

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 10, 2010

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

Submit one copy to appropriate
District Office

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

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

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-31087	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 129N
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6682'

¹⁰ Surface Location

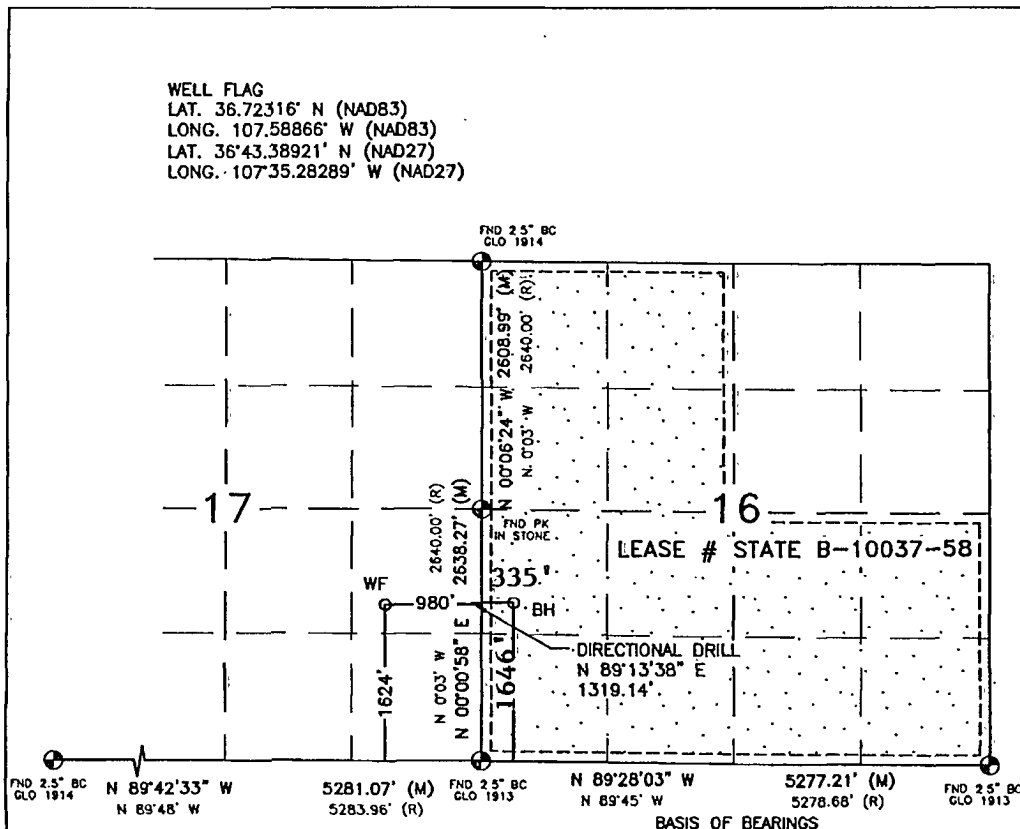
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	17	29N	7W		1624'	SOUTH	980'	EAST	RIO ARRIBA

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
L	16	29N	7W		1646'	SOUTH	335'	WEST	RIO ARRIBA
¹² Dedicated Acres 320.00 ACRES - MV (W/2)			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD OCT 15 '12 OIL CONS. DIV. DIST. 2		

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

16



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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Marie E. Jaramillo 10/12/12

Printed Name

Staff Regulatory Tech.

E-mail Address

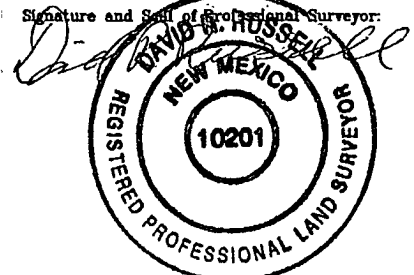
¹⁸ SURVEYOR CERTIFICATION

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.

