
*
*
*

*
* SCHLUMBERGER *
*

COMPUTER PROCESSED INTERPRETATION CORIPANO

COMPANY : PHILLIPS PETRO. CO.
WELL : EVGSAU 3202-010
FIELD : EAST VACHEL
COUNTRY : LEA
REFERENCE : NEW-MEXICO
LOGGED : 20-DEC-81
PROCESSED : 28-DEC-81

DEPTH FT	VCI %	ROMA G/C3	SW %	PERM MD	PCR %	SPI %	CUMU LATIVE POR/ FT HC/ FT	
4014.0	0	2.82	94	0	2.87	0	51.31	26.25
4015.0	0	2.79	73	0	3.51	0	51.27	26.25
4016.0	0	2.79	90	0	3.69	0	51.24	26.24
4028.0	0	2.72	100	0	3.08	0	51.14	26.24
4029.0	0	2.74	71	0	3.98	0	51.11	26.23
4030.0	0	2.79	100	0	2.34	0	51.07	26.23
4031.0	0	2.80	100	0	3.29	0	51.05	26.23
4040.0	0	2.80	100	0	3.18	0	51.00	26.23
4043.0	0	2.81	100	0	2.02	0	50.94	26.23
4080.0	0	2.82	100	0	2.76	0	50.66	26.23
4081.0	0	2.82	100	0	2.62	0	50.63	26.22
4097.0	0	2.81	100	0	3.47	0	50.74	26.21
4105.0	0	2.70	37	0	3.59	0	50.65	26.20
4106.0	0	2.74	64	0	2.69	0	50.61	26.18
4146.0	0	2.77	96	0	2.87	0	50.54	26.17
4147.0	0	2.78	84	0	3.96	0	50.51	26.17
4148.0	0	2.82	67	0	4.60	0	50.46	26.16
4153.0	0	2.68	57	0	3.95	0	50.37	26.16
4154.0	0	2.70	52	0	5.26	0	50.33	26.13
4155.0	0	2.72	60	0	5.29	0	50.28	26.11
4156.0	0	2.76	47	0	6.64	0	50.22	26.08
4157.0	0	2.79	73	0	3.71	0	50.16	26.05
4160.0	0	2.84	49	0	6.55	0	50.11	26.05
4161.0	0	2.82	61	0	5.37	0	50.04	26.01
4183.0	0	2.73	100	0	2.26	0	49.93	26.00
4184.0	0	2.76	99	0	2.81	0	49.91	26.00
4204.0	0	2.74	62	0	2.74	0	49.79	25.99
4220.0	0	2.80	100	0	2.41	0	49.72	25.98
4221.0	0	2.80	100	0	2.56	0	49.69	25.98
4222.0	0	2.74	79	0	4.11	0	49.66	25.98
4223.0	0	2.73	55	0	4.49	0	49.62	25.97
4224.0	0	2.76	57	0	3.54	0	49.57	25.95
4225.0	0	2.79	86	0	2.44	0	49.54	25.94
4226.0	0	2.78	64	0	2.74	0	49.52	25.93
4227.0	0	2.80	57	0	2.17	0	49.49	25.92

DEPTH FT	VCL %	RCNA G/C3	SW %	PERM MD	FCR %	SPI %	CUMULATIVE POR/ FT	RC/ FT
4228.0	0	2.78	25	0	4.17	.44	49.46	25.91
4229.0	0	2.77	24	0	3.87	0	49.42	25.87
4230.0	0	2.77	45	0	2.69	0	49.39	25.85
4231.0	0	2.79	100	0	2.45	0	49.36	25.84
4232.0	0	2.79	70	0	3.70	.17	49.33	25.83
4233.0	0	2.82	100	0	2.37	0	49.30	25.82
4240.0	0	2.77	72	0	2.10	0	49.26	25.82
4241.0	0	2.76	47	0	3.39	0	49.23	25.81
4242.0	0	2.77	45	0	3.39	0	49.20	25.79
4254.0	0	2.77	71	0	2.06	0	49.08	25.76
4255.0	0	2.76	64	0	2.81	0	49.06	25.76
4256.0	0	2.78	93	0	2.45	0	49.03	25.75
4257.0	0	2.80	95	0	2.75	0	49.01	25.75
4258.0	0	2.79	51	0	4.89	0	48.97	25.74
4272.0	0	2.75	71	0	2.75	0	48.87	25.72
4273.0	0	2.77	64	0	4.06	0	48.83	25.71
4274.0	0	2.79	67	0	4.89	0	48.79	25.69
4275.0	0	2.81	97	0	4.33	0	48.74	25.67
4278.0	0	2.82	94	0	2.23	0	48.69	25.67
4279.0	0	2.78	40	0	3.66	.83	48.66	25.66
4280.0	0	2.78	25	0	2.84	.11	48.62	25.64
4288.0	0	2.78	20	0	3.76	.42	48.55	25.60
4289.0	0	2.82	27	0	2.82	0	48.51	25.57
4291.0	0	2.75	57	0	2.94	.40	48.47	25.56
4292.0	0	2.76	56	0	4.02	.11	48.44	25.55
4293.0	0	2.75	46	0	5.51	0	48.40	25.53
4294.0	0	2.77	32	1	8.29	0	48.34	25.49
4295.0	0	2.76	30	1	7.49	0	48.25	25.42
4296.0	0	2.84	32	0	3.92	0	48.18	25.38
4297.0	0	2.80	20	0	3.95	0	48.14	25.35
4300.0	0	2.81	40	0	2.09	0	48.08	25.31
4306.0	0	2.76	44	0	2.36	.98	48.04	25.30
4307.0	0	2.76	52	0	3.06	0	48.01	25.29
4308.0	0	2.75	81	0	2.88	0	47.98	25.27
4309.0	0	2.75	87	0	3.43	0	47.95	25.26
4310.0	0	2.73	60	0	5.14	0	47.91	25.26
4311.0	0	2.71	38	1	8.43	0	47.85	25.23
4312.0	0	2.72	36	1	7.89	0	47.76	25.17
4313.0	0	2.74	38	0	6.45	0	47.69	25.13
4314.0	0	2.70	27	3	8.85	.72	47.62	25.08
4315.0	0	2.67	23	9	10.92	2.79	47.53	25.01

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	POR %	SPI %	CUMULATIVE POR/ FT	HC/ FT
4316.0	0	2.70	25	6	10.55	0	47.42	24.93
4317.0	0	2.72	28	3	5.64	0	47.31	24.85
4318.0	0	2.77	37	0	6.62	0	47.22	24.78
4319.0	0	2.79	68	0	2.92	0	47.17	24.75
4320.0	0	2.79	66	0	2.56	0	47.14	24.75
4321.0	0	2.78	60	0	3.04	0	47.11	24.74
4322.0	0	2.79	94	0	3.35	0	47.08	24.73
4323.0	0	2.82	100	0	2.55	0	47.04	24.72
4326.0	0	2.78	83	0	3.94	0	46.99	24.72
4327.0	0	2.75	56	0	5.08	0	46.94	24.71
4328.0	0	2.70	35	0	6.70	0	46.89	24.68
4329.0	0	2.71	31	1	7.59	0	46.82	24.63
4330.0	0	2.78	38	0	6.18	0	46.74	24.58
4331.0	0	2.81	57	0	4.57	0	46.68	24.55
4332.0	0	2.79	87	0	3.08	0	46.64	24.53
4333.0	0	2.78	58	0	3.63	1.01	46.61	24.53
4334.0	0	2.73	42	0	5.41	.96	46.57	24.51
4335.0	0	2.69	26	2	8.24	0	46.51	24.47
4336.0	0	2.74	39	0	4.59	0	46.43	24.41
4339.0	0	2.74	33	0	2.55	.62	46.37	24.38
4341.0	0	2.75	67	0	2.58	.07	46.33	24.37
4342.0	0	2.77	60	0	3.88	0	46.30	24.35
4343.0	0	2.80	66	0	3.81	0	46.26	24.34
4349.0	0	2.81	27	0	2.41	.60	46.19	24.32
4350.0	0	2.77	17	0	3.31	.72	46.16	24.30
4351.0	0	2.77	24	0	2.93	1.30	46.13	24.27
4352.0	0	2.78	30	0	3.14	.66	46.10	24.25
4353.0	0	2.80	40	0	3.22	0	46.07	24.23
4354.0	0	2.79	51	0	4.03	0	46.03	24.21
4355.0	0	2.83	72	0	3.40	0	45.99	24.19
4356.0	0	2.81	100	0	2.24	0	45.96	24.19
4357.0	0	2.81	65	0	2.25	0	45.94	24.18
4361.0	0	2.79	64	0	2.97	.46	45.89	24.17
4362.0	0	2.81	66	0	3.12	0	45.86	24.16
4363.0	0	2.80	44	0	4.71	1.22	45.82	24.14
4384.0	0	2.81	12	3	6.34	3.64	45.69	24.09
4385.0	0	2.82	36	0	2.78	1.42	45.63	24.04
4399.0	0	2.85	31	0	5.80	0	45.59	24.02
4400.0	0	2.84	14	2	6.19	0	45.53	23.98
4401.0	0	2.81	31	0	2.61	0	45.47	23.93
4402.0	0	2.81	35	0	2.00	0	45.45	23.91

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	FOR %	SPI %	CUMULATIVE POR/ FT	HC/ FT
4411.0	0	2.80	15	0	2.80	.95	45.33	23.85
4412.0	0	2.83	15	0	3.16	0	45.30	23.82
4413.0	0	2.84	15	0	3.54	0	45.27	23.79
4414.0	0	2.81	13	0	4.07	1.26	45.23	23.76
4417.0	0	2.82	27	0	2.47	0	45.18	23.73
4418.0	0	2.81	12	0	3.95	.94	45.15	23.70
4419.0	0	2.81	15	0	2.90	.48	45.11	23.67
4423.0	0	2.79	23	0	2.86	1.41	45.07	23.65
4424.0	0	2.78	18	0	4.35	1.81	45.03	23.62
4425.0	0	2.78	13	4	7.13	3.26	44.98	23.58
4426.0	0	2.78	16	1	5.71	1.40	44.91	23.51
4427.0	0	2.79	28	0	4.44	0	44.87	23.48
4428.0	0	2.73	14	23	10.83	5.91	44.80	23.43
4429.0	0	2.78	15	4	7.54	3.23	44.70	23.34
4430.0	0	2.77	13	2	6.00	0	44.63	23.28
4431.0	0	2.76	10	13	8.04	0	44.56	23.22
4432.0	0	2.79	13	0	4.45	0	44.49	23.15
4433.0	0	2.82	16	0	2.96	0	44.45	23.12
4434.0	0	2.80	15	0	4.12	0	44.42	23.09
4435.0	0	2.73	9	25	9.22	4.36	44.37	23.05
4436.0	0	2.73	9	55	10.83	3.68	44.27	22.96
4437.0	0	2.75	10	15	8.62	0	44.17	22.87
4438.0	0	2.76	10	13	8.35	0	44.08	22.79
4439.0	0	2.76	11	10	8.03	0	44.00	22.72
4440.0	0	2.72	11	18	9.00	1.70	43.92	22.65
4441.0	0	2.73	10	57	11.40	4.70	43.82	22.56
4442.0	0	2.74	11	56	11.99	4.27	43.71	22.46
4443.0	0	2.75	16	8	9.92	0	43.59	22.36
4444.0	0	2.74	14	10	8.93	.32	43.51	22.28
4445.0	0	2.75	10	17	6.67	.72	43.42	22.20
4446.0	0	2.75	12	15	9.00	3.15	43.34	22.13
4447.0	0	2.73	14	33	11.86	.69	43.24	22.05
4448.0	0	2.75	17	19	11.22	0	43.12	21.95
4449.0	0	2.74	15	50	13.10	1.56	43.01	21.85
4450.0	0	2.74	14	50	12.89	1.63	42.88	21.74
4451.0	0	2.75	12	35	11.16	4.70	42.75	21.63
4452.0	0	2.76	10	24	9.55	4.40	42.64	21.54
4453.0	0	2.78	11	22	9.51	1.59	42.55	21.45
4454.0	0	2.80	12	6	7.50	.07	42.46	21.37
4455.0	0	2.78	15	2	6.21	0	42.39	21.31
4456.0	0	2.72	13	6	7.83	1.48	42.32	21.26
4457.0	0	2.72	12	13	9.00	.82	42.24	21.18
4458.0	0	2.73	11	23	9.88	1.44	42.15	21.10
4459.0	0	2.72	10	29	9.71	2.25	42.05	21.01
4460.0	0	2.73	10	36	10.09	2.36	41.95	20.92
4461.0	0	2.76	12	5	7.17	0	41.86	20.84
4462.0	0	2.79	14	1	4.85	0	41.79	20.78

