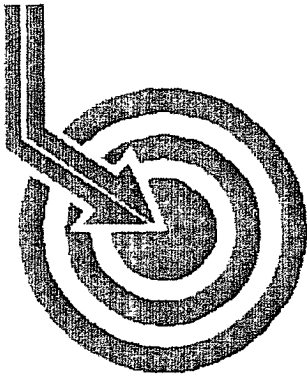




Scientific Drilling

BURLINGTON RESOURCES

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 #104N
Wellpath: DH - Job #32D0706521
Survey: 07/01/06-07/28/06

API 30-039-29824

RCVD FEB20'07

OIL CONS. DIV.

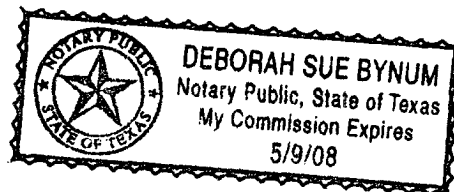
DIST. 3

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

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

Notorized this date 26th of September, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 09/26/2006	Time: 08:44:18	Page: 1
Field: San Juan	Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, Grid North		
Site: Rio Arriba County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: San Juan 27-5 #104N	Section (VS) Reference: Well (0.00N,0.00E,68.52Azi)		
Wellpath: DH - Job #32D0706521	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 07/01/06-07/28/06	Start Date: 07/01/2006
E-field: 0'-5560'	
Company: Scientific Drilling Internatio	Engineer: Calvert/Heikkinen/Oleniczak/St
Tool: E-field;E-field	Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm 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
453.00	1.60	154.15	452.94	0.48	-5.69	2.76	0.35	6.32	154.15
480.00	1.56	144.57	479.93	0.60	-6.33	3.14	0.99	7.06	153.65
511.00	2.29	112.31	510.91	1.15	-6.91	3.95	4.13	7.96	150.23
559.00	4.42	85.79	558.83	3.61	-7.14	6.68	5.38	9.78	136.88
590.00	5.54	81.80	589.71	6.20	-6.84	9.36	3.78	11.59	126.15
622.00	6.89	80.91	621.53	9.58	-6.31	12.78	4.23	14.26	116.29
653.00	8.28	79.88	652.25	13.59	-5.63	16.82	4.51	17.73	108.50
684.00	10.08	77.66	682.86	18.45	-4.65	21.66	5.92	22.16	102.13
715.00	11.79	74.80	713.29	24.28	-3.24	27.37	5.79	27.56	96.76
746.00	13.21	73.60	743.56	30.96	-1.41	33.82	4.66	33.85	92.39
777.00	14.39	71.98	773.66	38.33	0.78	40.89	4.01	40.89	88.91
808.00	15.54	70.23	803.61	46.33	3.37	48.46	3.99	48.57	86.02
839.00	16.69	67.53	833.39	54.93	6.48	56.48	4.43	56.85	83.45
869.00	18.15	66.90	862.01	63.91	9.96	64.76	4.91	65.52	81.26
900.00	19.52	68.53	891.35	73.91	13.75	74.02	4.73	75.29	79.48
930.00	20.37	66.88	919.55	84.15	17.63	83.49	3.40	85.33	78.07
