

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

Farmington Field Office
Bureau of Land Management

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ConocoPhillips Company

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Unit D (NW/NW), 866' FNL & 621' FWL, Section 23, T32N, R7W
Bottomhole Unit D (NW/NW), 866' FNL & 710' FWL, Section 23, T32N, R7W

5. Lease Serial No.

NM-04206

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

SAN JUAN 32-7 UNIT COM

8. Well Name and No.

San Juan 32-7 Unit Com 39M

9. API Well No.

30-045-34974

10. Field and Pool or Exploratory Area

Blanco MV/Basin DK

11. Country or Parish, State

San Juan, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water Shut-Off

☐ Subsequent Report

☐ Alter Casing

☐ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Final Abandonment Notice

☐ Casing Repair

☐ New Construction

☐ Recomplete

☒ Other

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

Add BHL

☐ Convert to Injection

☐ Plug Back

☐ Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

ConocoPhillips would like to add Bottom Hole Location of 866' FNL & 710' FWL, making this a directional drill location. Attached is revised plat, well pad diagram, cut/fill diagram, topo, driving directions, project proposal, directional drill plan/plot and pipeline plat.

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

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Arleen White

Staff Regulatory Tech

Title

Signature

Arleen White

Date

12/27/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

William Tambekou

Petroleum Engineer

Title

12/28/2012

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

NMOC D IV

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-5161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1263 Fax: (575) 748-9720

DISTRICT III
1000 Rio Bravo Rd., Aztec, N.M. 87410
Phone: (505) 334-5179 Fax: (505) 334-5170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3463

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34974	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31337	⁵ Property Name SAN JUAN 32-7 UNIT COM	⁶ Well Number 39 M
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6822'

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
D	23	32N	7W		866'	NORTH	621'	WEST	SAN JUAN

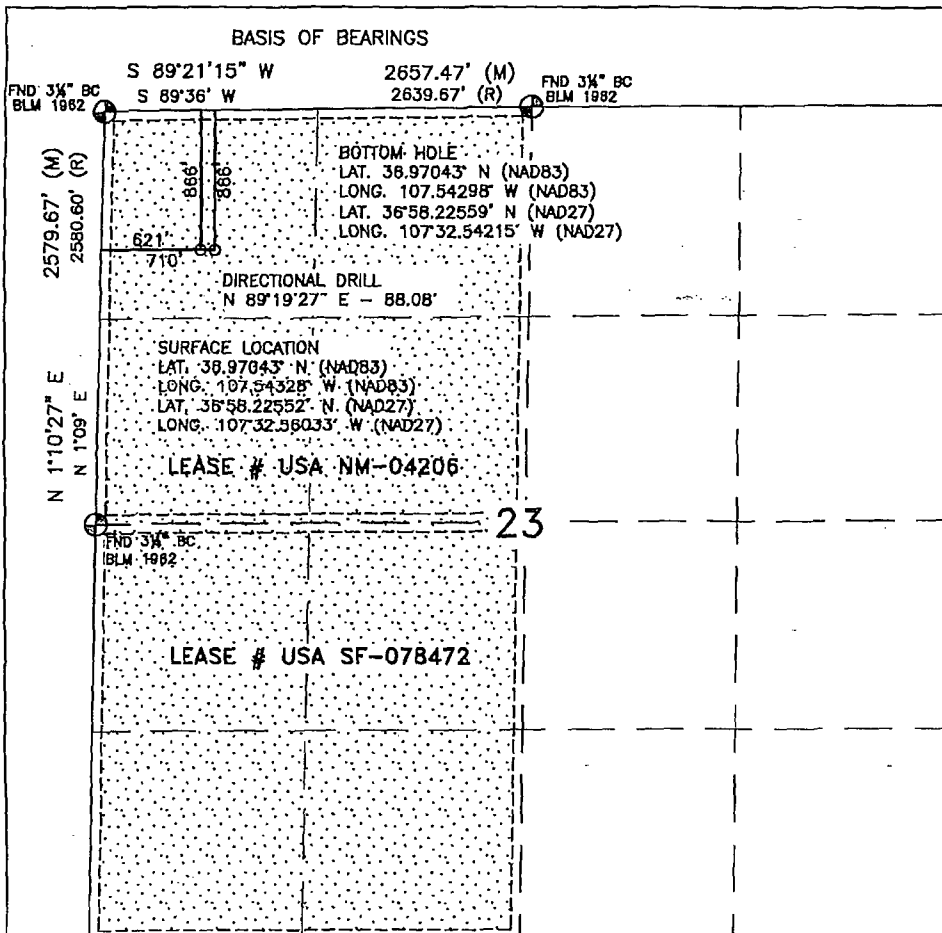
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	32N	7W		866'	NORTH	710'	WEST	SAN JUAN

