

OXY USA INC.
Oxy Amber Federal No.1, slot #1
, Eddy County New Mexico

SURVEY LISTING Page 2
Your ref : Gyro/MWD
Last revised : 14-Apr-99

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
2500.00	0.12	17.54	2499.95	4.44 N	4.51 E	-3.08
2600.00	0.32	350.97	2599.95	4.82 N	4.50 E	-2.96
2700.00	0.26	33.58	2699.94	5.29 N	4.58 E	-2.91
2800.00	0.10	109.06	2799.94	5.46 N	4.79 E	-3.06
2900.00	0.09	307.36	2899.94	5.47 N	4.81 E	-3.08
3000.00	0.11	145.89	2999.94	5.44 N	4.81 E	-3.08
3100.00	0.30	272.36	3099.94	5.37 N	4.61 E	-2.91
3200.00	0.21	298.61	3199.94	5.47 N	4.19 E	-2.48
3300.00	0.16	250.52	3299.94	5.51 N	3.90 E	-2.20
3400.00	0.45	260.75	3399.94	5.40 N	3.39 E	-1.73
3500.00	0.35	284.65	3499.94	5.41 N	2.70 E	-1.07
3600.00	0.35	268.29	3599.94	5.48 N	2.10 E	-0.48
3700.00	0.63	256.44	3699.93	5.34 N	1.26 E	0.29
3800.00	0.66	272.20	3799.93	5.23 N	0.16 E	1.32
3900.00	0.47	280.84	3899.92	5.33 N	0.81 W	2.28
4000.00	0.70	266.72	3999.92	5.37 N	1.83 W	3.27
4100.00	0.59	295.89	4099.91	5.56 N	2.91 W	4.35
4200.00	0.43	302.11	4199.91	5.99 N	3.69 W	5.22
4300.00	0.35	272.23	4299.90	6.20 N	4.31 W	5.88
4400.00	0.49	263.26	4399.90	6.16 N	5.04 W	6.57
4500.00	0.35	269.62	4499.90	6.10 N	5.77 W	7.25
4600.00	0.31	269.26	4599.90	6.10 N	6.35 W	7.80
4700.00	0.29	266.39	4699.90	6.08 N	6.86 W	8.30
4800.00	0.55	247.43	4799.89	5.88 N	7.56 W	8.91
4900.00	0.51	272.98	4899.89	5.72 N	8.45 W	9.71

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 242.09 on azimuth 279.99 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 286.34 degrees.
Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ

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Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
5000.00	0.38	269.96	4999.89	5.74 N 9.22 W	0.14	10.47
5100.00	0.39	270.37	5099.88	5.75 N 9.89 W	0.01	11.10
5200.00	0.39	283.54	5199.88	5.83 N 10.56 W	0.09	11.77
5300.00	0.32	305.21	5299.88	6.07 N 11.12 W	0.15	12.38
400.00	0.43	256.90	5399.88	6.15 N 11.72 W	0.32	12.98
5500.00	0.30	260.23	5499.87	6.02 N 12.34 W	0.14	13.54
5600.00	0.13	319.90	5599.87	6.07 N 12.68 W	0.26	13.87
5700.00	0.18	248.92	5699.87	6.10 N 12.90 W	0.19	14.10
5800.00	0.19	348.85	5799.87	6.21 N 13.08 W	0.29	14.30
5900.00	0.11	228.32	5899.87	6.31 N 13.19 W	0.27	14.43
6000.00	0.08	232.84	5999.87	6.20 N 13.31 W	0.03	14.52
6100.00	0.25	309.33	6099.87	6.30 N 13.54 W	0.24	14.76
6200.00	0.26	250.48	6199.87	6.36 N 13.92 W	0.25	15.14
6300.00	0.30	263.25	6299.87	6.26 N 14.39 W	0.08	15.57
6400.00	0.39	314.12	6399.87	6.46 N 14.90 W	0.31	16.11
6500.00	0.63	279.81	6499.87	6.79 N 15.68 W	0.38	16.96
6600.00	0.65	269.22	6599.86	6.88 N 16.78 W	0.12	18.04
6700.00	0.74	253.60	6699.85	6.69 N 17.97 W	0.21	19.13
6800.00	0.67	263.94	6799.84	6.44 N 19.17 W	0.15	20.21
300.00	0.72	261.58	6899.84	6.29 N 20.38 W	0.06	21.32
7000.00	0.82	260.06	6999.83	6.07 N 21.71 W	0.10	22.54
7100.00	0.87	259.91	7099.82	5.81 N 23.16 W	0.05	23.86
7200.00	0.87	258.68	7199.81	5.53 N 24.66 W	0.02	25.22
7300.00	1.17	261.92	7299.79	5.24 N 26.42 W	0.31	26.82
7400.00	1.16	267.12	7399.77	5.04 N 28.44 W	0.11	28.71

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