DEPTH FT	VCL %	ROMA G/C3	Sw %	PERM MD	POR %	SPE %	CUMU LATIVE	
							POR/ FT	HC/ FT
4463.0	0	2.77	12	1	4.81	0	41.74	20.74
4464.0	0	2.75	12	3	6.29	.90	41.69	20.69
4465.0	0	2.76	13	3	6.74	0	41.62	20.63
4466.0	0	2.78	15	2	6.26	0	41.56	20.58
4467.0	0	2.75	15	12	9.69	2.25	41.49	20.52
4468.0	0	2.72	14	37	12.20	4.31	41.38	20.43
4469.0	0	2.77	18	6	8.97	.16	41.26	20.33
4470.0	0	2.80	19	2	7.41	0	41.18	20.26
4471.0	0	2.78	16	8	9.01	0	41.10	20.20
4472.0	0	2.76	13	28	11.04	1.59	41.01	20.12
4473.0	0	2.74	13	30	11.03	2.21	40.90	20.02
4474.0	0	2.74	12	29	10.66	3.38	40.79	19.92
4475.0	0	2.80	14	6	7.94	0	40.69	19.84
4476.0	0	2.78	12	7	7.57	.49	40.61	19.77
4477.0	0	2.80	13	1	4.68	1.66	40.54	19.71
4478.0	0	2.78	14	1	5.53	3.15	40.50	19.67
4479.0	0	2.78	13	5	7.45	2.58	40.44	19.62
4480.0	0	2.79	12	7	7.56	2.56	40.36	19.56
4481.0	0	2.82	10	3	6.12	.07	40.29	19.49
4482.0	0	2.81	7	15	7.41	.93	40.23	19.44
4483.0	0	2.82	7	24	8.01	1.55	40.15	19.36
4484.0	0	2.83	10	1	4.22	0	40.08	19.30
4494.0	0	2.82	26	0	2.88	0	40.00	19.24
4495.0	0	2.82	27	0	3.27	0	39.97	19.22
4496.0	0	2.84	16	1	5.14	1.91	39.94	19.19
4497.0	0	2.84	14	1	5.10	1.12	39.88	19.14
4498.0	0	2.84	22	0	3.29	.18	39.83	19.10
4499.0	0	2.85	31	0	2.33	.03	39.80	19.08
4500.0	0	2.85	17	0	3.65	.54	39.78	19.06
4501.0	0	2.83	15	0	3.24	.62	39.74	19.03
4504.0	0	2.83	91	0	2.34	0	39.69	19.00
4522.0	0	2.81	29	0	3.05	0	39.63	19.00
4523.0	0	2.84	45	0	3.10	0	39.60	18.98
4524.0	0	2.89	70	0	2.12	0	39.57	18.96
4525.0	0	2.85	38	0	3.79	0	39.55	18.95
4526.0	0	2.81	26	1	6.91	0	39.50	18.93
4527.0	0	2.79	24	3	8.66	1.97	39.43	18.87
4528.0	0	2.82	23	4	9.04	2.92	39.34	18.81
4529.0	0	2.81	31	0	5.74	.80	39.26	18.74
4530.0	0	2.80	22	0	5.46	.66	39.21	18.71
4531.0	0	2.80	19	1	6.33	1.17	39.15	18.66
4532.0	0	2.82	16	4	7.78	1.63	39.08	18.61
4533.0	0	2.80	22	3	6.17	1.52	39.01	18.54
4534.0	0	2.78	17	71	15.08	5.36	38.91	18.46
4535.0	0	2.78	19	19	11.95	4.32	38.75	18.34
4536.0	0	2.82	20	1	5.63	1.25	38.66	18.26

DEPTH FT	VCL %	ROVA G/C3	SW %	PERM MD	PER %	SPI %	CUMU LATIVE POR/ FT	HC/ FT
4537.0	0	2.83	17	2	6.63	.60	39.60	18.21
4538.0	0	2.81	14	12	9.29	3.67	39.52	18.15
4539.0	0	2.81	19	1	6.15	1.49	38.43	18.07
4540.0	0	2.85	25	0	5.17	1.39	38.38	19.02
4541.0	0	2.84	16	10	9.67	4.04	38.31	17.98
4542.0	0	2.86	12	86	13.66	5.46	38.21	17.88
4543.0	0	2.82	15	19	10.57	4.37	38.07	17.77
4544.0	0	2.83	19	3	8.02	2.84	37.98	17.69
4545.0	0	2.85	19	1	5.67	.98	37.90	17.63
4546.0	0	2.83	30	0	3.11	.47	37.85	17.58
4549.0	0	2.84	79	0	3.36	0	37.82	17.57
4550.0	0	2.85	48	0	6.89	0	37.77	17.55
4551.0	0	2.83	96	0	3.71	0	37.71	17.52
4552.0	0	2.82	100	0	3.09	0	37.67	17.52
4553.0	0	2.80	44	1	8.59	0	37.63	17.51
4554.0	0	2.78	34	11	13.78	0	37.53	17.45
4555.0	0	2.78	36	10	13.69	0	37.39	17.36
4556.0	0	2.76	42	4	11.64	0	37.27	17.28
4557.0	0	2.79	48	1	9.78	0	37.15	17.22
4558.0	0	2.83	59	0	7.56	0	37.06	17.17
4559.0	0	2.82	54	0	7.29	0	36.99	17.14
4560.0	2	2.84	54	0	7.45	0	36.91	17.11
4561.0	7	2.86	60	0	6.02	0	36.84	17.07
4562.0	3	2.84	100	0	2.56	0	36.79	17.06
4563.0	0	2.81	95	0	3.34	0	36.77	17.06
4564.0	0	2.85	56	0	6.80	0	36.72	17.05
4565.0	1	2.84	85	0	5.75	0	36.66	17.02
4566.0	1	2.86	54	0	7.69	0	36.59	17.00
4567.0	0	2.81	64	0	5.05	0	36.52	16.98
4568.0	0	2.84	22	74	17.21	5.28	36.43	16.92
4569.0	0	2.78	94	0	4.71	0	36.27	16.79
4570.0	0	2.84	100	0	3.25	0	36.23	16.79
4573.0	1	2.83	100	0	2.22	.04	36.18	16.79
4574.0	1	2.85	100	0	3.84	0	36.15	16.79
4579.0	0	2.83	68	0	4.66	.22	36.08	16.79
4580.0	5	2.84	65	0	6.54	0	36.03	16.78
4581.0	15	2.87	66	0	6.71	.13	35.96	16.75
4582.0	15	2.85	100	0	3.47	.73	35.90	16.74
4583.0	5	2.87	100	0	2.24	0	35.87	16.74
4588.0	0	2.87	16	0	2.26	0	35.84	16.74
4589.0	0	2.81	10	2	5.38	.79	35.81	16.71
4590.0	0	2.82	11	0	3.98	0	35.76	16.67
4591.0	0	2.82	14	0	3.73	0	35.72	16.64
4592.0	0	2.81	23	0	2.62	0	35.68	16.60
4593.0	0	2.84	26	0	2.92	0	35.66	16.59

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	POP %	SPI %	CUMU LATIVE POR/ FT	HC/ FT
4594.0	0	2.80	11	53	11.48	2.53	35.61	16.54
4595.0	0	2.83	11	56	12.08	1.16	35.49	16.44
4596.0	0	2.81	13	13	9.24	.96	35.37	16.34
4597.0	0	2.80	16	2	6.49	.88	35.29	16.26
4598.0	0	2.80	21	0	4.57	1.46	35.23	16.21
4599.0	0	2.81	19	0	4.93	1.83	35.18	16.18
4600.0	0	2.83	16	2	6.90	1.26	35.13	16.13
4601.0	0	2.84	15	6	8.30	1.71	35.05	16.07
4602.0	0	2.82	21	1	7.04	.22	34.97	16.00
4603.0	0	2.81	22	1	6.19	.86	34.90	15.95
4604.0	0	2.80	21	9	10.57	3.06	34.84	15.89
4605.0	0	2.83	20	51	15.28	2.50	34.71	15.80
4606.0	0	2.82	23	26	13.78	1.21	34.56	15.68
4607.0	0	2.83	30	3	9.95	0	34.43	15.58
4608.0	0	2.83	30	7	11.49	.73	34.33	15.51
4609.0	0	2.83	29	4	10.20	3.43	34.22	15.43
4610.0	0	2.81	30	1	6.78	1.43	34.13	15.37
4611.0	0	2.80	31	0	5.80	1.32	34.06	15.32
4612.0	0	2.86	44	0	3.71	0	34.01	15.29
4613.0	0	2.84	45	0	3.88	0	33.98	15.27
4614.0	0	2.82	37	0	4.78	0	33.94	15.25
4615.0	0	2.80	27	15	13.12	5.14	33.88	15.20
4616.0	0	2.81	30	17	14.08	3.53	33.73	15.10
4617.0	0	2.82	33	4	10.95	2.05	33.60	15.01
4618.0	0	2.82	32	3	9.92	1.58	33.49	14.94
4619.0	0	2.83	43	1	9.13	.42	33.40	14.87
4620.0	0	2.83	38	4	11.34	2.99	33.30	14.82
4621.0	0	2.82	33	5	11.49	2.74	33.19	14.75
4622.0	0	2.83	38	0	6.90	0	33.08	14.68
4623.0	0	2.81	67	0	2.47	0	33.03	14.65
4628.0	0	2.82	25	5	10.20	5.19	32.96	14.62
4629.0	0	2.80	28	12	12.69	2.65	32.85	14.53
4630.0	0	2.79	29	22	14.68	1.30	32.72	14.44
4631.0	0	2.79	35	24	16.35	2.44	32.57	14.33
4632.0	0	2.82	33	43	18.19	2.57	32.40	14.23
4633.0	0	2.83	34	43	18.47	3.19	32.22	14.11
4634.0	0	2.83	30	51	16.07	3.98	32.03	13.98
4635.0	0	2.81	30	8	11.96	2.62	31.87	13.86
4636.0	0	2.81	27	5	10.39	2.92	31.75	13.78
4637.0	0	2.83	29	3	9.47	1.27	31.65	13.71
4638.0	0	2.82	30	4	10.27	2.08	31.56	13.64
4639.0	0	2.81	29	10	12.44	3.95	31.45	13.57
4640.0	0	2.80	31	4	10.65	3.02	31.32	13.48
4641.0	0	2.80	25	3	8.65	2.66	31.22	13.41
4642.0	0	2.82	26	4	9.52	2.78	31.13	13.34
4643.0	0	2.84	24	6	10.29	1.96	31.04	13.27
4644.0	0	2.86	23	5	9.55	1.13	30.93	13.19
4645.0	0	2.85	20	11	10.71	3.75	30.84	13.11

