

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other: CBM ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
CONOCOPHILLIPS COMPANY  
Contact: PATSY CLUGSTON  
E-Mail: pclugs@ppco.com

3a. Address  
5525 HWY. 64  
FARMINGTON, NM 87401

3b. Phone No. (include area code)  
Ph: 505.599.3454  
Fx: 505-599-3442

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface SENW 2115FNL 1365FWL 36.91278 N Lat, 107.64860 W Lon  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
32.4 MILES EAST OF BLOOMFIELD, NM

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
1365

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.

21. Elevations (Show whether DF, KB, RT, GL, etc.)  
6679 GL

16. No. of Acres in Lease  
2160.00

19. Proposed Depth  
3621 MD  
3621 TVD

22. Approximate date work will start  
06/15/2003

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  
(Electronic Submission)

Name (Printed/Typed)  
PATSY CLUGSTON

Date  
05/08/2003

Title  
AUTHORIZED REPRESENTATIVE

Approved by (Signature)  
DM

Name (Printed/Typed)

Date  
5-29-03

Title  
Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #21575 verified by the BLM Well Information System  
For CONOCOPHILLIPS COMPANY, sent to the Farmington

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".

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

NMOCD

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980  
DISTRICT II  
811 South First, Artesia, N.M. 88210  
DISTRICT III  
1000 Rio Brazos Rd., Artesia, N.M. 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-045-31666</b>		Pool Code <b>71629</b>	Pool Name <b>Basin Fruitland Coal</b>
Property Code <b>009261</b>	Property Name <b>SAN JUAN 32-8 UNIT</b>		Well Number <b>243A</b>
OGRD No. <b>017654</b>	Operator Name <b>PHILLIPS PETROLEUM COMPANY</b>		Elevation <b>6679</b>

<sup>10</sup> Surface Location

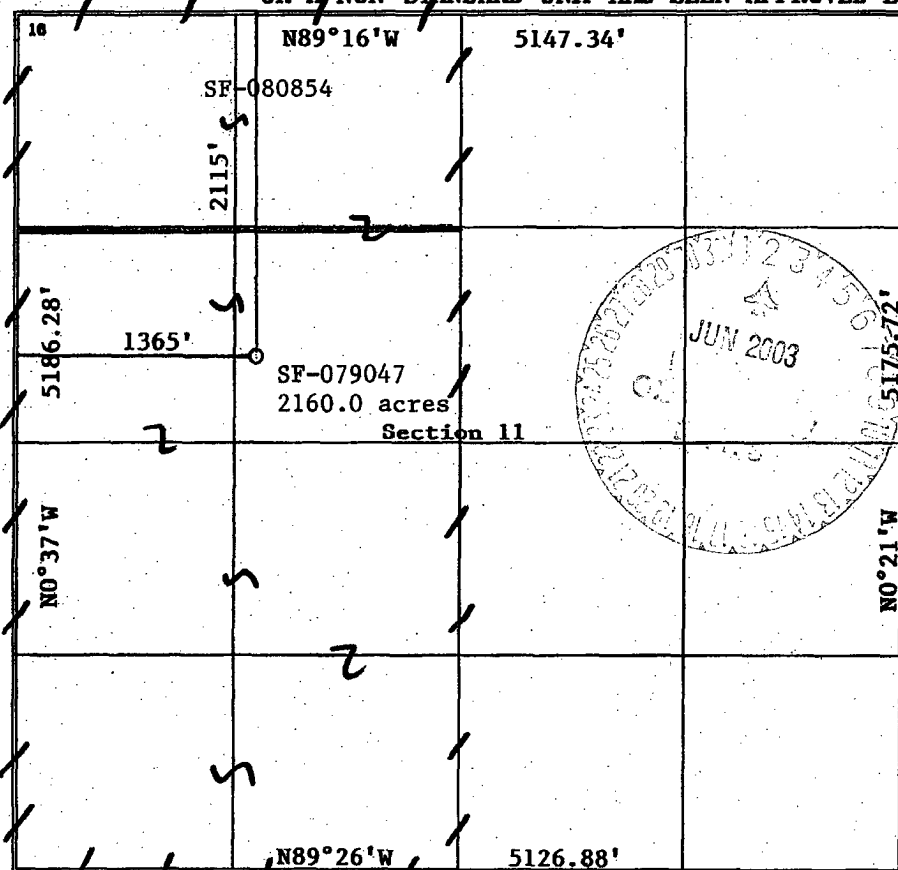
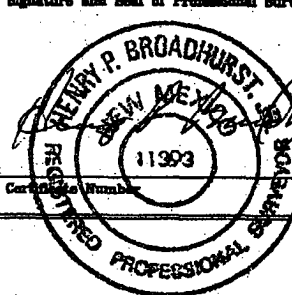
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	31N	8W		2115	NORTH	1365	WEST	SAN JUAN

