

OXY USA INC.
Oxy Amber Federal No.1

slot #1

Eddy County New Mexico

S U R V E Y L I S T I N G

by

Baker Hughes INTEQ

Your ref : Gyro/MWD
Our ref : svy1246
License :

Date printed : 14-Apr-99
Date created : 8-Feb-99
Last revised : 14-Apr-99

Field is centred on 0.000,0.000,0.00000,N
Structure is centred on n12 50 0.000,w104 10 0.000,0

Slot location is n12 50 0.000,w104 10 0.000
Slot Grid coordinates are N 666918.183, E 551193.090
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866
Reference North is True North

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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
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00
100.00	0.05	49.31	100.00	0.03 N	0.03 E	-0.02
200.00	0.35	77.48	200.00	0.12 N	0.36 E	-0.31
300.00	0.51	121.57	300.00	0.05 S	1.03 E	-1.00
100.00	0.42	102.69	399.99	0.36 S	1.76 E	-1.79
500.00	0.66	95.32	499.99	0.49 S	2.69 E	-2.72
600.00	0.66	103.75	599.98	0.68 S	3.83 E	-3.87
700.00	0.43	88.09	699.98	0.81 S	4.77 E	-4.80
800.00	0.49	79.33	799.97	0.72 S	5.56 E	-5.54
900.00	0.52	78.73	899.97	0.55 S	6.43 E	-6.32
1000.00	0.33	54.57	999.97	0.29 S	7.11 E	-6.90
1100.00	0.09	66.40	1099.97	0.09 S	7.41 E	-7.14
1200.00	0.23	269.47	1199.97	0.07 S	7.28 E	-7.00
1300.00	0.43	254.61	1299.97	0.17 S	6.71 E	-6.49
1400.00	0.45	272.85	1399.96	0.25 S	5.96 E	-5.78
1500.00	0.40	291.75	1499.96	0.10 S	5.24 E	-5.05
1600.00	0.34	330.95	1599.96	0.30 N	4.76 E	-4.49
1700.00	0.46	356.78	1699.96	0.96 N	4.59 E	-4.14
1800.00	0.22	358.36	1799.95	1.55 N	4.57 E	-3.95
1900.00	0.23	4.29	1899.95	1.95 N	4.58 E	-3.84
2000.00	0.21	4.22	1999.95	2.33 N	4.60 E	-3.76
2100.00	0.43	341.92	2099.95	2.87 N	4.50 E	-3.51
2200.00	0.40	353.24	2199.95	3.58 N	4.34 E	-3.16
2300.00	0.09	352.12	2299.95	4.01 N	4.29 E	-2.99
2400.00	0.19	38.73	2399.95	4.22 N	4.38 E	-3.02

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