

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011
Submit one copy to appropriate
District Office

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35369		² Pool Code 71599/72319		³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE	
⁴ Property Code 39272		⁵ Property Name PUBCO FEDERAL GAS COM			⁶ Well Number 1F
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 5973

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
K	14	30-N	11-W	8	1936	SOUTH	1579	WEST	SAN JUAN

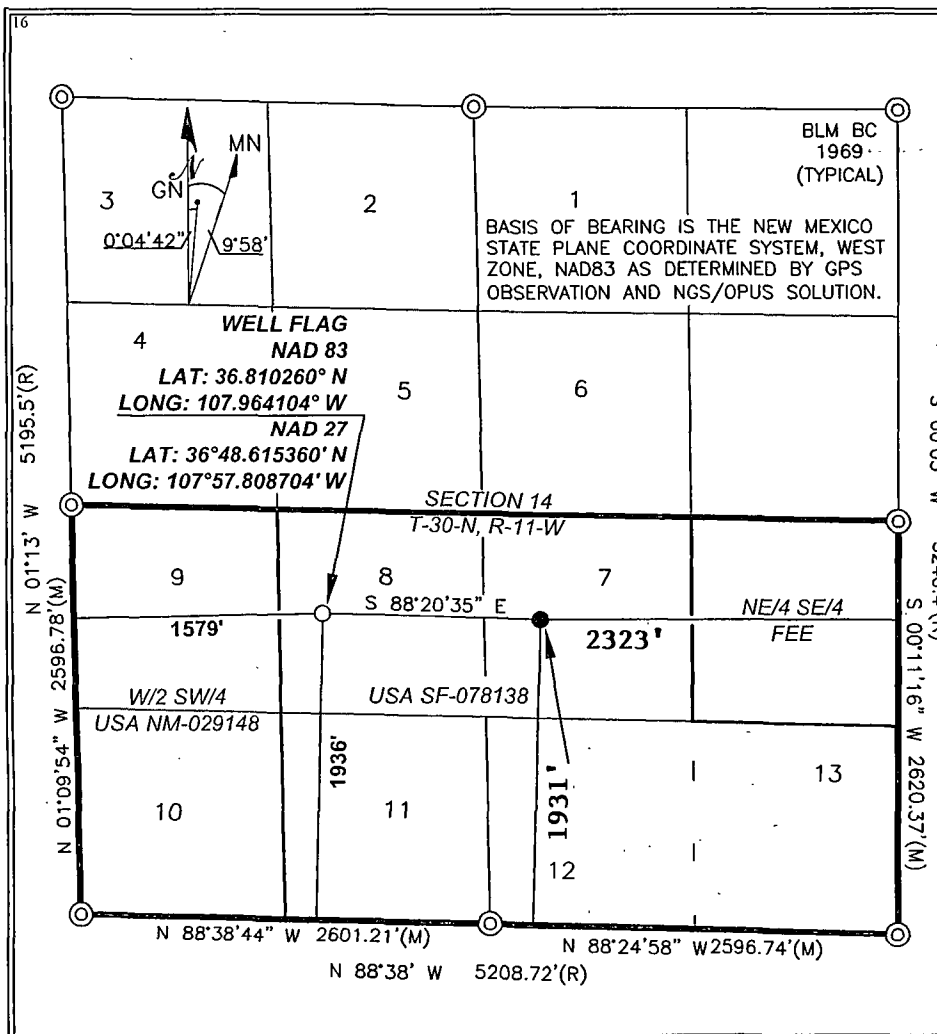
¹¹ **Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	14	30-N	11-W	7	1931'	SOUTH	2323'	EAST	SAN JUAN

¹² Dedicated Acres S/2(313.81)MV S/2(320)DK	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	RCVD DEC 18 '12 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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Arleen Kellywood 12/18/12
Signature Date

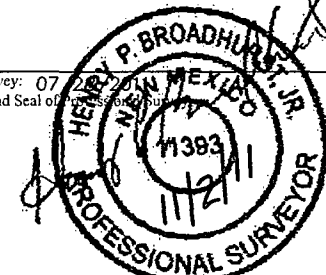
Arleen Kellywood
Printed Name

arleen.r.kellywood@conocophillips.com
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.

