

Job Number: 03184

State/Country: New Mexico / USA

Company: Devon Energy Production Co.

Declination: 10.95° East

Lease/Well: NEBU #464A

Grid:

Location: San Juan County Sec. 10-31N-7W

File name: C:\CUST03\SURVEY\DEVON\03184.SVY

Rig Name: BJ Rig #1

Date/Time: 09-Jul-03 / 08:15

RKB:

Curve Name: As Drilled

G.L. or M.S.L.:



32-045-31363

Surface 1120/5 980/E

BHL 997/5 1642/E

INWELL INC.
DIRECTIONAL DRILLING SERVICES
HOUSTON, TEXAS
281-397-7614
888-397-7614

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 259.85
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
326.00	.00	.00	326.00	.00	.00	.00	.00	.00	.00
411.00	2.00	263.60	410.98	1.48	-1.17	-1.47	1.48	263.60	2.35
503.00	7.20	259.40	502.66	8.85	-1.41	-8.74	8.85	260.86	5.66
598.00	11.30	257.70	596.40	24.11	-4.48	-23.69	24.11	259.28	4.32
693.00	14.50	258.40	688.99	45.31	-8.86	-44.44	45.32	258.73	3.37
785.00	16.40	261.50	777.66	69.81	-13.10	-68.57	69.81	259.19	2.25
849.00	16.40	260.50	839.06	87.87	-15.92	-86.42	87.87	259.56	.44
943.00	16.30	259.80	929.26	114.33	-20.45	-112.49	114.33	259.70	.24
1037.00	16.30	260.10	1019.48	140.72	-25.05	-138.47	140.72	259.74	.09
1129.00	16.00	259.80	1107.85	166.31	-29.52	-163.67	166.31	259.78	.34
1223.00	15.80	260.10	1198.25	192.06	-34.01	-189.02	192.06	259.80	.23
1318.00	15.60	257.70	1289.71	217.76	-38.96	-214.24	217.76	259.69	.72
1413.00	15.00	257.30	1381.34	242.80	-44.38	-238.72	242.81	259.47	.64
1509.00	16.70	258.00	1473.69	269.00	-49.98	-264.33	269.01	259.29	1.78
1603.00	16.40	256.60	1563.79	295.75	-55.86	-290.45	295.77	259.11	.53
1728.00	16.30	256.30	1683.74	330.88	-64.11	-324.66	330.93	258.83	.10
1822.00	17.00	258.70	1773.80	357.78	-69.93	-350.95	357.85	258.73	1.04
1917.00	17.10	259.10	1864.62	385.63	-75.29	-378.28	385.70	258.74	.16
2011.00	16.70	258.40	1954.56	412.95	-80.62	-405.09	413.03	258.74	.48
2106.00	16.90	258.40	2045.51	440.40	-86.14	-431.98	440.49	258.72	.21
2200.00	16.40	258.70	2135.57	467.33	-91.49	-458.38	467.42	258.71	.54

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2294.00	16.40	258.70	2225.74	493.86	-96.69	-484.40	493.96	258.71	.00
2388.00	15.60	258.00	2316.10	519.76	-101.91	-509.78	519.87	258.69	.88
2482.00	15.20	258.40	2406.73	544.71	-107.02	-534.22	544.83	258.67	.44
2577.00	16.60	260.50	2498.09	570.74	-111.76	-559.80	570.85	258.71	1.59
2672.00	16.90	259.60	2589.06	598.11	-116.50	-586.77	598.22	258.77	.42
2767.00	14.30	262.90	2680.55	623.64	-120.44	-612.00	623.73	258.87	2.89
2861.00	11.10	267.90	2772.25	644.20	-122.21	-632.56	644.26	259.07	3.60
2955.00	7.50	268.20	2864.99	659.23	-122.73	-647.74	659.27	259.27	3.83
3050.00	4.00	269.30	2959.50	668.64	-122.97	-657.26	668.66	259.40	3.69
3143.00	.70	268.90	3052.41	672.40	-123.02	-661.07	672.42	259.46	3.55
3175.00	.30	294.60	3084.41	672.66	-122.99	-661.34	672.68	259.47	1.40
Projected to TD									
3256.00	.30	294.60	3165.41	673.01	-122.81	-661.73	673.03	259.49	.00