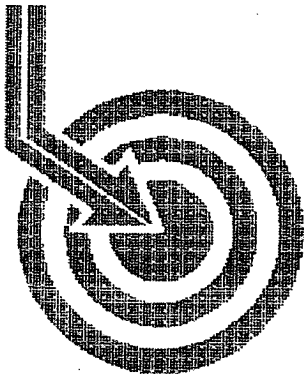




Scientific Drilling

SCANNED

SUR: O-7-25s-34e, 660/S & 2111/E
BHL: L-8-25s-34e, 2064/S & 696/W
API # 30-025-32631

E.O.G. (Enron Oil & Gas)

Field: Unknown
Site: Lea County, NM
Well: Red Hills Unit #705
Wellpath: VH - Job #32K1003541
Survey: 10/19/03



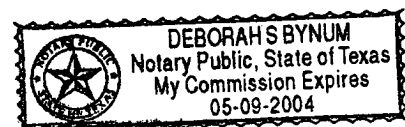
This survey is correct to the best of my knowledge
and is supported by actual field data.

Scott Nealey.....Company Representative

Notorized this date 16th of December, 2003.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas



Scientific Drilling Survey Report

Company: E.O.G. (Enron Oil & Gas) Field: Unknown Site: Lea County, NM Well: Red Hills Unit #705 Wellpath: VH - Job #32K1003541	Date: 12/15/2003 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 15:52:24 Site: Lea County, NM, True North SITE 0.0 Well (0.00N,0.00E,86.11Azi) Minimum Curvature	Page: 1 Db: Sybase
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Survey: 10/19/03 KSRG 0'-11967' Company: Scientific Drilling Tool: Keeper, Keeper Surface Readout Gyro	Start Date: 10/19/2003 Engineer: Ron Drake Tied-to: From Surface
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Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.84	36.36	100.0	0.5	0.6	0.4	0.84	0.7	36.36
200.0	0.86	29.46	200.0	1.4	1.8	1.2	0.10	2.2	34.03
300.0	0.87	29.37	300.0	2.2	3.1	2.0	0.01	3.7	32.16
400.0	1.02	27.65	400.0	3.1	4.6	2.8	0.15	5.4	31.02
500.0	1.18	29.55	499.9	4.1	6.3	3.7	0.16	7.3	30.40
600.0	1.44	26.49	599.9	5.3	8.3	4.8	0.27	9.6	29.79
700.0	1.36	27.64	699.9	6.6	10.5	5.9	0.08	12.0	29.24
800.0	1.26	36.24	799.9	7.9	12.4	7.1	0.22	14.3	29.64
900.0	1.23	37.41	899.8	9.3	14.2	8.4	0.04	16.4	30.59
1000.0	1.40	30.25	999.8	10.7	16.1	9.6	0.24	18.7	30.95
1100.0	1.45	34.54	1099.8	12.2	18.2	11.0	0.12	21.2	31.13
1200.0	1.54	29.67	1199.7	13.7	20.4	12.4	0.16	23.8	31.23
1300.0	1.40	34.22	1299.7	15.2	22.5	13.7	0.18	26.4	31.29
1400.0	1.33	32.71	1399.7	16.6	24.5	15.0	0.08	28.8	31.47
1500.0	1.38	33.00	1499.7	18.1	26.5	16.3	0.05	31.1	31.57
1600.0	1.22	41.31	1599.6	19.5	28.3	17.7	0.25	33.4	31.93
1700.0	1.32	32.78	1699.6	21.0	30.1	19.0	0.21	35.6	32.24
1800.0	1.32	37.26	1799.6	22.4	32.0	20.3	0.10	37.9	32.41
1900.0	1.13	44.85	1899.6	23.9	33.6	21.7	0.25	40.0	32.85
2000.0	1.18	38.98	1999.5	25.4	35.1	23.0	0.13	42.0	33.28
2100.0	1.18	44.32	2099.5	26.8	36.6	24.4	0.11	44.0	33.67
2200.0	1.16	42.22	2199.5	28.3	38.1	25.8	0.05	46.0	34.10
2300.0	1.28	38.89	2299.5	29.8	39.7	27.2	0.14	48.2	34.38
2400.0	1.53	42.75	2399.4	31.6	41.6	28.8	0.27	50.6	34.70
2500.0	1.53	48.75	2499.4	33.6	43.5	30.7	0.16	53.2	35.25
2600.0	1.55	54.72	2599.4	35.8	45.1	32.8	0.16	55.8	36.03
2700.0	1.77	61.12	2699.3	38.4	46.6	35.3	0.29	58.5	37.10
2800.0	2.09	60.08	2799.3	41.4	48.3	38.2	0.32	61.6	38.34
2900.0	2.46	54.86	2899.2	44.9	50.4	41.5	0.42	65.3	39.47
3000.0	2.40	61.57	2999.1	48.6	52.7	45.1	0.29	69.4	40.59
3100.0	2.55	67.59	3099.0	52.6	54.5	49.0	0.30	73.3	41.97
3200.0	2.97	66.82	3198.9	57.2	56.4	53.5	0.42	77.7	43.48
3300.0	3.71	59.38	3298.7	62.5	59.1	58.6	0.86	83.2	44.80
3400.0	3.89	61.66	3398.5	68.5	62.3	64.4	0.23	89.6	45.95
3500.0	3.93	66.26	3498.3	74.8	65.3	70.5	0.32	96.1	47.20
3600.0	3.77	72.45	3598.0	81.2	67.7	76.8	0.45	102.4	48.62
3700.0	3.73	71.92	3697.8	87.6	69.7	83.0	0.05	108.4	50.00
3800.0	3.87	69.38	3797.6	93.9	71.9	89.3	0.22	114.6	51.16
3900.0	4.22	87.41	3897.4	100.9	73.2	96.1	1.31	120.8	52.70
4000.0	4.59	83.06	3997.1	108.5	73.9	103.8	0.50	127.4	54.55
4100.0	4.62	88.72	4096.7	116.6	74.4	111.8	0.46	134.3	56.33
4200.0	4.70	87.90	4196.4	124.7	74.7	119.9	0.10	141.2	58.08
4300.0	4.93	88.48	4296.1	133.1	75.0	128.3	0.24	148.6	59.70
4400.0	5.07	94.53	4395.7	141.7	74.7	137.0	0.55	156.0	61.39
4500.0	4.27	96.68	4495.4	149.8	73.9	145.1	0.82	162.8	62.99
4600.0	3.94	99.09	4595.1	156.8	73.0	152.2	0.37	168.7	64.38
4700.0	3.66	106.89	4694.9	163.1	71.5	158.6	0.59	174.0	65.74
4800.0	3.53	109.30	4794.7	168.9	69.5	164.6	0.20	178.7	67.09

