

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

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised
July 16, 2010

Submit one copy to appropriate
District Office

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31126	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 102B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6211'

¹⁰ Surface Location

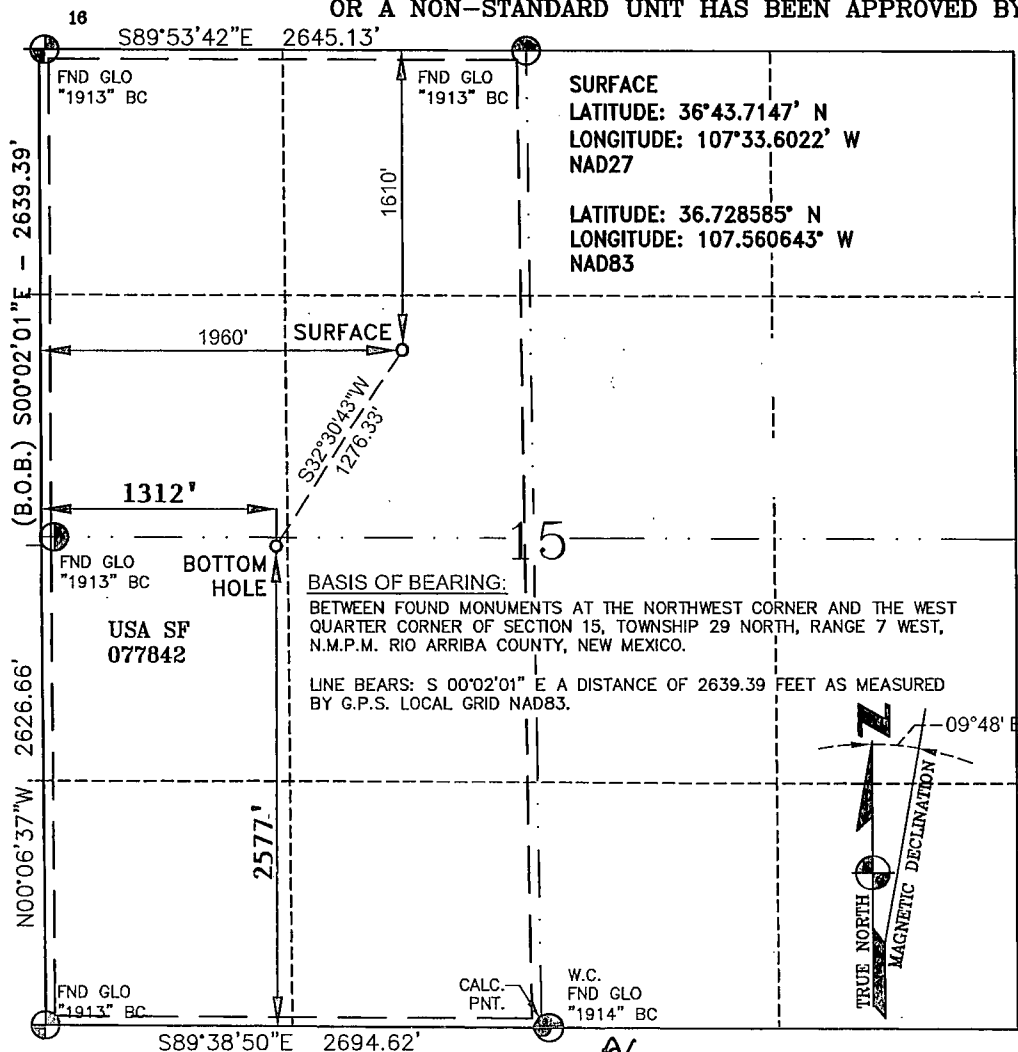
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	29-N	7-W		1610	NORTH	1960	WEST	RIO ARRIBA

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
L	15	29-N	7-W		2577'	SOUTH	1312'	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2	¹³ Joint or Infill C	¹⁴ Consolidation Code	¹⁵ Order No. RCVD DEC 17 '12 OIL CONS. DIV. DIST. 3
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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



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.

