



COP Deviation Report
SAN JUAN 28-6 UNIT #125N

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP		Legal WellName SAN JUAN 28-6 UNIT #125N	API / UWI 3003930813	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 021-028N-006W-A			N/S Dist (ft) 919.00	N/S Ref FNL	E/W Dist (ft) 1,298.00
Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
11/17/2009	130.00	0 50	Inc-Drop	Mo-Te Drilling Inc.	
11/17/2009	235.00	1.00	Inc-Drop	Mo-Te Drilling Inc.	
12/2/2009	266.00	1.35	MWD	Scientific Drilling	
12/2/2009	296.00	1.32	MWD	Scientific Drilling	
12/2/2009	326.00	1.90	MWD	Scientific Drilling	
12/2/2009	357.00	2 75	MWD	Scientific Drilling	
12/2/2009	387.00	3 02	MWD	Scientific Drilling	
12/2/2009	418.00	4.00	MWD	Scientific Drilling	
12/2/2009	448.00	4.42	MWD	Scientific Drilling	
12/2/2009	479.00	5.19	MWD	Scientific Drilling	
12/2/2009	510.00	6.17	MWD	Scientific Drilling	
12/2/2009	541.00	6.70	MWD	Scientific Drilling	
12/2/2009	572.00	7.39	MWD	Scientific Drilling	
12/2/2009	603.00	8.39	MWD	Scientific Drilling	
12/2/2009	634.00	9.22	MWD	Scientific Drilling	
12/2/2009	664.00	10.12	MWD	Scientific Drilling	
12/2/2009	694.00	10.97	MWD	Scientific Drilling	
12/2/2009	725.00	11.46	MWD	Scientific Drilling	
12/2/2009	755.00	12.27	MWD	Scientific Drilling	
12/2/2009	785.00	13.32	MWD	Scientific Drilling	
12/2/2009	834.00	14.32	MWD	Scientific Drilling	
12/2/2009	879.00	15.37	MWD	Scientific Drilling	
12/2/2009	924.00	16 73	MWD	Scientific Drilling	
12/2/2009	969.00	18 07	MWD	Scientific Drilling	
12/2/2009	1,014.00	18.89	MWD	Scientific Drilling	
12/2/2009	1,059.00	20.04	MWD	Scientific Drilling	
12/2/2009	1,104.00	21 21	MWD	Scientific Drilling	
12/2/2009	1,149.00	22.50	MWD	Scientific Drilling	
12/2/2009	1,194.00	23.50	MWD	Scientific Drilling	
12/2/2009	1,239.00	24.76	MWD	Scientific Drilling	
12/2/2009	1,284.00	25.88	MWD	Scientific Drilling	
12/2/2009	1,329.00	25 95	MWD	Scientific Drilling	
12/2/2009	1,374.00	25 56	MWD	Scientific Drilling	
12/2/2009	1,464.00	26.07	MWD	Scientific Drilling	
12/2/2009	1,554.00	26.53	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 #125N

Survey Data

Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/2/2009	1,644.00	27.08	MWD	Scientific Drilling
12/2/2009	1,734.00	26.55	MWD	Scientific Drilling
12/2/2009	1,823.00	26.85	MWD	Scientific Drilling
12/2/2009	1,913.00	26.02	MWD	Scientific Drilling
12/2/2009	2,003.00	26.18	MWD	Scientific Drilling
12/2/2009	2,093.00	25.02	MWD	Scientific Drilling
12/2/2009	2,183.00	24.13	MWD	Scientific Drilling
12/2/2009	2,273.00	24.12	MWD	Scientific Drilling
12/3/2009	2,363.00	23.30	MWD	Scientific Drilling
12/3/2009	2,453.00	23.25	MWD	Scientific Drilling
12/3/2009	2,544.00	23.55	MWD	Scientific Drilling
12/3/2009	2,634.00	24.87	MWD	Scientific Drilling
12/3/2009	2,724.00	24.75	MWD	Scientific Drilling
12/3/2009	2,814.00	26.10	MWD	Scientific Drilling
12/3/2009	2,904.00	25.37	MWD	Scientific Drilling
12/3/2009	2,994.00	25.55	MWD	Scientific Drilling
12/3/2009	3,084.00	24.36	MWD	Scientific Drilling
12/3/2009	3,173.00	23.94	MWD	Scientific Drilling
12/3/2009	3,263.00	22.31	MWD	Scientific Drilling
12/3/2009	3,353.00	20.51	MWD	Scientific Drilling
12/3/2009	3,443.00	18.69	MWD	Scientific Drilling
12/3/2009	3,533.00	17.07	MWD	Scientific Drilling
12/3/2009	3,623.00	18.45	MWD	Scientific Drilling
12/3/2009	3,713.00	17.28	MWD	Scientific Drilling
12/4/2009	3,803.00	14.87	MWD	Scientific Drilling
12/4/2009	3,892.00	12.31	MWD	Scientific Drilling
12/4/2009	3,982.00	10.09	MWD	Scientific Drilling
12/4/2009	4,072.00	8.12	MWD	Scientific Drilling
12/4/2009	4,162.00	6.38	MWD	Scientific Drilling
12/4/2009	4,252.00	5.06	MWD	Scientific Drilling
12/4/2009	4,347.00	3.23	MWD	Scientific Drilling
12/18/2009	7,967.00	0.50	Inc-WL	PHOENIX

