

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

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30713	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 83M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6825'

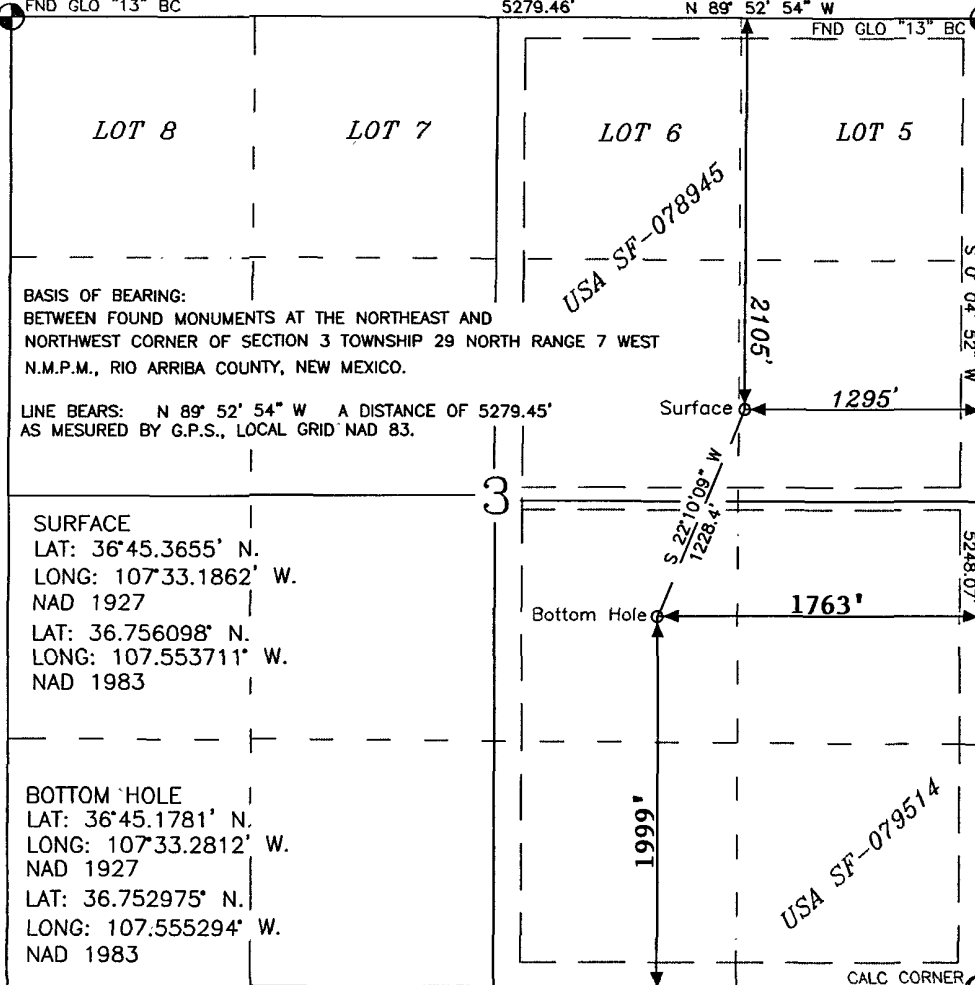
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	3	29-N	7-W		2105'	NORTH	1295'	EAST	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
J	3	29-N	7-W		1999'	SOUTH	1763'	EAST	RIO ARRIBA
¹² Dedicated Acres DK 318.05 ACRES E/2 MV 318.05 ACRES E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD MAY 13 '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



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 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.

Patsy Clugston
Signature

Patsy Clugston 5/13/2010
Printed Name

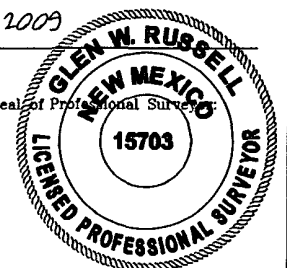
18 SURVEYOR CERTIFICATION

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.