Date of Survey: 07/22/12
Signature and Seal of



Certificate Number: NM 11393

Ar

COP Deviation Report
PUBCO FEDERAL GAS COM #1F

RCVD DEC 13 '12
OIL CONS. DIV.
DIST 2

Operator CONOCOPHILLIPS COMPANY	Legal WellName PUBCO FEDERAL GAS COM #1F	API / UWI 3004535369	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 014-030N-011W-K	N/S Dist (ft) 1,936.00	N/S Ref FSL	E/W Dist (ft) 1,579.00	E/W Ref FWL

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
10/5/2012	128.00	2.00		Inc-Drop	Mo Te Drilling Inc
10/5/2012	234.00	2.50		Inc-Drop	Mo Te Drilling Inc
10/10/2012	270.00	2.39	137.53	IncAzi-MWD	Scientific Drilling
10/10/2012	331.00	2.72	131.47	IncAzi-MWD	Scientific Drilling
10/10/2012	392.00	3.45	114.01	IncAzi-MWD	Scientific Drilling
10/10/2012	454.00	4.44	104.12	IncAzi-MWD	Scientific Drilling
10/10/2012	515.00	5.39	99.54	IncAzi-MWD	Scientific Drilling
10/10/2012	577.00	6.19	92.06	IncAzi-MWD	Scientific Drilling
10/10/2012	639.00	7.70	89.92	IncAzi-MWD	Scientific Drilling
10/10/2012	700.00	8.77	91.48	IncAzi-MWD	Scientific Drilling
10/10/2012	762.00	9.65	95.69	IncAzi-MWD	Scientific Drilling
10/10/2012	823.00	10.53	96.68	IncAzi-MWD	Scientific Drilling
10/10/2012	886.00	11.02	98.98	IncAzi-MWD	Scientific Drilling
10/10/2012	949.00	11.66	97.39	IncAzi-MWD	Scientific Drilling
10/10/2012	1,012.00	12.25	94.26	IncAzi-MWD	Scientific Drilling
10/10/2012	1,075.00	13.55	92.20	IncAzi-MWD	Scientific Drilling
10/10/2012	1,137.00	14.59	92.06	IncAzi-MWD	Scientific Drilling
10/10/2012	1,200.00	16.01	90.92	IncAzi-MWD	Scientific Drilling
10/10/2012	1,263.00	17.34	89.99	IncAzi-MWD	Scientific Drilling
10/10/2012	1,326.00	18.55	88.27	IncAzi-MWD	Scientific Drilling
10/10/2012	1,390.00	19.62	89.76	IncAzi-MWD	Scientific Drilling
10/17/2012	1,454.00	20.97	91.55	Inc-Drop	Aztec Well Servicing Co Inc
10/10/2012	1,517.00	21.88	92.29	IncAzi-MWD	Scientific Drilling
10/10/2012	1,581.00	23.44	92.10	IncAzi-MWD	Scientific Drilling
10/10/2012	1,644.00	24.59	92.18	IncAzi-MWD	Scientific Drilling
10/10/2012	1,708.00	24.69	92.17	IncAzi-MWD	Scientific Drilling
10/10/2012	1,770.00	25.20	91.54	IncAzi-MWD	Scientific Drilling
10/10/2012	1,833.00	25.76	91.46	IncAzi-MWD	Scientific Drilling
10/10/2012	1,896.00	26.36	90.62	IncAzi-MWD	Scientific Drilling
10/10/2012	1,960.00	26.66	90.41	IncAzi-MWD	Scientific Drilling
10/10/2012	2,023.00	26.93	89.38	IncAzi-MWD	Scientific Drilling
10/10/2012	2,086.00	26.76	89.12	IncAzi-MWD	Scientific Drilling
10/10/2012	2,149.00	26.93	88.84	IncAzi-MWD	Scientific Drilling
10/10/2012	2,212.00	26.36	89.23	IncAzi-MWD	Scientific Drilling
10/10/2012	2,276.00	25.94	89.78	IncAzi-MWD	Scientific Drilling
10/10/2012	2,339.00	25.86	88.60	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

