

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 10 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office  
Bureau of Land Management

1a. Type of Work  
DRILL

5. Lease Number  
USA SF-078048  
Unit Reporting Number

1b. Type of Well  
GAS

6. If Indian, All. or Tribe

2. Operator

ConocoPhillips

Company

7. Unit Agreement Name

N/A

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499  
(505) 326-9700

8. Farm or Lease Name  
Porkchop Federal 28  
9. Well Number  
2

4. Location of Well  
Surf: Unit J (NWSE), 1490' FSL & 2600' FEL

10. Field, Pool, Wildcat  
Basin Dakota

Surf: Latitude: 36.454925° N (NAD83)  
Longitude: 107.581024° W

11. Sec., Twn, Rge, Mer. (NMPM)  
Sec. 28, T26N, R7W

API # 30-039-31043

14. Distance in Miles from Nearest Town  
43.2 Miles from Bloomfield, NM

12. County  
Rio Arriba

13. State  
NM

15. Distance from Proposed Location to Nearest Property or Lease Line  
1490'

16. Acres in Lease  
2,560.6 Acres

17. Acres Assigned to Well  
320 Acres S/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease  
3505' from Porkchop Federal 1E (COP)

19. Proposed Depth  
7449'



H<sub>2</sub>S POTENTIAL EXIST

20. Rotary or Cable Tools  
Rotary

21. Elevations (DF, FT, GR, Etc.)  
6911' GL This action is subject to technical and procedural review pursuant to 43 CFR 3165.2 and appeal pursuant to 43 CFR 3165.4

22. Approx. Date Work will Start  
DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

23. Proposed Casing and Cementing Program  
See Operations Plan attached

24. Authorized by: Brandie Blakley 3-8-11  
Brandie Blakley (Staff Regulatory Technician) Date

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

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

NOTICE OF COMPLETION 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

NOTIFY AZTEC OCD 24 HRS. JUN 02 2011  
PRIOR TO CASING & CEMENT

DISTRICT I  
1825 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  
1220 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

RECEIVED

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Farmington Field Office  
Bureau of Land Management

Form C-102  
Revised October 12, 2005

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

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-039- 31043</b>	<sup>2</sup> Pool Code <b>71599</b>	<sup>3</sup> Pool Name <b>BASIN DAKOTA</b>
<sup>4</sup> Property Code <b>31866</b>	<sup>5</sup> Property Name <b>PORKCHOP FEDERAL 28</b>	<sup>6</sup> Well Number <b>2</b>
<sup>7</sup> OGRID No. <b>217817</b>	<sup>8</sup> Operator Name <b>CONOCOPHILLIPS COMPANY</b>	<sup>9</sup> Elevation <b>6911'</b>

#### <sup>10</sup> Surface Location

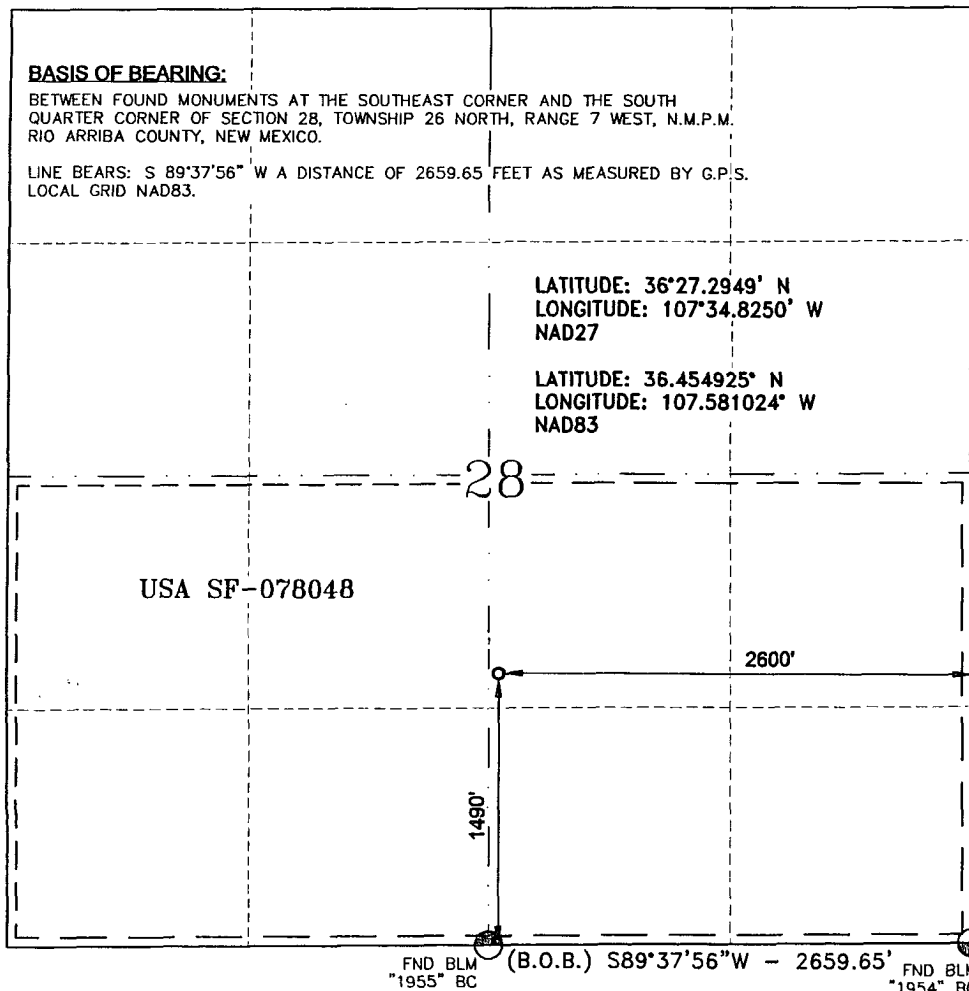
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	28	26-N	7-W		1490	SOUTH	2600	EAST	RIO ARriba

