

OXY USA INC.

Panther Federal No. 1, slot #1
, EDDY CO., NEW MEXICO

SURVEY LISTING

Your ref :
Last revised : 6-Jan-97

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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
2500.00	0.90	67.36	2499.31	6.00 S 53.55 E	0.08	-28.04
2600.00	0.80	58.02	2599.30	5.32 S 54.87 E	0.17	-29.38
2700.00	0.77	39.58	2699.29	4.44 S 55.89 E	0.25	-30.71
2800.00	0.86	33.82	2799.28	3.30 S 56.74 E	0.12	-32.13
2900.00	0.83	27.01	2899.27	2.03 S 57.48 E	0.10	-33.59
3000.00	1.15	15.65	2999.25	0.42 S 58.08 E	0.37	-35.23
3100.00	1.15	13.20	3099.23	1.53 N 58.58 E	0.05	-37.07
3200.00	1.16	7.81	3199.21	3.51 N 58.95 E	0.11	-38.86
3300.00	1.21	7.35	3299.19	5.56 N 59.22 E	0.05	-40.65
3400.00	1.25	2.61	3399.17	7.69 N 59.41 E	0.11	-42.45
3500.00	1.18	5.69	3499.14	9.81 N 59.56 E	0.10	-44.22
3600.00	1.22	0.29	3599.12	11.90 N 59.67 E	0.12	-45.94
3700.00	1.26	3.05	3699.10	14.06 N 59.73 E	0.07	-47.68
3800.00	1.22	2.00	3799.07	16.22 N 59.83 E	0.05	-49.45
3900.00	1.29	0.32	3899.05	18.41 N 59.87 E	0.08	-51.21
4000.00	1.16	6.51	3999.03	20.54 N 59.99 E	0.19	-52.97
4100.00	1.12	4.27	4099.01	22.52 N 60.18 E	0.06	-54.65
4200.00	1.00	2.90	4198.99	24.37 N 60.29 E	0.12	-56.18
4300.00	1.00	2.75	4298.98	26.11 N 60.38 E	0.00	-57.61
4400.00	0.93	357.79	4398.96	27.79 N 60.39 E	0.11	-58.95
4500.00	1.03	354.89	4498.95	29.50 N 60.28 E	0.11	-60.23
4600.00	0.94	350.09	4598.93	31.20 N 60.06 E	0.12	-61.44
4700.00	0.97	349.15	4698.92	32.84 N 59.76 E	0.03	-62.55
4800.00	1.01	353.74	4798.90	34.55 N 59.50 E	0.09	-63.75
4900.00	1.04	350.87	4898.89	36.32 N 59.26 E	0.06	-65.00

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 117.25 on azimuth 317.69 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 217.75 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