Arleen White 12/14/12

Signature Date

Arleen White
Printed Name

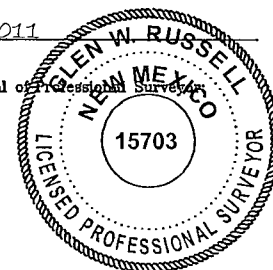
E-mail Address

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.

JUNE 30, 2011
Date of Survey

Signature and Seal of Registered Surveyor



GLEN W. RUSSELL
Certificate Number

15703

TS

COP Deviation Report
SAN JUAN 29-7 UNIT #102B

RCVD DEC 17 '12
OIL CONS. DIV.
DIST. 3

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #102B	API / UWI 3003931126	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 015-029N-007W-F	N/S Dist (ft) 1,610.00	N/S Ref FNL	E/W Dist (ft) 1,960.00	E/W Ref FWL

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
11/3/2012	0.00	0.00	0.00	IncAzi-MWD	Scientific Drilling
10/17/2012	128.00	0.50		Inc-WL	Mo Te Drilling Inc
10/17/2012	235.00	0.25		Inc-WL	Mo Te Drilling Inc
11/3/2012	269.00	1.03	357.86	IncAzi-MWD	Scientific Drilling
11/3/2012	299.00	0.61	9.85	IncAzi-MWD	Scientific Drilling
11/3/2012	330.00	0.43	298.53	IncAzi-MWD	Scientific Drilling
11/3/2012	361.00	0.74	235.97	IncAzi-MWD	Scientific Drilling
11/3/2012	392.00	1.31	217.36	IncAzi-MWD	Scientific Drilling
11/3/2012	423.00	2.01	219.63	IncAzi-MWD	Scientific Drilling
11/3/2012	454.00	2.52	213.67	IncAzi-MWD	Scientific Drilling
11/3/2012	485.00	3.14	210.73	IncAzi-MWD	Scientific Drilling
11/3/2012	516.00	3.82	207.63	IncAzi-MWD	Scientific Drilling
11/3/2012	547.00	4.83	205.05	IncAzi-MWD	Scientific Drilling
11/3/2012	578.00	5.30	203.16	IncAzi-MWD	Scientific Drilling
11/3/2012	609.00	5.91	207.92	IncAzi-MWD	Scientific Drilling
11/3/2012	640.00	6.91	208.50	IncAzi-MWD	Scientific Drilling
11/3/2012	671.00	7.64	208.36	IncAzi-MWD	Scientific Drilling
11/3/2012	702.00	8.21	208.94	IncAzi-MWD	Scientific Drilling
11/3/2012	733.00	8.78	209.71	IncAzi-MWD	Scientific Drilling
11/3/2012	764.00	9.39	213.52	IncAzi-MWD	Scientific Drilling
11/3/2012	795.00	9.87	211.08	IncAzi-MWD	Scientific Drilling
11/3/2012	826.00	10.62	211.34	IncAzi-MWD	Scientific Drilling
11/3/2012	890.00	11.79	211.81	IncAzi-MWD	Scientific Drilling
11/3/2012	953.00	13.49	212.80	IncAzi-MWD	Scientific Drilling
11/3/2012	1,016.00	13.40	213.31	IncAzi-MWD	Scientific Drilling
11/4/2012	1,080.00	13.39	214.31	IncAzi-MWD	Scientific Drilling
11/4/2012	1,143.00	15.63	212.41	IncAzi-MWD	Scientific Drilling
11/4/2012	1,206.00	17.09	210.50	IncAzi-MWD	Scientific Drilling
11/4/2012	1,269.00	18.00	209.99	IncAzi-MWD	Scientific Drilling
11/4/2012	1,332.00	19.14	212.32	IncAzi-MWD	Scientific Drilling
11/4/2012	1,395.00	20.40	212.61	IncAzi-MWD	Scientific Drilling
11/4/2012	1,458.00	22.28	213.80	IncAzi-MWD	Scientific Drilling
11/4/2012	1,521.00	23.10	214.17	IncAzi-MWD	Scientific Drilling
11/4/2012	1,584.00	24.44	213.33	IncAzi-MWD	Scientific Drilling
11/4/2012	1,647.00	25.23	214.30	IncAzi-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 29-7 UNIT #102B

