

Scientific Drilling
SURVEY CALCULATION REPORT
ver - 1.27

Company: Yates Petroleum Corp. Probe #: 2118
Location: Eddy County, N.M. Section Plane: N 90.00 E
Field: Well no: Bonneville AKK Fed. #2
Declination: 10.00E Vertical Section Origin:
Operator: Scientific Drilling North: 0.00 East: 0.00
Time: 5-27-92
Filename: 074 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.
4100.0	0.67	N 46.52E	4097.6	53.1N	68.1E	68.1	0.00	*TI
4195.0	1.45	N 31.96E	4192.6	54.5N	69.1E	69.1	0.86	CM
4257.0	2.40	N 62.17E	4254.6	55.7N	70.7E	70.7	2.19	CM
4350.0	6.09	N 87.55E	4347.3	56.9N	77.3E	77.3	4.36	CM
4443.0	8.68	S 85.28E	4439.5	56.5N	89.2E	89.2	2.95	CM
4537.0	10.18	S 85.76E	4532.2	55.3N	104.6E	104.6	1.60	CM
4630.0	11.25	N 89.72E	4623.6	54.7N	121.9E	121.9	1.46	CM
4723.0	12.83	N 85.64E	4714.6	55.6N	141.2E	141.2	1.92	CM
4817.0	13.72	N 82.27E	4806.1	57.9N	162.7E	162.7	1.26	CM
4910.0	13.78	N 83.44E	4896.4	60.6N	184.6E	184.6	0.30	CM
5003.0	13.91	N 82.25E	4986.7	63.4N	206.7E	206.7	0.34	CM
5097.0	15.38	N 78.74E	5077.6	67.3N	230.1E	230.1	1.83	CM
5190.0	16.22	N 78.63E	5167.1	72.3N	254.9E	254.9	0.90	CM
5283.0	17.91	N 78.28E	5256.0	77.8N	281.7E	281.7	1.82	CM
5377.0	19.04	N 76.12E	5345.2	84.4N	310.7E	310.7	1.40	CM
5470.0	19.85	N 75.73E	5432.9	91.8N	340.7E	340.7	0.88	CM
5563.0	21.33	N 75.02E	5519.9	100.2N	372.4E	372.4	1.62	CM
5656.0	22.39	N 75.56E	5606.2	109.0N	405.9E	405.9	1.16	CM
5750.0	23.06	N 74.16E	5693.0	118.5N	440.9E	440.9	0.91	CM
5843.0	24.00	N 72.86E	5778.2	129.0N	476.5E	476.5	1.16	CM
5936.0	24.04	N 72.22E	5863.2	140.4N	512.6E	512.6	0.28	CM
6030.0	22.18	N 73.91E	5949.6	151.1N	547.9E	547.9	2.10	CM
6123.0	17.21	N 83.51E	6037.2	157.6N	578.5E	578.5	6.37	CM
6216.0	14.51	N 87.25E	6126.6	159.7N	603.8E	603.8	3.10	CM
6310.0	12.80	N 87.26E	6218.0	160.7N	626.0E	626.0	1.82	CM
6403.0	11.16	N 89.05E	6308.9	161.4N	645.3E	645.3	1.81	CM
6496.0	10.93	S 89.97E	6400.2	161.5N	663.1E	663.1	0.32	CM
6590.0	8.44	S 87.83E	6492.9	161.3N	678.9E	678.9	2.68	CM
6683.0	7.54	S 89.38E	6585.0	160.9N	691.8E	691.8	0.99	CM
6776.0	6.35	S 88.56E	6677.3	160.7N	703.1E	703.1	1.29	CM