

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 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 30-045-35250		² Pool Code 71599 / 72319		³ Pool Name BLANCO BASIN DAKOTA / MESAVERDE	
⁴ Property Code 36058		⁵ Property Name BLANCO WASH FEDERAL			⁶ Well Number 3M
⁷ OGRID No. 14538		⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			⁹ Elevation 6840

¹⁰ SURFACE LOCATION

UL or lot no. F	Section 27	Township 28-N	Range 9-W	Lot Idn	Feet from the 1723	North/South line NORTH	Feet from the 1547	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. K	Section 27	Township 28-N	Range 9-W	Lot Idn	Feet from the 2333'	North/South line SOUTH	Feet from the 1885'	East/West line WEST	County SAN JUAN
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¹² Dedicated Acres 320.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD JUN 26 '13 OIL CONS. DIV.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN DIST. 3
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ GLO 1916 N 89°47'10" E N 89°57' W 2653.5' (M) 2643.0' (R)		WELL FLAG NAD 83 LAT: 36.635494° N LONG: 107.779743° W NAD 27 LAT: 36°38.129188' N LONG: 107°46.747660' W		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. Arleen White 6/26/13 Signature Date Arleen White Printed Name arleen.r.white@concoPhillips.com E-mail Address	
2639.3' (M) 2840.0' (R)		1723'		1547'	
N 0°15'49" W N 0°02' W		USA SF-077107-A		SECTION 27, T-28-N, R-9-W	
GLO 1916 1885'		2333'		46.2' GLO 1916 W.C. CALC COR.	
2625.7' (M) 2840.0' (R)		2640.0' (R) 2639.2' (M)		BASIS OF BEARING IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION AND NGS/OPUS SOLUTION.	
N 0°31'26" W N 0°02' W USA SF-077111		GLO 1916 WEST S 89°44'31" W		GLO 1916	

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.

Date of Survey: 09/17/2010

Signature and Seal of Professional Surveyor:



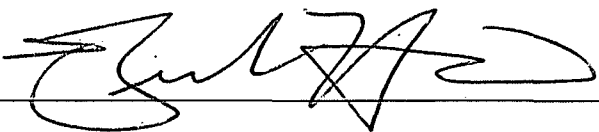
Certificate Number: NM 11393

BLANCO WASH FEDERAL #3M

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName BLANCO WASH FEDERAL #3M	API / UWI 3004535250	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 027-028N-009W-F	N/S Dist (ft) 1,723.00	N/S Ref FNL	E/W Dist (ft) 1,547.00	E/W Ref FWL

