

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

DISTRICT II
1301 W. 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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised July 16, 2010

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

AS DRILLED PLAT

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35359		*Pool Code 72319/71599/97232		*Pool Name BASIN BASIN MESA VERDE / DAKOTA / MANCOS	
*Property Code 18607		*Property Name REID			*Well Number 22M
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			*Elevation 6011

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
M	8	28 N	9 W		990	SOUTH	915	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

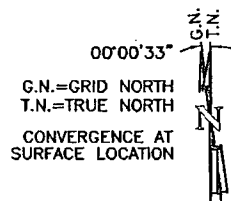
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	28 N	9 W		762'	SOUTH	1918'	WEST	SAN JUAN

¹² Dedicated Acres 345.25	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-1814	RCVD JAN 11 '13 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

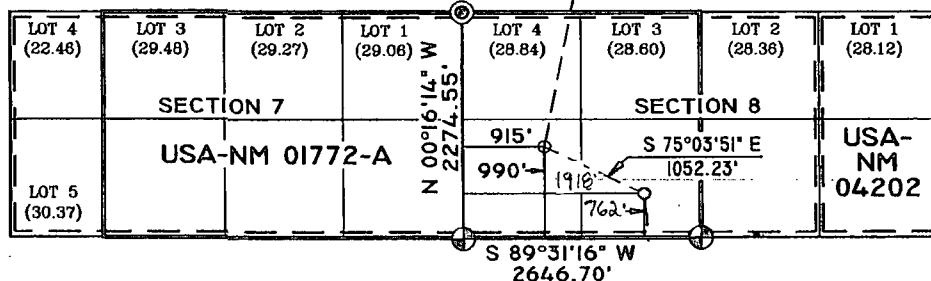
16

BEARINGS & DISTANCES SHOWN
ARE REFERENCED TO THE
NEW MEXICO COORDINATE
SYSTEM, WEST ZONE, NAD 83,
UNLESS OTHERWISE NOTED.



SURFACE

LAT: 36.6719089° N
LONG: 107.8179544° W
NAD 83
LAT: 36°40.31414' N
LONG: 107°49.04025' W
NAD 27



LEGEND:

- = SURFACE LOCATION
- ⊙ = BOTTOM HOLE LOCATION
- ⊕ = FOUND 1916 U.S.G.L.O. BRASS CAP
- ⊗ = FOUND 1916 U.S.G.L.O. BRASS CAP (CC)

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 1-10-13
Signature Date

Arleen White
Printed Name
arleen.r.white@conocophillips.com
E-mail Address

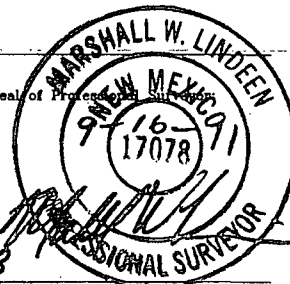
18 SURVEYOR CERTIFICATION

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.

8/19/11

Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number

AV

Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP	Legal WellName REID #22M	API / UWI 3004535359	County SAN JUAN	State/Province NEW MEXICO
Surface Legal Location 008-028N-009W-M	N/S Dist (ft) 990.00	N/S Ref FSL	E/W Dist (ft) 915.00	E/W Ref FWL

