

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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		5. Lease Serial No. SF-078496
2. Name of Operator ConocoPhillips Company Farmington Field Office		6. If Indian, Allottee or Tribe Name San Juan 28-7 Unit
3a. Address PO Box 4289, Farmington, NM 87499	3b. Phone No. (include area code) (505) 326-9700	7. If Unit of CA/Agreement, Name and/or No. San Juan 28-7 Unit
4. Location of Well (Footage, Sec., T, R., M., or Survey Description) Surface Unit C (NENW), 525' FNL & 2005' FWL, Section 34, T28N, R7W Bottomhole		8. Well Name and No. San Juan 28-7 Unit 131N
9. API Well No. 30-039-30663		10. Field and Pool or Exploratory Area Blanco MV, Basin DK, Basin MC
11. Country or Parish, State Rio Arriba, 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 Add Mancos
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Formation and
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	BHL

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 recomplete 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 recompletion 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 complete the Basin Mancos formations and trimingle production on this well (DK/MV/Mancos). Attached is a new plat that includes the Basin Mancos and C107A will be submitted and approval received before the well is commingled.

ConocoPhillips also wishes to add a Bottomhole location for the subject well of Unit C, 710 'FNL & 1930 'FWL to avoid the the Mancos being NSL. The new plat, project proposal, directional drill plan and plat are attached.

RCVD APR 20 '12
OIL CONS. DIV.
DIST. 3

Hold C104
for Directional Survey
and "As Drilled" plat

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Arleen Kellywood	Title Staff Regulatory Tech
Signature <i>Arleen Kellywood</i>	Date 4/17/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Shea C. Vandy</i>	Title PE	Date 4/17/12
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

RCVD APR 20 '12
OIL CONS. DIV.

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, 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 Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 Drive
Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30663	*Pool Code 72319 / 71599 / 97232	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA / BASIN MANCOS
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT	*Well Number 131N
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6058'