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
4/8/2013	133.00	0.75		Inc-Drop	Mo Te Drilling Inc
4/8/2013	253.00	0.75		Inc-Drop	Mo Te Drilling Inc
4/8/2013	351.00	1.00		Inc-Drop	Mo Te Drilling Inc
4/21/2013	392.00	1.12	137.99	IncAzi-MWD	Scientific Drilling
4/21/2013	453.00	1.55	156.30	IncAzi-MWD	Scientific Drilling
4/21/2013	515.00	2.09	164.17	IncAzi-MWD	Scientific Drilling
4/21/2013	577.00	3.41	161.28	IncAzi-MWD	Scientific Drilling
4/21/2013	638.00	4.65	165.31	IncAzi-MWD	Scientific Drilling
4/21/2013	699.00	5.77	171.96	IncAzi-MWD	Scientific Drilling
4/21/2013	761.00	6.24	174.86	IncAzi-MWD	Scientific Drilling
4/21/2013	822.00	7.51	177.40	IncAzi-MWD	Scientific Drilling
4/21/2013	886.00	8.33	175.14	IncAzi-MWD	Scientific Drilling
4/21/2013	948.00	9.58	174.30	IncAzi-MWD	Scientific Drilling
4/21/2013	1,011.00	10.60	175.47	IncAzi-MWD	Scientific Drilling
4/21/2013	1,074.00	11.76	171.70	IncAzi-MWD	Scientific Drilling
4/21/2013	1,138.00	12.68	167.12	IncAzi-MWD	Scientific Drilling
4/21/2013	1,200.00	14.00	165.99	IncAzi-MWD	Scientific Drilling
4/21/2013	1,264.00	15.42	166.23	IncAzi-MWD	Scientific Drilling
4/21/2013	1,327.00	16.66	166.75	IncAzi-MWD	Scientific Drilling
4/21/2013	1,390.00	17.63	166.00	IncAzi-MWD	Scientific Drilling
4/22/2013	1,454.00	19.22	165.64	IncAzi-MWD	Scientific Drilling
4/22/2013	1,517.00	19.82	165.71	IncAzi-MWD	Scientific Drilling
4/22/2013	1,580.00	19.87	165.24	IncAzi-MWD	Scientific Drilling
4/22/2013	1,643.00	20.07	165.25	IncAzi-MWD	Scientific Drilling
4/22/2013	1,706.00	20.47	165.86	IncAzi-MWD	Scientific Drilling
4/22/2013	1,770.00	20.80	165.19	IncAzi-MWD	Scientific Drilling
4/22/2013	1,833.00	20.77	165.71	IncAzi-MWD	Scientific Drilling
4/22/2013	1,896.00	20.85	164.07	IncAzi-MWD	Scientific Drilling
4/22/2013	1,960.00	20.52	163.72	IncAzi-MWD	Scientific Drilling
4/22/2013	2,023.00	20.81	164.86	IncAzi-MWD	Scientific Drilling
4/22/2013	2,086.00	21.18	163.83	IncAzi-MWD	Scientific Drilling
4/22/2013	2,149.00	21.52	164.28	IncAzi-MWD	Scientific Drilling
4/22/2013	2,212.00	21.94	164.30	IncAzi-MWD	Scientific Drilling
4/22/2013	2,275.00	22.26	163.09	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

BLANCO WASH FEDERAL #3M

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
4/22/2013	2,338.00	22.37	163.78	IncAzi-MWD	Scientific Drilling
4/22/2013	2,400.00	22.55	163.35	IncAzi-MWD	Scientific Drilling
4/22/2013	2,464.00	22.78	161.81	IncAzi-MWD	Scientific Drilling
4/22/2013	2,526.99	23.18	161.00	IncAzi-MWD	Scientific Drilling
4/22/2013	2,620.99	23.19	162.03	IncAzi-MWD	Scientific Drilling
4/22/2013	2,651.99	23.13	161.03	IncAzi-MWD	Scientific Drilling
4/22/2013	2,714.99	23.20	162.80	IncAzi-MWD	Scientific Drilling
4/22/2013	2,777.99	22.70	164.14	IncAzi-MWD	Scientific Drilling
4/23/2013	2,840.99	22.01	163.45	IncAzi-MWD	Scientific Drilling
4/23/2013	2,903.99	20.30	163.81	IncAzi-MWD	Scientific Drilling
4/23/2013	2,966.99	19.63	163.24	IncAzi-MWD	Scientific Drilling
4/23/2013	3,028.99	19.02	162.92	IncAzi-MWD	Scientific Drilling
4/23/2013	3,091.99	18.27	162.12	IncAzi-MWD	Scientific Drilling
4/23/2013	3,155.99	18.25	161.99	IncAzi-MWD	Scientific Drilling
4/23/2013	3,218.99	18.90	163.69	IncAzi-MWD	Scientific Drilling
4/23/2013	3,281.99	18.93	163.69	IncAzi-MWD	Scientific Drilling
4/23/2013	3,344.99	18.42	162.72	IncAzi-MWD	Scientific Drilling
4/23/2013	3,407.99	17.16	162.79	IncAzi-MWD	Scientific Drilling
4/23/2013	3,470.99	16.81	162.67	IncAzi-MWD	Scientific Drilling
4/23/2013	3,533.99	15.97	167.80	IncAzi-MWD	Scientific Drilling
4/23/2013	3,596.99	15.82	168.20	IncAzi-MWD	Scientific Drilling
4/23/2013	3,659.99	16.26	168.65	IncAzi-MWD	Scientific Drilling
4/23/2013	3,722.99	15.56	167.05	IncAzi-MWD	Scientific Drilling
4/23/2013	3,785.99	16.37	166.88	IncAzi-MWD	Scientific Drilling
4/23/2013	3,816.99	17.09	166.82	IncAzi-MWD	Scientific Drilling
4/23/2013	3,848.99	16.86	165.37	IncAzi-MWD	Scientific Drilling
4/23/2013	3,911.99	16.53	163.84	IncAzi-MWD	Scientific Drilling
4/23/2013	3,973.99	17.34	161.96	IncAzi-MWD	Scientific Drilling
4/23/2013	4,037.99	17.44	162.96	IncAzi-MWD	Scientific Drilling
4/23/2013	4,100.99	16.24	161.91	IncAzi-MWD	Scientific Drilling
4/23/2013	4,163.99	14.84	163.92	IncAzi-MWD	Scientific Drilling
4/23/2013	4,227.99	15.04	163.83	IncAzi-MWD	Scientific Drilling
4/23/2013	4,290.99	14.82	162.95	IncAzi-MWD	Scientific Drilling
4/23/2013	4,353.99	15.46	162.46	IncAzi-MWD	Scientific Drilling
4/23/2013	4,385.99	15.53	164.07	IncAzi-MWD	Scientific Drilling
4/23/2013	4,416.99	15.25	164.52	IncAzi-MWD	Scientific Drilling
4/23/2013	4,479.99	14.73	166.04	IncAzi-MWD	Scientific Drilling
4/23/2013	4,542.99	14.48	167.16	IncAzi-MWD	Scientific Drilling
4/23/2013	4,605.99	12.05	166.65	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