MARCH 7, 2011

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

WF/V A

TS

COP Deviation Report

SAN JUAN 29-7 UNIT #129N

RCVD OCT 15 '12
OIL CONS. DIV.
DIST. 3

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName SAN JUAN 29-7 UNIT #129N	API / UWI 3003931087	County RIO ARRIBA	State/Province NEW MEXICO
Surface Legal Location 017-029N-007W-I	N/S Dist (ft) 1,624.00	N/S Ref FSL	E/W Dist (ft) 980 00	E/W Ref FEL

Survey Data						
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company	
7/25/2012	130 00	1.25		Inc-WL	Mo Te Drilling Inc	
7/25/2012	235.00	1 00		Inc-WL	Mo Te Drilling Inc	
8/4/2012	268 00	0.54	31.94	IncAzi-MWD	Scientific Drilling	
8/4/2012	299 00	0.78	38.23	IncAzi-MWD	Scientific Drilling	
8/4/2012	329 00	1.25	54.38	IncAzi-MWD	Scientific Drilling	
8/4/2012	360.00	2.53	67 37	IncAzi-MWD	Scientific Drilling	
8/4/2012	390.00	3.50	70.74	IncAzi-MWD	Scientific Drilling	
8/4/2012	421.00	4.18	72.08	IncAzi-MWD	Scientific Drilling	
8/4/2012	451 00	4.81	73.98	IncAzi-MWD	Scientific Drilling	
8/4/2012	482.00	5 44	76.15	IncAzi-MWD	Scientific Drilling	
8/4/2012	513 00	6 24	77.71	IncAzi-MWD	Scientific Drilling	
8/4/2012	543 00	7 12	79.43	IncAzi-MWD	Scientific Drilling	
8/4/2012	574 00	7.99	82.39	IncAzi-MWD	Scientific Drilling	
8/4/2012	604 00	8 47	84.46	IncAzi-MWD	Scientific Drilling	
8/4/2012	635 00	9.15	88 23	IncAzi-MWD	Scientific Drilling	
8/4/2012	665.00	10.55	88 72	IncAzi-MWD	Scientific Drilling	
8/4/2012	696 00	11.21	89.47	IncAzi-MWD	Scientific Drilling	
8/4/2012	727.00	11.78	89.82	IncAzi-MWD	Scientific Drilling	
8/4/2012	757 00	12 37	89.97	IncAzi-MWD	Scientific Drilling	
8/4/2012	787 00	13.22	89 70	IncAzi-MWD	Scientific Drilling	
8/4/2012	818.00	14.11	89.77	IncAzi-MWD	Scientific Drilling	
8/4/2012	852 00	15.03	89.23	IncAzi-MWD	Scientific Drilling	
8/4/2012	884.00	15.94	88.86	IncAzi-MWD	Scientific Drilling	
8/4/2012	916.00	16.58	88 31	IncAzi-MWD	Scientific Drilling	
8/4/2012	949.00	17.24	88 61	IncAzi-MWD	Scientific Drilling	
8/4/2012	981.00	17.99	88 85	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,013.00	18.50	90 16	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,046.00	19.18	90.56	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,078.00	20.00	91 53	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,110 00	20 67	91 75	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,142 00	21.69	92.50	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,207 00	23.00	92.66	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,271 00	23.27	92 28	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,336 00	23.52	91 98	IncAzi-MWD	Scientific Drilling	
8/4/2012	1,400.00	23.27	92 19	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 #129N

