

Final.

30-045-32415

Job Number: ☐

State/Country: New Mexico / USA

Company: Devon Energy Production Co.

Declination: 10.88°

Lease/Well: NEBU #480A

Grid: ☐

Location: San Juan County, Sec. 11-31N-7W

File name: C:\WINSERVE\IP04206.SVY

Rig Name: D&J #1

Date/Time: 20-Sep-04 / 22:44

RKB: ☐

Curve Name: As Drilled

G.L. or M.S.L.: 6516'

INWELL INC.STF Loc. 20/S 500/W Sec 11
BNL 1195/N 700/W Sec 14

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 170.69
 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
303.00	.80	85.20	302.99	.17	.18	2.11	2.12	85.20	.26
395.00	2.40	152.50	394.96	2.05	-1.48	3.64	3.93	112.11	2.41
485.00	6.90	174.00	484.64	9.24	-8.53	5.07	9.92	149.26	5.28
578.00	11.00	172.50	576.49	23.69	-22.89	6.82	23.88	163.42	4.42
674.00	15.50	171.20	669.91	45.68	-44.66	9.98	45.76	167.41	4.70
768.00	21.10	168.90	759.12	75.18	-73.70	15.16	75.24	168.38	6.01
863.00	25.30	170.30	846.42	112.59	-110.50	21.87	112.65	168.80	4.46
957.00	30.40	171.30	929.51	156.48	-153.84	28.86	156.52	169.37	5.45
1051.00	35.10	172.70	1008.54	207.30	-204.18	35.90	207.32	170.03	5.06
1145.00	35.40	171.70	1085.31	261.53	-257.93	43.26	261.54	170.48	.69
1240.00	35.30	172.40	1162.79	316.48	-312.37	50.86	316.48	170.75	.44
1334.00	34.40	168.60	1239.94	370.17	-365.33	59.70	370.17	170.72	2.50
1427.00	34.00	168.90	1316.86	422.42	-416.59	69.90	422.42	170.47	.47
1519.00	33.70	171.90	1393.27	473.65	-467.11	78.45	473.65	170.47	1.85
1611.00	35.10	169.80	1469.18	525.62	-518.41	86.73	525.62	170.50	1.99
1706.00	35.30	170.30	1546.81	580.37	-572.35	96.19	580.38	170.46	.37
1802.00	34.80	167.90	1625.41	635.47	-626.48	106.61	635.49	170.34	1.53
1896.00	35.30	168.90	1702.36	689.41	-679.36	117.46	689.44	170.19	.81
1990.00	34.90	170.80	1779.27	743.45	-732.56	126.99	743.48	170.17	1.24
2085.00	35.20	174.60	1857.05	797.95	-786.65	133.91	797.97	170.34	2.32
2179.00	35.10	173.00	1933.91	851.99	-840.45	139.76	851.99	170.56	.99
2273.00	34.40	172.30	2011.15	905.53	-893.59	146.61	905.53	170.68	.86
2368.00	34.10	172.70	2089.67	958.97	-946.59	153.59	958.97	170.78	.39
2460.00	32.00	172.20	2166.78	1009.12	-996.33	160.17	1009.12	170.87	2.30

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	
2555.00	28.70	168.20	2248.76	1057.09	-1043.62	168.26	1057.09	170.84	4.07
2648.00	24.80	168.70	2331.79	1098.91	-1084.62	176.65	1098.91	170.75	4.20
2743.00	21.70	169.80	2419.07	1136.39	-1121.45	183.67	1136.39	170.70	3.29
2837.00	18.30	170.10	2507.38	1168.53	-1153.10	189.28	1168.53	170.68	3.62
2932.00	14.40	171.70	2598.53	1195.27	-1179.49	193.55	1195.27	170.68	4.13
3024.00	10.20	170.20	2688.39	1214.86	-1198.85	196.59	1214.86	170.69	4.58
3114.00	5.40	171.90	2777.53	1227.07	-1210.90	198.55	1227.07	170.69	5.34
3208.00	1.00	154.50	2871.37	1232.28	-1216.02	199.52	1232.28	170.68	4.74
3302.00	.80	17.80	2965.36	1232.48	-1216.14	200.08	1232.48	170.66	1.78
3395.00	.80	8.00	3058.35	1231.29	-1214.88	200.37	1231.29	170.63	.15

Straight line projection

3455.00	.80	8.00	3118.35	1230.49	-1214.05	200.48	1230.49	170.62	.00
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