

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

"As Drilled Plat"
State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form G-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30484		² Pool Code 72319/71599		³ Pool Name BLANCO MESAVERDE/BASIN DAKOTA					
⁴ Property Code 7452		⁵ Property Name SAN JUAN 27-4 UNIT						⁶ Well Number 140C	
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP						⁹ Elevation 8799	

¹⁰ SURFACE LOCATION									
UL or lot no. 1	Section 10	Township 27-N	Range 4-W	Lot Idn	Feet from the 1857'	North/South line SOUTH	Feet from the 185	East/West line EAST	County RIO ARriba

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. 0	Section 10	Township 27-N	Range 4-W	Lot Idn	Feet from the 1232'	North/South line SOUTH	Feet from the 1706'	East/West line EAST	County RIO ARriba

¹² Dedicated Acres 320.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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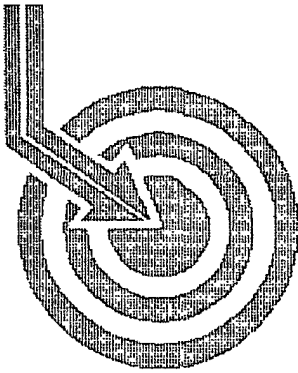
RCVD SEP 21 '09
OIL CONS. DIV.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

DIST. 3

16 <i>9/21/09</i>	E/2 DEDICATED ACREAGE USA SF-080668 SECTION 10 T-27-N, R-4-W				5257.9' (R)
	WELL FLAG NAD 83 LAT: 38.585540° N LONG: 107.230248° W NAD 27 LAT: 38° 35.131811' N LONG: 107° 13.778902' W				
	S 67°51'17" W 1680.4' 1706' 1232' 1860' S 0°47'11" E				
	S 89°39'02" W 5213.9' (R)				
17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Ethel Tally</i> Signature Ethel Tally Printed Name Staff Regulatory Technician Title and E-mail Address 8-25-09 Date					
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 11/09/06 Signature and Seal of Professional Surveyor: Certificate Number: NM 11303					

8/9/22



Scientific Drilling

RCVD AUG 26 '09
OIL CONS. DIV.

DIST. 3

BURLINGTON RESOURCES

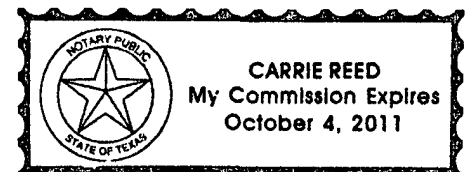
Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #140C
Wellpath: DH - Job #33D0509085
Survey: 05/10/09-05/16/09

