	0.00	100	3.9	2.75	0	19.51	12.39
4238.0	0.00	100	3.4	2.78	0	19.47	12.39
4239.0	0.00	100	3.0	2.74	0	19.43	12.39
4240.0	0.00	98	3.7	2.69	0	19.40	12.39
4241.0	0.00	80	4.3	2.70	0	19.36	12.39
4242.0	0.00	100	2.9	2.70	0	19.32	12.38
4243.0	0.00	100	2.5	2.70	0	19.29	12.38
4244.0	0.00	100	2.4	2.71	0	19.27	12.38
4245.0	0.00	97	3.7	2.70	0	19.24	12.38
4246.0	0.00	95	4.4	2.71	5	19.20	12.38
4247.0	0.00	98	4.6	2.71	1	19.16	12.38
4248.0	0.00	100	2.9	2.70	7	19.11	12.37
4249.0	0.00	100	2.6	2.80	0	19.08	12.37
4259.0	0.00	100	2.7	2.73	0	19.05	12.37
4260.0	0.00	100	2.9	2.72	5	19.02	12.37
4261.0	0.00	100	3.4	2.78	2	18.99	12.37
4262.0	0.00	100	2.6	2.80	0	18.96	12.37
4272.0	0.00	100	2.1	2.78	0	18.91	12.37
4276.0	0.00	100	4.1	2.76	3	18.85	12.37
4277.0	0.00	100	4.4	2.76	2	18.81	12.37
4278.0	0.00	100	4.3	2.76	0	18.76	12.37
4279.0	0.00	100	4.2	2.77	0	18.72	12.37
4305.0	0.00	100	2.4	2.75	0	18.51	12.37
4306.0	0.00	100	3.8	2.75	0	18.48	12.37
4307.0	0.00	100	3.8	2.74	0	18.45	12.37
4308.0	0.00	100	2.3	2.75	7	18.41	12.37
4309.0	0.00	99	2.6	2.71	5	18.39	12.37
4310.0	0.00	100	2.3	2.71	4	18.36	12.37
4311.0	0.00	100	2.2	2.72	5	18.34	12.37
4312.0	0.00	100	2.3	2.72	5	18.31	12.37
4313.0	0.00	100	3.2	2.78	0	18.28	12.37
4314.0	0.00	100	3.0	2.83	0	18.25	12.37
4315.0	0.00	100	2.3	2.83	0	18.23	12.37
4328.0	0.00	100	2.3	2.82	0	18.19	12.37
4329.0	0.00	100	3.7	2.83	6	18.16	12.37
4342.0	0.00	100	2.2	2.76	0	18.05	12.37
4343.0	0.00	64	4.2	2.76	5	18.03	12.37
4344.0	0.01	57	5.5	2.77	6	17.98	12.35
4345.0	0.00	74	4.0	2.78	0	17.93	12.33
4355.0	0.00	100	2.3	2.75	4	17.85	12.32
4356.0	0.00	100	3.4	2.76	5	17.82	12.32

FEET (INDEX)	PERM. TO OIL-GAS	WATER SAT.	POROSITY TOTAL SEC.	DENSITY MATRIX	SHALE VOLUME	BORE-HOLE INTEGRATIONS	CUMULATIVE HC-FIT
43237.0	0.00	100	3.8	5.78	0	19.51	15.39
43238.0	0.00	100	3.4	5.78	0	19.47	15.39
43239.0	0.00	100	3.0	5.74	0	19.43	15.39
43240.0	0.00	92	3.7	5.69	0	19.40	15.39
43241.0	0.00	80	4.3	5.70	0	19.36	15.39
43242.0	0.00	100	5.8	5.70	0	19.32	15.38
43243.0	0.00	100	5.2	5.70	0	19.29	15.38
43244.0	0.00	100	5.4	5.71	0	19.27	15.38
43245.0	0.00	97	3.7	5.70	0	19.24	15.38
43246.0	0.00	92	4.4	5.71	2	19.20	15.38
43247.0	0.00	88	4.6	5.71	1	19.16	15.38
43248.0	0.00	100	5.9	5.70	7	19.11	15.37
43249.0	0.00	100	5.6	5.80	0	19.08	15.37
43250.0	0.00	100	5.7	5.73	0	19.05	15.37
43251.0	0.00	100	5.9	5.75	2	19.02	15.37
43252.0	0.00	100	3.4	5.78	5	18.99	15.37
43253.0	0.00	100	5.9	5.80	0	18.96	15.37
43254.0	0.00	100	5.1	5.78	0	18.91	15.37
43255.0	0.00	100	4.1	5.76	3	18.88	15.37
43256.0	0.00	100	4.4	5.76	5	18.81	15.37
43257.0	0.00	100	4.3	5.76	0	18.76	15.37
43258.0	0.00	100	4.5	5.77	0	18.75	15.37
43259.0	0.00	100	5.4	5.75	0	18.71	15.37
43260.0	0.00	100	5.4	5.75	0	18.61	15.37
43261.0	0.00	100	3.8	5.75	0	18.46	15.37
43262.0	0.00	100	3.8	5.74	0	18.42	15.37
43263.0	0.00	100	5.3	5.75	7	18.41	15.37