RCVD APR 19 '10
OIL CONS. DIV.
DIST. 3

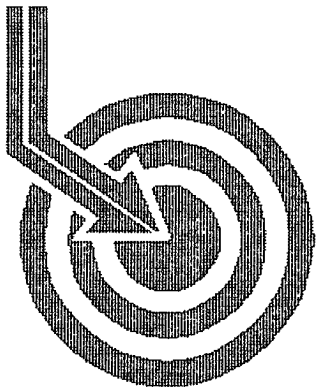
I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and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

[Signature]

Subscribed and sworn to me this April 9, 2010

[Signature]
Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



Scientific Drilling

BURLINGTON RESOURCES

Field: San Juan (NM Central)
Site: SEC 21-T28N-R6W
Well: San Juan 28-6 #125N
Wellpath: DH - Job #33D1209217
Survey: 12/01/09-12/07/09

API # 30.039.30813

RCVD APR 19 '10

OIL CONS. DIV.

DIST. 3

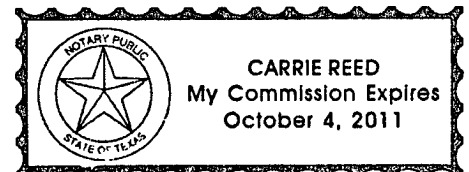
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Robert*.....Company Representative

Notorized this date 14th of December, 2009.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES	Date: 12/13/2009	Time: 21:10:26	Page: 1
Field: San Juan (NM Central)	Co-ordinate(NE) Reference:	Well: San Juan 28-6 #125N, True North	
Site: SEC 21-T28N-R6W	Vertical (TVD) Reference:	SITE 0.0	
Well: San Juan 28-6 #125N	Section (VS) Reference:	Well (0:00N,0.00E,247.62Azi)	
Wellpath: DH - Job #33D1209217	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 12/01/09-12/07/09	Start Date: 12/01/2009
E-field 0'-4347'	
Company: Scientific Drilling Internatio	Engineer: Burrus/Lowe/Rogers/Ratliff
Tool: E-field;E-field	Tied-to: From Surface

Site: SEC 21-T28N-R6W

Site Position:	Northing: 2058719.88 ft	Latitude: 36 39 6.308 N
From: Map	Easting: 142967.57 ft	Longitude: 107 28 1.617 W
Position Uncertainty: 0.00 ft	North Reference: True	Grid Convergence: -0.73 deg
Ground Level: 6466.00 ft		