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

.....Richard..... Company Representative

Notorized this date 1st of June, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 05/29/2009	Time: 10:29:44	Page: 1
Field: San Juan	Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North		
Site: Rio Arriba County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: San Juan 27-4 #140C	Section (VS) Reference: Well (0.00N,0.00E,247.67Azi)		
Wellpath: DH - Job #33D0509085	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 05/10/09-05/16/09	Start Date: 05/10/2009
Company: Scientific Drilling Internatio	Engineer: Burrus/Webb/Clifton/Flower
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
360.00	0.66	351.44	359.99	-0.49	2.05	-0.31	0.18	2.07	351.44
390.00	0.84	337.55	389.99	-0.53	2.42	-0.42	0.85	2.46	350.21
420.00	0.99	309.08	419.99	-0.41	2.79	-0.70	1.58	2.88	345.85
450.00	1.40	296.57	449.98	-0.04	3.12	-1.23	1.61	3.35	338.44
481.00	1.99	288.03	480.97	0.61	3.45	-2.08	2.07	4.03	328.91
511.00	2.60	281.23	510.94	1.58	3.75	-3.25	2.22	4.96	319.11
542.00	3.29	278.41	541.90	2.93	4.02	-4.82	2.27	6.27	309.82
572.00	3.96	274.15	571.84	4.60	4.22	-6.70	2.41	7.92	302.18
603.00	4.50	274.40	602.76	6.64	4.39	-8.98	1.74	9.99	296.03
634.00	5.21	271.66	633.64	9.01	4.52	-11.60	2.41	12.45	291.29
664.00	5.86	270.63	663.50	11.67	4.58	-14.49	2.19	15.20	287.53
695.00	6.64	269.79	694.32	14.78	4.59	-17.87	2.53	18.45	284.40
725.00	7.35	269.97	724.10	18.17	4.58	-21.52	2.37	22.00	282.02
756.00	8.18	269.02	754.81	22.05	4.54	-25.71	2.71	26.11	280.02
787.00	8.93	268.33	785.47	26.36	4.43	-30.32	2.44	30.64	278.32
818.00	9.80	265.57	816.05	31.12	4.16	-35.35	3.16	35.60	276.71
866.00	10.19	262.33	863.33	39.12	3.28	-43.64	1.43	43.76	274.30
911.00	11.61	259.24	907.51	47.40	1.90	-52.03	3.41	52.06	272.09
956.00	12.77	256.50	951.50	56.75	-0.11	-61.31	2.88	61.31	269.90
1001.00	13.97	254.87	995.28	67.06	-2.68	-71.39	2.79	71.44	267.85
1046.00	14.85	252.16	1038.86	78.20	-5.87	-82.13	2.46	82.34	265.91
1091.00	15.97	250.10	1082.24	90.13	-9.74	-93.44	2.77	93.94	264.05
1136.00	16.50	247.90	1125.45	102.71	-14.25	-105.18	1.80	106.14	262.28
1181.00	17.08	247.68	1168.53	115.71	-19.17	-117.21	1.30	118.77	260.71
1226.00	17.71	246.87	1211.47	129.16	-24.37	-129.62	1.50	131.89	259.35
1271.00	18.43	246.72	1254.25	143.11	-29.87	-142.45	1.60	145.55	258.16
1316.00	19.13	246.31	1296.86	157.60	-35.64	-155.74	1.58	159.76	257.11
1361.00	19.79	246.39	1339.29	172.59	-41.65	-169.47	1.47	174.51	256.19
1406.00	20.53	246.17	1381.53	188.09	-47.89	-183.67	1.65	189.81	255.38
1451.00	21.31	246.45	1423.56	204.15	-54.35	-198.38	1.75	205.69	254.68
1496.00	22.41	246.55	1465.33	220.90	-61.03	-213.75	2.45	222.29	254.06
1541.00	23.30	246.18	1506.79	238.38	-68.04	-229.76	2.00	239.62	253.50
1586.00	24.20	245.28	1547.98	256.49	-75.49	-246.28	2.16	257.59	252.96
1631.00	24.95	244.47	1588.90	275.18	-83.44	-263.22	1.83	276.13	252.41
1676.00	25.99	245.34	1629.53	294.51	-91.64	-280.75	2.46	295.33	251.92
1721.00	26.84	245.74	1669.83	314.52	-99.93	-298.97	1.93	315.23	251.52
1766.00	27.57	245.71	1709.85	335.08	-108.39	-317.72	1.62	335.70	251.16
1811.00	27.81	246.03	1749.70	355.98	-116.94	-336.81	0.63	356.53	250.85
1856.00	28.20	246.10	1789.43	377.10	-125.51	-356.12	0.87	377.59	250.59
1901.00	28.14	245.62	1829.10	398.33	-134.20	-375.51	0.52	398.76	250.33
1946.00	28.47	245.74	1868.72	419.66	-142.98	-394.95	0.74	420.03	250.10
1991.00	28.64	246.43	1908.25	441.16	-151.70	-414.61	0.82	441.49	249.90
2036.00	28.78	246.32	1947.71	462.77	-160.37	-434.42	0.33	463.07	249.74
2080.00	29.15	245.90	1986.21	484.07	-168.99	-453.90	0.96	484.34	249.58
2125.00	28.58	245.87	2025.62	505.78	-177.87	-473.73	1.27	506.02	249.42
2170.00	27.28	246.22	2065.38	526.85	-186.43	-492.99	2.91	527.06	249.29
2215.00	27.32	246.20	2105.37	547.48	-194.75	-511.87	0.09	547.67	249.17
2260.00	27.72	245.70	2145.27	568.27	-203.23	-530.86	1.03	568.43	249.05



Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 05/29/2009	Time: 10:29:44	Page: 2
Field: San Juan	Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North		
Site: Rio Arriba County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: San Juan 27-4 #140C	Section (VS) Reference: Well (0.00N,0.00E,247.67Azi)		
Wellpath: DH - Job #33D0509085	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
2305.00	27.65	245.68	2185.12	589.16	-211.84	-549.92	0.16	589.31	248.93
2350.00	26.96	246.45	2225.11	609.80	-220.21	-568.78	1.72	609.92	248.84
2395.00	26.57	245.48	2265.29	630.05	-228.46	-587.29	1.30	630.16	248.74
2440.00	26.40	245.48	2305.56	650.11	-236.79	-605.55	0.38	650.20	248.64
2485.00	25.97	246.95	2345.95	669.95	-244.80	-623.72	1.73	670.04	248.57
2530.00	25.26	247.73	2386.52	689.41	-252.30	-641.67	1.75	689.49	248.54
2575.00	25.28	247.64	2427.22	708.62	-259.59	-659.44	0.10	708.70	248.51
2620.00	25.06	248.26	2467.94	727.76	-266.78	-677.18	0.76	727.83	248.50
2665.00	25.59	248.44	2508.62	747.00	-273.88	-695.07	1.19	747.08	248.49
2710.00	25.95	248.25	2549.14	766.57	-281.10	-713.25	0.82	766.65	248.49
2755.00	26.21	248.23	2589.56	786.35	-288.43	-731.63	0.58	786.43	248.48
2800.00	26.57	248.70	2629.87	806.35	-295.77	-750.23	0.92	806.43	248.48
2845.00	26.48	247.97	2670.14	826.44	-303.19	-768.91	0.75	826.53	248.48
2890.00	26.75	248.12	2710.37	846.60	-310.73	-787.61	0.62	846.69	248.47
2935.00	27.29	248.65	2750.46	867.04	-318.26	-806.61	1.31	867.13	248.47
2980.00	27.51	248.56	2790.41	887.75	-325.82	-825.89	0.50	887.84	248.47
3025.00	27.59	248.50	2830.30	908.56	-333.43	-845.26	0.19	908.65	248.47
3070.00	27.56	248.07	2870.19	929.39	-341.14	-864.61	0.45	929.48	248.47
3115.00	27.71	248.05	2910.06	950.26	-348.94	-883.98	0.33	950.35	248.46
3160.00	28.02	247.71	2949.84	971.29	-356.86	-903.46	0.77	971.39	248.45
3205.00	28.44	247.41	2989.49	992.58	-364.98	-923.13	0.99	992.67	248.43
3250.00	28.73	247.49	3029.00	1014.11	-373.24	-943.02	0.65	1014.20	248.41
3295.00	28.93	247.67	3068.43	1035.81	-381.52	-963.08	0.48	1035.89	248.39
3340.00	29.20	247.46	3107.76	1057.67	-389.86	-983.28	0.64	1057.75	248.37
3385.00	29.60	247.29	3146.96	1079.76	-398.36	-1003.67	0.91	1079.84	248.35
3430.00	29.58	247.39	3186.09	1101.98	-406.92	-1024.18	0.12	1102.06	248.33
3475.00	30.35	247.33	3225.08	1124.46	-415.57	-1044.92	1.71	1124.53	248.31
3520.00	30.34	247.14	3263.91	1147.19	-424.37	-1065.89	0.21	1147.26	248.29
3565.00	29.37	247.01	3302.94	1169.59	-433.09	-1086.52	2.16	1169.66	248.27
3610.00	28.91	246.17	3342.25	1191.50	-441.80	-1106.63	1.37	1191.56	248.24
3655.00	28.72	246.58	3381.67	1213.18	-450.49	-1126.50	0.61	1213.24	248.20
3700.00	27.79	246.64	3421.31	1234.48	-458.95	-1146.05	2.07	1234.53	248.18
3745.00	27.39	246.91	3461.20	1255.32	-467.17	-1165.20	0.93	1255.37	248.15
3790.00	26.84	246.79	3501.25	1275.83	-475.23	-1184.06	1.23	1275.87	248.13
3835.00	26.30	246.42	3541.50	1295.95	-483.22	-1202.54	1.26	1295.99	248.11
3879.00	25.02	245.50	3581.16	1315.00	-490.98	-1219.94	3.05	1315.03	248.08
3924.00	23.49	246.08	3622.18	1333.47	-498.56	-1236.79	3.44	1333.50	248.05
3969.00	22.43	247.68	3663.62	1351.02	-505.46	-1252.93	2.73	1351.05	248.03
4014.00	22.22	248.04	3705.24	1368.12	-511.90	-1268.77	0.56	1368.14	248.03
4059.00	22.69	248.19	3746.83	1385.30	-518.31	-1284.72	1.05	1385.33	248.03
4104.00	22.81	248.63	3788.33	1402.70	-524.71	-1300.90	0.46	1402.73	248.03
4149.00	22.30	248.64	3829.89	1419.96	-531.00	-1316.97	1.13	1419.99	248.04
4194.00	21.83	248.26	3871.59	1436.87	-537.21	-1332.70	1.09	1436.90	248.05
4239.00	21.02	248.15	3913.48	1453.30	-543.31	-1347.96	1.80	1453.33	248.05
4284.00	20.43	248.05	3955.57	1469.23	-549.25	-1362.73	1.31	1469.26	248.05
4329.00	19.22	247.21	3997.90	1484.49	-555.06	-1376.85	2.76	1484.52	248.04
4374.00	17.51	245.82	4040.61	1498.66	-560.70	-1389.85	3.92	1498.69	248.03
4419.00	16.94	245.94	4083.59	1511.98	-566.14	-1402.02	1.27	1512.01	248.01
4464.00	15.97	244.89	4126.75	1524.72	-571.44	-1413.61	2.25	1524.74	247.99
4509.00	15.17	244.27	4170.10	1536.78	-576.63	-1424.52	1.82	1536.80	247.96
4554.00	14.01	243.60	4213.65	1548.09	-581.61	-1434.70	2.60	1548.11	247.93
4599.00	13.23	243.55	4257.38	1558.66	-586.32	-1444.19	1.73	1558.67	247.90

