



Job Number: 04203
 Company: Burlington Resources
 Lease/Well: Negro Canyon #101
 Location: San Juan County, Sec 12-31N-8W
 Rig Name: Aztec #301
 RKB: 6914'
 G.L. or M.S.L.: 6902'

State/Country: New Mexico / USA
 Declination: 10.92089
 Grid: -0.10
 File name: C:\CUST04\SURVEYS\BURLIN~1\04208.SVY
 Date/Time: 11-Oct-04 / 16:47
 Curve Name: As Drilled

Surface 2245/S 1075/W
 BHL 679/N 936/W

30-045-32570

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 356.39
 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
354.00	3.50	328.40	353.78	9.54	9.21	-5.66	10.81	328.40	.99
414.00	6.80	325.60	413.53	14.21	13.70	-8.63	16.19	327.79	5.51
503.00	11.70	337.40	501.35	27.28	26.39	-15.08	30.39	330.25	5.88
563.00	14.70	342.70	559.76	40.44	39.27	-19.68	43.93	333.38	5.39
623.00	17.60	346.20	617.39	56.76	55.36	-24.11	60.38	336.46	5.10
683.00	20.70	348.60	674.06	76.20	74.56	-28.37	79.78	339.17	5.33
743.00	23.90	352.90	729.57	98.85	97.03	-31.97	102.16	341.76	5.98
801.00	27.10	355.10	781.92	123.79	121.86	-34.55	126.66	344.17	5.75
860.00	30.30	359.40	833.67	152.10	150.14	-35.86	154.36	346.57	6.45
921.00	33.60	359.80	885.42	184.32	182.41	-36.08	185.95	348.81	5.42
982.00	37.00	359.90	935.20	219.50	217.66	-36.17	220.64	350.57	5.57
1041.00	40.40	359.50	981.24	256.33	254.54	-36.37	257.13	351.87	5.78
1105.00	44.00	358.60	1028.64	299.26	297.52	-37.09	299.82	352.89	5.70
1168.00	44.60	359.20	1073.73	343.22	341.51	-37.93	343.61	353.66	1.16
1231.00	46.20	359.10	1117.96	388.02	386.36	-38.60	388.28	354.29	2.54
1294.00	45.80	357.90	1161.73	433.31	431.66	-39.79	433.49	354.73	1.51
1357.00	45.80	357.10	1205.65	478.47	476.78	-41.76	478.61	354.99	.91
1420.00	47.10	359.00	1249.06	524.10	522.41	-43.30	524.20	355.26	3.01
1482.00	47.40	359.70	1291.14	569.57	567.94	-43.82	569.62	355.59	.96
1545.00	45.80	359.10	1334.43	615.28	613.71	-44.29	615.30	355.87	2.63
1608.00	46.10	359.10	1378.23	660.51	658.98	-45.00	660.52	356.09	.48
1671.00	46.60	359.00	1421.72	706.04	704.56	-45.76	706.04	356.28	.80
1733.00	45.90	359.50	1464.59	750.77	749.34	-46.35	750.77	356.46	1.27
1796.00	46.00	358.30	1508.39	796.01	794.61	-47.22	796.01	356.60	1.38
1860.00	45.00	359.10	1553.25	841.62	840.25	-48.26	841.63	356.71	1.80

