

OXY USA INC.
Big Red State No.1, slot #1
, Eddy County New Mexico

SURVEY LISTING Page 2
Your ref : MWD
Last revised : 27-Oct-1999

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	1.69	246.23	2499.09	35.61 S	0.06	-22.56
2600.00	1.51	249.52	2599.05	36.66 S	0.20	-22.92
2700.00	1.43	250.47	2699.02	37.54 S	0.08	-23.16
2800.00	1.67	248.91	2798.98	38.48 S	0.24	-23.42
2900.00	1.65	249.97	2898.94	39.50 S	0.04	-23.72
3000.00	1.70	246.77	2998.90	40.58 S	0.11	-24.07
3100.00	1.64	251.38	3098.86	41.62 S	0.15	-24.38
3200.00	1.69	245.25	3198.81	42.70 S	0.19	-24.74
3300.00	1.55	249.22	3298.77	43.79 S	0.18	-25.14
3400.00	1.49	250.88	3398.74	44.70 S	0.07	-25.38
3500.00	1.31	254.55	3498.71	45.43 S	0.20	-25.49
3600.00	1.33	256.68	3598.68	46.00 S	0.05	-25.48
3700.00	1.08	254.33	3698.66	46.52 S	0.25	-25.46
3800.00	1.07	246.68	3798.64	47.15 S	0.14	-25.62
3900.00	0.84	247.06	3898.63	47.80 S	0.23	-25.86
4000.00	0.79	246.62	3998.62	48.36 S	0.05	-26.07
4100.00	0.90	239.91	4098.61	49.03 S	0.15	-26.38
4200.00	0.87	246.15	4198.60	49.73 S	0.10	-26.71
4300.00	0.91	254.21	4298.58	50.25 S	0.13	-26.84
4400.00	0.87	261.26	4398.57	50.58 S	0.12	-26.78
4500.00	0.76	280.37	4498.56	50.58 S	0.29	-26.41
4600.00	0.79	283.83	4598.55	50.29 S	0.05	-25.80
4700.00	0.78	285.32	4698.54	49.95 S	0.02	-25.13
4800.00	0.12	341.83	4798.54	49.67 S	0.72	-24.69
4900.00	0.35	156.40	4898.54	49.85 S	0.47	-24.88

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 234.59 on azimuth 347.51 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 345.26 degrees.

Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