

Scientific Drilling International

Survey Report

Company: MEWBOURNE OIL
Field: Angel Ranch
Site: Eddy County, NM
Well: Burton Flat 5 Fed. #4
Wellpath: VH - Job #32K0401199

Date: 5/23/2001 **Time:** 16:58:55 **Page:** 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Well (0.0E,0.0N,301.8Azi)
Survey Calculation Method: Minimum Curvature

Survey: 4/6/01
 KSRG 0'-8240

Start Date: 5/23/2001

Company: Scientific Drilling International
Tool: Keeper

Engineer: Jeff Cossey

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00
100.0	0.61	145.27	100.0	-0.4	-0.4	0.3	0.5	145.27
200.0	0.82	159.89	200.0	-1.5	-1.5	0.9	1.8	151.14
300.0	1.01	168.49	300.0	-3.1	-3.1	1.3	3.3	157.54
400.0	0.82	285.22	400.0	-3.8	-3.8	0.8	3.8	168.57
500.0	0.69	345.62	500.0	-3.0	-3.0	-0.1	3.0	181.54
600.0	0.77	5.55	600.0	-1.7	-1.7	-0.2	1.7	185.42
700.0	0.86	10.99	699.9	-0.3	-0.3	0.0	0.3	172.52
800.0	0.80	6.47	799.9	1.1	1.1	0.3	1.1	13.54
900.0	0.63	343.04	899.9	2.3	2.3	0.2	2.3	4.52
1000.0	0.49	264.14	999.9	2.8	2.8	-0.4	2.8	351.83
1100.0	0.87	242.41	1099.9	2.4	2.4	-1.5	2.8	328.06
1200.0	0.86	241.48	1199.9	1.7	1.7	-2.8	3.3	300.93
1300.0	0.85	240.67	1299.9	1.0	1.0	-4.1	4.3	283.26
1400.0	0.90	239.06	1399.9	0.2	0.2	-5.5	5.5	272.19
1500.0	0.93	170.72	1499.9	-1.0	-1.0	-6.0	6.1	260.58
1600.0	1.30	146.84	1599.9	-2.7	-2.7	-5.3	5.9	242.38
1700.0	1.17	148.95	1699.8	-4.6	-4.6	-4.1	6.1	221.91
1800.0	0.82	163.59	1799.8	-6.1	-6.1	-3.4	7.0	208.83
1900.0	0.53	171.72	1899.8	-7.3	-7.3	-3.1	7.9	203.12
2000.0	0.69	183.88	1999.8	-8.3	-8.3	-3.1	8.9	200.28
2100.0	0.47	199.54	2099.8	-9.3	-9.3	-3.3	9.9	199.26
2200.0	0.38	219.55	2199.8	-10.0	-10.0	-3.6	10.6	199.90
2300.0	0.20	207.22	2299.8	-10.4	-10.4	-3.9	11.1	200.59
2400.0	0.15	240.04	2399.8	-10.6	-10.6	-4.1	11.4	201.11
2500.0	0.05	295.45	2499.8	-10.6	-10.6	-4.2	11.5	201.74
2600.0	0.19	293.78	2599.8	-10.6	-10.6	-4.4	11.5	202.79
2700.0	0.50	293.60	2699.8	-10.3	-10.3	-5.0	11.5	205.80
2800.0	0.54	298.11	2799.8	-9.9	-9.9	-5.8	11.5	210.32
2900.0	0.48	297.71	2899.8	-9.5	-9.5	-6.6	11.6	214.74
3000.0	0.54	284.93	2999.8	-9.2	-9.2	-7.4	11.8	218.91
3100.0	0.56	283.75	3099.8	-8.9	-8.9	-8.3	12.2	223.00
3200.0	0.64	282.16	3199.8	-8.7	-8.7	-9.4	12.8	227.06
3300.0	0.55	280.04	3299.8	-8.5	-8.5	-10.4	13.4	230.65
3400.0	0.42	287.01	3399.8	-8.3	-8.3	-11.2	14.0	233.40
3500.0	0.46	285.20	3499.8	-8.1	-8.1	-11.9	14.4	235.83
3600.0	0.37	282.27	3599.8	-7.9	-7.9	-12.6	14.9	237.89
3700.0	0.41	273.88	3699.8	-7.8	-7.8	-13.3	15.5	239.51
3800.0	0.48	260.00	3799.7	-7.9	-7.9	-14.1	16.1	240.75
3900.0	0.40	265.53	3899.7	-8.0	-8.0	-14.8	16.9	241.71
4000.0	0.50	240.97	3999.7	-8.2	-8.2	-15.6	17.6	242.15
4100.0	0.26	265.99	4099.7	-8.5	-8.5	-16.2	18.3	242.41
4200.0	0.29	235.91	4199.7	-8.6	-8.6	-16.6	18.7	242.60
4300.0	0.40	71.79	4299.7	-8.6	-8.6	-16.5	18.6	242.34
4400.0	0.60	63.68	4399.7	-8.3	-8.3	-15.7	17.8	242.12
4500.0	0.69	66.02	4499.7	-7.8	-7.8	-14.7	16.6	241.93
4600.0	1.22	83.30	4599.7	-7.5	-7.5	-13.1	15.1	240.29
4700.0	1.28	80.74	4699.7	-7.2	-7.2	-10.9	13.1	236.74

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