



Job Number: |
 Company: Devon Energy
 Lease/Well: NEBU 401A
 Location: Rio Arriba County
 Rig Name: |
 RKB: |
 G.L. or M.S.L.: |

State/Country: New Mexico
 Declination: |
 Grid: |
 File name: C:\DATA\CUST06\SURVEYS\TEMP\05240.SVY
 Date/Time: 23-Jan-06 / 08:58
 Curve Name: As Drilled

30-039-29594

SURF: 1795/N 1800/W
 B/H/L 660/N 1601/W

INWELL INC

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 350.01
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Received
 OGD
 4-10-06

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	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
296.00	.60	7.20	295.99	1.48	1.54	.19	1.55	7.20	.20
386.00	2.60	348.30	385.96	3.97	4.00	-.16	4.01	357.70	2.27
476.00	6.80	345.40	475.63	11.33	11.16	-1.92	11.33	350.25	4.67
566.00	11.30	347.80	564.49	25.46	24.94	-5.13	25.47	348.39	5.02
659.00	15.90	350.50	654.86	47.31	46.43	-9.16	47.32	348.84	4.99
756.00	20.50	351.90	746.98	77.59	76.36	-13.75	77.59	349.80	4.76
849.00	25.40	351.30	832.59	113.83	112.22	-19.06	113.83	350.36	5.27
944.00	30.60	351.50	916.45	158.40	156.31	-25.72	158.41	350.66	5.47
1035.00	33.80	350.20	993.44	206.88	204.17	-33.45	206.89	350.69	3.60
1131.00	34.30	349.80	1072.98	260.63	257.10	-42.79	260.64	350.55	.57
1225.00	34.20	349.10	1150.68	313.53	309.11	-52.48	313.53	350.37	.43
1319.00	33.50	350.10	1228.75	365.89	360.61	-61.93	365.89	350.26	.95
1413.00	34.60	349.60	1306.63	418.52	412.42	-71.21	418.52	350.20	1.21
1505.00	35.00	348.60	1382.18	471.01	463.97	-81.14	471.01	350.08	.76
1597.00	34.60	350.30	1457.72	523.51	515.59	-90.76	523.51	350.02	1.14
1689.00	34.60	349.50	1533.45	575.75	567.02	-99.92	575.75	350.01	.49
1783.00	34.90	351.50	1610.69	629.32	619.86	-108.76	629.32	350.05	1.25
1877.00	34.40	350.80	1688.02	682.76	672.66	-116.98	682.76	350.13	.68
1972.00	34.40	350.50	1766.40	736.43	725.62	-125.70	736.43	350.17	.18
2067.00	33.70	349.30	1845.12	789.61	777.99	-135.02	789.62	350.15	1.02
2162.00	35.10	350.00	1923.50	843.28	830.79	-144.66	843.29	350.12	1.53
2253.00	35.30	349.90	1997.86	895.74	882.44	-153.81	895.74	350.11	.23
2345.00	34.30	350.50	2073.41	948.24	934.17	-162.75	948.24	350.12	1.15
2438.00	30.30	351.40	2152.00	997.92	983.24	-170.59	997.92	350.16	4.33

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	
2532.00	26.30	350.60	2234.75	1042.47	1027.24	-177.54	1042.47	350.19	4.27
2624.00	21.10	351.60	2318.96	1079.43	1063.76	-183.29	1079.43	350.22	5.67
2718.00	15.20	348.90	2408.25	1108.69	1092.62	-188.14	1108.70	350.23	6.34
2811.00	9.80	346.90	2499.01	1128.79	1112.30	-192.28	1128.80	350.19	5.82
2905.00	6.20	334.90	2592.08	1141.69	1124.70	-196.25	1141.69	350.10	4.20
2999.00	3.30	344.50	2685.75	1149.28	1131.90	-199.13	1149.28	350.02	3.19
3092.00	.70	45.00	2778.69	1152.27	1134.88	-199.44	1152.27	350.03	3.24
3175.00	.50	56.60	2861.69	1152.71	1135.44	-198.78	1152.71	350.07	.28
Projected to TD									
3210.00	.40	56.60	2896.69	1152.82	1135.59	-198.55	1152.82	350.08	.29

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