

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 30-039-30712	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 83B
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6828'

¹⁰ Surface Location

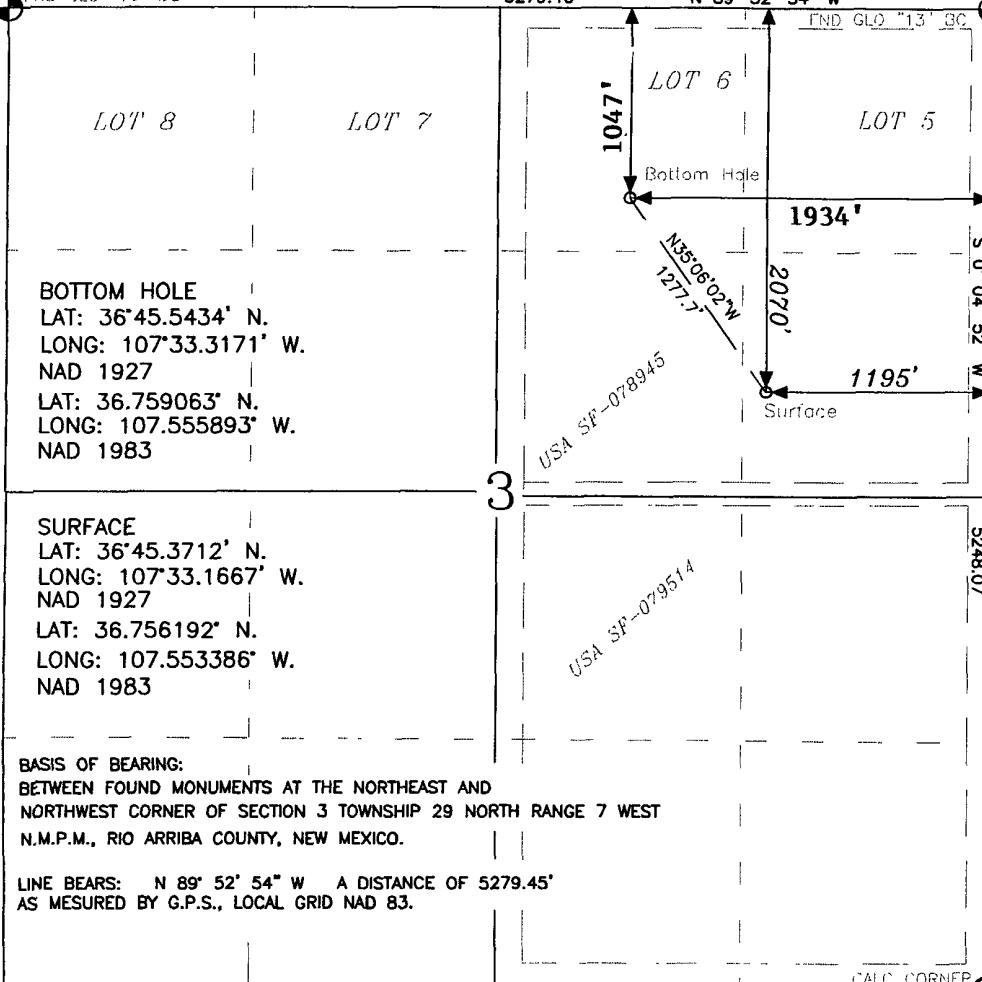
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	3	29-N	7-W		2070'	NORTH	1195'	EAST	RIO ARRIBA

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
B	3	29-N	7-W		1047'	NORTH	1934'	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.
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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
DIST. 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 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 5/13/10
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
15703
LICENSED PROFESSIONAL SURVEYOR

GLEN W. RUSSELL
Certificate Number 15703

W/C GLO "13" BC S 29° 57' W 13.2'

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

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #83B	API / UWI 3003930712	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 003-029N-007W-H	N/S Dist (ft) 2,070.00	N/S Ref FNL	E/W Dist (ft) 1,195.00	E/W Ref FEL