¹² Dedicated Acres 320.00 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. RCVD JAN 3 '13 OIL CONS. DIV. DIST 3
---	-------------------------------	----------------------------------	---

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.

Arleen White 12/27/12
Signature Date

Arleen White
Printed Name

arleen.r.white@conocophillips.com

E-mail Address

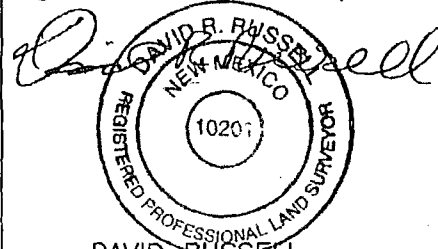
¹⁸ SURVEYOR CERTIFICATION

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.

APRIL 14, 2008

Date of Survey

Signature and Seal of Professional Surveyor:



DAVID RUSSELL

Certificate Number

10201

CONOCOPHILLIPS COMPANY

SAN JUAN 32-7 UNIT COM #39 M
866' FNL & 621' FWL
LOCATED IN THE NW/4 NW/4 OF SECTION 23,
T32N, R7W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 151 AND CR 328 IN COLORAD, GO SOUTH ON CR 328, 2.8 MILES TO NEW MEXICO STATELINE.
- 2) FROM THERE COLORADO CR328 BECOMES NEW MEXICO CR 4010. STAY ON CR 4010 2.5 MILES.
- 3) GO SOUTH ON ROAD FOR 250', TURN RIGHT, GO 0.3 MILES TO BEGIN ACCESS ON RIGHT.
- 4) TURN RIGHT, FOLLOW RED FLAGGING 191' TO LOCATION.

WELL FLAG LOCATED AT 36.97043°N, LONG. 107.54328° W (NAD 83)



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-7 UNIT COM 39M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7502				AFE \$: 1,444,970.80	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #: 3004534974
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F (Charles)		Phone: +1-505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: +1-505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code NAD 27 Directional							
Latitude: 36.970425	Longitude: -107.542672	X:	Y:	Section: 23		Range: 007W	
Footage X: 621 FWL		Footage Y: 866 FNL		Elevation: 6822 (FT)	Township: 032N		
Tolerance:							
Location: Bottom Hole Datum Code NAD 27 Directional							
Latitude: 36.970425	Longitude: -107.542372	X:	Y:	Section: 23		Range: 007W	
Footage X: 710 FWL		Footage Y: 866 FNL		Elevation: (FT)	Township: 032N		
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6838 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6638		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	2596	4242		☐			
KIRTLAND	2708	4130		☐			
FRUITLAND	3189	3649		☐			Possible Gas
PICTURED CLIFFS	3700	3138		☐			
LEWIS	3984	2854		☐			
Intermediate Casing	4134	2704		☐			8 3/4" Hole. 7", 23 ppf, J-55, STC / LTC Casing. Cement with 931 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4548	2290		☐			
CHACRA	4988	1850		☐			Est. Top Perf - 4990 (1848)
MASSIVE CLIFF HOUSE	5745	1093		☐	546		Gas
MENEFEE	5770	1068		☐			
POINT LOOKOUT	5994	844		☐			
MANCOS	6512	326		☐			
UPPER GALLUP	7394	-556		☐			
GREENHORN	8144	-1306		☐			
GRANEROS	8192	-1354		☐			
TWO WELLS	8293	-1455		☐	1903		Gas
UPPER CUBERO	8322	-1484		☐			
LOWER CUBERO	8372	-1534		☐			Est. Btm Perf - 8428 (-1590) based on offset wells
Total Depth	8448	-1610		☐			6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 565 cuft. Circulate cement a minimum of 100' inside the previous casing string.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-7 UNIT COM 39M

