

8 11/2

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-5 UNIT #113F	API / UWI 3003930495	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 010-27N-005W	N/S Dist (ft) 1,590.00	N/S Ref FNL	E/W Dist (ft) 1,485.00	E/W Ref FEL

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
6/4/2008	125.00	1.00	DEVIATION	NOTE	
6/4/2008	230.00	1.00	DEVIATION	NOTE	
6/15/2008	521.00	1.52	MWD	Scientific Drilling	
6/15/2008	582.00	2.26	MWD	Scientific Drilling	
6/15/2008	644.00	4.47	MWD	Scientific Drilling	
6/15/2008	706.00	5.60	MWD	Scientific Drilling	
6/15/2008	767.00	6.85	MWD	Scientific Drilling	
6/15/2008	828.00	8.54	MWD	Scientific Drilling	
6/15/2008	890.00	10.16	MWD	Scientific Drilling	
6/15/2008	952.00	11.28	MWD	Scientific Drilling	
6/15/2008	1,012.00	11.92	MWD	Scientific Drilling	
6/15/2008	1,074.00	11.65	MWD	Scientific Drilling	
6/15/2008	1,136.00	12.06	MWD	Scientific Drilling	
6/15/2008	1,200.00	12.82	MWD	Scientific Drilling	
6/15/2008	1,264.00	14.53	MWD	Scientific Drilling	
6/15/2008	1,327.00	16.03	MWD	Scientific Drilling	
6/15/2008	1,388.00	17.45	MWD	Scientific Drilling	
6/15/2008	1,451.00	19.20	MWD	Scientific Drilling	
6/15/2008	1,512.00	20.28	MWD	Scientific Drilling	
6/16/2008	1,574.00	21.08	MWD	Scientific Drilling	
6/16/2008	1,637.00	22.40	MWD	Scientific Drilling	
6/16/2008	1,701.00	24.19	MWD	Scientific Drilling	
6/16/2008	1,765.00	24.48	MWD	Scientific Drilling	
6/16/2008	1,828.00	24.34	MWD	Scientific Drilling	
6/16/2008	1,890.00	23.83	MWD	Scientific Drilling	
6/16/2008	1,952.00	24.00	MWD	Scientific Drilling	
6/16/2008	2,014.00	23.27	MWD	Scientific Drilling	
6/16/2008	2,076.00	23.59	MWD	Scientific Drilling	
6/17/2008	2,139.00	23.80	MWD	Scientific Drilling	
6/19/2008	2,171.00	23.93	MWD	Scientific Drilling	
6/19/2008	2,233.00	23.38	MWD	Scientific Drilling	
6/19/2008	2,296.00	22.23	MWD	Scientific Drilling	
6/19/2008	2,359.00	21.48	MWD	Scientific Drilling	
6/19/2008	2,421.00	22.82	MWD	Scientific Drilling	
6/19/2008	2,485.00	22.97	MWD	Scientific Drilling	