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	POB %	SPI %	CUMULATIVE POR/ FT	HC/ FT
4646.0	0	2.80	23	2	7.93	3.38	30.73	13.03
4647.0	0	2.82	47	0	2.77	.88	30.67	12.98
4648.0	0	2.84	52	0	2.23	0	30.64	12.97
4649.0	0	2.83	42	0	2.97	0	30.62	12.96
4650.0	0	2.79	30	1	7.27	1.97	30.58	12.93
4651.0	0	2.80	18	33	13.00	5.05	30.49	12.87
4652.0	0	2.80	16	30	12.14	4.87	30.36	12.76
4653.0	0	2.82	14	26	11.00	3.18	30.25	12.66
4654.0	0	2.82	15	23	11.03	3.86	30.14	12.57
4655.0	0	2.82	15	17	10.46	3.36	30.03	12.48
4656.0	0	2.83	17	9	9.76	3.37	29.93	12.39
4657.0	0	2.80	23	1	6.61	2.39	29.83	12.31
4658.0	0	2.80	35	0	5.08	1.80	29.78	12.27
4659.0	0	2.80	29	1	6.76	2.96	29.72	12.23
4660.0	0	2.82	34	0	6.70	1.04	29.65	12.19
4661.0	0	2.84	43	0	4.63	0	29.59	12.14
4665.0	0	2.79	56	0	4.36	1.87	29.51	12.12
4666.0	0	2.82	44	0	6.94	1.84	29.46	12.09
4667.0	0	2.82	36	1	8.03	2.11	29.39	12.05
4668.0	0	2.83	61	0	3.55	0	29.32	12.00
4669.0	0	2.81	100	0	2.19	.08	29.29	12.00
4670.0	0	2.80	55	0	5.25	2.26	29.26	11.99
4671.0	0	2.80	55	1	8.65	3.18	29.19	11.97
4672.0	0	2.81	52	2	10.83	4.23	29.10	11.92
4673.0	0	2.83	54	1	10.42	3.39	28.99	11.87
4674.0	0	2.82	52	1	10.42	3.81	28.89	11.83
4675.0	0	2.81	53	1	9.59	3.28	28.79	11.78
4676.0	0	2.83	47	2	10.63	2.90	28.69	11.73
4677.0	0	2.81	45	1	9.39	2.99	28.59	11.68
4678.0	0	2.82	42	0	5.85	1.14	28.50	11.63
4680.0	0	2.80	40	0	4.72	2.94	28.44	11.60
4681.0	0	2.82	27	5	10.56	5.69	28.37	11.56
4682.0	0	2.85	36	2	9.15	.77	28.27	11.49
4683.0	0	2.82	44	1	8.24	.43	28.18	11.43
4684.0	0	2.83	42	1	9.17	2.23	28.09	11.38
4685.0	0	2.82	41	3	11.05	3.60	28.00	11.32
4686.0	0	2.85	40	6	12.64	3.35	27.88	11.25
4687.0	0	2.84	39	10	14.09	2.64	27.75	11.18
4688.0	0	2.83	46	7	14.22	3.07	27.61	11.10
4689.0	0	2.85	50	9	15.53	3.60	27.47	11.02
4690.0	0	2.84	57	7	15.54	2.63	27.31	10.94
4691.0	0	2.84	55	11	16.87	3.14	27.15	10.88
4692.0	0	2.84	58	13	17.82	4.16	26.98	10.80
4693.0	0	2.83	59	10	17.17	3.17	26.80	10.72
4694.0	0	2.82	56	14	17.82	1.80	26.64	10.65
4695.0	0	2.84	55	16	18.36	1.18	26.45	10.57
4696.0	0	2.82	58	9	16.30	0	26.27	10.49

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	POR %	SPI %	CUMULATIVE	
							POR/ FT	HC/ FT
4697.0	0	2.83	54	19	18.97	3.60	26.10	10.42
4698.0	0	2.84	56	19	19.28	4.01	25.91	10.33
4699.0	0	2.80	53	16	17.96	4.07	25.72	10.24
4700.0	0	2.83	50	16	17.57	3.04	25.54	10.16
4701.0	0	2.84	49	32	20.32	2.21	25.36	10.06
4702.0	0	2.83	53	23	19.54	.73	25.15	9.96
4703.0	0	2.80	51	30	20.39	3.30	24.96	9.87
4704.0	0	2.82	49	26	19.48	5.19	24.75	9.77
4705.0	0	2.84	50	6	19.05	2.72	24.57	9.68
4706.0	0	2.86	44	8	18.23	.26	24.44	9.61
4707.0	0	2.87	47	13	16.43	1.52	24.29	9.52
4708.0	0	2.85	49	10	16.75	3.83	24.12	9.44
4709.0	0	2.83	55	4	13.19	1.92	23.97	9.36
4710.0	0	2.84	47	15	16.87	2.73	23.83	9.29
4711.0	0	2.83	49	17	17.59	3.58	23.65	9.20
4712.0	0	2.85	48	9	16.29	3.64	23.48	9.11
4713.0	0	2.84	43	4	12.04	2.85	23.34	9.04
4714.0	0	2.82	55	0	7.40	2.17	23.23	8.93
4717.0	0	2.76	55	0	3.73	.92	23.16	8.96
4718.0	0	2.79	50	0	6.93	1.50	23.11	8.94
4719.0	0	2.82	67	0	6.53	0	23.05	8.91
4720.0	0	2.81	67	0	5.45	.09	22.98	8.89
4721.0	0	2.80	77	0	3.16	.48	22.94	8.87
4722.0	0	2.81	43	0	4.59	.28	22.90	8.86
4723.0	0	2.84	43	0	5.52	0	22.85	8.83
4724.0	0	2.80	31	1	8.37	.88	22.79	8.80
4725.0	0	2.81	30	2	9.15	2.40	22.70	8.74
4726.0	0	2.79	53	0	6.88	.34	22.62	8.68
4727.0	0	2.79	51	3	11.93	3.36	22.55	8.65
4728.0	0	2.81	55	5	14.39	3.21	22.42	8.59
4729.0	0	2.82	61	4	14.27	1.57	22.28	8.53
4730.0	0	2.81	53	9	15.83	3.41	22.13	8.46
4731.0	0	2.81	57	6	15.03	2.54	21.97	8.39
4732.0	0	2.80	59	4	14.10	2.26	21.82	8.33
4733.0	0	2.83	63	3	13.19	.89	21.69	8.28
4734.0	0	2.87	61	5	14.47	1.36	21.55	8.23
4735.0	0	2.86	53	13	17.41	4.06	21.39	8.16
4736.0	0	2.86	57	9	16.27	2.56	21.21	8.07
4737.0	0	2.86	57	7	15.31	2.68	21.05	8.00
4738.0	0	2.83	55	5	14.17	2.76	20.91	7.94
4739.0	0	2.84	55	3	13.06	1.42	20.77	7.88
4740.0	0	2.84	53	2	11.42	1.16	20.64	7.82
4741.0	0	2.83	61	1	9.46	.20	20.54	7.78
4742.0	0	2.85	53	1	10.02	.45	20.44	7.74
4743.0	0	2.85	58	1	8.99	0	20.34	7.69
4744.0	0	2.85	51	2	11.39	1.20	20.25	7.65
4745.0	0	2.84	45	4	12.65	2.68	20.13	7.59
4746.0	0	2.83	46	3	11.50	2.80	20.00	7.52

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	ROR %	SPI %	CUMULATIVE POR/ FT	HC/ FT
4747.0	0	2.84	50	2	10.62	1.12	19.89	7.46
4748.0	0	2.84	53	2	11.59	1.89	19.78	7.41
4749.0	0	2.80	54	3	12.37	2.37	19.67	7.35
4750.0	0	2.82	46	9	14.68	4.70	19.54	7.29
4751.0	0	2.83	47	5	12.88	2.46	19.39	7.21
4752.0	0	2.83	64	1	10.79	0	19.27	7.15
4753.0	0	2.80	51	6	14.44	3.20	19.15	7.11
4754.0	0	2.81	51	7	14.62	2.57	19.00	7.03
4755.0	0	2.82	46	10	15.19	2.85	18.86	6.96
4756.0	0	2.81	49	6	13.79	2.58	18.71	6.88
4757.0	0	2.79	44	7	13.99	4.09	18.57	6.81
4758.0	0	2.81	41	15	15.75	5.53	18.43	6.73
4759.0	0	2.84	54	3	12.10	3.19	18.28	6.64
4760.0	0	2.83	64	0	8.17	.83	18.17	6.59
4761.0	0	2.85	76	0	4.61	0	18.10	6.57
4762.0	0	2.85	94	0	3.92	0	18.06	6.56
4763.0	0	2.83	71	0	6.81	0	18.01	6.55
4764.0	0	2.84	70	0	7.84	.07	17.94	6.53
4765.0	0	2.83	49	1	10.20	2.84	17.85	6.50
4766.0	0	2.83	43	8	14.26	4.78	17.74	6.44
4767.0	0	2.84	44	11	15.26	5.05	17.59	6.35
4768.0	0	2.83	46	5	13.10	4.53	17.45	6.27
4769.0	0	2.83	44	3	11.27	2.36	17.32	6.20
4770.0	0	2.84	36	6	12.39	3.84	17.20	6.14
4771.0	0	2.84	35	9	13.18	4.93	17.07	6.05
4772.0	0	2.81	49	1	8.62	1.89	16.95	5.97
4773.0	0	2.83	56	0	4.99	.02	16.87	5.93
4774.0	0	2.84	56	0	4.37	.09	16.83	5.91
4775.0	0	2.84	64	0	4.35	0	16.78	5.90
4776.0	0	2.84	51	0	6.74	.71	16.73	5.88
4777.0	0	2.82	51	0	6.82	.69	16.67	5.84
4778.0	0	2.82	41	2	10.43	2.43	16.59	5.80
4779.0	0	2.83	47	1	9.33	1.76	16.48	5.74
4780.0	0	2.83	47	0	6.95	1.00	16.40	5.70
4781.0	0	2.82	42	0	4.95	1.16	16.33	5.66
4784.0	0	2.84	68	0	4.06	0	16.26	5.63
4785.0	0	2.85	97	0	3.60	0	16.22	5.62
4786.0	0	2.84	58	0	5.76	.71	16.18	5.62
4787.0	0	2.85	43	3	11.06	2.69	16.11	5.59
4788.0	0	2.83	52	3	12.02	2.87	15.99	5.52
4789.0	0	2.82	55	2	11.71	2.64	15.87	5.47
4790.0	0	2.84	44	7	13.68	4.81	15.75	5.41
4791.0	0	2.85	46	3	11.59	3.39	15.62	5.33
4792.0	0	2.81	75	0	5.28	.14	15.52	5.29
4793.0	0	2.82	100	0	2.73	0	15.48	5.28
4794.0	0	2.86	64	0	6.66	0	15.45	5.28
4795.0	0	2.86	60	0	6.29	1.00	15.38	5.25
4796.0	0	2.83	83	0	3.67	.57	15.32	5.23