DEVELOPMENT

ENCINAL 8448 -1610 ☐

Reference Wells:

Reference Type	Well Name	Comments
Production	San Juan 32-7 Unit 35	32N-07W-22
Production	Allison Unit 31	32N-07W-14

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Est bottom perf ~20' above est TD.

Cased Hole GR / CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 32-7 UNIT COM #39M
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6838.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6838.0usft (Original Well Elev)
Site:	San Juan 32 Wells	North Reference:	Grid
Well:	SJ 32-7 UNIT COM #39M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 32-7 #39M		
Design:	Design #1		

Project	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	San Juan 32 Wells				
Site Position:		Northing:	2,162,852.90 usft	Latitude:	36° 56' 7.410 N
From:	Lat/Long	Easting:	84,060.54 usft	Longitude:	109° 15' 23.274 W
Position Uncertainty:	15.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	-0.86 °

Well	SJ 32-7 UNIT COM #39M					
Well Position	+N/-S	0.0 usft	Northing:	2,172,632.14 usft	Latitude:	36° 58' 13.530 N
	+E/-W	0.0 usft	Easting:	584,910.50 usft	Longitude:	107° 32' 33.619 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	6,822.0 usft

Wellbore	SJ 32-7 #39M				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	BGGM2012	12/27/2012	9.65	63.65	50,686

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	89.83	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,555.0	7.10	89.83	1,554.1	0.1	22.0	2.00	2.00	0.00	89.83	
1,968.0	7.10	89.83	1,963.9	0.2	73.0	0.00	0.00	0.00	0.00	
2,204.7	0.00	0.00	2,200.0	0.3	87.7	3.00	-3.00	0.00	180.00	SJ 32-7 #39M VERTI
4,138.7	0.00	0.00	4,134.0	0.3	87.7	0.00	0.00	0.00	0.00	SJ 32-7 #39M ICP
8,452.7	0.00	0.00	8,448.0	0.3	87.7	0.00	0.00	0.00	0.00	SJ 32-7 #39M PCP

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 32 Wells
 Well: SJ 32-7 UNIT COM #39M
 Wellbore: SJ 32-7 #39M
 Design: Design #1