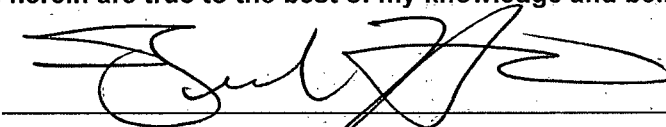
My Commission expires _____

**COP Deviation Report
BLANCO WASH FEDERAL #3M**

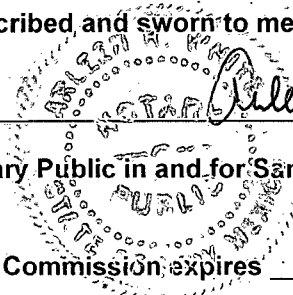
Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
4/23/2013	4,669.99	10.91	165.91	IncAzi-MWD	Scientific Drilling
4/23/2013	4,731.99	9.83	159.93	IncAzi-MWD	Scientific Drilling
4/24/2013	4,794.99	8.32	159.70	IncAzi-MWD	Scientific Drilling
4/24/2013	4,857.99	6.86	155.39	IncAzi-MWD	Scientific Drilling
4/24/2013	4,920.99	6.14	153.32	IncAzi-MWD	Scientific Drilling
4/24/2013	4,983.99	4.39	153.02	IncAzi-MWD	Scientific Drilling
4/24/2013	5,036.99	2.69	152.10	IncAzi-MWD	Scientific Drilling
4/24/2013	5,095.99	1.69	152.10	IncAzi-MWD	Scientific Drilling
5/2/2013	7,744.00	2.00		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.



Subscribed and sworn to me this 5/3/13

 Queen White

Notary Public in and for San Juan County, New Mexico

My Commission expires 5/26/15



RCVD JUN 26 '13
OIL CONS. DIV.

DIST. 3

ConocoPhillips

SJB (NM West)

SEC 27-T28N-R9W

Blanco Wash Federal 3M

OH

30-045-35250

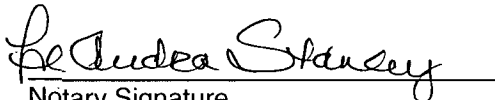
Design: OH

Standard Survey Report

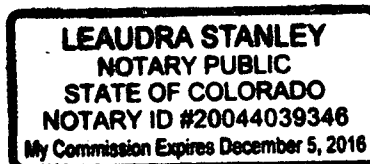
29 April, 2013

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

Notarized this date 29th of April, 2013.