Survey Data				
Date	MD (ftKB)	Incl (°)	Method	Survey Company
11/20/2009	0.00	0.00	IncAzi-MWD	Scientific Drilling
11/18/2009	245.00	0.25	Inc-Drop	RIG
11/20/2009	269.00	0.34	IncAzi-MWD	Scientific Drilling
11/20/2009	300.00	0.12	IncAzi-MWD	Scientific Drilling
11/20/2009	331.00	0.73	IncAzi-MWD	Scientific Drilling
11/20/2009	362.00	1.99	IncAzi-MWD	Scientific Drilling
11/20/2009	393.00	2.99	IncAzi-MWD	Scientific Drilling
11/20/2009	423.00	4.26	IncAzi-MWD	Scientific Drilling
11/20/2009	454.00	5.28	IncAzi-MWD	Scientific Drilling
11/20/2009	485.00	6.34	IncAzi-MWD	Scientific Drilling
11/20/2009	516.00	7.12	IncAzi-MWD	Scientific Drilling
11/20/2009	546.00	7.85	IncAzi-MWD	Scientific Drilling
11/20/2009	595.00	9.98	IncAzi-MWD	Scientific Drilling
11/20/2009	640.00	11.52	IncAzi-MWD	Scientific Drilling
11/20/2009	685.00	12.99	IncAzi-MWD	Scientific Drilling
11/20/2009	730.00	14.59	IncAzi-MWD	Scientific Drilling
11/20/2009	775.00	15.97	IncAzi-MWD	Scientific Drilling
11/20/2009	820.00	17.53	IncAzi-MWD	Scientific Drilling
11/20/2009	865.00	19.03	IncAzi-MWD	Scientific Drilling
11/20/2009	910.00	20.78	IncAzi-MWD	Scientific Drilling
11/20/2009	955.00	22.76	IncAzi-MWD	Scientific Drilling
11/20/2009	1,000.00	24.22	IncAzi-MWD	Scientific Drilling
11/20/2009	1,089.00	24.69	IncAzi-MWD	Scientific Drilling
11/20/2009	1,179.00	25.05	IncAzi-MWD	Scientific Drilling
11/20/2009	1,270.00	25.85	IncAzi-MWD	Scientific Drilling
11/20/2009	1,359.00	26.71	IncAzi-MWD	Scientific Drilling
11/20/2009	1,449.00	26.08	IncAzi-MWD	Scientific Drilling
11/20/2009	1,539.00	24.38	IncAzi-MWD	Scientific Drilling
11/20/2009	1,629.00	24.24	IncAzi-MWD	Scientific Drilling
11/20/2009	1,719.00	24.26	IncAzi-MWD	Scientific Drilling
11/20/2009	1,809.00	24.19	IncAzi-MWD	Scientific Drilling
11/20/2009	1,899.00	23.55	IncAzi-MWD	Scientific Drilling
11/20/2009	1,989.00	23.65	IncAzi-MWD	Scientific Drilling
11/20/2009	2,079.00	22.98	IncAzi-MWD	Scientific Drilling
11/20/2009	2,169.00	22.97	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