¹⁰ Surface Location

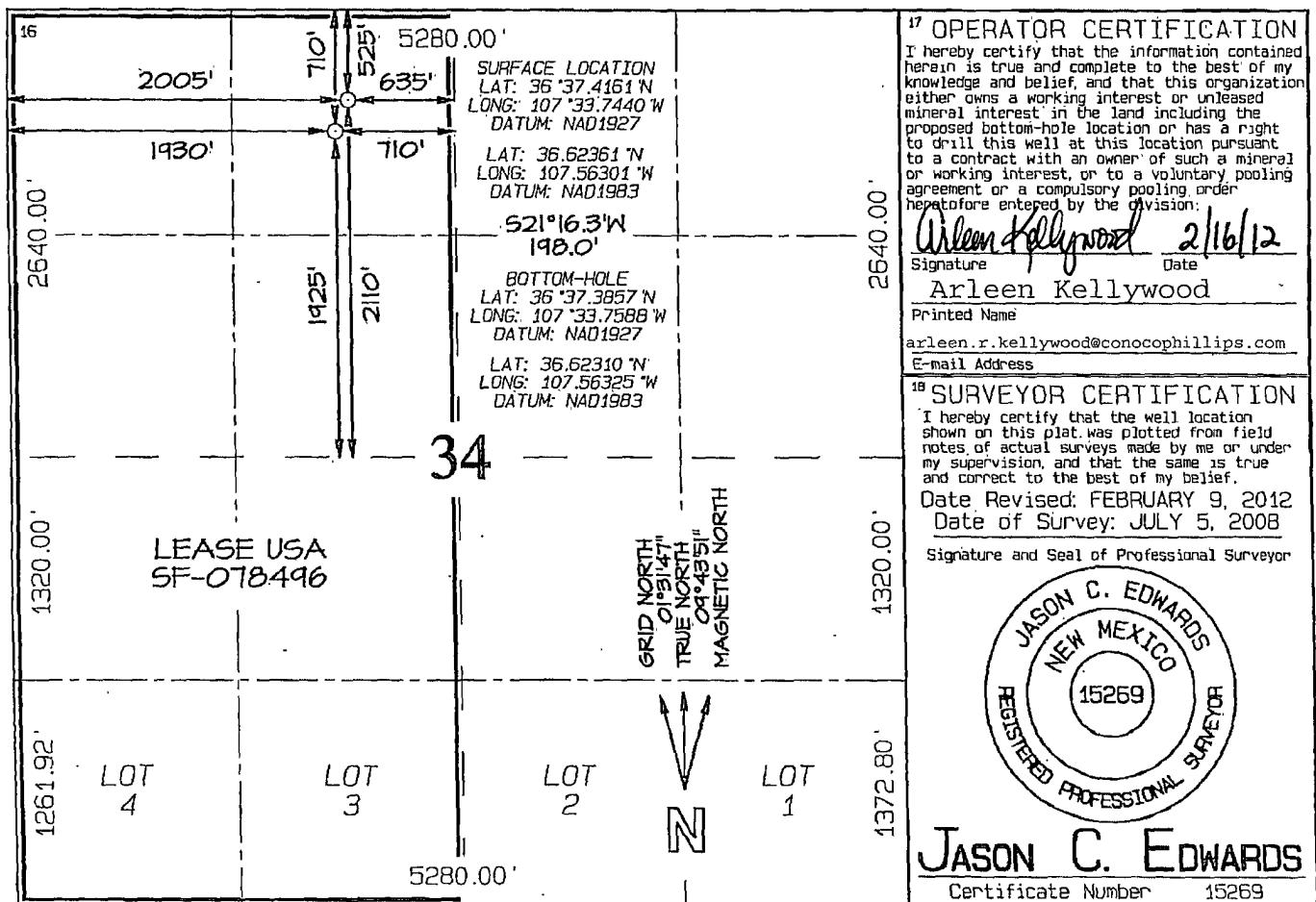
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	34	28N	7W		525	NORTH	2005	WEST	RIO ARriba

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
C	34	28N	7W		710	NORTH	1930	WEST	RIO ARriba

¹² Dedicated Acres MV - DK - MC 318.40 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 131N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7489				AFE \$: 1,348,147.00	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #: 3003930663
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RCO085	MANCOS(RCO085)						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole:							
Latitude: 36.623602		Longitude: -107.562403		X:	Y:	Section: 34	Range: 007W
Footage X: 2005 FWL		Footage Y: 525 FNL		Elevation: 6058 (FT)		Township: 028N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6070 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5870		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	1824	4246		☐			
KIRTLAND	1956	4114		☐			
FRUITLAND	2282	3788		☐			Possible Gas
PICTURED CLIFFS	2670	3400		☐			
LEWIS	2836	3234		☐			
Intermediate Casing	2936	3134		☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 661 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3185	2885		☐			
CHACRA	3630	2440		☐			
MASSIVE CLIFF HOUSE	4306	1764		☐	820		Gas
MENEFEE	4442	1628		☐			
POINT LOOKOUT	4913	1157		☐			
MANCOS	5316	754		☐			
UPPER GALLUP	6083	-13		☐			
GREENHORN	6836	-766		☐			
GRANEROS	6888	-818		☐			
TWO WELLS	6935	-865		☐	1300		Gas
UPPER CUBERO	7042	-972		☐			
LOWER CUBERO	7071	-1001		☐			
ENCINAL	7146	-1076		☐			
Total Depth	7147	-1077		☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 573 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:							
Reference Type	Well Name		Comments				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 131N

DEVELOPMENT

Logging Program:

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

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

Need Quad combo & ECS for Mancos. Est bottom perf ~15' above the est TD. Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD.