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
11/4/2012	1,711.00	25.20	213.13	IncAzi-MWD	Scientific Drilling
11/4/2012	1,773.00	25.44	213.61	IncAzi-MWD	Scientific Drilling
11/4/2012	1,837.00	25.45	212.82	IncAzi-MWD	Scientific Drilling
11/4/2012	1,900.00	26.13	213.12	IncAzi-MWD	Scientific Drilling
11/4/2012	1,962.00	26.28	212.58	IncAzi-MWD	Scientific Drilling
11/4/2012	2,026.00	26.28	212.28	IncAzi-MWD	Scientific Drilling
11/4/2012	2,089.00	25.71	212.58	IncAzi-MWD	Scientific Drilling
11/4/2012	2,152.00	26.32	211.75	IncAzi-MWD	Scientific Drilling
11/4/2012	2,215.00	27.19	212.14	IncAzi-MWD	Scientific Drilling
11/4/2012	2,279.00	27.70	211.78	IncAzi-MWD	Scientific Drilling
11/4/2012	2,342.00	27.98	211.53	IncAzi-MWD	Scientific Drilling
11/4/2012	2,405.00	27.95	211.65	IncAzi-MWD	Scientific Drilling
11/4/2012	2,468.00	27.82	211.57	IncAzi-MWD	Scientific Drilling
11/4/2012	2,531.00	28.30	210.06	IncAzi-MWD	Scientific Drilling
11/4/2012	2,594.00	28.09	210.58	IncAzi-MWD	Scientific Drilling
11/4/2012	2,656.00	27.08	210.19	IncAzi-MWD	Scientific Drilling
11/5/2012	2,720.00	26.32	209.51	IncAzi-MWD	Scientific Drilling
11/5/2012	2,782.00	25.92	208.14	IncAzi-MWD	Scientific Drilling
11/5/2012	2,845.00	24.91	207.20	IncAzi-MWD	Scientific Drilling
11/5/2012	2,909.00	24.26	206.49	IncAzi-MWD	Scientific Drilling
11/6/2012	2,909.00	24.26	206.49	IncAzi-MWD	Scientific Drilling
11/5/2012	2,972.00	23.45	203.89	IncAzi-MWD	Scientific Drilling
11/6/2012	2,972.00	23.45	203.89	IncAzi-MWD	Scientific Drilling
11/5/2012	3,035.00	22.46	204.73	IncAzi-MWD	Scientific Drilling
11/6/2012	3,035.00	22.46	204.73	IncAzi-MWD	Scientific Drilling
11/6/2012	3,098.00	22.07	203.54	IncAzi-MWD	Scientific Drilling
11/5/2012	3,098.00	22.07	203.54	IncAzi-MWD	Scientific Drilling
11/6/2012	3,161.00	20.55	202.18	IncAzi-MWD	Scientific Drilling
11/5/2012	3,161.00	20.55	202.18	IncAzi-MWD	Scientific Drilling
11/6/2012	3,224.00	19.54	200.84	IncAzi-MWD	Scientific Drilling
11/6/2012	3,288.00	20.24	202.69	IncAzi-MWD	Scientific Drilling
11/6/2012	3,351.00	20.71	204.55	IncAzi-MWD	Scientific Drilling
11/6/2012	3,414.00	20.83	208.25	IncAzi-MWD	Scientific Drilling
11/6/2012	3,477.00	20.25	210.66	IncAzi-MWD	Scientific Drilling
11/6/2012	3,540.00	19.05	212.23	IncAzi-MWD	Scientific Drilling
11/6/2012	3,603.00	17.30	217.37	IncAzi-MWD	Scientific Drilling
11/6/2012	3,667.00	15.38	215.49	IncAzi-MWD	Scientific Drilling
11/6/2012	3,730.00	14.64	213.61	IncAzi-MWD	Scientific Drilling
11/7/2012	3,793.00	14.74	211.65	IncAzi-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 _____

