



Job Number: 04183

Company: Devon Energy Production Co.

Lease/Well: NEBU #436A

Location: San Juan County, Sec. 19-31N-6W

Rig Name: D&J #1

RKB:

G.L. or M.S.L.: 6396'

State/Country: New Mexico / USA

Declination: 10.88°

Grid:

File name: C:\CUST04\SURVEYS\DEVON\04183.SVY

Date/Time: 09-Aug-04 / 08:07

Curve Name: As Drilled

Surface: 1750/N 1290/W
BHL 1301/N 1288/W

30-045-32321

WINERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
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	CLOSURE Distance FT	CLOSURE Direction Deg	N-S FT	E-W FT	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
306.00	.40	165.90	306.00	-1.04	1.07	165.90	-1.04	.26	.13
393.00	1.80	1.50	392.99	.04	.37	84.51	.04	.37	2.51
483.00	5.40	357.40	482.79	5.68	5.68	2.17	5.68	.21	4.01
575.00	7.50	.00	574.21	16.01	16.01	.07	16.01	.02	2.30
667.00	10.60	357.80	665.05	30.47	30.48	359.42	30.47	-.31	3.39
760.00	11.40	.90	756.34	48.21	48.21	359.42	48.21	-.49	1.07
853.00	11.50	1.20	847.49	66.67	66.67	359.87	66.67	-.15	.13
947.00	11.70	358.50	939.57	85.57	85.57	359.86	85.57	-.21	.62
1040.00	12.10	.00	1030.57	104.74	104.74	359.75	104.74	-.45	.54
1132.00	11.60	.10	1120.61	123.63	123.63	359.80	123.63	-.44	.54
1226.00	10.70	359.60	1212.84	141.81	141.81	359.81	141.81	-.48	.96
1319.00	11.30	359.10	1304.13	159.55	159.55	359.75	159.55	-.68	.65
1412.00	10.70	356.10	1395.42	177.28	177.28	359.54	177.28	-1.41	.89
1504.00	10.60	358.10	1485.83	194.26	194.27	359.33	194.26	-2.28	.42
1597.00	10.90	358.10	1577.20	211.59	211.61	359.23	211.59	-2.85	.32
1690.00	11.00	359.80	1668.51	229.25	229.28	359.21	229.25	-3.17	.36
1782.00	11.00	.80	1758.82	246.81	246.83	359.28	246.81	-3.08	.21
1875.00	11.60	1.70	1850.02	265.03	265.04	359.42	265.03	-2.68	.67
1969.00	11.20	1.80	1942.16	283.60	283.60	359.57	283.60	-2.11	.43
2061.00	11.80	1.70	2032.31	301.93	301.93	359.71	301.93	-1.55	.65
2151.00	11.80	.70	2120.41	320.33	320.33	359.79	320.33	-1.17	.23
2248.00	12.20	.80	2215.29	340.49	340.50	359.85	340.49	-.90	.41
2340.00	11.60	.60	2305.31	359.46	359.46	359.89	359.46	-.67	.65
2434.00	11.50	.70	2397.41	378.28	378.28	359.93	378.28	-.46	.11
2527.00	11.80	359.80	2488.50	397.06	397.06	359.95	397.06	-.38	.38

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	C L O S U R E		N-S FT	E-W FT	Dogleg Severity Deg/100
2622.00	10.20	.10	2581.75	415.19	415.19	359.95	415.19	-.40	1.69
2714.00	7.10	355.00	2672.69	429.00	429.00	359.88	429.00	-.88	3.47
2806.00	5.00	356.90	2764.17	438.67	438.67	359.79	438.67	-1.59	2.29
2901.00	2.80	356.80	2858.95	445.12	445.13	359.75	445.12	-1.94	2.32
2993.00	1.10	19.10	2950.89	448.20	448.20	359.77	448.20	-1.78	1.99

Last Survey @ 3049'

3049.00	.30	21.00	3006.89	448.85	448.85	359.80	448.85	-1.55	1.43
---------	-----	-------	---------	--------	--------	--------	--------	-------	------