



Job Number: 03217

Company: Devon Energy Corp.

Lease/Well: NEBU #12M

Location: San Juan County, Sec 18-30N-7W

Rig Name: D & J #1

RKB: □

G.L. or M.S.L.: 6272'

State/Country: New Mexico / USA

Declination: 10.92° East

Grid: □

File name: C:\WINSERVE\03217.SVY

Date/Time: 02-Jan-04 / 16:27

Curve Name: As Drilled

30-045-32190

Surface 2360/S 1495/W
BHL 948/S 1248/E

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 131.35
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
354.00	2.60	128.00	353.88	8.02	-4.94	6.33	8.03	128.00	.73
446.00	6.00	125.00	445.61	14.88	-8.99	11.91	14.92	127.03	3.70
539.00	7.70	131.40	537.94	25.94	-15.90	20.57	26.00	127.70	2.00
632.00	10.30	132.10	629.79	40.49	-25.59	31.41	40.52	129.17	2.80
728.00	14.20	129.10	723.58	60.84	-38.78	46.92	60.87	129.57	4.11
823.00	17.50	131.20	814.96	86.78	-55.54	66.72	86.81	129.77	3.53
917.00	20.80	130.30	903.75	117.61	-75.65	90.09	117.64	130.02	3.52
1012.00	24.40	130.10	991.44	154.10	-99.21	117.97	154.14	130.06	3.79
1107.00	29.50	132.40	1076.10	197.14	-127.64	150.28	197.17	130.34	5.48
1202.00	32.60	133.70	1157.47	246.10	-161.10	186.06	246.11	130.89	3.34
1294.00	35.50	130.30	1233.70	297.59	-195.51	224.36	297.59	131.07	3.77
1389.00	36.70	130.10	1310.46	353.55	-231.64	267.12	353.56	130.93	1.27
1483.00	37.00	130.00	1385.68	409.91	-267.91	310.27	409.93	130.81	.33
1576.00	36.70	128.70	1460.10	465.65	-303.27	353.39	465.69	130.64	.90
1669.00	36.10	128.90	1534.95	520.78	-337.85	396.40	520.85	130.44	.66
1764.00	37.60	130.70	1610.97	577.73	-374.33	440.16	577.81	130.38	1.95
1858.00	37.80	132.80	1685.35	635.20	-412.60	483.04	635.27	130.50	1.38
1953.00	37.50	133.00	1760.57	693.21	-452.11	525.55	693.26	130.70	.34
2047.00	37.00	131.20	1835.39	750.10	-490.25	567.76	750.13	130.81	1.28
2141.00	37.50	132.10	1910.22	806.99	-528.07	610.27	807.02	130.87	.79
2235.00	36.70	130.70	1985.19	863.69	-565.57	652.80	863.72	130.90	1.24

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2329.00	36.70	131.90	2060.56	919.87	-602.64	695.00	919.89	130.93	.76
2424.00	36.40	131.50	2136.88	976.44	-640.28	737.24	976.46	130.97	.40
2519.00	37.90	132.20	2212.59	1033.81	-678.56	779.97	1033.82	131.02	1.64
2613.00	36.90	131.00	2287.27	1090.90	-716.47	822.66	1090.91	131.05	1.32
2708.00	37.30	131.70	2363.04	1148.20	-754.32	865.67	1148.21	131.07	.61
2803.00	37.30	131.00	2438.61	1205.77	-792.36	908.89	1205.78	131.08	.45
2897.00	37.40	130.30	2513.34	1262.79	-829.51	952.15	1262.81	131.06	.46
2992.00	37.60	131.00	2588.70	1320.62	-867.18	996.03	1320.64	131.04	.50
3084.00	35.40	133.30	2662.66	1375.32	-903.88	1036.61	1375.34	131.09	2.82
3179.00	35.70	131.70	2739.95	1430.54	-941.19	1077.33	1430.55	131.14	1.03
3274.00	36.20	133.70	2816.86	1486.29	-979.01	1118.31	1486.30	131.20	1.34
3367.00	35.40	133.50	2892.29	1540.65	-1016.53	1157.71	1540.65	131.28	.87
3461.00	33.30	135.10	2969.89	1593.61	-1053.55	1195.68	1593.62	131.38	2.43
3556.00	31.00	139.30	3050.33	1643.88	-1090.58	1230.05	1643.89	131.56	3.37
3651.00	31.00	134.40	3131.77	1692.55	-1126.25	1263.48	1692.58	131.71	2.66
3743.00	33.20	126.10	3209.74	1741.32	-1157.68	1300.79	1741.34	131.67	5.35
3837.00	35.70	129.40	3287.26	1794.37	-1190.26	1342.78	1794.38	131.55	3.32
3929.00	35.90	130.80	3361.88	1848.17	-1224.93	1383.95	1848.18	131.51	.92
4023.00	29.80	134.40	3440.82	1899.10	-1259.31	1421.54	1899.11	131.54	6.81
4118.00	27.80	132.20	3524.06	1944.83	-1290.72	1454.82	1944.85	131.58	2.38
4210.00	25.40	129.80	3606.32	1986.02	-1317.76	1485.87	1986.03	131.57	2.86
4304.00	21.00	132.10	3692.70	2023.03	-1341.97	1513.88	2023.04	131.56	4.78
4399.00	16.60	132.40	3782.61	2053.63	-1362.54	1536.54	2053.65	131.57	4.63
4492.00	12.60	138.20	3872.59	2077.00	-1379.07	1553.12	2077.02	131.60	4.57
Projection									
4586.00	9.60	140.00	3964.83	2094.93	-1392.72	1564.99	2094.96	131.67	3.21
Projection									
4680.00	6.60	140.00	4057.88	2108.02	-1402.87	1573.50	2108.07	131.72	3.19
Projection									
4774.00	3.60	140.00	4151.49	2116.28	-1409.27	1578.87	2116.34	131.75	3.19
Projection									
4868.00	.60	140.00	4245.42	2119.69	-1411.90	1581.09	2119.74	131.76	3.19