Additional Information:

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

San Juan Basin - New Mexico West Wells

San Juan 28 Wells

SJ 28-7 #131N

Wellbore #1

Plan: Plan #1

Standard Planning Report

12 April, 2012

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico West Wells
Site: San Juan 28 Wells
Well: SJ 28-7 #131N
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #131N
TVD Reference: WELL @ 6058 0ft (Original Well Elev)
MD Reference: WELL @ 6058 0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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 28 Wells
Site Position: Northing: 2,046,354.53 ft Latitude: 36° 37' 24.966 N
From: Lat/Long Easting: 579,505.00 ft Longitude: 107° 33' 44.640 W
Position Uncertainty: 15.0 ft Slot Radius: " Grid Convergence: 0.16 °

Well: SJ 28-7 #131N
Well Position: +N/-S 0.0 ft Northing: 2,046,354.53 ft Latitude: 36° 37' 24.966 N
 +E/-W 0.0 ft Easting: 579,505.00 ft Longitude: 107° 33' 44.640 W
Position Uncertainty: 0.0 ft Wellhead Elevation: ft Ground Level: 6,043 0 ft

Wellbore: Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	4/12/2012	9.70	63.37	50,581

Design: Plan #1

Audit Notes:
Version: Phase: PROTOTYPE Tie On Depth: 0.0

Vertical Section	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	201.43

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,840.5	14.81	201.43	1,832.3	-88.6	-34.8	2.00	2.00	0.00	201.43	
1,995.2	14.81	201.43	1,981.8	-125.4	-49.2	0.00	0.00	0.00	0.00	
2,488.8	0.00	0.00	2,470.0	-184.5	-72.4	3.00	-3.00	0.00	180.00	SJ 28-7 #131N VEF
7,165.8	0.00	0.00	7,147.0	-184.5	-72.4	0.00	0.00	0.00	0.00	

ConocoPhillips or its affiliates

Planning Report

Database: EDM Central Planning
 Company: ConocoPhillips SJBU
 Project: San Juan Basin - New Mexico West Wells
 Site: San Juan 28 Wells
 Well: SJ 28-7 #131N
 Wellbore: Wellbore #1
 Design: Plan #1