<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
F									

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320 W/2	Y	U	

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

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Patsy Clugston</i> Signature Patsy Clugston Printed Name Sr. Regulatory Clerk Title October 8, 2002 Date</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>08/27/02 Date of Survey Signature and Seal of Professional Surveyor: </p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
NMSF079047

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
NMMN78424B

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE8. Well Name and No.  
SAN JUAN 32-8 UNIT 243A

2. Name of Operator

CONOCOPHILLIPS COMPANY

Contact: PATSY CLUGSTON  
E-Mail: pclugs@ppco.com9. API Well No.  
30-045-31666-00-X1

3a. Address

THREE WESTLAKE PARK W-4106  
HOUSTON, TX 77252

3b. Phone No. (include area code)

Ph: 505.599.3454  
Fx: 505-599-344210. Field and Pool, or Exploratory  
BASIN FRUITLAND COAL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 11 T31N R8W SENW 2115FNL 1365FWL  
36.91278 N Lat, 107.64860 W Lon

11. County or Parish, and State

SAN JUAN COUNTY, NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

## Change in BOP Configuration

Plans have changed from the original BOP design submitted with the APD. The current configuration from a 11" 3000# Double BOP with blinds on bottom & pipe rams on the top will be changed to an 11" 3000# single BOP with blind rams below an 11" Hydril Annual BOP, capable of closing on all pipe configurations COP is currently utilizing. The annular BOP will be tested to 1500 psi.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #21968 verified by the BLM Well Information System  
For CONOCOPHILLIPS COMPANY, sent to the Farmington  
Committed to AFMSS for processing by Adrienne Garcia on 05/19/2003 (03AXG1208SE)

Name (Printed/Typed) PATSY CLUGSTON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 05/16/2003

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

/s/ David J. Markiewicz

Title

MAY 29 2003

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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 representations as to any matter within its jurisdiction.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMCCD

CONOCOPHILLIPS COMPANY

WELL NAME: San Juan 32-8 Unit #243A

DRILLING PROGNOSIS

1. Location of Proposed Well: Unit F, 2115' FNL & 1365' FWL  
Section 11, T31N, R8W
2. Unprepared Ground Elevation: @ 6679'
3. The geological name of the surface formation is San Jose.
4. Type of drilling tools will be rotary.
5. Proposed drilling depth is 3621'.
6. The estimated tops of important geologic markers are as follows:

<u>Nacimiento - 1071'</u>	<u>Base of Coal - 3571'</u>
<u>Ojo Alamo - 2396'</u>	<u>Intermediate casing - 3271'</u>
<u>Kirtland - 2476'</u>	<u>Picture Cliffs - 3571'</u>
<u>Fruitland - 3206'</u>	<u>T. D. - 3621'</u>

TD includes 50' of sump/rathole and ConocoPhillips will comply with the BLM/OCD's Conditions of Approval for the proposed sump/rathole in this non-producing Pictured Cliffs Formation.

