

"As Drilled Plat"

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

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

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

DISTRICT IV
1280 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30670	² Pool Code 71599/72319	³ Pool Name DAKOTA/MESAVERDE
⁴ Property Code 7462	⁵ Property Name SAN JUAN 28 - 6 UNIT	⁶ Well Number 121N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6459'

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
D	14	28-N	6-W		925'	NORTH	90'	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
H	15	28-N	6-W		1941'	NORTH	592'	EAST	RIO ARriba

¹² Dedicated Acres DK 320.00 ACRES E/2 MV 320.00 ACRES E/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD FEB 23 '10 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

DISL 3

17 OPERATOR CERTIFICATION

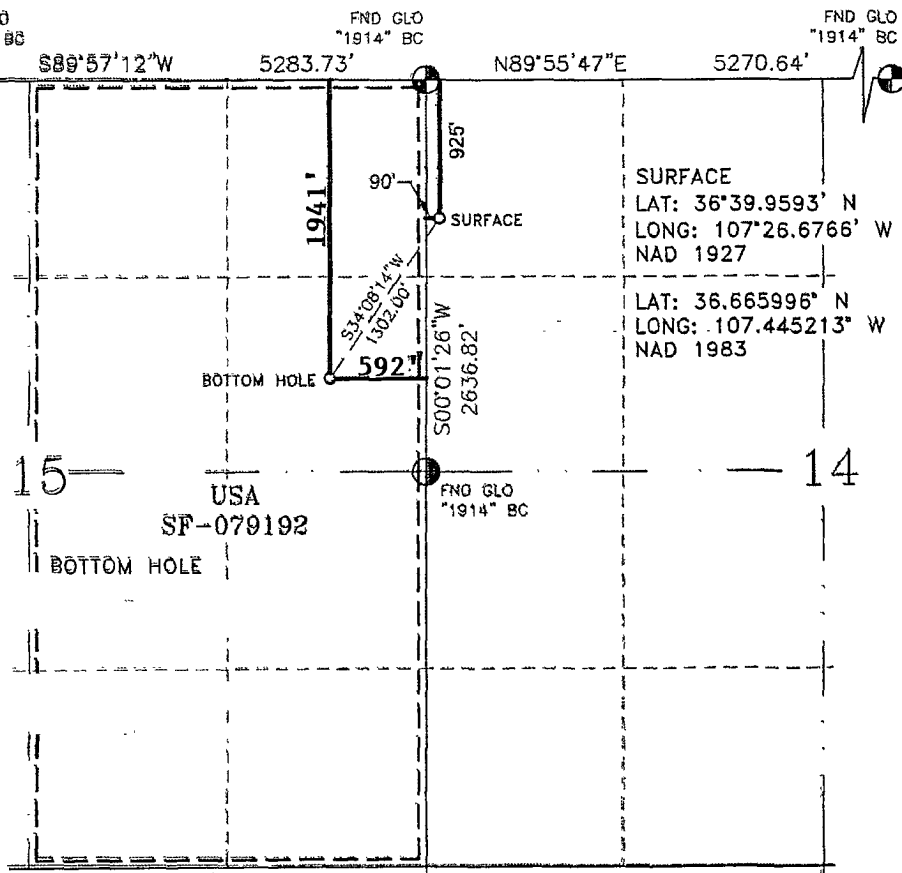
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Ethel Tally
Signature
Ethel Tally
Printed Name

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.

10/23/08
Date of Survey
Signature
NEW MEXICO
15703
LICENSED PROFESSIONAL SURVEYOR
Certificate Number 15703



P.A.

ky

PC

COP Deviation Report

SAN JUAN 28-6 UNIT #121N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 28-6 UNIT #121N	API / UWI 3003930670	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 014-028N-006W-D	N/S Dist (ft) 925 00	N/S Ref FNL	E/W Dist (ft) 90.00	E/W Ref FWL

