

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 30-039-31095	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 102C
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6246'

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	16	29-N	7-W		2100	NORTH	625	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
E	15	29-N	7-W		1424'	NORTH	668'	WEST	RIO ARRIBA

¹² Dedicated Acres DK 320.00 ACRES W/2 MV 320.00 ACRES W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD OCT 4 '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

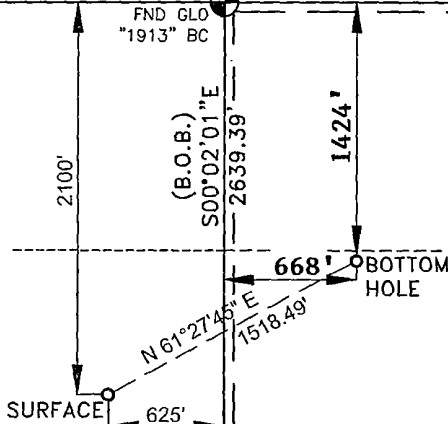
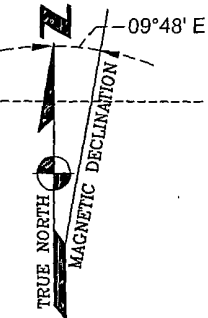
W.C. PNT.

¹⁶ S89°59'36"W 2629.05' S89°53'42"E 2645.13'

W.C.
FND GLO
"1914" BC

FND GLO
"1913" BC

FND GLO
"1910" BC



SURFACE
LATITUDE: 36°43.6343' N
LONGITUDE: 107°34.1314' W
NAD27

LATITUDE: 36.727244' N
LONGITUDE: 107.569464' W
NAD83

BOTTOM HOLE
LATITUDE: 36°43.7537' N
LONGITUDE: 107°33.8583' W
NAD27

LATITUDE: 36.729235' N
LONGITUDE: 107.564913' W
NAD83

BASIS OF BEARING:

BETWEEN FOUND MONUMENTS AT THE NORTHEAST CORNER AND THE EAST
QUARTER CORNER OF SECTION 16, TOWNSHIP 29 NORTH, RANGE 7 WEST,
N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO.

LINE BEARS: S 00°02'01" E A DISTANCE OF 2639.39 FEET AS MEASURED BY
G.P.S. LOCAL GRID NAD83.

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.

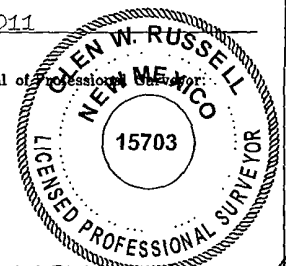
Signature _____ Date _____
Marie E. Jaramillo 10/4/12
Printed Name
Staff Regulatory Tech.
E-mail Address _____