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/2/12

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

COP Deviation Report

SAN JUAN 29-7 UNIT #83B

Survey Data

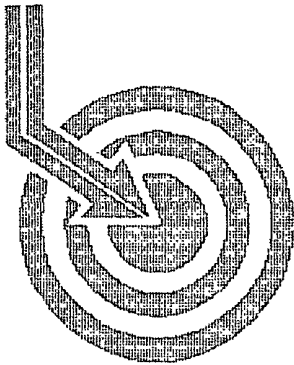
Date	MD (ftKB)	Incl (°)	Method	Survey Company
11/20/2009	2,259.00	23.02	IncAzi-MWD	Scientific Drilling
11/20/2009	2,349.00	23.82	IncAzi-MWD	Scientific Drilling
11/20/2009	2,439.00	23.20	IncAzi-MWD	Scientific Drilling
11/20/2009	2,529.00	23.10	IncAzi-MWD	Scientific Drilling
11/20/2009	2,619.00	22.89	IncAzi-MWD	Scientific Drilling
11/20/2009	2,709.00	22.64	IncAzi-MWD	Scientific Drilling
11/20/2009	2,799.00	23.57	IncAzi-MWD	Scientific Drilling
11/21/2009	2,888.00	24.56	IncAzi-MWD	Scientific Drilling
11/21/2009	2,978.00	26.25	IncAzi-MWD	Scientific Drilling
11/21/2009	3,068.00	26.69	IncAzi-MWD	Scientific Drilling
11/21/2009	3,157.00	26.90	IncAzi-MWD	Scientific Drilling
11/21/2009	3,202.00	26.53	IncAzi-MWD	Scientific Drilling
11/21/2009	3,247.00	25.66	IncAzi-MWD	Scientific Drilling
11/21/2009	3,292.00	24.67	IncAzi-MWD	Scientific Drilling
11/21/2009	3,337.00	24.06	IncAzi-MWD	Scientific Drilling
11/21/2009	3,382.00	23.41	IncAzi-MWD	Scientific Drilling
11/21/2009	3,427.00	22.16	IncAzi-MWD	Scientific Drilling
11/21/2009	3,472.00	19.94	IncAzi-MWD	Scientific Drilling
11/21/2009	3,517.00	18.86	IncAzi-MWD	Scientific Drilling
11/21/2009	3,562.00	17.48	IncAzi-MWD	Scientific Drilling
11/21/2009	3,607.00	15.72	IncAzi-MWD	Scientific Drilling
11/21/2009	3,652.00	13.61	IncAzi-MWD	Scientific Drilling
11/21/2009	3,697.00	12.02	IncAzi-MWD	Scientific Drilling
11/21/2009	3,742.00	10.70	IncAzi-MWD	Scientific Drilling
11/21/2009	3,787.00	9.26	IncAzi-MWD	Scientific Drilling
11/21/2009	3,832.00	7.38	IncAzi-MWD	Scientific Drilling
11/21/2009	3,877.00	5.63	IncAzi-MWD	Scientific Drilling
11/21/2009	3,921.00	5.36	IncAzi-MWD	Scientific Drilling
11/21/2009	3,966.00	3.88	IncAzi-MWD	Scientific Drilling
11/21/2009	4,011.00	2.80	IncAzi-MWD	Scientific Drilling
11/21/2009	4,056.00	1.73	IncAzi-MWD	Scientific Drilling
11/21/2009	4,101.00	1.94	IncAzi-MWD	Scientific Drilling
11/21/2009	4,146.00	1.54	IncAzi-MWD	Scientific Drilling
12/21/2009	8,412.00	0.75	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 _____



Scientific Drilling

BURLINGTON RESOURCES

Field: San Juan (NM Central)
Site: SEC 3-T29N-R7W
Well: San Juan 29-7 #83B
Wellpath: DH - Job #33D1109209
Survey: 11/18/09-11/23/09

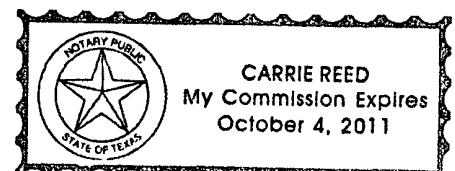
RCVD MAY 11 '10
OIL CONS. DIV.
DIST. 3

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

.....*Richard Barton*.....Company Representative

Notorized this date 7th of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





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 #83B
Wellpath: DH - Job #33D1109209

Date: 12/04/2009 Time: 16:52:41 Page: 1
Co-ordinate(NE) Reference: Site: SEC 3-T29N-R7W, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,324.90Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 11/18/09-11/23/09 Start Date: 11/18/2009
E-field 0'-4146'
Company: Scientific Drilling Internatio Engineer: Lowe/Kiser/Flower/Ratliff
Tool: E-field;E-field Tied-to: From Surface