Survey Data				
Date	MD (RKB)	Incl (°)	Method	Survey Company
10/27/2009	130.00	0.75	Inc-Drop	Mo-Te Drilling Inc.
10/27/2009	237.00	1.00	Inc-Drop	Mo-Te Drilling Inc.
11/4/2009	267.00	0.77	MWD	Scientific Drilling
11/4/2009	296.00	0.76	MWD	Scientific Drilling
11/4/2009	327.00	0.73	MWD	Scientific Drilling
11/4/2009	357.00	1.04	MWD	Scientific Drilling
11/4/2009	387.00	1.62	MWD	Scientific Drilling
11/4/2009	418.00	1.94	MWD	Scientific Drilling
11/4/2009	449.00	2.49	MWD	Scientific Drilling
11/4/2009	478.00	3.26	MWD	Scientific Drilling
11/4/2009	508.00	3.84	MWD	Scientific Drilling
11/4/2009	538.00	4.63	MWD	Scientific Drilling
11/4/2009	568.00	5.37	MWD	Scientific Drilling
11/4/2009	598.00	6.36	MWD	Scientific Drilling
11/4/2009	629.00	6.98	MWD	Scientific Drilling
11/4/2009	660.00	7.62	MWD	Scientific Drilling
11/4/2009	691.00	8.20	MWD	Scientific Drilling
11/4/2009	722.00	8.83	MWD	Scientific Drilling
11/4/2009	753.00	9.54	MWD	Scientific Drilling
11/4/2009	783.00	10.26	MWD	Scientific Drilling
11/4/2009	814.00	10.97	MWD	Scientific Drilling
11/4/2009	863.00	12.14	MWD	Scientific Drilling
11/4/2009	908.00	12.94	MWD	Scientific Drilling
11/4/2009	953.00	13.65	MWD	Scientific Drilling
11/4/2009	998.00	14.53	MWD	Scientific Drilling
11/4/2009	1,043.00	15.35	MWD	Scientific Drilling
11/4/2009	1,088.00	16.46	MWD	Scientific Drilling
11/4/2009	1,133.00	17.35	MWD	Scientific Drilling
11/4/2009	1,178.00	18.70	MWD	Scientific Drilling
11/4/2009	1,222.00	19.47	MWD	Scientific Drilling
11/4/2009	1,267.00	20.29	MWD	Scientific Drilling
11/4/2009	1,312.00	21.22	MWD	Scientific Drilling
11/4/2009	1,357.00	22.13	MWD	Scientific Drilling
11/4/2009	1,402.00	22.78	MWD	Scientific Drilling
11/4/2009	1,447.00	22.95	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 _____