OCTOBER 23, 2009

Date of Survey

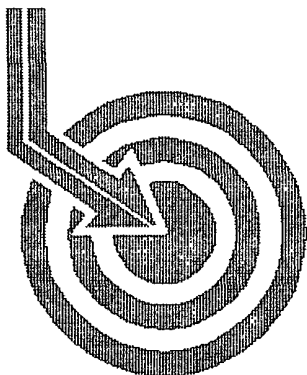
Signature and Seal of Professional Surveyor



GLEN W. RUSSELL

Certificate Number

15703



Scientific Drilling

BURLINGTON RESOURCES

Field: San Juan (NM Central)
Site: SEC 3-T29N-R7W
Well: San Juan 29-7 #83M
Wellpath: DH - Job #33D1209212
Survey: 12/04/09-12/08/09

RCVD MAY 11 '10
OIL CONS. DIV.
DIST. 3

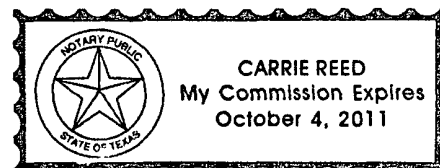
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Richard.....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 Field: San Juan (NM Central) Site: SEC 3-T29N-R7W Well: San Juan 29-7 #83M Wellpath: DH - Job #33D1209212			Date: 12/13/2009 Time: 21:34:39 Page: 1 Co-ordinate(NE) Reference: Well: San Juan 29-7 #83M, True North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,202.19Azi) Survey Calculation Method: Minimum Curvature Db: Sybase						
Survey: 12/04/09-12/08/09 Company: Scientific Drilling Internatio Tool: E-field;E-field			Start Date: 12/04/2009 Engineer: Lowe/Richey/Flower/Blosser Tied-to: From Surface						
Site: SEC 3-T29N-R7W									
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 6825.00 ft		Northing: 2097070.55 ft Easting: 118354.65 ft		Latitude: 36 45 22.272 N Longitude: 107 33 10.002 W North Reference: True Grid Convergence: -0.78 deg					
Well: San Juan 29-7 #83M 1236' Slant @ S22.19W									
Well Position: +N/-S -34.59 ft +E/-W -95.23 ft Position Uncertainty: 0.00 ft		Northing: 2097037.26 ft Easting: 118258.96 ft		Slot Name: Latitude: 36 45 21.930 N Longitude: 107 33 11.172 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
268.00	0.20	353.07	268.00	-0.41	0.46	-0.06	0.07	0.47	353.07
299.00	0.11	286.34	299.00	-0.45	0.53	-0.09	0.60	0.53	350.14
330.00	0.48	248.95	330.00	-0.36	0.49	-0.24	1.28	0.54	333.70
360.00	1.12	213.16	360.00	0.01	0.20	-0.52	2.61	0.56	290.84
391.00	1.59	206.80	390.99	0.74	-0.44	-0.88	1.59	0.98	243.40
422.00	2.15	203.52	421.97	1.75	-1.36	-1.30	1.84	1.88	223.87
