

39
30-046-29933



Job Number: 06235
Company: Devon Energy
Lease/Well: NEBU 493 A
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\06235.SVY
Date/Time: 13-Nov-06 / 12:56
Curve Name: As Drilled

Surface 1640/N 865/E Md TVJ
BHL 1471/N 2478/W 4038 3214
Inwell Inc.

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 274.83
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	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
302.00	.70	347.10	301.99	.56	1.80	-.41	1.84	347.10	.23
391.00	3.10	276.60	390.94	3.13	2.60	-2.92	3.92	311.69	3.30
483.00	9.40	266.80	482.35	13.07	2.47	-12.91	13.14	280.84	6.92
575.00	14.90	269.60	572.26	32.30	1.97	-32.25	32.31	273.49	6.01
670.00	19.30	273.80	663.04	60.18	2.92	-60.14	60.22	272.78	4.81
764.00	24.60	275.30	750.20	95.30	5.76	-95.15	95.33	273.47	5.67
858.00	30.10	274.60	833.66	138.47	9.46	-138.16	138.48	273.92	5.86
950.00	35.40	274.90	911.00	188.22	13.59	-187.74	188.23	274.14	5.76
1041.00	41.10	275.30	982.44	244.53	18.61	-243.83	244.54	274.36	6.27
1135.00	46.70	275.30	1050.14	309.68	24.63	-308.71	309.69	274.56	5.96
1229.00	52.20	276.10	1111.23	381.07	31.74	-379.75	381.07	274.78	5.89
1322.00	53.20	275.10	1167.59	455.04	38.96	-453.37	455.04	274.91	1.37
1414.00	52.90	274.30	1222.89	528.56	44.98	-526.65	528.56	274.88	.77
1508.00	54.50	275.10	1278.54	604.32	51.19	-602.14	604.32	274.86	1.84
1601.00	54.70	273.90	1332.41	680.12	57.14	-677.72	680.12	274.82	1.07
1695.00	54.80	274.60	1386.67	756.88	62.83	-754.27	756.88	274.76	.62
1789.00	53.10	274.30	1441.98	832.87	68.73	-830.03	832.88	274.73	1.83
1883.00	53.60	273.60	1498.09	908.28	73.92	-905.27	908.28	274.67	.80
1977.00	53.80	274.60	1553.74	984.03	79.34	-980.83	984.04	274.62	.88
2070.00	54.50	275.20	1608.21	1059.41	85.78	-1055.94	1059.42	274.64	.92
2163.00	54.40	276.90	1662.28	1135.05	93.75	-1131.18	1135.06	274.74	1.49
2254.00	54.90	276.60	1714.93	1209.23	102.48	-1204.88	1209.23	274.86	.61
2350.00	55.60	276.60	1769.65	1288.07	111.54	-1283.24	1288.08	274.97	.73
2443.00	55.70	275.60	1822.13	1364.84	119.70	-1359.58	1364.84	275.03	.89

12/20

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	52.40	275.60	1877.31	1440.91	127.13	-1435.31	1440.93	275.06	3.51
2631.00	51.20	272.90	1935.44	1514.77	132.61	-1508.96	1514.78	275.02	2.59
2725.00	46.10	272.80	1997.52	1585.27	136.12	-1579.41	1585.27	274.93	5.43
2819.00	40.80	274.90	2065.75	1649.87	140.40	-1643.89	1649.87	274.88	5.84
2913.00	35.70	274.20	2139.54	1708.05	145.04	-1701.88	1708.05	274.87	5.45
3005.00	31.90	274.60	2215.98	1759.21	148.96	-1752.90	1759.21	274.86	4.14
3098.00	29.10	274.40	2296.10	1806.41	152.66	-1799.95	1806.41	274.85	3.01
3192.00	23.90	277.30	2380.20	1848.32	156.84	-1841.65	1848.32	274.87	5.70
3284.00	19.00	277.40	2465.80	1881.92	161.14	-1875.01	1881.92	274.91	5.33
3376.00	13.60	275.60	2554.07	1907.72	164.12	-1900.65	1907.72	274.94	5.89
3437.00	10.10	276.80	2613.76	1920.24	165.46	-1913.10	1920.24	274.94	5.75
3485.00	7.35	277.74	2661.20	1927.51	166.37	-1920.32	1927.52	274.95	5.74
3585.00	4.35	277.74	2760.67	1937.69	167.74	-1930.42	1937.70	274.97	3.00
3685.00	1.35	277.74	2860.53	1942.66	168.41	-1935.35	1942.66	274.97	3.00
3785.00	.00	277.74	2960.53	1943.83	168.57	-1936.52	1943.84	274.97	1.35
<i>Prop. TD 3876'</i>									
Projected to TD									
4038.00	.00	277.74	3213.53	1943.83	168.57	-1936.52	1943.84	274.97	.00

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