Notary Signature
County of Mesa
State of Colorado



Scientific Drilling



Project: SJB (NM West)
Site: SEC 27-T28N-R9W
Well: Blanco Wash Federal 3M
Wellbore: OH
Design: OH



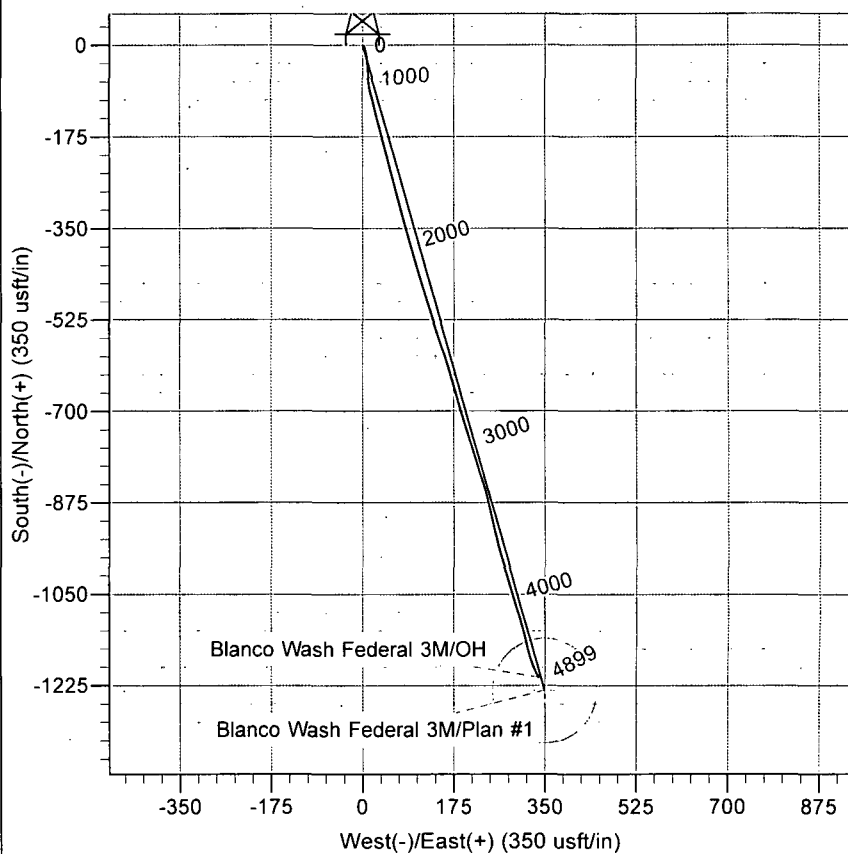
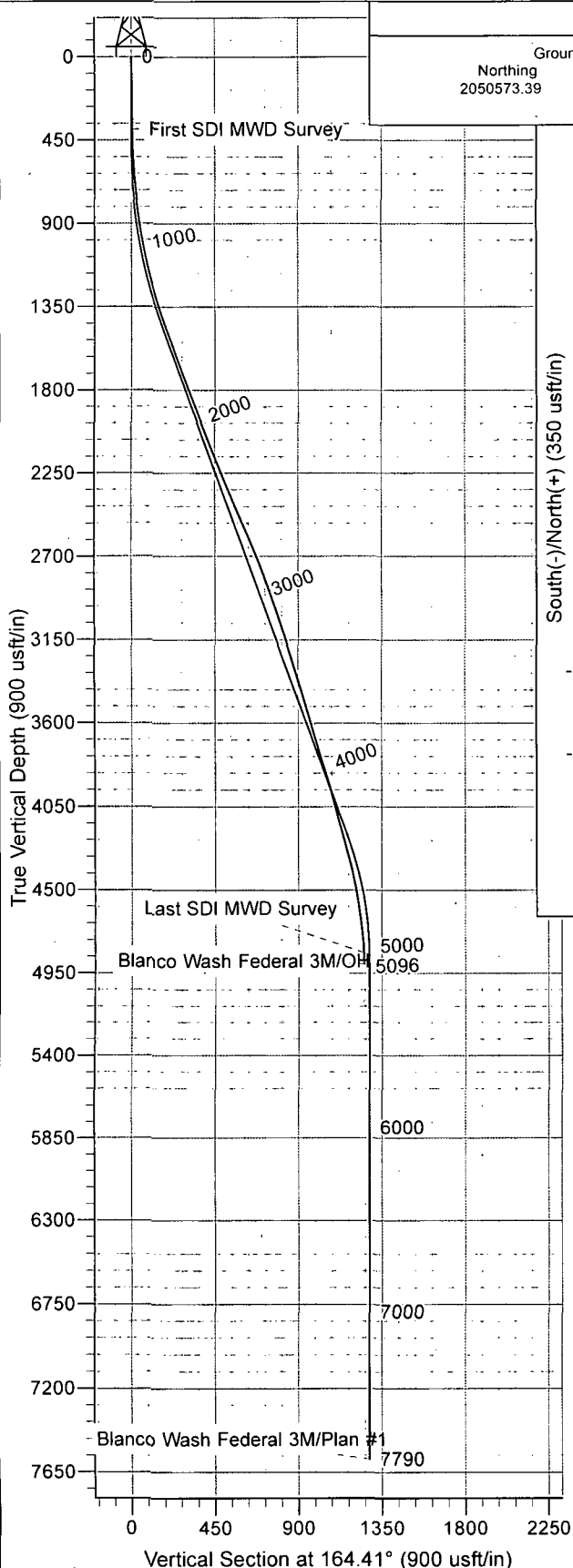
WELL DETAILS: Blanco Wash Federal 3M