PUBCO FEDERAL GAS COM #1F

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
10/10/2012	2,402.00	25.34	88.74	IncAzi-MWD	Scientific Drilling
10/10/2012	2,464.00	25.16	88.12	IncAzi-MWD	Scientific Drilling
10/10/2012	2,528.00	24.90	88.93	IncAzi-MWD	Scientific Drilling
10/10/2012	2,591.00	25.05	90.88	IncAzi-MWD	Scientific Drilling
10/10/2012	2,654.00	25.91	91.82	IncAzi-MWD	Scientific Drilling
10/10/2012	2,717.00	25.31	94.11	IncAzi-MWD	Scientific Drilling
10/10/2012	2,781.00	24.84	93.66	IncAzi-MWD	Scientific Drilling
10/10/2012	2,844.00	23.44	92.18	IncAzi-MWD	Scientific Drilling
10/10/2012	2,908.00	21.77	90.88	IncAzi-MWD	Scientific Drilling
10/10/2012	2,971.00	21.28	91.13	IncAzi-MWD	Scientific Drilling
10/10/2012	3,035.00	21.17	92.68	IncAzi-MWD	Scientific Drilling
10/10/2012	3,097.00	19.99	91.74	IncAzi-MWD	Scientific Drilling
10/10/2012	3,160.00	19.67	91.65	IncAzi-MWD	Scientific Drilling
10/10/2012	3,224.00	18.61	92.50	IncAzi-MWD	Scientific Drilling
10/11/2012	3,287.00	18.79	90.29	IncAzi-MWD	Scientific Drilling
10/11/2012	3,350.00	18.78	89.38	IncAzi-MWD	Scientific Drilling
10/11/2012	3,413.00	19.26	91.47	IncAzi-MWD	Scientific Drilling
10/11/2012	3,477.00	20.05	92.38	IncAzi-MWD	Scientific Drilling
10/11/2012	3,540.00	20.49	92.60	IncAzi-MWD	Scientific Drilling
10/11/2012	3,603.00	20.43	93.71	IncAzi-MWD	Scientific Drilling
10/11/2012	3,667.00	20.71	93.73	IncAzi-MWD	Scientific Drilling
10/11/2012	3,730.00	22.07	92.16	IncAzi-MWD	Scientific Drilling
10/11/2012	3,794.00	21.98	91.28	IncAzi-MWD	Scientific Drilling
10/11/2012	3,857.00	21.41	90.60	IncAzi-MWD	Scientific Drilling
10/11/2012	3,920.00	21.09	90.11	IncAzi-MWD	Scientific Drilling
10/11/2012	3,982.00	20.10	91.43	IncAzi-MWD	Scientific Drilling
10/11/2012	4,046.00	16.71	91.85	IncAzi-MWD	Scientific Drilling
10/11/2012	4,109.00	14.18	90.84	IncAzi-MWD	Scientific Drilling
10/11/2012	4,171.00	13.03	90.06	IncAzi-MWD	Scientific Drilling
10/11/2012	4,234.00	12.79	90.00	IncAzi-MWD	Scientific Drilling
10/11/2012	4,279.00	11.43	89.43	IncAzi-MWD	Scientific Drilling
10/11/2012	4,360.00	10.25	87.72	IncAzi-MWD	Scientific Drilling
10/11/2012	4,424.00	8.75	85.43	IncAzi-MWD	Scientific Drilling
10/11/2012	4,487.00	7.34	87.57	IncAzi-MWD	Scientific Drilling
10/11/2012	4,550.00	4.96	92.30	IncAzi-MWD	Scientific Drilling
10/11/2012	4,581.00	4.12	92.78	IncAzi-MWD	Scientific Drilling
10/11/2012	4,613.00	2.96	90.84	IncAzi-MWD	Scientific Drilling
10/12/2012	4,664.00	1.76	96.26	IncAzi-MWD	Scientific Drilling
10/12/2012	4,720.00	0.44	102.21	Projection	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
10/25/2012	7,310.00	2.00		Inc-WL	Phoenix Services LLC
10/17/2012	7,360.00	0.00		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.

Cara Blais 11/15/12

Subscribed and sworn to me this 11/15/12

Maria J. Hernandez
Notary Public in and for San Juan County, New Mexico

My Commission expires April 14



RCVD DEC 13 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)
SEC 14-T30N-R11W
Pubco Federal Gas Com 1F

OH

ADI # 3004535369

Design: OH

Standard Survey Report

17 October, 2012

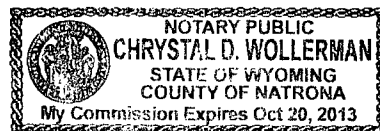
This survey is correct to the best of my knowledge and is supported by actual field data.