Well: San Juan 28-6 #125N	Slot Name:
1317' Slant @ S67.62W	
Well Position: +N/-S -102.12 ft	Northing: 2058618.55 ft
+E/-W -61.61 ft	Easting: 142904.67 ft
Position Uncertainty: 0.00 ft	Latitude: 36 39 5.298 N
	Longitude: 107 28 2.373 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
266.00	1.35	209.08	265.98	2.45	-2.74	-1.52	0.51	3.13	209.08
296.00	1.32	205.15	295.97	2.98	-3.36	-1.84	0.32	3.83	208.73
326.00	1.90	224.32	325.96	3.69	-4.03	-2.34	2.61	4.66	210.11
357.00	2.75	227.96	356.93	4.87	-4.89	-3.25	2.78	5.87	213.56
387.00	3.02	231.26	386.89	6.30	-5.87	-4.40	1.06	7.34	216.84
418.00	4.00	239.37	417.83	8.16	-6.93	-5.97	3.54	9.15	220.71
448.00	4.42	242.64	447.75	10.34	-8.00	-7.89	1.61	11.24	224.62
479.00	5.19	246.26	478.64	12.93	-9.11	-10.24	2.67	13.70	228.33
510.00	6.17	250.71	509.49	16.00	-10.23	-13.09	3.46	16.61	232.01
541.00	6.70	253.79	540.30	19.46	-11.28	-16.40	2.04	19.91	235.48
572.00	7.39	254.07	571.06	23.24	-12.33	-20.06	2.23	23.54	238.41
603.00	8.39	254.59	601.77	27.47	-13.48	-24.15	3.23	27.66	240.83
634.00	9.22	250.99	632.40	32.19	-14.89	-28.68	3.21	32.32	242.56
664.00	10.12	250.23	661.98	37.22	-16.57	-33.43	3.03	37.31	243.64
694.00	10.97	249.69	691.47	42.71	-18.45	-38.59	2.85	42.77	244.45
725.00	11.46	249.41	721.88	48.73	-20.55	-44.24	1.59	48.78	245.08
755.00	12.27	248.47	751.24	54.90	-22.77	-50.00	2.78	54.94	245.51
785.00	13.32	247.42	780.49	61.54	-25.27	-56.15	3.58	61.58	245.77
834.00	14.32	247.17	828.07	73.25	-29.79	-66.95	2.04	73.28	246.01
879.00	15.37	246.85	871.57	84.78	-34.29	-77.56	2.34	84.81	246.15
924.00	16.73	248.34	914.81	97.22	-39.03	-89.07	3.16	97.24	246.34
969.00	18.07	248.30	957.75	110.67	-44.00	-101.57	2.98	110.69	246.58
1014.00	18.89	247.89	1000.43	124.94	-49.32	-114.80	1.84	124.95	246.75
1059.00	20.04	248.09	1042.86	139.93	-54.94	-128.71	2.56	139.94	246.88
1104.00	21.21	247.51	1084.97	155.78	-60.93	-143.38	2.64	155.79	246.98
1149.00	22.50	247.71	1126.74	172.53	-67.31	-158.87	2.87	172.54	247.04
1194.00	23.50	247.59	1168.16	190.11	-74.00	-175.13	2.22	190.12	247.09
1239.00	24.76	248.49	1209.23	208.51	-80.87	-192.19	2.92	208.52	247.18
1284.00	25.88	247.93	1249.91	227.75	-88.02	-210.06	2.55	227.76	247.27
1329.00	25.95	247.66	1290.38	247.42	-95.45	-228.27	0.30	247.42	247.31
1374.00	25.56	246.78	1330.91	266.97	-103.02	-246.30	1.21	266.98	247.30
1464.00	26.07	246.66	1411.93	306.16	-118.51	-282.30	0.57	306.17	247.23
1554.00	26.53	246.55	1492.61	346.03	-134.35	-318.90	0.51	346.04	247.16
1644.00	27.08	246.64	1572.94	386.61	-150.47	-356.14	0.61	386.63	247.10
1734.00	26.55	246.00	1653.26	427.20	-166.77	-393.33	0.67	427.22	247.02
1823.00	26.85	246.34	1732.77	467.17	-182.93	-429.91	0.38	467.21	246.95



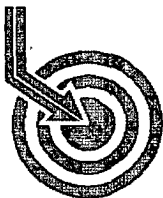
Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES	Date: 12/13/2009	Time: 21:10:26	Page: 2
Field: San Juan (NM Central)	Co-ordinate(NE) Reference:	Well: San Juan 28-6 #125N, True North.	
Site: SEC 21-T28N-R6W	Vertical (TVD) Reference:	SITE 0.0'	
Well: San Juan 28-6 #125N	Section (VS) Reference:	Well (0.00N,0.00E,247.62Azi)	
Wellpath: DH - Job #33D1209217	Survey Calculation Method: Minimum Curvature	Db: Sybase	