Site: SEC 3-T29N-R7W

Site Position: Northing: 2097070.55 ft Latitude: 36 45 22.272 N
From: Map Easting: 118354.65 ft Longitude: 107 33 10.002 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 6828.00 ft Grid Convergence: -0.78 deg

Well: San Juan 29-7 #83B Slot Name:
1261' Slant @ N35.10W
Well Position: +N/-S 0.00 ft Northing: 2097070.55 ft Latitude: 36 45 22.272 N
+E/-W 0.00 ft Easting: 118354.65 ft Longitude: 107 33 10.002 W
Position Uncertainty: 0.00 ft

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
269.00	0.34	270.27	269.00	0.46	0.00	-0.80	0.13	0.80	270.27
300.00	0.12	308.02	300.00	0.55	0.02	-0.92	0.83	0.92	271.51
331.00	0.73	343.89	331.00	0.76	0.23	-1.00	2.05	1.02	283.22
362.00	1.99	356.14	361.99	1.41	0.96	-1.09	4.15	1.45	311.47
393.00	2.99	357.57	392.96	2.55	2.31	-1.16	3.23	2.58	333.34
423.00	4.26	354.97	422.90	4.17	4.20	-1.29	4.27	4.39	342.93
454.00	5.28	349.45	453.79	6.47	6.75	-1.65	3.60	6.95	346.25
485.00	6.34	350.66	484.63	9.31	9.84	-2.19	3.44	10.08	347.45
516.00	7.12	345.26	515.42	12.65	13.38	-2.96	3.24	13.71	347.55
546.00	7.85	342.60	545.16	16.35	17.14	-4.04	2.69	17.61	346.73
595.00	9.98	337.92	593.57	23.67	24.27	-6.64	4.59	25.16	344.70
640.00	11.52	334.28	637.78	31.90	31.93	-10.05	3.74	33.47	342.52
685.00	12.99	330.58	681.75	41.37	40.38	-14.49	3.70	42.90	340.26
730.00	14.59	328.22	725.45	52.06	49.61	-19.96	3.77	53.47	338.08
775.00	15.97	325.07	768.86	63.91	59.50	-26.49	3.58	65.13	336.00
820.00	17.53	322.78	811.95	76.88	69.97	-34.13	3.76	77.86	334.00
865.00	19.03	321.69	854.68	90.97	81.13	-42.78	3.42	91.72	332.20
910.00	20.78	321.95	896.99	106.27	93.17	-52.25	3.89	106.82	330.72
955.00	22.76	322.99	938.78	122.95	106.41	-62.41	4.48	123.36	329.61
1000.00	24.22	323.92	980.05	140.88	120.82	-73.09	3.35	141.21	328.83
1089.00	24.69	324.04	1061.06	177.71	150.62	-94.75	0.53	177.95	327.83
1179.00	25.05	323.68	1142.72	215.56	181.19	-117.08	0.43	215.72	327.13
1270.00	25.85	323.72	1224.89	254.65	212.70	-140.23	0.88	254.77	326.60
1359.00	26.71	323.84	1304.69	294.05	244.49	-163.51	0.97	294.13	326.23
1449.00	26.08	322.05	1385.30	334.04	276.43	-187.61	1.13	334.08	325.83
1539.00	24.38	321.10	1466.72	372.33	306.48	-211.44	1.94	372.35	325.40
1629.00	24.24	320.27	1548.74	409.28	335.15	-234.92	0.41	409.28	324.97
1719.00	24.26	319.86	1630.79	446.11	363.49	-258.65	0.19	446.12	324.57
1809.00	24.19	318.70	1712.87	482.86	391.48	-282.74	0.53	482.90	324.16
1899.00	23.55	322.10	1795.18	519.16	419.52	-305.95	1.69	519.24	323.90
1989.00	23.65	321.54	1877.65	555.13	447.84	-328.22	0.27	555.24	323.76
2079.00	22.98	324.19	1960.30	590.72	476.23	-349.73	1.38	590.85	323.71
2169.00	22.97	324.73	2043.16	625.85	504.81	-370.15	0.23	625.98	323.75
2259.00	23.02	324.20	2126.01	661.01	533.42	-390.59	0.24	661.13	323.79
2349.00	23.82	324.35	2208.59	696.78	562.46	-411.47	0.89	696.90	323.81
2439.00	23.20	323.73	2291.12	732.68	591.53	-432.55	0.74	732.81	323.82