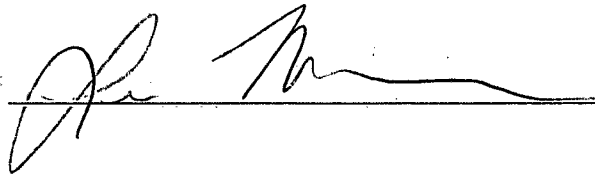
Notary Public in and for San Juan County, New Mexico

My Commission expires _____

COP Deviation Report
SAN JUAN 29-7 UNIT #102B

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
11/7/2012	3,857.00	15.07	208.83	IncAzi-MWD	Scientific Drilling
11/7/2012	3,920.00	14.22	209.44	IncAzi-MWD	Scientific Drilling
11/7/2012	3,951.00	13.78	212.03	IncAzi-MWD	Scientific Drilling
11/7/2012	3,982.00	12.76	214.89	IncAzi-MWD	Scientific Drilling
11/7/2012	4,045.00	10.80	216.24	IncAzi-MWD	Scientific Drilling
11/7/2012	4,109.00	9.79	214.77	IncAzi-MWD	Scientific Drilling
11/7/2012	4,172.00	8.74	215.40	IncAzi-MWD	Scientific Drilling
11/7/2012	4,235.00	7.01	219.99	IncAzi-MWD	Scientific Drilling
11/7/2012	4,298.00	6.21	221.02	IncAzi-MWD	Scientific Drilling
11/7/2012	4,330.00	5.72	225.42	IncAzi-MWD	Scientific Drilling
11/7/2012	4,361.00	5.25	228.74	IncAzi-MWD	Scientific Drilling
11/7/2012	4,413.00	4.13	230.24	IncAzi-MWD	Scientific Drilling
11/7/2012	4,468.00	3.36	230.24	Projection	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.



Subscribed and sworn to me this 12/14/12



Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/16

RCVD DEC 17 '12

OIL CONS. DIV.

DIST. 3

ConocoPhillips

ConocoPhillips

SJB (NM Central)

SEC 15-T29N-R07W

San Juan 29-7 Unit 102B

30.039-31126

OH

Design: OH

Standard Survey Report

14 December, 2012

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

Notarized this date 14th of December, 2012.

Leandra Stanley

Notary Signature
County of Mesa
State of Colorado



My Commission Expires 12/5/2016



Scientific Drilling

ConocoPhillips

Project: SJB (NM Central)
 Site: SEC 15-T29N-R7W
 Well: San Juan 29-7 Unit 102B
 Wellbore: OH
 Design: OH



