

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

"AS DRILLED PLAT"

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30486		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 154M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		⁹ Elevation 7134'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	14	27-N	4-W		1565'	NORTH	2230'	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	14	27-N	4-W		2010'	NORTH	1492	EAST	RIO ARriba

13 Dedicated Acres 320.00	15 Joint or Infill	14 Consolidation Code	18 Order No. RCVD NOV 16 '09 OIL CONS. DIV.
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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

Diagram illustrating a survey area, likely a shipwreck site, showing coordinates and distances.

Key Features and Coordinates:

- SURFACE:**
 - LAT: 36° 34.5648' N
 - LONG: 107° 13.2795' W
 - NAD 1927
 - LAT: 36.578091° N
 - LONG: 107.221923° W
 - NAD 1983
- BOTTOM HOLE:** (Two locations are marked)

Distances and Bearings:

- Horizontal distance from SURFACE to the left: 2230'
- Vertical distance from SURFACE to the top: 1565'
- Vertical distance from SURFACE to the top-right: 2010'
- Horizontal distance from SURFACE to the right: 1492'
- Vertical distance from SURFACE to the top-right: 5209.6'
- Bearing from SURFACE to the top: S 89° 55' E
- Bearing from SURFACE to the left: N 00° 11' 30" E
- Bearing from SURFACE to the right: S 0° 06' 30" E

Other Labels:

- 14
- USA SF-080672
- BOTTOM HOLE

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 unleased mineral interest in the land including the proposed bottom hole location or has a right to use the well at the location pursuant to an agreement with an owner of a mineral interest in a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature Crystal Tafoya 11/13/09
Printed Name Crystal Tafoya 11/13/09

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.

11-8-03
Date of Survey _____
Signature *Glen H. Russell* Professional Surveyor
15703
NEW MEXICO
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703

COP Deviation Report

SAN JUAN 27-4 UNIT #154M

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 27-4 UNIT #154M	API / UWI 3003930486	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 014-027N-004W-F	N/S Dist (ft) 1,565.00	N/S Ref FNL	E/W Dist (ft) 2,230.00	E/W Ref FWL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/17/2009	150.00	1.25	DEVIATION	MOTE
8/17/2009	250.00	0.50	DEVIATION	MOTE
8/18/2009	355.00	0.50	DEVIATION	MOTE
8/21/2009	389.00	0.88	MWD	Scientific Drilling
8/21/2009	420.00	0.81	MWD	Scientific Drilling
8/21/2009	451.00	1.52	MWD	Scientific Drilling
8/21/2009	480.00	2.54	MWD	Scientific Drilling
8/21/2009	511.00	3.37	MWD	Scientific Drilling
8/21/2009	540.00	4.07	MWD	Scientific Drilling
8/21/2009	571.00	5.01	MWD	Scientific Drilling
8/21/2009	602.00	5.79	MWD	Scientific Drilling
8/21/2009	633.00	6.99	MWD	Scientific Drilling
8/21/2009	663.00	6.43	MWD	Scientific Drilling
8/21/2009	694.00	7.43	MWD	Scientific Drilling
8/21/2009	725.00	8.16	MWD	Scientific Drilling
8/21/2009	755.00	8.95	MWD	Scientific Drilling
8/21/2009	785.00	9.83	MWD	Scientific Drilling
8/21/2009	816.00	10.50	MWD	Scientific Drilling
8/21/2009	865.00	11.44	MWD	Scientific Drilling
8/21/2009	910.00	12.01	MWD	Scientific Drilling
8/21/2009	955.00	12.70	MWD	Scientific Drilling
8/21/2009	1,000.00	13.17	MWD	Scientific Drilling
8/21/2009	1,045.00	13.81	MWD	Scientific Drilling
8/21/2009	1,090.00	14.90	MWD	Scientific Drilling
8/21/2009	1,134.00	15.71	MWD	Scientific Drilling
8/21/2009	1,179.00	16.52	MWD	Scientific Drilling
8/21/2009	1,224.00	17.54	MWD	Scientific Drilling
8/21/2009	1,269.00	18.17	MWD	Scientific Drilling
8/21/2009	1,314.00	18.92	MWD	Scientific Drilling
8/21/2009	1,359.00	19.85	MWD	Scientific Drilling
8/21/2009	1,404.00	20.50	MWD	Scientific Drilling
8/21/2009	1,449.00	21.25	MWD	Scientific Drilling
8/21/2009	1,494.00	21.65	MWD	Scientific Drilling
8/21/2009	1,539.00	22.05	MWD	Scientific Drilling
8/21/2009	1,584.00	22.57	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.