Survey Data					
Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
10/8/2012	0.00	0.00	0.00	IncAzi-MWD	Scientific Drilling
9/21/2012	130.00	0.75		Inc-WL	Mo Te Drilling Inc
9/21/2012	235.00	1.00		Inc-WL	Mo Te Drilling Inc
10/8/2012	328.00	0.92	294.48	IncAzi-MWD	Scientific Drilling
10/8/2012	358.00	0.83	305.42	IncAzi-MWD	Scientific Drilling
10/8/2012	389.00	0.38	319.02	IncAzi-MWD	Scientific Drilling
10/8/2012	420.00	0.36	117.50	IncAzi-MWD	Scientific Drilling
10/8/2012	450.00	1.18	110.54	IncAzi-MWD	Scientific Drilling
10/8/2012	481.00	1.81	106.79	IncAzi-MWD	Scientific Drilling
10/8/2012	511.00	2.22	104.63	IncAzi-MWD	Scientific Drilling
10/8/2012	542.00	2.96	104.40	IncAzi-MWD	Scientific Drilling
10/8/2012	572.00	3.80	106.03	IncAzi-MWD	Scientific Drilling
10/8/2012	603.00	4.54	106.32	IncAzi-MWD	Scientific Drilling
10/8/2012	634.00	4.99	105.85	IncAzi-MWD	Scientific Drilling
10/8/2012	665.00	5.72	105.58	IncAzi-MWD	Scientific Drilling
10/8/2012	696.00	6.46	106.71	IncAzi-MWD	Scientific Drilling
10/8/2012	726.00	7.14	107.37	IncAzi-MWD	Scientific Drilling
10/8/2012	757.00	7.90	107.43	IncAzi-MWD	Scientific Drilling
10/8/2012	788.00	8.80	107.97	IncAzi-MWD	Scientific Drilling
10/8/2012	819.00	9.63	107.77	IncAzi-MWD	Scientific Drilling
10/8/2012	850.00	10.42	106.27	IncAzi-MWD	Scientific Drilling
10/8/2012	880.00	10.98	106.18	IncAzi-MWD	Scientific Drilling
10/8/2012	910.00	11.55	106.67	IncAzi-MWD	Scientific Drilling
10/8/2012	941.00	12.32	105.90	IncAzi-MWD	Scientific Drilling
10/8/2012	972.00	12.95	106.02	IncAzi-MWD	Scientific Drilling
10/8/2012	1,003.00	13.88	104.75	IncAzi-MWD	Scientific Drilling
10/8/2012	1,038.00	14.58	103.82	IncAzi-MWD	Scientific Drilling
10/8/2012	1,070.00	15.04	103.17	IncAzi-MWD	Scientific Drilling
10/9/2012	1,102.00	15.63	103.96	IncAzi-MWD	Scientific Drilling
10/9/2012	1,133.00	16.34	104.45	IncAzi-MWD	Scientific Drilling
10/9/2012	1,165.00	17.33	104.52	IncAzi-MWD	Scientific Drilling
10/9/2012	1,196.00	17.79	104.51	IncAzi-MWD	Scientific Drilling
10/10/2012	1,228.00	18.35	104.70	IncAzi-MWD	Scientific Drilling
10/10/2012	1,260.00	18.99	104.92	IncAzi-MWD	Scientific Drilling
10/10/2012	1,323.00	20.11	104.31	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

