

OXY USA INC.
 OXY COLT FEDERAL NO.1, slot #1
 , EDDY CO., NEW MEXICO

SURVEY LISTING Page 2
 Your ref : SIDETRACK #2
 Last revised : 6-Jan-98

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	0.57	295.03	2499.80	4.54 N	0.22	-20.25
2600.00	0.53	318.72	2599.79	5.10 N	0.23	-19.74
2700.00	0.45	302.01	2699.79	5.66 N	0.16	-19.35
00.00	0.57	317.37	2799.79	6.23 N	0.18	-18.93
00.00	0.66	322.83	2899.78	7.06 N	0.10	-18.58
3000.00	0.67	330.76	2999.77	8.02 N	0.09	-18.34
3100.00	0.66	337.67	3099.77	9.07 N	0.08	-18.24
3200.00	0.83	341.51	3199.76	10.29 N	0.18	-18.26
3300.00	0.83	348.95	3299.75	11.70 N	0.11	-18.42
3400.00	0.99	349.02	3399.73	13.26 N	0.16	-18.69
3500.00	1.02	348.91	3499.72	14.98 N	0.03	-19.00
3600.00	1.06	351.13	3599.70	16.78 N	0.05	-19.35
3700.00	1.12	343.21	3699.68	18.63 N	0.16	-19.61
3800.00	1.02	332.70	3799.67	20.35 N	0.22	-19.59
3900.00	0.80	329.21	3899.65	21.74 N	0.22	-19.37
4000.00	0.77	334.41	3999.65	22.95 N	0.08	-19.20
4100.00	0.91	343.16	4099.63	24.31 N	0.20	-19.20
4200.00	0.74	331.70	4199.62	25.65 N	0.24	-19.18
00.00	1.09	349.76	4299.61	27.15 N	0.44	-19.27
00.00	0.78	347.84	4399.60	28.75 N	0.31	-19.55
4500.00	0.99	356.04	4499.59	30.28 N	0.25	-19.91
4600.00	1.13	349.82	4599.57	32.12 N	0.18	-20.35
4700.00	1.26	351.26	4699.55	34.18 N	0.13	-20.77
4800.00	1.33	355.90	4799.52	36.42 N	0.13	-21.34
4900.00	1.67	358.47	4899.49	39.04 N	0.35	-22.17

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from rotary table.
 Bottom hole distance is 1157.62 on azimuth 250.24 degrees from wellhead.
 Vertical section is from wellhead on azimuth 249.00 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