

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 29 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RCVD MAY 19 '09  
OIL CONS. DIV.  
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-079296 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator ConocoPhillips Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Federal 9. Well Number 12P
4. Location of Well Surface: Unit E(SWNW), 2480' FNL & 945' FWL  Surface: Latitude: 36.47299° N (NAD 83) Longitude: 107.44304° W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 23, T26N, R6W  API # 30-039-30757
14. Distance in Miles from Nearest Town 46 miles/Bloomfield	12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 945'	
16. Acres in Lease 641.070	17. Acres Assigned to Well MV/DK 320.00 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1251' from Federal 12E (DK)	
19. Proposed Depth 7684'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6788' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	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
24. Authorized by: <i>Crystal Tafoya</i> Crystal Tafoya (Regulatory Technician)	Date 4/29/2009

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_ MAY 15 2009  
Original Signed: Stephen Mason  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAY 15 2009

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 4

Bond Numbers ES-0048 and ES-0085

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

NMOC

MAY 20 2009

subject to compliance with attached "General Requirements"

DISTRICT I  
1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT II  
1301 W. Grand Ave., Artesia, N.M. 88210

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

DISTRICT IV  
1220 South 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

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Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

Bureau of Land Management ☐ AMENDED REPORT  
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039- 30757	<sup>2</sup> Pool Code 71599 / 72319	<sup>3</sup> Pool Name BASIN DAKOTA / BLANCO MESAVERDE
<sup>4</sup> Property Code 31535	<sup>5</sup> Property Name FEDERAL	<sup>6</sup> Well Number 12P
<sup>7</sup> OGRID No. 217817	<sup>8</sup> Operator Name CONOCOPHILLIPS COMPANY	<sup>9</sup> Elevation 6788'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	23	26-N	6-W		2480	NORTH	945	WEST	RIO ARriba

<sup>11</sup> 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
E									
<sup>12</sup> Dedicated Acres W/2 - 320 ACRES			<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.		

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

16 FD. 3 1/4" BC. 1957 B.L.M. USA SF-079296 N 89°57'45" W 2644.01' (M) FD. 3 1/4" BC. 1957 B.L.M. N 00°20'08" E 2678.25' (M) 2480' 945'	23 LAT: 36.47299° N (NAD 83) LONG: 107.44304° W (NAD 83) LAT: 36°28.3787' N (NAD 27) LONG: 107°26.5461' W (NAD 27) USA SF-079295
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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.

*James Gardenhire* 10/03/08  
Signature Date  
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 knowledge and belief.

MAY 15, 2008  
Date of Survey  
Signature and Seal of Professional Surveyor:  
ROY A. RUSH  
NEW MEXICO  
REGISTERED PROFESSIONAL LAND SURVEYOR  
8894  
06-2-08  
Certificate Number

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FEDERAL 12P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8127		AFE \$: 661,672.68	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: +1 505-326-9826		Proj. Field Lead:	

## Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

## Location: Surface Datum Code: NAD 27

Latitude: 36.472980	Longitude: -107.442437	X:	Y:	Section: 23	Range: 006W
Footage X: 945 FWL	Footage Y: 2480 FNL	Elevation: 6788	(FT)	Township: 026N	

Tolerance:

Location Type: Restricted	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6804 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6484	<input type="checkbox"/>			12-1/4" OH, 320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 226 cuft. Circulate cement to surface.
OJO ALAMO	2540	4264	<input type="checkbox"/>			
KIRTLAND	2688	4116	<input type="checkbox"/>			
FRUITLAND	2776	4028	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	3128	3676	<input type="checkbox"/>			
LEWIS	3245	3559	<input type="checkbox"/>			
HUERFANITO BENTONITE	3585	3219	<input type="checkbox"/>			
CHACRA	4022	2782	<input type="checkbox"/>			
UPPER CLIFF HOUSE	4737	2067	<input type="checkbox"/>			Est. Top Perf - 4739 (2065)
MASSIVE CLIFF HOUSE	4808	1996	<input type="checkbox"/>	513		Cliffhouse Possibly Wet
MENEFEE	4845	1959	<input type="checkbox"/>			
POINT LOOKOUT	5366	1438	<input type="checkbox"/>			GAS
MANCOS	5716	1088	<input type="checkbox"/>			
UPPER GALLUP	6451	353	<input type="checkbox"/>			
GREENHORN	7273	-469	<input type="checkbox"/>			
GRANEROS	7328	-524	<input type="checkbox"/>			
TWO WELLS	7360	-556	<input type="checkbox"/>	2045		Gas
PAGUATE	7454	-650	<input type="checkbox"/>			
UPPER CUBERO	7489	-685	<input type="checkbox"/>			
LOWER CUBERO	7524	-720	<input type="checkbox"/>			
OAK CANYON	7549	-745	<input type="checkbox"/>			
ENCINAL	7598	-794	<input type="checkbox"/>			Est. Btm Perf - 7629 (-825) based on offset wells
BURRO CANYON	7644	-840	<input type="checkbox"/>			TD - 40' Below T/Burro Canyon
Total Depth	7684	-880	<input type="checkbox"/>			7 7/8" hole, 4-1/2" 11.6 ppf, N/L-80 LTC casing. Cement with 2262 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
Production	Breech-D 346	26N-6W22 SW NE NE

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San Juan Business Unit

FEDERAL 12P

DEVELOPMENT

Production	Federal 12E	26N-6W23 SE NW SW
Production	Federal 12	26N-6W23 SW NE NW
Production	Federal 11-E	26N-6W23 NW SE SE

## Logging Program:

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

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

Cased Hole GR / CBL

## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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**Directions from the Bloomfield, New Mexico, post office to the  
ConocoPhillips Company**

**Federal #12P well location**

**2480' FNL 945' FWL Section 23, T26N R6W, NMPM  
Rio Arriba County, New Mexico**

From the Bloomfield, New Mexico, post office (Lat. 36.71111° N, Long. 107.99250° W):

Travel east on Hwy 64 0.4 mi to the intersection with Hwy 550 (Lat. 36.71111° N, Long. 107.98472° W).

Turn right (south) on Hwy 550 and travel southwesterly 1.0 mi to CR 4990 (Sullivan Road) (Lat. 36.69639° N, Long. 107.98750° W).

Turn left on CR 4990 and travel easterly 15.0 mi to CR 4550 at the Largo Wash Bridge (Lat. 36.68694° N, Long. 107.75694° W).

Travel southeasterly on CR 4550 21.3 mi to the old Largo School (Lat. 36.47972° N, Long. 107.52806° W).

Continue northeasterly on the main road, across Largo Wash and up through Ice Canyon, 3.8 mi to the old corrals on the left (west) side of the road (Lat. 36.51028° N, Long. 107.47917° W).

Turn right on a field road and travel southeasterly 1.3 mi to a four-way intersection at the top of a hill (Lat. 36.4950° N, Long. 107.46639° W).

Continue southeasterly at this intersection 1.5 mi to a T-intersection at the top of another hill (Lat. 36.49139° N, Long. 107.44250° W).

Turn right at this intersection and travel south 1.0 mi to a fork in the road just west of a large microwave tower at the top of a hill (Lat. 36.47722° N, Long. 107.44028° W).

Take the fork to the left and travel south, down the hill 0.3 mi to the new access on the right (west) side of the road (Lat. 36.47306° N, Long. 107.44194° W).

The new access continues westerly 128' to the new location (Lat. 36.47299° N, Long. 107.44304° W).