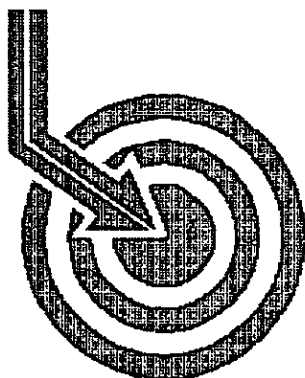




Scientific Drilling

BURLINGTON RESOURCES

Field: San Juan

Site: Rio Arriba County, NM

Well: San Juan 28-6 #159M

Wellpath: DH - Job #32D1006858

Survey: 10/23/06-12/04/06

API 30-039-29915

Surface: 1480/N 1295/W
Int. BHL 727/N 697/W

MD

TVD

Need B.H. deviation at T.D.

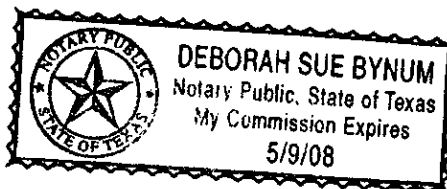
This survey is correct to the best of my knowledge
and is supported by actual field data.

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

Notorized this date 16th of January, 2007.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 01/16/2007	Time: 16:34:54	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 28-6 #159M	Section (VS) Reference:	Well (0.00N,0.00E,321.79Azi)	
Wellpath: DH - Job #32D1006858	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 10/23/06-12/04/06	Start Date: 10/23/2006
E-field 0'-3835'	
Company: Scientific Drilling Internatio	Engineer: Calvert/Newlen/Oleniczak/Sharp
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	ChSD ft	ChSA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314.00	2.00	205.08	313.94	-2.46	-4.96	-2.32	0.64	5.48	205.08
398.00	2.54	201.87	397.87	-4.05	-8.02	-3.64	0.66	8.80	204.40
480.00	2.59	222.77	459.81	-4.96	-10.32	-5.10	1.50	11.51	206.30
522.00	3.36	277.71	521.74	-3.87	-11.11	-7.85	4.56	13.60	215.26
582.00	5.18	295.42	581.57	-0.18	-9.71	-12.04	3.71	15.47	231.13
644.00	7.28	302.51	643.20	6.04	-6.39	-17.88	3.60	18.99	250.32
706.00	9.36	314.74	704.55	14.75	-0.73	-24.78	4.39	24.79	268.30
767.00	11.39	322.33	764.55	25.70	7.53	-31.98	4.01	32.86	283.24
799.00	12.41	325.89	795.87	32.29	12.88	-35.84	3.93	38.09	289.76
862.00	14.40	327.99	857.15	46.83	25.12	-43.79	3.25	50.49	299.84
925.00	16.61	329.50	917.85	63.54	39.53	-52.52	3.57	65.73	306.97
987.00	18.68	328.86	976.93	82.18	55.66	-62.15	3.35	83.43	311.85
1049.00	20.60	325.31	1035.32	102.92	73.13	-73.49	3.64	103.68	314.86
1111.00	21.23	324.29	1093.24	125.02	91.21	-86.25	1.17	125.54	316.60
1172.00	21.31	323.85	1150.08	147.13	109.13	-99.24	0.29	147.51	317.72
1235.00	20.34	323.18	1208.97	169.52	127.14	-112.55	1.59	169.80	318.48
1298.00	21.16	326.05	1267.88	191.81	145.34	-125.47	2.07	192.00	319.20