Cara Blais

Notarized this date 18th of October, 2012.

Chrystal D. Wollerman

Notary Signature
County of Natrona
State of Wyoming



Scientific Drilling

ConocoPhillips

Project: SJB (NM West)
 Site: SEC 14-T30N-R11W
 Well: Pubco Federal Gas Com 1F
 Wellbore: OH
 Design: OH



Scientific Drilling

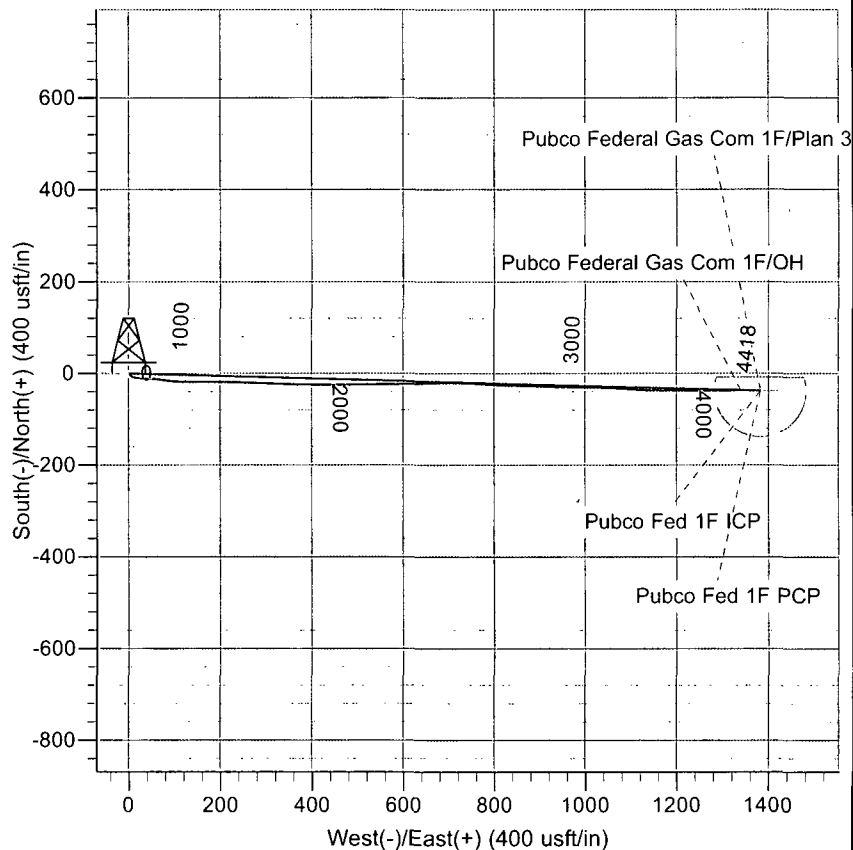
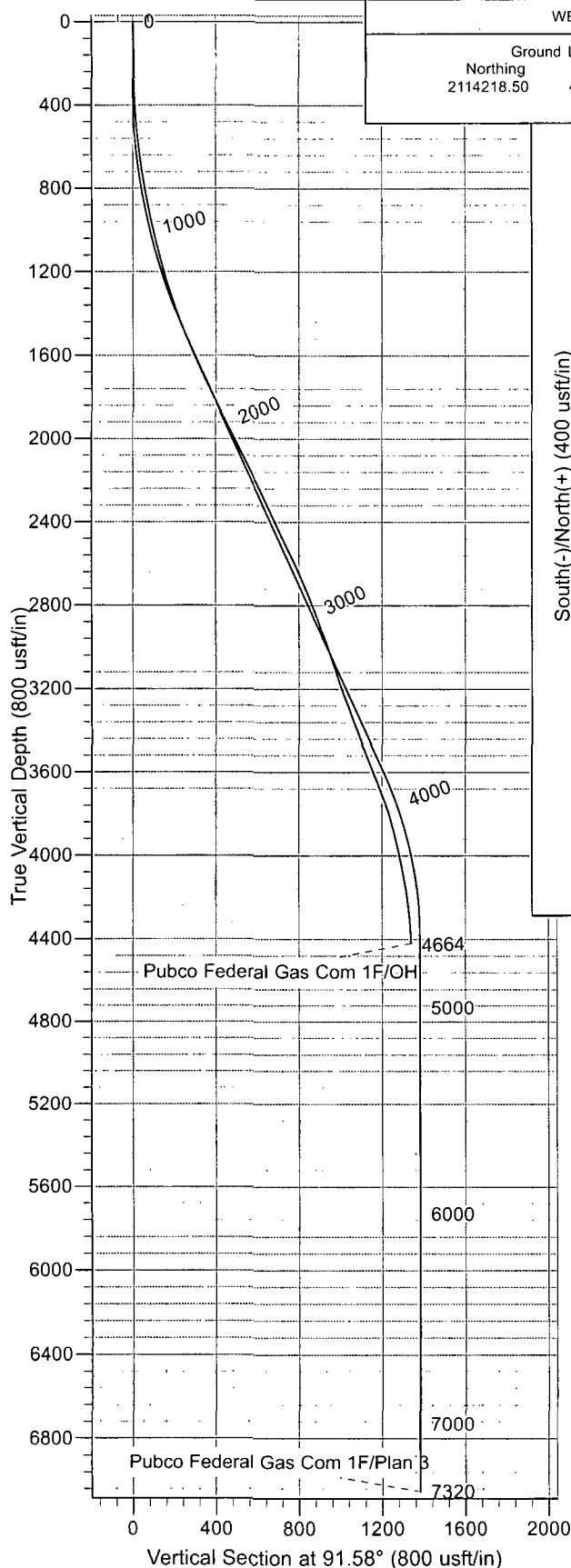


