

30-039-29628



Job Number: 05232
 Company: Devon Energy
 Lease/Well: NEBU 409A
 Location: Rio Arriba County
 Rig Name: ☐
 RKB: ☐
 G.L. or M.S.L.: ☐

State/Country: NM
 Declination: ☐
 Grid: ☐
 File name: C:\DATA\CUST05\SURVEYS\TEMP\05232.SVY
 Date/Time: 18-Nov-05 / 07:22
 Curve Name: As Drilled

Surface 940/N 1315/W
 BHL 1399/N 1330/W

INWELL INC

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 178.26
 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
324.00	.30	332.20	324.00	-.76	.75	-.40	.85	332.20	.09
414.00	.90	187.60	414.00	-.28	.26	-.60	.65	293.31	1.29
504.00	3.10	175.90	503.94	2.85	-2.87	-.52	2.92	190.24	2.47
596.00	5.20	176.50	595.69	9.51	-9.51	-.09	9.51	180.52	2.28
689.00	7.50	180.50	688.11	19.79	-19.79	.12	19.79	179.66	2.52
785.00	9.60	181.80	783.04	34.04	-34.06	-.19	34.06	180.32	2.20
876.00	11.20	179.10	872.54	50.45	-50.48	-.29	50.48	180.33	1.84
971.00	12.60	178.20	965.50	70.04	-70.06	.18	70.06	179.85	1.49
1065.00	14.30	178.40	1056.92	91.90	-91.92	.83	91.92	179.48	1.81
1160.00	16.00	179.20	1148.61	116.72	-116.74	1.34	116.75	179.34	1.80
1254.00	17.10	176.70	1238.72	143.49	-143.49	2.32	143.51	179.08	1.39
1346.00	17.10	176.70	1326.65	170.54	-170.50	3.87	170.54	178.70	.00
1440.00	17.80	176.70	1416.32	198.71	-198.64	5.50	198.71	178.42	.74
1533.00	17.40	177.90	1504.97	226.83	-226.73	6.82	226.83	178.28	.58
1625.00	16.90	176.70	1592.88	253.95	-253.82	8.10	253.95	178.17	.67
1719.00	16.90	178.00	1682.82	281.27	-281.12	9.36	281.27	178.09	.40
1813.00	16.90	178.90	1772.76	308.60	-308.43	10.10	308.60	178.12	.28
1906.00	17.40	179.50	1861.63	336.02	-335.85	10.48	336.02	178.21	.57
1999.00	14.20	176.50	1951.10	361.33	-361.15	11.30	361.33	178.21	3.55
2093.00	12.90	179.60	2042.49	383.34	-383.15	12.08	383.34	178.19	1.58
2187.00	11.70	179.30	2134.33	403.36	-403.18	12.27	403.36	178.26	1.28
2280.00	9.80	178.40	2225.69	420.71	-420.52	12.60	420.71	178.28	2.05
2375.00	7.60	177.70	2319.59	435.07	-434.88	13.08	435.07	178.28	2.32
2469.00	5.50	177.40	2412.97	445.80	-445.59	13.53	445.80	178.26	2.23

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	
2562.00	3.50	178.10	2505.68	453.09	-452.88	13.83	453.09	178.25	2.15
2656.00	1.40	174.50	2599.59	457.11	-456.89	14.04	457.11	178.24	2.24
2750.00	.40	127.80	2693.58	458.46	-458.24	14.40	458.46	178.20	1.24
2843.00	.40	126.90	2786.58	458.87	-458.63	14.92	458.87	178.14	.01
2907.00	.20	109.40	2850.58	459.05	-458.80	15.20	459.05	178.10	.34
Projected to Bit									
2940.00	.20	109.40	2883.57	459.09	-458.84	15.31	459.10	178.09	.00

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