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	
1923.00	44.00	355.70	1598.19	885.75	884.35	-50.25	885.77	356.75	4.10
1986.00	44.10	355.60	1643.47	929.55	928.02	-53.57	929.57	356.70	.19
2048.00	44.60	356.90	1687.81	972.89	971.27	-56.40	972.90	356.68	1.67
2111.00	44.40	355.00	1732.75	1017.04	1015.31	-59.52	1017.05	356.65	2.14
2174.00	45.20	356.30	1777.45	1061.43	1059.57	-62.88	1061.44	356.60	1.93
2236.00	45.50	355.30	1821.02	1105.53	1103.56	-66.11	1105.54	356.57	1.25
2299.00	45.70	354.40	1865.10	1150.53	1148.39	-70.15	1150.53	356.50	1.07
2362.00	45.40	356.10	1909.22	1195.49	1193.21	-73.88	1195.49	356.46	1.98
2425.00	45.50	358.10	1953.42	1240.38	1238.04	-76.15	1240.38	356.48	2.27
2488.00	45.60	355.70	1997.54	1285.34	1282.94	-78.58	1285.35	356.49	2.72
2551.00	46.00	354.00	2041.46	1330.49	1327.92	-82.64	1330.49	356.44	2.04
2613.00	45.20	355.30	2084.84	1374.76	1372.02	-86.77	1374.76	356.38	1.98
2676.00	44.70	353.90	2129.43	1419.25	1416.33	-90.96	1419.25	356.33	1.76
2739.00	45.80	356.90	2173.79	1463.97	1460.92	-94.53	1463.97	356.30	3.81
2803.00	46.50	357.70	2218.13	1510.12	1507.02	-96.71	1510.12	356.33	1.42
2865.00	45.80	357.70	2261.08	1554.82	1551.70	-98.50	1554.82	356.37	1.13
2929.00	45.00	356.20	2306.02	1600.38	1597.20	-100.92	1600.38	356.38	2.08
2992.00	44.70	354.70	2350.68	1644.81	1641.49	-104.44	1644.81	356.36	1.75
3056.00	44.40	354.90	2396.29	1689.69	1686.20	-108.51	1689.69	356.32	.52
3119.00	44.40	355.70	2441.30	1733.76	1730.13	-112.12	1733.76	356.29	.89
3182.00	45.00	356.30	2486.08	1778.07	1774.34	-115.21	1778.07	356.28	1.16
3244.00	44.50	357.60	2530.11	1821.71	1817.92	-117.54	1821.72	356.30	1.68
3306.00	43.70	357.60	2574.64	1864.85	1861.03	-119.35	1864.85	356.33	1.29
3369.00	43.90	358.60	2620.11	1908.43	1904.61	-120.79	1908.43	356.37	1.14
3432.00	41.80	358.90	2666.29	1951.24	1947.44	-121.73	1951.24	356.42	3.35
3495.00	39.00	358.20	2714.27	1992.04	1988.25	-122.75	1992.04	356.47	4.50
3558.00	36.30	356.70	2764.14	2030.51	2026.69	-124.45	2030.51	356.49	4.53
Last Survey @ 3620'									
3620.00	32.40	358.20	2815.32	2065.48	2061.63	-126.03	2065.48	356.50	6.44
3683.00	28.70	357.30	2869.57	2097.48	2093.62	-127.27	2097.49	356.52	5.92
3746.00	27.90	354.90	2925.04	2127.35	2123.42	-129.30	2127.35	356.52	2.21
3809.00	25.20	355.40	2981.39	2155.50	2151.47	-131.68	2155.50	356.50	4.30
3872.00	21.80	354.40	3039.16	2180.60	2176.49	-133.90	2180.61	356.48	5.43
3933.00	17.70	355.80	3096.56	2201.21	2197.02	-135.68	2201.21	356.47	6.77
3995.00	13.80	356.00	3156.22	2218.03	2213.80	-136.89	2218.03	356.46	6.29
4057.00	10.50	352.40	3216.82	2231.06	2226.78	-138.15	2231.07	356.45	5.46
4120.00	7.50	351.40	3279.04	2240.89	2236.54	-139.53	2240.89	356.43	4.77
4183.00	4.60	354.90	3341.68	2247.51	2243.12	-140.37	2247.51	356.42	4.64
4214.00	2.90	5.50	3372.61	2249.53	2245.14	-140.40	2249.53	356.42	5.90
Projected Survey @ 4254'									
4254.00	.71	5.50	3412.59	2250.77	2246.40	-140.28	2250.77	356.43	5.47