Azimuths to True North
 Magnetic North: 9.87°

Magnetic Field
 Strength: 50571.0snT
 Dip Angle: 63.44°
 Date: 2012/10/04
 Model: BGGM2012

WELL DETAILS: Pubco Federal Gas Com 1F

Ground Level: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
 Northing 2114218.50 Easting 461901.45 Latitude 36° 48' 36.922 N Longitude 107° 57' 48.522 W



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Pubco Federal Gas Com 1F, True North
 Vertical (TVD) Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
 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
Project: SJB (NM West)
Site: SEC 14-T30N-R11W
Well: Pubco Federal Gas Com 1F
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Pubco Federal Gas Com 1F
TVD Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
MD Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: FarmingtonDatabase

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 14-T30N-R11W				
Site Position:		Northing:	2,114,225.52 usft	Latitude:	36° 48' 36.990 N
From:	Lat/Long	Easting:	461,797.05 usft	Longitude:	107° 57' 49.806 W
Position Uncertainty:	15.0 usft	Slot Radius:	6-1/8 "	Grid Convergence:	-0.08 °

Well	Pubco Federal Gas Com 1F, 1936' FSL 1579' FWL					
Well Position	+N/-S	0.0 usft	Northing:	2,114,218.50 usft	Latitude:	36° 48' 36.922 N
	+E/-W	0.0 usft	Easting:	461,901.45 usft	Longitude:	107° 57' 48.522 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	5,973.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2012	2012/10/04	9.87	63.44	50,571

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	91.58

Survey Program	Date	2012/10/17			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
270.0	4,664.0	Survey #1 (OH)	MWD SDI	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
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
270.0	2.39	137.53	269.9	-4.2	3.8	3.9	0.89	0.89	0.00
First SDI MWD Survey									
331.0	2.72	131.47	330.9	-6.0	5.7	5.9	0.70	0.54	-9.93
392.0	3.45	114.01	391.8	-7.8	8.5	8.7	1.94	1.20	-28.62
454.0	4.44	104.12	453.6	-9.1	12.5	12.8	1.93	1.60	-15.95
515.0	5.39	99.54	514.4	-10.2	17.7	17.9	1.68	1.56	-7.51
577.0	6.19	92.06	576.1	-10.8	23.9	24.2	1.77	1.29	-12.06
639.0	7.70	89.92	637.6	-10.9	31.4	31.6	2.47	2.44	-3.45
700.0	8.77	91.48	698.0	-11.0	40.1	40.4	1.79	1.75	2.56
762.0	9.65	95.69	759.2	-11.6	50.0	50.3	1.79	1.42	6.79

