

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF 078640 Unit Reporting Number NMNM-7843A-MV	
1b. Type of Well GAS	6. If Indian, All. or Tribe NMNM-7843C-DL	
2. Operator ConocoPhillips	7. Unit Agreement Name 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 RCVD SEP 17 '09 OIL CONS. DIV. DIST. 3	
4. Location of Well Unit I (NESE), 1530' FSL & 770' FEL, Unit J (NWSE), 1600' FSL & 1930' FEL, Latitude 36.555322 N Longitude 107.592163 W Bottom: Latitude 36.555530 N Longitude 107.592163 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) I Sec. 20, T27N, R7W API # 30-039- 30631	
14. Distance in Miles from Nearest Town 23.1 miles/Blanco	12. County San Juan Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1930'	 H ₂ S POTENTIAL EXIST	
16. Acres in Lease 2560.000	17. Acres Assigned to Well 320.0 (E/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 73' from San Juan 28-7 Unit 153E		
19. Proposed Depth 7474'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6571' GR	22. Approx. Date Work will Start 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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>9/15/09</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 9/15/09

Archaeological Report attached

Threatened and Endangered Species Report attached

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

Bond Numbers ES-0048 and ES-0085

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

SEP 18 2009

NMOCD

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

Hold C104

for Directional Survey
and "As Drilled" plat

Hold C104
for Directional Survey
and "As Drilled" plat

DISTRICT I
1026 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1320 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30631	² Pool Code 71599 / 72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31739	⁵ Property Name SAN JUAN 28-7 UNIT	⁶ Well Number 153M
⁷ OCRD No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6571'

¹⁰ Surface Location

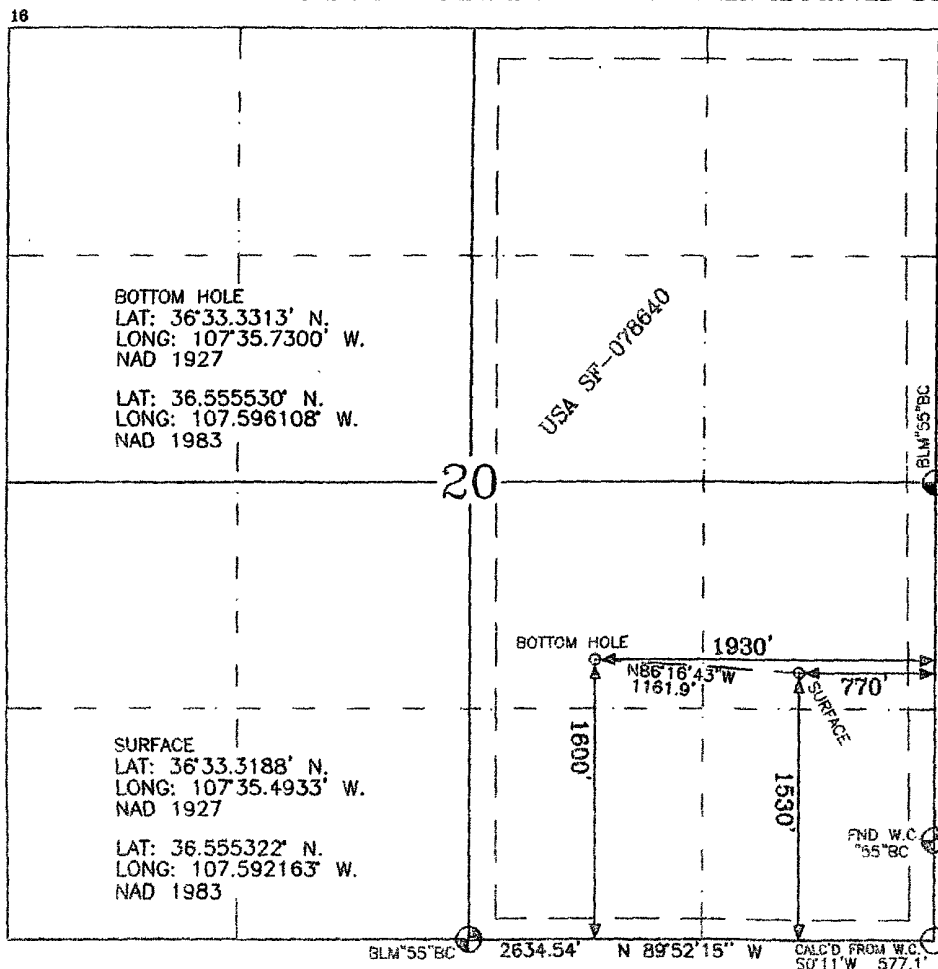
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	20	27-N	7-W		1530'	SOUTH	770'	EAST	RIO ARriba

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
J	20	27-N	7-W		1600'	SOUTH	1930'	EAST	RIO ARriba

¹² Dedicated Acres DK 320.0 ACRES E/2 MV 320.0 ACRES E/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



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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

James Gardenhire 9/04/08
Signature
James Gardenhire
Printed Name

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.