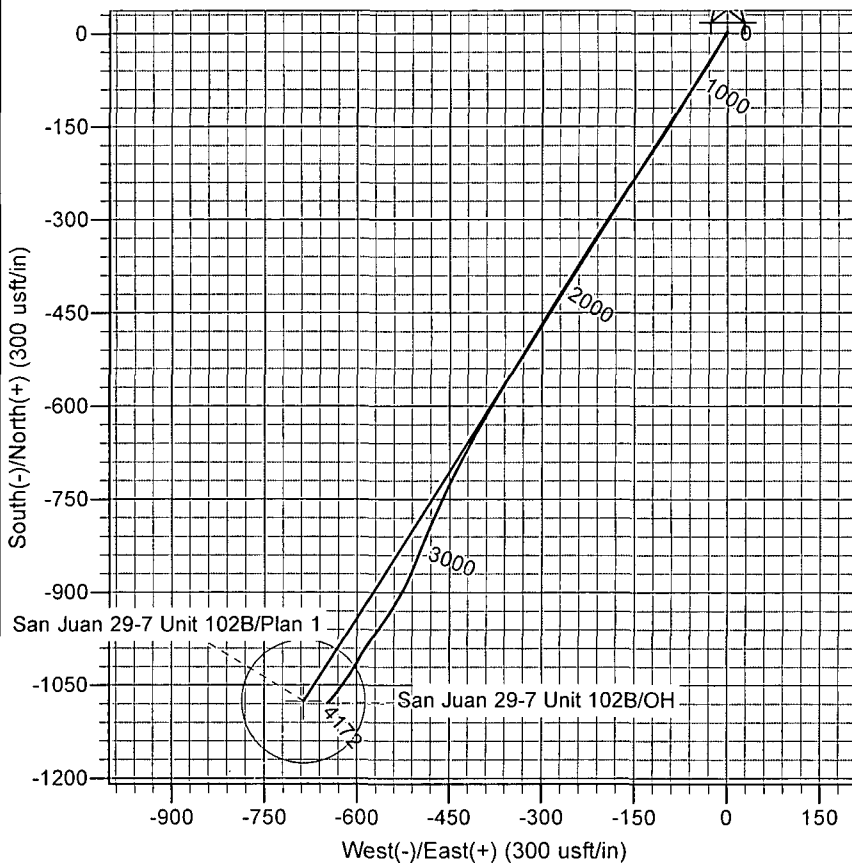
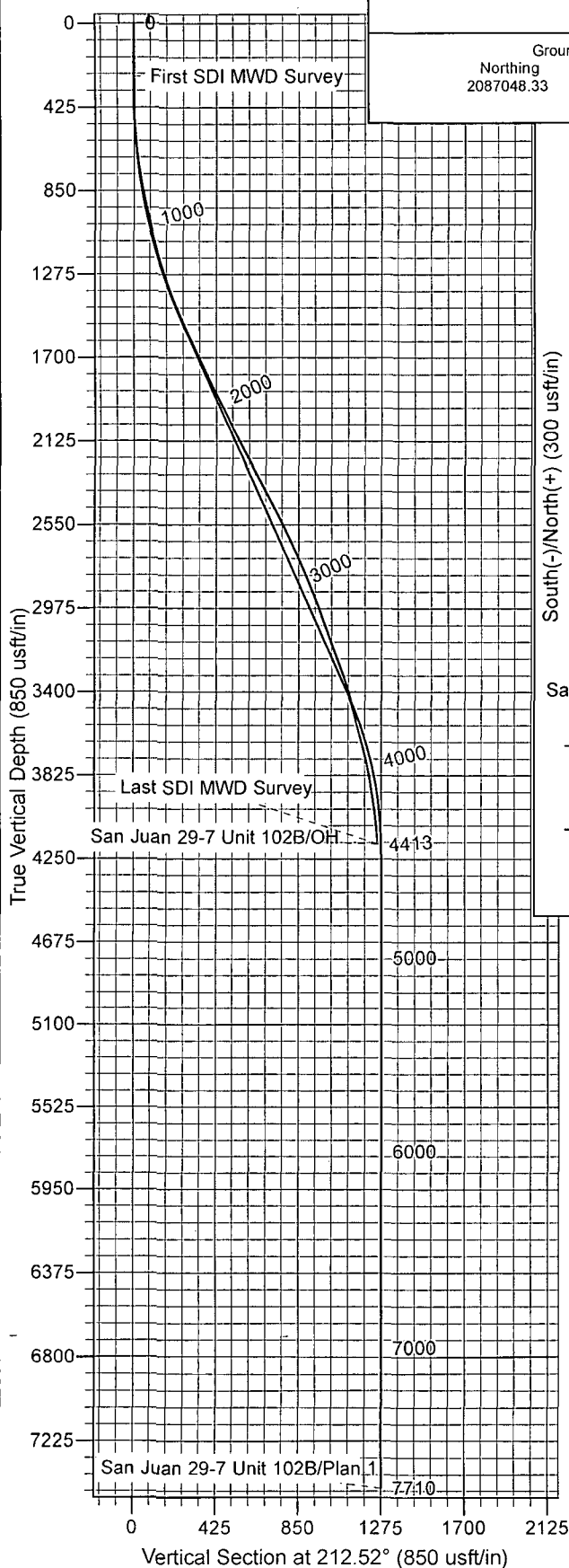
Scientific Drilling

