

30-045-32894



Report Date:
 Client:
 Field:
 Structure / Slot:
 Well:
 Borehole:
 UWI/API#:
 Wellpath Name:
 Grid Coordinate System:
 Location Lat/Long:
 Location Grid N/E Y/X:
 Grid Convergence Angle:
 Grid Scale Factor:
 Survey / DLS Computation Method:
 Vertical Azimuth:
 Vertical Section Origin:
 TVD Reference Datum:
 TVD Reference Elevation:
 Level)
 Sea Bed / Ground Level Elevation:
 Magnetic Declination:
 Total Field Strength:
 Magnetic Dip:
 Declination Date:
 Magnetic Declination Model:
 [1945.0-2006.0]
 North Reference:
 Total Corr Mag North to True North:
 Local Coordinates Referenced To:

NC100S surveys.txt
 12-Sep-2005
 BURLINGTON RESOURCES
 SAN JUAN
 SEC.12-T31N-R8W / NC 100S
 NC 100S
 NC 100S (AWB)
 NC 100S (AWP#1)
 New Mexico State Planes, Western Zone
 N36 54 28.6560, W107 37 56.1900
 2149823.7634 ft, 558782.8191 ft
 0.12 deg
 0.999921
 Minimum Curvature
 91.74 deg
 0.00N, 0.00E
 RKB
 Rig (Actual Datum 6918.0ft above Mean Sea

Surface 1355/51005/A
 BHL 1269/51448/E

0.00 ft to Mean Sea Level

10.66 deg

51532.65

63.80 deg

14-Apr-2005

BGS Global Geomagnetic Model

True

10.66 deg

Slot

Grid Coordinates			Geographic Coordinates			N/-S Comment	E/-W (ft)	DLS (deg/100ft)
MD Northing (ft)	Inc Easting (deg)	Azi (deg)	TVD Latitude (ft)	TVD(SS) (ft)	VS Longitude (ft)			
0.00	0.00	0.00	0.00	-6918.00	0.00	0.00	0.00	0.00
2149823.76	558782.82		N36 54 28.6560	W107 37 56.1900				
268.00	0.30	15.70	268.00	-6650.00	0.17	0.68	0.19	0.11
2149824.44	558783.01		N36 54 28.6627	W107 37 56.1877				
330.00	0.40	16.90	330.00	-6588.00	0.27	1.04	0.30	0.16
2149824.80	558783.11		N36 54 28.6663	W107 37 56.1863				
392.00	2.10	32.20	391.98	-6526.02	0.90	2.21	0.96	2.77
2149825.97	558783.78		N36 54 28.6778	W107 37 56.1781				
454.00	4.70	38.20	453.87	-6464.13	2.98	5.17	3.14	4.23
2149828.93	558785.95		N36 54 28.7071	W107 37 56.1513				
513.00	7.60	43.50	512.52	-6405.48	7.02	9.90	7.32	5.00
2149833.67	558790.12		N36 54 28.7538	W107 37 56.0998				
574.00	10.80	52.10	572.73	-6345.27	14.11	16.34	14.61	5.70
2149840.13	558797.39		N36 54 28.8175	W107 37 56.0101				
635.00	12.60	60.70	632.47	-6285.53	24.21	23.10	24.93	4.10
2149846.92	558807.69		N36 54 28.8844	W107 37 55.8831				
695.00	16.10	71.50	690.60	-6227.40	37.63	28.95	38.53	7.32
2149852.79	558821.28		N36 54 28.9422	W107 37 55.7156				
756.00	20.50	77.00	748.50	-6169.50	55.91	34.04	56.97	7.74
2149857.92	558839.71		N36 54 28.9926	W107 37 55.4886				
816.00	25.50	81.00	803.72	-6114.28	78.77	38.42	79.98	8.73
2149862.35	558862.71		N36 54 29.0359	W107 37 55.2053				
879.00	28.80	86.90	859.78	-6058.22	107.23	41.37	108.54	6.75
2149865.36	558891.26		N36 54 29.0650	W107 37 54.8537				
940.00	30.50	92.80	912.80	-6005.20	137.36	41.41	138.68	5.53
2149865.46	558921.40		N36 54 29.0654	W107 37 54.4825				
1000.00	33.60	93.60	963.65	-5954.35	169.18	39.62	170.46	5.21