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 Professional Surveyor



GLEN W. RUSSELL
Certificate Number

15703

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

RCVD OCT 4 11:17
OIL CONS. DIV
DIST 3

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #102C	API / UWI 3003931095	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 016-029N-007W-H	N/S Dist (ft) 2,100.00	N/S Ref FNL	E/W Dist (ft) 625 00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
8/8/2012	130.00	0.50		Inc-WL	Mo Te Drilling Inc	
8/8/2012	248.00	0.75		Inc-WL	Mo Te Drilling Inc	
8/8/2012	353.00	0.00		Inc-WL	Mo Te Drilling Inc	
8/17/2012	388.00	0.17	130.21	IncAzi-MWD	Scientific Drilling	
8/17/2012	418.00	0.65	71.98	IncAzi-MWD	Scientific Drilling	
8/17/2012	449.00	1.11	76.68	IncAzi-MWD	Scientific Drilling	
8/17/2012	479.00	1.32	71.27	IncAzi-MWD	Scientific Drilling	
8/17/2012	510.00	1.93	62.23	IncAzi-MWD	Scientific Drilling	
8/17/2012	540.00	3.01	60.60	IncAzi-MWD	Scientific Drilling	
8/17/2012	571.00	3.92	58.45	IncAzi-MWD	Scientific Drilling	
8/17/2012	632.00	5.25	62.93	IncAzi-MWD	Scientific Drilling	
8/17/2012	663.00	5.49	61.54	IncAzi-MWD	Scientific Drilling	
8/17/2012	693.00	7.38	62.69	IncAzi-MWD	Scientific Drilling	
8/17/2012	723.00	8.00	64.31	IncAzi-MWD	Scientific Drilling	
8/17/2012	754.00	9.26	61.96	IncAzi-MWD	Scientific Drilling	
8/17/2012	785.00	10.28	62.25	IncAzi-MWD	Scientific Drilling	
8/17/2012	815.00	10.97	63.48	IncAzi-MWD	Scientific Drilling	
8/17/2012	847.00	12.22	63.37	IncAzi-MWD	Scientific Drilling	
8/17/2012	880.00	13.19	64.17	IncAzi-MWD	Scientific Drilling	
8/17/2012	912.00	13.95	63.75	IncAzi-MWD	Scientific Drilling	
8/17/2012	944.00	14.90	64.23	IncAzi-MWD	Scientific Drilling	
8/17/2012	977.00	16.06	62.86	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,009.00	16.81	62.48	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,041.00	18.13	60.81	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,073.00	19.31	61.10	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,105.00	20.07	62.40	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,138.00	21.04	63.14	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,204.00	22.50	61.07	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,268.00	23.82	61.30	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,333.00	25.80	61.72	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,397.00	27.75	62.87	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,462.00	26.60	61.74	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,526.00	27.09	61.58	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,591.00	28.09	61.69	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,656.00	27.45	60.45	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 #102C

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
8/17/2012	1,721.00	27.88	60.34	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,785.00	27.71	60.31	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,849.00	26.99	59.51	IncAzi-MWD	Scientific Drilling	
8/17/2012	1,914.00	27.05	57.99	IncAzi-MWD	Scientific Drilling	
8/17/2012	2,043.00	27.02	59.69	IncAzi-MWD	Scientific Drilling	
8/17/2012	2,107.00	26.33	60.40	IncAzi-MWD	Scientific Drilling	
8/17/2012	2,171.00	25.80	59.42	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,236.00	26.43	59.38	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,300.00	27.27	59.01	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,364.00	28.08	59.46	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,429.00	27.94	59.45	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,493.00	27.45	58.17	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,558.00	26.89	57.45	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,622.00	26.88	56.47	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,686.00	26.50	55.91	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,751.00	26.29	57.05	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,815.00	25.16	60.69	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,880.00	24.89	62.38	IncAzi-MWD	Scientific Drilling	
8/18/2012	2,944.00	25.22	62.81	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,009.00	25.02	63.23	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,073.00	24.01	62.39	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,138.00	22.80	61.86	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,202.00	22.49	64.40	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,267.00	21.21	63.04	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,331.00	20.68	64.03	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,396.00	21.89	64.37	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,460.00	22.61	66.54	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,525.00	22.18	65.55	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,590.00	21.32	64.41	IncAzi-MWD	Scientific Drilling	
8/18/2012	3,654.00	20.06	64.32	IncAzi-MWD	Scientific Drilling	
8/19/2012	3,718.00	19.46	63.47	IncAzi-MWD	Scientific Drilling	
8/19/2012	3,783.00	17.96	64.70	IncAzi-MWD	Scientific Drilling	
8/19/2012	3,848.00	15.99	64.44	IncAzi-MWD	Scientific Drilling	
8/19/2012	3,912.00	14.48	65.60	IncAzi-MWD	Scientific Drilling	
8/19/2012	3,976.00	13.02	65.84	IncAzi-MWD	Scientific Drilling	
8/19/2012	4,041.00	12.19	66.56	IncAzi-MWD	Scientific Drilling	
8/19/2012	4,106.00	10.52	68.87	IncAzi-MWD	Scientific Drilling	
8/19/2012	4,170.00	9.16	69.89	IncAzi-MWD	Scientific Drilling	
8/19/2012	4,235.00	8.22	67.98	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 _____