43264.0	0.00	99	5.6	5.71	2	18.39	15.37
43265.0	0.00	100	5.3	5.71	4	18.36	15.37
43266.0	0.00	100	5.5	5.75	2	18.34	15.37
43267.0	0.00	100	5.3	5.75	2	18.31	15.37
43268.0	0.00	100	3.5	5.74	0	18.28	15.37
43269.0	0.00	100	3.0	5.83	0	18.25	15.37
43270.0	0.00	100	5.3	5.83	0	18.23	15.37
43271.0	0.00	100	5.3	5.85	0	18.19	15.37
43272.0	0.00	100	3.7	5.83	6	18.16	15.37
43273.0	0.00	100	5.5	5.76	0	18.05	15.37
43274.0	0.00	94	4.5	5.76	2	18.03	15.37
43275.0	0.01	27	5.2	5.77	6	17.98	15.35
43276.0	0.00	74	4.0	5.78	0	17.93	15.33
43277.0	0.00	100	5.3	5.75	4	17.85	15.35

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HG-FT		
4357.0	0.00	100	3.4	0.0	2.74	7	17.79	12.32
4358.0	0.00	100	3.4	0.0	2.74	6	17.75	12.32
4359.0	0.00	100	2.4	0.0	2.71	11	17.72	12.32
4360.0	0.00	100	2.4	0.0	2.73	8	17.70	12.32
4361.0	0.00	100	2.2	0.0	2.73	7	17.67	12.32
4362.0	0.00	100	2.9	0.0	2.70	5	17.65	12.32
4363.0	0.00	100	2.1	0.0	2.73	8	17.63	12.32
4364.0	0.00	100	2.8	0.0	2.78	3	17.60	12.32
4365.0	0.00	100	2.4	0.0	2.81	0	17.57	12.32
4366.0	0.00	100	3.2	0.0	2.80	2	17.55	12.32
4367.0	0.00	93	2.4	0.0	2.79	0	17.53	12.32
4368.0	0.00	100	2.3	0.0	2.80	0	17.51	12.32
4372.0	0.00	100	3.4	0.0	2.78	1	17.44	12.32
4373.0	0.00	100	2.2	0.0	2.75	11	17.41	12.32
4375.0	0.00	99	2.5	0.0	2.75	8	17.37	12.32
4376.0	0.00	100	2.4	0.0	2.82	2	17.35	12.32
4384.0	0.00	64	3.3	0.0	2.80	0	17.28	12.32
4393.0	0.00	100	2.3	0.0	2.84	0	17.18	12.31
4394.0	0.00	100	2.6	0.0	2.85	0	17.15	12.31
4398.0	0.00	87	2.8	0.0	2.80	3	17.11	12.31
4399.0	0.00	100	2.8	0.0	2.81	0	17.08	12.31
4402.0	0.00	99	2.1	0.0	2.82	0	17.04	12.30
4406.0	0.00	96	3.0	0.1	2.84	6	16.98	12.30
4407.0	0.00	97	2.6	0.0	2.86	4	16.95	12.30
4408.0	0.00	100	2.2	0.0	2.85	3	16.92	12.30
4414.0	0.00	31	3.3	0.0	2.78	0	16.84	12.28
4415.0	0.03	23	5.3	0.3	2.78	0	16.80	12.26
4416.0	0.04	22	5.5	0.0	2.80	0	16.74	12.21
4417.0	0.17	18	6.7	0.0	2.83	0	16.68	12.17
4418.0	0.21	17	6.9	0.0	2.83	0	16.62	12.11
4419.0	2.51	10	8.7	0.0	2.83	0	16.55	12.05
4420.0	5.00	6	9.6	1.2	2.84	0	16.45	11.97
4421.0	0.10	7	5.0	0.0	2.82	0	16.37	11.89
4422.0	0.00	14	2.1	0.0	2.81	0	16.33	11.85
4423.0	0.00	27	1.9	0.0	2.81	0	16.31	11.83
4424.0	0.02	13	4.4	0.4	2.80	0	16.28	11.81
4425.0	0.00	17	3.3	1.1	2.78	0	16.25	11.78
4426.0	0.17	12	5.9	1.9	2.80	0	16.21	11.75
4427.0	0.00	22	3.2	0.0	2.82	0	16.15	11.70
4428.0	0.27	11	6.1	1.8	2.84	0	16.12	11.68

FEET	DEEP PERM TO OIL-GAS (INDEX)	WATER SAT. %	PERMEABILITY TOTAL SEC. %	GRAVITY SPECIFIC	SHAPE VOLUME %	CUMULATIVE INTEGRATION COR-FIT
4327.0	0.00	100	3.4	0.0	7	17.79
4328.0	0.00	100	3.4	0.0	6	17.75
4329.0	0.00	100	3.4	0.0	11	17.75
4330.0	0.00	100	3.4	0.0	8	17.70
4331.0	0.00	100	3.3	0.0	7	17.67
4332.0	0.00	100	3.3	0.0	2	17.62
4333.0	0.00	100	3.1	0.0	8	17.63
4334.0	0.00	100	3.4	0.0	3	17.60
4335.0	0.00	100	3.4	0.0	0	17.57
4336.0	0.00	100	3.3	0.0	5	17.52
