

Scientific Drilling
SURVEY CALCULATION REPORT
ver - 1.27

Company: Oxy Petroleum
Location: Eddy County, N.M.
Field:

Declination: 0.00W
Operator: Scientific Drilling
Time: 10-27-90

Filename: OXYA24

Comments:

Probe #: 0

Section Plane: N 0.00 W

Well no: Simpson A #24

Vertical Section Origin:

North: 0.00 East: 0.00

Depth Units -> FEET

Data Source (D.S.) types : (Manually entered data starts with '*')

CS - CHAMP Singleshot	MS - Magnetic SS	TD - Total Depth
CM - CHAMP Multishot	MM - Magnetic MS	TI - Tiein Point
CC - CHAMP Compensated	MW - M.W.D.	
GS - Gyro Singleshot	PR - Projection	
GM - Gyro Multishot	ST - Steering Tool	

Calculation Method - Minimum Curvature

**** RECORD OF SURVEY ****

Measured Depth	Inc (deg)	Azimuth (deg)	TVD	T O T A L Rec Coordinates		Vertical Section	Dogleg Severity	D.S.
0.0	0.00	N 0.00W	0.0	0.0N	0.0E	0.0	0.00	*TI
100.0	0.13	N 8.20W	100.0	0.1N	0.0W	0.1	0.13	*GM
200.0	0.38	N 12.77E	200.0	0.5N	0.0E	0.5	0.26	*GM
300.0	0.95	N 23.64E	300.0	1.6N	0.4E	1.6	0.58	*GM
400.0	1.34	N 32.38E	400.0	3.4N	1.4E	3.4	0.43	*GM
500.0	1.89	N 28.90E	499.9	5.8N	2.8E	5.8	0.56	*GM
600.0	2.91	N 41.36E	599.8	9.2N	5.3E	9.2	1.14	*GM
700.0	3.31	N 44.29E	699.7	13.1N	9.0E	13.1	0.43	*GM
800.0	3.72	N 40.39E	799.5	17.7N	13.1E	17.7	0.47	*GM
900.0	4.20	N 38.04E	899.3	23.0N	17.5E	23.0	0.51	*GM
1000.0	4.82	N 30.84E	999.0	29.5N	21.9E	29.5	0.84	*GM
1100.0	6.09	N 21.00E	1098.5	38.1N	25.9E	38.1	1.57	*GM
1200.0	6.15	N 14.29E	1197.9	48.2N	29.2E	48.2	0.72	*GM
1300.0	5.87	N 11.28E	1297.4	58.4N	31.5E	58.4	0.42	*GM
1400.0	5.78	N 12.22E	1396.9	68.4N	33.5E	68.4	0.13	*GM
1500.0	6.53	N 9.06E	1496.3	78.9N	35.5E	78.9	0.82	*GM
1600.0	6.35	N 4.98E	1595.7	90.0N	36.9E	90.0	0.49	*GM
1700.0	6.79	N 2.13W	1695.0	101.4N	37.1E	101.4	0.92	*GM
1800.0	8.77	N 9.13W	1794.1	114.9N	35.7E	114.9	2.19	*GM
1900.0	9.95	N 6.69W	1892.8	131.0N	33.5E	131.0	1.24	*GM
2000.0	9.32	N 5.71W	1991.3	147.6N	31.7E	147.6	0.65	*GM
2100.0	8.66	N 1.27W	2090.1	163.2N	30.7E	163.2	0.96	*GM
2200.0	8.40	N 1.79W	2189.0	178.0N	30.3E	178.0	0.27	*GM
2300.0	8.12	N 0.45E	2288.0	192.4N	30.1E	192.4	0.43	*GM
2400.0	6.96	N 0.15W	2387.1	205.5N	30.2E	205.5	1.16	*GM
2500.0	6.03	N 0.47E	2486.5	216.8N	30.2E	216.8	0.93	*GM
2600.0	5.00	N 2.91E	2586.0	226.4N	30.5E	226.4	1.06	*GM
2700.0	4.51	N 0.14W	2685.7	234.7N	30.7E	234.7	0.55	*GM
2800.0	3.56	N 2.63E	2785.4	241.7N	30.8E	241.7	0.97	*GM
2900.0	3.24	N 1.19E	2885.2	247.7N	31.0E	247.7	0.33	*GM