WELL DETAILS: San Juan 29-7 Unit 102B

Ground Level: GL 6211' & KB 15' @ 6226.0usft (AWS 711)
 Northing 2087048.33 Easting 116090.73 Latitude 36° 43' 42.882 N Longitude 107° 33' 36.132 W



Azimuths to True North
 Magnetic North: 9.68°
 Magnetic Field
 Strength: 50565.8snT
 Dip Angle: 63.44°
 Date: 11/01/2012
 Model: BGGM2012



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 29-7 Unit 102B, True North
 Vertical (TVD) Reference: GL 6211' & KB 15' @ 6226.0usft (AWS 711)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6211' & KB 15' @ 6226.0usft (AWS 711)
 Calculation Method: Minimum Curvature
 Local North: True

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

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 102B
Project:	SJB (NM Central)	TVD Reference:	GL 6211' & KB 15' @ 6226.0usft (AWS 711)
Site:	SEC 15-T29N-R7W	MD Reference:	GL 6211' & KB 15' @ 6226.0usft (AWS 711)
Well:	San Juan 29-7 Unit 102B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington 5000 DB

Project	SJB (NM Central), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico Central 3002		Using geodetic scale factor

Site	SEC 15-T29N-R7W		
Site Position:		Northing:	2,084,542.42 usft
From:	Lat/Long	Easting:	118,261.42 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	36° 43' 18.400 N
		Longitude:	107° 33' 9.054 W
		Grid Convergence:	-0.78 °

Well	San Juan 29-7 Unit 102B, 1610' FNL 1960' FWL		
Well Position	+N/-S	0.0 usft	Northing: 2,087,048.32 usft
	+E/-W	0.0 usft	Easting: 116,090.73 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	36° 43' 42.882 N
		Longitude:	107° 33' 36.132 W
		Ground Level:	6,211.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	11/01/12	9.68	63.44	50,566

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	212.52

Survey Program	Date	12/14/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
269.0	4,413.0	Survey #1 - MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
269.0	1.03	357.86	269.0	2.4	-0.1	-2.0	0.38	0.38	0.00
First SDI MWD Survey									
299.0	0.61	9.85	299.0	2.8	-0.1	-2.4	1.50	-1.40	39.97
330.0	0.43	298.53	330.0	3.1	-0.1	-2.5	2.01	-0.58	-230.06
361.0	0.74	235.97	361.0	3.0	-0.4	-2.3	2.14	1.00	-201.81
392.0	1.31	217.36	392.0	2.6	-0.8	-1.8	2.11	1.84	-60.03
423.0	2.01	219.63	423.0	1.9	-1.4	-0.9	2.27	2.26	7.32
454.0	2.52	213.67	453.9	0.9	-2.1	0.3	1.81	1.65	-19.23
485.0	3.14	210.73	484.9	-0.4	-2.9	1.9	2.05	2.00	-9.48
516.0	3.82	207.63	515.8	-2.0	-3.8	3.7	2.28	2.19	-10.00

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 102B
Project:	SJB (NM Central)	TVD Reference:	GL 6211' & KB 15' @ 6226.0usft (AWS 711)
Site:	SEC 15-T29N-R7W	MD Reference:	GL 6211' & KB 15' @ 6226.0usft (AWS 711)
Well:	San Juan 29-7 Unit 102B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington 5000 DB

