

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 09 2013

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

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.
SF-078496-A

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.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

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

San Juan 28-7 Unit

8. Well Name and No.

San Juan 28-7 Unit 215N

2. Name of Operator

ConocoPhillips Company

9. API Well No.

30-039-31182

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

10. Field and Pool or Exploratory Area

Basin DK/Blanco MV

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

Surface UL: C (NE/NW), 380'FNL & 2175' FWL, Sec. 4, T27N, R7W

Bottomhole UL: D (NW/NW), 760'FNL & 1140' FWL, Sec. 4, T27N, R7W

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

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

Rescind APD

☐ 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 Company wishes to rescind the APD for this well that was approved on 3/13/13. The reason we are rescinding this permit is because there are spacing issues with the Mesaverde wells in the proration unit which prohibits the NMOCD approving this APD.

**RCVD APR 15 '13
OIL CONS. DIV.
DIST. 3**

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

Kenny Davis

Title Staff Regulatory Technician

Signature

Date

4/8/13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Monica Tilden

Title

LLE

Date

APR 11 2013

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

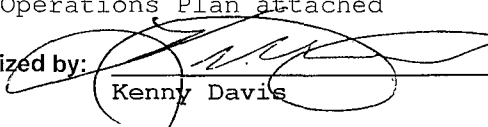
FFO

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAR 7 '13
OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078496-A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name NMNM-78413C-DK NMNM-78413A-MV San Juan 28-7 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 28-7 Unit 9. Well Number 215N
4. Location of Well Surface: Unit C (NE/NW), 380' FNL & 2175' FWL BHL : Unit D (NW/NW), 760' FNL & 1140' FWL Surface: Latitude: 36.609661° N (NAD83) Longitude: 107.579942° W BHL: Latitude: 36.608627° N (NAD83) Longitude: 107.583538° W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Surf: Sec. 4, T27N, R7W BHL : Sec. 4, T27N, R7W API # 30-039- 31182
14. Distance in Miles from Nearest Town 32.8 From: Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 760'	16. Acres in Lease 801.830
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	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 75' from: San Juan 28-7 Unit 215M (Basin dk/Blanco MV well)	19. Proposed Depth 7732
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 6692' GL
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by:  Kenny Davis 2/22/13 Date	Staff Regulatory Technician

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

Hold C104

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

Bond Numbers ES-0048 and ES-0085

NMOC

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

Hold C104
for Directional Survey
and "As Drilled" plat
APP Cancelled Due to Stacking Issue
RC

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 4/18/12

Signature Date

Arleen Kellywood

Printed Name

arleen.r.kellywood@conocophillips.com

E-mail Address

15 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: 08/22/2008

Signature and Seal of Professional Surveyor:

HEARY P. BROADHURST
NEW MEXICO
11393
4/18/12
PROFESSIONAL SURVEYOR

Certificate Number: NM 11293

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 215N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1099				AFE \$: 1,632,363.78	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Johnson, David		Phone: +1 505-324-6169		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: 36.609653	Longitude: -107.579334	X:	Y:	Section: 04		Range: 007W	
Footage X: 2175 FWL	Footage Y: 380 FNL	Elevation: 6692	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.608619	Longitude: -107.582930	X:	Y:	Section: 04		Range: 007W	
Footage X: 1140 FWL	Footage Y: 760 FNL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6707 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6692		☐			
Surface Casing <i>NOI CHANGE</i>	200	6507		☐	46		12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	906	5801		☐			
OJO ALAMO	2385	4322		☐			
KIRTLAND	2526	4181		☐			
FRUITLAND	2836	3871		☐			Possible Gas
PICTURED CLIFFS	3253	3454		☐	644	107	
LEWIS	3401	3306		☐			
HUERFANITO BENTONITE	3735	2972		☐			
CHACRA	4210	2497		☐			
UPPER CLIFF HOUSE	4803	1904		☐			
MASSIVE CLIFF HOUSE	4918	1789		☐	339		Gas - Est top MV perf 4922' tvd (~5' below T/CLFH).
MENEFEE	5011	1696		☐			Gas
Intermediate Casing	5160	1547		☐	143		8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 910 cuft. Circulate cement to surface.
POINT LOOKOUT	5514	1193		☐			Gas - Est bot MV perf 5694' tvd (~180' below T/PNLK).
MANCOS	5874	833		☐			
UPPER GALLUP	6662	45		☐			
GREENHORN	7408	-701		☐			
GRANEROS	7469	-762		☐			
TWO WELLS	7512	-805		☐	2471	193	Gas - Est top DK perf 7522' tvd (~10' below T/TWLS).
PAGUATE	7571	-864		☐			Gas