COP Deviation Report

SAN JUAN 28-6 UNIT #121N

Survey Data						
Date	MD (ftKB)	Incl (°)	Method	Survey Company		
11/4/2009	1,492.00	22.89	MWD	Scientific Drilling		
11/4/2009	1,537.00	23.33	MWD	Scientific Drilling		
11/5/2009	1,582.00	23.88	MWD	Scientific Drilling		
11/5/2009	1,627.00	23.53	MWD	Scientific Drilling		
11/5/2009	1,672.00	23.95	MWD	Scientific Drilling		
11/5/2009	1,717.00	24.32	MWD	Scientific Drilling		
11/5/2009	1,762.00	24.12	MWD	Scientific Drilling		
11/5/2009	1,807.00	24.00	MWD	Scientific Drilling		
11/5/2009	1,852.00	24.33	MWD	Scientific Drilling		
11/5/2009	1,897.00	24.33	MWD	Scientific Drilling		
11/5/2009	1,942.00	24.19	MWD	Scientific Drilling		
11/5/2009	1,987.00	24.20	MWD	Scientific Drilling		
11/5/2009	2,032.00	24.01	MWD	Scientific Drilling		
11/5/2009	2,077.00	24.11	MWD	Scientific Drilling		
11/5/2009	2,122.00	24.02	MWD	Scientific Drilling		
11/5/2009	2,167.00	24.20	MWD	Scientific Drilling		
11/5/2009	2,257.00	23.72	MWD	Scientific Drilling		
11/5/2009	2,347.00	24.35	MWD	Scientific Drilling		
11/5/2009	2,527.00	24.76	MWD	Scientific Drilling		
11/5/2009	2,617.00	24.79	MWD	Scientific Drilling		
11/5/2009	2,707.00	25.03	MWD	Scientific Drilling		
11/5/2009	2,797.00	25.92	MWD	Scientific Drilling		
11/5/2009	2,887.00	24.67	MWD	Scientific Drilling		
11/5/2009	2,977.00	24.68	MWD	Scientific Drilling		
11/5/2009	3,067.00	24.17	MWD	Scientific Drilling		
11/5/2009	3,157.00	23.09	MWD	Scientific Drilling		
11/5/2009	3,247.00	21.25	MWD	Scientific Drilling		
11/5/2009	3,337.00	20.70	MWD	Scientific Drilling		
11/5/2009	3,382.00	19.78	MWD	Scientific Drilling		
11/5/2009	3,427.00	19.54	MWD	Scientific Drilling		
11/5/2009	3,472.00	19.49	MWD	Scientific Drilling		
11/5/2009	3,517.00	19.74	MWD	Scientific Drilling		
11/5/2009	3,562.00	20.14	MWD	Scientific Drilling		
11/5/2009	3,607.00	20.56	MWD	Scientific Drilling		
11/5/2009	3,652.00	19.96	MWD	Scientific Drilling		
11/5/2009	3,697.00	18.19	MWD	Scientific Drilling		
11/5/2009	3,742.00	16.37	MWD	Scientific Drilling		
11/5/2009	3,787.00	14.96	MWD	Scientific Drilling		
11/5/2009	3,832.00	13.12	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	
11/5/2009	3,877.00	11.65	MWD	Scientific Drilling	
11/5/2009	3,922.00	10.20	MWD	Scientific Drilling	
11/5/2009	3,967.00	8.71	MWD	Scientific Drilling	
11/5/2009	4,012.00	7.47	MWD	Scientific Drilling	
11/5/2009	4,057.00	6.61	MWD	Scientific Drilling	
11/5/2009	4,102.00	5.81	MWD	Scientific Drilling	
11/5/2009	4,147.00	5.13	MWD	Scientific Drilling	
11/5/2009	4,192.00	4.59	MWD	Scientific Drilling	
11/5/2009	4,236.00	3.91	MWD	Scientific Drilling	
11/5/2009	4,281.00	3.59	MWD	Scientific Drilling	
11/5/2009	4,326.00	3.00	MWD	Scientific Drilling	
11/6/2009	4,371.00	2.69	MWD	Scientific Drilling	
11/6/2009	4,414.00	1.98	MWD	Scientific Drilling	
11/12/2009	7,947.00	0.75	Inc-WL	PHOENIX	

RCVD FEB 23 '10

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.

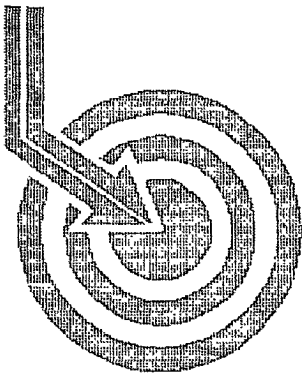
[Signature]

Subscribed and sworn to me this Oct 2, 2008

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires Oct 1, 2012



Scientific Drilling

RCVD FEB 23 '10

OIL CONS. DIV.

DIST. 3

BURLINGTON RESOURCES

Field: San Juan
Site: SEC 14-T28N-R6W
Well: San Juan 28-6 #121N
Wellpath: DH - Job #33D1109195
Survey: 11/03/09-11/06/09

