

30-045-33265



Job Number: 05222
 Company: Devon Energy
 Lease/Well: NEBU 236
 Location: San Juan County
 Rig Name:
 RKB:
 G.L. or M.S.L.:

State/Country: NM
 Declination:
 Grid:
 File name: C:\DATA\CUST05\SURVEYS\TEMP\05222.SVY
 Date/Time: 17-Oct-05 / 07:34
 Curve Name: As Drilled

Surface 620/S 630/W Sec 24 T31N R7W
 B14L 527/N 1400/W Inwell In Sec 25

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 145.96
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

HOLD C104 FOR N5L

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
354.00	1.80	130.20	353.94	5.35	-3.59	4.25	5.56	130.20	.51
448.00	4.40	144.00	447.80	10.38	-7.46	7.49	10.57	134.87	2.86
542.00	7.10	146.60	541.32	19.79	-15.23	12.81	19.90	139.92	2.88
636.00	11.00	145.30	634.13	34.57	-27.46	21.12	34.64	142.43	4.15
730.00	14.20	146.20	725.85	55.08	-44.41	32.64	55.12	143.69	3.41
824.00	18.60	146.30	816.01	81.61	-66.48	47.38	81.63	144.52	4.68
918.00	22.10	147.20	904.13	114.29	-93.82	65.28	114.30	145.17	3.74
1011.00	26.20	146.50	988.97	152.32	-125.66	86.10	152.33	145.58	4.42
1104.00	29.50	147.00	1071.18	195.76	-161.99	109.91	195.76	145.84	3.56
1197.00	33.90	147.30	1150.29	244.60	-203.04	136.40	244.61	146.11	4.73
1291.00	38.20	147.00	1226.27	299.90	-249.50	166.41	299.90	146.30	4.58
1385.00	42.00	146.50	1298.16	360.43	-300.12	199.61	360.44	146.37	4.06
1479.00	45.90	146.00	1365.82	425.65	-354.35	235.86	425.66	146.35	4.17
1571.00	47.00	146.00	1429.21	492.33	-409.63	273.14	492.34	146.30	1.20
1665.00	46.70	145.80	1493.50	560.91	-466.41	311.59	560.92	146.25	.35
1757.00	46.40	145.50	1556.77	627.70	-521.56	349.27	627.70	146.19	.40
1850.00	47.70	145.30	1620.13	695.77	-577.58	387.93	695.77	146.11	1.41
1942.00	46.30	147.10	1682.88	763.04	-633.48	425.36	763.05	146.12	2.09
2036.00	46.20	146.70	1747.88	830.94	-690.37	462.45	830.94	146.18	.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	
2130.00	45.30	146.50	1813.47	898.26	-746.58	499.51	898.27	146.21	.97
2222.00	45.10	145.70	1878.30	963.54	-800.76	535.92	963.55	146.21	.65
2317.00	42.70	146.50	1946.75	1029.41	-855.43	572.66	1029.42	146.20	2.59
2411.00	37.80	146.40	2018.47	1090.12	-906.03	606.22	1090.13	146.21	5.21
2504.00	32.70	144.50	2094.39	1143.77	-950.25	636.60	1143.78	146.18	5.61
2596.00	29.00	144.70	2173.36	1190.93	-988.70	663.93	1190.93	146.12	4.02
2690.00	25.10	144.10	2257.06	1233.65	-1023.46	688.79	1233.65	146.06	4.16
2782.00	21.20	141.80	2341.64	1269.76	-1052.35	710.53	1269.76	145.97	4.35
2875.00	18.60	145.20	2429.08	1301.37	-1077.75	729.40	1301.37	145.91	3.06
2968.00	14.70	147.10	2518.17	1328.01	-1099.84	744.28	1328.01	145.91	4.23
3061.00	10.40	147.90	2608.92	1348.20	-1116.87	755.15	1348.20	145.94	4.63
3155.00	7.00	147.10	2701.83	1362.41	-1128.87	762.78	1362.41	145.95	3.62
3249.00	3.60	146.90	2795.41	1371.09	-1136.15	767.50	1371.09	145.96	3.62
3342.00	.60	168.70	2888.34	1374.46	-1139.08	769.19	1374.46	145.97	3.28
3436.00	.70	146.90	2982.34	1375.49	-1140.04	769.60	1375.49	145.98	.28
3530.00	.80	116.90	3076.33	1376.64	-1140.82	770.50	1376.64	145.97	.43
3623.00	.30	253.90	3169.33	1377.13	-1141.18	770.84	1377.13	145.96	1.12
3717.00	.80	194.50	3263.32	1377.49	-1141.88	770.44	1377.49	145.99	.74
3810.00	1.20	177.60	3356.31	1378.75	-1143.48	770.32	1378.75	146.03	.53
3904.00	.90	187.50	3450.29	1380.14	-1145.20	770.27	1380.14	146.08	.37
3969.00	.90	190.80	3515.28	1380.88	-1146.21	770.10	1380.89	146.10	.08
Projected to Bit									
4007.00	.90	190.80	3553.28	1381.31	-1146.79	769.99	1381.31	146.12	.00

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