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 215N

DEVELOPMENT

UPPER CUBERO	7631	-924	☐	Gas
LOWER CUBERO	7647	-940	☐	Gas - Est bot DK perf 7712' tvd (~65' below T/CBRL).
ENCINAL	7729	-1022	☐	Gas
Total Depth	7732	-1025	☐	197 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC/BTC casing. Cement w/ 536 cuft. Circulate cement a minimum of 100' inside the previous casing string.
BURRO CANYON	7756	-1049	☐	
MORRISON	7848	-1141	☐	

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

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

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

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #215N
Company:	ConocoPhillips SJBU	TVD Reference:	RKB @ 6707.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD-Reference:	RKB @ 6707.0usft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	Grid
Well:	SJ 28-7 #215N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #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 28 Wells				
Site Position:		Northing:	2,030,915.03 usft	Latitude:	36° 34' 52.543 N
From:	Lat/Long	Easting:	569,619.07 usft	Longitude:	107° 35' 46.386 W
Position Uncertainty:	15.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.14 °

Well	SJ 28-7 #215N					
Well Position	+N/-S	0.0 usft	Northing:	2,041,263.23 usft	Latitude:	36° 36' 34.752 N
	+E/-W	0.0 usft	Easting:	574,548.94 usft	Longitude:	107° 34' 45.605 W
Position Uncertainty	15.0 usft	Wellhead Elevation:	usft	Ground Level:	6,692.0 usft	

Wellbore	Principal Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	1/5/2009	10.16	63.45	50,915

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	250.22

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	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,556.4	24.73	250.22	1,518.3	-88.9	-247.2	2.00	2.00	0.00	250.22	
3,188.8	24.73	250.22	3,001.1	-319.9	-889.8	0.00	0.00	0.00	0.00	
4,013.0	0.00	0.00	3,800.0	-379.2	-1,054.5	3.00	-3.00	0.00	180.00	SJ 28-7 #215N VERT
5,373.1	0.00	0.00	5,160.0	-379.2	-1,054.5	0.00	0.00	0.00	0.00	SJ 28-7 #215N ICP
7,943.0	0.00	0.00	7,730.0	-379.2	-1,054.5	0.00	0.00	0.00	0.00	SJ 28-7 215N PCP

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #215N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6707.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6707.0usft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	Grid
Well:	SJ 28-7 #215N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