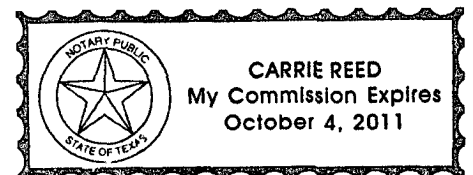
API # 30.039.30670

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

.....L. L. Hester..... Company Representative

Notorized this date 17th of November, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES	Date: 11/17/2009	Time: 16:24:05	Page: 1
Field: San Juan	Co-ordinate(NE) Reference:	Well: San Juan 28-6 #121N	True North
Site: SEC 14-T28N-R6W	Vertical (TVD) Reference:	SITE 0.0	
Well: San Juan 28-6 #121N	Section (VS) Reference:	Well (0.00N,0.00E,214.16Azi)	
Wellpath: DH - Job #33D1109195	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/03/09-11/06/09	Start Date: 11/03/2009
E-field 0'-4414'	
Company: Scientific Drilling Internatio	Engineer: Burrus/Webb/Wagner/Blosser/Rog
Tool: E-field;E-field	Tied-to: From Surface

Site: SEC 14-T28N-R6W
Site Position: Northing: 2061903.70 ft Latitude: 36 39 57.558 N
From: Map Easting: 614007.95 ft Longitude: 107 26 40.596 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 6459.00 ft Grid Convergence: 0.23 deg

Well:	San Juan 28-6 #121N			Slot Name:			
	1223' Slant @ S34.16W						
Well Position:	+N/-S	0.00 ft	Northing:	2061903.70 ft	Latitude:	36 39	57.558 N
	+E/-W	0.00 ft	Easting :	614007.95 ft	Longitude:	107 26	40.596 W
Position Uncertainty:		0.00 ft					

MD	Incl	Azim	TVD	VS	N/S	E/W	DLS	ClsD	ClsA
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
267.00	0.77	344.33	266.99	-1.16	1.73	-0.48	0.29	1.79	344.33
296.00	0.76	339.83	295.99	-1.40	2.10	-0.60	0.21	2.18	343.93
327.00	0.73	288.69	326.99	-1.46	2.35	-0.86	2.08	2.50	339.88
357.00	1.04	243.85	356.98	-1.17	2.29	-1.29	2.44	2.63	330.70
387.00	1.62	232.01	386.98	-0.53	1.91	-1.87	2.13	2.67	315.71
418.00	1.94	229.44	417.96	0.39	1.30	-2.61	1.06	2.92	296.50
449.00	2.49	221.33	448.94	1.56	0.45	-3.45	2.04	3.48	277.50
478.00	3.26	217.00	477.90	3.01	-0.68	-4.37	2.76	4.42	261.18
508.00	3.84	217.70	507.84	4.87	-2.15	-5.49	1.94	5.90	248.59
538.00	4.63	214.79	537.76	7.08	-3.94	-6.80	2.73	7.86	239.89
568.00	5.37	213.97	567.65	9.69	-6.10	-8.27	2.48	10.28	233.59
598.00	6.36	213.25	597.49	12.76	-8.66	-9.97	3.31	13.20	229.03
629.00	6.98	213.00	628.28	16.36	-11.67	-11.94	2.00	16.69	225.64
660.00	7.62	213.50	659.03	20.30	-14.96	-14.10	2.07	20.56	223.29
691.00	8.20	211.71	689.73	24.56	-18.56	-16.39	2.03	24.76	221.45
722.00	8.83	212.53	720.39	29.15	-22.45	-18.83	2.07	29.30	220.00
753.00	9.54	212.24	750.99	34.09	-26.62	-21.48	2.30	34.21	218.90
783.00	10.26	212.31	780.55	39.25	-30.99	-24.24	2.40	39.34	218.03
814.00	10.97	211.90	811.02	44.96	-35.82	-27.27	2.30	45.02	217.28
863.00	12.14	212.46	859.02	54.77	-44.13	-32.50	2.40	54.81	216.37
908.00	12.94	212.63	902.95	64.53	-52.36	-37.76	1.78	64.56	215.79
953.00	13.65	212.61	946.74	74.88	-61.08	-43.34	1.58	74.89	215.36
998.00	14.53	212.61	990.39	85.83	-70.31	-49.24	1.96	85.84	215.01
1043.00	15.35	211.99	1033.87	97.42	-80.12	-55.44	1.86	97.43	214.68
1088.00	16.46	213.09	1077.14	109.75	-90.51	-62.07	2.56	109.75	214.44
1133.00	17.35	213.88	1120.20	122.83	-101.42	-69.30	2.04	122.83	214.34
1178.00	18.70	214.02	1162.99	136.76	-112.97	-77.07	3.00	136.76	214.30
1222.00	19.47	213.44	1204.57	151.14	-124.94	-85.06	1.80	151.14	214.25
1267.00	20.29	213.54	1246.89	166.44	-137.70	-93.50	1.82	166.44	214.18
1312.00	21.22	213.77	1288.97	182.39	-150.97	-102.34	2.07	182.39	214.13
1357.00	22.13	214.17	1330.78	199.01	-164.75	-111.63	2.05	199.01	214.12
1402.00	22.78	213.63	1372.37	216.20	-179.02	-121.21	1.52	216.20	214.10
1447.00	22.95	213.69	1413.84	233.68	-193.57	-130.91	0.38	233.68	214.07
1492.00	22.89	213.14	1455.28	251.21	-208.20	-140.56	0.49	251.21	214.02
1537.00	23.33	212.87	1496.67	268.86	-223.01	-150.18	1.01	268.87	213.96
1582.00	23.88	212.18	1537.91	286.88	-238.21	-159.86	1.37	286.88	213.87