1361.00	20.78	327.51	1326.71	214.27	164.20	-137.82	1.03	214.37	319.99
1424.00	21.17	327.22	1385.53	236.71	183.19	-149.98	0.64	236.75	320.69
1488.00	22.01	326.23	1445.04	260.17	202.88	-162.90	1.43	260.18	321.24
1550.00	22.40	323.45	1502.45	283.56	222.02	-176.40	1.81	283.57	321.53
1614.00	22.12	321.58	1561.68	307.80	241.26	-191.15	1.19	307.81	321.61
1677.00	21.93	321.07	1620.08	331.43	259.71	-205.91	0.43	331.43	321.59
1740.00	21.82	320.37	1678.54	354.90	277.87	-220.77	0.45	354.90	321.53
1803.00	21.50	319.73	1737.09	378.14	295.70	-235.70	0.63	378.15	321.44
1866.00	21.40	321.81	1795.73	401.17	313.54	-250.27	1.22	401.18	321.40
1928.00	20.93	321.75	1853.55	423.56	331.13	-264.12	0.76	423.56	321.42
1990.00	20.62	321.46	1911.52	445.55	348.37	-277.78	0.53	445.56	321.43
2053.00	21.05	322.17	1970.40	467.95	365.98	-291.63	0.79	467.96	321.45
2113.00	20.56	320.34	2026.49	489.26	382.60	-304.96	1.36	489.27	321.44
2175.00	20.80	321.58	2084.49	511.15	399.61	-318.75	0.81	511.16	321.42
2238.00	20.82	322.12	2143.38	533.54	417.21	-332.58	0.31	533.54	321.44
2301.00	20.55	322.37	2202.32	555.79	434.80	-346.20	0.45	555.80	321.47
2365.00	20.73	322.90	2262.21	578.34	452.73	-359.89	0.41	578.35	321.52
2427.00	20.74	323.20	2320.20	600.29	470.27	-373.09	0.17	600.29	321.57
2490.00	21.15	323.12	2379.03	622.80	488.30	-386.59	0.65	622.81	321.63
2584.00	21.48	321.31	2466.61	656.97	515.30	-407.53	0.78	656.97	321.66
2648.00	21.03	320.55	2526.25	680.17	533.31	-422.15	0.82	680.17	321.64
2709.00	20.47	320.57	2583.29	701.77	550.00	-435.88	0.92	701.78	321.60
2772.00	19.47	319.46	2642.51	723.28	566.49	-449.70	1.70	723.28	321.56
2835.00	19.10	319.22	2701.97	744.07	582.27	-463.26	0.60	744.08	321.49
2898.00	18.70	320.25	2761.57	764.46	597.84	-476.45	0.83	764.47	321.45
2962.00	18.51	320.19	2822.23	784.87	613.53	-489.51	0.30	784.89	321.42
3025.00	18.20	321.17	2882.02	804.70	628.88	-502.08	0.69	804.72	321.40
3088.00	17.94	321.16	2941.92	824.24	644.10	-514.34	0.41	824.26	321.39
3151.00	16.64	321.00	3002.07	842.97	658.67	-526.10	2.06	842.99	321.38
3213.00	15.61	320.80	3061.63	860.18	672.03	-536.96	1.66	860.21	321.38
3277.00	15.31	319.91	3123.31	877.24	685.17	-547.84	0.60	877.26	321.36