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
Surf									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.60	250.22	400.0	-0.4	-1.1	1.1	2.00	2.00	0.00
500.0	3.60	250.22	499.9	-1.9	-5.3	5.7	2.00	2.00	0.00
600.0	5.60	250.22	599.6	-4.6	-12.9	13.7	2.00	2.00	0.00
700.0	7.60	250.22	698.9	-8.5	-23.7	25.2	2.00	2.00	0.00
800.0	9.60	250.22	797.8	-13.6	-37.8	40.1	2.00	2.00	0.00
900.0	11.60	250.22	896.0	-19.8	-55.1	58.5	2.00	2.00	0.00
1,000.0	13.60	250.22	993.6	-27.2	-75.6	80.3	2.00	2.00	0.00
1,100.0	15.60	250.22	1,090.4	-35.7	-99.3	105.5	2.00	2.00	0.00
1,200.0	17.60	250.22	1,186.2	-45.4	-126.2	134.1	2.00	2.00	0.00
1,300.0	19.60	250.22	1,281.0	-56.2	-156.2	166.0	2.00	2.00	0.00
1,400.0	21.60	250.22	1,374.6	-68.1	-189.3	201.2	2.00	2.00	0.00
1,500.0	23.60	250.22	1,466.9	-81.1	-225.5	239.6	2.00	2.00	0.00
1,556.4	24.73	250.22	1,518.3	-88.9	-247.2	262.7	2.00	2.00	0.00
1,600.0	24.73	250.22	1,558.0	-95.1	-264.4	280.9	0.00	0.00	0.00
1,700.0	24.73	250.22	1,648.8	-109.2	-303.7	322.8	0.00	0.00	0.00
1,800.0	24.73	250.22	1,739.6	-123.4	-343.1	364.6	0.00	0.00	0.00
1,900.0	24.73	250.22	1,830.5	-137.5	-382.4	406.4	0.00	0.00	0.00
2,000.0	24.73	250.22	1,921.3	-151.7	-421.8	448.2	0.00	0.00	0.00
2,100.0	24.73	250.22	2,012.1	-165.8	-461.2	490.1	0.00	0.00	0.00
2,200.0	24.73	250.22	2,103.0	-180.0	-500.5	531.9	0.00	0.00	0.00
2,300.0	24.73	250.22	2,193.8	-194.1	-539.9	573.7	0.00	0.00	0.00
2,400.0	24.73	250.22	2,284.6	-208.3	-579.3	615.6	0.00	0.00	0.00
2,486.3	24.73	250.22	2,363.0	-220.5	-613.2	651.7	0.00	0.00	0.00
Ojo									
2,500.0	24.73	250.22	2,375.5	-222.4	-618.6	657.4	0.00	0.00	0.00
2,600.0	24.73	250.22	2,466.3	-236.6	-658.0	699.2	0.00	0.00	0.00
2,658.0	24.73	250.22	2,519.0	-244.8	-680.8	723.5	0.00	0.00	0.00
Kirtland									
2,700.0	24.73	250.22	2,557.1	-250.7	-697.4	741.1	0.00	0.00	0.00
2,800.0	24.73	250.22	2,647.9	-264.9	-736.7	782.9	0.00	0.00	0.00
2,900.0	24.73	250.22	2,738.8	-279.0	-776.1	824.7	0.00	0.00	0.00
2,997.1	24.73	250.22	2,827.0	-292.8	-814.3	865.3	0.00	0.00	0.00
Fruitland									
3,000.0	24.73	250.22	2,829.6	-293.2	-815.4	866.6	0.00	0.00	0.00
3,100.0	24.73	250.22	2,920.4	-307.4	-854.8	908.4	0.00	0.00	0.00
3,188.8	24.73	250.22	3,001.1	-319.9	-889.8	945.5	0.00	0.00	0.00
3,200.0	24.39	250.22	3,011.3	-321.5	-894.1	950.2	3.00	-3.00	0.00
3,300.0	21.39	250.22	3,103.4	-334.7	-930.7	989.1	3.00	-3.00	0.00
3,400.0	18.39	250.22	3,197.4	-346.2	-962.8	1,023.1	3.00	-3.00	0.00
3,454.1	16.77	250.22	3,249.0	-351.7	-978.1	1,039.4	3.00	-3.00	0.00
Pictured Cliffs									
3,500.0	15.39	250.22	3,293.1	-356.0	-990.1	1,052.1	3.00	-3.00	0.00
3,600.0	12.39	250.22	3,390.2	-364.1	-1,012.7	1,076.2	3.00	-3.00	0.00
3,611.1	12.06	250.22	3,401.0	-364.9	-1,014.9	1,078.5	3.00	-3.00	0.00
Lewis									
3,700.0	9.39	250.22	3,488.3	-370.5	-1,030.5	1,095.0	3.00	-3.00	0.00
3,800.0	6.39	250.22	3,587.4	-375.2	-1,043.4	1,108.8	3.00	-3.00	0.00

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #215N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6707.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6707.0usft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	Grid
Well:	SJ 28-7 #215N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

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)	
3,900.0	3.39	250.22	3,687.0	-378.0	-1,051.4	1,117.3	3.00	-3.00	0.00	
3,948.0	1.95	250.22	3,735.0	-378.8	-1,053.5	1,119.5	3.00	-3.00	0.00	
Huerfano Bentonite										
4,000.0	0.39	250.22	3,786.9	-379.2	-1,054.5	1,120.6	3.00	-3.00	0.00	
4,013.0	0.00	0.00	3,800.0	-379.2	-1,054.5	1,120.6	3.00	-3.00	0.00	
4,100.0	0.00	0.00	3,886.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,200.0	0.00	0.00	3,986.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,086.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,186.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,423.0	0.00	0.00	4,210.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Chacra										
4,500.0	0.00	0.00	4,286.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,386.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,486.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,586.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,686.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,786.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,886.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,128.0	0.00	0.00	4,915.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Mass. Cliffhouse										
5,200.0	0.00	0.00	4,986.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,224.0	0.00	0.00	5,011.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Menefee										
5,300.0	0.00	0.00	5,086.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,373.1	0.00	0.00	5,160.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Int										
5,400.0	0.00	0.00	5,186.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,286.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,386.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,692.0	0.00	0.00	5,479.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Point Lookout										
5,700.0	0.00	0.00	5,486.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,586.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,686.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,786.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,088.0	0.00	0.00	5,875.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Mancos										
6,100.0	0.00	0.00	5,886.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,986.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,086.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,186.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,286.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,386.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,486.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,586.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
6,867.0	0.00	0.00	6,654.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
Gallup										
6,900.0	0.00	0.00	6,686.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,786.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,886.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
7,200.0	0.00	0.00	6,986.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,086.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #215N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6707.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6707.0usft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	Grid
Well:	SJ 28-7 #215N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