Local Co-ordinate Reference: Well SJ 32-7 UNIT COM #39M
 TVD Reference: WELL @ 6838.0usft (Original Well Elev)
 MD Reference: WELL @ 6838.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	2.00	89.83	1,300.0	0.0	1.7	1.7	2.00	2.00	0.00
1,400.0	4.00	89.83	1,399.8	0.0	7.0	7.0	2.00	2.00	0.00
1,500.0	6.00	89.83	1,499.5	0.0	15.7	15.7	2.00	2.00	0.00
1,555.0	7.10	89.83	1,554.1	0.1	22.0	22.0	2.00	2.00	0.00
1,600.0	7.10	89.83	1,598.7	0.1	27.5	27.5	0.00	0.00	0.00
1,700.0	7.10	89.83	1,698.0	0.1	39.9	39.9	0.00	0.00	0.00
1,800.0	7.10	89.83	1,797.2	0.2	52.2	52.3	0.00	0.00	0.00
1,900.0	7.10	89.83	1,896.4	0.2	64.6	64.6	0.00	0.00	0.00
1,968.0	7.10	89.83	1,963.9	0.2	73.0	73.0	0.00	0.00	0.00
2,000.0	6.14	89.83	1,995.7	0.2	76.7	76.7	3.00	-3.00	0.00
2,100.0	3.14	89.83	2,095.4	0.3	84.8	84.8	3.00	-3.00	0.00
2,200.0	0.14	89.83	2,195.3	0.3	87.7	87.7	3.00	-3.00	0.00
2,204.7	0.00	0.00	2,200.0	0.3	87.7	87.7	3.00	-3.00	0.00
VERTICAL POINT									
2,300.0	0.00	0.00	2,295.3	0.3	87.7	87.7	0.00	0.00	0.00
2,400.0	0.00	0.00	2,395.3	0.3	87.7	87.7	0.00	0.00	0.00
2,500.0	0.00	0.00	2,495.3	0.3	87.7	87.7	0.00	0.00	0.00
2,600.0	0.00	0.00	2,595.3	0.3	87.7	87.7	0.00	0.00	0.00
2,600.7	0.00	0.00	2,596.0	0.3	87.7	87.7	0.00	0.00	0.00
OJO ALAMO									
2,700.0	0.00	0.00	2,695.3	0.3	87.7	87.7	0.00	0.00	0.00
2,712.7	0.00	0.00	2,708.0	0.3	87.7	87.7	0.00	0.00	0.00
KIRTLAND									
2,800.0	0.00	0.00	2,795.3	0.3	87.7	87.7	0.00	0.00	0.00
2,900.0	0.00	0.00	2,895.3	0.3	87.7	87.7	0.00	0.00	0.00
3,000.0	0.00	0.00	2,995.3	0.3	87.7	87.7	0.00	0.00	0.00
3,100.0	0.00	0.00	3,095.3	0.3	87.7	87.7	0.00	0.00	0.00
3,193.7	0.00	0.00	3,189.0	0.3	87.7	87.7	0.00	0.00	0.00
FRUITLAND									
3,200.0	0.00	0.00	3,195.3	0.3	87.7	87.7	0.00	0.00	0.00
3,300.0	0.00	0.00	3,295.3	0.3	87.7	87.7	0.00	0.00	0.00
3,400.0	0.00	0.00	3,395.3	0.3	87.7	87.7	0.00	0.00	0.00
3,500.0	0.00	0.00	3,495.3	0.3	87.7	87.7	0.00	0.00	0.00
3,600.0	0.00	0.00	3,595.3	0.3	87.7	87.7	0.00	0.00	0.00
3,700.0	0.00	0.00	3,695.3	0.3	87.7	87.7	0.00	0.00	0.00
3,704.7	0.00	0.00	3,700.0	0.3	87.7	87.7	0.00	0.00	0.00
PICTURED CLIFFS									
3,800.0	0.00	0.00	3,795.3	0.3	87.7	87.7	0.00	0.00	0.00
3,900.0	0.00	0.00	3,895.3	0.3	87.7	87.7	0.00	0.00	0.00
3,988.7	0.00	0.00	3,984.0	0.3	87.7	87.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 32 Wells
 Well: SJ 32-7 UNIT COM #39M
 Wellbore: SJ 32-7 #39M
 Design: Design #1