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Mike Galt

Subscribed and sworn to me this 10/2/08

Sasha N Spangler

Notary Public in and for San Juan County, New Mexico

My Commission expires March 24th 2012

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
6/20/2008	2,548.00	22.82	MWD	Scientific Drilling
6/20/2008	2,612.00	22.54	MWD	Scientific Drilling
6/20/2008	2,675.00	22.00	MWD	Scientific Drilling
6/20/2008	2,737.00	22.65	MWD	Scientific Drilling
6/20/2008	2,800.00	22.59	MWD	Scientific Drilling
6/20/2008	2,861.00	22.93	MWD	Scientific Drilling
6/20/2008	2,924.00	23.50	MWD	Scientific Drilling
6/20/2008	2,988.00	23.80	MWD	Scientific Drilling
6/20/2008	3,050.00	23.12	MWD	Scientific Drilling
6/21/2008	3,114.00	23.34	MWD	Scientific Drilling
6/21/2008	3,176.00	23.33	MWD	Scientific Drilling
6/21/2008	3,239.00	23.43	MWD	Scientific Drilling
6/21/2008	3,302.00	23.49	MWD	Scientific Drilling
6/21/2008	3,365.00	22.84	MWD	Scientific Drilling
6/21/2008	3,429.00	23.27	MWD	Scientific Drilling
6/21/2008	3,493.00	23.59	MWD	Scientific Drilling
6/21/2008	3,555.00	24.04	MWD	Scientific Drilling
6/22/2008	3,618.00	23.40	MWD	Scientific Drilling
6/22/2008	3,681.00	23.76	MWD	Scientific Drilling
6/22/2008	3,744.00	24.10	MWD	Scientific Drilling
6/22/2008	3,807.00	24.38	MWD	Scientific Drilling
6/22/2008	3,870.00	23.31	MWD	Scientific Drilling
6/22/2008	3,933.00	21.33	MWD	Scientific Drilling
6/22/2008	3,995.00	19.75	MWD	Scientific Drilling
6/22/2008	4,057.00	17.62	MWD	Scientific Drilling
6/22/2008	4,120.00	14.11	MWD	Scientific Drilling
6/22/2008	4,183.00	12.93	MWD	Scientific Drilling
6/22/2008	4,246.00	10.56	MWD	Scientific Drilling
6/22/2008	4,309.00	8.86	MWD	Scientific Drilling
6/22/2008	4,372.00	6.97	MWD	Scientific Drilling
6/22/2008	4,435.00	5.59	MWD	Scientific Drilling
6/22/2008	4,497.00	3.63	MWD	Scientific Drilling
6/22/2008	4,560.00	2.10	MWD	Scientific Drilling
6/22/2008	4,575.00	1.73	MWD	Scientific Drilling
6/22/2008	4,620.00	0.62	MWD	Scientific Drilling
6/30/2008	8,710.00	2.00	FINAL BHS	PHOENIX

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report, and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

Abdul Galt

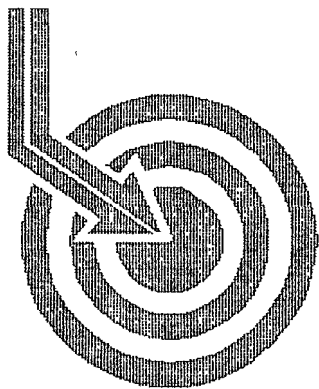
Subscribed and sworn to me this 10/2/08

Dasha N. Spangler

Notary Public in and for San Juan County, New Mexico

My Commission expires

March 24th 2012



Scientific Drilling

RCVD NOV 6 '08

OIL CONS. DIV.

BURLINGTON RESOURCES

DIST. 3

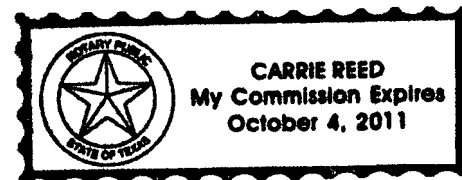
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 #113F
Wellpath: DH - Job #33D0608123
Survey: 06/13/08-06/22/08

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

.....L. Wharton.....Company Representative

Notorized this date 30th of June, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 #113F
Wellpath: DH - Job #33D0608123

Date: 06/29/2008 Time: 22:30:37 Page: 1
Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,268.57Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 06/13/08-06/22/08
E-field 0'-4575'