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
8/4/2012	1,465.00	23.22	90 78	IncAzi-MWD	Scientific Drilling
8/4/2012	1,529.00	23.25	88 92	IncAzi-MWD	Scientific Drilling
8/4/2012	1,594.00	23.05	89 11	IncAzi-MWD	Scientific Drilling
8/4/2012	1,658.00	23.34	88 59	IncAzi-MWD	Scientific Drilling
8/4/2012	1,723.00	23.50	89 11	IncAzi-MWD	Scientific Drilling
8/4/2012	1,787.00	23.22	88 01	IncAzi-MWD	Scientific Drilling
8/4/2012	1,851.00	23.01	87 36	IncAzi-MWD	Scientific Drilling
8/5/2012	1,916.00	24.30	87 30	IncAzi-MWD	Scientific Drilling
8/5/2012	1,981.00	24.36	88 47	IncAzi-MWD	Scientific Drilling
8/5/2012	2,045.00	24 41	88 09	IncAzi-MWD	Scientific Drilling
8/5/2012	2,109.00	24 63	87 97	IncAzi-MWD	Scientific Drilling
8/5/2012	2,174.00	24 78	87 70	IncAzi-MWD	Scientific Drilling
8/5/2012	2,238.00	24 64	87 34	IncAzi-MWD	Scientific Drilling
8/5/2012	2,303.00	24 50	87 03	IncAzi-MWD	Scientific Drilling
8/5/2012	2,367.00	24 57	86 72	IncAzi-MWD	Scientific Drilling
8/5/2012	2,432.00	23 83	86 40	IncAzi-MWD	Scientific Drilling
8/5/2012	2,496.00	23 92	86 37	IncAzi-MWD	Scientific Drilling
8/5/2012	2,560.00	23 35	84 94	IncAzi-MWD	Scientific Drilling
8/5/2012	2,625.00	23 36	84 93	IncAzi-MWD	Scientific Drilling
8/5/2012	2,689.00	24 73	86 93	IncAzi-MWD	Scientific Drilling
8/6/2012	2,754.00	24 50	88 74	IncAzi-MWD	Scientific Drilling
8/6/2012	2,819.00	25 68	89 65	IncAzi-MWD	Scientific Drilling
8/6/2012	2,883.00	25 26	88 46	IncAzi-MWD	Scientific Drilling
8/6/2012	2,948.00	25 47	88 31	IncAzi-MWD	Scientific Drilling
8/6/2012	3,012.00	26 11	88 34	IncAzi-MWD	Scientific Drilling
8/6/2012	3,076.00	26 34	89 08	IncAzi-MWD	Scientific Drilling
8/6/2012	3,141.00	26 38	89 19	IncAzi-MWD	Scientific Drilling
8/6/2012	3,205.00	25 97	90 13	IncAzi-MWD	Scientific Drilling
8/6/2012	3,270.00	24 51	90 43	IncAzi-MWD	Scientific Drilling
8/6/2012	3,335.00	23 13	91 59	IncAzi-MWD	Scientific Drilling
8/6/2012	3,399.00	22 35	91 95	IncAzi-MWD	Scientific Drilling
8/6/2012	3,464.00	21 04	92 61	IncAzi-MWD	Scientific Drilling
8/6/2012	3,528.00	19 41	92 53	IncAzi-MWD	Scientific Drilling
8/6/2012	3,592.00	17 90	91 86	IncAzi-MWD	Scientific Drilling
8/6/2012	3,657.00	16 07	91 98	IncAzi-MWD	Scientific Drilling
8/6/2012	3,722.00	15 27	92 95	IncAzi-MWD	Scientific Drilling
8/6/2012	3,786.00	14 83	91 87	IncAzi-MWD	Scientific Drilling
8/6/2012	3,851.00	13 78	89 28	IncAzi-MWD	Scientific Drilling
8/6/2012	3,916.00	12 41	88 33	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
8/6/2012	3,980.00	11.45	88.10	IncAzi-MWD	Scientific Drilling
8/6/2012	4,045.00	10.74	88.93	IncAzi-MWD	Scientific Drilling
8/6/2012	4,109.00	9.25	90.95	IncAzi-MWD	Scientific Drilling
8/6/2012	4,174.00	8.12	90.93	IncAzi-MWD	Scientific Drilling
8/6/2012	4,238.00	6.52	91.14	IncAzi-MWD	Scientific Drilling
8/6/2012	4,302.00	5.09	93.06	IncAzi-MWD	Scientific Drilling
8/6/2012	4,367.00	3.89	97.59	IncAzi-MWD	Scientific Drilling
8/6/2012	4,431.00	2.93	94.07	IncAzi-MWD	Scientific Drilling
8/6/2012	4,512.00	2.61	95.15	IncAzi-MWD	Scientific Drilling
8/6/2012	4,568.00	2.39	95.90	Projection	Scientific Drilling
8/12/2012	5,000.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
8/12/2012	5,500.00	1.00		Inc-MWD	Aztec Well Servicing Co Inc
8/13/2012	6,000.00	0.50		Inc-MWD	Aztec Well Servicing Co Inc
8/14/2012	6,186.00	1.50		Inc-Drop	Aztec Well Servicing Co Inc