Local Co-ordinate Reference: Well SJ 28-7 #131N
 TVD Reference: WELL @ 6058.0ft (Original Well Elev)
 MD Reference: WELL @ 6058.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned 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
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	2.00	201.43	1,200.0	-1.6	-0.6	1.7	2.00	2.00	0.00
1,300.0	4.00	201.43	1,299.8	-6.5	-2.5	7.0	2.00	2.00	0.00
1,400.0	6.00	201.43	1,399.5	-14.6	-5.7	15.7	2.00	2.00	0.00
1,500.0	8.00	201.43	1,498.7	-26.0	-10.2	27.9	2.00	2.00	0.00
1,600.0	10.00	201.43	1,597.5	-40.5	-15.9	43.5	2.00	2.00	0.00
1,700.0	12.00	201.43	1,695.6	-58.3	-22.9	62.6	2.00	2.00	0.00
1,800.0	14.00	201.43	1,793.1	-79.2	-31.1	85.1	2.00	2.00	0.00
1,831.9	14.64	201.43	1,824.0	-86.6	-34.0	93.0	2.00	2.00	0.00
OJO ALAMO									
1,840.5	14.81	201.43	1,832.3	-88.6	-34.8	95.2	2.00	2.00	0.00
1,900.0	14.81	201.43	1,889.8	-102.8	-40.3	110.4	0.00	0.00	0.00
1,968.5	14.81	201.43	1,956.0	-119.0	-46.7	127.9	0.00	0.00	0.00
KIRTLAND									
1,995.2	14.81	201.43	1,981.8	-125.4	-49.2	134.7	0.00	0.00	0.00
2,000.0	14.67	201.43	1,986.5	-126.5	-49.7	135.9	3.00	-3.00	0.00
2,100.0	11.67	201.43	2,083.8	-147.7	-58.0	158.7	3.00	-3.00	0.00
2,200.0	8.67	201.43	2,182.3	-164.2	-64.4	176.4	3.00	-3.00	0.00
2,300.0	5.67	201.43	2,281.5	-175.8	-69.0	188.8	3.00	-3.00	0.00
2,300.5	5.65	201.43	2,282.0	-175.8	-69.0	188.9	3.00	-3.00	0.00
FRUITLAND									
2,400.0	2.67	201.43	2,381.2	-182.5	-71.6	196.1	3.00	-3.00	0.00
2,488.8	0.00	0.00	2,470.0	-184.5	-72.4	198.2	3.00	-3.00	0.00
2,500.0	0.00	0.00	2,481.2	-184.5	-72.4	198.2	0.00	0.00	0.00
2,600.0	0.00	0.00	2,581.2	-184.5	-72.4	198.2	0.00	0.00	0.00
2,688.8	0.00	0.00	2,670.0	-184.5	-72.4	198.2	0.00	0.00	0.00
PICTURED CLIFFS									
2,700.0	0.00	0.00	2,681.2	-184.5	-72.4	198.2	0.00	0.00	0.00
2,800.0	0.00	0.00	2,781.2	-184.5	-72.4	198.2	0.00	0.00	0.00
2,854.8	0.00	0.00	2,836.0	-184.5	-72.4	198.2	0.00	0.00	0.00
LEWIS									
2,900.0	0.00	0.00	2,881.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,000.0	0.00	0.00	2,981.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,100.0	0.00	0.00	3,081.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,200.0	0.00	0.00	3,181.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,203.8	0.00	0.00	3,185.0	-184.5	-72.4	198.2	0.00	0.00	0.00
HUERFANITO BENTONITE									
3,300.0	0.00	0.00	3,281.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,400.0	0.00	0.00	3,381.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,500.0	0.00	0.00	3,481.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,600.0	0.00	0.00	3,581.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,648.8	0.00	0.00	3,630.0	-184.5	-72.4	198.2	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #131N
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 6058.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6058.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #131N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned 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)
CHACRA									
3,700.0	0.00	0.00	3,681.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,800.0	0.00	0.00	3,781.2	-184.5	-72.4	198.2	0.00	0.00	0.00
3,900.0	0.00	0.00	3,881.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,000.0	0.00	0.00	3,981.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,100.0	0.00	0.00	4,081.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,200.0	0.00	0.00	4,181.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,300.0	0.00	0.00	4,281.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,324.8	0.00	0.00	4,306.0	-184.5	-72.4	198.2	0.00	0.00	0.00
MASSIVE CLIFF HOUSE									
4,400.0	0.00	0.00	4,381.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,460.8	0.00	0.00	4,442.0	-184.5	-72.4	198.2	0.00	0.00	0.00
MENEFEE									
4,500.0	0.00	0.00	4,481.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,600.0	0.00	0.00	4,581.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,700.0	0.00	0.00	4,681.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,800.0	0.00	0.00	4,781.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,881.2	-184.5	-72.4	198.2	0.00	0.00	0.00
4,931.8	0.00	0.00	4,913.0	-184.5	-72.4	198.2	0.00	0.00	0.00
POINT LOOKOUT									
5,000.0	0.00	0.00	4,981.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,100.0	0.00	0.00	5,081.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,200.0	0.00	0.00	5,181.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,281.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,334.8	0.00	0.00	5,316.0	-184.5	-72.4	198.2	0.00	0.00	0.00
MANCOS									
5,400.0	0.00	0.00	5,381.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,481.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,581.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,681.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,781.2	-184.5	-72.4	198.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,881.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,981.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,100.0	0.00	0.00	6,081.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,101.8	0.00	0.00	6,083.0	-184.5	-72.4	198.2	0.00	0.00	0.00
UPPER GALLUP									
6,200.0	0.00	0.00	6,181.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,281.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,381.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,481.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,581.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,681.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,800.0	0.00	0.00	6,781.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,854.8	0.00	0.00	6,836.0	-184.5	-72.4	198.2	0.00	0.00	0.00
GREENHORN									
6,900.0	0.00	0.00	6,881.2	-184.5	-72.4	198.2	0.00	0.00	0.00
6,906.8	0.00	0.00	6,888.0	-184.5	-72.4	198.2	0.00	0.00	0.00
GRANEROS									
6,953.8	0.00	0.00	6,935.0	-184.5	-72.4	198.2	0.00	0.00	0.00
TWO WELLS									
7,000.0	0.00	0.00	6,981.2	-184.5	-72.4	198.2	0.00	0.00	0.00
7,060.8	0.00	0.00	7,042.0	-184.5	-72.4	198.2	0.00	0.00	0.00