[Signature]

Subscribed and sworn to me this Nov 12, 2009

[Signature: Crystal L. Tafaya]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010

COP Deviation Report SAN JUAN 27-4 UNIT #154M

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/21/2009	1,629.00	23.05	MWD	Scientific Drilling
8/21/2009	1,674.00	23.66	MWD	Scientific Drilling
8/21/2009	1,719.00	23.59	MWD	Scientific Drilling
8/21/2009	1,764.00	24.12	MWD	Scientific Drilling
8/21/2009	1,809.00	24.55	MWD	Scientific Drilling
8/21/2009	1,854.00	24.89	MWD	Scientific Drilling
8/21/2009	1,899.00	25.21	MWD	Scientific Drilling
8/21/2009	1,944.00	25.66	MWD	Scientific Drilling
8/22/2009	1,988.00	25.12	MWD	Scientific Drilling
8/22/2009	2,034.00	25.21	MWD	Scientific Drilling
8/22/2009	2,079.00	24.95	MWD	Scientific Drilling
8/22/2009	2,124.00	23.64	MWD	Scientific Drilling
8/22/2009	2,169.00	23.60	MWD	Scientific Drilling
8/22/2009	2,214.00	24.15	MWD	Scientific Drilling
8/22/2009	2,259.00	24.20	MWD	Scientific Drilling
8/22/2009	2,304.00	24.52	MWD	Scientific Drilling
8/22/2009	2,349.00	23.64	MWD	Scientific Drilling
8/22/2009	2,394.00	24.04	MWD	Scientific Drilling
8/22/2009	2,439.00	23.88	MWD	Scientific Drilling
8/22/2009	2,484.00	23.62	MWD	Scientific Drilling
8/22/2009	2,529.00	23.87	MWD	Scientific Drilling
8/22/2009	2,574.00	23.34	MWD	Scientific Drilling
8/22/2009	2,619.00	23.54	MWD	Scientific Drilling
8/22/2009	2,664.00	23.58	MWD	Scientific Drilling
8/22/2009	2,754.00	23.09	MWD	Scientific Drilling
8/22/2009	2,844.00	21.98	MWD	Scientific Drilling
8/22/2009	2,889.00	21.73	MWD	Scientific Drilling
8/22/2009	2,934.00	22.30	MWD	Scientific Drilling
8/22/2009	2,979.00	23.23	MWD	Scientific Drilling
8/22/2009	3,069.00	23.41	MWD	Scientific Drilling
8/22/2009	3,114.00	22.94	MWD	Scientific Drilling
8/22/2009	3,159.00	22.66	MWD	Scientific Drilling
8/22/2009	3,204.00	23.57	MWD	Scientific Drilling
8/22/2009	3,249.00	24.32	MWD	Scientific Drilling
8/22/2009	3,339.00	24.44	MWD	Scientific Drilling
8/22/2009	3,429.00	24.44	MWD	Scientific Drilling
8/22/2009	3,519.00	23.61	MWD	Scientific Drilling
8/22/2009	3,609.00	22.30	MWD	Scientific Drilling
8/22/2009	3,654.00	22.07	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 #154M**