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
8/19/2012	4,299.00	8.14	67.74	IncAzi-MWD	Scientific Drilling
8/19/2012	4,364.00	8.23	67.01	IncAzi-MWD	Scientific Drilling
8/19/2012	4,428.00	7.69	65.89	IncAzi-MWD	Scientific Drilling
8/19/2012	4,492.00	7.97	65.01	IncAzi-MWD	Scientific Drilling
8/19/2012	4,557.00	8.29	67.09	IncAzi-MWD	Scientific Drilling
8/19/2012	4,621.00	8.53	69.64	IncAzi-MWD	Scientific Drilling
8/19/2012	4,686.00	8.38	72.20	IncAzi-MWD	Scientific Drilling
8/19/2012	4,750.00	8.39	72.63	IncAzi-MWD	Scientific Drilling
8/19/2012	4,815.00	7.85	75.62	IncAzi-MWD	Scientific Drilling
8/19/2012	4,879.00	7.49	75.94	IncAzi-MWD	Scientific Drilling
8/19/2012	4,944.00	7.16	78.80	IncAzi-MWD	Scientific Drilling
8/19/2012	5,008.00	6.38	76.47	IncAzi-MWD	Scientific Drilling
8/19/2012	5,072.00	5.98	76.37	IncAzi-MWD	Scientific Drilling
8/19/2012	5,118.00	5.88	75.72	IncAzi-MWD	Scientific Drilling
8/20/2012	5,176.00	4.78	75.72	Projection	Scientific Drilling
8/29/2012	7,765.00	0.75		Inc-WL	Phoenix Services LLC

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.

Ben Tolman

Subscribed and sworn to me this 10/3/12

Maria K. Yaramillo

Notary Public in and for San Juan County, New Mexico

My Commission expires 7/29/14



RCVD OCT 4 '12

OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 16-T29N-R7W

San Juan 29-7 Unit 102C

OH

Design: OH

API# 3003931095

Standard Survey Report

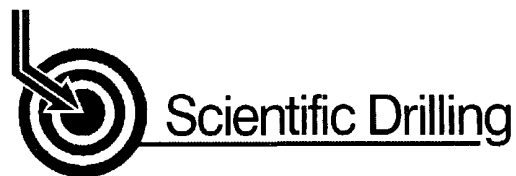
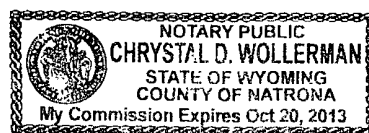
24 August, 2012

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

Notarized this date 24th of August, 2012.

