

30-039-27702



Job Number: ☐
 Company: Devon Energy
 Lease/Well: NEBU 411A
 Location: Rio Arriba County
 Rig Name: ☐
 RKB: ☐
 G.L. or M.S.L.: ☐

State/Country: New Mexico
 Declination: ☐
 Grid: ☐
 File name: C:\DATA\CUST05\SURVEYS\DEVON\05231.SVY
 Date/Time: 14-Nov-05 / 08:00
 Curve Name: As Drilled

Surface 1775/S 2130/E
 BHL 1014/S 1404/E

INWELL INC

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



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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	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
357.00	1.70	152.00	356.95	-4.68	-4.68	2.49	.00	5.30	152.00
448.00	3.70	137.60	447.84	-8.04	-8.04	5.10	2.30	9.52	147.60
537.00	7.50	135.30	536.40	-14.29	-14.29	11.12	4.28	18.11	142.10
629.00	11.60	137.50	627.11	-25.38	-25.38	21.60	4.47	33.33	139.60
722.00	14.50	136.20	717.70	-40.68	-40.68	35.98	3.13	54.31	138.51
818.00	17.80	135.70	809.90	-59.86	-59.86	54.55	3.44	80.99	137.66
910.00	21.60	137.10	896.50	-82.34	-82.34	75.91	4.16	111.99	137.33
1004.00	25.80	135.60	982.55	-109.64	-109.64	102.01	4.51	149.76	137.06
1098.00	30.90	137.10	1065.25	-141.96	-141.96	132.77	5.48	194.37	136.92
1190.00	34.10	137.30	1142.83	-178.23	-178.23	166.35	3.48	243.80	136.97
1285.00	35.50	137.50	1220.84	-218.14	-218.14	203.05	1.48	298.01	137.05
1379.00	36.50	136.90	1296.88	-258.67	-258.67	240.59	1.13	353.26	137.07
1473.00	37.20	136.50	1372.10	-299.70	-299.70	279.25	.79	409.63	137.02
1565.00	37.30	136.30	1445.34	-340.02	-340.02	317.66	.17	465.32	136.95
1659.00	38.20	135.70	1519.66	-381.42	-381.42	357.63	1.03	522.86	136.84
1752.00	36.70	136.00	1593.49	-421.99	-421.99	397.02	1.62	579.40	136.75
1845.00	36.80	135.60	1668.01	-461.88	-461.88	435.82	.28	635.04	136.66
1938.00	36.30	134.50	1742.72	-501.08	-501.08	474.94	.89	690.40	136.53
2031.00	33.40	135.20	1819.03	-538.55	-538.55	512.62	3.15	743.51	136.41
2125.00	30.50	136.00	1898.78	-574.07	-574.07	547.43	3.12	793.24	136.36
2219.00	27.60	136.90	1980.95	-607.14	-607.14	578.89	3.12	838.88	136.36
2311.00	23.00	136.70	2064.10	-635.79	-635.79	605.79	5.00	878.19	136.38
2404.00	23.20	136.00	2149.64	-662.19	-662.19	630.97	.37	914.67	136.38
2498.00	20.40	135.60	2236.91	-687.22	-687.22	655.30	2.98	949.58	136.36
2591.00	17.40	137.60	2324.89	-709.08	-709.08	676.02	3.30	979.69	136.37

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
2681.00	13.70	136.70	2411.58	-726.78	-726.78	692.41	4.12	1003.81	136.39
2776.00	10.10	132.80	2504.53	-740.63	-740.63	706.25	3.88	1023.38	136.36
2871.00	7.20	135.10	2598.44	-750.51	-750.51	716.56	3.07	1037.65	136.33
2964.00	4.00	141.80	2690.98	-757.19	-757.19	722.68	3.51	1046.71	136.34
3059.00	1.10	137.90	2785.88	-760.47	-760.47	725.34	3.06	1050.92	136.35

Projected to TD

3115.00	.10	137.90	2841.87	-760.90	-760.90	725.74	1.79	1051.51	136.36
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