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
547.0	4.83	205.05	546.8	-4.1	-4.8	6.1	3.32	3.26	-8.32
578.0	5.30	203.16	577.6	-6.6	-6.0	8.8	1.61	1.52	-6.10
609.0	5.91	207.92	608.5	-9.3	-7.3	11.8	2.47	1.97	15.35
640.0	6.91	208.50	639.3	-12.4	-8.9	15.2	3.23	3.23	1.87
671.0	7.64	208.36	670.0	-15.8	-10.8	19.1	2.36	2.35	-0.45
702.0	8.21	208.94	700.7	-19.6	-12.8	23.4	1.86	1.84	1.87
733.0	8.78	209.71	731.4	-23.6	-15.1	28.0	1.87	1.84	2.48
764.0	9.39	213.52	762.0	-27.7	-17.6	32.9	2.76	1.97	12.29
795.0	9.87	211.08	792.6	-32.1	-20.4	38.1	2.03	1.55	-7.87
826.0	10.62	211.34	823.1	-36.8	-23.3	43.6	2.42	2.42	0.84
890.0	11.79	211.81	885.9	-47.4	-29.8	56.0	1.83	1.83	0.73
953.0	13.49	212.80	947.3	-59.1	-37.1	69.8	2.72	2.70	1.57
1,016.0	13.40	213.31	1,008.6	-71.4	-45.1	84.4	0.24	-0.14	0.81
1,080.0	13.39	214.31	1,070.9	-83.7	-53.4	99.3	0.36	-0.02	1.56
1,143.0	15.63	212.41	1,131.9	-96.9	-62.0	115.0	3.63	3.56	-3.02
1,206.0	17.09	210.50	1,192.3	-112.0	-71.3	132.8	2.47	2.32	-3.03
1,269.0	18.00	209.99	1,252.4	-128.4	-80.9	151.8	1.46	1.44	-0.81
1,332.0	19.14	212.32	1,312.1	-145.6	-91.2	171.8	2.16	1.81	3.70
1,395.0	20.40	212.61	1,371.4	-163.6	-102.7	193.1	2.01	2.00	0.46
1,458.0	22.28	213.80	1,430.1	-182.7	-115.2	216.0	3.06	2.98	1.89
1,521.0	23.10	214.72	1,488.2	-202.8	-128.9	240.3	1.42	1.30	1.46
1,584.0	24.44	213.33	1,545.8	-223.9	-143.1	265.7	2.31	2.13	-2.21
1,647.0	25.23	214.30	1,603.0	-245.8	-157.9	292.2	1.41	1.25	1.54
1,711.0	25.20	213.13	1,660.9	-268.5	-173.0	319.4	0.78	-0.05	-1.83
1,773.0	25.44	213.28	1,716.9	-290.7	-187.5	345.9	0.40	0.39	0.24
1,837.0	25.45	212.82	1,774.7	-313.8	-202.5	373.4	0.31	0.02	-0.72
1,900.0	26.13	213.12	1,831.5	-336.8	-217.4	400.8	1.10	1.08	0.48
1,962.0	26.28	212.58	1,887.1	-359.8	-232.3	428.2	0.45	0.24	-0.87
2,026.0	26.28	212.28	1,944.5	-383.7	-247.5	456.6	0.21	0.00	-0.47
2,089.0	25.71	212.58	2,001.1	-407.0	-262.3	484.2	0.93	-0.90	0.48
2,152.0	26.32	211.75	2,057.7	-430.4	-277.0	511.8	1.13	0.97	-1.32
2,215.0	27.19	212.14	2,114.0	-454.4	-292.0	540.2	1.41	1.38	0.62
2,279.0	27.70	211.78	2,170.8	-479.5	-307.6	569.7	0.84	0.80	-0.56
2,342.0	27.98	211.53	2,226.5	-504.5	-323.0	599.1	0.48	0.44	-0.40
2,405.0	27.95	211.65	2,282.1	-529.7	-338.5	628.6	0.10	-0.05	0.19
2,468.0	27.82	211.57	2,337.8	-554.8	-354.0	658.1	0.21	-0.21	-0.13
2,531.0	28.30	210.06	2,393.4	-580.2	-369.1	687.7	1.36	0.76	-2.40
2,594.0	28.09	210.58	2,448.9	-605.9	-384.2	717.4	0.51	-0.33	0.83
2,656.0	27.08	210.19	2,503.9	-630.7	-398.7	746.1	1.65	-1.63	-0.63
2,720.0	26.32	209.51	2,561.1	-655.6	-413.0	774.8	1.28	-1.19	-1.06
2,782.0	25.92	208.14	2,616.7	-679.5	-426.2	802.1	1.17	-0.65	-2.21
2,845.0	24.91	207.20	2,673.6	-703.5	-438.7	829.0	1.73	-1.60	-1.49
2,909.0	24.26	206.49	2,731.8	-727.2	-450.8	855.5	1.12	-1.02	-1.11

