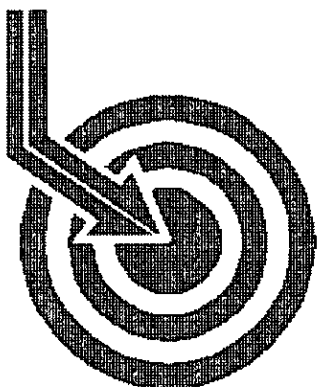




Scientific Drilling

3d-039-29890

BURLINGTON RESOURCES

Field: San Juan

Site: Rio Arriba County, NM

Well: San Juan 28-6 #148N

Wellpath: DH - Job #32D0107034

Survey: 01/08/07-01/15/07

Surface 1850/N 1630/E

B/H/L 2356/N 578/E

Int Md 4588 Tvd 4392

RCUD JUN 20 07
OIL CONS. DIV.

DIST. 3

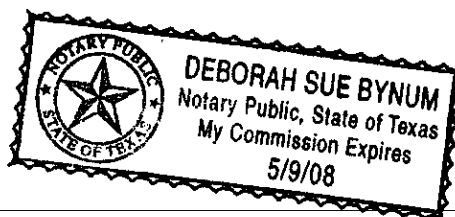
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....R. Wharton..... Company Representative

Notorized this date 21st of February, 2007.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-6 #148N
Wellpath: DH - Job #32D0107034

Date: 02/19/2007 Time: 20:48:19 Page: 1
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,115.52Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 01/08/07-01/15/07
E-field 0'-4588'

Start Date: 01/08/2007

Company: Scientific Drilling Internatio
Tool: E-field;E-field

Engineer: Lowe/Gillespie/Bates/Rasmussen
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
452.00	1.85	61.64	451.92	4.30	3.47	6.42	0.41	7.30	61.64
515.00	1.97	64.39	514.89	5.58	4.42	8.29	0.24	9.40	61.96
581.00	2.77	86.51	580.83	7.69	5.00	10.91	1.82	12.00	65.35
642.00	2.97	99.14	641.75	10.49	4.84	13.94	1.08	14.76	70.84
702.00	3.68	109.14	701.65	13.90	3.96	17.29	1.52	17.74	77.09
764.00	5.20	111.23	763.47	18.68	2.30	21.79	2.47	21.91	83.99
825.00	6.66	123.46	824.14	24.94	-0.66	27.32	3.15	27.33	91.38
886.00	8.39	124.45	884.61	32.84	-5.12	33.94	2.84	34.33	98.59
946.00	10.52	123.25	943.79	42.59	-10.60	42.13	3.56	43.45	104.13
1006.00	12.78	120.34	1002.56	54.63	-16.96	52.44	3.89	55.12	107.92
1065.00	14.59	121.14	1059.88	68.53	-24.10	64.43	3.08	68.79	110.51
1129.00	16.25	118.97	1121.57	85.49	-32.61	79.17	2.75	85.62	112.38
1193.00	17.17	121.22	1182.87	103.83	-41.84	95.08	1.76	103.88	113.75
1256.00	19.09	119.45	1242.74	123.36	-51.73	112.01	3.17	123.37	114.79
1320.00	20.98	117.58	1302.86	145.26	-62.18	131.28	3.12	145.26	115.34
1384.00	22.11	116.99	1362.39	168.75	-72.95	152.17	1.80	168.75	115.61
1448.00	22.79	116.75	1421.54	193.18	-83.99	173.97	1.07	193.18	115.77
1544.00	22.65	116.66	1510.09	230.25	-100.66	207.09	0.15	230.26	115.92
1607.00	22.00	115.92	1568.37	254.18	-111.26	228.55	1.12	254.19	115.96
1671.00	22.26	116.66	1627.65	278.29	-121.94	250.16	0.60	278.30	115.99
1703.00	22.49	116.06	1657.25	290.47	-127.35	261.08	1.01	290.48	116.00
1767.00	22.38	116.06	1716.40	314.89	-138.08	283.02	0.17	314.90	116.01
1831.00	22.75	115.39	1775.50	339.45	-148.73	305.14	0.70	339.46	115.99
1895.00	23.13	114.99	1834.44	364.39	-159.35	327.71	0.64	364.40	115.93
1958.00	22.49	114.90	1892.51	388.82	-169.65	349.86	1.02	388.82	115.87
2022.00	22.11	114.68	1951.73	413.10	-179.83	371.91	0.61	413.10	115.81
2086.00	21.90	115.58	2011.06	437.08	-190.02	393.62	0.62	437.08	115.77
2150.00	22.70	116.32	2070.28	461.36	-200.65	415.45	1.32	461.37	115.78
2213.00	22.41	115.87	2128.46	485.53	-211.28	437.15	0.54	485.53	115.79
2277.00	22.04	115.93	2187.70	509.73	-221.85	458.93	0.58	509.74	115.80
2341.00	21.51	116.22	2247.14	533.47	-232.28	480.25	0.85	533.48	115.81
2405.00	19.65	116.15	2307.05	555.97	-242.21	500.44	2.91	555.97	115.83
2500.00	19.88	115.56	2396.45	588.09	-256.22	529.35	0.32	588.10	115.83
2564.00	20.91	113.94	2456.44	610.39	-265.55	549.61	1.84	610.40	115.79
2629.00	21.36	114.51	2517.07	633.82	-275.17	570.98	0.76	633.83	115.73
2692.00	20.98	114.07	2575.82	656.57	-284.53	591.72	0.65	656.57	115.68
2755.00	19.68	113.11	2634.89	678.44	-293.29	611.77	2.13	678.44	115.61
2819.00	20.36	112.22	2695.02	700.32	-301.73	631.99	1.16	700.32	115.52
2883.00	20.61	113.39	2754.98	722.70	-310.41	652.64	0.75	722.70	115.44
2944.00	20.82	115.76	2812.03	744.27	-319.39	672.25	1.42	744.27	115.41
3011.00	19.21	116.30	2874.99	767.20	-329.45	692.86	2.42	767.20	115.43
3074.00	17.71	114.97	2934.74	787.14	-338.08	710.84	2.47	787.14	115.44
3138.00	16.39	117.89	2995.93	805.90	-346.42	727.65	2.46	805.90	115.46
3201.00	16.36	119.29	3056.37	823.63	-354.92	743.24	0.63	823.63	115.53
3265.00	17.00	121.97	3117.68	841.92	-364.28	759.04	1.56	841.93	115.64
3329.00	15.74	118.80	3179.09	859.89	-373.42	774.58	2.41	859.89	115.74
3393.00	17.16	118.19	3240.47	877.99	-382.06	790.51	2.24	878.00	115.79
3457.00	22.20	121.71	3300.71	899.45	-392.88	809.13	8.09	899.47	115.90