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
8/22/2009	3,699.00	22.84	MWD	Scientific Drilling
8/22/2009	3,744.00	24.03	MWD	Scientific Drilling
8/22/2009	3,833.00	24.22	MWD	Scientific Drilling
8/22/2009	3,879.00	24.01	MWD	Scientific Drilling
8/22/2009	3,923.00	23.98	MWD	Scientific Drilling
8/22/2009	3,969.00	23.58	MWD	Scientific Drilling
8/22/2009	4,013.00	22.67	MWD	Scientific Drilling
8/22/2009	4,058.00	21.89	MWD	Scientific Drilling
8/22/2009	4,103.00	21.46	MWD	Scientific Drilling
8/22/2009	4,148.00	21.21	MWD	Scientific Drilling
8/22/2009	4,193.00	20.96	MWD	Scientific Drilling
8/23/2009	4,238.00	21.30	MWD	Scientific Drilling
8/23/2009	4,283.00	21.29	MWD	Scientific Drilling
8/23/2009	4,328.00	21.69	MWD	Scientific Drilling
8/23/2009	4,373.00	22.08	MWD	Scientific Drilling
8/23/2009	4,418.00	22.10	MWD	Scientific Drilling
8/23/2009	4,463.00	22.12	MWD	Scientific Drilling
8/23/2009	4,508.00	22.19	MWD	Scientific Drilling
8/23/2009	4,553.00	22.13	MWD	Scientific Drilling
8/23/2009	4,598.00	21.10	MWD	Scientific Drilling
8/23/2009	4,643.00	18.62	MWD	Scientific Drilling
8/23/2009	4,688.00	16.95	MWD	Scientific Drilling
8/23/2009	4,733.00	17.39	MWD	Scientific Drilling
8/23/2009	4,778.00	17.75	MWD	Scientific Drilling
8/23/2009	4,823.00	17.31	MWD	Scientific Drilling
8/23/2009	4,868.00	15.20	MWD	Scientific Drilling
8/23/2009	4,913.00	13.50	MWD	Scientific Drilling
8/23/2009	4,958.00	12.41	MWD	Scientific Drilling
8/23/2009	5,003.00	12.54	MWD	Scientific Drilling
8/23/2009	5,048.00	11.56	MWD	Scientific Drilling
8/23/2009	5,093.00	10.50	MWD	Scientific Drilling
8/23/2009	5,138.00	9.80	MWD	Scientific Drilling
8/23/2009	5,183.00	8.16	MWD	Scientific Drilling
8/23/2009	5,227.00	6.49	MWD	Scientific Drilling
8/23/2009	5,272.00	5.03	MWD	Scientific Drilling
8/24/2009	5,317.00	3.98	MWD	Scientific Drilling
8/24/2009	5,362.00	3.20	MWD	Scientific Drilling
8/24/2009	5,395.00	2.98	MWD	Scientific Drilling
8/24/2009	5,450.00	2.00	Extrap.	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
9/1/2009	8,701.00	1 50	FINAL BHS	PHOENIX

RCVD NOV 16 '09
OIL CONS. DIV.
DIST. 3

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.

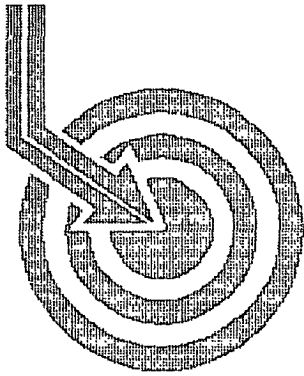
B. B. B.

Subscribed and sworn to me this Nov 12, 2009

Capital J. Tafey

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



Scientific Drilling

RCVD NOV 16 '09

OIL CONS. DIV.

DIST. 3

BURLINGTON RESOURCES

Field: San Juan

Site: SEC 14-T27N-R4W

Well: San Juan 27-4 #154M

Wellpath: DH - Job #33D0809145

Survey: 08/20/09-08/24/09

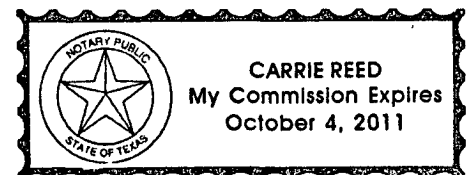
API # 30.039.30486

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

Robert Company Representative

Notorized this date 12th of November, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES	Date: 11/12/2009	Time: 09:37:36	Page: 1
Field: San Juan	Co-ordinate(NE) Reference: Well: San Juan 27-4 #154M, True North		
Site: SEC 14-T27N-R4W	Vertical (TVD) Reference: System: Mean Sea Level		
Well: San Juan 27-4 #154M	Section (VS) Reference: Well (0.00N,0.00E,105.92Azi)		
Wellpath: DH - Job #33D0809145	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 08/20/09-08/24/09	Start Date: 08/20/2009
E-field 0'-5395'	
Company: Scientific Drilling Internatio	Engineer: Burrus/Webb/Wanger/Rogers
Tool: E-field;E-field	Tied-to: From Surface

Site: SEC 14-T27N-R4W

Site Position:	Northing: 2027541.96 ft	Latitude: 36 34 14.454 N
From: Map	Easting: 678523.24 ft	Longitude: 107 13 31.398 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 0.00 ft		Grid Convergence: 0.36 deg