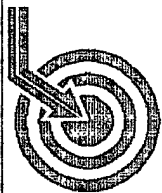


Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES	Date: 05/29/2009	Time: 10:29:44	Page: 3
Field: San Juan	Co-ordinate(NE) Reference:	Site: Rio Arriba County, NM, True North	
Site: Rio Arriba County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: San Juan 27-4 #140C	Section (VS) Reference:	Well (0.00N,0.00E,247.67Azi)	
Wellpath: DH Job #33D0509085	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
4644.00	13.03	245.94	4301.20	1568.87	-590.68	-1453.43	1.29	1568.88	247.88
4689.00	12.67	246.27	4345.08	1578.87	-594.74	-1462.58	0.82	1578.88	247.87
4734.00	12.61	245.92	4388.99	1588.71	-598.73	-1471.59	0.22	1588.72	247.86
4779.00	12.22	245.41	4432.93	1598.38	-602.71	-1480.40	0.90	1598.39	247.85
4824.00	11.07	243.83	4477.01	1607.45	-606.60	-1488.61	2.65	1607.46	247.83
4869.00	10.07	241.70	4521.24	1615.67	-610.37	-1495.95	2.39	1615.68	247.80
4913.00	8.64	242.63	4564.66	1622.79	-613.71	-1502.27	3.27	1622.80	247.78
4958.00	7.22	243.13	4609.22	1628.98	-616.55	-1507.80	3.16	1628.98	247.76
5003.00	6.07	241.47	4653.92	1634.16	-618.96	-1512.41	2.59	1634.17	247.74
5048.00	5.05	236.43	4698.71	1638.47	-621.19	-1516.15	2.51	1638.47	247.72
5094.00	4.16	231.68	4744.56	1642.06	-623.35	-1519.15	2.10	1642.06	247.69
5127.00	3.47	226.71	4777.49	1644.14	-624.77	-1520.81	2.32	1644.14	247.67