Scientific Drilling Survey Report

Company: E.O.G. (Enron Oil & Gas)
Field: Unknown
Site: Lea County, NM
Well: Red Hills Unit #705
Wellpath: VH - Job #32K1003541

Date: 12/15/2003 Time: 15:52:24 Page: 2
Co-ordinate(N/E) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,86.11Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	3.26	113.48	4894.5	174.3	67.4	170.1	0.37	182.9	68.38
5000.0	2.76	117.35	4994.4	178.8	65.2	174.8	0.54	186.6	69.56
5100.0	1.46	105.56	5094.3	182.1	63.7	178.2	1.36	189.2	70.33
5200.0	1.16	113.79	5194.3	184.2	63.0	180.3	0.35	191.0	70.76
5300.0	0.99	121.11	5294.3	185.8	62.1	182.0	0.22	192.3	71.16
5400.0	0.95	123.23	5394.2	187.2	61.2	183.4	0.05	193.4	71.55
5500.0	0.89	124.05	5494.2	188.4	60.3	184.8	0.06	194.4	71.92
5600.0	0.91	127.49	5594.2	189.7	59.4	186.1	0.06	195.3	72.29
5700.0	1.00	129.02	5694.2	190.9	58.4	187.4	0.09	196.2	72.70
5800.0	0.96	128.78	5794.2	192.1	57.3	188.7	0.04	197.2	73.11
5900.0	0.99	126.16	5894.2	193.4	56.3	190.0	0.05	198.2	73.51
6000.0	1.11	127.98	5994.2	194.8	55.1	191.5	0.12	199.3	73.93
6100.0	0.98	125.57	6094.1	196.2	54.1	193.0	0.14	200.4	74.35
6200.0	0.89	128.78	6194.1	197.4	53.1	194.3	0.10	201.4	74.72
6300.0	0.97	128.16	6294.1	198.6	52.1	195.5	0.08	202.4	75.09
6400.0	0.97	129.28	6394.1	199.9	51.0	196.9	0.02	203.4	75.47
6500.0	0.88	135.63	6494.1	201.0	49.9	198.1	0.14	204.2	75.85
6600.0	0.83	139.07	6594.1	201.9	48.8	199.1	0.07	205.0	76.22
6700.0	0.80	135.80	6694.1	202.8	47.8	200.0	0.06	205.7	76.57
6800.0	0.84	132.33	6794.1	203.8	46.8	201.1	0.06	206.4	76.90
6900.0	0.85	128.29	6894.0	204.8	45.8	202.2	0.06	207.3	77.23
7000.0	0.87	128.90	6994.0	205.9	44.9	203.3	0.02	208.2	77.55
7100.0	0.78	132.81	7094.0	207.0	44.0	204.4	0.11	209.1	77.87
7200.0	0.67	141.20	7194.0	207.8	43.0	205.3	0.15	209.8	78.16
7300.0	0.59	148.96	7294.0	208.3	42.1	205.9	0.12	210.2	78.44
7400.0	0.60	149.99	7394.0	208.8	41.2	206.5	0.01	210.5	78.70
7500.0	0.72	155.38	7494.0	209.2	40.2	207.0	0.13	210.9	79.00
7600.0	0.68	161.42	7594.0	209.6	39.1	207.4	0.08	211.1	79.33
7700.0	0.67	157.47	7694.0	210.0	38.0	207.9	0.05	211.3	79.64
7800.0	0.77	160.10	7794.0	210.3	36.8	208.3	0.11	211.5	79.98
7900.0	0.74	161.84	7894.0	210.7	35.6	208.7	0.04	211.7	80.33
8000.0	0.62	165.67	7994.0	210.9	34.4	209.1	0.13	211.9	80.65
8100.0	0.53	173.80	8093.9	211.0	33.4	209.3	0.12	211.9	80.92
8200.0	0.72	182.68	8193.9	211.0	32.4	209.3	0.21	211.8	81.21
8300.0	0.78	185.64	8293.9	210.8	31.1	209.2	0.07	211.5	81.56
8400.0	0.78	191.65	8393.9	210.5	29.7	209.0	0.08	211.1	81.91
8500.0	0.83	191.24	8493.9	210.1	28.3	208.7	0.05	210.6	82.27
8600.0	0.92	202.23	8593.9	209.6	26.9	208.3	0.19	210.0	82.65
8700.0	0.99	207.26	8693.9	208.8	25.4	207.6	0.11	209.1	83.03
8800.0	0.95	210.40	8793.9	207.9	23.9	206.7	0.07	208.1	83.41
8900.0	0.90	218.33	8893.9	206.9	22.6	205.8	0.14	207.1	83.75
9000.0	0.90	216.28	8993.9	205.9	21.3	204.9	0.03	206.0	84.06
9100.0	0.87	210.52	9093.8	204.9	20.0	204.0	0.09	205.0	84.40
9200.0	0.84	213.21	9193.8	204.0	18.7	203.2	0.05	204.1	84.73
9300.0	0.95	212.12	9293.8	203.1	17.4	202.4	0.11	203.1	85.08
9400.0	0.74	222.80	9393.8	202.2	16.3	201.5	0.26	202.2	85.39
9500.0	0.53	214.73	9493.8	201.4	15.4	200.8	0.23	201.4	85.61
9600.0	0.50	197.38	9593.8	201.0	14.6	200.4	0.16	201.0	85.83
9700.0	1.51	180.91	9693.8	200.7	12.9	200.3	1.04	200.7	86.32
9800.0	1.67	180.70	9793.7	200.5	10.1	200.2	0.16	200.5	87.11
9900.0	1.18	176.59	9893.7	200.3	7.6	200.3	0.50	200.4	87.82
10000.0	1.14	182.64	9993.7	200.2	5.6	200.3	0.13	200.4	88.40