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

9/6/12

[Signature: Maria Jaramila]

Notary Public in and for San Juan County, New Mexico

My Commission expires

9/29/14



RCVD OCT 15 '12

OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 17-T29N-R7W

San Juan 29-7 Unit 129N

OH

API # 3003931087

Design: OH

Standard Survey Report

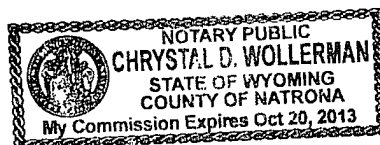
10 August, 2012

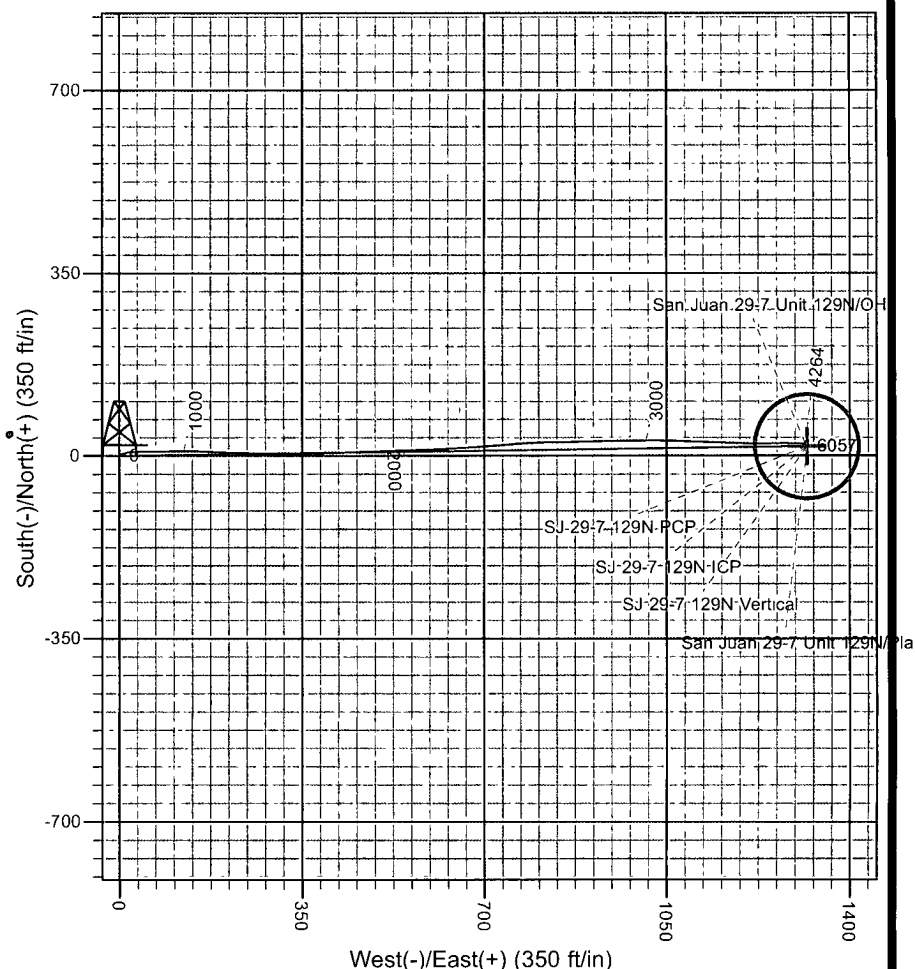
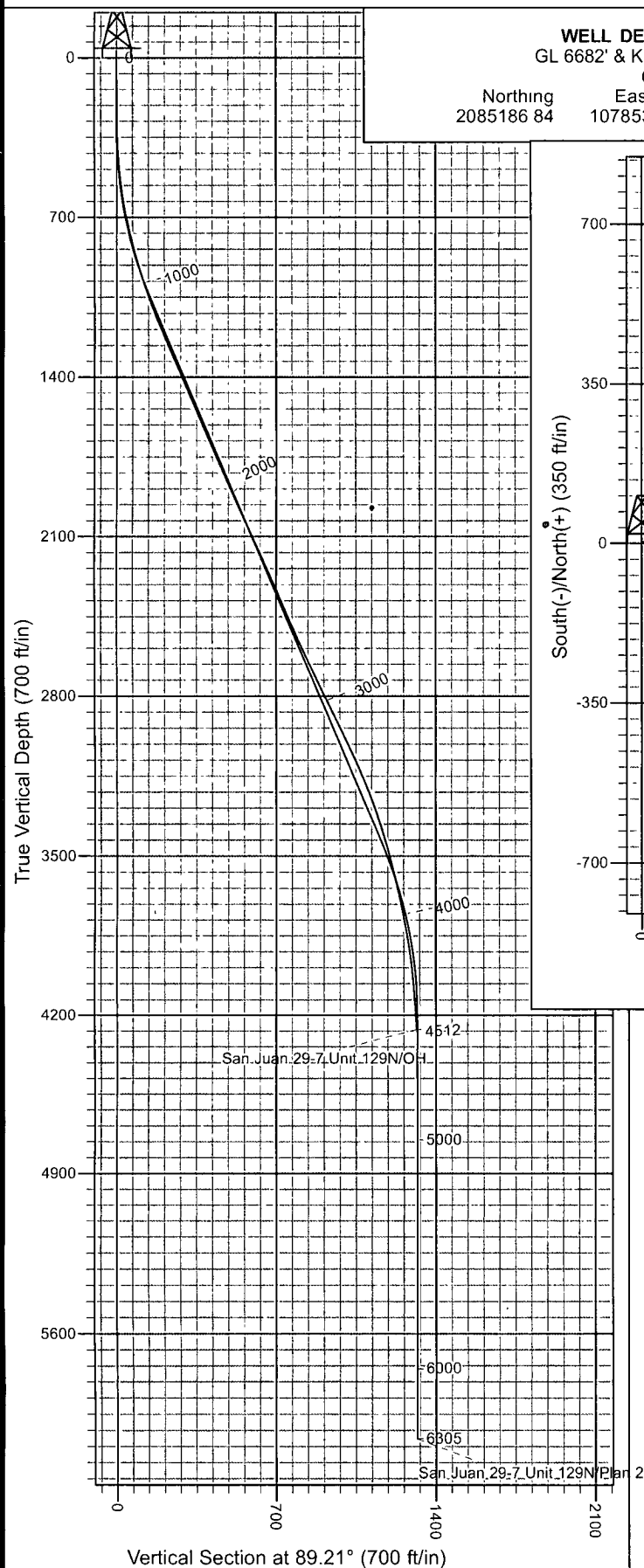
This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this date 10th of August, 2012.