961.00	20.89	65.39	948.57	95.06	22.06	93.47	2.38	96.04	76.72
992.00	21.13	64.42	977.51	106.15	26.77	103.54	1.36	106.94	75.50
1054.00	21.57	64.66	1035.25	128.67	36.47	123.92	0.72	129.17	73.60
1114.00	21.42	65.95	1091.08	150.62	45.66	143.89	0.83	150.96	72.40
1175.00	21.85	66.24	1147.78	173.09	54.77	164.45	0.73	173.33	71.58
1237.00	21.33	68.14	1205.43	195.89	63.62	185.48	1.40	196.08	71.07
1300.00	21.44	69.32	1264.09	218.86	71.95	206.88	0.71	219.04	70.82
1362.00	22.13	69.29	1321.67	241.87	80.08	228.41	1.11	242.04	70.68
1424.00	21.67	67.96	1379.19	264.99	88.51	249.94	1.09	265.15	70.50
1486.00	21.38	68.43	1436.87	287.74	96.96	271.06	0.54	287.88	70.32
1550.00	21.27	67.77	1496.49	311.01	105.64	292.66	0.41	311.14	70.15
1613.00	19.76	68.15	1555.49	333.09	113.93	313.12	2.41	333.20	70.01
1676.00	18.20	69.70	1615.06	353.58	121.30	332.23	2.60	353.69	69.94
1740.00	18.59	68.08	1675.79	373.77	128.58	351.07	1.00	373.88	69.88
1805.00	18.75	69.23	1737.37	394.58	136.15	370.45	0.62	394.68	69.82
1867.00	18.95	69.77	1796.05	414.61	143.17	389.21	0.43	414.71	69.80
1928.00	18.79	69.15	1853.77	434.33	150.09	407.69	0.42	434.44	69.79
1992.00	19.82	68.09	1914.17	455.49	157.81	427.39	1.70	455.59	69.73
2054.00	19.98	67.23	1972.47	476.59	165.83	446.91	0.54	476.68	69.64
2117.00	20.34	67.34	2031.61	498.30	174.21	466.94	0.57	498.38	69.54
2179.00	19.51	66.75	2089.90	519.42	182.45	486.39	1.38	519.49	69.44
2242.00	20.03	66.46	2149.18	540.72	190.91	505.95	0.84	540.77	69.33
2306.00	19.83	68.17	2209.35	562.52	199.33	526.07	0.96	562.57	69.25
2369.00	20.05	67.79	2268.57	584.01	207.38	545.99	0.41	584.05	69.20
2431.00	20.32	68.47	2326.76	605.40	215.35	565.85	0.58	605.44	69.16
2493.00	20.39	67.47	2384.89	626.97	223.44	585.84	0.57	627.00	69.12
2557.00	19.77	67.51	2445.00	648.93	231.85	606.13	0.97	648.96	69.07
2620.00	19.89	66.24	2504.27	670.30	240.25	625.79	0.71	670.32	69.00
2683.00	19.49	67.87	2563.58	691.51	248.52	645.33	1.08	691.53	68.94
2746.00	18.59	67.53	2623.14	712.06	256.32	664.35	1.44	712.08	68.90
2808.00	18.58	68.96	2681.90	731.82	263.64	682.70	0.74	731.84	68.88
2871.00	18.12	69.00	2741.70	751.66	270.76	701.21	0.73	751.67	68.89