REID #22M

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	Method	Survey Company
10/10/2012	1,387.00	20.14	104.35	IncAzi-MWD	Scientific Drilling
10/10/2012	1,449.00	20.23	103.80	IncAzi-MWD	Scientific Drilling
10/10/2012	1,513.00	20.84	103.53	IncAzi-MWD	Scientific Drilling
10/10/2012	1,576.00	21.45	102.55	IncAzi-MWD	Scientific Drilling
10/10/2012	1,640.00	21.64	102.83	IncAzi-MWD	Scientific Drilling
10/10/2012	1,703.00	22.26	102.26	IncAzi-MWD	Scientific Drilling
10/9/2012	1,766.00	22.85	101.26	IncAzi-MWD	Scientific Drilling
10/10/2012	1,830.00	22.56	102.54	IncAzi-MWD	Scientific Drilling
10/10/2012	1,893.00	21.76	103.63	IncAzi-MWD	Scientific Drilling
10/10/2012	1,957.00	20.76	105.91	IncAzi-MWD	Scientific Drilling
10/10/2012	2,020.00	20.40	105.23	IncAzi-MWD	Scientific Drilling
10/10/2012	2,084.00	20.74	104.11	IncAzi-MWD	Scientific Drilling
10/10/2012	2,147.00	20.54	102.43	IncAzi-MWD	Scientific Drilling
10/10/2012	2,209.00	20.35	101.70	IncAzi-MWD	Scientific Drilling
10/10/2012	2,272.00	19.74	100.63	IncAzi-MWD	Scientific Drilling
10/10/2012	2,336.00	19.49	100.60	IncAzi-MWD	Scientific Drilling
10/10/2012	2,399.00	19.95	102.85	IncAzi-MWD	Scientific Drilling
10/10/2012	2,462.00	21.29	103.73	IncAzi-MWD	Scientific Drilling
10/10/2012	2,525.00	21.22	102.63	IncAzi-MWD	Scientific Drilling
10/10/2012	2,588.00	20.81	101.14	IncAzi-MWD	Scientific Drilling
10/10/2012	2,651.00	19.53	101.06	IncAzi-MWD	Scientific Drilling
10/10/2012	2,714.00	19.64	101.04	IncAzi-MWD	Scientific Drilling
10/10/2012	2,777.00	18.95	102.91	IncAzi-MWD	Scientific Drilling
10/10/2012	2,840.00	18.65	101.90	IncAzi-MWD	Scientific Drilling
10/10/2012	2,904.00	18.03	103.00	IncAzi-MWD	Scientific Drilling
10/10/2012	2,967.00	17.58	102.60	IncAzi-MWD	Scientific Drilling
10/10/2012	3,030.00	17.04	102.90	IncAzi-MWD	Scientific Drilling
10/10/2012	3,093.00	17.89	103.45	IncAzi-MWD	Scientific Drilling
10/10/2012	3,157.00	18.47	103.84	IncAzi-MWD	Scientific Drilling
10/10/2012	3,220.00	18.73	104.15	IncAzi-MWD	Scientific Drilling
10/10/2012	3,283.00	17.84	102.88	IncAzi-MWD	Scientific Drilling
10/11/2012	3,347.00	16.53	102.24	IncAzi-MWD	Scientific Drilling
10/11/2012	3,410.00	15.46	101.32	IncAzi-MWD	Scientific Drilling
10/11/2012	3,474.00	16.11	101.89	IncAzi-MWD	Scientific Drilling
10/11/2012	3,536.00	15.96	101.87	IncAzi-MWD	Scientific Drilling
10/11/2012	3,598.00	15.99	101.47	IncAzi-MWD	Scientific Drilling
10/11/2012	3,662.00	15.76	100.44	IncAzi-MWD	Scientific Drilling
10/11/2012	3,725.00	13.95	101.55	IncAzi-MWD	Scientific Drilling
10/11/2012	3,789.00	12.07	100.20	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 (RKB)	Incl (°)	Azm (°)	Method	Survey Company
10/11/2012	3,851.00	10.85	100.51	IncAzi-MWD	Scientific Drilling
10/11/2012	3,914.00	8.43	102.50	IncAzi-MWD	Scientific Drilling
10/11/2012	3,946.00	7.82	100.31	IncAzi-MWD	Scientific Drilling
10/11/2012	3,978.00	7.84	98.77	IncAzi-MWD	Scientific Drilling
10/11/2012	4,041.00	7.47	99.56	IncAzi-MWD	Scientific Drilling
10/11/2012	4,105.00	6.70	99.18	IncAzi-MWD	Scientific Drilling
10/11/2012	4,168.00	4.81	98.17	IncAzi-MWD	Scientific Drilling
10/11/2012	4,231.00	3.11	89.63	IncAzi-MWD	Scientific Drilling
10/11/2012	4,249.00	2.80	83.01	IncAzi-MWD	Scientific Drilling
10/25/2012	6,960.00	3.00		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 12/14/12

Notary Public in and for San Juan County, New Mexico

My Commission expires 2/8/16



RCVD JAN 11 '13
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM West)

SEC 09-T28N-R9W

Reid 22M

30.045-35359

OH

Design: OH

Standard Survey Report

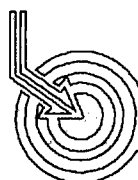
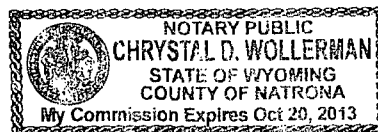
11 October, 2012

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

Notarized this date 11th of October, 2012.