Scientific Drilling International

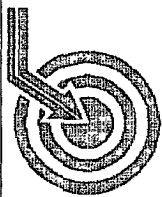
COP Survey Report

Company: BURLINGTON RESOURCES
 Field: San Juan
 Site: SEC.14-T28N-R6W
 Well: San Juan 28-6 #121N
 Wellpath: DH- Job #33D1109195

Date: 11/17/2009 Time: 16:24:05 Page: 2
 Co-ordinate(NE) Reference: Well: San Juan 28-6 #121N True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,214.16Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

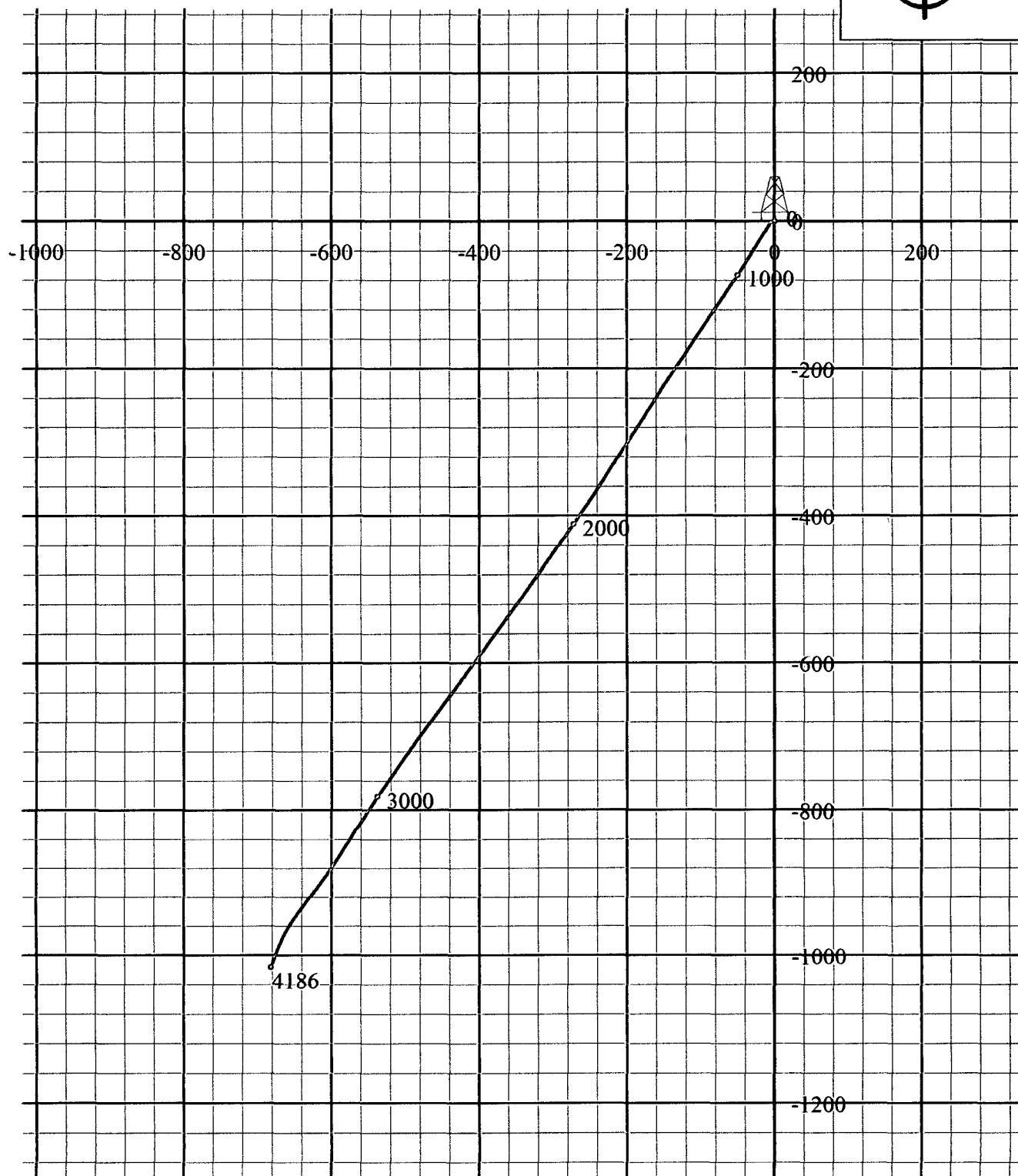
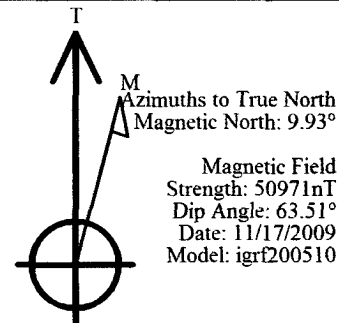
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1627.00	23.53	212.57	1579.11	304.96	-253.49	-169.55	0.85	304.97	213.78
1672.00	23.95	212.76	1620.30	323.07	-268.74	-179.33	0.95	323.08	213.72
1717.00	24.32	213.20	1661.37	341.46	-284.17	-189.35	0.91	341.48	213.68
1762.00	24.12	212.81	1702.41	359.92	-299.65	-199.40	0.57	359.94	213.64
1807.00	24.00	212.24	1743.50	378.26	-315.12	-209.27	0.58	378.28	213.59
1852.00	24.33	212.50	1784.55	396.67	-330.68	-219.13	0.77	396.70	213.53
1897.00	24.33	213.13	1825.56	415.21	-346.26	-229.18	0.58	415.23	213.50
1942.00	24.19	212.78	1866.58	433.69	-361.78	-239.23	0.45	433.72	213.48
1987.00	24.20	213.38	1907.63	452.13	-377.23	-249.30	0.55	452.17	213.46
2032.00	24.01	214.54	1948.71	470.51	-392.47	-259.57	1.13	470.54	213.48
2077.00	24.11	214.96	1989.80	488.85	-407.55	-270.02	0.44	488.88	213.53
