

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 30 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Service of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-079029 Unit Reporting Number NMNM784244-MV / DK-lease	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD DEC 22 '09 OIL CONS. DIV. DIST. 3	
2. Operator ConocoPhillips Company	7. Unit Agreement Name San Juan 32-8 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 9. Well Number 22B	
4. Location of Well Surf: Unit O (SWSE), 1170' FSL & 1655' FEL Surf: Latitude: 36.921894° N (NAD83) Longitude: 107.3677196° W	10. Field, Pool, Wildcat Blanco MV / Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) 7 Sec. 4, T31N, R8W API # 30-045- 35049	
14. Distance in Miles from Nearest Town 26 miles - Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1170'	17. Acres Assigned to Well 320.47 (E/2)	
16. Acres in Lease 1,562.080	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 101' from SJ 32-8 Unit 241A	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	
19. Proposed Depth 8227'	22. Approx. Date Work will Start	
21. Elevations (DF, FT, GR, Etc.) 6636' GL		
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	12/01/2009 Date	

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 NMB-000015 and NMB-000089

JAN 04 2010

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

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.9
and appeal pursuant to 43 CFR 3165.4

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 22B

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9207		AFE \$: 1,496,631.28	
Field Name: SAN JUAN		Rig: XXX 2011 Holding Rig #2		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
Phone:		Phone:		Phone:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface					
Datum: Code		NAD 27		Straight Hole	
Latitude: 36.921890	Longitude: -107.676582	X:	Y:	Section: 04	Range: 008W
Footage X: 1655 FEL	Footage Y: 1170 FSL	Elevation: 6636	(FT)	Township: 031N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2011		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6652 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6452	☐		
OJO ALAMO	2287	4365	☐		
KIRTLAND	2352	4300	☐		
FRUITLAND	3124	3528	☐		Possible Gas
PICTURED CLIFFS	3528	3124	☐	1100	
LEWIS	3626	3026	☐		
Intermediate Casing	3726	2926	☐		
HUERFANITO BENTONITE	4318	2334	☐		
CHACRA	4721	1931	☐		
MASSIVE CLIFF HOUSE	5521	1131	☐	650	Gas
MENEFEE	5568	1084	☐		
POINT LOOKOUT	5888	764	☐		
MANCOS	6214	438	☐		
UPPER GALLUP	7170	-518	☐		
GREENHORN	7902	-1250	☐		
GRANEROS	7952	-1300	☐		
TWO WELLS	8056	-1404	☐	3450	Gas
PAGUATE	8074	-1422	☐		
UPPER CUBERO	8088	-1436	☐		
LOWER CUBERO	8118	-1466	☐		
ENCINAL	8177	-1525	☐		
Total Depth	8227	-1575	☐		
Remarks: 12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface. Possible Gas 8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 893 cuft. Circulate cement to surface. Gas Gas 18M in NW11 P&A entire DK due to water communication into ENCN Bottom perf 20-30' off bottom pending sand thickness in lower zones. TD 50' into Encinal, but may only perf very upper sand. 6-1/4" hole, 4-1/2" 11.6 ppf, J-55, LTC casing. Cement w/ 658 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 32-8 UNIT 22B

DEVELOPMENT

Production	32-8 16M	NW15 31-8
Production	Oxnard 1A	NW8 31-8
Production	32-8 18M	NW11 31-8

Logging Program:

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

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

No OH logs required. Mudlog from 100' above Greenhorn to TD - loggers will call TD.

Additional Information:

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

Directions from the Post office
In Blanco, NM to
CONOCOPHILLIPS COMPANY
SAN JUAN 32-8 UNIT 22B
1170' FSL & 1655' FEL,
Section 4, T31N, R8W, N.M.P.M., San Juan County,
New Mexico
Lat: 36° 55' 18.817" N
Long: 107° 40' 37.905" W
Nad 83

From the Post office in Blanco, NM
Take Hwy 64 east for 2.2 miles to Hwy 511,
Turn left on Hwy 511 for 23.5 miles past Navajo Dam,
Turn left (west-southwest) 0.3 miles to newly staked location twinned
with existing location (SAN JUAN 32-8 UNIT 241A)

