



Job Number: 05243
 Company: Devon Energy
 Lease/Well: NEBU 340
 Location: San Juan County
 Rig Name: |
 RKB: |
 G.L. or M.S.L.: 6429

State/Country: NM
 Declination: |
 Grid: |
 File name: C:\DATA\CUST05\SURVEYS\TEMP\05243.SVY
 Date/Time: 19-Dec-05 / 07:54
 Curve Name: As Drilled

Surface 65/5 2480/E sec 30
 BHL 615/N 1775/E sec 31 INWELL INC

30-045-33212 30, 31N, 7W



WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

HOLD C104 FOR NSL in Basin Dakota

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
296.00	.70	82.60	295.99	.23	.23	1.79	1.81	82.60	.24
357.00	1.80	119.40	356.98	-.19	-.19	3.00	3.00	93.62	2.15
449.00	5.40	131.10	448.78	-3.75	-3.75	7.52	8.40	116.48	3.97
538.00	8.20	135.90	537.15	-11.06	-11.06	15.09	18.71	126.23	3.21
631.00	11.90	135.80	628.71	-22.70	-22.70	26.40	34.82	130.69	3.98
727.00	14.80	134.30	722.10	-38.36	-38.36	42.08	56.94	132.36	3.04
821.00	17.10	135.70	812.48	-56.64	-56.64	60.32	82.75	133.20	2.48
915.00	18.50	134.20	901.98	-76.93	-76.93	80.67	111.47	133.64	1.57
1009.00	18.30	134.60	991.17	-97.69	-97.69	101.87	141.14	133.80	.25
1101.00	18.80	134.10	1078.39	-118.15	-118.15	122.80	170.41	133.89	.57
1195.00	19.40	133.50	1167.21	-139.43	-139.43	145.00	201.16	133.88	.67
1290.00	18.20	135.50	1257.15	-160.88	-160.88	166.84	231.77	133.96	1.43
1384.00	18.30	134.90	1346.42	-181.76	-181.76	187.59	261.20	134.10	.23
1477.00	18.20	134.10	1434.74	-202.18	-202.18	208.36	290.33	134.14	.29
1570.00	18.10	133.60	1523.11	-222.25	-222.25	229.25	319.30	134.11	.20
1663.00	18.20	133.00	1611.48	-242.12	-242.12	250.33	348.26	134.04	.23
1757.00	18.00	134.80	1700.83	-262.36	-262.36	271.38	377.46	134.03	.63
1851.00	18.10	134.60	1790.21	-282.85	-282.85	292.08	406.59	134.08	.13
1945.00	19.00	134.20	1879.32	-303.77	-303.77	313.45	436.49	134.10	.97
2038.00	17.80	134.30	1967.57	-324.25	-324.25	334.47	465.84	134.11	1.29
2130.00	17.50	133.30	2055.24	-343.56	-343.56	354.60	493.74	134.09	.46
2223.00	17.00	134.70	2144.05	-362.71	-362.71	374.44	521.31	134.09	.70
2316.00	17.50	134.30	2232.87	-382.04	-382.04	394.12	548.89	134.11	.55
2408.00	18.90	134.20	2320.27	-402.09	-402.09	414.70	577.63	134.12	1.52