2122.00	24.02	214.62	2030.89	507.20	-422.62	-280.49	0.37	507.23	213.57
2167.00	24.20	215.63	2071.96	525.58	-437.65	-291.07	1.00	525.60	213.63
2257.00	23.72	214.67	2154.21	562.12	-467.53	-312.11	0.69	562.14	213.73
2347.00	24.35	216.01	2236.40	598.77	-497.43	-333.32	0.93	598.78	213.83
2527.00	24.76	215.87	2400.12	673.54	-557.99	-377.22	0.23	673.54	214.06
2617.00	24.79	216.77	2481.84	711.22	-588.38	-399.56	0.42	711.22	214.18
2707.00	25.03	216.04	2563.47	749.10	-618.89	-422.06	0.43	749.10	214.29
2797.00	25.92	216.52	2644.72	787.78	-650.09	-444.96	1.02	787.79	214.39
2887.00	24.67	216.44	2726.09	826.21	-681.01	-467.83	1.39	826.22	214.49
2977.00	24.68	215.32	2807.87	863.76	-711.45	-489.85	0.52	863.78	214.55
3067.00	24.17	214.34	2889.81	900.97	-742.00	-511.10	0.72	900.99	214.56
3157.00	23.09	215.05	2972.27	937.04	-771.66	-531.63	1.24	937.07	214.56
3247.00	21.25	211.80	3055.61	970.99	-799.97	-550.37	2.46	971.01	214.53
3337.00	20.70	212.27	3139.65	1003.18	-827.28	-567.45	0.64	1003.20	214.45
3382.00	19.78	211.94	3181.87	1018.74	-840.47	-575.73	2.06	1018.75	214.41
3427.00	19.54	211.81	3224.25	1033.87	-853.33	-583.72	0.54	1033.88	214.37
3472.00	19.49	211.16	3266.66	1048.88	-866.15	-591.57	0.50	1048.89	214.33
3517.00	19.74	214.52	3309.05	1063.98	-878.83	-599.76	2.57	1063.98	214.31
3562.00	20.14	215.99	3351.35	1079.32	-891.36	-608.62	1.43	1079.33	214.33