Local Co-ordinate Reference: Well SJ 32-7 UNIT COM #39M
 TVD Reference: WELL @ 6838.0usft (Original Well Elev)
 MD Reference: WELL @ 6838.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned 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)
LEWIS									
4,000.0	0.00	0.00	3,995.3	0.3	87.7	87.7	0.00	0.00	0.00
4,100.0	0.00	0.00	4,095.3	0.3	87.7	87.7	0.00	0.00	0.00
4,138.7	0.00	0.00	4,134.0	0.3	87.7	87.7	0.00	0.00	0.00
ICP									
4,200.0	0.00	0.00	4,195.3	0.3	87.7	87.7	0.00	0.00	0.00
4,300.0	0.00	0.00	4,295.3	0.3	87.7	87.7	0.00	0.00	0.00
4,400.0	0.00	0.00	4,395.3	0.3	87.7	87.7	0.00	0.00	0.00
4,500.0	0.00	0.00	4,495.3	0.3	87.7	87.7	0.00	0.00	0.00
4,552.7	0.00	0.00	4,548.0	0.3	87.7	87.7	0.00	0.00	0.00
HUERFANITO BENTONITE									
4,600.0	0.00	0.00	4,595.3	0.3	87.7	87.7	0.00	0.00	0.00
4,700.0	0.00	0.00	4,695.3	0.3	87.7	87.7	0.00	0.00	0.00
4,800.0	0.00	0.00	4,795.3	0.3	87.7	87.7	0.00	0.00	0.00
4,900.0	0.00	0.00	4,895.3	0.3	87.7	87.7	0.00	0.00	0.00
4,992.7	0.00	0.00	4,988.0	0.3	87.7	87.7	0.00	0.00	0.00
CHACRA									
5,000.0	0.00	0.00	4,995.3	0.3	87.7	87.7	0.00	0.00	0.00
5,100.0	0.00	0.00	5,095.3	0.3	87.7	87.7	0.00	0.00	0.00
5,200.0	0.00	0.00	5,195.3	0.3	87.7	87.7	0.00	0.00	0.00
5,300.0	0.00	0.00	5,295.3	0.3	87.7	87.7	0.00	0.00	0.00
5,400.0	0.00	0.00	5,395.3	0.3	87.7	87.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,495.3	0.3	87.7	87.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,595.3	0.3	87.7	87.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,695.3	0.3	87.7	87.7	0.00	0.00	0.00
5,749.7	0.00	0.00	5,745.0	0.3	87.7	87.7	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
5,774.7	0.00	0.00	5,770.0	0.3	87.7	87.7	0.00	0.00	0.00
MENEFEE									
5,800.0	0.00	0.00	5,795.3	0.3	87.7	87.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,895.3	0.3	87.7	87.7	0.00	0.00	0.00
5,998.7	0.00	0.00	5,994.0	0.3	87.7	87.7	0.00	0.00	0.00
POINT LOOKOUT									
6,000.0	0.00	0.00	5,995.3	0.3	87.7	87.7	0.00	0.00	0.00
6,100.0	0.00	0.00	6,095.3	0.3	87.7	87.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,195.3	0.3	87.7	87.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,295.3	0.3	87.7	87.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,395.3	0.3	87.7	87.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,495.3	0.3	87.7	87.7	0.00	0.00	0.00
6,516.7	0.00	0.00	6,512.0	0.3	87.7	87.7	0.00	0.00	0.00
MANCOS									
6,600.0	0.00	0.00	6,595.3	0.3	87.7	87.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,695.3	0.3	87.7	87.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,795.3	0.3	87.7	87.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,895.3	0.3	87.7	87.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,995.3	0.3	87.7	87.7	0.00	0.00	0.00
7,100.0	0.00	0.00	7,095.3	0.3	87.7	87.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,195.3	0.3	87.7	87.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,295.3	0.3	87.7	87.7	0.00	0.00	0.00
7,398.7	0.00	0.00	7,394.0	0.3	87.7	87.7	0.00	0.00	0.00
UPPER GALLUP									
7,400.0	0.00	0.00	7,395.3	0.3	87.7	87.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJB
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 32 Wells
 Well: SJ 32-7 UNIT COM #39M
 Wellbore: SJ 32-7 #39M
 Design: Design #1