453.00	3.04	199.33	452.94	3.15	-2.67	-1.81	2.93	3.22	214.15
482.00	3.90	198.32	481.89	4.90	-4.33	-2.37	2.97	4.94	208.74
513.00	4.82	195.63	512.80	7.25	-6.58	-3.06	3.04	7.26	204.90
544.00	5.82	195.29	543.66	10.10	-9.35	-3.82	3.23	10.10	202.22
575.00	6.88	197.97	574.47	13.52	-12.64	-4.81	3.55	13.52	200.83
606.00	7.86	199.59	605.21	17.49	-16.40	-6.09	3.23	17.49	200.38
636.00	9.02	201.14	634.89	21.89	-20.53	-7.63	3.94	21.90	200.39
667.00	10.09	200.61	665.46	27.03	-25.33	-9.46	3.46	27.04	200.48
698.00	10.97	200.65	695.94	32.69	-30.64	-11.46	2.84	32.71	200.50
729.00	11.68	201.71	726.33	38.78	-36.31	-13.66	2.39	38.79	200.61
760.00	12.50	201.56	756.64	45.27	-42.35	-16.05	2.65	45.29	200.76
790.00	13.25	202.60	785.89	51.96	-48.54	-18.57	2.62	51.97	200.93
821.00	14.11	203.53	816.01	59.29	-55.28	-21.44	2.86	59.30	201.20
851.00	15.00	203.63	845.05	66.82	-62.19	-24.46	2.97	66.83	201.47
900.00	16.39	204.59	892.22	80.07	-74.29	-29.87	2.89	80.07	201.91
944.00	17.44	205.58	934.32	92.86	-85.88	-35.30	2.47	92.86	202.35
989.00	18.93	204.29	977.07	106.88	-98.62	-41.22	3.43	106.89	202.68
1034.00	20.36	204.87	1019.45	122.00	-112.38	-47.51	3.21	122.01	202.92
1079.00	21.85	203.28	1061.43	138.19	-127.17	-54.12	3.55	138.21	203.05
1124.00	22.98	201.87	1103.03	155.35	-143.02	-60.70	2.78	155.36	203.00
1169.00	23.31	201.96	1144.40	173.03	-159.42	-67.30	0.74	173.05	202.89
1259.00	23.44	202.67	1227.02	208.74	-192.46	-80.86	0.34	208.75	202.79
1349.00	24.02	202.46	1309.41	244.96	-225.90	-94.76	0.65	244.97	202.76
1439.00	24.30	202.74	1391.53	281.79	-259.91	-108.91	0.34	281.81	202.74
1529.00	24.08	201.42	1473.62	318.67	-294.08	-122.78	0.65	318.68	202.66
1619.00	24.17	200.23	1555.76	355.44	-328.46	-135.85	0.55	355.45	202.47
1709.00	23.77	199.85	1638.00	391.98	-362.81	-148.38	0.48	391.98	202.24
1799.00	23.84	199.69	1720.34	428.27	-397.00	-160.67	0.11	428.28	202.03
1888.00	23.47	200.03	1801.87	463.95	-430.58	-172.80	0.44	463.96	201.87
1978.00	23.57	201.06	1884.39	499.85	-464.21	-185.40	0.47	499.87	201.77