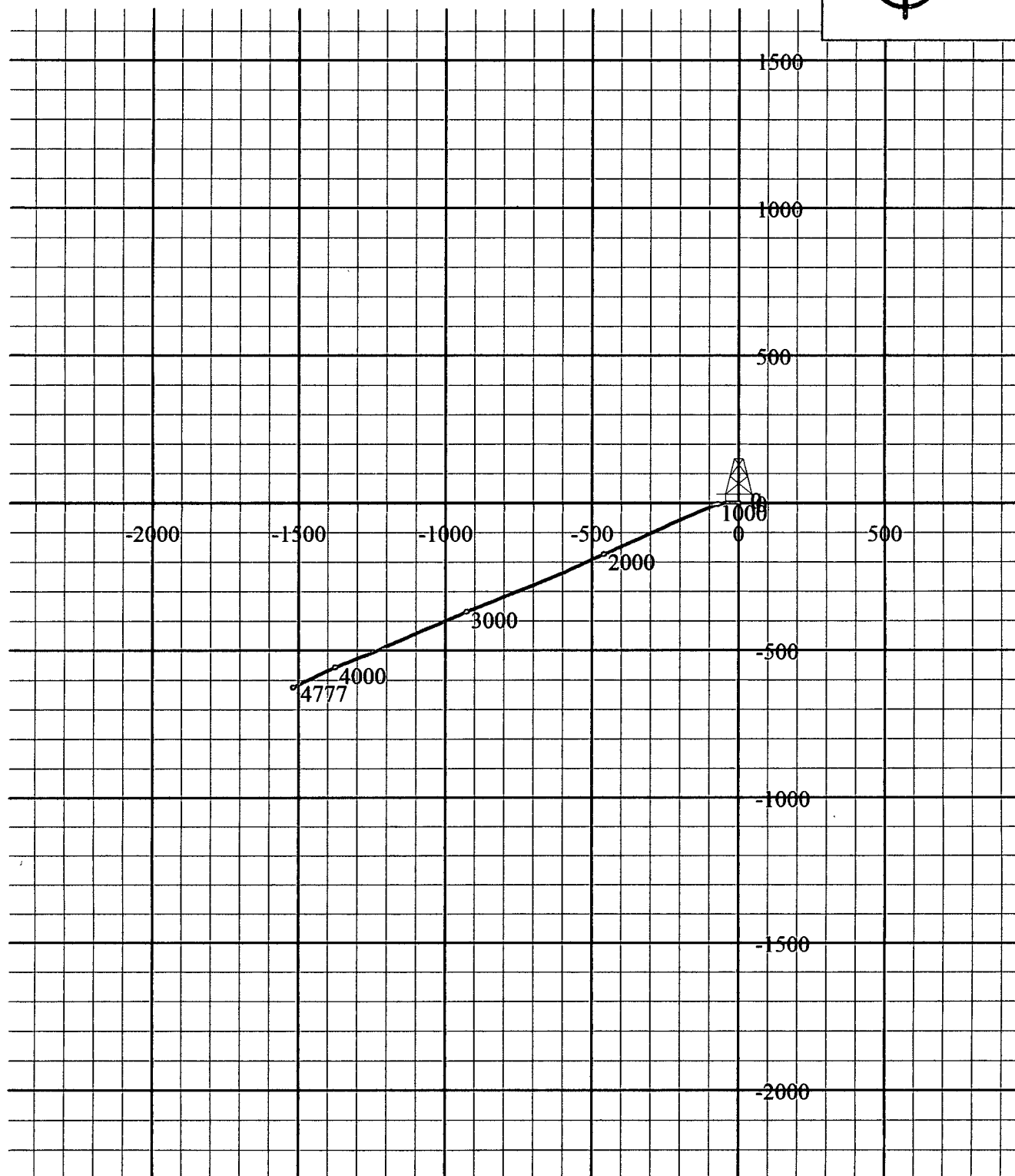
Scientific
Drilling

Field: San Juan
Site: Rio Arriba County, NM
Well: San Juan 27-4 #140C
Wellpath: DH - Job #33D0509085
Survey: 05/10/09-05/16/09



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 05/29/2009
Model: igrf2000



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

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

COP Deviation Report

SAN JUAN 27-4 UNIT #140C

RCU AUG 25 105
OIL CONS DIV
DIST. 3

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-4 UNIT #140C	API / UWI 3003930484	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 010-027N-004W-I	N/S Dist (ft) 1,857.00	N/S Ref FSL	E/W Dist (ft) 185.00	E/W Ref FEL

