



Job Number:
Company: Yates Petroleum Corp.
Lease/Well: Arreguy AVP Well #1
Location: Lea County
Rig Name:
RKB:
G.L. or M.S.L.:

State/Country: New Mexico
Declination:
Grid: True North
File name: C:\WINSERVE\SUR\YATES\ARRAVP1.SVY
Date/Time: 06-Feb-01 / 11:03
Curve Name: Proposal

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 329.77
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
Kick-off Point Build 2.5°/100'									
8300.00	.77	69.39	8299.80	9.67	-19.95	18.40	22.17	295.86	.00
8400.00	2.47	346.01	8399.76	12.00	-19.84	20.36	23.19	301.16	2.50
8500.00	4.91	337.04	8499.55	18.03	-22.03	26.67	28.47	309.29	2.50
8600.00	7.39	334.04	8598.97	27.75	-26.52	37.33	38.38	316.30	2.50
8700.00	9.88	332.55	8697.83	41.15	-33.29	52.31	52.93	321.03	2.50
8800.00	12.37	331.65	8795.94	58.19	-42.33	71.59	71.96	323.97	2.50
8900.00	14.87	331.05	8893.12	78.85	-53.63	95.13	95.36	325.78	2.50
9000.00	17.37	330.62	8989.18	103.09	-67.16	122.88	123.04	326.92	2.50
9100.00	19.86	330.30	9083.94	130.86	-82.90	154.80	154.91	327.64	2.50
9200.00	22.36	330.04	9177.22	162.10	-100.82	190.82	190.90	328.12	2.50
End of Build									
9211.95	22.66	330.02	9188.26	166.07	-103.11	195.40	195.47	328.16	2.50
Begin 2.5°/100' Drop									
12060.60	22.66	330.02	11816.99	1116.74	-651.58	1292.93	1292.93	329.74	.00
12160.60	20.16	330.02	11910.08	1148.36	-669.82	1329.43	1329.43	329.76	2.50
12260.60	17.66	330.02	12004.68	1176.43	-686.02	1361.84	1361.84	329.75	2.50
12360.60	15.16	330.02	12100.59	1200.90	-700.14	1390.09	1390.09	329.76	2.50
12460.60	12.66	330.02	12197.65	1221.73	-712.15	1414.13	1414.13	329.76	2.50
12560.60	10.16	330.02	12295.67	1238.86	-722.04	1433.92	1433.92	329.77	2.50
12660.60	7.66	330.02	12394.45	1252.28	-729.78	1449.41	1449.41	329.77	2.50