



Job Number:

Company: Yates Petroleum Corp.

Lease/Well: Wells "AVJ" St. #1

Location: Lee, County

Rig Name: Patterson #88

RKB:

G.L. or M.S.L.:

State/Country: New Mexico

Declination:

Grid:

File name: C:\WINSERVE\CLIENTS\CLIENT\YATES\WADASTL

Date/Time: 08-Jan-02 / 14:22

Curve Name:

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 14.98
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Gyro tie in (Gyro Data)									
11100.00	1.58	17.28	11098.30	140.44	68.17	153.29	156.11	25.89	.00
11155.00	1.67	12.94	11153.28	141.95	68.57	154.85	157.64	25.79	.28
11160.00	1.80	15.42	11158.28	142.08	68.61	154.99	157.78	25.78	1.99
Last gyro survey									
11167.00	1.64	14.98	11165.27	142.27	68.66	155.19	157.98	25.76	.60
Totco surveys wirestrapped Azl. from gyro survey									
11305.00	7.00	14.98	11302.83	152.31	71.35	165.58	168.20	25.10	3.88
11340.00	7.75	14.98	11337.54	156.65	72.51	170.07	172.82	24.84	2.14
11368.00	7.75	14.98	11365.29	160.30	73.48	173.85	176.34	24.63	.00
11403.00	7.00	14.98	11400.00	164.84	74.65	178.34	180.77	24.39	2.14
11430.00	6.75	14.98	11426.80	167.76	75.48	181.57	183.98	24.22	.93
11463.00	6.50	14.98	11459.58	171.44	76.47	185.38	187.72	24.04	.76
11495.00	6.00	14.98	11491.39	174.81	77.37	188.86	191.16	23.87	1.56
11578.00	5.25	14.98	11573.89	182.66	78.47	197.00	199.20	23.51	.90
11735.00	5.00	14.98	11730.36	196.21	83.09	211.02	213.08	22.95	.16
11813.00	4.75	14.98	11808.08	202.62	84.81	217.65	219.65	22.71	.32
12127.00	2.75	14.98	12121.39	222.45	90.12	238.19	240.01	22.05	.64
Straight line projection to bit @TD									
12162.00	2.75	14.98	12156.35	224.08	90.55	239.87	241.68	22.00	.00