

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: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMSF079381
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCOPHILLIPS COMPANY		7. If Unit or CA Agreement, Name and No.
3a. Address 5525 HWY. 64 FARMINGTON, NM 87401		8. Lease Name and Well No. SAN JUAN 32-8 UNIT 205A
3b. Phone No. (include area code) Ph: 505-599-3454 Fx: 505-599-3442		9. API Well No. 3004531667
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESE 1525FSL 1110FEL 36.93694 N Lat, 107.65670 W Lon At proposed prod. zone		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
14. Distance in miles and direction from nearest town or post office* 38.2 MILES FROM BLOOMFIELD, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 34 T32N R8W Mer NMP SME: BLM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1110	16. No. of Acres in Lease 2240.00	12. County or Parish SAN JUAN
17. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	18. Proposed Depth 3841 MD 3841 TVD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6871 GL	22. Approximate date work will start 06/15/2003	17. Spacing Unit dedicated to this well 320.00 E/P
20. BLM/BIA Bond No. on file ES0085		23. Estimated duration 30 DAYS

24. Attachments

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- 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 05/07/2003
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature)	Name (Printed/Typed)	Date
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 #21573 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 **

NMOC

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
811 South First, Artesia, N.M. 88210

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

DISTRICT IV
3040 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 30-045-31667		Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 31330	Property Name SAN JUAN 32-8 UNIT		Well Number 205A
GRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY		Elevation 6871

¹⁰ Surface Location

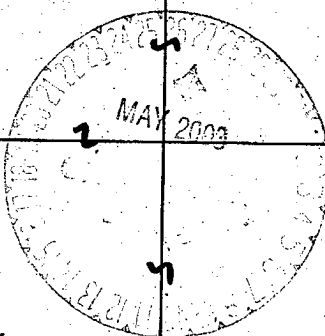
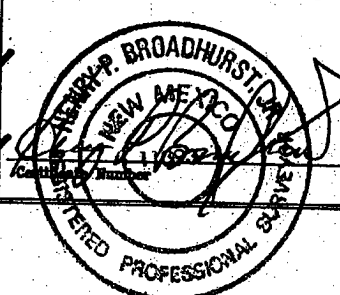
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
I	34	32N	8W		1525	SOUTH	1110	EAST	SAN JUAN

¹¹ 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
I									

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

18	S89°59'W	5172.42'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Patsy Clugston</i> Signature Patsy Clugston Printed Name SHEAR Administrative Asst. Title 2-20-03 Date
5263.50'				
Section 34				
SF-079381 2240.0 acres				
N0°06'W				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. 12/13/02 Date of Survey Signature and Seal of Professional Surveyor: 
N88°57'W	2601.06'	S89°16'W	2571.36'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.
NMSF079381

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.
NMNM78424B

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE

8. Well Name and No.
SAN JUAN 32-8 UNIT 205A

2. Name of Operator
CONOCOPHILLIPS COMPANY

Contact: PATSY CLUGSTON
E-Mail: pcliugs@ppco.com

9. API Well No.
30-045-31667-00-X1

3a. Address
THREE WESTLAKE PARK W-4106
HOUSTON, TX 77252

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

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

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

Sec 34 T32N R8W NESE 1525FSL 1110FEL
36.93694 N Lat, 107.65670 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 Annular BOP, capable of closing on all pipe configurations COP is currently utilizing. The annular BOP will be tested to 1500 psi.

Annular

14. Thereby certify that the foregoing is true and correct.

**Electronic Submission #21963 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 (03AXG1206SE)**

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. Mankiewicz*

Title

MAY 22 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 ****

NMOC

CONOCOPHILLIPS COMPANY

WELL NAME: San Juan 32-8 Unit #205A

DRILLING PROGNOSIS

1. Location of Proposed Well: Unit I, 1525' FSL & 1110' FEL
Section 34, T32N, R8W
2. Unprepared Ground Elevation: @ 6871'
3. The geological name of the surface formation is San Jose.
4. Type of drilling tools will be rotary.
5. Proposed drilling depth is 3841'.
6. The estimated tops of important geologic markers are as follows:

<u>Nacimiento - 1091'</u>	<u>Base of Coal - 3771'</u>
<u>Ojo Alamo - 2536'</u>	<u>Intermediate casing - 3521'</u>
<u>Kirtland - 2591'</u>	<u>Picture Cliffs - 3771'</u>
<u>Fruitland - 3331'</u>	<u>T. D. - 3841'</u>

TD includes 70' 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 - 2536' - 2591'</u>
Oil:	<u>none</u>
Gas:	<u>Fruitland Coal - 3331' - 3771'</u>
Gas & Water:	<u>Fruitland Coal - 3331' - 3771'</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 @ 3521'

Production Liner: 5-1/2", 15.5# J/K-55 @ 3501' - 3841' (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: *Circulate cement*
Surface String: 123.2 sx Class G cement with 1.16 cuft/sx yield, 2% bwoc CaCl2 (S001), 0.25#/sx Cellophane Flake (D029) = 142.9 cf

9. Cement program: (continued from Page 1)

Intermediate String:

TOC must overlap 100' w/ bottom of 8" casing

Lead Cement: 448.3 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 = 1170 cf.

Tail: 96.8 sx - 50/50/G/POZ cement w/2% D020 (Bentonite Extender), 2% S001 (CaCl₂), 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 2nd, 3rd, & 4th jts.

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

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

Liner :

- If the coal is clefted a 5 1/2" 15.5# liner will be run in the open hole without being cemented.
- If the coal is NOT clefted, 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 ft³/sx

Tail: 50/50 Poz Standard with 0.25 lbs/sx Flocele + 5 lbs/sx Gilsonite + 2% Bentonite and 2% CaCl₂ mixed at 13.5 ppg with a 1.33 ft³/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 #205A

SURFACE CASING :

Drill Bit Diameter	9.25"	
Casing Outside Diameter	9.625"	8.989
Casing Weight	32.3	ppf
Casing Grade	H-40	
Shoe Depth	200'	40'
Cement Yield	123.2	cuft/sk
Excess Cement	100	%

Casing Capacity	0.0785 bbl/ft	0.4407 cuft/ft
Hole / Casing Annulus Capacity	0.0568 bbl/ft	0.3132 cuft/ft

Cement Required 123.2 sx

SHOE 200', 9.625", 32.3 ppf, H-40

INTERMEDIATE CASING :

Drill Bit Diameter	8.25"	
Casing Outside Diameter	8.5"	6.455
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3521'	
Lead Cement Yield	2.5	cuft/sk
Lead Cement Excess	150	%
Tail Cement Length	300'	45'
Tail Cement Yield	1.27	cuft/sk
Tail Cement Excess	130	%

Casing Capacity	0.0405 bbl/ft	0.2272 cuft/ft
Casing / Casing Annulus Capacity	0.0309 bbl/ft	0.1734 cuft/ft
Hole / Casing Annulus Capacity	0.0268 bbl/ft	0.1503 cuft/ft

Lead Cement Required 448.3 sx
Tail Cement Required 96.8 sx

LINER TOP 3501'

SHOE 3521', 7", 20 ppf, J-55

LINER BOTTOM 3501'

**San Juan 32-8 Unit #205A
NMSF079381; Unit I, 1525' FSL & 1110' FEL
Section 34, T32N, 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.