Crystal D. Wollerman

Notary Signature
County of Natrona
State of Wyoming



ConocoPhillips

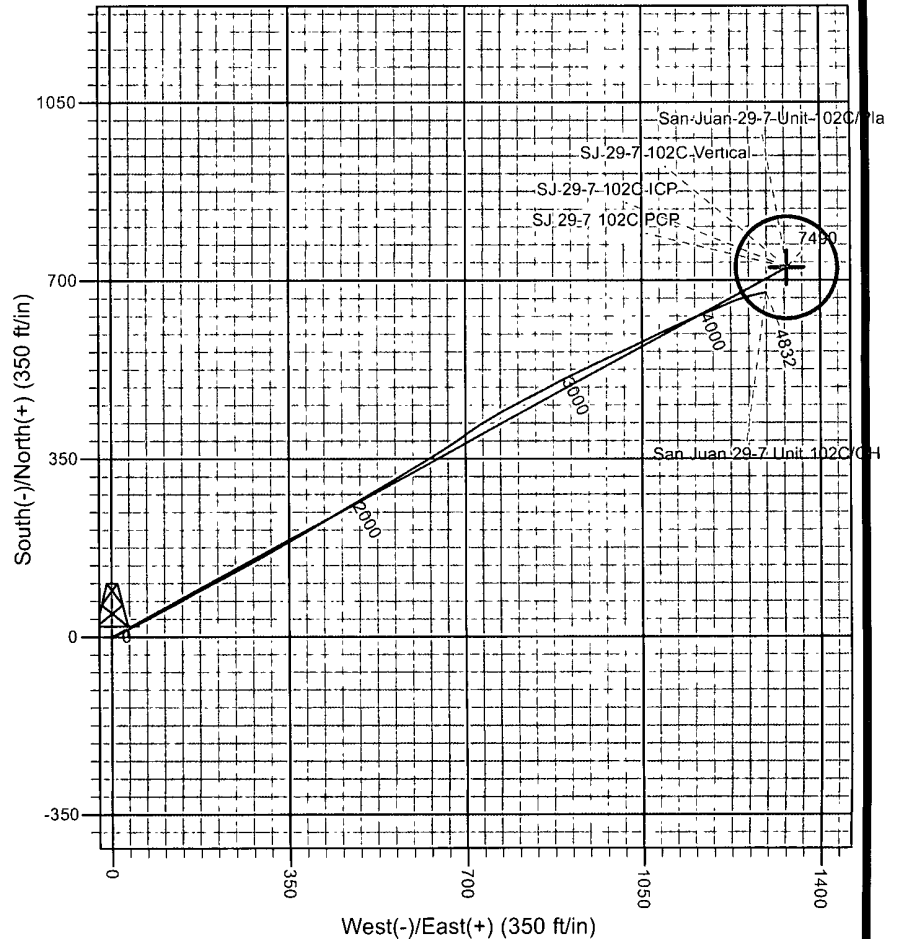
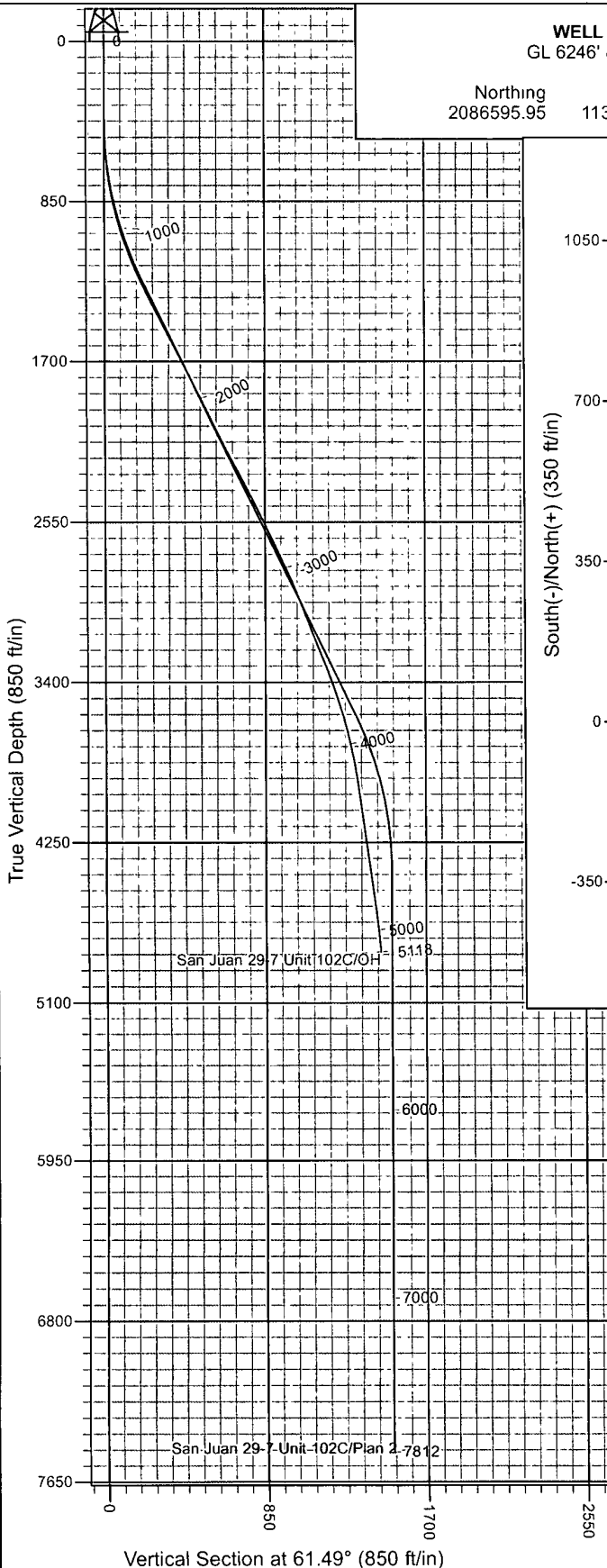
Project: SJB (NM Central)
 Site: SEC 16-T29N-R7W
 Well: San Juan 29-7 Unit 102C
 Wellbore: OH
 Design: OH