8-28-08
Date of Survey
Signature of Professional Surveyor
GLEN W. RUSSELL
15703
Certificate Number 15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 153M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8295				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		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							
Latitude: 36.555313		Longitude: -107.591555		X:	Y:	Section: 20	Range: 007W
Footage X: 770 FEL		Footage Y: 1530 FSL		Elevation: 6571 (FT)		Township: 027N	
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.555521		Longitude: -107.595500		X:	Y:	Section: 20	Range: 007W
Footage X: 1930 FEL		Footage Y: 1600 FSL		Elevation: (FT)		Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6586 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6386	☐			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	2071	4515	☐				
KIRTLAND	2253	4333	☐				
FRUITLAND	2520	4066	☐			Possible Gas	
PICTURED CLIFFS	2937	3649	☐				
LEWIS	3055	3531	☐				
HUERFANITO BENTONITE	3311	3275	☐				
CHACRA	3845	2741	☐				
Intermediate Casing	3900	2686	☐			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 928 cuft. Circulate cement to surface.	
MASSIVE CLIFF HOUSE	4602	1984	☐	200		Gas	
MENEFEE	4625	1961	☐				
POINT LOOKOUT	5205	1381	☐				
MANCOS	5567	1019	☐				
UPPER GALLUP	6375	211	☐				
GREENHORN	7159	-573	☐				
GRANEROS	7221	-635	☐				
TWO WELLS	7275	-689	☐	2884		Gas	
UPPER CUBERO	7380	-794	☐				
LOWER CUBERO	7405	-819	☐				
ENCINAL	7473	-887	☐				
Total Depth	7474	-888	☐			6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55/L-80, LTC casing. Cement w/ 488 cuft. Circulate cement a minimum of 100' inside the previous casing string.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 153M

DEVELOPMENT

Reference Wells:		
Reference Type	Well Name	Comments

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

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT
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Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 28-7 #153M
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 6586.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico Wells	MD Reference:	WELL @ 6586.0ft (Original Well Elev)
Site:	San Juan 28 Wells	North Reference:	True
Well:	SJ 28-7 #153M	Survey Calculation Method:	Minimum Curvature
Wellbore:	Principal Wellbore		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
796.2	794.0	Ojo		0.00		
980.8	975.0	Kirtland		0.00		
1,543.9	1,507.0	Fruitland		0.00		
2,100.2	2,013.0	Pictured Cliffs		0.00		
2,193.7	2,098.0	Lewis		0.00		
2,825.9	2,673.0	Huerfano Bentonite		0.00		
3,182.2	2,997.0	Chacra		0.00		
3,875.2	3,655.0	Mass. Cliffhouse		0.00		
3,922.5	3,702.0	Menefee		0.00		
4,528.9	4,308.0	Point Lookout		0.00		
4,897.9	4,677.0	Mancos		0.00		
5,743.9	5,523.0	Upper Gallup		0.00		
6,494.9	6,274.0	Greenhorn		0.00		
6,554.9	6,334.0	Graneros Two Wells Paguate Graneros		0.00		
6,613.9	6,393.0	Two Wells		0.00		
6,664.9	6,444.0	Paguate		0.00		
6,719.9	6,499.0	Upper cubero		0.00		
6,769.9	6,549.0	Encinal		0.00		

Directions from the Post Office in Blanco, NM
To:

CONOCOPHILLIPS COMPANY

SAN JUAN 28-7 UNIT 153M

1530' FSL & 770' FEL,

Section 20, T27N, R7W, N.M.P.M., Rio Arriba County,

New Mexico

Latitude: 36° 33' 19.16" N

Longitude: 107° 33' 31.78" W

Nad 83

Go East on Hwy 64 for 1.2 miles,
turn right (southerly) on CR 4450 for 3.7 miles,
stay left at y-Intersec (southeasterly) 5.7 miles,
turn right (south) 0.2 miles across wash,
turn left (southeasterly) for 3.9 miles,
continue (southerly) 3.4 miles,
to the top of Gould Pass,
continue (easterly) 1.9 miles,
turn right (southerly) 0.2 miles,
turn right (southwesterly) 0.4 miles,
continue (southerly) 1.2 miles,
turn left (southeasterly) 0.4 miles,
turn right (southwesterly) 0.9 miles,
to newly staked location on existing well pad,
SAN JUAN 28-7 UNIT 153E.