

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

5. Lease Serial No.
SF-078497

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

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

8. Lease Name and Well No.
SAN JUAN 28-7 231F

2. Name of Operator
CONOCO INC.

Contact: VICKI WESTBY
E-Mail: Vicki.R.Westby@conoco.com

9. API Well No.

30-039-26974

3a. Address
10 DESTA DR., ROOM 608W
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 915.686.5799 Ext: 5799

10. Field and Pool, or Exploratory
BLANCO MESAVERDE/BASIN DAKOTA

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

At surface SENW 1330FNL 2420FWL
At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area

Sec 16 T28N R7W Mer NMP

14. Distance in miles and direction from nearest town or post office*

12. County or Parish
RIO ARRIBA

13. State
NM

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

16. No. of Acres in Lease

17. Spacing Unit dedicated to this well

320.00 W/2

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

19. Proposed Depth

7327 MD

20. BLM/BIA Bond No. on file

21. Elevations (Show whether DF, KB, RT, GL, etc.)
6229 GL

22. Approximate date work will start

23. Estimated duration

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

24. Attachments

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

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)
VICKI WESTBY

Date
04/02/2002

Title
AUTHORIZED SIGNATURE

Approved by (Signature)

Name (Printed/Typed)

Date
12/21/06

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)

(PA)

Electronic Submission #10185 verified by the BLM Well Information System
For CONOCO INC., will be sent to the Farmington

Submit pit permit application prior to building well pad.

NMOCD

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District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO 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 30-039-26974		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 231F
*GRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6229'

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
F	16	28N	7W		1330	NORTH	2420	WEST	RIO ARriba

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

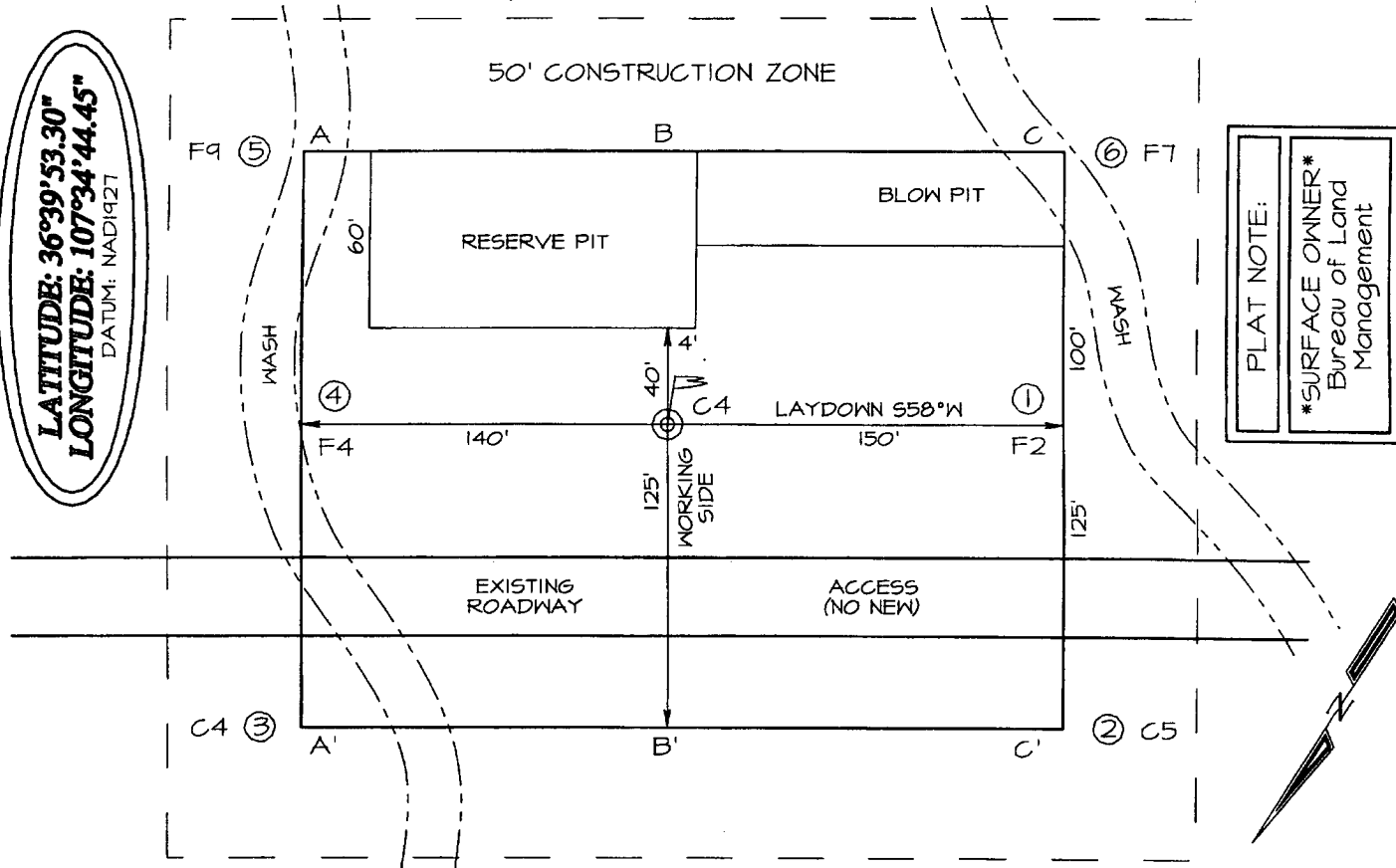
¹² Dedicated Acres 320.0 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div><p>¹⁶</p><p>2420'</p><p>1330'</p><p>SF-078497</p><p>SF-078417</p><p>16</p><p>5280.00'</p></div>	<p>¹⁷ 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>Vicki R. Westby</i> Signature Vicki R. Westby Printed Name Sr. Title Analyst Title <i>March 6, 2002</i> Date</p>
	<p>¹⁸ 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>Survey Date: DECEMBER 11, 2001</p> <p>Signature and Seal of Professional Surveyor</p> <div><p>JASON C. EDWARDS Certificate Number 15269</p></div>

