

Job Number: 03201

State/Country: New Mexico / USA

Company: Devon Energy Corp.

Declination: 10.23°

Lease/Well: Northeast Blanco Unit 499A

Grid:

Location: Rio Arriba County, Sec 20-31N-6W

File name: C:\CUST03\SURVEY\DEVON\03201.SVY

Rig Name: D & J #1

Date/Time: 13-Nov-03 / 15:59

RKB:

Curve Name: As Drilled

G.L. or M.S.L.:



30-039-27445

Surface 1875/S 1420/E
B/H L 807/N 1296/E

INWELL INC.
DIRECTIONAL DRILLING SERVICES
HOUSTON, TEXAS
281-397-7614
888-397-7614

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 2.64
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
352.00	1.10	351.60	351.98	3.32	3.34	-.49	3.38	351.60	.31
444.00	4.70	356.70	443.85	7.93	7.98	-.84	8.02	353.99	3.92
535.00	9.70	359.30	534.10	19.30	19.38	-1.15	19.41	356.61	5.50
625.00	15.30	.90	621.93	38.76	38.85	-1.05	38.86	358.45	6.23
717.00	20.10	1.60	709.55	66.71	66.80	-.42	66.80	359.64	5.22
807.00	24.80	3.30	792.71	101.07	101.12	1.10	101.13	.62	5.27
898.00	29.30	2.60	873.73	142.44	142.44	3.21	142.48	1.29	4.96
988.00	34.60	3.00	950.07	190.05	189.99	5.55	190.07	1.67	5.89
1079.00	40.60	3.20	1022.14	245.54	245.41	8.55	245.56	2.00	6.59
1169.00	45.90	2.60	1087.67	307.19	306.98	11.66	307.20	2.17	5.91
1260.00	50.80	2.60	1148.13	375.16	374.88	14.74	375.17	2.25	5.38
1354.00	55.80	2.10	1204.28	450.50	450.16	17.82	450.51	2.27	5.34
1448.00	58.70	2.60	1255.13	529.55	529.14	21.07	529.56	2.28	3.12
1543.00	61.10	3.90	1302.77	611.73	611.19	25.74	611.73	2.41	2.79
1637.00	59.10	3.30	1349.63	693.20	692.51	30.86	693.20	2.55	2.20
1731.00	60.10	4.00	1397.20	774.26	773.42	36.02	774.26	2.67	1.24
1825.00	60.10	2.60	1444.05	855.74	854.77	40.71	855.74	2.73	1.29
1920.00	61.90	3.50	1490.11	938.82	937.74	45.14	938.83	2.76	2.07
2013.00	60.10	3.20	1535.20	1020.15	1018.94	49.89	1020.16	2.80	1.96
2107.00	57.00	2.80	1584.24	1100.33	1099.01	54.09	1100.34	2.82	3.32
2202.00	57.70	3.30	1635.49	1180.32	1178.88	58.35	1180.32	2.83	.86

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	
2296.00	57.70	4.70	1685.72	1259.75	1258.14	63.89	1259.76	2.91	1.26
2391.00	57.80	3.30	1736.41	1340.07	1338.29	69.50	1340.09	2.97	1.25
2484.00	58.70	3.00	1785.35	1419.14	1417.25	73.84	1419.17	2.98	1.01
2578.00	60.50	2.80	1832.92	1500.22	1498.22	77.94	1500.24	2.98	1.92
2672.00	60.70	3.50	1879.06	1582.11	1579.99	82.44	1582.14	2.99	.68
2767.00	61.50	4.60	1924.97	1665.25	1662.94	88.32	1665.29	3.04	1.32
2862.00	60.70	2.80	1970.89	1748.40	1745.93	93.69	1748.45	3.07	1.86
2956.00	60.50	2.30	2017.03	1830.29	1827.75	97.33	1830.34	3.05	.51
3051.00	60.90	2.10	2063.53	1913.13	1910.53	100.51	1913.17	3.01	.46
3146.00	59.60	1.90	2110.67	1995.61	1992.96	103.39	1995.64	2.97	1.38
3238.00	55.00	2.50	2160.35	2073.00	2070.30	106.35	2073.03	2.94	5.03
3333.00	52.20	2.50	2216.72	2149.46	2146.68	109.69	2149.49	2.93	2.95
3427.00	49.50	.70	2276.07	2222.33	2219.54	111.75	2222.35	2.88	3.23
3522.00	44.50	.90	2340.84	2291.75	2288.99	112.71	2291.76	2.82	5.27
3617.00	40.30	1.90	2410.98	2355.78	2353.01	114.25	2355.79	2.78	4.48
3711.00	35.20	2.80	2485.28	2413.31	2410.49	116.59	2413.31	2.77	5.46
3806.00	30.30	2.10	2565.15	2464.68	2461.82	118.80	2464.69	2.76	5.17
3900.00	25.10	2.10	2648.35	2508.36	2505.47	120.40	2508.37	2.75	5.53
3995.00	21.10	4.40	2735.72	2545.62	2542.68	122.45	2545.62	2.76	4.32
4088.00	16.70	1.90	2823.68	2575.73	2572.74	124.18	2575.73	2.76	4.81
4193.00	11.30	358.90	2925.53	2601.09	2598.12	124.49	2601.10	2.74	5.19