DEPTH FT	VCL %	RDMA G/C3	SW %	PERM MD	POR %	SPI %	CUMULATIVE POR/ FT	HC/ FT
4797.0	0	2.84	100	0	2.38	0	15.28	5.22
4798.0	0	2.82	75	0	3.83	0	15.25	5.22
4799.0	0	2.81	56	0	5.57	1.15	15.21	5.21
4800.0	0	2.81	50	0	5.94	1.99	15.15	5.18
4801.0	0	2.81	57	0	5.24	1.47	15.09	5.15
4802.0	0	2.81	58	0	5.24	1.92	15.04	5.13
4803.0	0	2.81	60	0	4.24	1.06	14.99	5.11
4804.0	0	2.79	100	0	4.35	.78	14.95	5.10
4805.0	0	2.81	50	6	14.37	5.23	14.88	5.09
4806.0	0	2.84	32	44	18.03	6.63	14.72	4.99
4807.0	0	2.82	43	4	12.41	4.58	14.55	4.89
4808.0	0	2.80	43	12	15.48	7.16	14.43	4.82
4809.0	0	2.82	38	20	16.35	6.50	14.27	4.72
4810.0	0	2.81	45	4	12.32	2.34	13.12	4.63
4811.0	0	2.82	44	3	11.43	.50	14.00	4.57
4812.0	0	2.85	50	1	8.75	0	13.89	4.51
4813.0	0	2.84	47	1	8.37	.05	13.81	4.47
4814.0	0	2.80	52	0	7.65	1.97	13.72	4.42
4815.0	0	2.80	56	0	7.87	2.70	13.65	4.39
4816.0	0	2.83	63	0	8.24	1.59	13.57	4.35
4817.0	0	2.81	65	1	8.43	2.55	13.48	4.32
4818.0	0	2.81	69	0	9.87	1.74	13.39	4.29
4819.0	0	2.80	48	5	13.48	3.43	13.28	4.26
4820.0	0	2.80	41	12	15.09	4.70	13.14	4.18
4821.0	0	2.77	54	3	12.55	2.89	12.99	4.09
4822.0	0	2.80	60	1	11.23	.63	12.87	4.04
4823.0	0	2.83	40	10	14.20	3.26	12.75	3.98
4824.0	0	2.84	34	12	13.86	3.87	12.61	3.89
4825.0	0	2.83	31	12	13.25	3.84	12.47	3.80
4826.0	0	2.82	28	8	11.54	3.16	12.34	3.72
4827.0	0	2.81	29	2	8.42	1.77	12.24	3.64
4828.0	0	2.80	44	0	4.43	0	12.16	3.58
4829.0	0	2.82	100	0	2.85	.87	12.12	3.57
4830.0	0	2.81	62	0	6.86	2.76	12.09	3.57
4831.0	0	2.83	30	2	8.39	2.24	12.01	3.53
4832.0	0	2.79	100	0	3.78	1.16	11.94	3.48
4834.0	0	2.83	100	0	4.11	0	11.90	3.48
4835.0	0	2.84	48	0	5.09	0	11.85	3.47
4836.0	0	2.83	67	0	3.24	.33	11.80	3.45
4837.0	0	2.82	99	0	2.15	0	11.77	3.44
4840.0	0	2.83	76	0	2.03	0	11.72	3.44
4843.0	0	2.78	63	0	2.46	.67	11.67	3.43
4844.0	0	2.81	53	0	2.04	0	11.64	3.42
4846.0	0	2.81	100	0	2.17	.18	11.62	3.42
4847.0	2	2.87	100	0	3.76	-0	11.59	3.42

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	FOR %	SPI %	CUMULATIVE POR/ FT	HC/ FT
4848.0	0	2.84	66	0	5.07	0	11.55	3.41
4849.0	0	2.79	80	0	3.62	.91	11.50	3.40
4852.0	0	2.84	62	0	2.91	.81	11.46	3.39
4853.0	0	2.81	64	0	3.39	.69	11.43	3.38
4854.0	0	2.79	75	0	2.43	.51	11.40	3.37
4855.0	0	2.78	46	0	3.01	.50	11.37	3.36
4857.0	0	2.78	80	0	3.92	2.13	11.33	3.35
4862.0	0	2.84	100	0	2.52	0	11.29	3.35
4863.0	0	2.80	100	0	2.09	0	11.26	3.35
4865.0	0	2.81	40	0	3.85	1.75	11.22	3.34
4866.0	0	2.78	71	0	2.86	.30	11.18	3.32
4869.0	0	2.82	100	0	2.76	.48	11.13	3.32
4870.0	0	2.82	67	0	4.23	.73	11.09	3.31
4871.0	0	2.80	100	0	2.33	0	11.05	3.30
4873.0	12	2.88	68	0	4.92	1.73	11.00	3.29
4875.0	0	2.83	66	0	3.10	.41	10.94	3.28
4876.0	0	2.82	37	1	7.57	5.10	10.89	3.26
4877.0	0	2.84	59	0	4.96	2.60	10.82	3.21
4878.0	0	2.82	47	0	6.27	2.63	10.77	3.19
4879.0	0	2.83	43	0	7.35	4.39	10.70	3.15
4880.0	0	2.82	100	0	2.29	1.61	10.63	3.11
4886.0	0	2.83	97	0	2.23	.44	10.58	3.11
4887.0	0	2.79	87	0	2.97	0	10.56	3.11
4888.0	0	2.80	99	0	3.23	0	10.52	3.11
4889.0	0	2.83	100	0	2.04	.65	10.50	3.11
4890.0	0	2.80	92	0	2.29	1.34	10.48	3.11
4891.0	0	2.82	64	0	2.06	.87	10.46	3.11
4894.0	0	2.81	100	0	2.17	.22	10.41	3.10
4895.0	0	2.81	100	0	3.03	1.06	10.39	3.10
4896.0	0	2.80	100	0	2.50	.69	10.36	3.10
4897.0	0	2.81	100	0	2.36	0	10.33	3.10
4898.0	0	2.81	100	0	2.19	0	10.31	3.10
4899.0	0	2.78	94	0	3.51	0	10.28	3.10
4901.0	0	2.80	71	0	2.03	1.30	10.24	3.10
4906.0	0	2.81	51	0	2.53	1.03	10.17	3.09
4915.0	0	2.79	74	0	2.20	.95	10.06	3.07

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	PER %	SPI %	COMD LATIVE POR/ FT	HC/ FT
4918.0	0	2.80	77	0	2.18	.66	10.01	3.06
4919.0	0	2.81	55	0	2.70	.94	9.99	3.06
4920.0	0	2.79	55	0	2.53	1.31	9.96	3.05
4921.0	0	2.81	56	0	2.39	1.20	9.94	3.04
4922.0	0	2.80	47	0	2.56	1.14	9.91	3.02
4923.0	0	2.81	56	0	2.79	1.28	9.88	3.01
4924.0	0	2.84	76	0	3.86	1.34	9.86	3.00
4925.0	0	2.83	60	0	5.94	3.08	9.81	2.98
4926.0	0	2.84	61	0	6.24	3.87	9.75	2.96
4927.0	0	2.82	70	0	4.79	2.90	9.69	2.94
4928.0	0	2.81	59	0	5.01	2.76	9.65	2.93
4929.0	0	2.81	56	0	5.33	3.17	9.59	2.90
4930.0	0	2.81	66	0	4.23	2.54	9.54	2.88
4931.0	0	2.81	65	0	3.63	2.40	9.50	2.87
4932.0	0	2.82	76	0	2.91	1.52	9.47	2.86
4933.0	0	2.82	85	0	3.66	1.56	9.44	2.85
4934.0	0	2.80	65	0	5.57	3.58	9.40	2.85
4935.0	0	2.81	90	0	4.86	3.40	9.34	2.82
4936.0	0	2.84	100	0	3.24	.51	9.30	2.82
4937.0	0	2.82	70	0	5.20	2.47	9.26	2.82
4938.0	0	2.81	72	0	5.79	3.32	9.21	2.80
4939.0	0	2.82	100	0	4.49	1.46	9.15	2.79
4940.0	0	2.83	57	0	7.86	3.21	9.10	2.78
4941.0	0	2.85	58	1	9.16	4.26	9.01	2.75
4942.0	0	2.83	55	1	9.94	5.54	8.92	2.71
4943.0	0	2.80	98	0	6.14	4.30	8.83	2.67
4944.0	0	2.80	100	0	5.03	3.09	8.78	2.67
4945.0	0	2.81	69	0	5.04	3.52	8.73	2.67
4946.0	0	2.84	98	0	4.65	1.85	8.67	2.66
4947.0	2	2.86	74	0	5.05	2.39	8.62	2.66
4948.0	0	2.84	60	0	6.00	2.65	8.57	2.64
4949.0	0	2.84	85	0	5.74	2.41	8.51	2.62
4950.0	0	2.83	72	0	6.74	2.20	8.45	2.61
4951.0	0	2.81	91	0	5.89	1.81	8.39	2.59
4952.0	0	2.80	72	0	6.04	2.76	8.33	2.58
4953.0	0	2.83	99	0	4.48	1.23	8.27	2.57
4954.0	0	2.85	100	0	3.80	.94	8.22	2.57
4955.0	0	2.81	95	0	4.34	2.30	8.18	2.56
4956.0	0	2.79	88	0	4.52	2.69	8.14	2.56
4957.0	0	2.84	77	0	5.11	2.57	8.09	2.55
4958.0	0	2.85	83	0	4.82	1.87	8.04	2.54
4959.0	0	2.79	75	0	5.08	3.55	7.99	2.53
4960.0	0	2.84	96	0	5.13	2.34	7.93	2.51
4961.0	0	2.85	85	0	5.76	2.49	7.88	2.51
4962.0	0	2.85	94	0	5.17	1.70	7.83	2.50
4963.0	0	2.85	100	0	3.43	.54	7.78	2.50
4964.0	0	2.82	100	0	2.37	.77	7.75	2.50
4965.0	0	2.78	100	0	2.49	.99	7.72	2.50
4966.0	0	2.79	70	0	4.73	2.96	7.70	2.50