Chrystal D. Wollerman

Notary Signature
County of Natrona
State of Wyoming





REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well San Juan 29-7 Unit 129N, True North
 Vertical (TVD) Reference: GL 6682' & KB 15' @ 6697.0ft (AWS 920)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 6682' & KB 15' @ 6697.0ft (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 129N
Project:	SJB (NM Central)	TVD Reference:	GL 6682' & KB 15' @ 6697.0ft (AWS 920)
Site:	SEC 17-T29N-R7W	MD Reference:	GL 6682' & KB 15' @ 6697.0ft (AWS 920)
Well:	San Juan 29-7 Unit 129N	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 17-T29N-R7W			
Site Position:		Northing:	2,088,359.85 ft	Latitude:	36° 43' 54.577 N
From:	Lat/Long	Easting:	106,798.29 ft	Longitude:	107° 35' 30.483 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	-0.80 °

Well:	San Juan 29-7 Unit 129N, 1624' FSL 980' FEL					
Well Position	+N/-S	0 0 ft	Northing:	2,085,186 84 ft	Latitude:	36° 43' 23.353 N
	+E/-W	0 0 ft	Easting:	107,853 92 ft	Longitude:	107° 35' 16.973 W
Position Uncertainty		0 0 ft	Wellhead Elevation:	ft	Ground Level:	6,682.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	2012/07/30	9.72	63.44	50,588

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	89.21	

Survey Program	Date	2012/08/10			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
268.0	4,512.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Survey										
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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
268.0	0.54	31.94	268.0	1.1	0.7	0.7	0.20	0.20	0.00	
First SDI MWD Survey										
299.0	0.78	38.23	299.0	1.4	0.9	0.9	0.81	0.77	20.29	
329.0	1.25	54.38	329.0	1.7	1.3	1.3	1.82	1.57	53.83	
360.0	2.53	67.37	360.0	2.2	2.2	2.2	4.33	4.13	41.90	
390.0	3.50	70.74	389.9	2.7	3.7	3.7	3.29	3.23	11.23	
421.0	4.18	72.08	420.9	3.4	5.6	5.7	2.21	2.19	4.32	
451.0	4.81	73.98	450.8	4.1	7.9	7.9	2.16	2.10	6.33	
482.0	5.44	76.15	481.6	4.8	10.5	10.6	2.13	2.03	7.00	
513.0	6.24	77.71	512.5	5.5	13.6	13.7	2.63	2.58	5.03	
543.0	7.12	79.43	542.3	6.2	17.0	17.1	3.01	2.93	5.73	
574.0	7.99	82.39	573.0	6.8	21.1	21.2	3.07	2.81	9.55	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 129N
Project:	SJB (NM Central)	TVD Reference:	GL 6682' & KB 15' @ 6697.0ft (AWS 920)
Site:	SEC 17-T29N-R7W	MD Reference:	GL 6682' & KB 15' @ 6697.0ft (AWS 920)
Well:	San Juan 29-7 Unit 129N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003.21 Single User Db