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 09/26/2006	Time: 08:44:18	Page: 2
Field: San Juan	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, Grid North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: San Juan 27-5 #104N	Section (VS) Reference:	Well (0.00N,0.00E,68.52Azi)	
Wellpath: DH - Job #32D0708521	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2935.00	17.89	69.42	2802.57	771.44	277.78	719.71	0.41	771.45	68.90
2998.00	18.55	69.52	2862.41	791.13	284.69	738.15	1.05	791.15	68.91
3060.00	19.93	69.35	2920.94	811.56	291.86	757.28	2.23	811.58	68.92
3122.00	20.21	68.54	2979.18	832.83	299.51	777.14	0.64	832.85	68.92
3185.00	20.10	69.06	3038.32	854.54	307.36	797.37	0.33	854.56	68.92
3248.00	20.12	68.04	3097.48	876.20	315.28	817.53	0.56	876.22	68.91
3343.00	20.28	68.64	3186.64	909.00	327.39	848.02	0.28	909.02	68.89
3406.00	19.14	68.89	3245.94	930.25	335.08	867.83	1.81	930.27	68.89
3470.00	18.70	68.77	3308.49	951.00	342.58	887.18	0.69	951.02	68.89
3534.00	18.28	68.47	3367.18	971.30	349.98	906.08	0.67	971.32	68.88
3597.00	18.65	70.24	3426.94	991.25	357.01	924.75	1.07	991.27	68.89
3661.00	19.09	70.62	3487.50	1011.94	363.94	944.25	0.71	1011.96	68.92
3724.00	19.35	68.95	3546.99	1032.67	371.11	963.71	0.97	1032.70	68.94
3787.00	19.31	69.78	3606.44	1053.52	378.46	983.23	0.44	1053.55	68.95
3850.00	19.90	69.56	3665.78	1074.65	385.80	1003.05	0.94	1074.68	68.96
3912.00	20.31	69.10	3724.01	1095.96	393.33	1022.99	0.71	1096.00	68.97
3976.00	19.79	69.50	3784.13	1117.90	401.08	1043.51	0.84	1117.94	68.98
4038.00	20.08	67.82	3842.41	1139.04	408.78	1063.20	1.04	1139.07	68.97
4101.00	19.60	68.12	3901.67	1160.42	416.80	1083.02	0.78	1160.45	68.95
4163.00	18.89	68.18	3960.21	1180.85	424.40	1101.99	1.15	1180.89	68.94
4226.00	18.63	68.63	4019.86	1201.12	431.86	1120.83	0.47	1201.15	68.93
4289.00	17.99	68.91	4079.67	1220.91	439.03	1139.27	1.03	1220.94	68.93
4351.00	18.31	68.94	4138.59	1240.22	445.97	1157.30	0.52	1240.25	68.93
4415.00	18.58	68.18	4199.30	1260.47	453.37	1176.14	0.56	1260.50	68.92
4477.00	18.50	69.76	4258.08	1280.18	460.45	1194.54	0.82	1280.21	68.92
4539.00	18.08	68.30	4316.95	1299.64	467.41	1212.71	1.00	1299.67	68.92
4602.00	18.15	68.01	4376.83	1319.22	474.70	1230.89	0.18	1319.25	68.91
4663.00	17.59	66.54	4434.88	1337.94	481.92	1248.16	1.18	1337.96	68.89
4725.00	18.97	66.48	4493.75	1357.37	489.68	1265.99	2.23	1357.39	68.85
4788.00	18.68	68.46	4553.38	1377.69	497.47	1284.76	1.11	1377.71	68.83
4852.00	17.76	69.58	4614.17	1397.70	504.64	1303.45	1.54	1397.72	68.84
4915.00	18.61	69.86	4674.03	1417.36	511.45	1321.89	1.36	1417.38	68.85
4978.00	18.35	69.20	4733.78	1437.32	518.43	1340.60	0.53	1437.35	68.86
5040.00	18.83	69.95	4792.54	1457.09	525.33	1359.12	0.86	1457.11	68.87
5102.00	18.12	69.11	4851.35	1476.73	532.20	1377.53	1.22	1476.76	68.88
5165.00	16.17	68.64	4911.55	1495.30	538.89	1394.85	3.10	1495.33	68.88
5226.00	13.89	66.43	4970.46	1511.11	544.91	1409.47	3.85	1511.14	68.86
5290.00	11.31	64.47	5032.91	1525.05	550.89	1422.18	4.09	1525.07	68.83
5353.00	8.50	65.78	5094.96	1535.87	555.26	1432.00	4.47	1535.89	68.81
5416.00	5.98	68.68	5157.46	1543.80	558.36	1439.31	4.04	1543.82	68.80
5477.00	4.29	68.29	5218.21	1549.26	560.36	1444.39	2.77	1549.28	68.80
5515.00	2.95	64.64	5256.13	1551.66	561.31	1446.59	3.58	1551.67	68.79
5560.00	1.36	60.32	5301.10	1553.34	562.07	1448.10	3.55	1553.36	68.79



