

Scientific Drilling
SURVEY CALCULATION REPORT
ver - 1.27

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AUG 29 1991

Company: Yates Petroleum Corp.

Location: Eddy County, N.M.

Field:

Declination: 0.00W

Operator: Scientific Drilling

Time: 8-9-91

Filename: YATES4

Comments:

Probe #: 0

Section Plane: N 0.00 W

Well no: Wolf AJA Fed. #4

Vertical Section Origin:

North: 0.00 East: 0.00

Depth Units -> FEET

O. C. D.
ARTESIA OFFICE

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	0.22	S 53.60W	100.0	0.1S	0.2W	-0.1	0.22	*GM
200.0	0.20	S 50.07W	200.0	0.3S	0.4W	-0.3	0.02	*GM
300.0	0.31	S 51.82W	300.0	0.6S	0.8W	-0.6	0.11	*GM
400.0	0.30	S 31.62W	400.0	1.0S	1.1W	-1.0	0.11	*GM
500.0	0.27	S 35.42W	500.0	1.4S	1.4W	-1.4	0.04	*GM
600.0	0.44	S 37.86W	600.0	1.9S	1.8W	-1.9	0.17	*GM
700.0	0.70	S 10.00W	700.0	2.8S	2.1W	-2.8	0.37	*GM
800.0	0.76	S 1.29W	800.0	4.1S	2.2W	-4.1	0.13	*GM
900.0	0.92	S 0.40E	900.0	5.6S	2.3W	-5.6	0.16	*GM
1000.0	1.04	S 5.25W	1000.0	7.3S	2.3W	-7.3	0.15	*GM
1100.0	1.12	S 7.46W	1099.9	9.1S	2.5W	-9.1	0.09	*GM
1200.0	1.22	S 3.71W	1199.9	11.2S	2.7W	-11.2	0.13	*GM
1300.0	1.26	S 7.87W	1299.9	13.3S	3.0W	-13.3	0.10	*GM
1400.0	1.17	S 7.48W	1399.9	15.4S	3.2W	-15.4	0.09	*GM
1500.0	1.03	S 7.10E	1499.9	17.3S	3.3W	-17.3	0.31	*GM
1600.0	1.05	S 20.14E	1599.8	19.1S	2.8W	-19.1	0.24	*GM
1700.0	1.02	S 26.22E	1699.8	20.7S	2.1W	-20.7	0.11	*GM
1800.0	1.21	S 23.59E	1799.8	22.5S	1.3W	-22.5	0.20	*GM
1900.0	1.12	S 34.00E	1899.8	24.3S	0.3W	-24.3	0.23	*GM
2000.0	1.12	S 53.85E	1999.8	25.7S	1.0E	-25.7	0.39	*GM
CLOSURE:	Distance	-	25.68					
	Direction	-	S 2.21E					