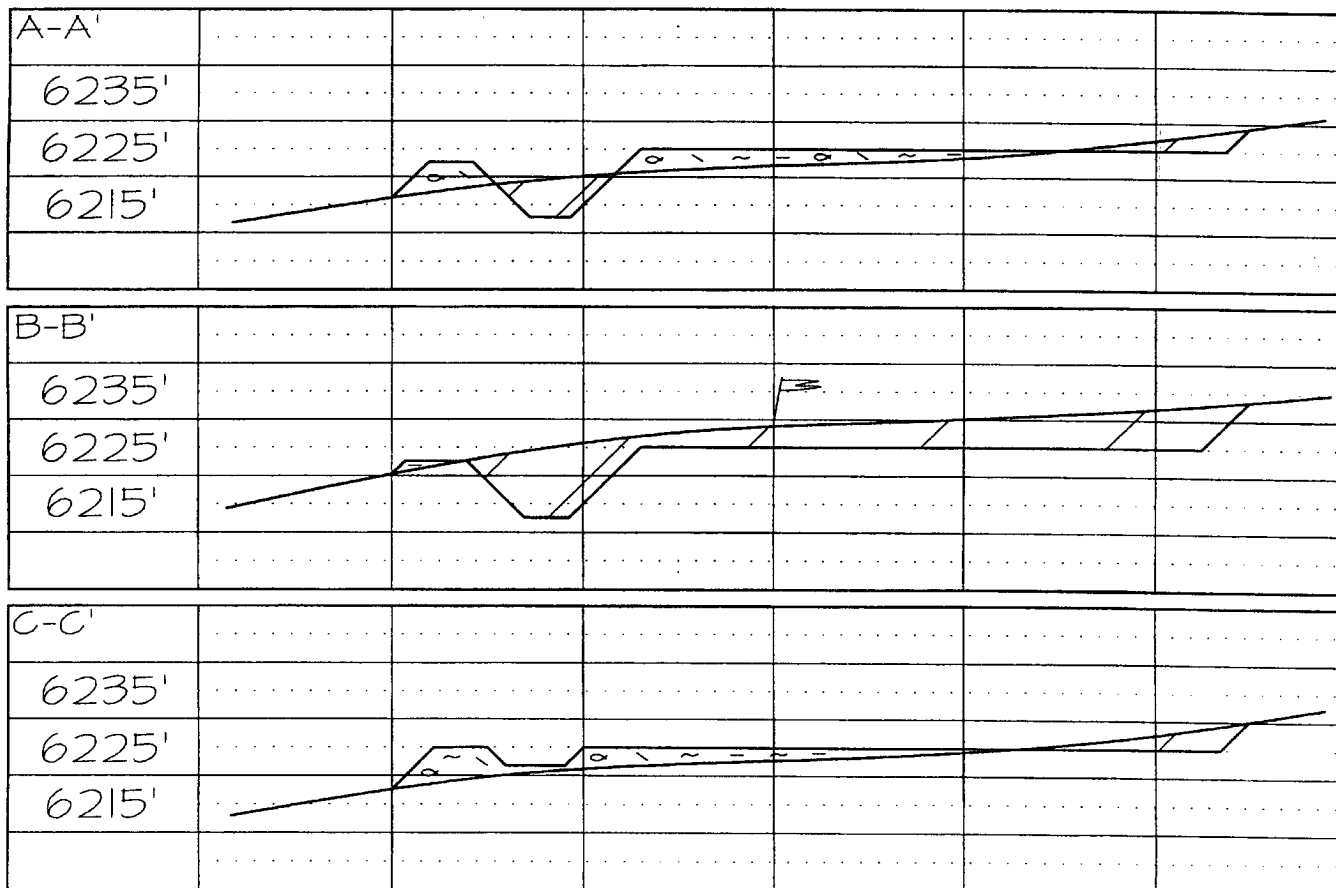
CONOCO, INC. SAN JUAN 28-7 UNIT #231F
1330' FNL, 2420' FWL, SECTION 16, T28N, R7W, NMPM
RIO ARriba COUNTY, NEW MEXICO GROUND ELEVATION: 6229'

