

SCIENTIFIC DRILLING INT'L
SURVEY CALCULATION REPORT
ver - 1.27A

Company: Oxy U.S.A. Inc.
Location: Eddy County, N.M.
Field:
Declination: 10.00E
Operator: Scientific Drilling
Time: Thu Nov 29 02:42:31 1990
Filename: OXYMS2
Comments:

Probe #: 2113
Section Plane: S 42.00 W
Well no: Simpson A #2-2
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.
5100.0	3.70	N 2.81E	5081.8	365.7N	40.3E	-298.7	0.00	*TI
5184.0	2.39	N 83.32W	5165.7	368.6N	38.7E	-299.8	5.08	CM
5277.0	6.05	S 27.22W	5258.5	364.5N	34.5E	-294.0	6.10	CM
5370.0	9.99	S 31.95W	5350.6	353.3N	28.0E	-281.3	4.29	CM
5463.0	11.94	S 33.66W	5441.9	338.4N	18.4E	-263.8	2.12	CM
5556.0	12.84	S 31.24W	5532.7	321.6N	7.7E	-244.1	1.12	CM
5649.0	12.95	S 25.20W	5623.4	303.3N	2.1W	-224.0	1.46	CM
5742.0	14.12	S 23.68W	5713.8	283.5N	11.1W	-203.3	1.31	CM
5835.0	15.73	S 18.16W	5803.6	261.1N	19.6W	-180.9	2.31	CM
5928.0	17.49	S 14.83W	5892.7	235.6N	27.1W	-157.0	2.14	CM
6021.0	18.55	S 13.15W	5981.2	207.7N	34.0W	-131.6	1.27	CM
6114.0	20.03	S 8.66W	6069.0	177.5N	39.8W	-105.3	2.26	CM
6207.0	19.38	S 9.30W	6156.5	146.6N	44.7W	-79.0	0.74	CM
6300.0	19.61	S 11.63W	6244.2	116.1N	50.3W	-52.6	0.87	CM
6393.0	18.42	S 6.24W	6332.1	86.2N	55.0W	-27.2	2.28	CM
6486.0	17.81	S 9.10W	6420.5	57.5N	58.9W	-3.3	1.16	CM
6579.0	16.91	S 6.57W	6509.3	30.0N	62.7W	19.6	1.26	CM
6672.0	16.76	S 6.92W	6598.3	3.3N	65.9W	41.6	0.20	CM
6765.0	15.54	S 4.64W	6687.6	22.4S	68.5W	62.5	1.47	CM
6858.0	14.74	S 5.28W	6777.4	46.6S	70.6W	81.9	0.89	CM
6951.0	14.43	S 14.32W	6867.4	69.6S	74.5W	101.6	2.47	CM
7044.0	15.00	S 27.43W	6957.4	91.6S	82.9W	123.6	3.63	CM
7137.0	16.06	S 34.68W	7047.0	112.8S	95.8W	148.0	2.38	CM
7230.0	17.37	S 43.18W	7136.1	133.5S	112.6W	174.6	2.98	CM
7323.0	17.74	S 49.42W	7224.8	152.9S	132.9W	202.5	2.06	CM
7416.0	17.32	S 53.35W	7313.4	170.4S	154.8W	230.2	1.35	CM
7509.0	16.66	S 52.57W	7402.4	186.7S	176.5W	256.9	0.75	CM
7602.0	15.76	S 51.35W	7491.7	202.7S	196.9W	282.4	1.04	CM
7695.0	14.41	S 50.57W	7581.5	218.0S	215.7W	306.3	1.46	CM
7788.0	13.47	S 47.41W	7671.7	232.6S	232.6W	328.6	1.30	CM