NC100S surveys.txt

2149863.74	558953.19	N36 54 29.0477	w107 37 54.0912			
1061.00	37.10 93.40	1013.40	-5904.61	204.45	37.47	205.69 5.74
2149861.66	558988.41	N36 54 29.0265	w107 37 53.6575			
1120.00	40.40 93.40	1059.40	-5858.60	241.36	35.28	242.54 5.59
2149859.55	559025.27	N36 54 29.0048	w107 37 53.2037			
1184.00	44.00 93.50	1106.81	-5811.19	284.33	32.69	285.45 5.63
2149857.05	559068.18	N36 54 28.9792	w107 37 52.6755			
1247.00	47.50 93.50	1150.76	-5767.24	329.43	29.93	330.49 5.56
2149854.39	559113.21	N36 54 28.9520	w107 37 52.1210			
1340.00	53.80 92.50	1209.70	-5708.30	401.29	26.20	402.27 6.82
2149850.81	559185.00	N36 54 28.9150	w107 37 51.2372			
1401.00	54.60 92.90	1245.38	-5672.62	450.75	23.87	451.69 1.42
2149848.58	559234.42	N36 54 28.8920	w107 37 50.6287			
1494.00	55.50 92.00	1298.66	-5619.34	526.97	20.61	527.84 1.25
2149845.49	559310.57	N36 54 28.8598	w107 37 49.6911			
1588.00	55.90 90.40	1351.63	-5566.37	604.62	18.99	605.47 1.47
2149844.03	559388.20	N36 54 28.8437	w107 37 48.7352			
1683.00	55.30 92.00	1405.30	-5512.70	683.00	17.35	683.84 1.53
2149842.56	559466.56	N36 54 28.8275	w107 37 47.7704			
1776.00	55.60 92.20	1458.05	-5459.95	759.59	14.55	760.38 0.37
2149839.91	559543.11	N36 54 28.7997	w107 37 46.8280			
1869.00	56.50 90.70	1509.99	-5408.01	836.73	12.60	837.50 1.65
2149838.13	559620.22	N36 54 28.7805	w107 37 45.8785			
1963.00	55.60 91.00	1562.48	-5355.52	914.70	11.45	915.47 0.99
2149837.14	559698.19	N36 54 28.7690	w107 37 44.9185			
2057.00	53.30 91.90	1617.13	-5300.87	991.17	9.52	991.92 2.57
2149835.37	559774.63	N36 54 28.7499	w107 37 43.9773			
2151.00	52.60 92.10	1673.77	-5244.23	1066.19	6.90	1066.89 0.76
2149832.91	559849.61	N36 54 28.7240	w107 37 43.0542			
2245.00	53.20 91.90	1730.47	-5187.53	1141.16	4.29	1141.82 0.66
2149830.45	559924.53	N36 54 28.6981	w107 37 42.1316			
2340.00	53.50 92.20	1787.18	-5130.82	1217.38	1.56	1217.99 0.40
