

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 04 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-078640 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
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 RCVD MAR 2 '10 OIL CONS. DIV. DIST. 3	
4. Location of Well Unit E (SWNW), 1691' FNL & 1066' FWL Latitude: 36.54657 N Longitude: 107.58595 W	10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 28, T27N, R7W API # 30-039- 30703	
14. Distance in Miles from Nearest Town 38 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1066'		
16. Acres in Lease 2,560.00	17. Acres Assigned to Well 320.00 (N/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 72' from the San Juan 28-7 175 (PC/CH)		
19. Proposed Depth 7475'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6581' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>James Gardenhire</u> (Regulatory Technician) <u>3-4-09</u> Date		



H₂S POTENTIAL EXIST

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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".

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

MAR 03 2010

[Signature]

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 217M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8082		AFE \$: 1,216,785.25	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
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				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface Datum Code: NAD 27					
Latitude: 36.546561	Longitude: -107.585342	X:	Y:	Section: 28	Range: 007W
Footage X: 1066 FWL	Footage Y: 1691 FNL	Elevation: 6581	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:	Date In Operation:
Formation Data: Assume KB = 6593 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6393	<input type="checkbox"/>		
OJO ALAMO	2098	4495	<input type="checkbox"/>		
KIRTLAND	2248	4345	<input type="checkbox"/>		
FRUITLAND	2608	3985	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2908	3685	<input type="checkbox"/>		
LEWIS	3000	3593	<input type="checkbox"/>		
Intermediate Casing	3100	3493	<input type="checkbox"/>		
HUERFANITO BENTONITE	3384	3209	<input type="checkbox"/>		
CHACRA	3816	2777	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	4615	1978	<input type="checkbox"/>	150	Gas
MENEFEE	4630	1963	<input type="checkbox"/>		
POINT LOOKOUT	5188	1405	<input type="checkbox"/>		
MANCOS	5550	1043	<input type="checkbox"/>		
UPPER GALLUP	6347	246	<input type="checkbox"/>		
GREENHORN	7138	-545	<input type="checkbox"/>		
GRANEROS	7199	-606	<input type="checkbox"/>		
TWO WELLS	7251	-658	<input type="checkbox"/>	1700	Gas
UPPER CUBERO	7353	-760	<input type="checkbox"/>		
LOWER CUBERO	7378	-785	<input type="checkbox"/>		
ENCINAL	7448	-855	<input type="checkbox"/>		
Total Depth	7475	-882	<input type="checkbox"/>		
12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.					
8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 698 cuft. Circulate cement to surface.					
6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 595 cuft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name	Comments			

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SAN JUAN 28-7 UNIT 217M

DEVELOPMENT

Logging Program:

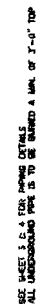
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Est bottom perf ~20' above the est TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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CONOCOPHILLIPS COMPANY
SAN JUAN 28-7 UNIT #217 M
1691' FNL & 1066' FWL
LOCATED IN THE SW/4 NW/4 OF SECTION 28,
T27N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 64 AND CR 4450, GO SOUTHERLY ON 4450 FOR 25 MILES TO OLD SCHOOL HOUSE.
- 2) FROM "T" INTERSECTION BY SCHOOL HOUSE, GO NORTHERLY UP ICE CANYON FOR 3.3 MILES.
- 3) TURN LEFT AND GO 2.85 MILES TO "Y" INTERSECTION.
- 4) TURN LEFT (GO AROUND CHEVRON COMP. SITE) AND GO 3.3 MILES.
- 5) TURN LEFT AND GO 1.8 MILES.
- 6) TURN RIGHT AND GO 0.1 MILES TO TWINNED LOCATION.

WELL FLAG LOCATED AT LAT. 36.54657°N, LONG. 107.58595°W (NAD 83).