Company: ConocoPhillips
Project: SJB (NM West)
Site: SEC 14-T30N-R11W
Well: Pubco Federal Gas Com 1F
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Pubco Federal Gas Com 1F
TVD Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
MD Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: FarmingtonDatabase

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)
823.0	10.53	96.68	819.3	-12.8	60.6	60.9	1.47	1.44	1.62
886.0	11.02	98.98	881.1	-14.4	72.3	72.6	1.03	0.78	3.65
949.0	11.66	97.39	942.9	-16.1	84.5	85.0	1.13	1.02	-2.52
1,012.0	12.25	94.26	1,004.5	-17.5	97.5	98.0	1.39	0.94	-4.97
1,075.0	13.55	92.20	1,066.0	-18.2	111.6	112.0	2.19	2.06	-3.27
1,137.0	14.59	92.06	1,126.1	-18.8	126.6	127.1	1.68	1.68	-0.23
1,200.0	16.01	90.92	1,186.9	-19.2	143.2	143.7	2.30	2.25	-1.81
1,263.0	17.34	89.99	1,247.2	-19.4	161.3	161.8	2.15	2.11	-1.48
1,326.0	18.55	88.27	1,307.1	-19.1	180.7	181.2	2.10	1.92	-2.73
1,390.0	19.62	89.76	1,367.6	-18.7	201.6	202.1	1.84	1.67	2.33
1,454.0	20.97	91.55	1,427.7	-19.0	223.8	224.3	2.32	2.11	2.80
1,517.0	21.88	92.29	1,486.3	-19.7	246.8	247.3	1.51	1.44	1.17
1,581.0	23.44	92.10	1,545.4	-20.7	271.5	271.9	2.44	2.44	-0.30
1,644.0	24.59	92.18	1,602.9	-21.6	297.1	297.6	1.83	1.83	0.13
1,708.0	24.69	92.17	1,661.1	-22.7	323.8	324.3	0.16	0.16	-0.02
1,770.0	25.20	91.54	1,717.3	-23.5	349.9	350.4	0.93	0.82	-1.02
1,833.0	25.76	91.46	1,774.2	-24.2	377.0	377.5	0.89	0.89	-0.13
1,896.0	26.36	90.62	1,830.8	-24.7	404.7	405.2	1.12	0.95	-1.33
1,960.0	26.66	90.41	1,888.0	-25.0	433.2	433.7	0.49	0.47	-0.33
2,023.0	26.93	89.38	1,944.3	-24.9	461.6	462.1	0.85	0.43	-1.63
2,086.0	26.76	89.12	2,000.5	-24.5	490.1	490.6	0.33	-0.27	-0.41
2,149.0	26.93	88.84	2,056.7	-24.0	518.5	519.0	0.34	0.27	-0.44
2,212.0	26.36	89.23	2,113.0	-23.6	546.8	547.2	0.95	-0.90	0.62
2,276.0	25.94	89.78	2,170.4	-23.3	575.0	575.4	0.76	-0.66	0.86
2,339.0	25.86	88.60	2,227.1	-22.9	602.5	602.9	0.83	-0.13	-1.87
2,402.0	25.34	88.74	2,283.9	-22.3	629.7	630.1	0.83	-0.83	0.22
2,464.0	25.16	88.12	2,340.0	-21.6	656.1	656.5	0.52	-0.29	-1.00
2,528.0	24.90	88.93	2,398.0	-20.9	683.2	683.5	0.67	-0.41	1.27
2,591.0	25.05	90.88	2,455.1	-20.8	709.8	710.1	1.33	0.24	3.10
2,654.0	25.91	91.82	2,512.0	-21.5	736.9	737.2	1.51	1.37	1.49
2,717.0	25.31	94.11	2,568.8	-22.9	764.1	764.4	1.84	-0.95	3.63
2,781.0	24.84	93.66	2,626.8	-24.7	791.1	791.5	0.79	-0.73	-0.70
2,844.0	23.44	92.18	2,684.2	-26.0	816.9	817.3	2.42	-2.22	-2.35
2,908.0	21.77	90.88	2,743.3	-26.7	841.5	841.9	2.72	-2.61	-2.03
2,971.0	21.28	91.13	2,801.9	-27.1	864.6	865.0	0.79	-0.78	0.40
3,035.0	21.17	92.68	2,861.6	-27.9	887.7	888.2	0.89	-0.17	2.42
3,097.0	19.99	91.74	2,919.6	-28.7	909.5	909.9	1.98	-1.90	-1.52
3,160.0	19.67	91.65	2,978.9	-29.4	930.9	931.3	0.51	-0.51	-0.14
3,224.0	18.61	92.50	3,039.4	-30.1	951.8	952.3	1.71	-1.66	1.33
3,287.0	18.79	90.29	3,099.0	-30.6	972.0	972.5	1.16	0.29	-3.51
3,350.0	18.78	89.38	3,158.7	-30.5	992.3	992.8	0.47	-0.02	-1.44
3,413.0	19.26	91.47	3,218.2	-30.7	1,012.8	1,013.3	1.32	0.76	3.32
3,477.0	20.05	92.38	3,278.5	-31.4	1,034.4	1,034.8	1.32	1.23	1.42