Start Date: 06/29/2008

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

Engineer: Calvert/Gillespie/Lockard/Flem
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
521.00	1.52	181.34	520.94	0.33	-6.91	-0.16	0.29	6.91	181.34
582.00	2.26	187.31	581.91	0.56	-8.91	-0.33	1.25	8.92	182.14
644.00	4.47	187.02	643.79	1.10	-12.52	-0.78	3.56	12.55	183.58
706.00	5.60	188.07	705.55	1.95	-17.91	-1.50	1.83	17.98	184.80
767.00	6.85	200.89	766.20	3.82	-24.26	-3.22	3.05	24.47	187.56
828.00	8.54	200.39	826.64	6.89	-31.91	-6.09	2.77	32.48	190.81
890.00	10.16	203.60	887.82	10.91	-41.23	-9.89	2.74	42.40	193.49
952.00	11.28	210.76	948.74	16.46	-51.45	-15.18	2.80	53.65	196.44
1012.00	11.92	222.31	1007.52	23.87	-61.08	-22.35	4.01	65.04	200.10
1074.00	11.65	226.86	1068.22	32.97	-70.10	-31.23	1.56	76.74	204.01
1136.00	12.06	235.05	1128.90	43.04	-78.09	-41.11	2.79	88.25	207.76
1200.00	12.82	244.10	1191.40	55.08	-85.02	-52.98	3.27	100.17	211.93
1264.00	14.53	254.00	1253.59	69.32	-90.34	-67.08	4.52	112.52	216.60
1327.00	16.03	258.41	1314.37	85.53	-94.26	-83.20	3.01	125.73	221.43
1388.00	17.45	262.12	1372.78	102.91	-97.21	-100.52	2.91	139.83	225.96
1451.00	19.20	267.95	1432.59	122.66	-98.87	-120.23	4.02	155.66	230.57
1512.00	20.28	271.10	1490.01	143.25	-99.03	-140.82	2.48	172.16	234.88
1574.00	21.08	271.97	1548.01	165.12	-98.44	-162.71	1.38	190.17	238.83
1637.00	22.40	273.37	1606.53	188.39	-97.35	-186.02	2.25	209.95	242.38
1701.00	24.19	279.95	1665.32	213.40	-94.36	-211.11	4.93	231.24	245.92
1765.00	24.48	279.47	1723.63	239.28	-89.91	-237.11	0.55	253.58	249.23
1828.00	24.34	281.42	1781.00	264.75	-85.20	-262.71	1.30	276.18	252.03
1890.00	23.83	276.50	1837.61	289.62	-81.25	-287.68	3.34	298.93	254.23
1952.00	24.00	279.51	1894.29	314.40	-77.75	-312.56	1.99	322.08	256.03
2014.00	23.27	279.72	1951.09	338.80	-73.60	-337.07	1.19	345.01	257.68
2076.00	23.59	278.37	2007.98	363.04	-69.72	-361.41	1.01	368.07	259.08
2139.00	23.80	275.06	2065.67	388.09	-66.77	-386.55	2.14	392.27	260.20
2171.00	23.93	273.77	2094.93	400.97	-65.77	-399.45	1.68	404.83	260.65
2233.00	23.38	269.19	2151.73	425.80	-65.12	-424.30	3.09	429.27	261.27
2296.00	22.23	268.22	2209.80	450.21	-65.66	-448.71	1.92	453.49	261.67
2359.00	21.48	275.48	2268.28	473.59	-64.93	-472.11	4.45	476.56	262.17
2421.00	22.82	274.02	2325.71	496.82	-63.01	-495.41	2.34	499.40	262.75
2485.00	22.97	273.68	2384.67	521.62	-61.33	-520.25	0.31	523.85	263.28
2548.00	22.82	271.62	2442.70	546.06	-60.20	-544.73	1.29	548.04	263.69
2612.00	22.54	273.81	2501.76	570.67	-59.03	-569.37	1.39	572.43	264.08
2675.00	22.00	274.92	2560.06	594.42	-57.22	-593.18	1.09	595.93	264.49
2737.00	22.65	271.94	2617.41	617.88	-55.82	-616.68	2.11	619.20	264.83
2800.00	22.59	273.73	2675.57	642.04	-54.62	-640.88	1.10	643.20	265.13
2861.00	22.93	272.47	2731.82	665.57	-53.35	-664.44	0.97	666.58	265.41
2924.00	23.50	270.37	2789.72	690.37	-52.74	-689.27	1.60	691.28	265.62
2988.00	23.80	271.26	2848.34	716.02	-52.37	-714.94	0.73	716.85	265.81
3050.00	23.12	270.64	2905.22	740.68	-51.96	-739.62	1.17	741.44	265.98
3114.00	23.34	270.74	2964.03	765.91	-51.66	-764.86	0.35	766.60	266.14
3176.00	23.33	274.10	3020.96	790.40	-50.62	-789.38	2.15	791.00	266.33
3239.00	23.43	274.50	3078.79	815.28	-48.74	-814.31	0.30	815.77	266.57
3302.00	23.49	272.62	3136.58	840.26	-47.19	-839.34	1.19	840.67	266.78
3365.00	22.84	272.57	3194.50	864.98	-46.07	-864.10	1.03	865.33	266.95
3429.00	23.27	272.82	3253.39	889.98	-44.89	-889.14	0.69	890.27	267.11