LATITUDE: 36°39'53.30"
LONGITUDE: 107°34'44.45"
 DATUM: NAD1927



PLAT NOTE:

SURFACE OWNER
 Bureau of Land
 Management



PROJECT PROPOSAL - New Drill / Sidetrack



Well : SAN JUAN 28-7 231F	Lease : SAN JUAN 28-7	AFE # :		AFE \$:
Field Name : EAST 28-7	Rig :	State : NM	County : San Juan	API # :
Geoscientist : Glaser, Terry J	Phone : (281) 293 - 6538	Prod. Engineer : Moody, Craig E.	Phone : (281) 293 - 6559	
Res. Engineer : Shannon, Marc	Phone : (281) 293 - 6564	Proj. Field Lead :	Phone :	

Primary Objective (Zones) :

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

"Air Drilled."

Surface Location :

Latitude : 36.664806	Longitude : -107.5790	X :	Y :	Section : 16	Survey : 28N	Abstract : 7W
Footage X : 2420 FWL	Footage Y : 1330 FNL	Elevation: 6229 (FT)				

Bottom Hole Location :


Latitude :	Longitude :	X :	Y :	Section :	Survey :	Abstract :
Location Type : Year Round	Start Date (Est.) :	Completion Date :		Date In Operation :		

Formation Data : Assume KB = 6142 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion	BHP (PSIG)	BHT	Remarks
Surface Casing	304	5838				Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	1919	4223				Possible water flows"
KRLD	2037	4105				
FRLD	2557	3585				Possible gas
PCCF	2807	3335				
LEWS	3207	2935				
Intermediate Casing	3307	2835				7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	3757	2385				
CLFH	4442	1700				Gas; possibly wet
MENF	4602	1540				Gas
PTLK	4992	1150		1300		Gas
MNCS	5292	850				
GLLP	6007	135				
GRHN	6977	-835				Gas possible, highly fractured
TWLS	7072	-930				Gas
CBBO	7202	-1060				Gas

PROJECT PROPOSAL - New Drill / Sidetrack



Total Depth	7327	-1185		3000		4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.
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Logging Program :

Intermediate Logs :

☐ Log only if show ☐ GR / ILD ☐ Triple Combo

TD Logs :

☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT

Additional Information :

Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.
Cased hole TDT with GR to surface.

