

October 21, 1997
10:47 am

PathTracker 4.0
Survey Calculation Program
K-JET INC. DIRECTIONAL SERVICES

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Customer: MOBIL E&P
WellName: N.V.A.U. # 278
Location: LEA CO., N.M.

Vertical Section Calculated on: 225.9000
Survey Calculation Method: Minimum Curvature
FileName: C:\PATHTRKR\MOB1.SR3

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f
70	7000.00	1.82	84.23	6999.39	-14.44	55.21	-29.60	0.05
71	7100.00	1.99	82.53	7099.33	-14.06	58.51	-32.24	0.18
72	7200.00	2.02	86.22	7199.27	-13.72	61.99	-34.97	0.13
73	7300.00	1.85	85.48	7299.21	-13.47	65.36	-37.56	0.17
74	7400.00	1.73	88.10	7399.17	-13.29	68.48	-39.92	0.15
75	7500.00	1.71	89.81	7499.12	-13.24	71.48	-42.12	0.06
76	7600.00	1.88	92.00	7599.07	-13.29	74.61	-44.33	0.18
77	7700.00	1.50	89.39	7699.03	-13.34	77.56	-46.42	0.39
78	7800.00	1.51	91.83	7798.99	-13.36	80.18	-48.28	0.06
79	7900.00	1.67	93.24	7898.96	-13.49	82.96	-50.19	0.16
80	8000.00	1.63	91.82	7998.91	-13.62	85.83	-52.16	0.06
81	8100.00	1.53	99.37	8098.88	-13.88	88.57	-53.95	0.23
82	8200.00	1.68	99.89	8198.84	-14.35	91.33	-55.60	0.15
83	8300.00	1.62	103.25	8298.79	-14.92	94.15	-57.23	0.11
84	8335.00	1.49	106.37	8333.78	-15.16	95.07	-57.72	0.44

Closure is 96.2724 Feet on an azimuth of 99.0627