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #131N
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6058.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 6058.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #131N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned 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)
UPPER CUBERO									
7,089.8	0.00	0.00	7,071.0	-184.5	-72.4	198.2	0.00	0.00	0.00
LOWER CUBERO									
7,100.0	0.00	0.00	7,081.2	-184.5	-72.4	198.2	0.00	0.00	0.00
7,164.8	0.00	0.00	7,146.0	-184.5	-72.4	198.2	0.00	0.00	0.00
ENCINAL									
7,165.8	0.00	0.00	7,147.0	-184.5	-72.4	198.2	0.00	0.00	0.00

Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 28-7 #131N VERT	- plan hits target center	0.00	0.00	2,470.0	-184.5	-72.4	2,046,169.88	579,433.13	36° 37' 23.142 N	107° 33' 45.528 W
- Point										
SJ 28-7 #131N ICP	- plan hits target center	0.00	0.00	4,592.0	-184.5	-72.4	2,046,169.88	579,433.13	36° 37' 23.142 N	107° 33' 45.528 W
- Point										
sj 28-7 #131 PCP	- plan hits target center	0.00	0.00	7,147.0	-184.5	-72.4	2,046,169.88	579,433.13	36° 37' 23.142 N	107° 33' 45.528 W
- Point										

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,688.8	2,670.0	PICTURED CLIFFS		0.00	
6,101.8	6,083.0	UPPER GALLUP		0.00	
4,324.8	4,306.0	MASSIVE CLIFF HOUSE		0.00	
6,953.8	6,935.0	TWO WELLS		0.00	
1,831.9	1,824.0	OJO ALAMO		0.00	
4,460.8	4,442.0	MENEFEE		0.00	
6,906.8	6,888.0	GRANEROS		0.00	
1,968.5	1,956.0	KIRTLAND		0.00	
6,854.8	6,836.0	GREENHORN		0.00	
7,060.8	7,042.0	UPPER CUBERO		0.00	
7,164.8	7,146.0	ENCINAL		0.00	
2,300.5	2,282.0	FRUITLAND		0.00	
3,648.8	3,630.0	CHACRA		0.00	
4,931.8	4,913.0	POINT LOOKOUT		0.00	
5,334.8	5,316.0	MANCOS		0.00	
2,854.8	2,836.0	LEWIS		0.00	
3,203.8	3,185.0	HUERFANITO BENTONITE		0.00	
7,089.8	7,071.0	LOWER CUBERO		0.00	

