



Job Number: WTX1299D124
 Company: Yates Petroleum Corp.
 Lease/Well: C. O. Jones #2
 Location: Lea County
 Rig Name: Norton #17
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination: 9 Degrees East
 Grid: True North
 File name: C:\WINSERVE\YATES\COJONES.SVY
 Date/Time: 21-Jan-00 / 22:39
 Curve Name: Directional / Pilot hole

Daily International Inc.
 Midland, Texas

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 89.21
 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
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.50	351.87	100.00	.43	-.06	-.06	.44	351.87	.50
200.00	.38	143.72	200.00	.60	.07	.08	.60	6.96	.85
300.00	1.15	168.17	299.99	-.65	.47	.47	.81	143.98	.82
400.00	.88	151.48	399.97	-2.31	1.05	1.02	2.54	155.61	.40
500.00	1.37	165.13	499.95	-4.14	1.72	1.66	4.48	157.43	.56
600.00	1.05	149.12	599.93	-6.08	2.50	2.41	6.57	157.67	.46
700.00	.77	163.42	699.92	-7.51	3.16	3.06	8.15	157.19	.36
800.00	1.13	176.60	799.90	-9.14	3.41	3.28	9.76	159.54	.42
900.00	.77	144.77	899.89	-10.67	3.86	3.71	11.35	160.14	.63
1000.00	.70	183.22	999.88	-11.83	4.21	4.05	12.56	160.42	.49
1100.00	.75	133.87	1099.88	-12.90	4.65	4.47	13.71	160.18	.61
1200.00	.53	192.77	1199.87	-13.80	5.02	4.83	14.69	160.02	.66
1300.00	.97	157.43	1299.86	-15.04	5.24	5.03	15.92	160.78	.62
1400.00	.40	205.43	1399.86	-16.13	5.42	5.19	17.02	161.44	.76
1500.00	.70	166.45	1499.85	-17.04	5.41	5.18	17.88	162.39	.46
1600.00	.73	206.92	1599.84	-18.20	5.26	5.01	18.95	163.87	.50
1700.00	.37	161.48	1699.84	-19.08	5.08	4.82	19.74	165.09	.54
1800.00	.58	219.45	1799.84	-19.77	4.86	4.59	20.36	166.19	.50
1900.00	.55	154.12	1899.83	-20.60	4.75	4.46	21.14	167.02	.61
2000.00	.83	202.58	1999.83	-21.70	4.68	4.38	22.20	167.83	.62