WELL DETAILS: San Juan 29-7 Unit 102C
 GL 6246' & KB 15' @ 6261.0ft (AWS 920)
 Ground Level: 6246.0

Northing	Easting	Latitude	Longitude
2086595.95	113499.16	36° 43' 38.058 N	107° 34' 7.884 W

Magnetic Field
 Strength 50592.6snT
 Dip Angle 63.44°
 Date 2012/08/08
 Model BGGM2012



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 29-7 Unit 102C, True North
 Vertical (TVD) Reference: GL 6246' & KB 15' @ 6261.0ft (AWS 920)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6246' & KB 15' @ 6261.0ft (AWS 920)
 Calculation Method: Minimum Curvature

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

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 102C
Project:	SJB (NM Central)	TVD Reference:	GL 6246' & KB 15' @ 6261.0ft (AWS 920)
Site:	SEC 16-T29N-R7W	MD Reference:	GL 6246' & KB 15' @ 6261.0ft (AWS 920)
Well:	San Juan 29-7 Unit 102C	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User 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 16-T29N-R7W		
Site Position:		Northing:	2,086,595.95 ft
From:	Lat/Long	Easting:	113,499.16 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 43' 38.058 N
		Longitude:	107° 34' 7.884 W
		Grid Convergence:	-0.79 °

Well	San Juan 29-7 Unit 102C, 2100' FNL 625' FEL		
Well Position	+N/-S	0.0 ft	Northing:
	+E/-W	0.0 ft	Easting:
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 43' 38.058 N
		Longitude:	107° 34' 7.884 W
		Ground Level:	6,246.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2012	2012/08/08	9.71	63.44	50,593

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
				0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	61.49

Survey Program	Date 2012/08/24		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
388.0	5,118.0	Survey #1 (OH)	MWD SDI
			Description
			MWD - Standard ver 1.0.1