4337.0	0.00	93	3.4	0.0	0	17.53
4338.0	0.00	100	3.3	0.0	0	17.51
4339.0	0.00	100	3.4	0.0	1	17.44
4340.0	0.00	100	3.3	0.0	11	17.41
4341.0	0.00	92	3.2	0.0	4	17.37
4342.0	0.00	100	3.4	0.0	5	17.32
4343.0	0.00	64	3.3	0.0	0	17.28
4344.0	0.00	100	3.3	0.0	0	17.19
4345.0	0.00	100	3.6	0.0	0	17.12
4346.0	0.00	72	3.8	0.0	3	17.11
4347.0	0.00	100	3.8	0.0	0	17.08
4402.0	0.00	60	3.1	0.0	0	17.04
4403.0	0.00	60	3.0	0.1	6	16.98
4404.0	0.00	27	3.6	0.0	4	16.92
4405.0	0.00	100	3.3	0.0	3	16.95
4414.0	0.00	31	3.3	0.0	0	16.84
4415.0	0.03	53	3.3	0.3	0	16.80
4416.0	0.04	55	3.2	0.0	0	16.74
4417.0	0.17	14	3.7	0.0	0	16.68
4418.0	0.21	11	3.6	0.0	0	16.65
4419.0	0.21	10	3.7	0.0	0	16.52
4420.0	0.00	4	3.6	1.5	0	16.42
4421.0	0.10	7	3.0	0.0	0	16.37
4422.0	0.00	14	3.1	0.0	0	16.33
4423.0	0.00	27	3.6	0.0	0	16.31
4424.0	0.05	13	4.4	1.4	0	16.26
4425.0	0.00	17	3.3	1.1	0	16.22
4426.0	0.17	15	3.6	1.3	0	16.21
4427.0	0.00	32	3.5	0.0	0	16.12
4428.0	0.23	11	3.1	1.8	0	16.15

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT		
4429.0	0.09	14	5.5	0.2	2.83	0	16.05	11.62
4430.0	0.00	28	3.9	0.0	2.85	0	16.01	11.58
4431.0	0.15	16	6.3	0.0	2.83	0	15.96	11.55
4432.0	5.01	8	9.6	0.0	2.78	0	15.89	11.49
4433.0	8.92	7	10.6	1.7	2.81	0	15.79	11.39
4434.0	1.09	10	7.6	0.0	2.83	0	15.69	11.30
4435.0	1.25	10	7.7	1.1	2.83	0	15.62	11.24
4436.0	0.07	14	5.3	0.2	2.82	0	15.55	11.17
4437.0	0.01	19	4.2	0.0	2.79	0	15.50	11.13
4438.0	0.05	14	5.1	0.0	2.83	0	15.45	11.10
4439.0	0.04	14	5.0	0.0	2.85	0	15.40	11.05
4440.0	0.03	15	4.8	0.2	2.83	0	15.35	11.01
4441.0	0.10	15	5.7	0.7	2.83	0	15.30	10.97
4442.0	0.47	13	7.2	0.3	2.85	0	15.24	10.92
4443.0	0.38	13	7.0	0.2	2.85	0	15.17	10.85
4444.0	0.01	19	4.1	0.0	2.83	0	15.10	10.80
4448.0	0.06	10	4.8	1.6	2.84	0	15.03	10.75
4449.0	0.70	10	7.1	2.3	2.82	0	14.97	10.70
4450.0	1.87	9	8.2	2.7	2.84	0	14.90	10.63
4451.0	0.22	15	6.6	1.8	2.83	0	14.82	10.56
4452.0	0.00	27	3.3	0.0	2.82	0	14.77	10.52
4453.0	0.02	11	4.1	0.0	2.85	0	14.73	10.49
4454.0	0.00	18	2.6	0.0	2.86	0	14.69	10.46
4455.0	0.00	29	1.9	0.0	2.85	0	14.67	10.44
4456.0	0.01	17	3.7	0.0	2.85	0	14.65	10.42
4457.0	0.03	14	4.7	0.0	2.85	0	14.61	10.39
4458.0	0.11	13	5.7	0.0	2.83	0	14.56	10.35
4459.0	0.34	12	6.6	0.0	2.81	0	14.50	10.30
4460.0	0.26	12	6.4	0.0	2.80	0	14.43	10.24
4461.0	0.97	11	7.6	0.0	2.81	0	14.37	10.18
4462.0	1.39	11	8.3	0.0	2.84	0	14.29	10.11
4463.0	0.25	13	6.4	0.0	2.86	0	14.21	10.04
4464.0	0.69	10	6.9	2.2	2.87	0	14.15	9.99
4465.0	1.83	9	8.2	1.8	2.84	0	14.08	9.92
4466.0	9.58	8	10.7	3.5	2.86	0	13.99	9.84
4467.0	2.51	10	8.6	0.6	2.88	0	13.88	9.75
4468.0	0.00	22	3.3	0.0	2.85	0	13.81	9.69
4469.0	0.01	16	3.6	0.0	2.84	0	13.78	9.66
4470.0	1.04	10	7.4	0.8	2.81	0	13.74	9.63
4471.0	31.08	8	13.1	4.3	2.87	0	13.65	9.54
4472.0	1.26	11	8.1	0.0	2.85	0	13.52	9.43
4473.0	0.00	19	3.6	0.0	2.88	0	13.46	9.37
4474.0	0.02	15	4.4	0.0	2.89	0	13.42	9.34