2149827.89	560000.70	N36 54 28.6711	w107 37 41.1938			
2434.00	54.80 91.90	1842.23	-5075.77	1293.57	-1.17	1294.13 1.41
2149825.32	560076.84	N36 54 28.6442	w107 37 40.2564			
2528.00	55.80 91.30	1895.74	-5022.26	1370.85	-3.32	1371.38 1.19
2149823.33	560154.09	N36 54 28.6228	w107 37 39.3052			
2620.00	55.40 91.80	1947.72	-4970.28	1446.76	-5.37	1447.26 0.62
2149821.44	560229.97	N36 54 28.6025	w107 37 38.3710			
2715.00	55.10 93.70	2001.87	-4916.13	1524.80	-9.12	1525.22 1.67
2149817.86	560307.93	N36 54 28.5654	w107 37 37.4111			
2810.00	56.20 93.50	2055.47	-4862.53	1603.19	-14.04	1603.50 1.17
2149813.10	560386.21	N36 54 28.5167	w107 37 36.4473			
2904.00	56.30 93.80	2107.70	-4810.30	1681.30	-19.02	1681.50 0.29
2149808.29	560464.22	N36 54 28.4675	w107 37 35.4870			
2998.00	55.30 94.30	2160.53	-4757.47	1758.98	-24.50	1759.05 1.15
2149802.97	560541.77	N36 54 28.4132	w107 37 34.5322			
3089.00	56.70 93.80	2211.42	-4706.58	1834.36	-29.83	1834.30 1.60
2149797.80	560617.03	N36 54 28.3604	w107 37 33.6057			
3181.00	55.90 93.60	2262.46	-4655.54	1910.85	-34.77	1910.68 0.89
2149793.02	560693.41	N36 54 28.3116	w107 37 32.6653			
3274.00	54.60 93.10	2315.47	-4602.53	1987.24	-39.24	1986.96 1.47
2149788.72	560769.70	N36 54 28.2673	w107 37 31.7261			
3370.00	53.00 93.50	2372.17	-4545.83	2064.67	-43.69	2064.30 1.70
2149784.42	560847.04	N36 54 28.2232	w107 37 30.7739			
3464.00	53.90 93.10	2428.15	-4489.85	2140.16	-48.04	2139.68 1.02
2149780.24	560922.43	N36 54 28.1802	w107 37 29.8457			
3556.00	55.40 92.90	2481.37	-4436.63	2215.18	-51.97	2214.62 1.64
2149776.47	560997.36	N36 54 28.1413	w107 37 28.9231			
3653.00	54.60 93.80	2537.01	-4380.99	2294.60	-56.60	2293.94 1.12
2149772.00	561076.68	N36 54 28.0954	w107 37 27.9465			
3734.00	54.30 93.90	2584.11	-4333.90	2360.46	-61.03	2359.69 0.38
2149767.71	561142.44	N36 54 28.0516	w107 37 27.1370			