Survey										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate	
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
388.0	0.17	130.21	388.0	-0.4	0.4	0.2	0.04	0.04	0.00	
First SDI MWD Survey										
418.0	0.65	71.98	418.0	-0.3	0.6	0.4	1.93	1.60	-194.10	
449.0	1.11	76.68	449.0	-0.2	1.1	0.9	1.50	1.48	15.16	
479.0	1.32	71.27	479.0	0.0	1.7	1.5	0.80	0.70	-18.03	
510.0	1.93	62.23	510.0	0.3	2.5	2.3	2.13	1.97	-29.16	
540.0	3.01	60.60	539.9	0.9	3.6	3.6	3.61	3.60	-5.43	
571.0	3.92	58.45	570.9	1.9	5.3	5.5	2.96	2.94	-6.94	
602.0	4.74	61.06	601.8	3.1	7.3	7.9	2.72	2.65	8.42	
632.0	5.25	62.91	631.7	4.3	9.6	10.5	1.78	1.70	6.17	
663.0	6.49	61.54	662.5	5.8	12.4	13.6	4.03	4.00	-4.42	
693.0	7.38	62.69	692.3	7.5	15.6	17.3	3.00	2.97	3.83	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 102C
Project:	SJB (NM Central)	TVD Reference:	GL 6246' & KB 15' @ 6261.0ft (AWS 920)
Site:	SEC 16-T29N-R7W	MD Reference:	GL 6246' & KB 15' @ 6261.0ft (AWS 920)
Well:	San Juan 29-7 Unit 102C	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
723.0	8.00	64.31	722.0	9.2	19.2	21.3	2.19	2.07	5.40
754.0	9.26	61.96	752.7	11.4	23.3	25.9	4.22	4.06	-7.58
785.0	10.28	62.25	783.2	13.8	28.0	31.2	3.29	3.29	0.94
815.0	10.97	63.48	812.7	16.3	32.9	36.7	2.42	2.30	4.10
847.0	12.22	63.37	844.1	19.2	38.6	43.1	3.91	3.91	-0.34
880.0	13.19	64.17	876.3	22.4	45.2	50.4	2.99	2.94	2.42
912.0	13.95	63.75	907.4	25.7	51.9	57.9	2.39	2.38	-1.31
944.0	14.90	64.23	938.4	29.2	59.1	65.9	2.99	2.97	1.50
977.0	16.06	62.86	970.2	33.1	67.0	74.7	3.69	3.52	-4.15
1,009.0	16.81	62.48	1,000.8	37.3	75.0	83.7	2.37	2.34	-1.19
1,041.0	18.13	60.81	1,031.4	41.9	83.4	93.3	4.41	4.13	-5.22
1,073.0	19.31	61.10	1,061.7	46.8	92.4	103.6	3.70	3.69	0.91
1,105.0	20.07	62.40	1,091.8	51.9	101.9	114.4	2.74	2.38	4.06
1,138.0	21.04	63.14	1,122.7	57.2	112.2	125.9	3.04	2.94	2.24
1,204.0	22.50	61.07	1,184.0	68.7	133.9	150.4	2.50	2.21	-3.14
1,268.0	23.82	61.30	1,242.8	80.8	155.9	175.6	2.07	2.06	0.36
1,333.0	25.80	61.72	1,301.8	93.8	179.9	202.9	3.06	3.05	0.65
1,397.0	27.75	62.87	1,359.0	107.2	205.4	231.7	3.15	3.05	1.80
1,462.0	26.60	61.74	1,416.8	121.0	231.7	261.4	1.94	-1.77	-1.74
1,526.0	27.09	61.58	1,473.9	134.8	257.1	290.3	0.77	0.77	-0.25
1,591.0	28.09	61.69	1,531.5	149.1	283.6	320.4	1.54	1.54	0.17
1,656.0	27.45	60.45	1,589.0	163.7	310.1	350.7	1.33	-0.98	-1.91
1,721.0	27.88	60.34	1,646.6	178.6	336.4	380.8	0.67	0.66	-0.17
1,785.0	27.71	60.31	1,703.2	193.4	362.3	410.7	0.27	-0.27	-0.05
1,849.0	26.99	59.51	1,760.1	208.1	387.7	440.1	1.26	-1.13	-1.25
1,914.0	27.03	59.33	1,818.0	223.1	413.1	469.6	0.14	0.06	-0.28
1,978.0	27.05	57.99	1,875.0	238.3	438.0	498.6	0.95	0.03	-2.09
2,043.0	27.02	59.69	1,932.9	253.6	463.3	528.1	1.19	-0.05	2.62
2,107.0	26.33	60.40	1,990.1	267.9	488.2	556.8	1.19	-1.08	1.11
2,171.0	25.80	59.42	2,047.5	282.0	512.5	585.0	1.07	-0.83	-1.53
2,236.0	26.43	59.38	2,105.9	296.6	537.1	613.5	0.97	0.97	-0.06
2,300.0	27.27	59.01	2,163.0	311.4	562.0	642.4	1.34	1.31	-0.58
2,364.0	28.08	59.46	2,219.7	326.6	587.5	672.1	1.31	1.27	0.70
2,429.0	27.94	59.45	2,277.1	342.1	613.8	702.6	0.22	-0.22	-0.02
2,493.0	27.45	58.17	2,333.7	357.5	639.2	732.3	1.20	-0.77	-2.00
2,558.0	26.89	57.45	2,391.6	373.3	664.4	762.0	1.00	-0.86	-1.11
2,622.0	26.88	56.47	2,448.7	389.1	688.6	790.8	0.69	-0.02	-1.53
2,686.0	26.50	55.91	2,505.8	405.1	712.5	819.4	0.71	-0.59	-0.88
2,751.0	26.29	57.05	2,564.1	421.0	736.6	848.2	0.84	-0.32	1.75
2,815.0	25.16	60.69	2,621.7	435.4	760.3	876.0	3.03	-1.77	5.69
2,880.0	24.89	62.38	2,680.6	448.5	784.5	903.5	1.18	-0.42	2.60
2,944.0	25.22	62.81	2,738.6	461.0	808.6	930.6	0.59	0.52	0.67
3,009.0	25.02	63.23	2,797.4	473.5	833.2	958.1	0.41	-0.31	0.65
3,073.0	24.01	62.39	2,855.7	485.6	856.8	984.7	1.67	-1.58	-1.31
3,138.0	22.80	61.86	2,915.3	497.7	879.6	1,010.5	1.89	-1.86	-0.82
3,202.0	22.49	64.40	2,974.4	508.8	901.6	1,035.1	1.60	-0.48	3.97
3,267.0	21.21	63.04	3,034.7	519.5	923.3	1,059.3	2.12	-1.97	-2.09
3,331.0	20.68	64.03	3,094.5	529.7	943.8	1,082.2	1.00	-0.83	1.55
3,396.0	21.89	64.37	3,155.1	540.0	965.0	1,105.7	1.87	1.86	0.52
3,460.0	22.61	66.54	3,214.3	550.1	987.0	1,129.9	1.71	1.13	3.39
3,525.0	22.18	65.55	3,274.4	560.1	1,009.7	1,154.6	0.88	-0.66	-1.52
3,590.0	21.32	64.41	3,334.8	570.3	1,031.5	1,178.6	1.47	-1.32	-1.75
3,654.0	20.06	64.32	3,394.6	580.1	1,051.9	1,201.2	1.97	-1.97	-0.14
3,718.0	19.46	63.87	3,454.9	589.5	1,071.4	1,222.8	0.97	-0.94	-0.70