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)
7,400.0	0.00	0.00	7,186.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,286.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,386.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
7,608.0	0.00	0.00	7,395.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Greenhorn									
7,671.0	0.00	0.00	7,458.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Graneros									
7,700.0	0.00	0.00	7,486.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
7,709.0	0.00	0.00	7,496.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Two Wells									
7,800.0	0.00	0.00	7,586.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
7,833.0	0.00	0.00	7,620.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Upper Cubero									
7,861.0	0.00	0.00	7,648.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Lower Cubero									
7,900.0	0.00	0.00	7,686.9	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
7,942.0	0.00	0.00	7,729.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Encinal									
7,943.0	0.00	0.00	7,730.0	-379.2	-1,054.5	1,120.6	0.00	0.00	0.00
Prod									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
SJ 28-7 215N PCP	0.00	359.85	7,730.0	-379.2	-1,054.5	2,040,884.08	573,494.51	36° 36' 31.030 N	107° 34' 58.550 W
- plan hits target center									
- Point									
SJ 28-7 #215N ICP	0.00	0.00	5,160.0	-379.2	-1,054.6	2,040,884.09	573,494.46	36° 36' 31.030 N	107° 34' 58.551 W
- plan hits target center									
- Point									
SJ 28-7 #215N VERTIC	0.00	359.85	3,800.0	-379.2	-1,054.5	2,040,884.08	573,494.48	36° 36' 31.030 N	107° 34' 58.551 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
200.0	200.0	Surf	9-5/8	12-1/4	
5,373.1	5,160.0	Int	7	8-3/4	
7,943.0	7,730.0	Prod	4-1/2	6-1/4	

ConocoPhillips

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #215N
Company:	ConocoPhillips SJB	TVD Reference:	RKB @ 6707.0usft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	RKB @ 6707.0usft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	Grid
Well:	SJ 28-7 #215N	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,128.0	4,915.0	Mass. Cliffhouse		0.00		
4,423.0	4,210.0	Chacra		0.00		
3,611.1	3,401.0	Lewis		0.00		
7,709.0	7,496.0	Two Wells		0.00		
5,224.0	5,011.0	Menefee		0.00		
7,942.0	7,729.0	Encinal		0.00		
2,997.1	2,827.0	Fruitland		0.00		
5,692.0	5,479.0	Point Lookout		0.00		
3,948.0	3,735.0	Huerfano Bentonite		0.00		
2,658.0	2,519.0	Kirtland		0.00		
7,671.0	7,458.0	Graneros		0.00		
3,454.1	3,249.0	Pictured Cliffs		0.00		
7,608.0	7,395.0	Greenhorn		0.00		
7,833.0	7,620.0	Upper Cubero		0.00		
6,088.0	5,875.0	Mancos		0.00		
7,861.0	7,648.0	Lower Cubero		0.00		
2,486.3	2,363.0	Ojo		0.00		
6,867.0	6,654.0	Gallup		0.00		

REFERENCE INFORMATION

RKB @ 6707.0usft (Original Well Elev)
Ground Elevation 6692.0
Reference Lat: 36° 36' 34.752 N
Reference Long: 107° 34' 45.605 W