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	POF %	SPI %	CUMU LATIVE	
							POR/ FT	HC/ FT
4967.0	0	2.77	100	0	2.69	1.88	7.66	2.49
4968.0	0	2.81	73	0	5.81	3.33	7.61	2.48
4969.0	0	2.81	99	0	6.47	3.13	7.55	2.47
4970.0	0	2.82	97	0	7.13	3.05	7.48	2.47
4971.0	0	2.79	100	0	4.76	2.15	7.42	2.47
4972.0	1	2.83	100	0	5.94	0	7.37	2.47
4973.0	0	2.86	58	1	10.09	3.18	7.31	2.46
4974.0	0	2.83	53	2	11.26	5.52	7.20	2.41
4975.0	0	2.83	62	1	9.06	3.96	7.10	2.37
4976.0	0	2.82	73	0	8.02	3.67	7.01	2.34
4977.0	0	2.80	72	0	6.96	3.58	6.93	2.31
4978.0	2	2.84	100	0	4.20	.84	6.87	2.30
4979.0	0	2.87	75	0	8.15	2.09	6.81	2.30
4980.0	0	2.87	81	0	7.88	3.21	6.73	2.28
4981.0	0	2.86	66	0	7.50	2.97	6.65	2.27
4982.0	1	2.85	66	0	7.65	3.72	6.58	2.24
4983.0	1	2.86	68	0	7.67	3.30	6.50	2.21
4984.0	0	2.82	76	0	6.99	3.18	6.43	2.19
4985.0	0	2.81	82	0	6.16	3.62	6.36	2.18
4986.0	1	2.82	99	0	4.75	2.23	6.30	2.17
4987.0	2	2.86	100	0	2.80	0	6.26	2.17
4988.0	1	2.85	100	0	2.42	.17	6.23	2.17
4990.0	0	2.80	100	0	2.66	1.26	6.20	2.17
4991.0	0	2.83	66	0	6.84	4.53	6.16	2.17
4992.0	0	2.84	74	0	5.03	2.35	6.10	2.16
4993.0	0	2.82	100	0	4.10	1.76	6.06	2.15
4994.0	0	2.81	100	0	3.71	1.83	6.02	2.15
4996.0	0	2.83	85	0	2.42	1.31	5.98	2.15
4997.0	0	2.83	67	0	5.06	2.57	5.94	2.14
4998.0	0	2.85	100	0	2.21	.01	5.90	2.13
5001.0	0	2.82	55	0	4.01	.38	5.84	2.13
5002.0	0	2.83	34	0	6.81	2.66	5.79	2.10
5003.0	0	2.83	38	1	7.50	2.96	5.72	2.06
5004.0	0	2.83	39	1	8.08	3.81	5.65	2.01
5005.0	0	2.84	42	1	7.85	3.31	5.57	1.97
5006.0	0	2.85	78	0	4.14	1.26	5.50	1.93
5007.0	1	2.83	87	0	3.34	0	5.46	1.92
5008.0	0	2.81	42	0	6.44	2.78	5.42	1.91
5009.0	0	2.81	77	0	3.81	.95	5.36	1.88
5010.0	0	2.81	84	0	3.45	1.37	5.32	1.87
5011.0	0	2.82	85	0	3.70	1.21	5.29	1.86
5012.0	0	2.83	85	0	4.40	1.33	5.25	1.86
5013.0	0	2.87	100	0	4.18	.68	5.21	1.85
5014.0	0	2.85	54	0	7.95	4.50	5.16	1.85
5015.0	1	2.83	47	1	9.70	6.07	5.07	1.80
5016.0	3	2.86	77	0	5.73	3.16	4.98	1.76

DEPTH FT	VCL %	ROMA G/C3	SW %	PERM MD	ROP %	SPI %	CUMULATIVE POR/ FT	HC/ FT
5017.0	0	2.85	58	0	6.44	2.65	4.93	1.75
5018.0	0	2.81	66	0	7.15	3.90	4.96	1.72
5019.0	0	2.81	94	0	5.35	2.94	4.79	1.70
5020.0	0	2.84	100	0	4.19	1.27	4.74	1.70
5021.0	0	2.83	45	1	8.35	3.79	4.69	1.69
5022.0	0	2.82	42	1	7.54	3.06	4.60	1.64
5023.0	0	2.80	39	0	6.35	3.69	4.53	1.60
5024.0	0	2.81	48	0	5.36	2.12	4.47	1.56
5025.0	0	2.82	60	0	5.41	2.02	4.42	1.53
5026.0	0	2.81	69	0	4.58	2.48	4.37	1.51
5027.0	0	2.82	56	0	4.24	2.22	4.32	1.50
5028.0	0	2.82	47	0	5.90	3.33	4.28	1.48
5029.0	0	2.84	45	1	8.12	4.15	4.22	1.45
5030.0	0	2.85	40	2	10.08	5.16	4.13	1.40
5031.0	0	2.85	47	1	8.62	3.24	4.04	1.35
5032.0	0	2.84	53	1	8.73	3.56	3.95	1.31
5033.0	0	2.84	41	6	13.12	6.34	3.86	1.26
5034.0	0	2.88	46	4	12.57	6.87	3.72	1.18
5035.0	0	2.90	51	1	10.24	4.95	3.60	1.12
5036.0	4	2.82	97	0	4.78	2.61	3.51	1.07
5037.0	0	2.79	100	0	2.68	1.88	3.48	1.07
5038.0	0	2.80	90	0	5.53	2.43	3.45	1.07
5039.0	0	2.84	75	0	7.58	2.98	3.39	1.06
5040.0	0	2.83	99	0	5.65	2.07	3.31	1.05
5041.0	0	2.83	100	0	4.07	1.70	3.26	1.05
5042.0	0	2.84	76	0	6.52	2.85	3.21	1.04
5043.0	0	2.87	100	0	6.26	1.29	3.15	1.02
5044.0	0	2.87	51	2	11.01	4.79	3.07	1.01
5045.0	0	2.83	59	1	10.21	4.14	2.96	.95
5046.0	0	2.81	66	0	9.14	4.83	2.86	.92
5047.0	0	2.81	68	0	8.42	5.30	2.77	.89
5048.0	0	2.81	76	0	7.67	4.35	2.69	.86
5049.0	0	2.85	81	0	7.67	3.93	2.61	.84
5050.0	0	2.86	70	0	6.75	4.11	2.53	.82
5051.0	0	2.85	68	0	8.77	3.48	2.44	.79
5052.0	0	2.84	83	0	7.56	2.15	2.36	.77
5053.0	0	2.83	100	0	5.98	2.09	2.28	.76
5054.0	0	2.83	100	0	5.05	1.58	2.23	.76
5055.0	1	2.85	70	0	5.90	1.95	2.17	.75
5056.0	0	2.89	67	0	6.71	2.24	2.11	.73
5057.0	0	2.86	72	0	6.39	2.35	2.04	.71
5058.0	0	2.82	100	0	4.15	1.70	1.98	.70
5062.0	0	2.85	33	0	6.30	3.21	1.89	.69
5063.0	0	2.87	32	11	13.14	6.82	1.81	.63
5064.0	0	2.84	63	1	11.33	6.04	1.68	.54
5065.0	0	2.82	100	0	7.68	2.91	1.58	.52
5066.0	0	2.82	68	2	12.36	6.86	1.50	.52
5067.0	0	2.84	58	4	13.91	7.52	1.37	.47

DEPTH FT	VCI %	ROMA G/C3	SW %	PERM MD	POC %	SPI %	CUMU LATIVE POR/ FT	HC/ FT
5068.0	0	2.85	65	2	12.38	7.68	1.23	.42
5069.0	0	2.84	67	2	12.57	6.46	1.11	.37
5070.0	1	2.86	62	2	12.52	5.81	.98	.33
5071.0	4	2.87	63	1	11.42	6.09	.86	.28
5072.0	5	2.86	95	0	8.53	3.48	.75	.25
5073.0	1	2.82	53	4	13.22	7.05	.65	.22
5074.0	0	2.83	52	6	14.12	6.14	.51	.15
5075.0	1	2.86	65	1	9.39	2.48	.37	.09
5076.0	0	2.83	85	0	6.93	2.07	.29	.06
5077.0	0	2.83	73	0	7.68	2.78	.22	.05
5078.0	0	2.83	82	0	7.05	1.74	.14	.03
5079.0	0	2.85	100	0	4.36	0	.08	.02
5080.0	0	2.85	52	0	5.71	2.22	.03	.01
CNMT=PRMCUS.001				41	8112290743			1

ANALYST: M.K. DENNIS

29-DEC-81 07:43:17

```
*****
*                                     *
*                                     *
*                                     *
*****
*                                     *
*   SCHLUMBERGER                     *
*                                     *
*****
```

PERMEABILITY LISTING

COMPANY : PHILLIPS PETRO. CO.
WELL : EVGSAU 3202-010
FIELD : EAST VACUUM
COUNTRY : LFA
REFERENCE : NEW-MEXICO

ANALYST: M.K. DENNIS

29-DEC-81 07:43:18

```
*****
*                                     *
*                                     *
*                                     *
*                                     *
*****
*      SCHLUMBERGER      *
*                                     *
*                                     *
*****
```

PERMEABILITY LISTING

COMPANY : PHILLIPS PETRO. CO.
WELL : EVGSAU 3202-010
FIELD : EAST VACQUE
COUNTRY : LEA
REFERENCE : NEW-MEXICO

* DEPTH	* PERM OIL MD	* PERM GAS MD	* PERM WATER MD	* PERM TOTAL MD	* C U M U A T V E	* PERM OIL FT	* PERM GAS FT	* PERM WATER FT	* PERM TOTAL FT	*

* 4154.0	* .1	*	*	* .1	* 8165			361	16255	*
* 4156.0	* .2	*	*	* .2	* 8164			361	16255	*
* 4160.0	* .2	*	*	* .2	* 8164			361	16254	*
* 4228.0	* .3	*	*	* .3	* 8164			361	16251	*
* 4229.0	* .2	*	*	* .2	* 8164			361	16250	*
* 4258.0	* .1	*	*	* .1	* 8163			361	16249	*
* 4280.0	* .1	*	*	* .1	* 8163			361	16248	*
* 4289.0	* .3	*	*	* .3	* 8163			361	16247	*
* 4293.0	* .1	*	*	* .1	* 8163			361	16247	*
* 4294.0	* 2.1	*	*	* 2.1	* 8162			361	16246	*
* 4295.0	* 1.7	*	*	* 1.7	* 8159			361	16243	*
* 4296.0	* .1	*	*	* .1	* 8158			361	16241	*
* 4297.0	* .4	*	*	* .4	* 8157			361	16241	*
* 4311.0	* 1.3	*	*	* 1.3	* 8157			361	16240	*
* 4312.0	* 1.2	*	*	* 1.2	* 8155			361	16238	*
* 4313.0	* .5	*	*	* .5	* 8154			361	16237	*
* 4314.0	* 4.6	*	*	* 4.6	* 8154			361	16237	*
* 4315.0	* 16.3	*	*	* 16.3	* 8145			361	16228	*
* 4316.0	* 11.0	*	*	* 11.0	* 8128			361	16211	*
* 4317.0	* 5.8	*	*	* 5.8	* 8117			361	16201	*
* 4318.0	* .6	*	*	* .6	* 8113			361	16196	*
* 4328.0	* .7	*	*	* .7	* 8113			361	16195	*
* 4329.0	* 1.7	*	*	* 1.7	* 8111			361	16194	*
* 4330.0	* .4	*	*	* .4	* 8110			361	16193	*
* 4334.0	* .2	*	*	* .2	* 8110			361	16192	*
* 4335.0	* 3.6	*	*	* 3.6	* 8109			361	16192	*
* 4336.0	* .1	*	*	* .1	* 8106			361	16189	*
* 4350.0	* .3	*	*	* .3	* 8106			361	16188	*
* 4351.0	* .1	*	*	* .1	* 8106			361	16188	*
* 4352.0	* .1	*	*	* .1	* 8106			361	16188	*
* 4363.0	* .1	*	*	* .1	* 8106			361	16187	*

```
*****
*          *          *          *          *          *          *          *          *          *          *
* DEPTH    * PERM    * PERM    * PERM    * PERM    * C U M U    A T    V E    *
*          * OIL     * GAS     * WATER  * TOTAL   * OIL     * GAS     * WATER  * TOTAL   *
*          * MD      * MD      * MD      * MD      * FT      * FT      * FT      * FT      *
*****
*          *          *          *          *          *          *          *          *          *
*          *          *          *          *          *          *          *          *          *
* 4399.0 *      .6 *          *          *      .6 *      8099          361      16178 *
* 4400.0 *      5.4 *          *          *      5.4 *      8097          361      16177 *
*          *          *          *          *          *          *          *          *          *
* 4411.0 *      .2 *          *          *      .2 *      8093          361      16172 *
* 4412.0 *      .3 *          *          *      .3 *      8092          361      16171 *
* 4413.0 *      .5 *          *          *      .5 *      8092          361      16171 *
* 4414.0 *      1.2 *          *          *      1.2 *      8091          361      16170 *
*          *          *          *          *          *          *          *          *          *
* 4418.0 *      1.4 *          *          *      1.4 *      8090          361      16169 *
* 4419.0 *      .2 *          *          *      .2 *      8089          361      16168 *
*          *          *          *          *          *          *          *          *          *
* 4423.0 *      .1 *          *          *      .1 *      8089          361      16168 *
* 4424.0 *      .7 *          *          *      .7 *      8089          361      16167 *
* 4425.0 *     10.7 *          *          *     10.7 *      8087          361      16166 *
* 4426.0 *      2.8 *          *          *      2.8 *      8075          361      16154 *
* 4427.0 *      .2 *          *          *      .2 *      8074          361      16153 *
* 4428.0 *     51.9 *          *          *     51.9 *      8070          361      16148 *
* 4429.0 *      9.8 *          *          *      9.8 *      8010          361      16089 *
* 4430.0 *      6.3 *          *          *      6.3 *      8004          361      16082 *
* 4431.0 *     36.4 *          *          *     36.4 *      7988          361      16066 *
* 4432.0 *      1.7 *          *          *      1.7 *      7963          361      16041 *
* 4433.0 *      .2 *          *          *      .2 *      7962          361      16040 *
* 4434.0 *      .9 *          *          *      .9 *      7961          361      16040 *
* 4435.0 *     67.5 *          *          *     67.5 *      7958          361      16037 *
* 4436.0 *    139.5 *          *          *    139.5 *      7849          361      15928 *
* 4437.0 *     42.1 *          *          *     42.1 *      7751          361      15830 *
* 4438.0 *     37.4 *          *          *     37.4 *      7712          361      15791 *
* 4439.0 *     29.2 *          *          *     29.2 *      7682          361      15760 *
* 4440.0 *     46.7 *          *          *     46.7 *      7653          361      15732 *
* 4441.0 *    137.8 *          *          *    137.8 *      7589          361      15668 *
* 4442.0 *    126.4 *          *          *    126.4 *      7431          361      15510 *
* 4443.0 *     17.8 *          *          *     17.8 *      7336          361      15415 *
* 4444.0 *     26.0 *          *          *     26.0 *      7321          361      15400 *
* 4445.0 *     46.4 *          *          *     46.4 *      7287          361      15365 *
* 4446.0 *     38.6 *          *          *     38.6 *      7253          361      15332 *
* 4447.0 *     69.2 *          *          *     69.2 *      7209          361      15288 *
* 4448.0 *     38.5 *          *          *     38.5 *      7154          361      15233 *
* 4449.0 *    101.8 *          *          *    101.8 *      7109          361      15188 *
* 4450.0 *    103.7 *          *          *    103.7 *      7006          361      15085 *
* 4451.0 *     80.9 *          *          *     80.9 *      6905          361      14984 *
* 4452.0 *     63.1 *          *          *     63.1 *      6829          361      14908 *
* 4453.0 *     56.2 *          *          *     56.2 *      6764          361      14843 *
* 4454.0 *     16.7 *          *          *     16.7 *      6721          361      14800 *
* 4455.0 *      5.0 *          *          *      5.0 *      6710          361      14789 *
*****
```