Well: San Juan 27-4 #154M	Slot Name:
1620' Slant @ S74.08E	
Well Position: +N/-S 1965.28 ft	Northing: 2029514.74 ft
+E/-W 1193.15 ft	Easting: 679703.94 ft
Position Uncertainty: 0.00 ft	
	Latitude: 36 34 33.888 N
	Longitude: 107 13 16.770 W

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
389.00	0.88	45.58	388.98	1.48	2.09	2.13	0.23	2.99	45.58
420.00	0.81	118.27	419.98	1.81	2.15	2.50	3.24	3.30	49.22
451.00	1.52	117.19	450.98	2.43	1.86	3.06	2.29	3.58	58.64
480.00	2.54	113.82	479.96	3.44	1.43	3.99	3.54	4.23	70.30
511.00	3.37	111.40	510.92	5.03	0.82	5.46	2.71	5.52	81.49
540.00	4.07	106.09	539.85	6.91	0.22	7.24	2.69	7.25	88.26
571.00	5.01	103.98	570.76	9.36	-0.41	9.62	3.08	9.62	92.45
602.00	5.79	104.74	601.62	12.28	-1.14	12.44	2.53	12.49	95.22
633.00	6.43	105.78	632.44	15.57	-2.01	15.62	2.10	15.75	97.32
663.00	6.99	106.01	662.24	19.08	-2.97	18.99	1.87	19.22	98.88
694.00	7.43	107.02	692.99	22.97	-4.07	22.72	1.48	23.09	100.16
725.00	8.16	107.52	723.71	27.17	-5.32	26.74	2.36	27.26	101.26
755.00	8.95	108.29	753.37	31.63	-6.70	30.99	2.66	31.70	102.19
785.00	9.83	106.50	782.97	36.53	-8.16	35.66	3.09	36.58	102.88
816.00	10.50	107.12	813.48	42.00	-9.74	40.89	2.19	42.04	103.40
865.00	11.44	106.60	861.59	51.32	-12.44	49.82	1.93	51.35	104.02
910.00	12.01	106.91	905.65	60.46	-15.08	58.57	1.27	60.48	104.44
955.00	12.70	107.87	949.60	70.09	-17.96	67.76	1.60	70.10	104.84
1000.00	13.17	107.10	993.46	80.16	-20.98	77.37	1.11	80.16	105.17
1045.00	13.81	107.27	1037.22	90.65	-24.08	87.40	1.42	90.66	105.41
1090.00	14.90	107.31	1080.82	101.80	-27.40	98.05	2.42	101.81	105.61
1134.00	15.71	107.78	1123.25	113.41	-30.90	109.12	1.86	113.41	105.81
1179.00	16.52	106.15	1166.49	125.90	-34.54	121.07	2.06	125.90	105.92
1224.00	17.54	105.45	1209.51	139.08	-38.13	133.75	2.31	139.08	105.91
1269.00	18.17	106.13	1252.35	152.88	-41.88	147.03	1.47	152.88	105.90
1314.00	18.92	105.82	1295.01	167.19	-45.82	160.79	1.68	167.19	105.91
1359.00	19.85	105.04	1337.46	182.12	-49.79	175.19	2.15	182.12	105.87
1404.00	20.50	106.27	1379.70	197.64	-53.98	190.13	1.72	197.64	105.85
1449.00	21.25	106.42	1421.74	213.68	-58.50	205.51	1.67	213.68	105.89
1494.00	21.65	107.27	1463.62	230.13	-63.27	221.26	1.13	230.13	105.96
1539.00	22.05	107.19	1505.39	246.87	-68.23	237.26	0.89	246.88	106.04
1584.00	22.57	106.90	1547.02	263.95	-73.23	253.59	1.18	263.96	106.11
1629.00	23.05	106.37	1588.50	281.40	-78.23	270.31	1.16	281.40	106.14
1674.00	23.66	105.94	1629.82	299.24	-83.19	287.44	1.41	299.24	106.14
1719.00	23.59	104.39	1671.05	317.27	-87.91	304.85	1.39	317.27	106.09
1764.00	24.12	104.57	1712.20	335.46	-92.46	322.47	1.19	335.46	106.00



Scientific
Drilling

Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: SEC 14-T27N-R4W
Well: San Juan 27-4 #154M
Wellpath: DH - Job #33D0809145

