

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:\PATHTRK\RM0B1.SR3

#	Depth Feet	Inc Degrees	Azimuth Degrees	TVD Feet	North Feet	East Feet	Section Feet	Dogleg /100f
35	3500.00	0.33	68.44	3499.91	-8.40	9.51	-0.98	0.12
36	3600.00	0.26	105.21	3599.91	-8.35	10.00	-1.37	0.20
37	3700.00	0.34	102.00	3699.91	-8.47	10.51	-1.65	0.08
38	3800.00	0.16	126.80	3799.91	-8.62	10.91	-1.83	0.21
39	3900.00	0.12	78.75	3899.91	-8.68	11.12	-1.94	0.12
40	4000.00	0.20	112.44	3999.91	-8.73	11.39	-2.10	0.12
41	4100.00	0.18	109.73	4099.91	-8.85	11.70	-2.24	0.02
42	4200.00	0.11	60.34	4199.91	-8.85	11.93	-2.40	0.14
43	4300.00	0.24	151.81	4299.91	-8.99	12.11	-2.44	0.27
44	4400.00	0.22	148.39	4399.91	-9.34	12.31	-2.34	0.02
45	4500.00	0.27	146.78	4499.90	-9.70	12.54	-2.25	0.05
46	4600.00	0.34	154.10	4599.90	-10.16	12.80	-2.12	0.08
47	4700.00	0.38	134.24	4699.90	-10.66	13.16	-2.03	0.13
48	4800.00	0.53	120.75	4799.90	-11.13	13.80	-2.16	0.18
49	4900.00	0.62	113.17	4899.89	-11.58	14.69	-2.49	0.12
50	5000.00	0.69	113.60	4999.89	-12.03	15.74	-2.93	0.07
51	5100.00	0.75	122.26	5099.88	-12.62	16.85	-3.31	0.12
52	5200.00	0.66	124.07	5199.87	-13.30	17.88	-3.59	0.09
53	5300.00	0.73	124.38	5299.86	-13.98	18.88	-3.83	0.07
54	5400.00	0.72	120.83	5399.86	-14.66	19.95	-4.12	0.05
55	5500.00	0.79	119.20	5499.85	-15.32	21.09	-4.48	0.07
56	5600.00	0.72	126.43	5599.84	-16.03	22.20	-4.79	0.12
57	5700.00	0.82	124.39	5699.83	-16.80	23.29	-5.03	0.10
58	5800.00	0.93	126.57	5799.82	-17.69	24.53	-5.31	0.11
59	5900.00	0.96	119.30	5899.80	-18.59	25.92	-5.68	0.12
60	6000.00	1.24	91.63	5999.79	-19.03	27.73	-6.67	0.59
61	6100.00	1.26	82.80	6099.76	-18.92	29.90	-8.31	0.19
62	6200.00	1.36	74.92	6199.74	-18.47	32.14	-10.22	0.21
63	6300.00	1.45	75.50	6299.71	-17.85	34.51	-12.36	0.09
64	6400.00	1.56	72.39	6399.67	-17.12	37.03	-14.68	0.14
65	6500.00	1.78	79.34	6499.63	-16.42	39.85	-17.19	0.30
66	6600.00	1.78	77.14	6599.58	-15.79	42.90	-19.82	0.07
67	6700.00	1.68	81.89	6699.54	-15.23	45.86	-22.33	0.17
68	6800.00	1.81	86.59	6799.49	-14.93	48.89	-24.72	0.19
69	6900.00	1.82	85.71	6899.44	-14.72	52.05	-27.13	0.03