*	*	*	*	*	*	*	C	U	M	U	A	T	V	E	*
* DEPTH	*	PERM	*	PERM	*	PERM	*	PERM	PERM	PERM	PERM	PERM	PERM	*	
* FT	*	OIL	*	GAS	*	WATER	*	TOTAL	*	OIL	GAS	WATER	TOTAL	*	
*	*	MD	*	MD	*	MD	*	MD	*	FT	FT	FT	FT	*	

*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
* 4457.0	*	32.6	*	*	*	32.6	*	6678	*			361	14757	*	
* 4458.0	*	59.8	*	*	*	59.8	*	6635	*			361	14714	*	
* 4459.0	*	76.1	*	*	*	76.1	*	6571	*			361	14650	*	
* 4460.0	*	91.6	*	*	*	91.6	*	6485	*			361	14564	*	
* 4461.0	*	14.0	*	*	*	14.0	*	6414	*			361	14493	*	
* 4462.0	*	2.2	*	*	*	2.2	*	6404	*			361	14483	*	
* 4463.0	*	2.8	*	*	*	2.8	*	6402	*			361	14481	*	
* 4464.0	*	9.1	*	*	*	9.1	*	6397	*			361	14476	*	
* 4465.0	*	9.4	*	*	*	9.4	*	6385	*			361	14464	*	
* 4466.0	*	4.7	*	*	*	4.7	*	6377	*			361	14456	*	
* 4467.0	*	28.0	*	*	*	28.0	*	6370	*			361	14449	*	
* 4468.0	*	77.3	*	*	*	77.3	*	6315	*			361	14394	*	
* 4469.0	*	13.6	*	*	*	13.6	*	6257	*			361	14336	*	
* 4470.0	*	5.3	*	*	*	5.3	*	6246	*			361	14325	*	
* 4471.0	*	17.7	*	*	*	17.7	*	6240	*			361	14318	*	
* 4472.0	*	64.7	*	*	*	64.7	*	6211	*			361	14290	*	
* 4473.0	*	69.9	*	*	*	69.9	*	6152	*			361	14231	*	
* 4474.0	*	68.9	*	*	*	68.9	*	6074	*			361	14153	*	
* 4475.0	*	15.2	*	*	*	15.2	*	6026	*			361	14105	*	
* 4476.0	*	18.5	*	*	*	18.5	*	6011	*			361	14090	*	
* 4477.0	*	2.1	*	*	*	2.1	*	5999	*			361	14078	*	
* 4478.0	*	3.7	*	*	*	3.7	*	5998	*			361	14077	*	
* 4479.0	*	13.8	*	*	*	13.8	*	5991	*			361	14070	*	
* 4480.0	*	18.9	*	*	*	18.9	*	5978	*			361	14057	*	
* 4481.0	*	10.4	*	*	*	10.4	*	5961	*			361	14040	*	
* 4482.0	*	47.0	*	*	*	47.0	*	5949	*			361	14028	*	
* 4483.0	*	72.0	*	*	*	72.0	*	5890	*			361	13968	*	
* 4484.0	*	2.7	*	*	*	2.7	*	5844	*			361	13922	*	
* 4494.0	*	.1	*	*	*	.1	*	5842	*			361	13921	*	
* 4495.0	*	.1	*	*	*	.1	*	5842	*			361	13921	*	
* 4496.0	*	2.0	*	*	*	2.0	*	5842	*			361	13920	*	
* 4497.0	*	2.6	*	*	*	2.6	*	5839	*			361	13917	*	
* 4498.0	*	.1	*	*	*	.1	*	5836	*			361	13915	*	
* 4500.0	*	.4	*	*	*	.4	*	5836	*			361	13915	*	
* 4501.0	*	.3	*	*	*	.3	*	5836	*			361	13914	*	
* 4522.0	*	.1	*	*	*	.1	*	5836	*			361	13913	*	
* 4525.0	*	.1	*	*	*	.1	*	5836	*			361	13913	*	
* 4526.0	*	1.9	*	*	*	1.9	*	5835	*			361	13913	*	
* 4527.0	*	5.5	*	*	*	5.5									

```
*****
*          *          *          *          *          *          *          *          *          *          *
* DEPTH    * PERM    * PERM    * PERM    * PERM    * C U M U A T V E *
*          * OIL     * GAS     * WATER  * TOTAL   * PERM    PERM    PERM    PERM    *
*          * MD      * MD      * MD      * MD      * FT      FT      FT      FT      *
*****
*          *          *          *          *          *          *          *          *          *          *
* 4531.0 * 3.1 *          *          * 3.1 * 5820          361 13898 *
* 4532.0 * 10.7 *          *          * 10.7 * 5816          361 13893 *
* 4533.0 * 5.4 *          *          * 5.4 * 5807          361 13884 *
* 4534.0 * 125.9 *          *          * 125.9 * 5791          361 13868 *
* 4535.0 * 36.5 *          *          * 36.5 * 5644          361 13721 *
* 4536.0 * 1.6 *          *          * 1.6 * 5623          361 13700 *
* 4537.0 * 4.3 *          *          * 4.3 * 5621          361 13698 *
* 4538.0 * 29.9 *          *          * 29.9 * 5609          361 13686 *
* 4539.0 * 2.6 *          *          * 2.6 * 5584          361 13661 *
* 4540.0 * .6 *          *          * .6 * 5582          361 13660 *
* 4541.0 * 22.7 *          *          * 22.7 * 5580          361 13657 *
* 4542.0 * 178.6 *          *          * 178.6 * 5522          361 13599 *
* 4543.0 * 42.0 *          *          * 42.0 * 5370          361 13448 *
* 4544.0 * 7.7 *          *          * 7.7 * 5343          361 13420 *
* 4545.0 * 1.8 *          *          * 1.8 * 5337          361 13414 *
*          *          *          *          *          *          *          *          *          *          *
* 4550.0 * .2 *          *          * .2 * 5336          361 13413 *
*          *          *          *          *          *          *          *          *          *          *
* 4553.0 * .9 *          *          * .9 * 5336          361 13413 *
* 4554.0 * 26.9 *          *          * 37.0 * 5332          361 13408 *
* 4555.0 * 24.6 *          *          * 35.1 * 5304          361 13369 *
* 4556.0 * 6.6 *          *          * 9.6 * 5288          361 13346 *
* 4557.0 * 1.6 *          *          * 2.3 * 5283          361 13338 *
* 4558.0 * .2 *          *          * .2 * 5282          361 13337 *
* 4559.0 * .2 *          *          * .2 * 5282          361 13337 *
* 4560.0 * .2 *          *          * .2 * 5282          361 13337 *
*          *          *          *          *          *          *          *          *          *          *
* 4564.0 * .1 *          *          * .1 * 5281          361 13336 *
*          *          *          *          *          *          *          *          *          *          *
* 4566.0 * .3 *          *          * .3 * 5281          361 13336 *
*          *          *          *          *          *          *          *          *          *          *
* 4568.0 * 193.0 *          *          * 223.2 * 5261          361 13313 *
*          *          *          *          *          *          *          *          *          *          *
* 4580.0 * .1 *          *          * .1 * 5138          361 13171 *
* 4581.0 * .1 *          *          * .1 * 5138          361 13171 *
*          *          *          *          *          *          *          *          *          *          *
* 4588.0 * .1 *          *          * .1 * 5138          361 13170 *
* 4589.0 * 6.9 *          *          * 6.9 * 5137          361 13169 *
* 4590.0 * 1.5 *          *          * 1.5 * 5131          361 13164 *
* 4591.0 * .7 *          *          * .7 * 5130          361 13163 *
* 4592.0 * .1 *          *          * .1 * 5129          361 13162 *
* 4593.0 * .1 *          *          * .1 * 5129          361 13162 *
* 4594.0 * 125.1 *          *          * 125.1 * 5121          361 13154 *
* 4595.0 * 127.0 *          *          * 127.0 * 4962          361 12995 *
* 4596.0 * 31.2 *          *          * 31.2 * 4866          361 12899 *
*****
```

