

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 9-25-14

Well information:

Operator Conoco, Well Name and Number Fogelson 35 # 1E

API# 30-045-35600, Section 35, Township 30 NS, Range 11 E (W)

Conditions of Approval:

(See the below checked and handwritten conditions)

- ☒ Notify Aztec OCD 24hrs prior to casing & cement.
- ☐ Hold C-104 for directional survey & "As Drilled" Plat
- ☐ Hold C-104 for NSL, NSP, DHC
- ☐ Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- ☐ Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
  - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
  - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
  - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- ☐ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
- ☒ Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
- ☒ Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.
- ☒ Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

*Charles Allen*

NMOCD Approved by Signature

10-29-14

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial

SF-079962

1a. Type of Work ☒ DRILL ☐ RE-ENTER

SEP 25 2014

b. Type of Well: ☐ Oil Well ☒ Gas Well

Other: \_\_\_\_\_

2. Name of Operator

ConocoPhillips Company

3. Address:

PO Box 4289, Farmington, NM 87499

3a. Phone No. (include area code)

(505) 326-9700

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Fogelson 35 1E

9. API Well No.

30-045-35600

10. Field and Pool or Exploratory

Blanco MV / Basin DK

11. Sec., T., R., M., on Block and Survey or Area

Suf: Sec. 35, T30N, R11W

BHL: N/A

12. County or Parish

San Juan

13. State

New Mexico

At surface Unit P (SESE), 789' FSL & 1147' FEL

Latitude 36.7633914 (NAD 83)

Longitude 107.9555252 (NAD 83)

At BHL N/A

Latitude N/A

Longitude N/A

OIL CONS. DIV DIST. 3

OCT 28 2014

14. Distance in miles from Nearest Town

6 miles from Aztec

15. Distance from Proposed Location to

Nearest Property or Lease Line: 789'

16. Acres in Lease

593.53

17. Acres Assigned to Well:

320 - S 1/2 (DK)

316.83 - S 1/2 (MV)

18. Distance from Proposed Location to Nearest Well,  
Drlg, Compl, or Applied for on this lease

718' from Payne 2 (FC/PC)

19. Proposed Depth

6760'

20. Rotary or Cable Tools

Rotary

21. Elevations (DF, FT, GR, Etc.)

5850'

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program

See Operations Plan attached

24. Authorized by:

Arleen White

(Staff Regulatory Tech)

9/25/14

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.

A gas recovery unit may or may not be used on this location.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

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

NMOC

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

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

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, N.M. 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 87505  
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

Form C-102

Revised August 1, 2011

SEP 25 2014

Submit one copy to appropriate

District Office

FORRESTON FIELD OFFICE  
BUREAU OF LAND MANAGEMENT

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-35600	<sup>2</sup> Pool Code 72319 / 71599	<sup>3</sup> Pool Name BLANCO MESA VERDE / BASIN DAKOTA
<sup>4</sup> Property Code 31550	<sup>5</sup> Property Name FOGELSON 35	<sup>6</sup> Well Number 1E
<sup>7</sup> GRID No. 217817	<sup>8</sup> Operator Name CONOCOPHILLIPS COMPANY	<sup>9</sup> Elevation 5850

<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
P	35	30 N	11 W	LOT 12	789	SOUTH	1147	EAST	SAN JUAN