Crystal D Wollerman

Notary Signature
County of Natrona
State of Wyoming



Scientific Drilling



Project: SJB (NM West)
Site: SEC 09-T28N-R9W
Well: Reid 22M
Wellbore: OH
Design: OH



Scientific Drilling

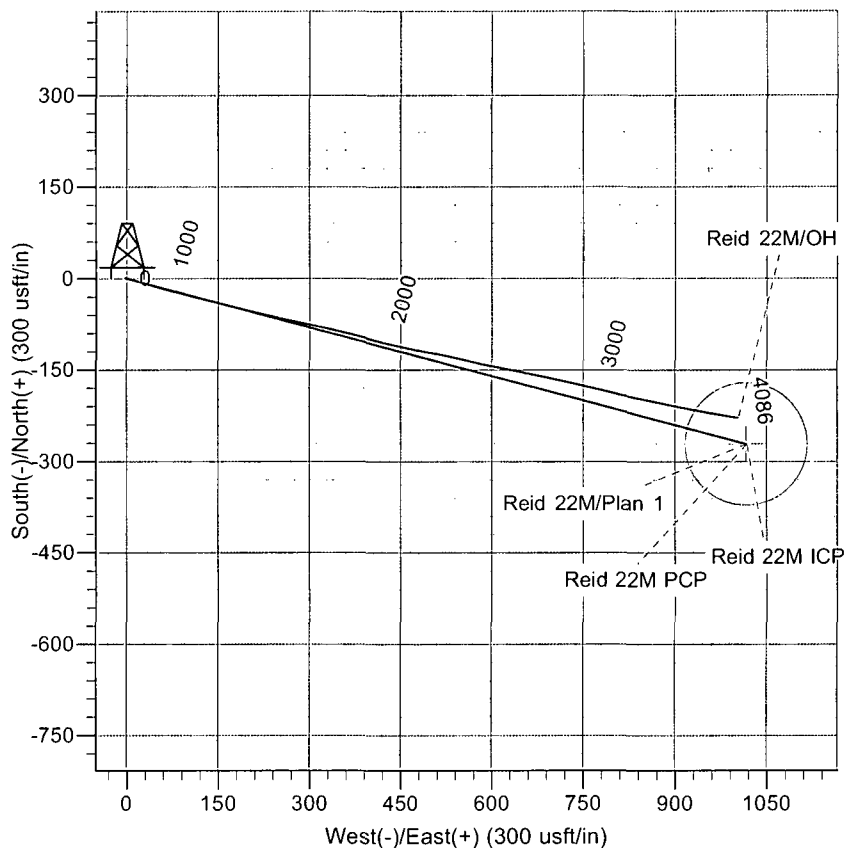
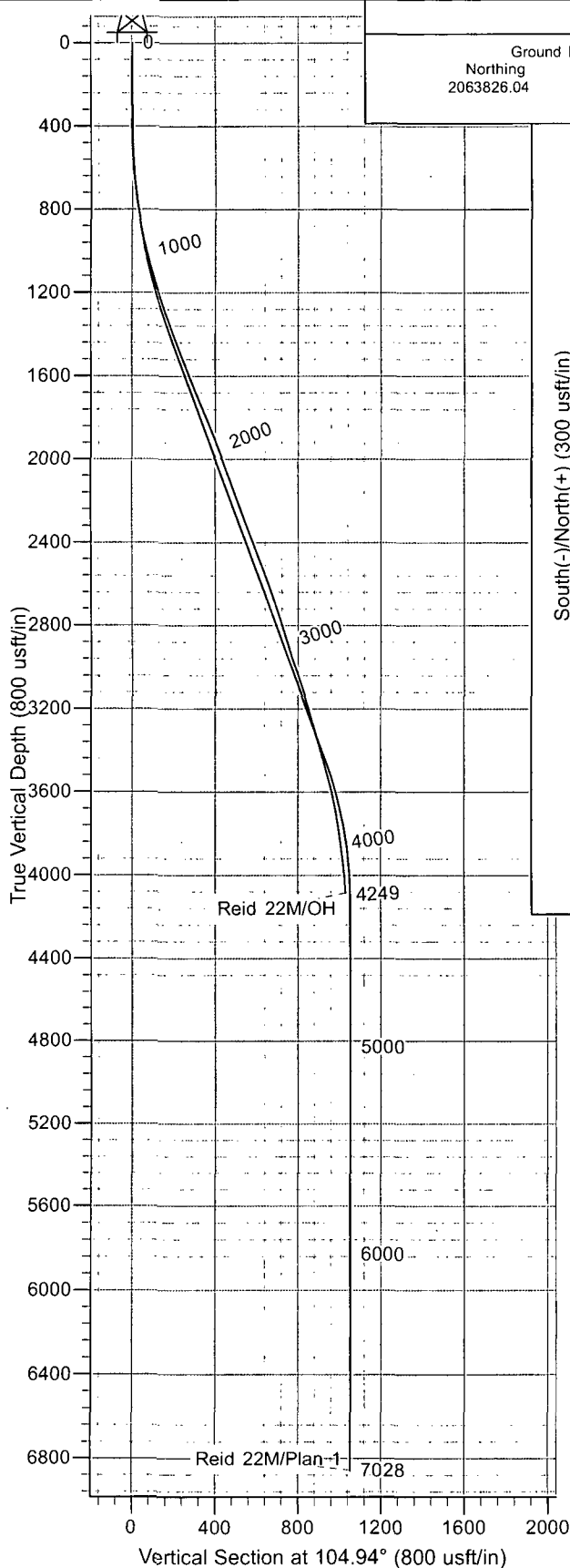