Scientific Drilling International

COP Survey Report

Company: BURLINGTON RESOURCES
 Field: San Juan (NM Central)
 Site: SEC 3-T29N-R7W
 Well: San Juan 29-7 #83B
 Wellpath: DH - Job #33D1109209

Date: 12/04/2009 Time: 16:52:41 Page: 2
 Co-ordinate(NE) Reference: Site: SEC 3-T29N-R7W, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,324.90Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

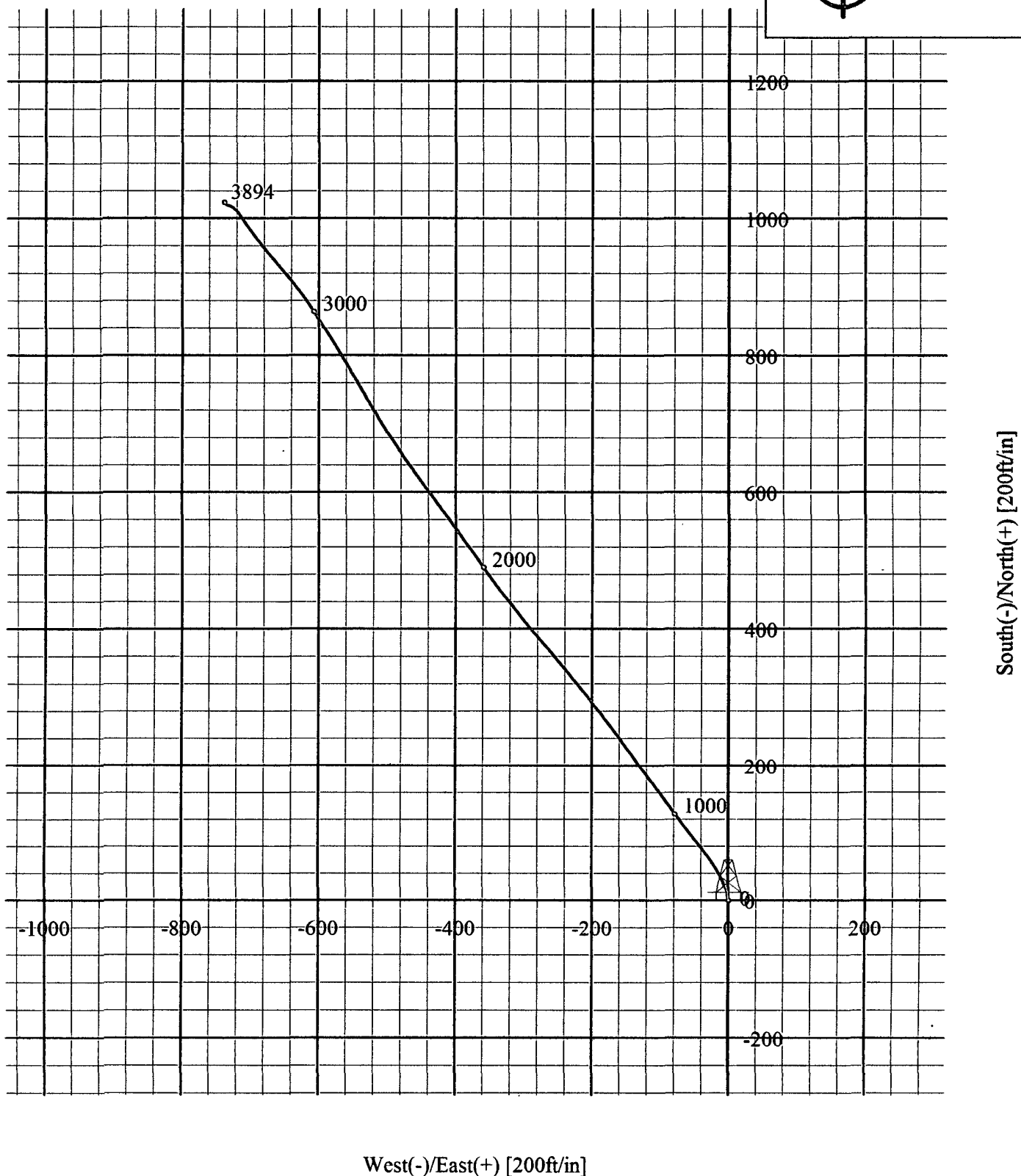
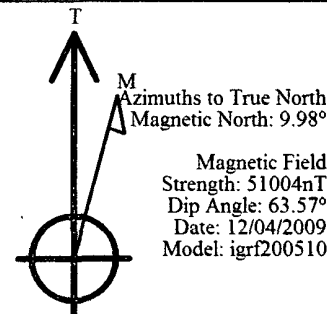
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2529.00	23.10	323.45	2373.88	768.05	620.00	-453.55	0.17	768.19	323.81
2619.00	22.89	325.98	2456.73	803.20	648.69	-473.86	1.12	803.33	323.85
2709.00	22.64	325.86	2539.72	838.02	677.54	-493.38	0.28	838.14	323.94
2799.00	23.57	328.32	2622.50	873.30	707.19	-512.55	1.49	873.40	324.07
2888.00	24.56	330.15	2703.76	909.49	738.37	-531.10	1.39	909.54	324.27
2978.00	26.25	329.60	2785.06	947.95	771.77	-550.48	1.90	947.97	324.50
3068.00	26.69	328.28	2865.62	987.96	806.13	-571.18	0.82	987.97	324.68
3157.00	26.90	328.04	2945.07	1028.02	840.21	-592.35	0.27	1028.02	324.82
3202.00	26.53	327.42	2985.26	1048.23	857.32	-603.15	1.03	1048.23	324.87
3247.00	25.66	325.59	3025.68	1068.01	873.82	-614.07	2.63	1068.01	324.90
3292.00	24.67	323.66	3066.40	1087.14	889.43	-625.14	2.86	1087.14	324.90