Ground Level: GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Northing 2050573.39 Easting 515904.12 Latitude 36° 38' 7.751 N Longitude 107° 46' 44.860 W



Azimuths to True North
Magnetic North: 9.71°

Magnetic Field
Strength: 50422.6snT
Dip Angle: 63.31°
Date: 4/10/2013
Model: BGGM2012



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Blanco Wash Federal 3M, True North
Vertical (TVD) Reference: GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Calculation Method: Minimum Curvature
Local North: True

PROJECT DETAILS: SJB (NM West)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Blanco Wash Federal 3M
Project:	SJB (NM West)	TVD Reference:	GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Site:	SEC 27-T28N-R9W	MD Reference:	GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Well:	Blanco Wash Federal 3M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington District

Project	SJB (NM West), San Juan County, 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)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 27-T28N-R9W		
Site Position:		Northing:	2,050,573.38 usft
From:	Lat/Long	Easting:	515,904.12 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	36° 38' 7.751 N
		Longitude:	107° 46' 44.860 W
		Grid Convergence:	0.03 °

Well	Blanco Wash Federal 3M					
Well Position	+N/-S	0.0 usft	Northing:	2,050,573.38 usft	Latitude:	36° 38' 7.751 N
	+E/-W	0.0 usft	Easting:	515,904.12 usft	Longitude:	107° 46' 44.860 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,840.0 usft

Wellbore	OH		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	4/10/2013	9.71	63.31	50,423

Design	OH		
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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	164.41	

Survey Program	Date	4/29/2013			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
392.0	5,096.0	Survey #1 - MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	

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
392.0	1.12	137.99	392.0	-2.8	2.6	3.4	0.29	0.29	0.00
First SDI MWD Survey									
453.0	1.55	156.30	453.0	-4.0	3.3	4.8	0.98	0.70	30.02
515.0	2.09	164.17	514.9	-5.9	3.9	6.7	0.96	0.87	12.69
577.0	3.41	161.28	576.9	-8.7	4.8	9.7	2.14	2.13	-4.66
638.0	4.65	165.31	637.7	-12.8	6.0	14.0	2.08	2.03	6.61
699.0	5.77	171.96	698.4	-18.3	7.1	19.5	2.08	1.84	10.90
761.0	6.24	174.86	760.1	-24.7	7.8	25.9	0.90	0.76	4.68
822.0	7.51	177.40	820.7	-32.0	8.3	33.1	2.14	2.08	4.16
886.0	8.33	175.14	884.1	-40.8	8.9	41.7	1.37	1.28	-3.53

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Blanco Wash Federal 3M
Project:	SJB (NM West)	TVD Reference:	GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Site:	SEC 27-T28N-R9W	MD Reference:	GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Well:	Blanco Wash Federal 3M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington District