4475.0	0.43	11	6.6	0.0	2.88	0	13.37	9.29
4476.0	2.62	9	8.7	0.0	2.86	0	13.30	9.23
4477.0	16.37	8	11.7	1.4	2.86	0	13.20	9.15
4478.0	39.46	7	13.6	2.7	2.87	0	13.08	9.03

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	SAT. #	POROSITY TOTAL SEC. %	MATRIX DENSITY G/CC	SHAPE VOLUME %	POR-FT INTEGRATIONS HC-FT CUMULATIVE
4478.0	38.46	7	13.6	2.7	0	13.08
4477.0	16.37	8	11.7	1.4	0	13.20
4476.0	5.65	9	8.7	0.0	0	13.30
4475.0	0.43	11	6.6	0.0	0	13.37
4474.0	0.05	12	4.4	0.0	0	13.42
4473.0	0.00	12	3.6	0.0	0	13.46
4472.0	1.26	11	8.1	0.0	0	13.25
4471.0	31.08	8	13.1	4.3	0	13.62
4470.0	1.04	10	7.4	0.8	0	13.74
4469.0	0.01	14	3.6	0.0	0	13.78
4468.0	0.00	25	3.3	0.0	0	13.81
4467.0	5.21	10	8.6	0.6	0	13.98
4466.0	2.28	8	10.7	3.2	0	13.92
4465.0	1.83	9	8.5	1.8	0	14.08
4464.0	0.66	10	6.9	5.5	0	14.12
4463.0	0.52	13	6.4	0.0	0	14.21
4462.0	1.36	11	8.3	0.0	0	14.29
4461.0	0.97	11	7.6	0.0	0	14.37
4460.0	0.56	12	6.4	0.0	0	14.43
4459.0	0.34	12	6.6	0.0	0	14.50
4458.0	0.11	13	2.7	0.0	0	14.56
4457.0	0.03	14	4.7	0.0	0	14.61
4456.0	0.01	17	3.7	0.0	0	14.62
4455.0	0.00	26	1.9	0.0	0	14.67
4454.0	0.00	18	5.6	0.0	0	14.69
4453.0	0.05	11	4.1	0.0	0	14.73
4452.0	0.00	27	3.3	0.0	0	14.77
4451.0	0.55	12	6.6	1.4	0	14.82
4450.0	1.87	9	8.5	5.7	0	14.80
4449.0	0.70	10	7.1	5.2	0	14.97
4448.0	0.66	10	4.8	1.6	0	15.03
4447.0	0.01	14	4.1	0.0	0	15.10
4446.0	0.38	13	7.0	0.5	0	15.17
4445.0	0.47	13	7.5	0.3	0	15.24
4444.0	0.10	14	2.7	0.7	0	15.30
4443.0	0.03	15	4.8	0.5	0	15.32
4442.0	0.04	14	2.0	0.0	0	15.40
4441.0	0.05	14	2.1	0.0	0	15.42
4440.0	0.01	16	4.5	0.0	0	15.50
4439.0	0.07	14	2.3	0.5	0	15.52
4438.0	1.52	10	7.7	1.1	0	15.62
4437.0	1.09	10	7.6	0.0	0	15.69
4436.0	8.92	7	10.6	1.7	0	15.79
4435.0	2.01	8	9.6	1.0	0	15.89
4434.0	0.12	14	6.3	0.0	0	15.93
4433.0	0.00	24	3.9	0.0	0	16.01
4432.0	0.09	14	2.2	0.3	0	16.02

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4479.0	44.55	7	13.9	2.6	2.85	0 12.94 8.91
4480.0	36.46	7	13.4	2.9	2.84	0 12.89 8.78
4481.0	66.69	7	14.8	3.2	2.87	0 12.67 8.65
4482.0	26.29	8	12.7	0.8	2.84	0 12.52 8.52
4483.0	27.13	8	12.8	2.6	2.85	0 12.40 8.41
4484.0	32.05	7	13.1	2.4	2.87	0 12.27 8.29
4485.0	10.36	8	10.9	0.3	2.85	0 12.15 8.17
4486.0	10.85	8	11.0	0.9	2.84	0 12.04 8.07
4487.0	5.06	9	9.7	0.0	2.83	0 11.93 7.98
4488.0	5.85	9	9.9	0.0	2.81	0 11.84 7.89
4489.0	17.15	9	11.8	0.5	2.86	0 11.73 7.79
4490.0	0.30	13	10.7	0.0	2.83	0 11.62 7.70
4491.0	0.01	14	4.0	0.0	2.87	0 11.56 7.65
4492.0	0.00	28	3.4	0.0	2.90	0 11.53 7.62
4493.0	0.09	16	5.9	0.0	2.84	0 11.49 7.59
4494.0	2.39	10	8.6	0.3	2.83	0 11.42 7.53
4495.0	12.59	8	11.2	2.2	2.81	0 11.33 7.45
4496.0	9.98	7	10.8	2.3	2.85	0 11.22 7.35
4497.0	5.58	8	9.8	0.0	2.87	0 11.11 7.25
4498.0	4.26	8	9.4	0.0	2.86	0 11.02 7.16
4499.0	13.28	8	11.3	1.3	2.86	0 10.92 7.07
4500.0	6.43	8	10.0	0.7	2.85	0 10.80 6.97
4501.0	5.86	9	9.9	1.6	2.84	0 10.70 6.87