Comments :

Cathodic Protection System Description

Anode Bed Type	Deep Well	
Hole Size	8"	
Hole Depth	200' - 500'	As required to place anodes below moisture and in low resistance strata.
Surface Casing	8" Diam., \geq 20' Length. Cemented in Annular Space	When needed, casing will be installed at an adequate depth to control ground water flow. Casing will extend a minimum of 2' above grade, be surrounded by a concrete pad, and sealed with a PVC cap. Steel casing will be substituted when boulders are encountered.
Vent Pipe	1" Diam. PVC	Vent pipe will extend from bottom of hole, through top of casing cap, and sealed with a 1" perforated PVC cap.
Type Of Anodes	Cast Iron Or Graphite	
Number Of Anodes	8 - 20	Sufficient quantity to achieve a total anode bed resistance of < 1 ohm and a design life \geq 20 years.
Anode Bed Backfill	Loreau SW Calcined Petroleum Coke Briquets	Installed from bottom of hole to 10' above top anode.
Anode Junction Box	8 - 20 Circuit Fiberglass Or Metal	Sealed to prevent insect & rodent intrusion.
Current Splitter Box	2 - 5 Circuit Metal	Sealed to prevent insect & rodent intrusion.
DC / AC Cable	DC: #2, #4, #6, #8 Stranded Copper (One Size Or Any Combination Of) With High Molecular Weight Polyethylene (HMWPE) Insulation. AC: #8 Stranded Copper HMWPE	18" depth in typical situation, 24" depth in roadway, & 36" depth in arroyos and streams. EXCEPTION: If trenching is in extremely hard substratum, depth will be 8 - 12" with cable installed in conduit. Installed above foreign pipelines if 1' clearance is available. If not, installed under foreign pipeline with 1' clearance (AC cable always installed under foreign pipeline in conduit).
Power Source	1) Rectifier 2) Solar Power Unit 3) Thermoelectric Generator	Choice of power source depending on availability of AC & other economic factors.
External Painting	Color to be selected according to BLM specifications.	Paint applied to any surface equipment associated with the CP system which can reasonably be painted.

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078497
2. Name of Operator CONOCO INC		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 2197, DU 3084 HOUSTON, TX 77252-2197		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799		8. Well Name and No. SAN JUAN 28-7 UNIT 231F
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 16 T28N R7W SENW 1330FNL 2420FWL		9. API Well No. 30-039-26974-00-X1
		10. Field and Pool, or Exploratory BASIN DAKOTA BLANCO MESAVERDE
		11. County or Parish, and State RIO ARRIBA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompletion 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.)

Conoco Inc. proposes to make changes to the surface casing on the above mentioned well. The wellbore changes proposed are as follows:

Raise Permitted Surface Casing Depth to 200' as per NMOCD Minimum Required Depth for wells in San Juan Basin, NM with intermediate casing set from 3001'-5000'.

For Surface Cement change to 13.5 ppg Type III Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sag Cello Flake + 3% bwoc Bentonite + 80.7% Fresh Water.

Test Surface Casing to 500 psig.



14. I hereby certify that the foregoing is true and correct. Electronic Submission #12926 verified by the BLM Well Information System For CONOCO INC, sent to the Farmington Committed to AFMSS for processing by Adrienne Garcia on 07/22/2002 (02AXG0375SE)	
Name (Printed/Typed) VICKI WESTBY	Title AUTHORIZED SIGNATURE
Signature (Electronic Submission)	Date 07/19/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title	Date 10/4/08
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 PFO

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOCD 6