Azimuths to True North
Magnetic North: 9.79°

Magnetic Field
Strength: 50514.0snT
Dip Angle: 63.35°
Date: 2012/09/27
Model: BGGM2012

WELL DETAILS: Reid 22M

Ground Level: GL 6011' & KB 15' @ 6026.0usft (AWS 711)
Northing: 2063826.04 Easting: 504691.02 Latitude: 36° 40' 18.848 N Longitude: 107° 49' 2.415 W



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Reid 22M, True North
Vertical (TVD) Reference: GL 6011' & KB 15' @ 6026.0usft (AWS 711)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: GL 6011' & KB 15' @ 6026.0usft (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 Reid 22M
Project:	SJB (NM West)	TVD Reference:	GL 6011' & KB 15' @ 6026.0usft (AWS 711)
Site:	SEC 09-T28N-R9W	MD Reference:	GL 6011' & KB 15' @ 6026.0usft (AWS 711)
Well:	Reid 22M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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 09-T28N-R9W		
Site Position:		Northing:	2,063,826.03 usft
From:	Lat/Long	Easting:	504,691.02 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	36° 40' 18.848 N
		Longitude:	107° 49' 2.415 W
		Grid Convergence:	0.01 °

Well	Reid 22M, 990' FSL 915' FWL		
Well Position	+N/-S	0.0 usft	Northing: 2,063,826.03 usft
	+E/-W	0.0 usft	Easting: 504,691.02 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	36° 40' 18.848 N
		Longitude:	107° 49' 2.415 W
		Ground Level:	6,011.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2012	2012/09/27	9.79	63.35	50,514

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	104.94	

Survey Program	Date	2012/10/11			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
328.0	4,249.0	Survey #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate	
(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	
328.0	0.92	294.48	328.0	1.1	-2.4	-2.6	0.28	0.28	0.00	
First SDI MWD Survey										
358.0	0.83	305.42	358.0	1.3	-2.8	-3.0	0.63	-0.30	36.47	
389.0	0.38	319.02	389.0	1.5	-3.0	-3.3	1.51	-1.45	43.87	
420.0	0.36	117.50	420.0	1.6	-3.0	-3.3	2.35	-0.06	511.23	
450.0	1.18	110.54	450.0	1.4	-2.7	-2.9	2.75	2.73	-23.20	
481.0	1.81	106.79	481.0	1.2	-1.9	-2.1	2.06	2.03	-12.10	
511.0	2.22	104.63	510.9	0.9	-0.9	-1.1	1.39	1.37	-7.20	
542.0	2.96	104.40	541.9	0.5	0.5	0.3	2.39	2.39	-0.74	
572.0	3.80	106.03	571.9	0.1	2.2	2.1	2.82	2.80	5.43	