7. The estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

Water:	<u>Ojo Alamo - 2396' - 2476'</u>
Oil:	<u>none</u>
Gas:	<u>Fruitland Coal - 3206' - 3571'</u>
Gas & Water:	<u>Fruitland Coal - 3206' - 3571'</u>

8. The proposed casing program is as follows:

Surface String: 9-5/8", 32.3#, H-40 @ 200' \*  
Intermediate String: 7", 20#, J/K-55 @ 3271'  
Production Liner: 5-1/2", 15.5# J/K-55 @ 3251' - 3621' (see details below)

\* The surface casing will be set at a minimum of 200', but could be set deeper if required to maintain hole stability.

9. Cement Program:  
Surface String: 123.2 *Circulate Cement* sx Class G cement with 1.16 cuft/sx yield, 2% bwoc CaCl<sub>2</sub> (S001), 0.25#/sx Cellophane Flake (D029) = 142.9 cf

9. Cement program: (continued from Page 1)

Intermediate String:

*TOG - min 100' above base of surface CSG*

Lead Cement: 412.3 sx Class G w/3% D079 (chemical extender) 0.25#/sx D029 (Cellephone flakes, 0.05 GPS D047 (Antifoam Agent) 0.2% D046 Flocele (All purpose antifoam agent) mixed at 11.7 ppg and yield of 2.61 cuft/sx = 1076 cf.

Tail: 96.8 sx - 50/50/G/POZ cement w/2% D020 (Bentonite Extender), 2% S001 (CaCl<sub>2</sub>), 5#/sx D024 (Gilsonite), 1/4#/sx D029 (Cellephone flakes) & 1% D046 (all purpose antifoam agent) @ a weight of 13.5 ppg and yield of 1.27 cuft/sx = 122.93 cf.

Note: ConocoPhillips Company continually works to improve the cement slurries on our wells. Our Cementing Service Companies are currently trying to improve what we are using now and before we would use a new cement program it would have to have stronger properties than we are currently using.

Centralizer Program:

Surface: Total four (4) - 10' above shoe and top of 2<sup>nd</sup>, 3<sup>rd</sup>, & 4<sup>th</sup> jts.

Intermediate: Total seven (7) - 10' above shoe and top of 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, & 1<sup>st</sup> jt. into shoe.

Turbulators: Total three (3) - one at 1<sup>st</sup> jt below Ojo Alamo and next 2 jts up.

Liner :

- If the coal is cleated a 5 1/2" 15.5# liner will be run in the open hole without being cemented.
- If the coal is NOT cleated, a 4-1/2" 11.6# liner will be run & cemented. The well will then be completed by fracture stimulation. The top of the liner will be set approx. 200' into the 7" casing and be set @ TD and be cement in place as follows:

Lead Cement: Approx. 150% excess - Standard with 3% Econolite + 10 lbs/sx Gilsonite + 0.5 lbs/sx Flocele + mixed at 11.4 ppg with a yield of 2.91 ft<sup>3</sup>/sx

Tail: 50/50 Poz Standard with 0.25 lbs/sx Flocele + 5 lbs/sx Gilsonite + 2% Bentonite and 2% CaCl<sub>2</sub> mixed at 13.5 ppg with a 1.33 ft<sup>3</sup>/sx yield.

10. The minimum specifications for pressure control equipment which are to be used, a schematic diagram thereof showing sizes, pressure ratings (or) API series and the testing procedure and testing frequency are enclosed within the APD packet.

**San Juan 32-8 Unit #243A  
NMSF079047; Unit F, 2115' FNL & 1365' FWL  
Section 11, T31N, R8W; San Juan County, NM**

**Cathodic Protection**

ConocoPhillips proposes to drill a cathodic protection deep well groundbed for the subject well. Will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on existing well pad and a Farmington based company will be doing the drilling for ConocoPhillips.