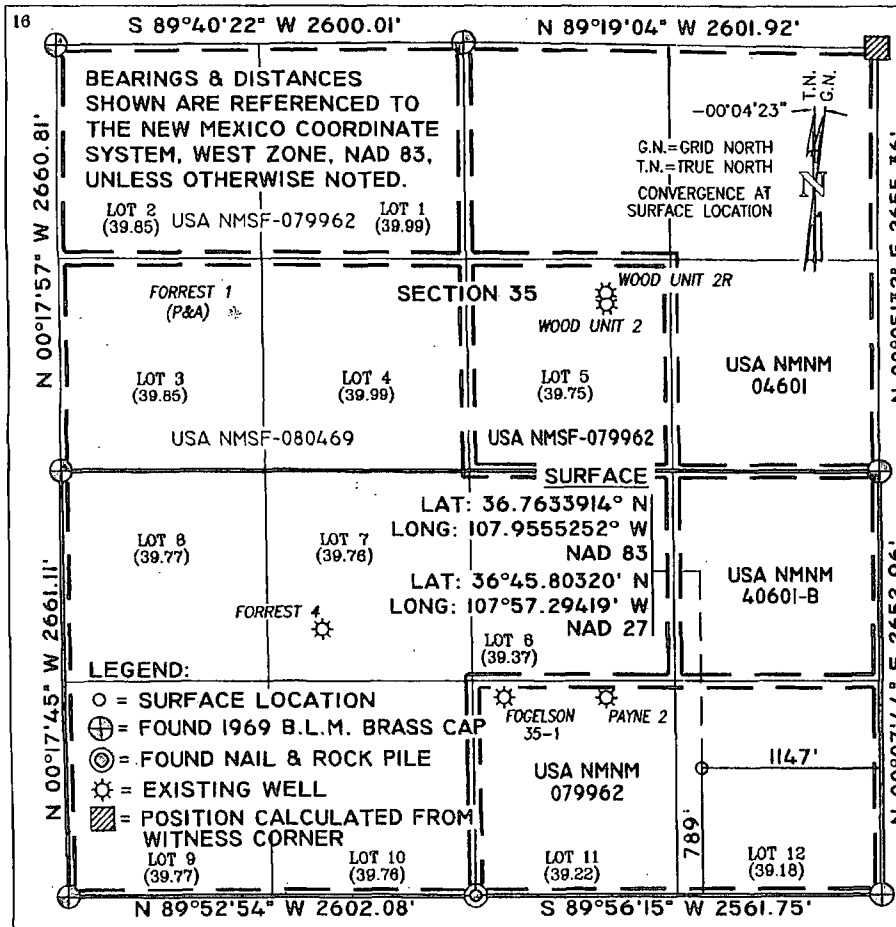
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

OIL CONS. DIV DIST. 3

<sup>12</sup> Dedicated Acres 316.83 (S 1/2) DK 316.83 (S 1/2) MV	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. OCT 28 2014
-------------------------------------------------------------------------	-------------------------------	----------------------------------	----------------------------------------

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

Arleen White 5/13/14  
Signature Date

Arleen White

Printed Name

arleen.r.white@conocophillips.com

E-mail Address

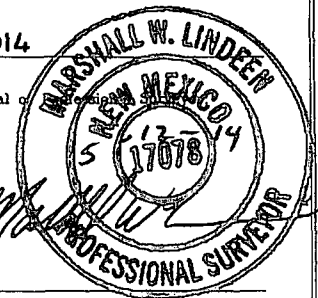
18 SURVEYOR CERTIFICATION

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.

04/25/2014

Date of Survey

Signature and Seal



17078  
Certificate Number

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FOGELSON 35 1E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.4002				AFE \$:	
Field Name: SAN JUAN		Rig: 2016 Pushing Rig		State: NM	County: SAN JUAN		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						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
<b>Location:</b> Surface <b>Datum Code:</b> NAD 27 <b>Straight Hole</b>							
Latitude:		Longitude:		X:	Y:	Section: 35	Range: 011W
Footage X: 1147 FEL		Footage Y: 789 FSL		Elevation: 5850 (FT)	Township: 030N		
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2016		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5865      Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
NACIMIENTO	0	5865		<input type="checkbox"/>			Surface geology
Surface Casing	200	5665		<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 112 cuft. Circulate cement to surface.
OJO ALAMO	863	5002		<input type="checkbox"/>			
KIRTLAND	986	4879		<input type="checkbox"/>			
FRUITLAND	1627	4238		<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2185	3680		<input type="checkbox"/>	165	103	
LEWIS	2307	3558		<input type="checkbox"/>			
HUERFANITO BENTONITE	2926	2939		<input type="checkbox"/>			
CHACRA	3211	2654		<input type="checkbox"/>			
UPPER CLIFF HOUSE	3779	2086		<input type="checkbox"/>			Gas
MASSIVE CLIFF HOUSE	3869	1996		<input type="checkbox"/>	493		Gas
MENEFEE	3922	1943		<input type="checkbox"/>			
Intermediate Casing	4072	1793		<input type="checkbox"/>			8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 918 cuft. Circulate cement to surface.
POINT LOOKOUT	4499	1366		<input type="checkbox"/>			
MANCOS	4884	981		<input type="checkbox"/>			
UPPER GALLUP	5755	110		<input type="checkbox"/>			
GREENHORN	6485	-620		<input type="checkbox"/>			
GRANEROS	6545	-680		<input type="checkbox"/>			
TWO WELLS	6605	-740		<input type="checkbox"/>			Gas
PAGUATE	6655	-790		<input type="checkbox"/>			
CUBERO	6715	-850		<input type="checkbox"/>		195	Est bottom perf 15' below the top of Cubero.
Total Depth	6760	-895		<input type="checkbox"/>			6-1/4" hole, 4-1/2" 11.6 ppf, N/L-80, LTC/BTC casing. Cement w/356 cuft. Circulate cement a minimum of 100' inside the previous casing string.
ENCINAL	6770	-905		<input type="checkbox"/>			Est TD is 10' from Encinal top.
<b>Reference Wells:</b>							