DEPTH	PERM OIL MD	PERM GAS MD	PERM WATER MD	PERM TOTAL MD	C U M U A T V E	PERM OIL FT	PERM GAS FT	PERM WATER FT	PERM TOTAL FT
4598.0	.7			.7		4841		361	12874
4599.0	1.1			1.1		4841		361	12874
4600.0	5.9			5.9		4838		361	12871
4601.0	14.8			14.8		4830		361	12863
4602.0	3.4			3.4		4818		361	12851
4603.0	1.9			1.9		4815		361	12848
4604.0	17.9			17.9		4812		361	12845
4605.0	84.5			85.0		4775		361	12808
4606.0	41.2			41.2		4687		361	12718
4607.0	5.4			5.4		4660		361	12691
4608.0	9.9			9.9		4655		361	12686
4609.0	6.4			6.4		4646		361	12677
4610.0	1.1			1.1		4642		361	12673
4611.0	.5			.5		4641		361	12672
4614.0	.2			.2		4640		361	12671
4615.0	24.4			25.0		4639		361	12670
4616.0	36.3			43.9		4591		361	12616
4617.0	5.9			5.9		4569		361	12588
4618.0	4.4			4.4		4561		361	12581
4619.0	1.3			1.3		4558		361	12578
4620.0	6.3			7.8		4556		361	12576
4621.0	8.1			8.6		4549		361	12567
4622.0	.6			.6		4543		361	12561
4628.0	9.5			9.5		4543		361	12560
4629.0	18.5			19.1		4526		361	12543
4630.0	50.2			61.3		4502		361	12517
4631.0	89.3		.2	146.6		4444		361	12438
4632.0	209.3		.7	351.7		4342		361	12268
4633.0	225.6		1.1	400.2		4138		360	11916
4634.0	221.8		.3	332.7		3880		359	11478
4635.0	11.5			11.9		3740		359	11274
4636.0	8.3			8.3		3731		359	11264
4637.0	4.8			4.8		3723		359	11257
4638.0	6.2			6.2		3718		359	11251
4639.0	15.7			16.3		3710		359	11242
4640.0	6.4			6.4		3694		359	11227
4641.0	5.1			5.1		3688		359	11220
4642.0	6.9			6.9		3683		359	11215
4643.0	11.5			11.5		3675		359	11207
4644.0	9.1			9.1		3664		359	11196
4645.0	22.0			22.0		3653		359	11185
4646.0	4.3			4.3		3631		359	11164

* DEPTH *	* PERM OIL MD *	* PERM GAS MD *	* PERM WATER MD *	* PERM TOTAL MD *	* C U M U A T V E *	* PERM OIL FT *	* PERM GAS FT *	* PERM WATER FT *	* PERM TOTAL FT *
* 4651.0 *	* 62.0 *	* *	* *	* 62.0 *	* 3620 *	* 359 *	* 11153 *		
* 4652.0 *	* 60.2 *	* *	* *	* 60.2 *	* 3556 *	* 359 *	* 11089 *		
* 4653.0 *	* 59.7 *	* *	* *	* 59.7 *	* 3501 *	* 359 *	* 11033 *		
* 4654.0 *	* 49.9 *	* *	* *	* 49.9 *	* 3444 *	* 359 *	* 10976 *		
* 4655.0 *	* 37.9 *	* *	* *	* 37.9 *	* 3403 *	* 359 *	* 10935 *		
* 4656.0 *	* 20.8 *	* *	* *	* 20.8 *	* 3366 *	* 359 *	* 10898 *		
* 4657.0 *	* 2.1 *	* *	* *	* 2.1 *	* 3350 *	* 359 *	* 10882 *		
* 4658.0 *	* .2 *	* *	* *	* .2 *	* 3348 *	* 359 *	* 10881 *		
* 4659.0 *	* 1.2 *	* *	* *	* 1.2 *	* 3348 *	* 359 *	* 10880 *		
* 4660.0 *	* .8 *	* *	* *	* .8 *	* 3347 *	* 359 *	* 10879 *		
* 4661.0 *	* .1 *	* *	* *	* .1 *	* 3346 *	* 359 *	* 10879 *		
* 4666.0 *	* .4 *	* *	* *	* .4 *	* 3346 *	* 359 *	* 10878 *		
* 4667.0 *	* 1.3 *	* *	* *	* 1.3 *	* 3345 *	* 359 *	* 10878 *		
* 4670.0 *	* .1 *	* *	* *	* .1 *	* 3345 *	* 359 *	* 10877 *		
* 4671.0 *	* .5 *	* *	* *	* .8 *	* 3345 *	* 359 *	* 10877 *		
* 4672.0 *	* 2.6 *	* *	* *	* 5.3 *	* 3343 *	* 359 *	* 10874 *		
* 4673.0 *	* 1.8 *	* *	* *	* 3.9 *	* 3341 *	* 359 *	* 10870 *		
* 4674.0 *	* 2.0 *	* *	* *	* 3.9 *	* 3340 *	* 359 *	* 10866 *		
* 4675.0 *	* 1.2 *	* *	* *	* 2.1 *	* 3338 *	* 359 *	* 10863 *		
* 4676.0 *	* 2.9 *	* *	* *	* 4.6 *	* 3337 *	* 359 *	* 10861 *		
* 4677.0 *	* 1.4 *	* *	* *	* 1.6 *	* 3334 *	* 359 *	* 10857 *		
* 4678.0 *	* .2 *	* *	* *	* .2 *	* 3333 *	* 359 *	* 10856 *		
* 4680.0 *	* .1 *	* *	* *	* .1 *	* 3333 *	* 359 *	* 10955 *		
* 4681.0 *	* 8.8 *	* *	* *	* 8.8 *	* 3331 *	* 359 *	* 10854 *		
* 4682.0 *	* 2.2 *	* *	* *	* 2.2 *	* 3324 *	* 359 *	* 10846 *		
* 4683.0 *	* .8 *	* *	* *	* .8 *	* 3322 *	* 359 *	* 10845 *		
* 4684.0 *	* 1.4 *	* *	* *	* 1.4 *	* 3321 *	* 359 *	* 10844 *		
* 4685.0 *	* 4.8 *	* *	* *	* 6.3 *	* 3319 *	* 359 *	* 10841 *		
* 4686.0 *	* 12.2 *	* *	* *	* 18.5 *	* 3313 *	* 359 *	* 10833 *		
* 4687.0 *	* 26.2 *	* *	* .1 *	* 44.3 *	* 3298 *	* 359 *	* 10809 *		
* 4688.0 *	* 20.9 *	* *	* .4 *	* 47.7 *	* 3276 *	* 359 *	* 10769 *		
* 4689.0 *	* 32.8 *	* *	* 1.9 *	* 96.8 *	* 3253 *	* 358 *	* 10712 *		
* 4690.0 *	* 22.1 *	* *	* 4.5 *	* 97.4 *	* 3223 *	* 356 *	* 10618 *		
* 4691.0 *	* 44.2 *	* *	* 8.3 *	* 189.4 *	* 3198 *	* 350 *	* 10503 *		
* 4692.0 *	* 55.9 *	* *	* 18.5 *	* 297.3 *	* 3152 *	* 340 *	* 10293 *		
* 4693.0 *	* 40.2 *	* *	* 14.0 *	* 218.6 *	* 3091 *	* 322 *	* 9984 *		
* 4694.0 *	* 62.9 *	* *	* 15.2 *	* 296.4 *	* 3058 *	* 308 *	* 9790 *		
* 4695.0 *	* 84.1 *	* *	* 18.2 *	* 379.8 *	* 2964 *	* 290 *	* 9386 *		
* 4696.0 *	* 29.2 *	* *	* 7.8 *	* 142.8 *	* 2900 *	* 276 *	* 9090 *		
* 4697.0 *	* 112.6 *	* *	* 23.4 *	* 501.4 *	* 2848 *	* 266 *	* 8869 *		
* 4698.0 *	* 111.3 *	* *	* 33.9 *	* 573.0 *	* 2713 *	* 234 *	* 8241 *		
* 4699.0 *	* 78.0 *	* *	* 12.5 *	* 316.9 *	* 2617 *	* 206 *	* 7753 *		

DEPTH	PERM OIL MD	PERM GAS MD	PERM WATER MD	PERM TOTAL MD	C U M U PERM OIL FT	A T V E PERM WATER FT	PERM GAS FT	PERM TOTAL FT
4701.0	238.5		27.4	866.6	2410	182		7005
4702.0	146.5		29.4	644.0	2170	155		6135
4703.0	226.5		32.6	886.5	2030	125		5505
4704.0	173.1		18.9	619.3	1800	93		4614
4705.0	16.0		.6	43.2	1681	81		4201
4706.0	23.6		.3	47.8	1668	81		4170
4707.0	55.4		2.4	152.5	1631	80		4087
4708.0	36.6		2.1	108.2	1570	77		3913
4709.0	7.8		.7	26.1	1542	76		3830
4710.0	68.2		3.1	189.3	1520	75		3770
4711.0	83.7		6.3	267.2	1437	70		3528
4712.0	32.0		1.2	85.5	1365	65		3306
4713.0	7.7			12.6	1344	65		3252
4714.0	.2			.2	1339	65		3244
4718.0	.2			.2	1339	65		3244
4719.0				.1	1338	65		3244
4722.0	.1			.1	1338	65		3244
4723.0	.2			.2	1338	65		3244
4724.0	2.4			2.4	1338	65		3243
4725.0	3.8			3.8	1335	65		3240
4726.0	.2			.2	1333	65		3238
4727.0	5.0		.1	11.6	1332	65		3238
4728.0	14.2		1.7	52.3	1324	64		3214
4729.0	9.7		2.8	49.0	1313	62		3167
4730.0	30.9		3.6	112.9	1294	59		3099
4731.0	17.1		3.3	74.4	1265	55		2980
4732.0	9.7		2.2	44.6	1251	52		2918
4733.0	4.8		1.7	26.2	1243	50		2881
4734.0	10.5		3.3	54.6	1237	48		2848
4735.0	60.8		9.6	245.5	1201	43		2705
4736.0	30.0		7.2	140.9	1127	32		2417
4737.0	19.9		3.8	86.3	1102	26		2298
4738.0	13.0		1.4	46.3	1085	23		2228
4739.0	7.5		.6	24.2	1076	22		2193
4740.0	3.5		.1	8.2	1070	21		2173
4741.0	.7			1.8	1067	21		2168
4742.0	1.5			2.8	1067	21		2166
4743.0	.6			1.1	1065	21		2164
4744.0	3.8		.1	8.1	1064	21		2162
4745.0	9.9		.1	18.7	1058	21		2148
4746.0	5.2			8.7	1049	21		2133
4747.0	2.5			4.5	1045	21		2126
4748.0	3.9		.1	9.3	1042	21		2120

* DEPTH	* PERM OIL	* PERM GAS	* PERM WATER	* PERM TOTAL	* PERM OIL	* PERM GAS	* PERM WATER	* PERM TOTAL	* C U M U A T V E	* FT	* FT