4502.0	5.44	9	9.8	0.0	2.84	0 10.61 6.79
4503.0	20.55	8	12.2	0.6	2.87	0 10.51 6.70
4504.0	44.60	8	13.9	1.8	2.87	0 10.38 6.58
4505.0	12.07	9	11.2	0.0	2.86	0 10.25 6.46
4506.0	8.16	9	10.5	0.0	2.84	0 10.14 6.36
4507.0	25.74	8	12.7	1.1	2.86	0 10.03 6.27
4508.0	56.69	8	14.4	2.7	2.90	0 9.90 6.14
4509.0	27.42	8	12.8	2.6	2.88	0 9.76 6.02
4510.0	27.77	8	12.8	3.6	2.86	0 9.63 5.90
4511.0	14.14	8	11.5	2.1	2.83	0 9.51 5.78
4512.0	13.51	9	11.4	1.7	2.84	0 9.39 5.68
4513.0	17.68	9	11.9	3.1	2.85	0 9.28 5.58
4514.0	9.74	11	11.2	3.7	2.84	0 9.16 5.47
4515.0	0.50	14	7.4	2.3	2.84	0 9.05 5.38
4516.0	0.01	11	3.6	0.4	2.83	0 8.99 5.32
4517.0	0.00	14	2.5	0.0	2.80	0 8.96 5.29
4518.0	0.00	14	2.2	0.0	2.79	0 8.94 5.27
4519.0	0.04	12	4.7	0.0	2.80	0 8.91 5.25
4520.0	0.87	13	7.9	1.0	2.81	0 8.85 5.20
4521.0	2.19	11	8.9	1.8	2.83	0 8.77 5.13
4522.0	2.23	12	9.0	2.4	2.84	0 8.68 5.05
4523.0	18.22	13	13.3	4.4	2.82	0 8.59 4.97
4524.0	134.13	11	17.6	5.8	2.86	0 8.44 4.84
4525.0	20.04	11	12.6	2.0	2.85	0 8.27 4.69
4526.0	0.10	14	5.6	0.0	2.86	0 8.16 4.60

DEPTH FEET	PERM TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	DENSITY MATRIX G/CMCC	SHALE VOLUME %	CUMULATIVE PORA-FT INTEGRATION HC-FT
4479.0	44.22	7	13.9	2.82	0	12.84
4480.0	36.46	7	13.4	2.84	0	12.81
4481.0	66.66	7	14.8	2.87	0	12.67
4482.0	26.25	2	12.7	2.84	0	12.22
4483.0	27.13	4	12.8	2.82	0	12.40
4484.0	32.02	7	13.1	2.87	0	12.27
4485.0	10.36	8	10.9	2.82	0	12.12
4486.0	10.82	8	11.0	2.84	0	12.04
4487.0	2.06	9	9.7	2.83	0	11.93
4488.0	2.82	9	9.9	2.81	0	11.84
4489.0	17.12	9	11.8	2.86	0	11.73
4490.0	0.30	13	6.7	2.83	0	11.62
4491.0	0.01	14	4.0	2.87	0	11.26
4492.0	0.00	24	3.4	2.90	0	11.23
4493.0	0.09	16	2.2	2.84	0	11.49
4494.0	2.39	16	8.6	2.83	0	11.42
4495.0	12.29	8	11.2	2.81	0	11.33
4496.0	9.98	7	10.8	2.82	0	11.22
4497.0	2.28	8	9.8	2.87	0	11.11
4498.0	4.26	8	9.4	2.86	0	11.02
4499.0	13.28	8	11.3	2.86	0	10.92
4500.0	6.43	8	10.0	2.82	0	10.80
4501.0	2.86	9	9.9	2.84	0	10.70
4502.0	2.44	9	9.8	2.84	0	10.61
4503.0	20.22	9	12.2	2.87	0	10.21
4504.0	44.20	8	13.9	2.87	0	10.38
4505.0	12.07	9	11.2	2.86	0	10.22
4506.0	8.16	9	10.2	2.84	0	10.14
4507.0	22.74	9	12.7	2.86	0	10.03
4508.0	26.66	8	14.4	2.90	0	9.90
4509.0	27.42	8	12.8	2.88	0	9.76
4510.0	27.77	8	12.8	2.86	0	9.63
4511.0	14.14	8	11.2	2.83	0	9.21
4512.0	13.21	9	11.4	2.84	0	9.38
4513.0	17.68	9	11.9	2.82	0	9.28
4514.0	9.74	11	11.2	2.84	0	9.16
4515.0	0.20	14	7.4	2.84	0	9.02
4516.0	0.01	11	3.6	2.83	0	8.99
4517.0	0.00	14	2.2	2.80	0	8.96
4518.0	0.00	16	2.2	2.79	0	8.94
4519.0	0.04	12	4.7	2.80	0	8.91
4520.0	0.87	13	7.9	2.81	0	8.82
4521.0	2.19	11	8.9	2.83	0	8.77
4522.0	2.23	12	9.0	2.84	0	8.69
4523.0	18.22	13	13.3	2.82	0	8.29
4524.0	131.13	11	17.6	2.86	0	9.44
4525.0	20.04	11	12.6	2.82	0	8.27
4526.0	0.10	16	2.6	2.86	0	8.16

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. % "	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT HC-FT