#### <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
<sup>12</sup> Dedicated Acres DK 320.00 ACRES S/2					<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

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

*Brandie Blakley*  
Signature  
Brandie Blakley 6-21-10  
Printed Name

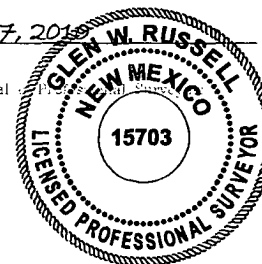
#### 18 SURVEYOR CERTIFICATION

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.

JANUARY 27, 2011

Date of Survey

Signature and Seal



GLEN W. RUSSELL

Certificate Number

15703

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

PORKCHOP FEDERAL 28 2

DEVELOPMENT

Lease:		AFE #: WAN.CDR.9374				AFE \$: 888,950.00	
Field Name: SAN JUAN		Rig: Aztec Rig 673		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
<b>Primary Objective (Zones):</b>							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
<b>Location:</b> Surface		<b>Datum Code:</b> NAD 27				<b>Straight Hole</b>	
Latitude: 36.454915		Longitude: -107.580417		X:	Y:	Section: 28	Range: 007W
Footage X: 2600 FEL		Footage Y: 1490 FSL		Elevation: 6911 (FT)	Township: 026N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2013		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6926 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	6726		<input type="checkbox"/>			12-1/4" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	2136	4790		<input type="checkbox"/>			
KIRTLAND	2322	4604		<input type="checkbox"/>			
FRUITLAND	2497	4429		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2903	4023		<input type="checkbox"/>			
LEWIS	2975	3951		<input type="checkbox"/>			
HUERFANITO BENTONITE	3272	3654		<input type="checkbox"/>			
CHACRA	3730	3196		<input type="checkbox"/>			
UPPER CLIFF HOUSE	4375	2551		<input type="checkbox"/>			Cliffhouse is wet
MASSIVE CLIFF HOUSE	4453	2473		<input type="checkbox"/>			
MENEFEE	4517	2409		<input type="checkbox"/>			
Intermediate Casing	4667	2259		<input type="checkbox"/>	130		8-3/4" hole, 7" 20/23 ppf, J-55 STC/LTC casing. Cement with 1052 cuft. Circulate cement to surface.
POINT LOOKOUT	5130	1796		<input type="checkbox"/>			GAS
MANCOS	5464	1462		<input type="checkbox"/>			
UPPER GALLUP	6236	690		<input type="checkbox"/>			
GREENHORN	7126	-200		<input type="checkbox"/>			
GRANEROS	7182	-256		<input type="checkbox"/>			
TWO WELLS	7227	-301		<input type="checkbox"/>	3308		Gas
PAGUATE	7270	-344		<input type="checkbox"/>			
UPPER CUBERO	7334	-408		<input type="checkbox"/>			
LOWER CUBERO	7356	-430		<input type="checkbox"/>			
ENCINAL	7426	-500		<input type="checkbox"/>			Est. Btm Perf - 7434 ( - 508 ) based on offset wells
Total Depth	7449	-523		<input type="checkbox"/>	184		6-1/4" hole, 4-1/2" 11.6 ppf, L-80 LTC casing. Cement with 383 cuft. Circulate cement to a minimum 100' inside previous casing string.
BURRO CANYON	7455	-529		<input type="checkbox"/>			TD - 115' Below T/CBRO

# PROJECT PROPOSAL - New Drill / Sidetrack

PORKCHOP FEDERAL 28 2

DEVELOPMENT

MORRISON 7478 -552 ☐

Reference Wells:		
Reference Type	Well Name	Comments
Production	Porkchop Federal 27 1E	26N 7W 27 NE SW NW
Production	Porkchop Federal 28 1	26N 7W 28 NW NE NE
Production	Porkchop Federal 27 2E	26N 7W 27 S2 NW SE

**Logging Program:**

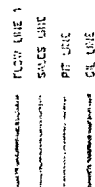
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks



85-1235

[illegible]

Directions from the Intersection of  
Hwy 550 & Hwy 64 in Bloomfield, NM

To:

**ConocoPhillips Company**  
**PORKCHOP FEDERAL 28 #2**

1490' FSL & 2600' FEL,  
Section 28, T26N, R7W, N.M.P.M., Rio Arriba County,  
New Mexico

Latitude: 36 ° 27' 17.731" N  
Longitude: 107 ° 34' 51.685" W  
NAD 1983

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Take Hwy 550 (south) for 22.5 miles to CR 7425  
turn left (northeasterly) on CR 7425 for 7.2 miles  
turn left (north) 0.3 miles  
turn right (east ) 1.0 miles  
turn right (south) 0.4 miles  
turn left (southeast) across Blanco wash 3.6 miles  
continue (southerly) 0.4 miles  
to top of Pork Chop Hill/ Duffers Point,  
continue (east) 0.7 miles  
stay left (northeast) @ y-intersection 0.3 miles  
turn right (east-southeasterly) 2.7 miles,  
turn left (northeasterly) 0.4 miles,  
turn right (north-northeasterly) 2.1 miles,  
turn right (southeasterly) 0.1 miles,  
turn left (northerly) 1.5 miles  
to beginning of new access on right side of road  
turn right (east) 1149.40' to newly staked location.

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