Scientific
Drilling

Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES
Field: San Juan (NM Central)
Site: SEC 3-T29N-R7W
Well: San Juan 29-7 #83M
Wellpath: DH - Job #33D1209212

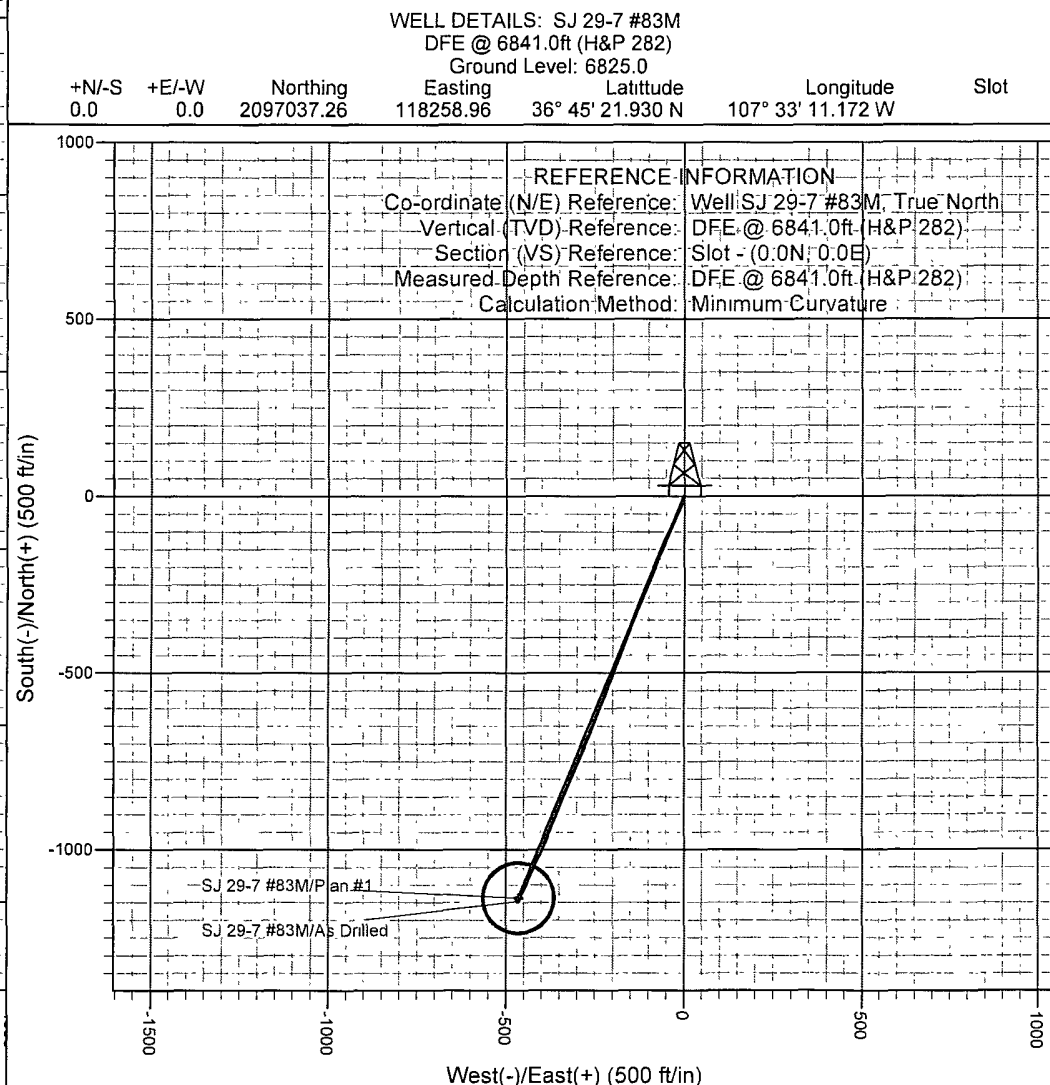
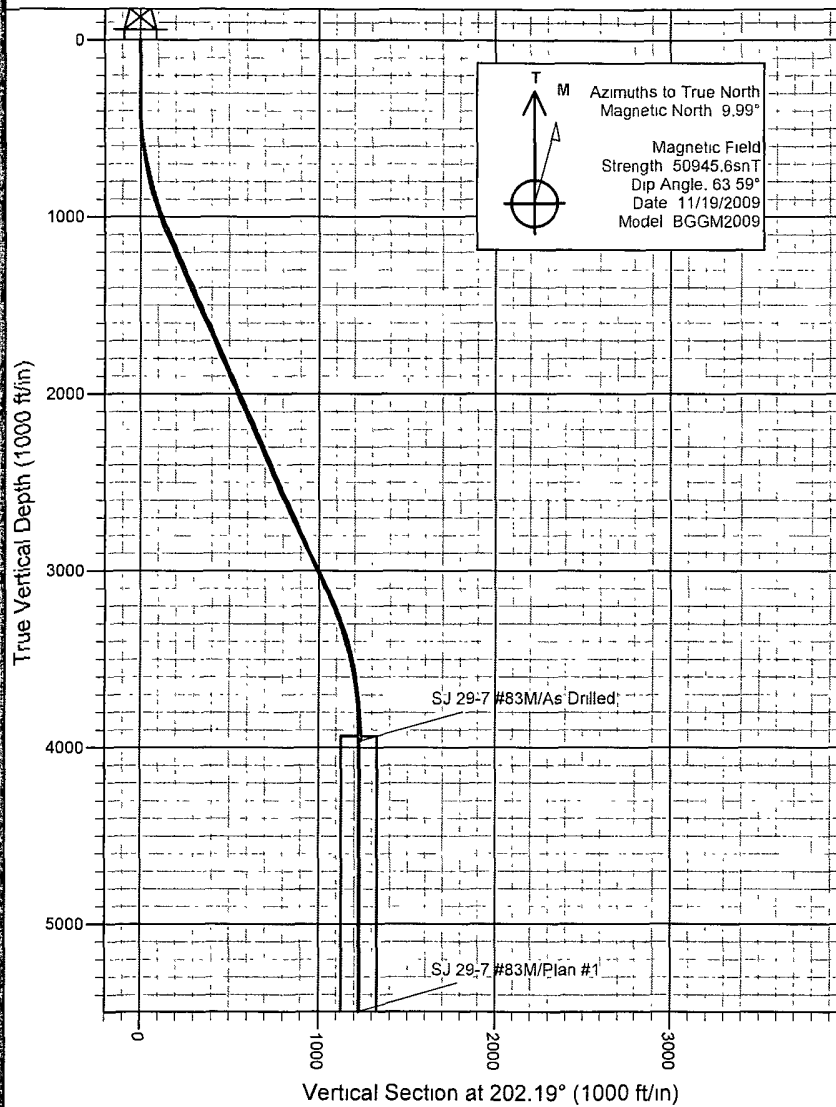
Date: 12/13/2009 Time: 21:34:39 Page: 2
Co-ordinate(NE) Reference: Well: San Juan 29-7 #83M, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,202.19Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2068.00	23.39	201.23	1966.94	535.71	-497.66	-198.34	0.21	535.72	201.73
2158.00	23.17	199.92	2049.61	571.26	-530.96	-210.84	0.63	571.29	201.66
2248.00	22.99	199.92	2132.41	606.51	-564.13	-222.86	0.20	606.55	201.56
2338.00	23.92	201.66	2214.97	642.32	-597.61	-235.58	1.29	642.37	201.51
2428.00	23.50	201.04	2297.37	678.51	-631.31	-248.76	0.54	678.56	201.51
2518.00	22.41	200.21	2380.25	713.59	-664.16	-261.13	1.26	713.65	201.46
2608.00	23.20	203.93	2463.21	748.46	-696.47	-274.25	1.83	748.52	201.49
2698.00	24.30	203.18	2545.59	784.70	-729.69	-288.73	1.27	784.74	201.59
2788.00	24.64	203.31	2627.51	821.97	-763.95	-303.44	0.38	822.00	201.66
