



Job Number: 06208
Company: Devon Energy
Lease/Well: NEBU 13 M
Location: Rio Arriba County
Rig Name: ☐
RKB: ☐
G.L. or M.S.L.: ☐

State/Country: NM
Declination: ☐
Grid: ☐
File name: C:\DATA\CUST06\SURVEYS\DEVON\06209.SVY
Date/Time: 20-Nov-06 / 10:28
Curve Name: As Drilled

30-039-29748

Inwell Inc.

Surface 1245/N 236/W
Int. BHL 684/N 674/W

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 288.28
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

HOLD FORM FOR BHL deviation

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
302.00	.90	351.80	301.99	1.06	2.35	-.34	2.37	351.80	.30
392.00	2.00	323.90	391.96	2.65	4.32	-1.36	4.53	342.46	1.42
483.00	4.50	311.60	482.81	7.22	7.97	-4.97	9.39	328.05	2.84
576.00	8.30	305.60	575.21	16.98	14.30	-13.16	19.44	317.38	4.14
671.00	12.40	299.20	668.65	33.55	23.27	-27.65	36.14	310.09	4.48
765.00	16.10	290.80	759.75	56.49	32.83	-48.65	58.69	304.01	4.50
858.00	19.30	287.40	848.34	84.75	42.01	-75.38	86.29	299.13	3.61
949.00	23.40	287.80	933.07	117.87	52.03	-106.95	118.93	295.94	4.51
1043.00	28.00	286.80	1017.75	158.62	64.12	-145.86	159.34	293.73	4.92
1136.00	31.60	286.60	1098.44	204.81	77.40	-190.13	205.28	292.15	3.87
1228.00	35.00	286.90	1175.33	255.29	91.96	-238.48	255.60	291.09	3.70
1322.00	36.70	286.80	1251.51	310.33	107.92	-291.17	310.53	290.34	1.81
1415.00	37.00	286.10	1325.93	366.07	123.71	-344.66	366.19	289.74	.55
1509.00	37.10	286.10	1400.96	422.67	139.41	-399.08	422.73	289.26	.11
1603.00	37.00	286.20	1475.98	479.26	155.17	-453.48	479.29	288.89	.12
1697.00	36.60	286.60	1551.25	535.54	171.06	-507.50	535.55	288.63	.50
1791.00	36.00	288.40	1627.01	591.18	187.79	-560.57	591.18	288.52	1.30
1884.00	36.30	288.60	1702.10	646.04	205.20	-612.59	646.05	288.52	.35
1976.00	36.00	288.80	1776.39	700.31	222.60	-664.00	700.32	288.53	.35
2070.00	36.60	288.80	1852.15	755.96	240.53	-716.68	755.96	288.55	.64
2163.00	36.90	287.80	1926.66	811.60	258.00	-769.51	811.61	288.54	.72
2256.00	37.00	288.10	2000.99	867.50	275.23	-822.69	867.51	288.50	.22
2350.00	37.10	288.10	2076.01	924.14	292.83	-876.52	924.14	288.47	.11
2445.00	36.30	289.10	2152.18	980.91	310.93	-930.33	980.91	288.48	1.05

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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	
2537.00	36.80	288.30	2226.08	1035.69	328.49	-982.23	1035.70	288.49	.75
2630.00	37.50	288.30	2300.21	1091.86	346.13	-1035.55	1091.86	288.48	.75
2722.00	37.20	287.20	2373.35	1147.67	363.15	-1088.70	1147.67	288.45	.80
2816.00	36.60	287.10	2448.52	1204.10	379.79	-1142.63	1204.10	288.39	.64
2909.00	36.80	287.60	2523.08	1259.67	396.36	-1195.68	1259.67	288.34	.39
3002.00	36.10	289.10	2597.89	1314.92	413.75	-1248.12	1314.92	288.34	1.22
3096.00	36.00	288.30	2673.89	1370.23	431.49	-1300.52	1370.23	288.35	.51
3190.00	32.50	289.30	2751.58	1423.12	448.51	-1350.60	1423.13	288.37	3.77
3282.00	30.20	289.10	2830.14	1470.98	464.26	-1395.80	1470.98	288.40	2.50
3376.00	27.10	289.80	2912.62	1516.03	479.25	-1438.29	1516.04	288.43	3.32
3470.00	23.60	289.90	2997.56	1556.26	492.91	-1476.14	1556.26	288.47	3.72
3563.00	20.50	287.40	3083.75	1591.16	504.12	-1509.20	1591.17	288.47	3.48
3654.00	17.10	286.60	3169.88	1620.47	512.71	-1537.23	1620.48	288.44	3.75
3746.00	15.50	290.30	3258.18	1646.28	520.84	-1561.73	1646.29	288.44	2.07
3778.00	15.80	291.00	3288.99	1654.90	523.88	-1569.80	1654.91	288.46	1.11
3839.00	16.00	288.60	3347.66	1671.61	529.54	-1585.52	1671.62	288.47	1.13
3905.00	15.50	288.80	3411.18	1689.52	535.28	-1602.49	1689.53	288.47	.76
3954.00	15.10	288.90	3458.45	1702.45	539.46	-1614.73	1702.46	288.47	.82
4054.00	12.00	288.90	3555.65	1725.87	547.05	-1636.89	1725.89	288.48	3.10
4154.00	9.00	288.90	3653.96	1744.10	552.95	-1654.13	1744.11	288.48	3.00
4254.00	6.00	288.90	3753.10	1757.15	557.18	-1666.48	1757.16	288.49	3.00
4354.00	3.00	288.90	3852.78	1764.99	559.72	-1673.90	1765.00	288.49	3.00
4454.00	.00	288.90	3952.73	1767.61	560.57	-1676.38	1767.62	288.49	3.00
8420.00	.00	288.90	7918.73	1767.61	560.57	-1676.38	1767.62	288.49	.00

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