3337.00	24.06	321.88	3107.40	1105.69	904.21	-636.37	2.12	1105.69	324.86
3382.00	23.41	320.02	3148.59	1123.76	918.28	-647.77	2.20	1123.76	324.80
3427.00	22.16	320.34	3190.08	1141.13	931.66	-658.93	2.79	1141.13	324.73
3472.00	19.94	319.80	3232.07	1157.23	944.06	-669.30	4.95	1157.24	324.66
3517.00	18.86	320.23	3274.52	1172.12	955.51	-678.91	2.42	1172.14	324.61
3562.00	17.48	321.71	3317.27	1186.12	966.40	-687.75	3.23	1186.14	324.56
3607.00	15.72	322.70	3360.40	1198.96	976.56	-695.63	3.96	1198.99	324.54
3652.00	13.61	324.75	3403.93	1210.35	985.73	-702.38	4.83	1210.38	324.53
3697.00	12.02	324.50	3447.81	1220.33	993.87	-708.16	3.54	1220.36	324.53
3742.00	10.70	324.57	3491.92	1229.19	1001.09	-713.30	2.93	1229.22	324.53
3787.00	9.26	325.05	3536.24	1236.99	1007.46	-717.80	3.21	1237.02	324.53
3832.00	7.38	319.25	3580.77	1243.49	1012.62	-721.76	4.57	1243.52	324.52
3877.00	5.63	304.41	3625.48	1248.43	1016.06	-725.47	5.36	1248.47	324.47
3921.00	5.36	284.59	3669.28	1252.02	1017.79	-729.24	4.33	1252.08	324.38
3966.00	3.88	293.72	3714.13	1254.93	1018.94	-732.67	3.66	1255.00	324.28
4011.00	2.80	299.93	3759.06	1257.23	1020.10	-735.01	2.53	1257.32	324.23
4056.00	1.73	302.08	3804.02	1258.85	1021.01	-736.54	2.38	1258.95	324.19
4101.00	1.94	319.15	3849.00	1260.23	1021.94	-737.62	1.30	1260.33	324.18
4146.00	1.54	306.49	3893.98	1261.57	1022.88	-738.60	1.23	1261.67	324.17