2878.00	24.27	201.31	2709.43	859.22	-798.41	-317.59	1.01	859.26	201.69
2968.00	25.15	202.61	2791.19	896.84	-833.30	-331.66	1.15	896.87	201.70
3058.00	26.15	202.41	2872.32	935.80	-869.29	-346.58	1.12	935.83	201.74
3148.00	25.92	201.41	2953.19	975.30	-905.94	-361.32	0.55	975.33	201.74
3238.00	26.07	201.80	3034.08	1014.75	-942.61	-375.84	0.25	1014.78	201.74
3327.00	24.77	202.26	3114.47	1052.95	-978.02	-390.17	1.48	1052.98	201.75
3417.00	22.80	204.48	3196.82	1089.23	-1011.35	-404.54	2.40	1089.25	201.80
3507.00	20.36	204.45	3280.51	1122.30	-1041.48	-418.25	2.71	1122.32	201.88
3597.00	17.62	203.43	3365.60	1151.57	-1068.23	-430.14	3.07	1151.58	201.93
3687.00	14.51	202.41	3452.07	1176.47	-1091.16	-439.86	3.47	1176.48	201.96
3777.00	11.33	205.83	3539.79	1196.57	-1109.54	-448.01	3.63	1196.58	201.99
3866.00	7.50	213.18	3627.57	1211.01	-1122.28	-455.00	4.50	1211.01	202.07
3956.00	5.80	208.86	3716.97	1221.29	-1131.18	-460.41	1.97	1221.29	202.15
4046.00	4.64	211.00	3806.59	1229.40	-1138.28	-464.48	1.31	1229.40	202.20
4147.00	3.10	207.23	3907.36	1236.16	-1144.21	-467.84	1.54	1236.16	202.24