Scientific
Drilling

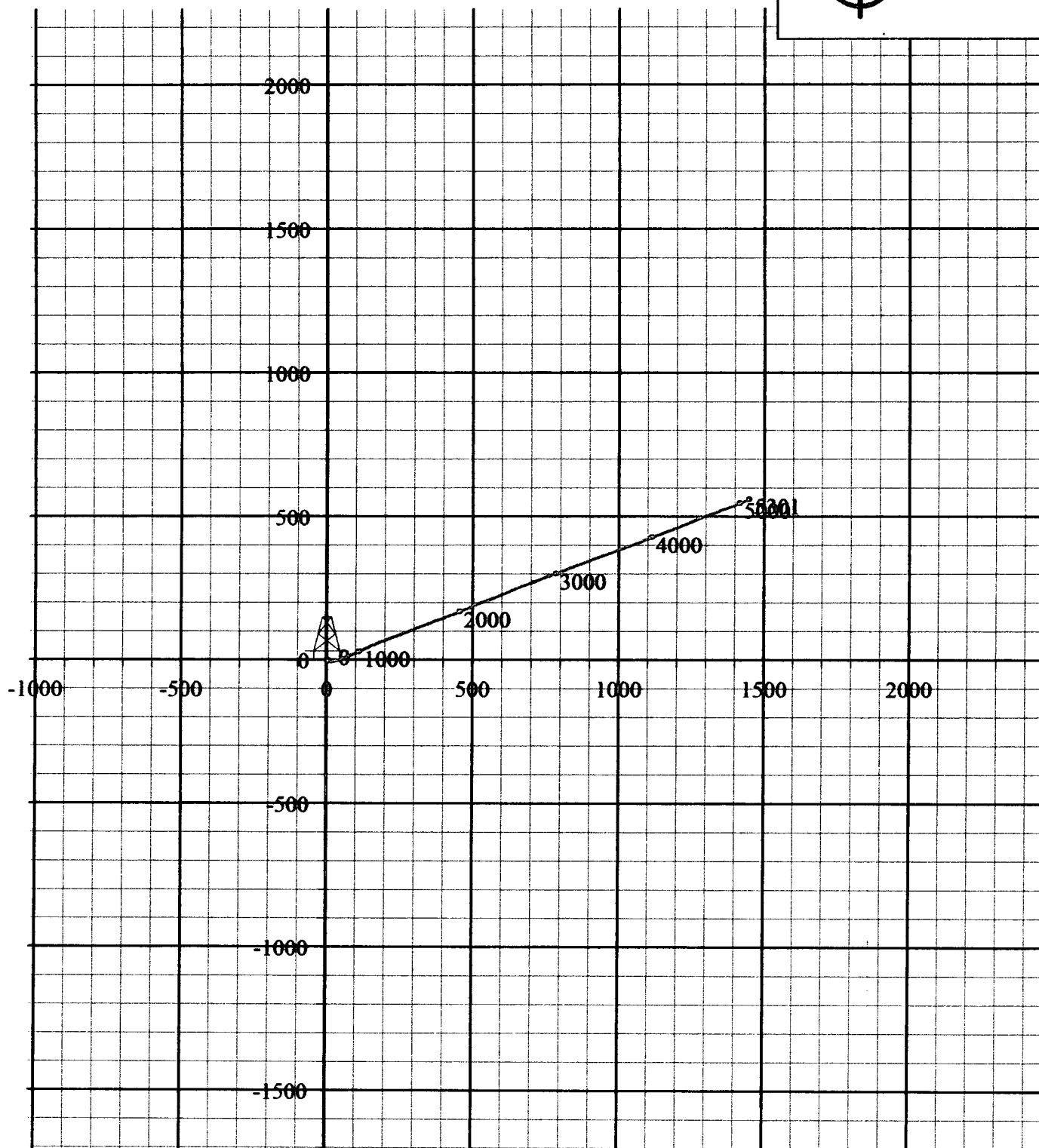
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 #104N
Wellpath: DH - Job #32D0706521
Survey: 07/01/06-07/28/06



G/T/M
Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 09/25/2006
Model: igrf2000

South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]