Company: ConocoPhillips
Project: SJB (NM West)
Site: SEC 09-T28N-R9W
Well: Reid 22M
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Reid 22M
TVD Reference: GL 6011' & KB 15' @ 6026.0usft (AWS 711)
MD Reference: GL 6011' & KB 15' @ 6026.0usft (AWS 711)
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)
603.0	4.54	106.32	602.8	-0.6	4.4	4.4	2.39	2.39	0.94
634.0	4.99	105.85	633.7	-1.3	6.8	6.9	1.46	1.45	-1.52
665.0	5.72	105.58	664.5	-2.1	9.6	9.8	2.36	2.35	-0.87
696.0	6.46	106.71	695.4	-3.0	12.8	13.1	2.42	2.39	3.65
726.0	7.14	107.37	725.2	-4.0	16.2	16.7	2.28	2.27	2.20
757.0	7.90	107.43	755.9	-5.2	20.0	20.7	2.45	2.45	0.19
788.0	8.80	107.97	786.6	-6.6	24.3	25.2	2.91	2.90	1.74
819.0	9.63	107.77	817.2	-8.1	29.1	30.2	2.68	2.68	-0.65
850.0	10.42	106.27	847.7	-9.7	34.2	35.6	2.68	2.55	-4.84
880.0	10.98	106.18	877.2	-11.3	39.6	41.1	1.87	1.87	-0.30
910.0	11.55	106.67	906.6	-12.9	45.2	47.0	1.93	1.90	1.63
941.0	12.32	105.90	936.9	-14.7	51.3	53.4	2.54	2.48	-2.48
972.0	12.95	106.02	967.2	-16.6	57.9	60.2	2.03	2.03	0.39
1,003.0	13.88	104.75	997.3	-18.5	64.8	67.4	3.15	3.00	-4.10
1,038.0	14.58	103.82	1,031.2	-20.6	73.1	76.0	2.10	2.00	-2.66
1,070.0	15.04	103.17	1,062.2	-22.5	81.1	84.2	1.53	1.44	-2.03
1,102.0	15.63	103.96	1,093.0	-24.5	89.3	92.6	1.96	1.84	2.47
1,133.0	16.34	104.45	1,122.8	-26.6	97.6	101.1	2.33	2.29	1.58
1,165.0	17.33	104.52	1,153.5	-28.9	106.6	110.4	3.09	3.09	0.22
1,196.0	17.79	104.51	1,183.0	-31.3	115.6	119.8	1.48	1.48	-0.03
1,228.0	18.35	104.70	1,213.4	-33.8	125.2	129.7	1.76	1.75	0.59
1,260.0	18.99	104.92	1,243.8	-36.4	135.1	139.9	2.01	2.00	0.69
1,323.0	20.11	104.31	1,303.1	-41.7	155.5	161.0	1.81	1.78	-0.97
1,387.0	20.14	104.35	1,363.2	-47.2	176.9	183.0	0.05	0.05	0.06
1,449.0	20.23	103.80	1,421.4	-52.4	197.6	204.4	0.34	0.15	-0.89
1,513.0	20.84	103.53	1,481.3	-57.7	219.4	226.9	0.96	0.95	-0.42
1,576.0	21.45	102.55	1,540.1	-62.8	241.6	249.6	1.12	0.97	-1.56
1,640.0	21.64	102.83	1,599.6	-68.0	264.5	273.1	0.34	0.30	0.44
1,703.0	22.26	102.26	1,658.1	-73.1	287.5	296.6	1.04	0.98	-0.90
1,766.0	22.85	101.26	1,716.2	-78.0	311.1	320.7	1.12	0.94	-1.59
1,830.0	22.56	102.54	1,775.3	-83.1	335.3	345.4	0.90	-0.45	2.00
1,893.0	21.76	103.63	1,833.6	-88.5	358.5	369.1	1.43	-1.27	1.73
1,957.0	20.76	105.91	1,893.3	-94.4	380.9	392.3	2.03	-1.56	3.56
2,020.0	20.40	105.23	1,952.3	-100.3	402.2	414.5	0.69	-0.57	-1.08
2,084.0	20.74	104.11	2,012.2	-106.0	424.0	437.0	0.81	0.53	-1.75
2,147.0	20.54	102.43	2,071.1	-111.1	445.6	459.2	0.99	-0.32	-2.67
2,209.0	20.35	101.70	2,129.2	-115.6	466.8	480.8	0.51	-0.31	-1.18
2,272.0	19.74	100.63	2,188.4	-119.8	487.9	502.3	1.13	-0.97	-1.70
2,336.0	19.49	100.60	2,248.7	-123.8	509.1	523.8	0.39	-0.39	-0.05
2,399.0	19.95	102.85	2,308.0	-128.1	529.9	545.0	1.41	0.73	3.57
2,462.0	21.29	103.73	2,367.0	-133.2	551.5	567.2	2.18	2.13	1.40
2,525.0	21.22	102.63	2,425.7	-138.4	573.7	590.0	0.64	-0.11	-1.75
2,588.0	20.81	101.14	2,484.5	-143.1	595.8	612.5	1.07	-0.65	-2.37