Scientific Drilling International

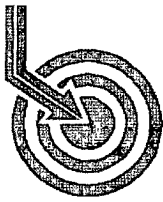
Survey Report

Company: BURLINGTON RESOURCES
 Field: San Juan
 Site: Rio Arriba County, NM
 Well: San Juan 27-5 #113F
 Wellpath: DH - Job #33D0608123

Date: 06/29/2008 Time: 22:30:37 Page: 2
 Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,268.57Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

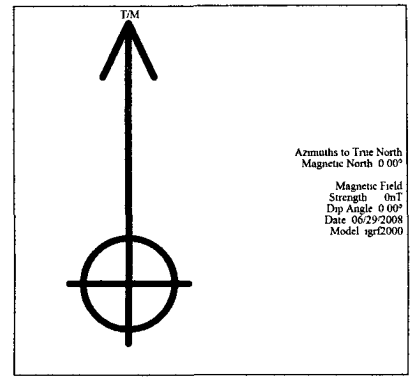
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
3493.00	23.59	272.90	3312.11	915.36	-43.62	-914.55	0.50	915.59	267.27
3555.00	24.04	272.79	3368.83	940.32	-42.37	-939.56	0.73	940.51	267.42
3618.00	23.40	272.19	3426.51	965.60	-41.27	-964.87	1.09	965.76	267.55
3681.00	23.76	271.57	3484.25	990.76	-40.45	-990.06	0.69	990.89	267.66
3744.00	24.10	271.49	3541.83	1016.28	-39.76	-1015.61	0.54	1016.39	267.76
3807.00	24.38	271.46	3599.28	1042.11	-39.10	-1041.46	0.44	1042.20	267.85
3870.00	23.31	271.93	3656.90	1067.55	-38.35	-1066.92	1.72	1067.61	267.94
3933.00	21.33	272.51	3715.18	1091.42	-37.42	-1090.83	3.16	1091.47	268.04
3995.00	19.75	271.19	3773.23	1113.14	-36.71	-1112.57	2.66	1113.17	268.11
4057.00	17.62	271.02	3831.96	1132.98	-36.33	-1132.42	3.44	1133.01	268.16
4120.00	14.11	269.02	3892.55	1150.19	-36.29	-1149.64	5.64	1150.21	268.19
4183.00	12.93	266.74	3953.81	1164.91	-36.82	-1164.36	2.05	1164.94	268.19
4246.00	10.56	266.22	4015.48	1177.73	-37.60	-1177.16	3.77	1177.76	268.17
4309.00	8.86	268.84	4077.58	1188.35	-38.08	-1187.77	2.79	1188.38	268.16
4372.00	6.97	270.96	4139.98	1197.02	-38.12	-1196.44	3.04	1197.05	268.18
4435.00	5.59	275.31	4202.60	1203.89	-37.77	-1203.32	2.32	1203.91	268.20
4497.00	3.63	276.19	4264.39	1208.83	-37.28	-1208.28	3.16	1208.85	268.23
4560.00	2.10	271.94	4327.31	1211.96	-37.02	-1211.41	2.45	1211.98	268.25
4575.00	1.73	276.63	4342.30	1212.46	-36.99	-1211.91	2.68	1212.48	268.25



Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-5 #113F
Wellpath: DH - Job #33D0608123
Survey: 06/13/08-06/22/08



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