Local Co-ordinate Reference: Well SJ 32-7 UNIT COM #39M
 TVD Reference: WELL @ 6838.0usft (Original Well Elev)
 MD Reference: WELL @ 6838.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned 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)
7,500.0	0.00	0.00	7,495.3	0.3	87.7	87.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,595.3	0.3	87.7	87.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,695.3	0.3	87.7	87.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,795.3	0.3	87.7	87.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,895.3	0.3	87.7	87.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,995.3	0.3	87.7	87.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,095.3	0.3	87.7	87.7	0.00	0.00	0.00
8,148.7	0.00	0.00	8,144.0	0.3	87.7	87.7	0.00	0.00	0.00
GREENHORN									
8,196.7	0.00	0.00	8,192.0	0.3	87.7	87.7	0.00	0.00	0.00
GRANEROS									
8,200.0	0.00	0.00	8,195.3	0.3	87.7	87.7	0.00	0.00	0.00
8,297.7	0.00	0.00	8,293.0	0.3	87.7	87.7	0.00	0.00	0.00
TWO WELLS									
8,300.0	0.00	0.00	8,295.3	0.3	87.7	87.7	0.00	0.00	0.00
8,326.7	0.00	0.00	8,322.0	0.3	87.7	87.7	0.00	0.00	0.00
UPPER CUBERO									
8,376.7	0.00	0.00	8,372.0	0.3	87.7	87.7	0.00	0.00	0.00
LOWER CUBERO									
8,400.0	0.00	0.00	8,395.3	0.3	87.7	87.7	0.00	0.00	0.00
8,452.7	0.00	0.00	8,448.0	0.3	87.7	87.7	0.00	0.00	0.00
PCP									

Targets

Target Name	hit/miss target	Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SJ 32-7 #39M VERTICAL	- plan hits target center	- Point	0.00	0.00	2,200.0	0.3	87.7	2,172,632.41	584,998.16	36° 58' 13.530 N	107° 32' 32.539 W
SJ 32-7 #39M PCP	- plan hits target center	- Point	0.00	0.00	8,448.0	0.3	87.7	2,172,632.41	584,998.16	36° 58' 13.530 N	107° 32' 32.539 W
SJ 32-7 #39M ICP	- plan hits target center	- Point	0.00	0.00	4,134.0	0.3	87.7	2,172,632.41	584,998.16	36° 58' 13.530 N	107° 32' 32.539 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
4,138.7	4,134.0	ICP	7	8-3/4
2,204.7	2,200.0	VERTICAL POINT	7	8-3/4
8,452.7	8,448.0	PCP	4-1/2	6-3/4

ConocoPhillips

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 32 Wells
Well: SJ 32-7 UNIT COM #39M
Wellbore: SJ 32-7 #39M
Design: Design #1

Local Co-ordinate Reference: Well SJ 32-7 UNIT COM #39M
TVD Reference: WELL @ 6838.0usft (Original Well Elev)
MD Reference: WELL @ 6838.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,704.7	3,700.0	PICTURED CLIFFS		0.00	
8,196.7	8,192.0	GRANEROS		0.00	
5,774.7	5,770.0	MENEFEE		0.00	
3,193.7	3,189.0	FRUITLAND		0.00	
2,600.7	2,596.0	OJO ALAMO		0.00	
2,712.7	2,708.0	KIRTLAND		0.00	
7,398.7	7,394.0	UPPER GALLUP		0.00	
4,552.7	4,548.0	HUERFANITO BENTONITE		0.00	
8,326.7	8,322.0	UPPER CUBERO		0.00	
8,297.7	8,293.0	TWO WELLS		0.00	
5,749.7	5,745.0	MASSIVE CLIFF HOUSE		0.00	
6,516.7	6,512.0	MANCOS		0.00	
5,998.7	5,994.0	POINT LOOKOUT		0.00	
3,988.7	3,984.0	LEWIS		0.00	
4,992.7	4,988.0	CHACRA		0.00	
8,148.7	8,144.0	GREENHORN		0.00	
8,376.7	8,372.0	LOWER CUBERO		0.00	