Scientific Drilling Survey Report

Company: E.O.G. (Enron Oil & Gas)
Field: Unknown
Site: Lea County, NM
Well: Red Hills Unit #705
Wellpath: VH - Job #32K1003541

Date: 12/15/2003 Time: 15:52:24 Page: 3
Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,86.11Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10100.0	0.79	126.40	10093.7	200.6	4.2	200.8	0.96	200.8	88.81
10200.0	0.55	125.10	10193.7	201.5	3.5	201.7	0.24	201.8	89.01
10300.0	0.55	143.66	10293.7	202.2	2.8	202.4	0.18	202.4	89.20
10400.0	0.32	283.15	10393.7	202.1	2.5	202.4	0.82	202.5	89.29
10500.0	1.23	303.34	10493.7	201.0	3.2	201.3	0.94	201.3	89.10
10600.0	1.48	297.05	10593.6	199.1	4.3	199.2	0.29	199.3	88.75
10700.0	1.85	280.53	10693.6	196.4	5.2	196.5	0.60	196.6	88.48
10800.0	0.93	278.07	10793.6	194.0	5.6	194.1	0.92	194.2	88.34
10900.0	0.61	344.70	10893.5	193.1	6.3	193.2	0.89	193.3	88.14
11000.0	0.76	3.42	10993.5	193.1	7.4	193.0	0.27	193.2	87.79
11100.0	1.26	7.43	11093.5	193.4	9.2	193.2	0.50	193.4	87.28
11200.0	1.16	337.97	11193.5	193.3	11.2	193.0	0.62	193.3	86.67
11300.0	1.45	289.21	11293.5	191.8	12.6	191.4	1.11	191.8	86.24
11400.0	2.77	278.66	11393.4	188.3	13.4	187.8	1.37	188.3	85.93
11500.0	3.85	275.05	11493.2	182.6	14.0	182.1	1.10	182.6	85.60
11600.0	4.92	271.38	11592.9	175.0	14.4	174.5	1.11	175.1	85.28
11700.0	4.40	265.87	11692.6	166.9	14.2	166.4	0.69	167.0	85.11
11800.0	3.86	256.57	11792.4	159.8	13.2	159.3	0.86	159.8	85.27
11900.0	3.38	253.51	11892.2	153.6	11.6	153.2	0.52	153.6	85.68
11967.0	3.16	243.30	11959.0	150.0	10.2	149.6	0.93	150.0	86.11



Scientific
Drilling

Field: Unknown
Site: Lea County, NM
Well: Red Hills Unit #705
Wellpath: VH - Job #32K1003541
Survey: 10/19/03



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/15/2003
Model: WMM_95