Project: SJB (NM Central)
 Site: SEC 03-T29N-R7W
 Well: SJ 29-7 #83M
 Wellbore: Original Hole
 Design: As Drilled



WELL DETAILS: SJ 29-7 #83M
 DFE @ 6841.0ft (H&P 282)
 Ground Level: 6825.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2097037.26	118258.96	36° 45' 21.930 N	107° 33' 11.172 W	

COMPANY DETAILS: ConocoPhillips
 Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Combined Covariances
 Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM Central)
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico Central 3002
 System Datum: Mean Sea Level

SITE DETAILS: SEC 03-T29N-R7W
 Rio Arriba County NM
 Site Centre Latitude: 36° 45' 22.272 N
 Longitude: 107° 33' 10.002 W
 Positional Uncertainty: 0.0
 Convergence:
 Local North: True

**COP Deviation Report
SAN JUAN 29-7 UNIT #83M**

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #83M	API / UWI 3003930713	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 003-029N-007W-H	N/S Dist (ft) 2,105.00	N/S Ref FNL	E/W Dist (ft) 1,295.00	E/W Ref FEL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
12/5/2009	0.00	0.00	IncAzi-MWD	Scientific Drilling
12/3/2009	100.00	0.00	Inc-WL	RIG
12/4/2009	200.00	0.50	Inc-WL	RIG
12/5/2009	268.00	0.20	IncAzi-MWD	Scientific Drilling
12/5/2009	299.00	0.11	IncAzi-MWD	Scientific Drilling
12/5/2009	330.00	0.48	IncAzi-MWD	Scientific Drilling
12/5/2009	360.00	1.12	IncAzi-MWD	Scientific Drilling
12/5/2009	391.00	1.59	IncAzi-MWD	Scientific Drilling
12/5/2009	422.00	2.15	IncAzi-MWD	Scientific Drilling
12/5/2009	453.00	3.04	IncAzi-MWD	Scientific Drilling
12/5/2009	482.00	3.90	IncAzi-MWD	Scientific Drilling
12/5/2009	513.00	4.82	IncAzi-MWD	Scientific Drilling
12/5/2009	544.00	5.82	IncAzi-MWD	Scientific Drilling
12/5/2009	575.00	6.88	IncAzi-MWD	Scientific Drilling
12/5/2009	606.00	7.86	IncAzi-MWD	Scientific Drilling
12/5/2009	636.00	9.02	IncAzi-MWD	Scientific Drilling
12/5/2009	667.00	10.09	IncAzi-MWD	Scientific Drilling
12/5/2009	698.00	10.97	IncAzi-MWD	Scientific Drilling
12/5/2009	729.00	11.68	IncAzi-MWD	Scientific Drilling
12/5/2009	760.00	12.50	IncAzi-MWD	Scientific Drilling
12/5/2009	790.00	13.25	IncAzi-MWD	Scientific Drilling
12/5/2009	821.00	14.11	IncAzi-MWD	Scientific Drilling
12/5/2009	851.00	15.00	IncAzi-MWD	Scientific Drilling
12/5/2009	900.00	16.39	IncAzi-MWD	Scientific Drilling
12/5/2009	944.00	17.44	IncAzi-MWD	Scientific Drilling
12/5/2009	989.00	18.93	IncAzi-MWD	Scientific Drilling
12/5/2009	1,034.00	20.36	IncAzi-MWD	Scientific Drilling
12/5/2009	1,079.00	21.85	IncAzi-MWD	Scientific Drilling
12/5/2009	1,124.00	22.98	IncAzi-MWD	Scientific Drilling
12/5/2009	1,169.00	23.31	IncAzi-MWD	Scientific Drilling
12/5/2009	1,259.00	23.44	IncAzi-MWD	Scientific Drilling
12/5/2009	1,349.00	24.02	IncAzi-MWD	Scientific Drilling
12/5/2009	1,439.00	24.30	IncAzi-MWD	Scientific Drilling
12/6/2009	1,529.00	24.08	IncAzi-MWD	Scientific Drilling
12/6/2009	1,619.00	24.17	IncAzi-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 5/10/10
Patricia L. Clugston

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/2/2012

COP Deviation Report

SAN JUAN 29-7 UNIT #83M

Survey Data					
Date	MD (ftKB)	Incl (°)	Method	Survey Company	
12/6/2009	1,709.00	23.77	IncAzi-MWD	Scientific Drilling	
12/6/2009	1,799.00	23.84	IncAzi-MWD	Scientific Drilling	
12/6/2009	1,888.00	23.47	IncAzi-MWD	Scientific Drilling	
12/6/2009	1,978.00	23.57	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,068.00	23.39	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,158.00	23.17	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,248.00	22.99	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,338.00	23.92	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,428.00	23.50	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,518.00	22.41	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,608.00	23.20	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,698.00	24.30	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,788.00	24.64	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,878.00	24.27	IncAzi-MWD	Scientific Drilling	
12/6/2009	2,968.00	25.15	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,058.00	26.15	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,148.00	25.92	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,238.00	26.07	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,327.00	24.77	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,417.00	22.80	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,507.00	20.36	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,597.00	17.62	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,687.00	14.51	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,777.00	11.33	IncAzi-MWD	Scientific Drilling	
12/6/2009	3,866.00	7.50	IncAzi-MWD	Scientific Drilling	
12/7/2009	3,956.00	5.80	IncAzi-MWD	Scientific Drilling	
12/8/2009	4,046.00	4.64	IncAzi-MWD	Scientific Drilling	
12/8/2009	4,147.00	3.10	IncAzi-MWD	Scientific Drilling	
12/21/2009	8,350.00	1.00	Inc-WL	PHOENIX	

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 _____