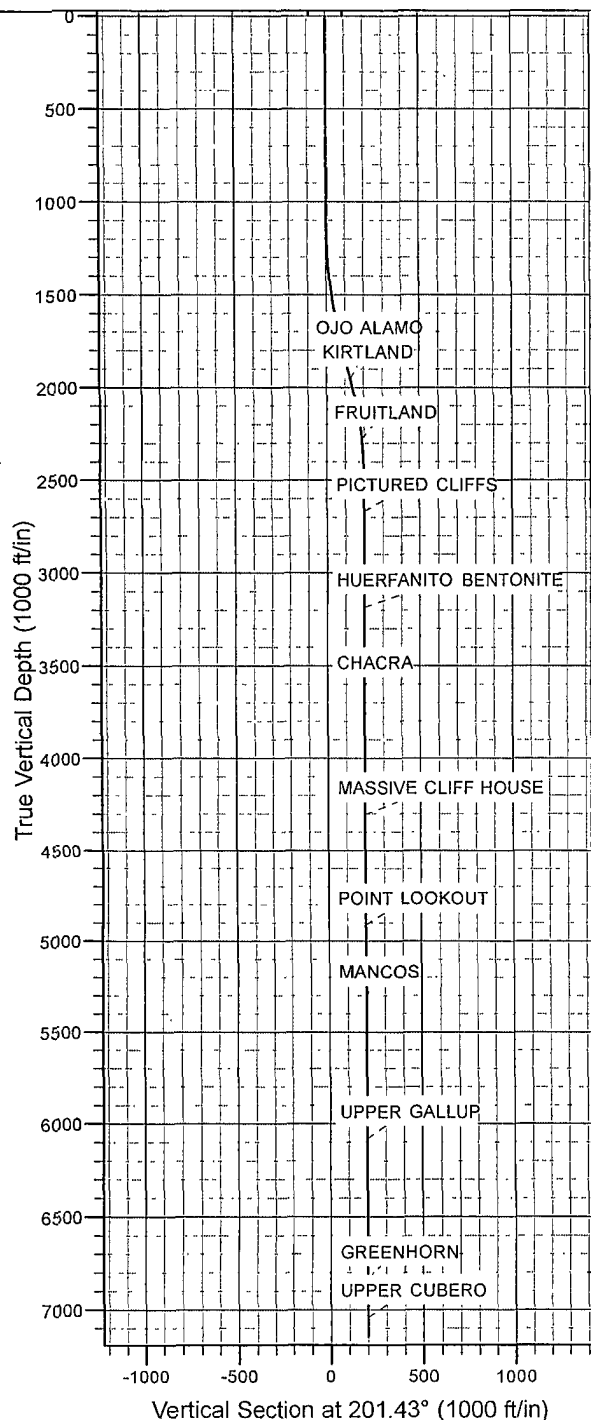
REFERENCE INFORMATION

WELL @ 6058.0ft (Original Well Elev)
Ground Elevation 6043.0
Reference Lat: 36° 37' 24.966 N
Reference Long: 107° 33' 44.640 W

Project: San Juan Basin - New Mexico West W
Site: San Juan 28 Wells
Well: SJ 28-7 #131N
Wellbore: Wellbore #1
Design: Plan #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	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1840.5	14.81	201.43	1832.3	-88.6	-34.8	2.00	201.43	95.2	
4	1995.2	14.81	201.43	1981.8	-125.4	-49.2	0.00	0.00	134.7	
5	2488.8	0.00	0.00	2470.0	-184.5	-72.4	3.00	180.00	198.2	SJ 28-7 #131N VERTICAL POINT
6	7165.8	0.00	0.00	7147.0	-184.5	-72.4	0.00	0.00	198.2	



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1824.0	1831.9	OJO ALAMO
1956.0	1968.5	KIRTLAND
2282.0	2300.5	FRUITLAND
2670.0	2688.8	ICTURED CLIFFS
2836.0	2854.8	LEWIS
3185.0	3203.8	HUERFANITO BENTON
3630.0	3648.8	CHACRA
4306.0	4324.8	MASSIVE CLIFF HOUS
4442.0	4460.8	MENELEE
4913.0	4931.8	POINT LOOKOUT
5316.0	5334.8	MANCOS
6083.0	6101.8	UPPER GALLUP
6836.0	6854.8	GREENHORN
6888.0	6906.8	GRANEROS
6935.0	6953.8	TWO WELLS
7042.0	7060.8	UPPER CUBERO
7071.0	7089.8	LOWER CUBERO
7146.0	7164.8	ENCINAL