3607.00	20.56	215.38	3393.54	1094.97	-904.07	-617.75	1.05	1094.97	214.34
3652.00	19.96	216.91	3435.76	1110.54	-916.66	-626.94	1.78	1110.55	214.37
3697.00	18.19	216.51	3478.29	1125.23	-928.44	-635.73	3.94	1125.24	214.40
3742.00	16.37	215.87	3521.26	1138.59	-939.23	-643.63	4.07	1138.60	214.42
3787.00	14.96	213.86	3564.58	1150.73	-949.19	-650.58	3.36	1150.75	214.43
3832.00	13.12	212.60	3608.24	1161.65	-958.32	-656.57	4.14	1161.66	214.42
3877.00	11.65	209.22	3652.19	1171.28	-966.59	-661.54	3.64	1171.29	214.39
3922.00	10.20	206.26	3696.37	1179.76	-974.13	-665.52	3.45	1179.76	214.34
3967.00	8.71	204.44	3740.76	1187.06	-980.80	-668.69	3.38	1187.06	214.29
4012.00	7.47	203.46	3785.31	1193.29	-986.59	-671.27	2.77	1193.29	214.23
4057.00	6.61	202.47	3829.97	1198.70	-991.66	-673.42	1.93	1198.70	214.18
4102.00	5.81	199.41	3874.71	1203.44	-996.21	-675.17	1.92	1203.44	214.13
4147.00	5.13	199.19	3919.50	1207.59	-1000.25	-676.59	1.51	1207.59	214.07
4192.00	4.59	197.84	3964.34	1211.26	-1003.87	-677.80	1.23	1211.26	214.03
4236.00	3.91	200.16	4008.22	1214.41	-1006.95	-678.85	1.59	1214.41	213.99
4281.00	3.59	198.57	4053.12	1217.25	-1009.73	-679.83	0.75	1217.26	213.95
4326.00	3.00	205.44	4098.05	1219.77	-1012.13	-680.79	1.58	1219.78	213.93
4371.00	2.69	201.68	4142.99	1221.97	-1014.17	-681.68	0.80	1221.98	213.91
4414.00	1.98	189.89	4185.96	1223.63	-1015.84	-682.18	1.99	1223.64	213.88