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/11/2009	360.00	0.66	MWD	Scientific Drilling
5/11/2009	390.00	0.84	MWD	Scientific Drilling
5/11/2009	420.00	0.99	MWD	Scientific Drilling
5/11/2009	450.00	1.40	MWD	Scientific Drilling
5/11/2009	481.00	1.99	MWD	Scientific Drilling
5/11/2009	511.00	2.60	MWD	Scientific Drilling
5/11/2009	542.00	3.29	MWD	Scientific Drilling
5/11/2009	572.00	3.96	MWD	Scientific Drilling
5/11/2009	603.00	4.50	MWD	Scientific Drilling
5/11/2009	634.00	5.21	MWD	Scientific Drilling
5/11/2009	664.00	5.86	MWD	Scientific Drilling
5/11/2009	695.00	6.64	MWD	Scientific Drilling
5/11/2009	725.00	7.35	MWD	Scientific Drilling
5/11/2009	756.00	8.18	MWD	Scientific Drilling
5/11/2009	787.00	8.93	MWD	Scientific Drilling
5/11/2009	818.00	9.80	MWD	Scientific Drilling
5/11/2009	866.00	10.19	MWD	Scientific Drilling
5/11/2009	911.00	11.61	MWD	Scientific Drilling
5/11/2009	956.00	12.77	MWD	Scientific Drilling
5/11/2009	1,001.00	13.97	MWD	Scientific Drilling
5/11/2009	1,046.00	14.85	MWD	Scientific Drilling
5/11/2009	1,091.00	15.97	MWD	Scientific Drilling
5/11/2009	1,136.00	16.50	MWD	Scientific Drilling
5/11/2009	1,181.00	17.08	MWD	Scientific Drilling
5/11/2009	1,226.00	17.71	MWD	Scientific Drilling
5/11/2009	1,271.00	18.43	MWD	Scientific Drilling
5/11/2009	1,316.00	19.13	MWD	Scientific Drilling
5/11/2009	1,361.00	19.79	MWD	Scientific Drilling
5/11/2009	1,406.00	20.53	MWD	Scientific Drilling
5/11/2009	1,451.00	21.31	MWD	Scientific Drilling
5/11/2009	1,496.00	22.41	MWD	Scientific Drilling
5/11/2009	1,541.00	23.30	MWD	Scientific Drilling
5/11/2009	1,586.00	24.20	MWD	Scientific Drilling
5/12/2009	1,631.00	24.95	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ 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.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/12/2009	1,676.00	25.99	MWD	Scientific Drilling
5/12/2009	1,721.00	26.84	MWD	Scientific Drilling
5/12/2009	1,766.00	27.57	MWD	Scientific Drilling
5/12/2009	1,811.00	27.81	MWD	Scientific Drilling
5/12/2009	1,856.00	28.20	MWD	Scientific Drilling
5/12/2009	1,901.00	28.14	MWD	Scientific Drilling
5/12/2009	1,946.00	28.47	MWD	Scientific Drilling
5/12/2009	1,991.00	28.46	MWD	Scientific Drilling
5/12/2009	2,036.00	28.78	MWD	Scientific Drilling
5/12/2009	2,080.00	29.15	MWD	Scientific Drilling
5/12/2009	2,125.00	28.58	MWD	Scientific Drilling
5/12/2009	2,170.00	27.28	MWD	Scientific Drilling
5/12/2009	2,215.00	27.32	MWD	Scientific Drilling
5/12/2009	2,260.00	27.72	MWD	Scientific Drilling
5/12/2009	2,305.00	27.65	MWD	Scientific Drilling
5/12/2009	2,350.00	26.96	MWD	Scientific Drilling
5/12/2009	2,395.00	26.57	MWD	Scientific Drilling
5/12/2009	2,440.00	26.40	MWD	Scientific Drilling
5/12/2009	2,485.00	25.97	MWD	Scientific Drilling
5/12/2009	2,530.00	25.26	MWD	Scientific Drilling
5/12/2009	2,575.00	25.28	MWD	Scientific Drilling
5/12/2009	2,620.00	25.06	MWD	Scientific Drilling
5/12/2009	2,665.00	25.59	MWD	Scientific Drilling
5/12/2009	2,710.00	25.95	MWD	Scientific Drilling
5/12/2009	2,755.00	26.21	MWD	Scientific Drilling
5/12/2009	2,800.00	26.57	MWD	Scientific Drilling
5/12/2009	2,845.00	26.48	MWD	Scientific Drilling
5/12/2009	2,890.00	26.75	MWD	Scientific Drilling
5/13/2009	2,935.00	27.29	MWD	Scientific Drilling
5/13/2009	2,980.00	27.51	MWD	Scientific Drilling
5/13/2009	3,025.00	27.59	MWD	Scientific Drilling
5/13/2009	3,070.00	27.56	MWD	Scientific Drilling
5/13/2009	3,115.00	27.71	MWD	Scientific Drilling
5/13/2009	3,160.00	28.02	MWD	Scientific Drilling
5/13/2009	3,205.00	28.44	MWD	Scientific Drilling
5/13/2009	3,250.00	28.73	MWD	Scientific Drilling
5/13/2009	3,295.00	28.93	MWD	Scientific Drilling
5/13/2009	3,340.00	29.20	MWD	Scientific Drilling
5/13/2009	3,385.00	29.60	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ 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.