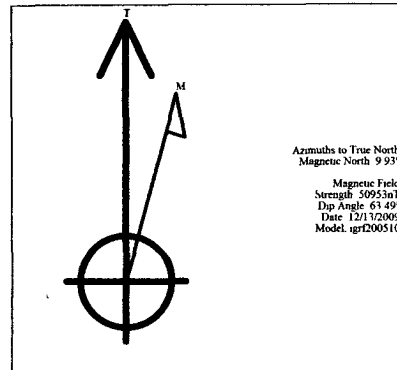
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1913.00	26.02	247.15	1813.36	507.24	-198.75	-466.72	1.01	507.27	246.93
2003.00	26.18	246.87	1894.18	546.83	-214.21	-503.17	0.22	546.87	246.94
2093.00	25.02	246.62	1975.35	585.71	-229.57	-538.89	1.29	585.75	246.93
2183.00	24.13	245.72	2057.20	623.13	-244.68	-573.13	1.07	623.18	246.88
2273.00	24.12	245.04	2139.33	659.88	-260.01	-606.57	0.31	659.95	246.80
2363.00	23.30	243.45	2221.74	696.01	-275.72	-639.17	1.16	696.10	246.67
2453.00	23.25	244.69	2304.41	731.50	-291.27	-671.15	0.55	731.63	246.54
2544.00	23.55	245.38	2387.93	767.60	-306.53	-703.91	0.45	767.76	246.47
2634.00	24.87	246.02	2470.01	804.49	-321.71	-737.55	1.50	804.66	246.43
2724.00	24.75	245.06	2551.71	842.23	-337.34	-771.93	0.47	842.42	246.39
2814.00	26.10	247.90	2632.99	880.85	-352.74	-807.36	2.02	881.05	246.40
2904.00	25.37	246.64	2714.06	919.92	-367.83	-843.40	1.01	920.12	246.44
2994.00	25.55	248.92	2795.33	958.61	-382.46	-879.21	1.11	958.79	246.49
3084.00	24.36	248.42	2876.92	996.57	-396.27	-914.58	1.34	996.74	246.57
3173.00	23.94	249.42	2958.13	1032.97	-409.36	-948.55	0.66	1033.12	246.66
3263.00	22.31	247.68	3040.90	1068.31	-422.27	-981.45	1.96	1068.44	246.72
3353.00	20.51	246.24	3124.69	1101.16	-435.11	-1011.69	2.08	1101.29	246.73
3443.00	18.69	244.97	3209.47	1131.33	-447.57	-1039.19	2.08	1131.47	246.70
3533.00	17.07	246.48	3295.12	1158.94	-458.94	-1064.37	1.87	1159.10	246.67
3623.00	18.45	247.91	3380.83	1186.39	-469.57	-1089.68	1.61	1186.55	246.69
3713.00	17.28	247.22	3466.49	1214.00	-480.10	-1115.20	1.32	1214.15	246.71
3803.00	14.87	245.02	3552.96	1238.90	-490.15	-1138.00	2.76	1239.07	246.70
3892.00	12.31	244.38	3639.46	1259.79	-499.08	-1156.90	2.88	1259.96	246.66
3982.00	10.09	241.17	3727.74	1277.20	-507.03	-1172.46	2.56	1277.40	246.61
4072.00	8.12	238.20	3816.61	1291.31	-514.18	-1184.77	2.25	1291.54	246.54
4162.00	6.38	235.72	3905.88	1302.47	-520.35	-1194.31	1.96	1302.74	246.46
4252.00	5.06	235.08	3995.43	1311.24	-525.44	-1201.70	1.47	1311.55	246.38
4347.00	3.23	235.15	4090.18	1317.94	-529.37	-1207.33	1.93	1318.28	246.32



Scientific
Drilling

Field: San Juan (NM Central)
Site: SEC 21-T28N-R6W
Well: San Juan 28-6 #125N
Wellpath: DH - Job #33D1209217
Survey: 12/01/09-12/07/09



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