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well Reid 22M
Project:	SJB (NM West)	TVD Reference:	GL 6011' & KB 15' @ 6026.0usft (AWS 711)
Site:	SEC 09-T28N-R9W	MD Reference:	GL 6011' & KB 15' @ 6026.0usft (AWS 711)
Well:	Reid 22M	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	FarmingtonDatabase

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)
2,651.0	19.53	101.06	2,543.6	-147.2	617.1	634.2	2.03	-2.03	-0.13
2,714.0	19.64	101.04	2,603.0	-151.3	637.8	655.3	0.17	0.17	-0.03
2,777.0	18.95	102.91	2,662.4	-155.6	658.2	676.1	1.47	-1.10	2.97
2,840.0	18.65	101.90	2,722.1	-160.0	678.0	696.4	0.70	-0.48	-1.60
2,904.0	18.03	103.00	2,782.8	-164.3	697.7	716.5	1.11	-0.97	1.72
2,967.0	17.58	102.60	2,842.8	-168.6	716.5	735.7	0.74	-0.71	-0.63
3,030.0	17.04	102.90	2,903.0	-172.7	734.8	754.5	0.87	-0.86	0.48
3,093.0	17.89	103.45	2,963.0	-177.0	753.2	773.4	1.37	1.35	0.87
3,157.0	18.47	103.84	3,023.9	-181.7	772.6	793.3	0.93	0.91	0.61
3,220.0	18.73	104.15	3,083.6	-186.6	792.1	813.4	0.44	0.41	0.49
3,283.0	17.84	102.88	3,143.4	-191.2	811.3	833.2	1.55	-1.41	-2.02
3,347.0	16.53	102.24	3,204.5	-195.3	829.8	852.1	2.07	-2.05	-1.00
3,410.0	15.46	101.32	3,265.1	-198.9	846.7	869.4	1.75	-1.70	-1.46
3,474.0	16.11	101.89	3,326.7	-202.4	863.8	886.8	1.04	1.02	0.89
3,536.0	15.96	101.87	3,386.3	-205.9	880.6	903.9	0.24	-0.24	-0.03
3,598.0	15.99	101.47	3,445.9	-209.4	897.3	920.9	0.18	0.05	-0.65
3,662.0	15.76	100.44	3,507.4	-212.7	914.5	938.4	0.57	-0.36	-1.61
3,725.0	13.95	101.55	3,568.3	-215.8	930.3	954.5	2.91	-2.87	1.76
3,789.0	12.07	100.20	3,630.7	-218.5	944.5	968.9	2.98	-2.94	-2.11
3,851.0	10.85	100.51	3,691.4	-220.7	956.6	981.1	1.97	-1.97	0.50
3,914.0	8.43	102.50	3,753.5	-222.8	966.9	991.7	3.88	-3.84	3.16
3,946.0	7.82	100.31	3,785.2	-223.7	971.3	996.2	2.14	-1.91	-6.84
3,978.0	7.84	98.77	3,816.9	-224.4	975.6	1,000.5	0.66	0.06	-4.81
4,041.0	7.47	99.56	3,879.4	-225.7	983.9	1,008.9	0.61	-0.59	1.25
4,105.0	6.70	99.18	3,942.9	-227.0	991.7	1,016.7	1.21	-1.20	-0.59
4,168.0	4.81	98.17	4,005.5	-228.0	998.0	1,023.0	3.00	-3.00	-1.60
4,231.0	3.11	89.63	4,068.4	-228.3	1,002.3	1,027.3	2.85	-2.70	-13.56
4,249.0	2.80	83.01	4,086.4	-228.3	1,003.2	1,028.2	2.56	-1.72	-36.78

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
328.0	328.0	1.1	-2.4	First SDI MWD Survey
4,249.0	4,086.4	-228.3	1,003.2	Last SDI MWD Survey

Checked By: _____	Approved By: _____	Date: _____
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