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	
2503.00	19.20	133.80	2410.06	-423.63	-423.63	437.00	608.63	134.11	.34
2595.00	19.50	133.10	2496.87	-444.59	-444.59	459.13	639.11	134.08	.41
2689.00	18.70	134.30	2585.69	-465.84	-465.84	481.37	669.87	134.06	.95
2781.00	18.60	134.80	2672.86	-486.48	-486.48	502.34	699.29	134.08	.20
2874.00	18.60	135.00	2761.00	-507.41	-507.41	523.35	728.95	134.11	.07
2969.00	18.10	135.60	2851.17	-528.67	-528.67	544.39	758.85	134.16	.56
3063.00	17.20	133.10	2940.75	-548.60	-548.60	564.76	787.34	134.17	1.25
3156.00	17.00	134.00	3029.64	-567.44	-567.44	584.58	814.69	134.15	.36
3248.00	16.70	135.90	3117.69	-586.27	-586.27	603.45	841.35	134.17	.68
3343.00	15.30	135.20	3209.00	-604.97	-604.97	621.78	867.53	134.21	1.49
3400.00	15.04	130.27	3264.02	-615.09	-615.09	632.72	882.42	134.19	2.31
3500.00	14.06	130.99	3360.81	-631.44	-631.44	651.79	907.50	134.09	1.00
3600.00	12.52	131.20	3458.13	-646.55	-646.55	669.12	930.46	134.02	1.54
3653.00	11.34	132.70	3509.99	-653.87	-653.87	677.27	941.40	133.99	2.30
3753.00	8.34	132.83	3608.50	-665.47	-665.47	689.82	958.49	133.97	3.00
3853.00	5.34	132.83	3707.78	-673.57	-673.57	698.55	970.39	133.96	3.00
3953.00	2.34	132.83	3807.54	-678.12	-678.12	703.46	977.09	133.95	3.00
4053.00	.00	132.83	3907.52	-679.51	-679.51	704.96	979.13	133.95	2.34
4153.00	.00	132.83	4007.52	-679.51	-679.51	704.96	979.13	133.95	.00
4253.00	.00	132.83	4107.52	-679.51	-679.51	704.96	979.13	133.95	.00
4353.00	.00	132.83	4207.52	-679.51	-679.51	704.96	979.13	133.95	.00
4453.00	.00	132.83	4307.52	-679.51	-679.51	704.96	979.13	133.95	.00
4553.00	.00	132.83	4407.52	-679.51	-679.51	704.96	979.13	133.95	.00
4653.00	.00	132.83	4507.52	-679.51	-679.51	704.96	979.13	133.95	.00
4753.00	.00	132.83	4607.52	-679.51	-679.51	704.96	979.13	133.95	.00
4853.00	.00	132.83	4707.52	-679.51	-679.51	704.96	979.13	133.95	.00
4953.00	.00	132.83	4807.52	-679.51	-679.51	704.96	979.13	133.95	.00
5053.00	.00	132.83	4907.52	-679.51	-679.51	704.96	979.13	133.95	.00
5153.00	.00	132.83	5007.52	-679.51	-679.51	704.96	979.13	133.95	.00
5253.00	.00	132.83	5107.52	-679.51	-679.51	704.96	979.13	133.95	.00
5353.00	.00	132.83	5207.52	-679.51	-679.51	704.96	979.13	133.95	.00
5453.00	.00	132.83	5307.52	-679.51	-679.51	704.96	979.13	133.95	.00
5553.00	.00	132.83	5407.52	-679.51	-679.51	704.96	979.13	133.95	.00
5653.00	.00	132.83	5507.52	-679.51	-679.51	704.96	979.13	133.95	.00
5753.00	.00	132.83	5607.52	-679.51	-679.51	704.96	979.13	133.95	.00
5853.00	.00	132.83	5707.52	-679.51	-679.51	704.96	979.13	133.95	.00
5953.00	.00	132.83	5807.52	-679.51	-679.51	704.96	979.13	133.95	.00
6053.00	.00	132.83	5907.52	-679.51	-679.51	704.96	979.13	133.95	.00
6153.00	.00	132.83	6007.52	-679.51	-679.51	704.96	979.13	133.95	.00
6253.00	.00	132.83	6107.52	-679.51	-679.51	704.96	979.13	133.95	.00
6353.00	.00	132.83	6207.52	-679.51	-679.51	704.96	979.13	133.95	.00
6453.00	.00	132.83	6307.52	-679.51	-679.51	704.96	979.13	133.95	.00
6553.00	.00	132.83	6407.52	-679.51	-679.51	704.96	979.13	133.95	.00
6653.00	.00	132.83	6507.52	-679.51	-679.51	704.96	979.13	133.95	.00
6753.00	.00	132.83	6607.52	-679.51	-679.51	704.96	979.13	133.95	.00

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	
6853.00	.00	132.83	6707.52	-679.51	-679.51	704.96	979.13	133.95	.00
6953.00	.00	132.83	6807.52	-679.51	-679.51	704.96	979.13	133.95	.00
7053.00	.00	132.83	6907.52	-679.51	-679.51	704.96	979.13	133.95	.00
7153.00	.00	132.83	7007.52	-679.51	-679.51	704.96	979.13	133.95	.00
7253.00	.00	132.83	7107.52	-679.51	-679.51	704.96	979.13	133.95	.00
7353.00	.00	132.83	7207.52	-679.51	-679.51	704.96	979.13	133.95	.00
7453.00	.00	132.83	7307.52	-679.51	-679.51	704.96	979.13	133.95	.00
7553.00	.00	132.83	7407.52	-679.51	-679.51	704.96	979.13	133.95	.00
7653.00	.00	132.83	7507.52	-679.51	-679.51	704.96	979.13	133.95	.00
7753.00	.00	132.83	7607.52	-679.51	-679.51	704.96	979.13	133.95	.00
7853.00	.00	132.83	7707.52	-679.51	-679.51	704.96	979.13	133.95	.00
7953.00	.00	132.83	7807.52	-679.51	-679.51	704.96	979.13	133.95	.00
8053.00	.00	132.83	7907.52	-679.51	-679.51	704.96	979.13	133.95	.00
8153.00	.00	132.83	8007.52	-679.51	-679.51	704.96	979.13	133.95	.00
Projected to TD									
8254.50	.00	132.83	8109.02	-679.51	-679.51	704.96	979.13	133.95	.00

Company: Devon Energy
 Lease/Well: NEBU 340
 Location: San Juan County
 State/Country: NM