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 102C
Project:	SJB (NM Central)	TVD Reference:	GL 6246' & KB 15' @ 6261.0ft (AWS 920)
Site:	SEC 16-T29N-R7W	MD Reference:	GL 6246' & KB 15' @ 6261.0ft (AWS 920)
Well:	San Juan 29-7 Unit 102C	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,783.0	17.96	64.70	3,516.4	598.6	1,090.1	1,243.6	2.34	-2.31	1.28
3,848.0	15.99	64.44	3,578.6	606.7	1,107.3	1,262.6	3.03	-3.03	-0.40
3,912.0	14.48	65.60	3,640.3	613.8	1,122.5	1,279.4	2.41	-2.36	1.81
3,976.0	13.02	65.84	3,702.5	620.1	1,136.4	1,294.6	2.28	-2.28	0.38
4,041.0	12.19	66.56	3,765.9	625.8	1,149.4	1,308.7	1.30	-1.28	1.11
4,106.0	10.52	68.87	3,829.7	630.7	1,161.2	1,321.4	2.66	-2.57	3.55
4,170.0	9.16	69.89	3,892.7	634.6	1,171.4	1,332.2	2.14	-2.13	1.59
4,235.0	8.22	67.98	3,957.0	638.1	1,180.6	1,342.0	1.51	-1.45	-2.94
4,299.0	8.14	67.74	4,020.3	641.5	1,189.0	1,351.0	0.14	-0.13	-0.38
4,364.0	8.23	67.01	4,084.7	645.1	1,197.6	1,360.2	0.21	0.14	-1.12
4,428.0	7.69	65.89	4,148.0	648.6	1,205.7	1,369.1	0.88	-0.84	-1.75
4,492.0	7.97	65.01	4,211.4	652.2	1,213.6	1,377.8	0.48	0.44	-1.38
4,557.0	8.29	67.09	4,275.8	656.0	1,222.0	1,386.9	0.67	0.49	3.20
4,621.0	8.53	69.64	4,339.1	659.4	1,230.7	1,396.2	0.69	0.38	3.98
4,686.0	8.38	72.20	4,403.4	662.5	1,239.7	1,405.6	0.62	-0.23	3.94
4,750.0	8.39	72.63	4,466.7	665.3	1,248.6	1,414.8	0.10	0.02	0.67
4,815.0	7.85	75.62	4,531.1	667.9	1,257.5	1,423.8	1.05	-0.83	4.60
4,879.0	7.49	75.94	4,594.5	670.0	1,265.7	1,432.0	0.57	-0.56	0.50
4,944.0	7.16	78.80	4,659.0	671.8	1,273.8	1,440.0	0.76	-0.51	4.40
5,008.0	6.38	76.47	4,722.5	673.4	1,281.2	1,447.3	1.29	-1.22	-3.64
5,072.0	5.98	76.37	4,786.1	675.0	1,287.9	1,453.9	0.63	-0.63	-0.16
5,118.0	5.88	75.72	4,831.9	676.2	1,292.5	1,458.5	0.26	-0.22	-1.41
Last SDI MWD Survey									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
388.0	388.0	-0.4	0.4	First SDI MWD Survey
5,118.0	4,831.9	676.2	1,292.5	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____