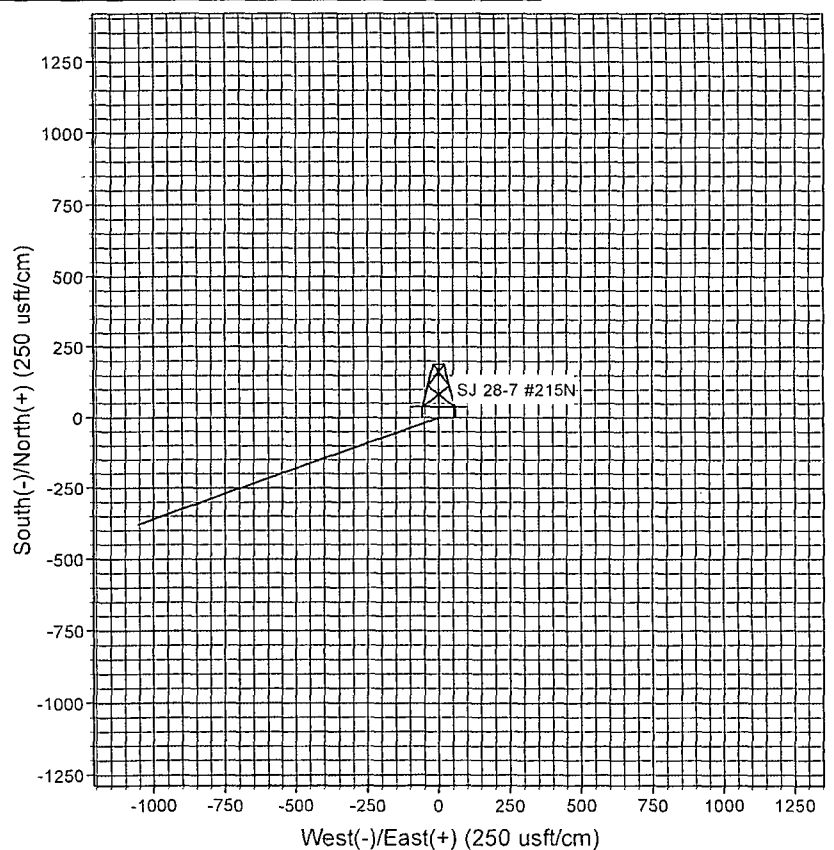
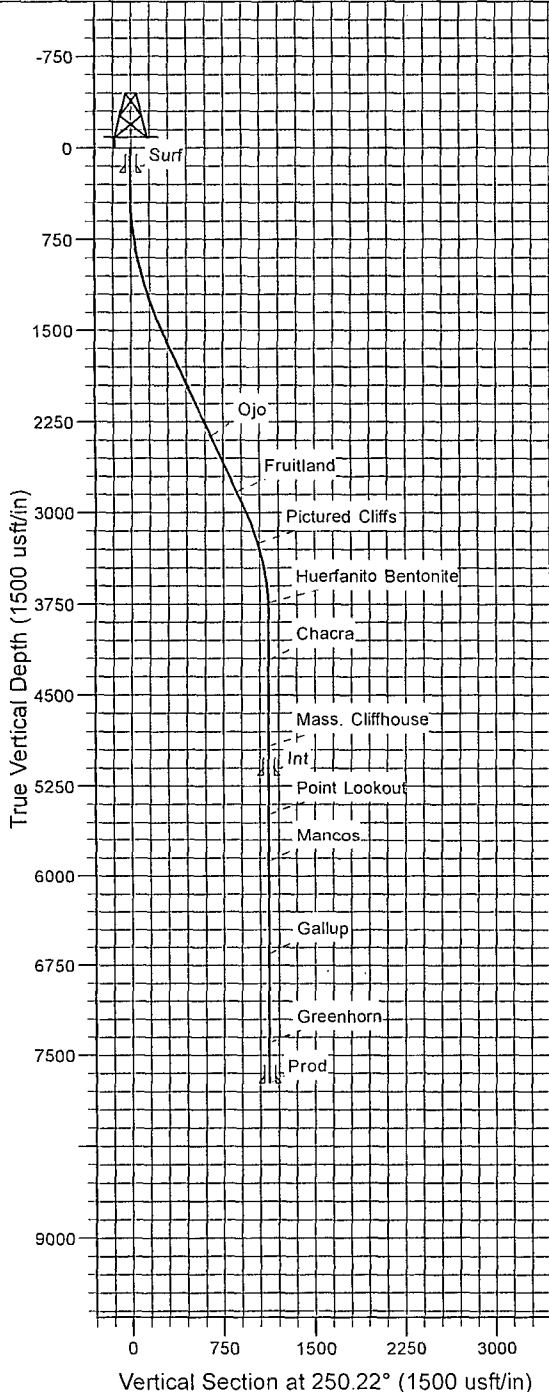
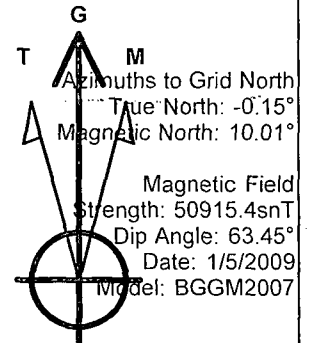
Project: San Juan Basin - New Mexico West V
Site: San Juan 28 Wells
Well: SJ 28-7 #215N
Wellbore: Principal Wellbore
Design: Plan #1