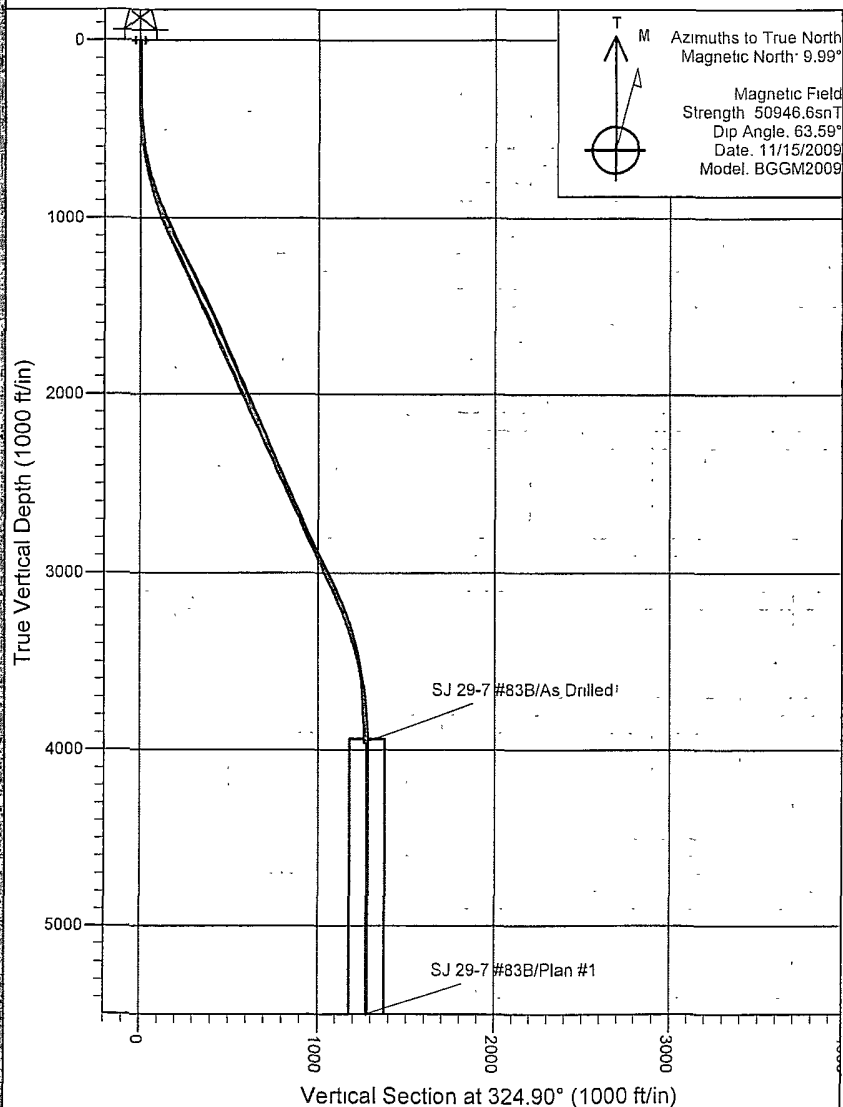
Scientific
Drilling

Field: San Juan (NM Central)
Site: SEC 3-T29N-R7W
Well: San Juan 29-7 #83B
Wellpath: DH - Job #33D1109209
Survey: 11/18/09-11/23/09