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-6 #148N
Wellpath: DH - Job #32D0107034

Date: 02/19/2007 Time: 20:48:19 Page: 2
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,115.52Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3521.00	19.57	122.37	3360.50	922.12	-404.98	828.47	4.13	922.16	116.05
3585.00	18.83	121.31	3420.94	943.04	-416.08	846.35	1.28	943.10	116.18
3649.00	19.28	118.80	3481.43	963.86	-426.54	864.44	1.46	963.94	116.26
3713.00	19.58	115.77	3541.79	985.14	-436.29	883.35	1.64	985.22	116.29
3776.00	20.13	116.70	3601.05	1006.53	-445.75	902.54	1.01	1006.62	116.28
3845.00	20.26	115.22	3665.80	1030.35	-456.18	923.96	0.76	1030.44	116.28
3904.00	19.81	112.73	3721.23	1050.55	-464.40	942.42	1.63	1050.63	116.23
3968.00	18.24	112.00	3781.74	1071.38	-472.34	961.71	2.48	1071.45	116.16
4032.00	15.41	111.04	3842.99	1089.86	-479.15	978.94	4.44	1089.91	116.08
4127.00	12.72	109.94	3935.14	1112.85	-487.24	1000.56	2.85	1112.89	115.96
4191.00	11.04	109.42	3997.76	1125.96	-491.69	1012.96	2.63	1125.98	115.89
4255.00	8.50	110.60	4060.83	1136.77	-495.39	1023.17	3.98	1136.79	115.83
4319.00	6.93	110.04	4124.25	1145.32	-498.38	1031.22	2.46	1145.34	115.79
4382.00	6.26	110.46	4186.83	1152.53	-500.88	1038.01	1.07	1152.54	115.76
4446.00	5.33	110.40	4250.50	1158.97	-503.13	1044.07	1.45	1158.97	115.73
4498.00	3.99	107.77	4302.33	1163.16	-504.53	1048.05	2.61	1163.17	115.71
4543.00	2.83	105.49	4347.25	1165.81	-505.30	1050.62	2.59	1165.81	115.69
4588.00	1.67	103.21	4392.21	1167.54	-505.75	1052.32	2.58	1167.55	115.67



Scientific
Drilling

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