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)
948.0	9.58	174.30	945.3	-50.4	9.8	51.2	2.03	2.02	-1.35
1,011.0	10.60	175.47	1,007.3	-61.4	10.8	62.0	1.65	1.62	1.86
1,074.0	11.76	171.70	1,069.1	-73.5	12.2	74.1	2.18	1.84	-5.98
1,138.0	12.68	167.12	1,131.7	-86.8	14.7	87.6	2.09	1.44	-7.16
1,200.0	14.00	165.99	1,192.0	-100.7	18.0	101.9	2.17	2.13	-1.82
1,264.0	15.42	166.23	1,253.9	-116.5	21.9	118.1	2.22	2.22	0.38
1,327.0	16.66	166.75	1,314.5	-133.4	26.0	135.5	1.98	1.97	0.83
1,390.0	17.63	166.00	1,374.7	-151.5	30.3	154.1	1.58	1.54	-1.19
1,454.0	19.22	165.64	1,435.4	-171.1	35.3	174.3	2.49	2.48	-0.56
1,517.0	19.82	165.71	1,494.7	-191.5	40.5	195.3	0.95	0.95	0.11
1,580.0	19.87	165.24	1,554.0	-212.2	45.9	216.7	0.27	0.08	-0.75
1,643.0	20.07	165.25	1,613.2	-233.0	51.4	238.2	0.32	0.32	0.02
1,706.0	20.47	165.86	1,672.3	-254.1	56.8	260.1	0.72	0.63	0.97
1,770.0	20.80	165.19	1,732.2	-276.0	62.4	282.6	0.63	0.52	-1.05
1,833.0	20.77	165.71	1,791.1	-297.6	68.0	305.0	0.30	-0.05	0.83
1,896.0	20.85	164.07	1,850.0	-319.2	73.9	327.3	0.93	0.13	-2.60
1,960.0	20.52	163.72	1,909.9	-340.9	80.2	349.9	0.55	-0.52	-0.55
2,023.0	20.81	164.86	1,968.8	-362.3	86.2	372.2	0.79	0.46	1.81
2,086.0	21.18	163.83	2,027.6	-384.1	92.3	394.7	0.83	0.59	-1.63
2,149.0	21.52	164.28	2,086.3	-406.1	98.6	417.7	0.60	0.54	0.71
2,212.0	21.94	164.30	2,144.8	-428.6	104.9	441.0	0.67	0.67	0.03
2,275.0	22.26	163.09	2,203.2	-451.3	111.5	464.7	0.88	0.51	-1.92
2,338.0	22.37	163.78	2,261.5	-474.3	118.4	488.6	0.45	0.17	1.10
2,400.0	22.55	163.35	2,318.8	-497.0	125.1	512.3	0.39	0.29	-0.69
2,464.0	22.78	161.81	2,377.8	-520.5	132.4	537.0	0.99	0.36	-2.41
2,527.0	23.18	161.00	2,435.8	-543.8	140.3	561.5	0.81	0.63	-1.29
2,621.0	23.19	162.03	2,522.3	-578.9	152.0	598.5	0.43	0.01	1.10
2,652.0	23.13	161.03	2,550.8	-590.5	155.9	610.6	1.28	-0.19	-3.23
2,715.0	23.20	162.80	2,608.7	-614.0	163.6	635.4	1.11	0.11	2.81
2,778.0	22.70	164.14	2,666.7	-637.6	170.6	660.0	1.15	-0.79	2.13
2,841.0	22.01	163.45	2,725.0	-660.6	177.2	683.9	1.17	-1.10	-1.10
2,904.0	20.30	163.81	2,783.7	-682.4	183.7	706.7	2.72	-2.71	0.57
2,967.0	19.63	163.24	2,842.9	-703.0	189.8	728.2	1.11	-1.06	-0.90
3,029.0	19.02	162.92	2,901.4	-722.7	195.7	748.7	1.00	-0.98	-0.52
3,092.0	18.27	162.12	2,961.1	-741.9	201.8	768.8	1.26	-1.19	-1.27
3,156.0	18.25	161.99	3,021.9	-761.0	208.0	788.8	0.07	-0.03	-0.20
3,219.0	18.90	163.69	3,081.6	-780.1	213.9	808.9	1.34	1.03	2.70
3,282.0	18.93	163.69	3,141.2	-799.7	219.6	829.3	0.05	0.05	0.00
3,345.0	18.42	162.72	3,200.9	-819.0	225.4	849.5	0.95	-0.81	-1.54
3,408.0	17.16	162.79	3,260.9	-837.4	231.1	868.7	2.00	-2.00	0.11
3,471.0	16.81	162.67	3,321.1	-855.0	236.6	887.1	0.56	-0.56	-0.19
3,534.0	15.97	167.80	3,381.6	-872.2	241.1	904.9	2.66	-1.33	8.14
3,597.0	15.82	168.20	3,442.2	-889.0	244.7	922.1	0.29	-0.24	0.63