4527.0	0.67	12	7.5 1.9	2.88	0	8.11 4.55
4528.0	0.46	14	7.3 1.8	2.87	0	8.93 4.48
4529.0	0.25	14	6.7 2.2	2.87	0	7.96 4.42
4530.0	0.59	14	7.5 2.5	2.86	0	7.89 4.36
4531.0	1.05	12	8.0 2.6	2.84	0	7.81 4.29
4532.0	0.05	18	5.4 1.8	2.84	0	7.74 4.23
4533.0	0.04	21	5.5 1.6	2.86	0	7.69 4.19
4534.0	0.03	20	5.2 0.4	2.83	0	7.63 4.15
4535.0	0.38	12	6.7 1.9	2.83	0	7.58 4.10
4536.0	0.04	25	5.9 1.9	2.84	0	7.51 4.05
4537.0	0.00	66	5.1 1.0	2.82	0	7.46 4.01
4538.0	0.00	75	4.6 0.1	2.83	0	7.41 4.00
4539.0	0.00	100	2.0 0.0	2.86	0	7.37 3.99
4541.0	0.00	100	2.0 0.0	2.84	0	7.33 3.99
4551.0	0.00	100	3.2 0.0	2.86	5	7.20 3.94
4552.0	0.00	100	3.2 0.0	2.89	0	7.17 3.94
4566.0	0.00	71	2.5 0.0	2.84	0	7.08 3.94
4567.0	0.19	18	6.9 2.2	2.83	0	7.05 3.93
4568.0	4.33	15	10.9 3.6	2.84	0	6.97 3.86
4569.0	0.32	22	8.0 0.1	2.85	0	6.86 3.78
4570.0	0.07	28	6.7 0.6	2.84	0	6.79 3.72
4571.0	0.70	21	9.0 2.0	2.81	0	6.72 3.67
4572.0	8.25	20	13.3 3.4	2.85	0	6.62 3.59
4573.0	3.73	28	13.0 1.8	2.84	0	6.48 3.48
4574.0	6.49	27	14.0 2.0	2.83	0	6.35 3.39
4575.0	23.41	25	17.0 3.6	2.85	0	6.20 3.28
4576.0	25.56	26	17.6 3.0	2.86	0	6.03 3.15
4577.0	17.58	28	16.8 1.5	2.87	0	5.86 3.03
4578.0	34.45	27	18.6 3.3	2.88	0	5.69 2.91
4579.0	28.18	28	18.3 3.1	2.88	0	5.51 2.77
4580.0	26.31	28	17.9 2.9	2.87	0	5.32 2.64
4581.0	54.08	25	19.5 4.6	2.88	0	5.14 2.51
4582.0	91.16	23	20.7 6.8	2.91	0	4.94 2.36
4583.0	28.27	26	17.8 5.9	2.88	0	4.74 2.21
4584.0	5.03	28	13.6 0.3	2.84	0	4.57 2.09
4585.0	2.27	31	12.4 1.9	2.83	0	4.44 1.99
4586.0	0.25	25	14.4 8.7	2.86	0	4.34 1.90
4587.0	7.74	22	13.5 4.5	2.87	0	4.17 1.80
4588.0	5.48	23	13.1 4.3	2.83	0	4.04 1.69
4589.0	10.46	26	15.1 3.9	2.86	0	3.90 1.59
4590.0	9.62	30	15.6 3.7	2.86	0	3.75 1.48
4591.0	3.26	37	13.9 2.4	2.83	0	3.60 1.38
4592.0	11.40	25	15.2 4.1	2.84	0	3.45 1.28
4593.0	5.98	12	10.6 0.2	2.84	0	3.31 1.17
4594.0	0.00	23	3.3 0.0	2.81	0	3.22 1.10

DEPTH FEET	DEPTH PERF. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY G/CMCC	SHAPE VOLUME %	CUMULATIVE INTEGRATIONS PDM-FT HC-FT
4254.0	0.00	23	3.3	0.0	2.81	3.25
4253.0	2.98	15	10.6	0.2	2.84	1.17
4252.0	11.40	22	12.2	4.1	2.84	1.28
4251.0	3.26	37	13.4	5.4	2.83	1.38
4250.0	9.62	30	12.6	7.7	2.86	1.48
4249.0	2.44	28	13.6	3.3	2.84	1.50
4248.0	2.03	28	13.6	3.3	2.84	1.52
4247.0	7.74	25	13.2	4.2	2.87	1.60
4246.0	8.22	22	13.1	4.3	2.83	1.69
4245.0	10.46	26	12.1	3.9	2.86	1.79
4244.0	2.03	23	13.6	3.3	2.86	1.80
4243.0	7.74	25	13.2	4.2	2.87	1.87
4242.0	8.22	22	13.1	4.3	2.83	1.96
4241.0	0.00	100	2.0	0.0	2.84	1.98
4240.0	0.00	100	2.0	0.0	2.84	1.98
4239.0	0.00	100	2.0	0.0	2.84	1.98
4238.0	0.00	72	4.6	0.1	2.82	1.41
4237.0	0.00	66	2.1	1.0	2.82	4.01
4236.0	0.04	24	2.9	1.9	2.84	4.02
4235.0	0.38	15	6.7	1.9	2.83	4.10
4234.0	0.03	20	2.2	0.4	2.83	4.12
4233.0	0.04	21	2.2	1.6	2.86	4.19
4232.0	0.02	18	2.4	1.8	2.84	4.23