Subscribed and sworn to me this _____

Notary Public in and for San Juan County, New Mexico

My Commission expires _____

COP Deviation Report **SAN JUAN 27-4 UNIT #140C**

Survey Data

Date	MD (IKB)	Incl (°)	Method	Survey Company
5/13/2009	3,430.00	29.58	MWD	Scientific Drilling
5/13/2009	3,475.00	30.35	MWD	Scientific Drilling
5/13/2009	3,520.00	30.34	MWD	Scientific Drilling
5/13/2009	3,565.00	29.37	MWD	Scientific Drilling
5/13/2009	3,610.00	28.91	MWD	Scientific Drilling
5/13/2009	3,655.00	28.72	MWD	Scientific Drilling
5/13/2009	3,700.00	27.79	MWD	Scientific Drilling
5/13/2009	3,745.00	27.39	MWD	Scientific Drilling
5/13/2009	3,790.00	26.84	MWD	Scientific Drilling
5/13/2009	3,835.00	26.30	MWD	Scientific Drilling
5/13/2009	3,879.00	25.02	MWD	Scientific Drilling
5/13/2009	3,924.00	23.49	MWD	Scientific Drilling
5/14/2009	3,969.00	22.43	MWD	Scientific Drilling
5/13/2009	4,014.00	22.22	MWD	Scientific Drilling
5/13/2009	4,059.00	22.69	MWD	Scientific Drilling
5/14/2009	4,104.00	22.81	MWD	Scientific Drilling
5/14/2009	4,149.00	22.30	MWD	Scientific Drilling
5/14/2009	4,194.00	21.83	MWD	Scientific Drilling
5/14/2009	4,239.00	21.02	MWD	Scientific Drilling
5/14/2009	4,284.00	20.43	MWD	Scientific Drilling
5/14/2009	4,329.00	19.22	MWD	Scientific Drilling
5/14/2009	4,374.00	17.51	MWD	Scientific Drilling
5/14/2009	4,419.00	16.94	MWD	Scientific Drilling
5/14/2009	4,464.00	15.97	MWD	Scientific Drilling
5/14/2009	4,509.00	15.17	MWD	Scientific Drilling
5/14/2009	4,554.00	14.01	MWD	Scientific Drilling
5/14/2009	4,599.00	13.23	MWD	Scientific Drilling
5/14/2009	4,644.00	13.03	MWD	Scientific Drilling
5/14/2009	4,689.00	12.67	MWD	Scientific Drilling
5/14/2009	4,734.00	12.61	MWD	Scientific Drilling
5/14/2009	4,779.00	12.22	MWD	Scientific Drilling
5/14/2009	4,824.00	11.07	MWD	Scientific Drilling
5/14/2009	4,869.00	10.07	MWD	Scientific Drilling
5/14/2009	4,913.00	8.64	MWD	Scientific Drilling
5/15/2009	4,958.00	7.22	MWD	Scientific Drilling
5/15/2009	5,003.00	6.07	MWD	Scientific Drilling
5/15/2009	5,048.00	5.05	MWD	Scientific Drilling
5/15/2009	5,094.00	4.16	MWD	Scientific Drilling
5/15/2009	5,127.00	3.47	MWD	Scientific Drilling

I, the undersigned, certify that I acting in my capacity as _____ 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.

Subscribed and sworn to me this _____

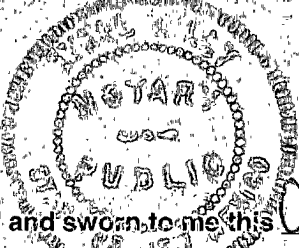
Notary Public in and for San Juan County, New Mexico

My Commission expires _____

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
5/15/2009	5,180.00	1.81	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.



Subscribed and sworn to me this

Aug 20, 2009

Ethel Tally

Notary Public in and for San Juan County, New Mexico

My Commission expires

Oct 1, 2012