**Scientific
Drilling**

Field: San Juan
Site: SEC 14-T28N-R6W
Well: San Juan 28-6 #121N
Wellpath: DH - Job #33D1109195
Survey: 11/03/09-11/06/09



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

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

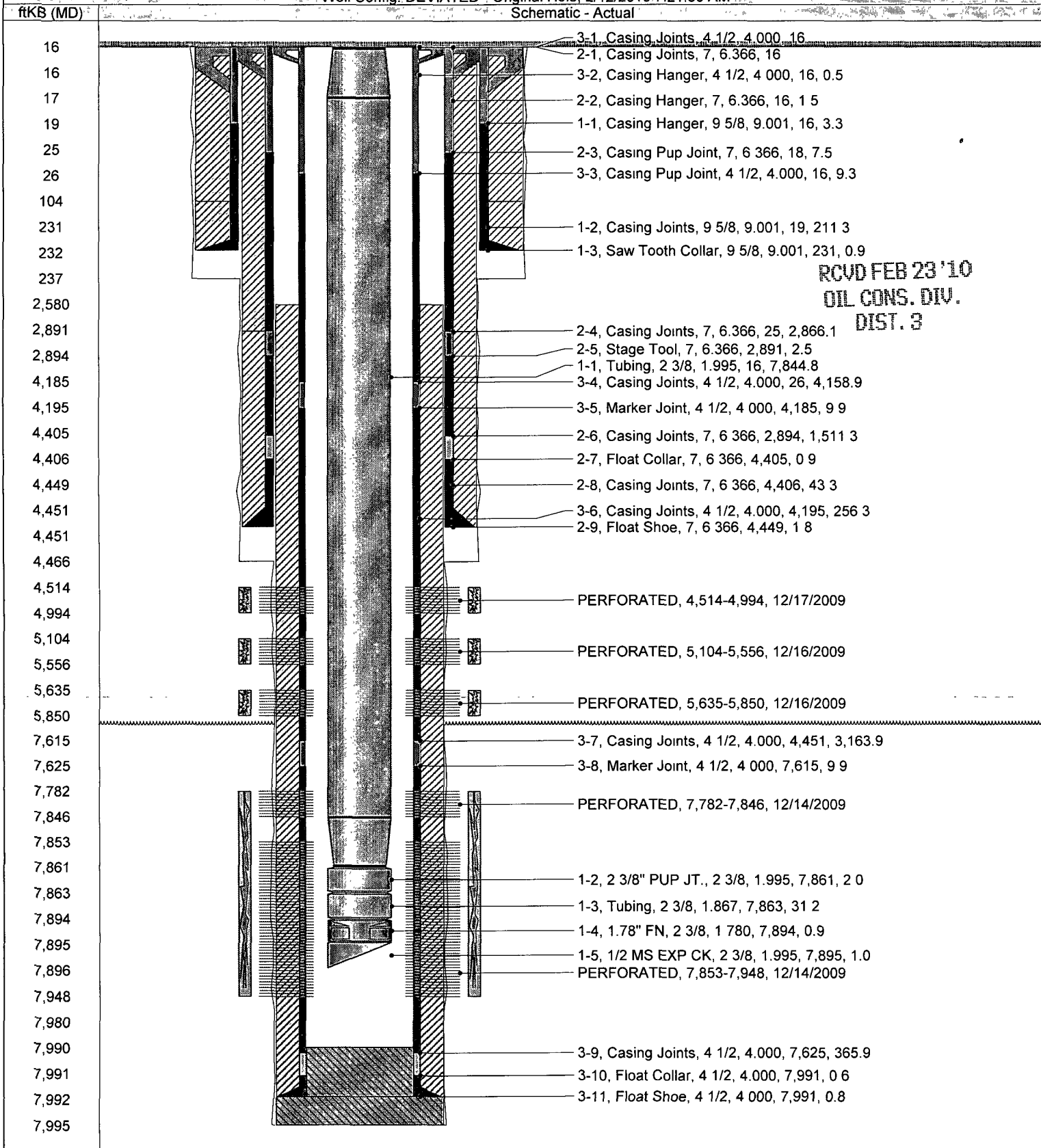
SAN JUAN 28-6 UNIT #121N

Burlington Resources Oil & Gas Company, LP

Most Recent Job

Jobs	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
Job Category COMPLETIONS	INITIAL COMPLETION	INITIAL COMPLETION	11/23/2009	2/9/2010

Well Config: DEVIATED - Original Hole, 2/12/2010 7:21:50 AM



RCVD FEB 23 '10
OIL CONS. DIV.
DIST. 3