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1556.4	24.73	250.22	1518.3	-88.9	-247.2	2.00	250.22	262.7	
4	3188.8	24.73	250.22	3001.1	-319.9	-889.8	0.00	0.00	945.5	
5	4013.0	0.00	0.00	3800.0	-379.2	-1054.5	3.00	180.00	1120.6	SJ 28-7 #215N VERTICAL POINT
6	5373.1	0.00	0.00	5160.0	-379.2	-1054.5	0.00	0.00	1120.6	SJ 28-7 #215N ICP
7	7943.0	0.00	0.00	7730.0	-379.2	-1054.5	0.00	0.00	1120.6	SJ 28-7 215N PCP

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2363.0	2486.3	Ojo
2519.0	2658.0	Kirtland
2827.0	2997.1	Fruitland
3249.0	3454.1	Pictured Cliffs
3401.0	3611.1	Lewis
3735.0	3948.0	Huerfanito Bentonite
4210.0	4423.0	Chacra
4915.0	5128.0	Mass. Cliffhouse
5011.0	5224.0	Menefee
5479.0	5692.0	Point Lookout
5875.0	6088.0	Mancos
6654.0	6867.0	Gallup
7395.0	7608.0	Greenhorn
7458.0	7671.0	Graneros
7496.0	7709.0	Two Wells
7620.0	7833.0	Upper Cubero
7648.0	7861.0	Lower Cubero
7729.0	7942.0	Encinal



CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT #215N
380' FNL, 2175' FWL
SECTION 4, T-27-N, R-7-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
NAD 83 LAT.: 36.609661°N LONG.: 107.579942°W
ELEV.: 6692 NAVD88
NO NEW ACCESS

FROM BLOOMFIELD, N.M. (7-2-11 STORE) AT THE INTERSECTION OF HWY. 550 & HWY 64:

- GO 10.6 MILES EAST ON HWY. 64 THROUGH BLANCO, N.M. AND ACROSS THE SAN JUAN RIVER TO THE INTERSECTION OF HWY. 64 AND C.R. 4450 (LARGO CANYON). TURN RIGHT AND HEAD SOUTHEAST ON C.R. 4450 ALONG THE NORTH SIDE OF LARGO CANYON.
- GO 9.5 MILES SOUTHEAST ON C.R. 4450 AND TURN RIGHT TO "9 MILE BRIDGE" WASH CROSSING.
- GO 4.3 MILES SOUTHEAST FROM "9 MILE BRIDGE" ON C.R. 4450 ALONG THE SOUTH SIDE OF CARRIZO WASH. STAY RIGHT ON MAIN ROAD INTO "STOVE CANYON" AND BEGIN DRIVING UP GOULD PASS.
- GO 3.3 MILES SOUTHERLY WINDING UP GOULD PASS AND TOPPING OUT ON ENCINADA MESA IN THE NORTHEAST PART OF SECTION 7, T-27-N, R-7-W. HEAD EASTERLY ON MAIN ROAD.
- GO 2.2. MILES FROM TOP OF GOULD PASS EAST ON MAIN ROAD. TURN LEFT (NORTHEAST).
- GO 2.7 MILES ALONG THE TOP OF THE MESA HEADING NORTHEAST, THEN WESTERLY THROUGH "S" CURVE, DOWN HILL, & NORTH WESTERLY BACK ONTO MESA. TURN LEFT.
- GO 0.2 MILES SOUTHWEST TO SJ 28-7 #215M LOCATION. SJ 28-7 #215N IS TWINNED HERE.