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

FOGELSON 35 1E

DEVELOPMENT

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 ☒ Other

Mud log from ~100' above the Upper Gallup to TD. Mud loggers will call final TD.

## Additional Information:

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

K. All operations will be conducted in such a manner that full compliance is made with the applicable laws and regulations, the Application for Permit to Drill, and applicable Notice(s) to Lessees.

## **VII. Methods for Handling Waste**

A. Cuttings, Drilling Fluids, and Flowback Water - The drill cuttings, drill water and completion fluids will be placed in a lined reserve pit. The pit will be lined with 20m gage pit liner. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The free fluids will be removed after completion or may be trucked and reused in drilling operations or trucked to an approved disposal facility as indicated in ConocoPhillips Drilling / Workover Pit Closure Procedure dated June 28, 2013 on file at the NMOCD office in Aztec, NM.

B. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash container during drilling and completion operations. The accumulated trash will be removed, as needed, and will be disposed of at an authorized sanitary landfill. No trash will be buried or burned on location.

C. Sewage - self-contained, chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped, as needed, and the contents thereof disposed of in an approved sewage disposal facility. The toilets will be onsite during all operations.

D. Immediately after drilling and completing activities have ceased, all debris and other waste materials not contained in the trash containers will be cleaned up and removed from the well location.

## **VIII. Ancillary Facilities**

A. The proposed areas and access roads listed below could be utilized for staging of construction, drilling, and completion equipment to facilitate drilling operations. Additionally, staging could occur, within the permitted right-of-way, along the route shown on Sheet B and described on Sheet C. Staging could take place when the rig moves in or off location. Any proposed temporary use area will be returned to same or better condition than before operations began and will comply with the BLM FFO Bare Soil Reclamation Procedures.

CONOCOPHILLIPS COMPANY

FOGELSON 35 1E

789' FSL & 1147' FEL

LATITUDE: 36.7633914° N

LONGITUDE: 107.9555252° W

NAD 83

SECTION 35, T-30-N, R-11-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

FROM THE INTERSECTION OF NEW MEXICO STATE HIGHWAY 516 AND  
THE U.S. HIGHWAY 550 IN AZTEC, NEW MEXICO.

TRAVEL SOUTHERLY ON U.S. HIGHWAY 550, 4.0 MILES.

TURN LEFT ±200' BEFORE REACHING BLOOMFIELD CITY LIMITS SIGN AND

TRAVEL NORTHEASTERLY 0.2 MILE.

TURN RIGHT AND TRAVEL SOUTHEASTERLY 0.2 MILE.

PASSING THROUGH 4-WAY INTERSECTION. CONTINUE SOUTHEASTERLY 0.1 MILE.

PASSING CATTLE GUARD.

TRAVEL SOUTHEASTERLY 1.0 MILE TO 4-WAY INTERSECTION.

CONTINUE SOUTHEASTERLY 0.3 MILE TO PROPOSED ACCESS ROAD LEADING TO  
FOGELSON 35 1E WELL LOCATION.