4231.0	1.02	15	4.0	2.6	2.84	4.29
4230.0	0.29	14	3.2	2.2	2.86	4.36
4229.0	0.22	14	3.2	2.2	2.86	4.42
4228.0	0.46	14	3.3	1.8	2.87	4.48
4227.0	0.67	12	3.2	0.0	2.81	4.52
4226.0	0.00	71	2.2	0.0	2.84	3.94
4225.0	0.00	100	3.2	0.0	2.84	3.94
4224.0	0.00	100	3.2	0.0	2.84	3.94
4223.0	0.19	18	6.9	2.2	2.83	3.93
4222.0	4.33	12	10.9	3.6	2.84	3.86
4221.0	0.32	22	8.0	0.1	2.82	3.78
4220.0	0.07	21	6.7	0.6	2.84	3.72
4219.0	0.70	21	6.0	2.0	2.81	3.67
4218.0	8.22	20	13.3	3.4	2.82	3.59
4217.0	3.73	24	13.0	1.6	2.84	3.48
4216.0	6.46	27	14.0	2.0	2.83	3.39
4215.0	23.41	22	17.0	3.6	2.82	3.28
4214.0	22.26	24	17.6	3.0	2.86	3.12
4213.0	17.28	28	16.8	1.2	2.87	3.03
4212.0	34.42	27	18.6	3.3	2.86	2.91
4211.0	28.18	28	18.3	3.1	2.86	2.77
4210.0	26.31	28	17.9	2.9	2.87	2.64
4209.0	24.08	22	14.2	4.6	2.86	2.51
4208.0	91.16	23	20.7	6.8	2.91	2.36
4207.0	28.27	26	17.8	2.9	2.88	2.21
4206.0	2.03	28	13.6	3.3	2.84	2.09
4205.0	2.27	31	12.4	1.9	2.83	1.99
4204.0	8.22	22	14.4	4.7	2.86	1.90
4203.0	7.74	22	13.2	4.2	2.87	1.80
4202.0	2.44	23	13.1	4.3	2.83	1.69
4201.0	10.46	26	12.1	3.9	2.86	1.59
4200.0	9.62	30	12.6	7.7	2.86	1.48
4199.0	3.26	37	13.4	5.4	2.83	1.38
4198.0	11.40	22	12.2	4.1	2.84	1.28
4197.0	2.98	15	10.6	0.2	2.81	1.10

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR=FT NC=FT		
4595.0	0.01	20	4.6	1.5	2.87	0	3.19	1.07
4596.0	0.19	18	6.8	0.9	2.89	0	3.14	1.03
4597.0	0.00	100	3.3	0.0	2.83	0	3.09	1.00
4598.0	0.00	100	3.5	1.2	2.83	0	3.05	1.00
4599.0	0.00	73	3.5	0.0	2.83	0	3.01	1.00
4600.0	0.00	100	3.8	0.0	2.84	2	2.98	0.98
4601.0	0.01	94	5.7	0.4	2.86	9	2.94	0.98
4602.0	0.02	97	6.6	0.0	2.83	4	2.88	0.98
4603.0	0.01	98	5.8	0.0	2.81	0	2.81	0.97
4604.0	0.00	99	4.8	0.0	2.79	1	2.76	0.97
4605.0	0.03	73	7.0	0.0	2.78	8	2.71	0.97
4606.0	0.51	59	11.2	0.0	2.76	11	2.62	0.95
4607.0	0.07	96	8.1	0.0	2.81	17	2.51	0.90
4608.0	0.01	100	6.0	0.0	2.87	8	2.45	0.90
4609.0	0.01	100	5.6	0.0	2.86	7	2.39	0.90
4610.0	0.03	92	7.1	0.0	2.86	4	2.33	0.90
4611.0	0.03	69	7.0	1.6	2.85	1	2.26	0.89
4612.0	0.00	100	4.1	0.0	2.84	0	2.20	0.87
4613.0	0.00	100	4.4	0.0	2.87	0	2.16	0.87
4614.0	0.00	100	3.8	0.0	2.84	0	2.11	0.87
4615.0	0.01	99	5.4	0.0	2.84	0	2.07	0.87
4616.0	0.02	99	6.5	0.7	2.86	5	2.02	0.87
4617.0	0.02	100	6.7	0.0	2.85	0	1.95	0.87
4618.0	0.01	100	5.2	0.0	2.84	0	1.89	0.87
4619.0	0.00	100	4.9	0.0	2.90	16	1.83	0.87
4620.0	0.01	100	6.0	0.0	2.92	1	1.79	0.87
4622.0	0.00	100	2.0	0.0	2.86	0	1.72	0.87
4623.0	0.00	100	2.1	0.0	2.85	0	1.70	0.87
4634.0	0.00	100	2.3	0.0	2.89	0	1.64	0.87
4635.0	0.00	100	4.1	0.0	2.89	0	1.61	0.87
4636.0	0.00	100	4.9	0.0	2.87	0	1.57	0.87
4637.0	0.00	100	2.1	0.0	2.85	0	1.53	0.87
4642.0	0.00	43	4.5	0.0	2.88	0	1.51	0.87
4643.0	5.38	21	12.5	2.9	2.88	0	1.44	0.83
4644.0	22.63	19	15.5	4.4	2.89	0	1.31	0.72
4645.0	5.98	23	13.2	3.5	2.88	0	1.16	0.60
4646.0	1.98	31	12.1	3.5	2.85	0	1.03	0.50
4647.0	2.42	34	12.9	4.2	2.87	0	0.90	0.42