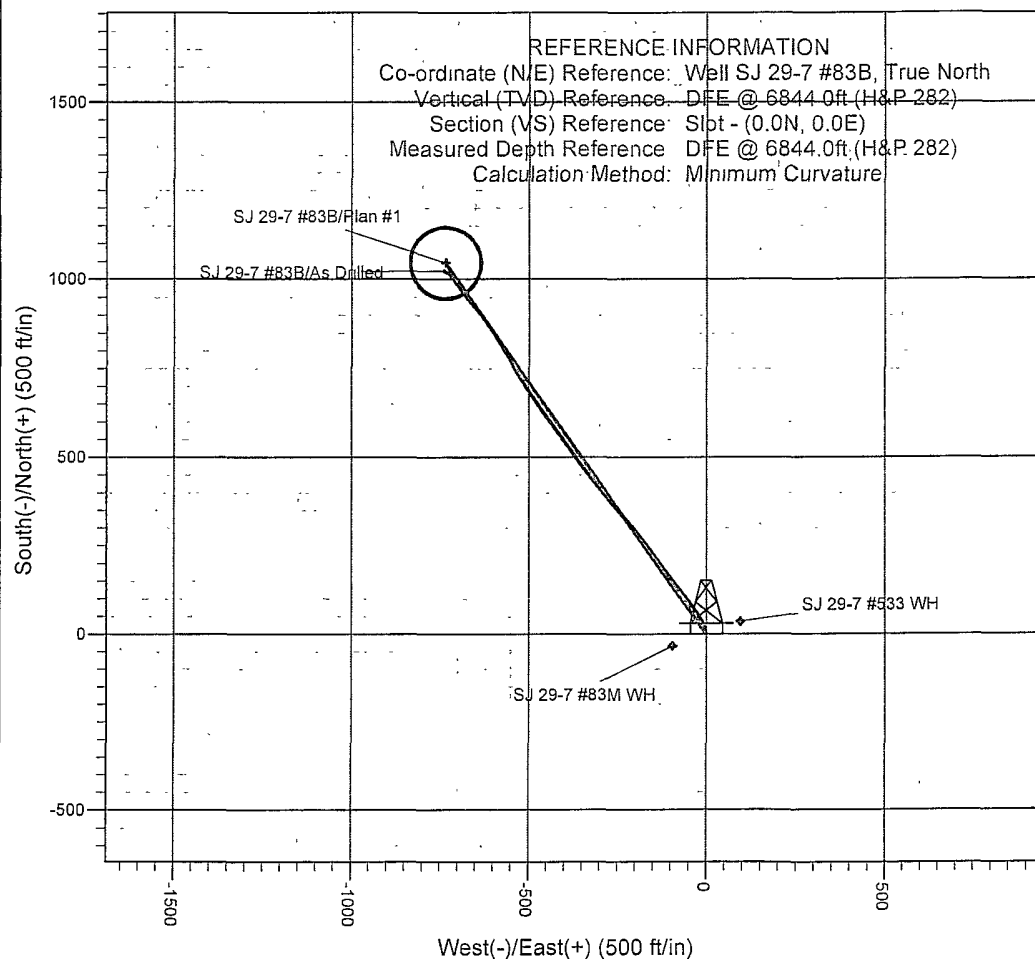


Project: SJB (NM Central)
Site: SEC 03-T29N-R7W
Well: SJ 29-7 #83B
Wellbore: Original Hole
Design: As Drilled



WELL DETAILS: SJ 29-7 #83B
DFE @ 6844.0ft (H&P 282)
Ground Level: 6828.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	2097070.52	118354.65	36° 45' 22.272 N	107° 33' 10.002 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