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3828.00	52.60	93.70	2640.08	-4277.92	2435.92	-66.04	2435.04	1.82
2149762.86	561217.79		N36 54 28.0020	w107 37 26.2093				
3859.00	50.50	93.80	2659.36	-4258.64	2460.18	-67.62	2459.26	6.78
2149761.33	561242.02		N36 54 27.9863	w107 37 25.9111				
3890.00	48.30	93.50	2679.53	-4238.47	2483.70	-69.12	2482.75	7.13
2149759.88	561265.51		N36 54 27.9714	w107 37 25.6219				
3921.00	46.20	93.30	2700.57	-4217.43	2506.46	-70.47	2505.47	6.79
2149758.58	561288.23		N36 54 27.9581	w107 37 25.3421				
3953.00	44.40	93.10	2723.08	-4194.92	2529.19	-71.74	2528.18	5.64
2149757.35	561310.94		N36 54 27.9455	w107 37 25.0625				
3984.00	42.60	93.50	2745.57	-4172.43	2550.52	-72.97	2549.48	5.87
2149756.17	561332.24		N36 54 27.9333	w107 37 24.8002				
4015.00	40.80	93.50	2768.71	-4149.29	2571.14	-74.23	2570.07	5.81
2149754.96	561352.83		N36 54 27.9209	w107 37 24.5468				
4047.00	38.80	95.50	2793.30	-4124.70	2591.59	-75.83	2590.48	7.42
2149753.40	561373.25		N36 54 27.9050	w107 37 24.2954				
4078.00	37.40	93.80	2817.69	-4100.31	2610.69	-77.38	2609.55	5.64
2149751.88	561392.31		N36 54 27.8896	w107 37 24.0607				
4109.00	37.30	93.00	2842.33	-4075.67	2629.49	-78.50	2628.32	1.60
2149750.81	561411.08		N36 54 27.8786	w107 37 23.8296				
4141.00	35.40	92.50	2868.11	-4049.89	2648.45	-79.41	2647.26	6.01
2149749.94	561430.03		N36 54 27.8696	w107 37 23.5963				
4171.00	33.60	92.10	2892.83	-4025.17	2665.45	-80.09	2664.24	6.05
2149749.29	561447.01		N36 54 27.8628	w107 37 23.3873				
4202.00	31.90	91.50	2918.90	-3999.10	2682.21	-80.62	2681.00	5.58
2149748.80	561463.77		N36 54 27.8575	w107 37 23.1809				
4233.00	30.00	91.00	2945.49	-3972.51	2698.16	-80.97	2696.94	6.18
2149748.48	561479.71		N36 54 27.8541	w107 37 22.9847				
4264.00	28.40	90.20	2972.55	-3945.46	2713.28	-81.13	2712.06	5.31
2149748.35	561494.83		N36 54 27.8525	w107 37 22.7985				
4296.00	27.60	90.10	3000.80	-3917.20	2728.29	-81.17	2727.09	2.50
2149748.34	561509.85		N36 54 27.8521	w107 37 22.6135				
4326.00	25.70	89.90	3027.61	-3890.39	2741.74	-81.17	2740.54	6.34
2149748.37	561523.30		N36 54 27.8520	w107 37 22.4479				
4357.00	23.60	89.80	3055.78	-3862.22	2754.66	-81.14	2753.47	6.78
2149748.43	561536.23		N36 54 27.8524	w107 37 22.2887				
4388.00	21.50	90.60	3084.41	-3833.59	2766.55	-81.18	2765.36	6.85
2149748.42	561548.12		N36 54 27.8520	w107 37 22.1423				
4420.00	19.20	91.80	3114.41	-3803.59	2777.67	-81.41	2776.48	7.30
2149748.22	561559.24		N36 54 27.8497	w107 37 22.0054				
4450.00	17.10	93.50	3142.92	-3775.08	2787.02	-81.83	2785.82	7.22
2149747.81	561568.57		N36 54 27.8455	w107 37 21.8905				
4481.00	15.10	95.30	3172.70	-3745.30	2795.60	-82.48	2794.39	6.65
2149747.18	561577.15		N36 54 27.8391	w107 37 21.7849				
4512.00	13.10	98.20	3202.77	-3715.23	2803.12	-83.36	2801.89	6.84
2149746.32	561584.65		N36 54 27.8304	w107 37 21.6926				
4543.00	10.90	99.30	3233.09	-3684.91	2809.52	-84.33	2808.26	7.13
2149745.36	561591.02		N36 54 27.8208	w107 37 21.6142				
4575.00	9.00	98.80	3264.61	-3653.40	2815.01	-85.20	2813.72	5.94
2149744.50	561596.48		N36 54 27.8121	w107 37 21.5470				
4605.00	7.10	97.80	3294.31	-3623.69	2819.18	-85.81	2817.87	6.35
2149743.90	561600.64		N36 54 27.8061	w107 37 21.4958				
4635.00	5.50	89.70	3324.13	-3593.87	2822.46	-86.06	2821.15	6.09
2149743.66	561603.91		N36 54 27.8037	w107 37 21.4555				
4667.00	3.70	87.20	3356.02	-3561.98	2825.02	-86.00	2823.71	5.66
2149743.72	561606.48		N36 54 27.8043	w107 37 21.4239				
4742.00	1.90	87.20	3430.93	-3487.07	2828.67	-85.82	2827.37	2.40
2149743.91	561610.13		N36 54 27.8060	w107 37 21.3788				