Survey										
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)	
604.0	8.47	84.46	602.7	7.3	25.3	25.4	1.88	1.60	6.90	
635.0	9.15	88.23	633.3	7.6	30.1	30.2	2.88	2.19	12.16	
665.0	10.55	88.72	662.9	7.7	35.2	35.3	4.67	4.67	1.63	
696.0	11.21	89.47	693.3	7.8	41.0	41.1	2.18	2.13	2.42	
727.0	11.78	89.82	723.7	7.9	47.2	47.3	1.85	1.84	1.13	
757.0	12.37	89.97	753.0	7.9	53.5	53.6	1.97	1.97	0.50	
787.0	13.22	89.70	782.3	7.9	60.1	60.2	2.84	2.83	-0.90	
818.0	14.11	89.77	812.4	7.9	67.5	67.6	2.87	2.87	0.23	
852.0	15.03	89.23	845.3	8.0	76.0	76.1	2.74	2.71	-1.59	
884.0	15.94	88.86	876.2	8.2	84.6	84.7	2.86	2.84	-1.16	
916.0	16.58	88.31	906.9	8.4	93.5	93.6	2.06	2.00	-1.72	
949.0	17.24	88.61	938.5	8.6	103.1	103.2	2.02	2.00	0.91	
981.0	17.99	88.85	969.0	8.8	112.8	112.9	2.35	2.34	0.75	
1,013.0	18.50	90.16	999.4	8.9	122.8	122.9	2.05	1.59	4.09	
1,046.0	19.18	90.56	1,030.6	8.9	133.5	133.6	2.10	2.06	1.21	
1,078.0	20.00	91.53	1,060.7	8.7	144.2	144.3	2.76	2.56	3.03	
1,110.0	20.67	91.75	1,090.7	8.3	155.3	155.4	2.11	2.09	0.69	
1,142.0	21.69	92.50	1,120.6	7.9	166.9	167.0	3.30	3.19	2.34	
1,207.0	23.00	92.66	1,180.7	6.8	191.5	191.6	2.02	2.02	0.25	
1,271.0	23.27	92.28	1,239.5	5.7	216.7	216.7	0.48	0.42	-0.59	
1,336.0	23.52	91.98	1,299.2	4.8	242.5	242.5	0.43	0.38	-0.46	
1,400.0	23.27	92.19	1,357.9	3.8	267.9	267.9	0.41	-0.39	0.33	
1,465.0	23.22	90.78	1,417.7	3.2	293.5	293.5	0.86	-0.08	-2.17	
1,529.0	23.25	88.92	1,476.5	3.2	318.7	318.8	1.15	0.05	-2.91	
1,594.0	23.05	89.11	1,536.2	3.7	344.3	344.3	0.33	-0.31	0.29	
1,658.0	23.34	88.59	1,595.1	4.2	369.5	369.5	0.55	0.45	-0.81	
1,723.0	23.50	89.11	1,654.7	4.7	395.3	395.4	0.40	0.25	0.80	
1,787.0	23.22	88.01	1,713.5	5.3	420.7	420.7	0.81	-0.44	-1.72	
1,851.0	23.01	87.36	1,772.3	6.4	445.8	445.8	0.52	-0.33	-1.02	
1,916.0	24.30	87.30	1,831.9	7.6	471.9	471.9	1.98	1.98	-0.09	
1,981.0	24.36	88.47	1,891.1	8.6	498.6	498.7	0.75	0.09	1.80	
2,045.0	24.41	88.09	1,949.4	9.4	525.0	525.1	0.26	0.08	-0.59	
2,109.0	24.63	87.97	2,007.6	10.3	551.6	551.7	0.35	0.34	-0.19	
2,174.0	24.78	87.70	2,066.7	11.3	578.7	578.8	0.29	0.23	-0.42	
2,238.0	24.64	87.34	2,124.8	12.4	605.4	605.6	0.32	-0.22	-0.56	
2,303.0	24.50	87.03	2,183.9	13.8	632.4	632.6	0.29	-0.22	-0.48	
2,367.0	24.57	86.72	2,242.1	15.2	659.0	659.1	0.23	0.11	-0.48	
2,432.0	23.83	86.40	2,301.4	16.8	685.6	685.7	1.16	-1.14	-0.49	
2,496.0	23.92	86.37	2,360.0	18.5	711.4	711.6	0.14	0.14	-0.05	
2,560.0	23.35	84.94	2,418.6	20.4	737.0	737.2	1.26	-0.89	-2.23	
2,625.0	23.36	84.93	2,478.3	22.7	762.7	762.9	0.02	0.02	-0.02	
2,689.0	24.73	86.93	2,536.7	24.5	788.7	788.9	2.49	2.14	3.13	
2,754.0	24.50	88.74	2,595.8	25.5	815.7	816.0	1.21	-0.35	2.78	
2,819.0	25.68	89.65	2,654.7	25.9	843.3	843.6	1.91	1.82	1.40	
2,883.0	25.26	88.46	2,712.4	26.4	870.8	871.1	1.03	-0.66	-1.86	
2,948.0	25.47	88.31	2,771.2	27.2	898.6	898.9	0.34	0.32	-0.23	
3,012.0	26.11	88.34	2,828.8	28.0	926.5	926.8	1.00	1.00	0.05	
3,076.0	26.34	89.08	2,886.2	28.6	954.7	955.1	0.62	0.36	1.16	
3,141.0	26.38	89.19	2,944.5	29.0	983.6	983.9	0.10	0.06	0.17	
3,205.0	25.97	90.13	3,001.9	29.2	1,011.8	1,012.1	0.91	-0.64	1.47	
3,270.0	24.51	90.43	3,060.7	29.1	1,039.6	1,039.9	2.25	-2.25	0.46	
3,335.0	23.13	91.59	3,120.1	28.6	1,065.8	1,066.1	2.24	-2.12	1.78	
3,399.0	22.35	91.95	3,179.2	27.9	1,090.5	1,090.8	1.24	-1.22	0.56	
3,464.0	21.04	92.61	3,239.6	26.9	1,114.5	1,114.8	2.05	-2.02	1.02	