Company: ConocoPhillips
Project: SJB (NM West)
Site: SEC 14-T30N-R11W
Well: Pubco Federal Gas Com 1F
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Pubco Federal Gas Com 1F
TVD Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
MD Reference: GL 5973' & KB 15' @ 5988.0usft (AWS 730)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: FarmingtonDatabase

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)
3,540.0	20.49	92.60	3,337.6	-32.4	1,056.2	1,056.6	0.71	0.70	0.35
3,603.0	20.43	93.71	3,396.6	-33.6	1,078.1	1,078.7	0.62	-0.10	1.76
3,667.0	20.71	93.73	3,456.6	-35.0	1,100.6	1,101.1	0.44	0.44	0.03
3,730.0	22.07	92.16	3,515.2	-36.2	1,123.5	1,124.1	2.34	2.16	-2.49
3,794.0	21.98	91.28	3,574.5	-36.9	1,147.5	1,148.1	0.53	-0.14	-1.38
3,857.0	21.41	90.60	3,633.1	-37.3	1,170.8	1,171.4	0.99	-0.90	-1.08
3,920.0	21.09	90.11	3,691.8	-37.5	1,193.6	1,194.2	0.58	-0.51	-0.78
3,982.0	20.10	91.34	3,749.8	-37.7	1,215.4	1,216.0	1.74	-1.60	1.98
4,046.0	16.71	91.85	3,810.6	-38.3	1,235.6	1,236.2	5.30	-5.30	0.80
4,109.0	14.18	90.84	3,871.3	-38.7	1,252.4	1,253.0	4.04	-4.02	-1.60
4,171.0	13.03	90.06	3,931.5	-38.8	1,267.0	1,267.6	1.88	-1.85	-1.26
4,234.0	12.79	90.00	3,992.9	-38.8	1,281.1	1,281.6	0.38	-0.38	-0.10
4,297.0	11.43	89.43	4,054.5	-38.8	1,294.3	1,294.9	2.17	-2.16	-0.90
4,360.0	10.25	87.72	4,116.4	-38.5	1,306.1	1,306.7	1.94	-1.87	-2.71
4,424.0	8.75	85.43	4,179.5	-37.9	1,316.7	1,317.2	2.42	-2.34	-3.58
4,487.0	7.34	87.57	4,241.9	-37.3	1,325.5	1,326.0	2.29	-2.24	3.40
4,550.0	4.96	92.30	4,304.5	-37.2	1,332.2	1,332.7	3.86	-3.78	7.51
4,581.0	4.12	92.78	4,335.4	-37.3	1,334.7	1,335.2	2.71	-2.71	1.55
4,613.0	2.96	90.84	4,367.4	-37.4	1,336.6	1,337.2	3.64	-3.63	-6.06
4,664.0	1.76	96.26	4,418.3	-37.5	1,338.7	1,339.3	2.39	-2.35	10.63

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		
		+N/-S (usft)	+E/-W (usft)	Comment
270.0	269.9	-4.2	3.8	First SDI MWD Survey
4,664.0	4,418.3	-37.5	1,338.7	Last SDI MWD Survey

Checked By: _____ Approved By: _____ Date: _____