Date: 11/12/2009 Time: 09:37:36 Page: 2
Co-ordinate(NE) Reference: Well: San Juan 27-4 #154M True North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N 0.00E, 105.92Azi)
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
1809.00	24.55	104.86	1753.20	354.00	-97.17	340.40	0.99	354.00	105.93
1854.00	24.89	104.10	1794.08	372.81	-101.87	358.62	1.03	372.81	105.86
1899.00	25.21	103.57	1834.85	391.85	-106.43	377.12	0.87	391.85	105.76
1944.00	25.66	103.52	1875.48	411.16	-110.96	395.91	1.00	411.17	105.66
1989.00	25.12	104.52	1916.14	430.45	-115.63	414.63	1.53	430.45	105.58
2034.00	25.21	103.67	1956.87	449.57	-120.29	433.19	0.83	449.58	105.52
2079.00	24.95	103.77	1997.62	468.63	-124.81	451.72	0.59	468.65	105.45
2124.00	23.64	105.80	2038.64	487.14	-129.53	469.62	3.45	487.16	105.42
2169.00	23.60	105.25	2079.87	505.17	-134.35	486.99	0.50	505.19	105.42
2214.00	24.15	104.80	2121.02	523.38	-139.08	504.59	1.29	523.40	105.41
2259.00	24.20	104.34	2162.07	541.80	-143.71	522.42	0.43	541.83	105.38
2304.00	24.52	103.62	2203.07	560.35	-148.19	540.43	0.97	560.38	105.33
2349.00	23.82	106.14	2244.12	578.77	-152.92	558.24	2.77	578.80	105.32
2394.00	24.04	105.48	2285.25	597.02	-157.89	575.80	0.77	597.05	105.33
2439.00	23.88	105.53	2326.38	615.30	-162.78	593.41	0.36	615.33	105.34
2484.00	23.62	105.64	2367.56	633.42	-167.65	610.87	0.59	633.45	105.35
2529.00	23.87	105.34	2408.76	651.54	-172.49	628.33	0.62	651.57	105.35
2574.00	23.34	106.23	2449.99	669.56	-177.39	645.67	1.42	669.59	105.36
2619.00	23.54	107.11	2491.28	687.46	-182.52	662.81	0.90	687.49	105.40
2664.00	23.58	106.60	2532.53	705.44	-187.74	680.03	0.46	705.47	105.43
2754.00	23.09	105.70	2615.16	741.09	-197.65	714.27	0.67	741.11	105.47
2844.00	21.98	105.68	2698.29	775.58	-206.98	747.48	1.23	775.60	105.48
2888.00	21.73	105.19	2739.13	791.96	-211.34	763.26	0.70	791.98	105.48
2934.00	22.30	108.17	2781.78	809.20	-216.29	779.78	2.73	809.22	105.50
2979.00	23.23	109.30	2823.27	826.59	-221.89	796.26	2.28	826.60	105.57
3069.00	23.41	107.26	2905.92	862.18	-233.06	830.09	0.92	862.19	105.68
3114.00	22.94	106.93	2947.29	879.89	-238.27	847.02	1.08	879.89	105.71
3159.00	22.66	106.24	2988.77	897.32	-243.25	863.73	0.86	897.33	105.73
3204.00	23.57	106.87	3030.16	914.99	-248.28	880.66	2.10	914.99	105.74
3249.00	24.32	107.58	3071.29	933.25	-253.69	898.11	1.79	933.25	105.77
3339.00	24.44	106.72	3153.26	970.39	-264.65	933.60	0.42	970.39	105.83
3429.00	24.44	106.66	3235.20	1007.62	-275.34	969.27	0.03	1007.62	105.86
3519.00	23.61	106.76	3317.40	1044.26	-285.87	1004.37	0.92	1044.26	105.89
3609.00	22.30	105.99	3400.27	1079.36	-295.78	1038.04	1.49	1079.36	105.90
3654.00	22.07	104.39	3441.94	1096.35	-300.23	1054.44	1.44	1096.35	105.89
3699.00	22.84	105.13	3483.53	1113.53	-304.61	1071.06	1.82	1113.53	105.88
3744.00	24.03	107.35	3524.81	1131.42	-309.62	1088.23	3.29	1131.42	105.88
3833.00	24.22	108.00	3606.04	1167.78	-320.67	1122.89	0.37	1167.78	105.94
3879.00	24.01	107.75	3648.03	1186.56	-326.44	1140.78	0.51	1186.57	105.97
3923.00	23.98	107.47	3688.22	1204.45	-331.85	1157.83	0.27	1204.45	105.99
3969.00	23.58	107.37	3730.32	1222.99	-337.40	1175.53	0.87	1222.99	106.01
4013.00	22.67	106.53	3770.78	1240.27	-342.44	1192.06	2.20	1240.27	106.03
4058.00	21.89	105.79	3812.42	1257.33	-347.19	1208.45	1.84	1257.33	106.03
4103.00	21.46	104.50	3854.24	1273.95	-351.54	1224.49	1.43	1273.95	106.02
4148.00	21.21	105.35	3896.16	1290.32	-355.75	1240.31	0.88	1290.32	106.00
4193.00	20.96	105.33	3938.14	1306.50	-360.03	1255.92	0.56	1306.51	106.00
4238.00	21.30	106.21	3980.12	1322.73	-364.44	1271.53	1.03	1322.73	105.99
4283.00	21.29	107.80	4022.05	1339.06	-369.22	1287.16	1.28	1339.07	106.01
4328.00	21.69	108.16	4063.92	1355.54	-374.31	1302.84	0.94	1355.54	106.03
4373.00	22.08	107.44	4105.68	1372.30	-379.44	1318.81	1.05	1372.31	106.05
4418.00	22.10	106.84	4147.37	1389.22	-384.43	1334.98	0.50	1389.23	106.06
4463.00	22.12	105.56	4189.06	1406.16	-389.15	1351.24	1.07	1406.16	106.07
4508.00	22.19	106.50	4230.74	1423.13	-393.84	1367.55	0.80	1423.13	106.07