* 4750.0	* 26.7	* .6	* 61.5	* 1029			21	2086			
* 4751.0	* 10.4	* .1	* 21.6	* 1004			20	2028			
* 4752.0	* 1.3	* .2	* 5.2	* 997			20	2014			
* 4753.0	* 18.1	* 1.1	* 53.9	* 994			20	2001			
* 4754.0	* 20.2	* 1.1	* 59.4	* 971			19	1936			
* 4755.0	* 32.9	* .9	* 81.1	* 946			18	1858			
* 4756.0	* 15.1	* .4	* 37.2	* 919			17	1800			
* 4757.0	* 20.7	* .2	* 41.9	* 906			16	1770			
* 4758.0	* 53.8	* .6	* 108.1	* 878			16	1717			
* 4759.0	* 4.9	* .2	* 13.1	* 840			16	1637			
* 4760.0	* .2		* .5	* 837			16	1629			
* 4763.0			* .1	* 837			16	1629			
* 4764.0	* .1		* .3	* 837			16	1629			
* 4765.0	* 2.0		* 3.3	* 836			16	1628			
* 4766.0	* 24.1	* .3	* 48.7	* 831			16	1619			
* 4767.0	* 37.4	* .7	* 84.1	* 798			15	1551			
* 4768.0	* 12.2	* .1	* 24.7	* 771			15	1488			
* 4769.0	* 4.9		* 7.4	* 760			15	1467			
* 4770.0	* 12.2		* 15.9	* 754			15	1459			
* 4771.0	* 19.3		* 25.9	* 732			15	1429			
* 4772.0	* .7		* .8	* 719			15	1413			
* 4776.0	* .2		* .2	* 719			15	1412			
* 4777.0	* .2		* .2	* 719			15	1412			
* 4778.0	* 3.3		* 3.9	* 718			15	1411			
* 4779.0	* 1.2		* 1.6	* 715			15	1407			
* 4780.0	* .3		* .3	* 714			15	1406			
* 4781.0	* .1		* .1	* 713			15	1406			
* 4786.0	* .1		* .1	* 713			15	1406			
* 4787.0	* 4.5		* 6.3	* 713			15	1405			
* 4788.0	* 5.1	* .1	* 12.4	* 707			15	1394			
* 4789.0	* 3.7	* .2	* 10.1	* 702			14	1384			
* 4790.0	* 17.9	* .2	* 35.0	* 697			14	1370			
* 4791.0	* 5.4		* 9.3	* 682			14	1340			
* 4794.0	* .1		* .1	* 679			14	1335			
* 4795.0	* .1		* .1	* 679			14	1335			
* 4799.0	* .1		* .1	* 679			14	1335			
* 4800.0	* .1		* .1	* 679			14	1335			
* 4805.0	* 18.8	* .8	* 51.9	* 678			14	1334			
* 4806.0	* 201.8	* .5	* 326.6	* 546			12	1066			

* DEPTH *	* PERM *	* PERM *	* PERM *	* PERM *	* C U M U *	* A T *	* V E *				
* FT *	* OIL MD *	* GAS MD *	* WATER MD *	* TOTAL MD *	* PERM OIL FT *	* PERM GAS FT *	* PERM WATER FT *	* PERM TOTAL FT *			

* 4808.0 *	* 43.4 *	* *	* .7 *	* 94.3 *	* 417 *		* 12 *	* 856 *			
* 4809.0 *	* 80.0 *	* *	* .5 *	* 146.6 *	* 354 *		* 11 *	* 722 *			
* 4810.0 *	* 8.2 *	* *	* .1 *	* 15.1 *	* 392 *		* 11 *	* 627 *			
* 4811.0 *	* 5.2 *	* *	* *	* 8.2 *	* 296 *		* 11 *	* 616 *			
* 4812.0 *	* .7 *	* *	* *	* .9 *	* 292 *		* 11 *	* 610 *			
* 4813.0 *	* .6 *	* *	* *	* .6 *	* 292 *		* 11 *	* 609 *			
* 4814.0 *	* .3 *	* *	* *	* .3 *	* 291 *		* 11 *	* 609 *			
* 4815.0 *	* .3 *	* *	* *	* .4 *	* 291 *		* 11 *	* 608 *			
* 4816.0 *	* .2 *	* *	* *	* .5 *	* 290 *		* 11 *	* 608 *			
* 4817.0 *	* .5 *	* *	* .1 *	* 1.7 *	* 290 *		* 11 *	* 607 *			
* 4818.0 *	* .5 *	* *	* .2 *	* 2.5 *	* 290 *		* 11 *	* 606 *			
* 4819.0 *	* 13.5 *	* *	* .3 *	* 31.0 *	* 289 *		* 11 *	* 601 *			
* 4820.0 *	* 40.1 *	* *	* .3 *	* 76.6 *	* 264 *		* 10 *	* 551 *			
* 4821.0 *	* 6.1 *	* *	* .3 *	* 17.5 *	* 229 *		* 10 *	* 482 *			
* 4822.0 *	* 2.1 *	* *	* .2 *	* 7.2 *	* 225 *		* 10 *	* 469 *			
* 4823.0 *	* 27.2 *	* *	* .1 *	* 47.0 *	* 218 *		* 9 *	* 451 *			
* 4824.0 *	* 28.0 *	* *	* *	* 38.9 *	* 190 *		* 9 *	* 407 *			
* 4825.0 *	* 23.0 *	* *	* *	* 27.0 *	* 163 *		* 9 *	* 371 *			
* 4826.0 *	* 11.5 *	* *	* *	* 11.5 *	* 145 *		* 9 *	* 350 *			
* 4827.0 *	* 3.8 *	* *	* *	* 3.8 *	* 136 *		* 9 *	* 341 *			
* 4828.0 *	* .1 *	* *	* *	* .1 *	* 134 *		* 9 *	* 339 *			
* 4830.0 *	* .1 *	* *	* *	* .1 *	* 134 *		* 9 *	* 339 *			
* 4831.0 *	* 2.7 *	* *	* *	* 2.7 *	* 133 *		* 9 *	* 338 *			
* 4835.0 *	* .1 *	* *	* *	* .1 *	* 131 *		* 9 *	* 336 *			
* 4865.0 *	* .1 *	* *	* *	* .1 *	* 131 *		* 9 *	* 335 *			
* 4876.0 *	* 1.0 *	* *	* *	* 1.0 *	* 131 *		* 9 *	* 334 *			
* 4878.0 *	* .2 *	* *	* *	* .2 *	* 130 *		* 9 *	* 333 *			
* 4879.0 *	* .5 *	* *	* *	* .5 *	* 130 *		* 9 *	* 333 *			
* 4925.0 *	* .1 *	* *	* *	* .1 *	* 130 *		* 9 *	* 330 *			
* 4926.0 *	* .1 *	* *	* *	* .1 *	* 130 *		* 9 *	* 330 *			
* 4929.0 *	* .1 *	* *	* *	* .1 *	* 130 *		* 9 *	* 330 *			
* 4940.0 *	* .3 *	* *	* *	* .3 *	* 129 *		* 9 *	* 330 *			
* 4941.0 *	* .6 *	* *	* *	* 1.3 *	* 129 *		* 9 *	* 329 *			
* 4942.0 *	* 1.3 *	* *	* *	* 2.6 *	* 128 *		* 9 *	* 327 *			
* 4949.0 *	* .1 *	* *	* *	* .1 *	* 127 *		* 9 *	* 325 *			

* DEPTH *	* PERM *	* PERM *	* PERM *	* PERM *	* C U N U *	* A T *	* V F *				
* FT *	* OIL *	* GAS *	* WATER *	* TOTAL *	* PERM *	* PERM *	* PERM *	* PERM *			
	MD	MD	MD	MD	OIL	GAS	WATER	TOTAL			
					FT	FT	FT	FT			

* 4969.0 *				.1	127		9	324			
* 4970.0 *			.1	.1	127		9	324			
* 4973.0 *	1.2			3.0	127		9	324			
* 4974.0 *	3.2		.1	7.3	124		9	317			
* 4975.0 *	.5			1.2	122		9	312			
* 4976.0 *	.1			.4	122		9	311			
* 4977.0 *				.1	122		9	311			
* 4979.0 *	.1			.5	122		9	311			
* 4980.0 *			.1	.4	122		9	310			
* 4981.0 *	.1			.2	122		9	310			
* 4982.0 *	.1			.2	121		9	310			
* 4983.0 *	.1			.2	121		9	309			
* 4984.0 *				.1	121		9	309			
* 4991.0 *	.1			.1	121		9	309			
* 5002.0 *	.8			.8	121		9	308			
* 5003.0 *	.9			.9	120		9	308			
* 5004.0 *	1.1			1.1	120		9	307			
* 5005.0 *	.7			.7	119		9	306			
* 5008.0 *	.3			.3	118		9	305			
* 5014.0 *	.3			.4	118		9	305			
* 5015.0 *	1.5			1.8	117		9	303			
* 5017.0 *	.1			.1	116		9	302			
* 5018.0 *	.1			.1	116		9	302			
* 5021.0 *	.7			.7	116		9	302			
* 5022.0 *	.6			.6	115		9	301			
* 5023.0 *	.4			.4	114		9	300			
* 5024.0 *	.1			.1	114		9	300			
* 5028.0 *	.2			.2	114		9	299			
* 5029.0 *	.6			.6	113		9	299			
* 5030.0 *	2.7			3.0	112		9	298			
* 5031.0 *	.7			.8	110		9	296			
* 5032.0 *	.6			.9	110		9	295			
* 5033.0 *	14.9			25.0	108		9	293			
* 5034.0 *	9.2		.1	17.7	91		9	264			
* 5035.0 *	1.9			3.4	85		9	251			

```
*****
*      *      *      *      *      *      *      *      *      *      *      *      *
* DEPTH * PERM * PERM * PERM * PERM * C U M U A T V E *
*      * OIL * GAS * WATER * TOTAL * PERM PERM PERM PERM *
*      * MD * MD * MD * MD * FT FT FT FT *
*****
*      *      *      *      *      *      *      *      *      *      *      *
* 5039.0 * .1 *      *      *      *      *      *      *      *      *      *
*      *      *      *      *      *      *      *      *      *      *      *
* 5042.0 *      *      *      *      *      *      *      *      *      *      *
*      *      *      *      *      *      *      *      *      *      *      *
* 5044.0 * 3.1 *      *      *      *      *      *      *      *      *      *
* 5045.0 * 1.2 *      *      *      *      *      *      *      *      *      *
* 5046.0 * .4 *      *      *      *      *      *      *      *      *      *
* 5047.0 * .2 *      *      *      *      *      *      *      *      *      *
* 5048.0 * .1 *      *      *      *      *      *      *      *      *      *
* 5049.0 *      *      *      *      *      *      *      *      *      *      *
* 5050.0 * .2 *      *      *      *      *      *      *      *      *      *
* 5051.0 * .2 *      *      *      *      *      *      *      *      *      *
* 5052.0 *      *      *      *      *      *      *      *      *      *      *
*      *      *      *      *      *      *      *      *      *      *      *
* 5056.0 * .1 *      *      *      *      *      *      *      *      *      *
*      *      *      *      *      *      *      *      *      *      *      *
* 5062.0 * .6 *      *      *      *      *      *      *      *      *      *
* 5063.0 * 21.0 *      *      *      *      *      *      *      *      *      *
* 5064.0 * 1.7 *      *      *      *      *      *      *      *      *      *
* 5065.0 *      *      *      *      *      *      *      *      *      *      *
* 5066.0 * 2.2 *      *      *      *      *      *      *      *      *      *
* 5067.0 * 9.7 *      *      *      *      *      *      *      *      *      *
* 5068.0 * 2.6 *      *      *      *      *      *      *      *      *      *
* 5069.0 * 2.6 *      *      *      *      *      *      *      *      *      *
* 5070.0 * 3.3 *      *      *      *      *      *      *      *      *      *
* 5071.0 * 1.4 *      *      *      *      *      *      *      *      *      *
* 5072.0 *      *      *      *      *      *      *      *      *      *      *
* 5073.0 * 8.2 *      *      *      *      *      *      *      *      *      *
* 5074.0 * 14.5 *      *      *      *      *      *      *      *      *      *
* 5075.0 * .4 *      *      *      *      *      *      *      *      *      *
* 5076.0 *      *      *      *      *      *      *      *      *      *      *
* 5077.0 * .1 *      *      *      *      *      *      *      *      *      *
* 5078.0 *      *      *      *      *      *      *      *      *      *      *
*      *      *      *      *      *      *      *      *      *      *      *
* 5080.0 * .1 *      *      *      *      *      *      *      *      *      *
*****
```