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Blanco Wash Federal 3M
Project:	SJB (NM West)	TVD Reference:	GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Site:	SEC 27-T28N-R9W	MD Reference:	GL 6840' & RKB 15' @ 6855.0usft (AWS 711)
Well:	Blanco Wash Federal 3M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Farmington District

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)
3,660.0	16.26	168.65	3,502.7	-906.1	248.2	939.5	0.73	0.70	0.71
3,723.0	15.56	167.05	3,563.3	-923.0	251.9	956.7	1.31	-1.11	-2.54
3,786.0	16.37	166.88	3,623.9	-939.9	255.8	974.0	1.29	1.29	-0.27
3,817.0	17.09	166.82	3,653.6	-948.5	257.8	982.9	2.32	2.32	-0.19
3,849.0	16.86	165.37	3,684.2	-957.6	260.0	992.3	1.51	-0.72	-4.53
3,912.0	16.53	163.84	3,744.5	-975.1	264.8	1,010.4	0.87	-0.52	-2.43
3,974.0	17.34	161.96	3,803.8	-992.3	270.2	1,028.4	1.58	1.31	-3.03
4,038.0	17.44	162.96	3,864.9	-1,010.6	275.9	1,047.5	0.49	0.16	1.56
4,101.0	16.24	161.91	3,925.2	-1,028.0	281.4	1,065.8	1.96	-1.90	-1.67
4,164.0	14.84	163.92	3,985.9	-1,044.1	286.4	1,082.6	2.38	-2.22	3.19
4,228.0	15.04	163.83	4,047.7	-1,059.9	291.0	1,099.1	0.31	0.31	-0.14
4,291.0	14.82	162.95	4,108.6	-1,075.5	295.6	1,115.4	0.50	-0.35	-1.40
4,354.0	15.46	162.46	4,169.4	-1,091.2	300.5	1,131.8	1.04	1.02	-0.78
4,386.0	15.53	164.07	4,200.2	-1,099.4	303.0	1,140.4	1.36	0.22	5.03
4,417.0	15.25	164.52	4,230.1	-1,107.3	305.2	1,148.6	0.98	-0.90	1.45
4,480.0	14.73	166.04	4,291.0	-1,123.1	309.3	1,164.9	1.03	-0.83	2.41
4,543.0	14.48	167.16	4,352.0	-1,138.5	313.0	1,180.8	0.60	-0.40	1.78
4,606.0	12.05	166.65	4,413.3	-1,152.6	316.3	1,195.2	3.86	-3.86	-0.81
4,670.0	10.91	165.91	4,476.0	-1,165.0	319.3	1,207.9	1.80	-1.78	-1.16
4,732.0	9.83	159.93	4,537.0	-1,175.6	322.6	1,219.1	2.46	-1.74	-9.65
4,795.0	8.32	159.70	4,599.2	-1,185.0	326.0	1,229.0	2.40	-2.40	-0.37
4,858.0	6.86	155.39	4,661.6	-1,192.7	329.1	1,237.2	2.49	-2.32	-6.84
4,921.0	6.14	153.32	4,724.2	-1,199.1	332.2	1,244.3	1.20	-1.14	-3.29
4,984.0	4.39	153.02	4,787.0	-1,204.2	334.8	1,249.9	2.78	-2.78	-0.48
5,037.0	2.69	152.10	4,839.9	-1,207.2	336.3	1,253.1	3.21	-3.21	-1.74
Last SDI MWD Survey									
5,096.0	1.69	152.10	4,898.8	-1,209.1	337.4	1,255.3	1.70	-1.70	0.00

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
392.0	392.0	-2.8	2.6	First SDI MWD Survey
5,037.0	4,839.9	-1,207.2	336.3	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____