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 102B
Project:	SJB (NM Central)	TVD Reference:	GL 6211' & KB 15' @ 6226.0usft (AWS 711)
Site:	SEC 15-T29N-R7W	MD Reference:	GL 6211' & KB 15' @ 6226.0usft (AWS 711)
Well:	San Juan 29-7 Unit 102B	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington 5000 DB

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,972.0	23.45	203.89	2,789.4	-750.3	-461.6	880.8	2.11	-1.29	-4.13
3,035.0	22.46	204.73	2,847.5	-772.7	-471.7	905.1	1.66	-1.57	1.33
3,098.0	22.07	203.54	2,905.8	-794.4	-481.5	928.7	0.95	-0.62	-1.89
3,161.0	20.55	202.18	2,964.4	-815.5	-490.4	951.3	2.54	-2.41	-2.16
3,224.0	19.54	200.84	3,023.6	-835.6	-498.3	972.5	1.76	-1.60	-2.13
3,288.0	20.24	202.69	3,083.8	-855.8	-506.4	993.9	1.47	1.09	2.89
3,351.0	20.71	204.55	3,142.8	-876.0	-515.2	1,015.6	1.27	0.75	2.95
3,414.0	20.83	208.25	3,201.7	-896.0	-525.1	1,037.8	2.09	0.19	5.87
3,477.0	20.25	210.66	3,260.7	-915.3	-536.0	1,059.9	1.63	-0.92	3.83
3,540.0	19.05	212.23	3,320.1	-933.3	-547.0	1,081.1	2.08	-1.90	2.49
3,603.0	17.30	217.37	3,379.9	-949.5	-558.2	1,100.7	3.76	-2.78	8.16
3,667.0	15.38	215.49	3,441.3	-964.0	-568.9	1,118.7	3.11	-3.00	-2.94
3,730.0	14.64	213.61	3,502.2	-977.4	-578.2	1,135.0	1.41	-1.17	-2.98
3,793.0	14.74	211.65	3,563.1	-990.9	-586.8	1,150.9	0.80	0.16	-3.11
3,857.0	15.07	208.83	3,625.0	-1,005.1	-595.1	1,167.4	1.24	0.52	-4.41
3,920.0	14.22	209.44	3,685.9	-1,019.0	-602.8	1,183.3	1.37	-1.35	0.97
3,951.0	13.78	211.86	3,716.0	-1,025.4	-606.6	1,190.8	2.36	-1.42	7.81
3,982.0	12.76	214.89	3,746.2	-1,031.4	-610.6	1,197.9	3.98	-3.29	9.77
4,045.0	10.80	216.24	3,807.8	-1,041.9	-618.0	1,210.7	3.14	-3.11	2.14
4,109.0	9.79	214.77	3,870.8	-1,051.2	-624.7	1,222.2	1.63	-1.58	-2.30
4,172.0	8.74	215.42	3,933.0	-1,059.5	-630.5	1,232.3	1.67	-1.67	1.03
4,235.0	7.01	219.99	3,995.4	-1,066.3	-635.7	1,240.9	2.92	-2.75	7.25
4,298.0	6.21	221.02	4,058.0	-1,071.8	-640.5	1,248.1	1.28	-1.27	1.63
4,330.0	5.72	225.42	4,089.8	-1,074.2	-642.7	1,251.3	2.09	-1.53	13.75
4,361.0	5.25	228.74	4,120.7	-1,076.3	-644.9	1,254.2	1.83	-1.52	10.71
4,413.0	4.13	230.24	4,172.5	-1,079.0	-648.1	1,258.3	2.17	-2.15	2.88

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)		Comment
269.0	269.0	2.4	-0.1		First SDI MWD Survey
4,413.0	4,172.5	-1,079.0	-648.1		Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____