

Scientific Drilling
SURVEY CALCULATION REPORT
ver - 1.27

Company: Yates Petroleum Corp.	Probe #: 0
Location: Eddy County, N.M.	Section Plane: N 90.00 E
Field:	Well no: Bonneville AKK Fed #2
Declination: 0.00W	Vertical Section Origin:
Operator: Scientific Drilling	North: 0.00 East: 0.00
Time: 5-9-92	
Filename: 065	Depth Units -> FEET

Comments:

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	0.33	N 72.09W	100.0	0.1N	0.3W	-0.3	0.33	*GM
200.0	0.37	N 70.34W	200.0	0.3N	0.9W	-0.9	0.04	*GM
300.0	0.25	N 63.05W	300.0	0.5N	1.4W	-1.4	0.13	*GM
400.0	0.25	N 75.89W	400.0	0.6N	1.8W	-1.8	0.06	*GM
500.0	0.24	N 83.05W	500.0	0.7N	2.2W	-2.2	0.03	*GM
600.0	0.08	N 44.33W	600.0	0.8N	2.4W	-2.4	0.18	*GM
700.0	0.17	S 0.65W	700.0	0.7N	2.5W	-2.5	0.23	*GM
800.0	0.75	S 38.19E	800.0	0.0N	2.1W	-2.1	0.63	*GM
900.0	0.62	S 39.16E	900.0	0.9S	1.3W	-1.3	0.13	*GM
1000.0	0.56	S 45.54E	1000.0	1.7S	0.6W	-0.6	0.09	*GM
1100.0	0.67	S 43.00E	1100.0	2.4S	0.1E	0.1	0.11	*GM
1200.0	0.49	S 38.23E	1200.0	3.2S	0.8E	0.8	0.19	*GM
1300.0	0.44	S 23.37E	1300.0	3.9S	1.2E	1.2	0.13	*GM
1400.0	0.35	S 19.14E	1400.0	4.5S	1.4E	1.4	0.09	*GM
1500.0	0.23	S 14.27E	1500.0	5.0S	1.6E	1.6	0.12	*GM
1600.0	0.06	S 67.01W	1600.0	5.2S	1.6E	1.6	0.23	*GM
1700.0	0.27	N 11.06E	1700.0	5.0S	1.6E	1.6	0.31	*GM
1800.0	0.17	N 30.68E	1800.0	4.6S	1.7E	1.7	0.12	*GM
1900.0	0.40	N 33.82E	1900.0	4.2S	2.0E	2.0	0.23	*GM
2000.0	0.70	N 54.11E	2000.0	3.6S	2.7E	2.7	0.35	*GM
2100.0	1.62	N 49.51E	2099.9	2.3S	4.2E	4.2	0.92	*GM
2200.0	2.28	N 46.00E	2199.9	0.0S	6.7E	6.7	0.67	*GM
2300.0	2.83	N 45.68E	2299.8	3.1N	9.9E	9.9	0.55	*GM
2400.0	3.39	N 44.27E	2399.6	6.9N	13.8E	13.8	0.57	*GM
2500.0	3.99	N 46.00E	2499.4	11.5N	18.3E	18.3	0.61	*GM
2600.0	4.30	N 44.53E	2599.2	16.6N	23.5E	23.5	0.33	*GM
2700.0	4.65	N 46.05E	2698.9	22.0N	29.0E	29.0	0.37	*GM
2800.0	4.30	N 53.16E	2798.5	27.1N	34.9E	34.9	0.66	*GM
2900.0	4.12	N 54.27E	2898.3	31.5N	40.8E	40.8	0.20	*GM