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well San Juan 29-7 Unit 129N
Project:	SJB (NM Central)	TVD Reference:	GL 6682' & KB 15' @ 6697.0ft (AWS 920)
Site:	SEC 17-T29N-R7W	MD Reference:	GL 6682' & KB 15' @ 6697.0ft (AWS 920)
Well:	San Juan 29-7 Unit 129N	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 2003 21 Single User Db

Survey										
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)	
3,528.0	19.41	92.53	3,299.6	25.9	1,136.6	1,136.9	2.55	-2.55	-0.13	
3,592.0	17.90	91.86	3,360.3	25.1	1,157.1	1,157.3	2.38	-2.36	-1.05	
3,657.0	16.07	91.98	3,422.4	24.5	1,176.1	1,176.3	2.82	-2.82	0.18	
3,722.0	15.27	92.95	3,485.0	23.7	1,193.6	1,193.8	1.30	-1.23	1.49	
3,786.0	14.83	91.87	3,546.8	23.0	1,210.2	1,210.4	0.82	-0.69	-1.69	
3,851.0	13.78	89.28	3,609.8	22.9	1,226.3	1,226.5	1.89	-1.62	-3.98	
3,916.0	12.41	88.33	3,673.1	23.2	1,241.0	1,241.2	2.13	-2.11	-1.46	
3,980.0	11.45	88.10	3,735.7	23.6	1,254.2	1,254.4	1.50	-1.50	-0.36	
4,045.0	10.74	88.93	3,799.5	23.9	1,266.7	1,266.9	1.12	-1.09	1.28	
4,109.0	9.25	90.95	3,862.5	23.9	1,277.8	1,278.0	2.39	-2.33	3.16	
4,174.0	8.12	90.93	3,926.8	23.8	1,287.6	1,287.8	1.74	-1.74	-0.03	
4,238.0	6.52	91.14	3,990.3	23.6	1,295.8	1,296.0	2.50	-2.50	0.33	
4,302.0	5.09	93.06	4,053.9	23.4	1,302.3	1,302.5	2.25	-2.23	3.00	
4,367.0	3.89	97.59	4,118.7	22.9	1,307.3	1,307.5	1.92	-1.85	6.97	
4,431.0	2.93	94.07	4,182.6	22.5	1,311.1	1,311.3	1.53	-1.50	-5.50	
4,512.0	2.61	95.15	4,263.5	22.2	1,315.0	1,315.2	0.40	-0.40	1.33	
Last SDI MWD Survey										

Checked By: _____	Approved By: _____	Date: _____
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