Scientific
Drilling

Scientific Drilling International

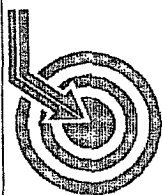
COP Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan
Site: SEC 14-T27N-R4W
Well: San Juan 27-4 #154M
Wellpath: DH - Job #33D0809145

Date: 11/12/2009 Time: 09:37:36 Page: 3
Co-ordinate(NE) Reference: Well: San Juan 27-4 #154M, True North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well: (0.00N,0.00E,105.92Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

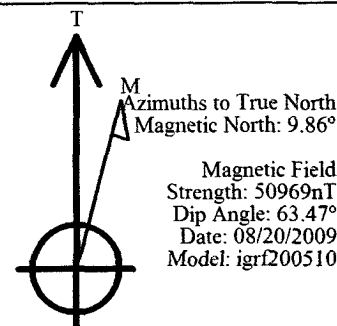
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4553.00	22.13	106.70	4272.42	1440.10	-398.69	1383.82	0.21	1440.10	106.07
4598.00	21.10	106.28	4314.25	1456.68	-403.39	1399.71	2.31	1456.68	106.08
4643.00	18.62	105.55	4356.57	1471.96	-407.59	1414.41	5.54	1471.97	106.08
4688.00	16.95	103.98	4399.42	1485.70	-411.10	1427.70	3.86	1485.71	106.06
4733.00	17.39	105.75	4442.42	1498.98	-414.51	1440.54	1.52	1498.99	106.05
4778.00	17.75	108.14	4485.32	1512.56	-418.47	1453.53	1.79	1512.57	106.06
4823.00	17.31	108.93	4528.23	1526.10	-422.78	1466.38	1.11	1526.11	106.08
4868.00	15.20	108.01	4571.43	1538.68	-426.78	1478.32	4.72	1538.69	106.10
4913.00	13.50	107.21	4615.02	1549.83	-430.15	1488.95	3.80	1549.84	106.11
4958.00	12.41	106.32	4658.87	1559.92	-433.07	1498.61	2.46	1559.93	106.12
5003.00	12.54	105.90	4702.81	1569.64	-435.76	1507.95	0.35	1569.65	106.12
5048.00	11.56	104.96	4746.82	1579.03	-438.27	1517.00	2.22	1579.04	106.11
5093.00	10.50	104.87	4790.99	1587.64	-440.48	1525.32	2.36	1587.65	106.11
5138.00	9.80	104.52	4835.28	1595.57	-442.49	1532.99	1.56	1595.58	106.10
5183.00	8.16	99.57	4879.73	1602.57	-443.99	1539.85	4.03	1602.58	106.08
5227.00	6.49	95.90	4923.37	1608.12	-444.76	1545.40	3.94	1608.13	106.06
5272.00	5.03	93.14	4968.14	1612.55	-445.13	1549.90	3.30	1612.56	106.02
5317.00	3.98	87.40	5013.00	1615.96	-445.17	1553.43	2.54	1615.96	105.99
5362.00	3.20	84.28	5057.91	1618.61	-444.97	1556.24	1.79	1618.61	105.96
5395.00	2.98	83.44	5090.87	1620.25	-444.78	1558.01	0.68	1620.25	105.93