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-6 #159M
Wellpath: DH - Job #32D1006858

Date: 01/16/2007 Time: 16:34:54 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,321.79Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

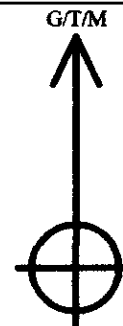
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3339.00	13.86	318.95	3183.31	892.84	697.03	-557.99	2.37	892.87	321.32
3402.00	12.84	318.54	3244.61	907.36	707.97	-567.58	1.63	907.40	321.28
3465.00	11.07	319.68	3306.24	920.40	717.83	-576.13	2.83	920.44	321.25
3528.00	9.14	324.49	3368.26	931.44	726.52	-582.95	3.34	931.48	321.26
3590.00	7.57	329.10	3429.60	940.41	734.03	-587.91	2.75	940.44	321.31
3653.00	6.37	328.99	3492.14	947.99	740.58	-591.84	1.90	948.02	321.37
3716.00	5.30	330.34	3554.81	954.34	746.11	-595.08	1.71	954.36	321.42
3787.00	3.10	346.08	3625.62	959.33	750.82	-597.17	3.47	959.34	321.50
3835.00	1.61	356.72	3673.58	961.07	752.76	-597.52	3.22	961.08	321.56



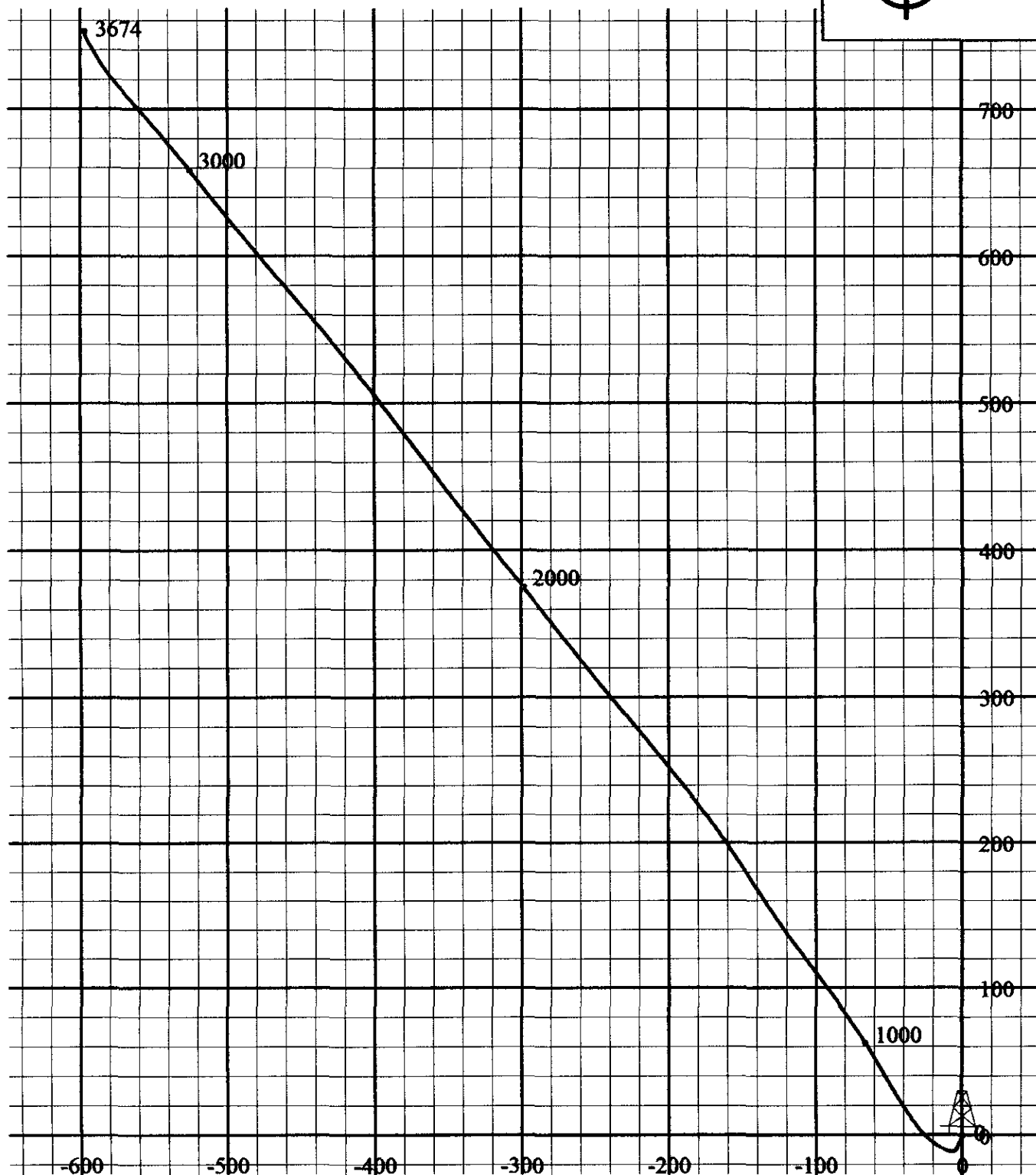
Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 28-6 #159M
Wellpath: DH - Job #32D1006858
Survey: 10/23/06-12/04/06



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 01/16/2007
Model: igrf2000



West(-)/East(+) [100ft/in]

South(-)/North(+) [100ft/in]