4648.0	0.71	45	11.5	2.9	2.85	0	0.78	0.34
4649.0	1.45	51	13.4	3.2	2.83	0	0.66	0.28
4650.0	4.44	49	16.1	5.3	2.85	0	0.52	0.20
4651.0	4.61	56	16.3	5.4	2.88	0	0.35	0.12
4652.0	2.04	67	14.2	1.9	2.89	0	0.19	0.06
4653.0	0.82	73	12.2	0.0	2.89	0	0.06	0.02

DEPTH FEET	PERM. TO OIL-GAS (INDEX)	WATER SAT. %	TOTAL POROSITY %	MATRIX DENSITY G/CC	SHALE VOLUME %	CUMULATIVE PORE-T INTEGRATIONS HC-FT
4223.0	0.82	73	12.2	2.82	0	0.04
4225.0	0.04	27	14.2	2.82	0	0.19
4227.0	4.21	26	16.3	2.88	0	0.32
4229.0	0.44	46	16.1	2.82	0	0.22
4230.0	0.88	42	11.2	2.82	0	0.71
4231.0	0.71	42	11.2	2.82	0	0.71
4232.0	0.71	42	11.2	2.82	0	0.71
4233.0	0.02	21	12.2	2.82	0	0.71
4234.0	0.02	31	12.1	2.82	0	0.71
4235.0	0.02	31	12.1	2.82	0	0.71
4236.0	0.02	31	12.1	2.82	0	0.71
4237.0	0.02	31	12.1	2.82	0	0.71
4238.0	0.02	31	12.1	2.82	0	0.71
4239.0	0.02	31	12.1	2.82	0	0.71
4240.0	0.02	31	12.1	2.82	0	0.71
4241.0	0.02	31	12.1	2.82	0	0.71
4242.0	0.02	31	12.1	2.82	0	0.71
4243.0	0.02	31	12.1	2.82	0	0.71
4244.0	0.02	31	12.1	2.82	0	0.71
4245.0	0.02	31	12.1	2.82	0	0.71
4246.0	0.02	31	12.1	2.82	0	0.71
4247.0	0.02	31	12.1	2.82	0	0.71
4248.0	0.02	31	12.1	2.82	0	0.71
4249.0	0.02	31	12.1	2.82	0	0.71
4250.0	0.02	31	12.1	2.82	0	0.71
4251.0	0.02	31	12.1	2.82	0	0.71
4252.0	0.02	31	12.1	2.82	0	0.71
4253.0	0.02	31	12.1	2.82	0	0.71
4254.0	0.02	31	12.1	2.82	0	0.71
4255.0	0.02	31	12.1	2.82	0	0.71
4256.0	0.02	31	12.1	2.82	0	0.71
4257.0	0.02	31	12.1	2.82	0	0.71
4258.0	0.02	31	12.1	2.82	0	0.71
4259.0	0.02	31	12.1	2.82	0	0.71
4260.0	0.02	31	12.1	2.82	0	0.71
4261.0	0.02	31	12.1	2.82	0	0.71
4262.0	0.02	31	12.1	2.82	0	0.71
4263.0	0.02	31	12.1	2.82	0	0.71
4264.0	0.02	31	12.1	2.82	0	0.71
4265.0	0.02	31	12.1	2.82	0	0.71
4266.0	0.02	31	12.1	2.82	0	0.71
4267.0	0.02	31	12.1	2.82	0	0.71
4268.0	0.02	31	12.1	2.82	0	0.71
4269.0	0.02	31	12.1	2.82	0	0.71
4270.0	0.02	31	12.1	2.82	0	0.71
4271.0	0.02	31	12.1	2.82	0	0.71
4272.0	0.02	31	12.1	2.82	0	0.71
4273.0	0.02	31	12.1	2.82	0	0.71
4274.0	0.02	31	12.1	2.82	0	0.71
4275.0	0.02	31	12.1	2.82	0	0.71
4276.0	0.02	31	12.1	2.82	0	0.71
4277.0	0.02	31	12.1	2.82	0	0.71
4278.0	0.02	31	12.1	2.82	0	0.71
4279.0	0.02	31	12.1	2.82	0	0.71
4280.0	0.02	31	12.1	2.82	0	0.71
4281.0	0.02	31	12.1	2.82	0	0.71
4282.0	0.02	31	12.1	2.82	0	0.71
4283.0	0.02	31	12.1	2.82	0	0.71
4284.0	0.02	31	12.1	2.82	0	0.71
4285.0	0.02	31	12.1	2.82	0	0.71
4286.0	0.02	31	12.1	2.82	0	0.71
4287.0	0.02	31	12.1	2.82	0	0.71
4288.0	0.02	31	12.1	2.82	0	0.71
4289.0	0.02	31	12.1	2.82	0	0.71
4290.0	0.02	31	12.1	2.82	0	0.71
4291.0	0.02	31	12.1	2.82	0	0.71
4292.0	0.02	31	12.1	2.82	0	0.71
4293.0	0.02	31	12.1	2.82	0	0.71
4294.0	0.02	31	12.1	2.82	0	0.71
4295.0	0.02	31	12.1	2.82	0	0.71
4296.0	0.02	31	12.1	2.82	0	0.71
4297.0	0.02	31	12.1	2.82	0	0.71
4298.0	0.02	31	12.1	2.82	0	0.71
4299.0	0.02	31	12.1	2.82	0	0.71
4300.0	0.02	31	12.1	2.82	0	0.71