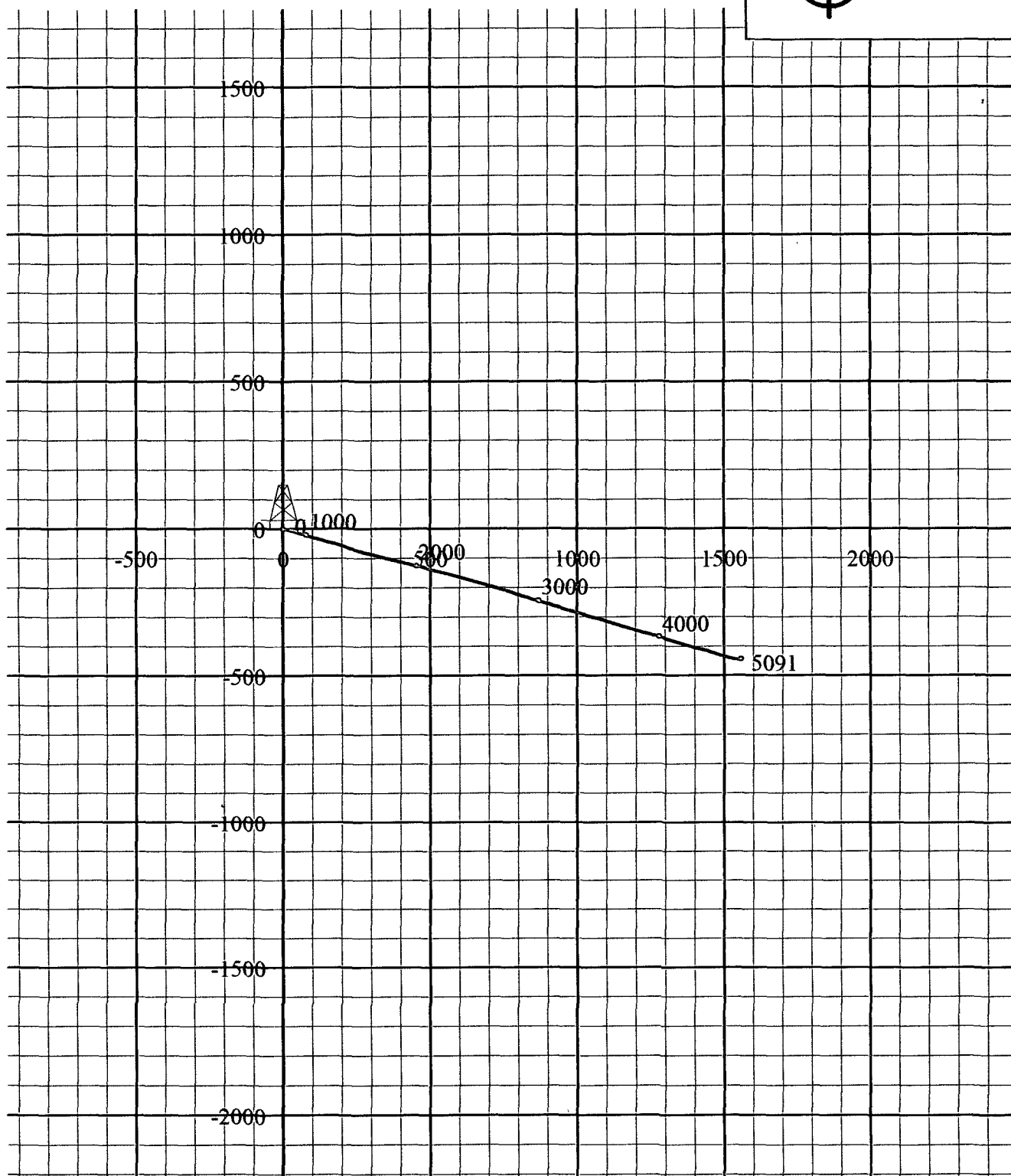


**Scientific
Drilling**

Field: San Juan
Site: SEC 14-T27N-R4W
Well: San Juan 27-4 #154M
Wellpath: DH - Job #33D0809145
Survey: 08/20/09-08/24/09



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



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