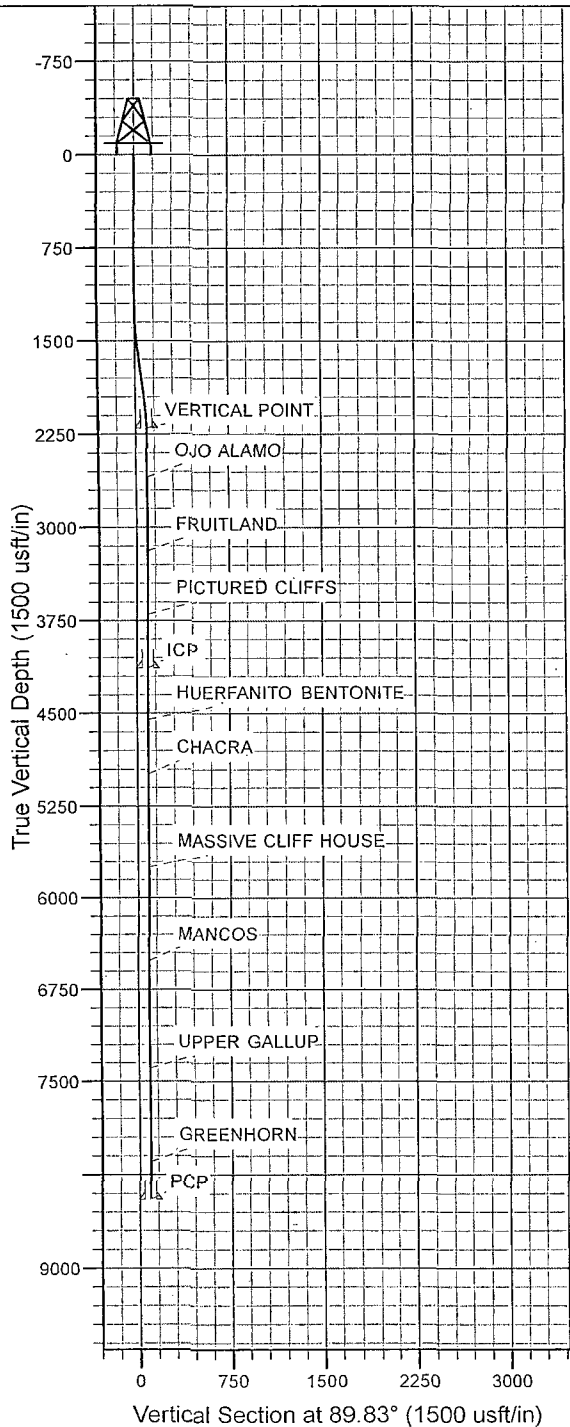
REFERENCE INFORMATION

WELL @ 6838.0usft (Original Well Elev)
Ground Elevation 6822.0
Reference Lat: 36° 58' 13.530 N
Reference Long: 107° 32' 33.619 W

Project: San Juan Basin - New Mexico West V
Site: San Juan 32 Wells
Well: SJ 32-7 UNIT COM #39M
Wellbore: SJ 32-7 #39M
Design: Design #1

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1555.0	7.10	89.83	1554.1	0.1	22.0	2.00	89.83	22.0	
4	1968.0	7.10	89.83	1963.9	0.2	73.0	0.00	0.00	73.0	
5	2204.7	0.00	0.00	2200.0	0.3	87.7	3.00	180.00	87.7	SJ 32-7 #39M VERTICAL POINT
6	4138.7	0.00	0.00	4134.0	0.3	87.7	0.00	0.00	87.7	SJ 32-7 #39M ICP
7	8452.7	0.00	0.00	8448.0	0.3	87.7	0.00	0.00	87.7	SJ 32-7 #39M PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2596.0	2600.7	OJO ALAMO
2708.0	2712.7	KIRTLAND
3189.0	3193.7	FRUITLAND
3700.0	3704.7	PICTURED CLIFFS
3984.0	3988.7	LEWIS
4548.0	4552.7	HUERFANITO BENTONITE
4988.0	4992.7	CHACRA
5745.0	5749.7	MASSIVE CLIFF HOUSE
5770.0	5774.7	MENEFEE
5994.0	5998.7	POINT LOOKOUT
6512.0	6516.7	MANCOS
7394.0	7398.7	UPPER GALLUP
8144.0	8148.7	GREENHORN
8192.0	8196.7	GRANEROS
8293.0	8297.7	TWO WELLS
8322.0	8326.7	UPPER CUBERO
8372.0	8376.7	LOWER CUBERO

