

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 ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
CONOCO INC.

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

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

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

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

At surface NESW 1925 FSL 1855FWL

At proposed prod. zone NWSW 2400 FSL 500 FWL

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

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

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

19. Proposed Depth

7779 MD

21. Elevations (Show whether DF, KB, RT, GL, etc.)
6761 GL

22. Approximate date work will start

5. Lease Serial No.

SF-078496-07865-A

6. If Indian, Allottee or Tribe Name

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

8. Lease Name and Well No.

San Juan 28-7 261F

9. API Well No.

30-039-26987

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

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

Sec 5 T27N R7W Mer NMP

K

12. County or Parish
RIO ARRIBA

13. State
NM

17. Spacing Unit dedicated to this well

320.52

20. BLM/BIA Bond No. on file

23. Estimated duration

This action is subject to technical and
procedural review pursuant to 43 CFR 31.65.3
and 43 CFR 31.65.4

24. Attachments

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

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)

Vicki Westby

Name (Printed/Typed)

VICKI WESTBY

Date

4/19/02

Title

AUTHORIZED SIGNATURE

Approved by (Signature)

/s/ David J. Mankiewicz

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

** DRAFT ** DRAFT ** DRAFT ** DRAFT ** DRAFT ** DRAFT ** DRAFT **

HOLD C104 FOR

Directional Survey

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

District II
PO Drawer 00, 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 30-039-26987		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 016E08	*Property Name SAN JUAN 28-7 UNIT		*Well Number 261F
*GRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6761'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1ch	Feet from the	North/South line	Feet from the	East/West line	County
K	5	27N	7W		1925	SOUTH	1855	WEST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1ch	Feet from the	North/South line	Feet from the	East/West line	County
L	5	27N	7W		2400	SOUTH	500	WEST	RIO ARriba

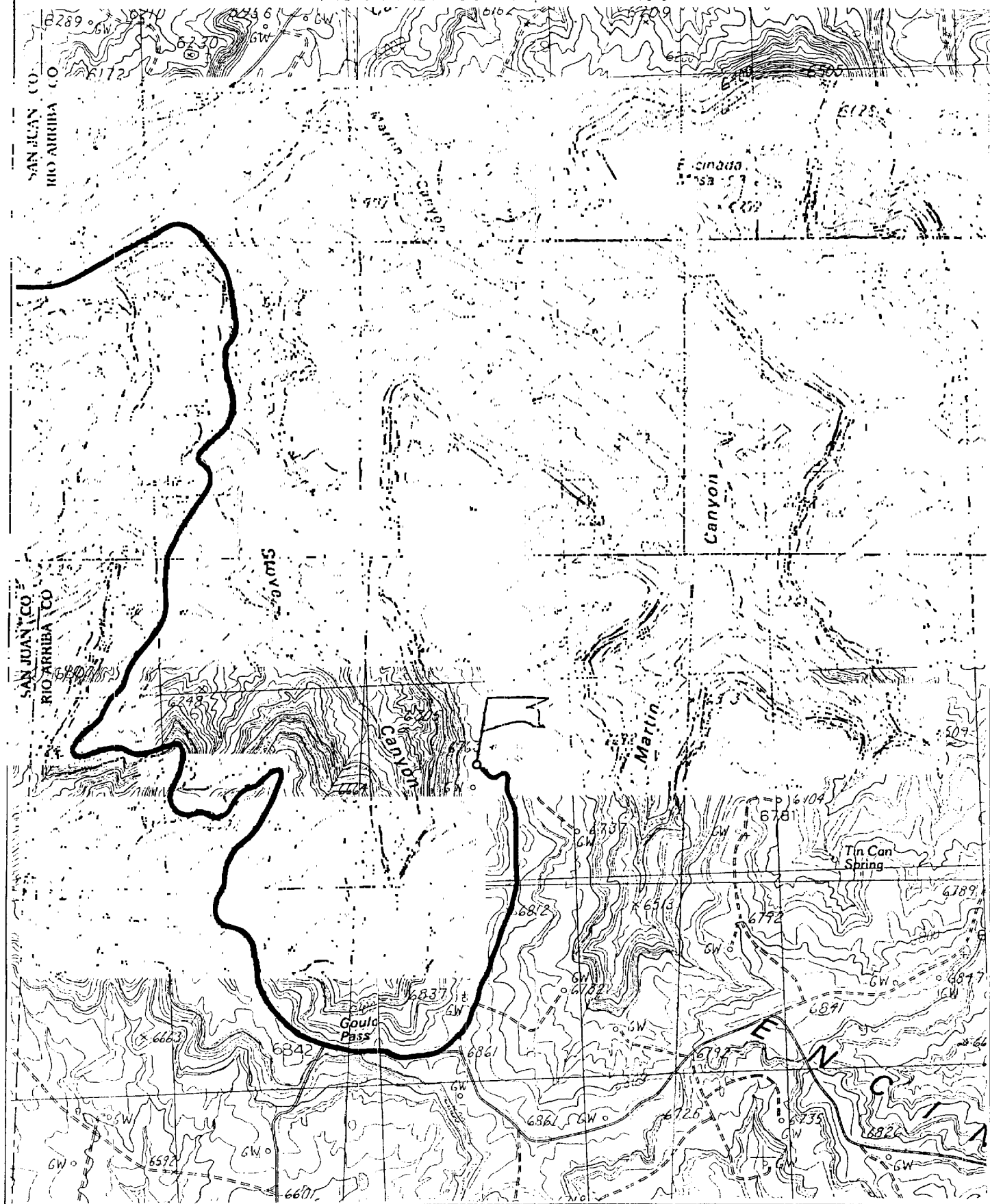
¹² Dedicated Acres 320.52 Acres - (W/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>LOT 4 LOT 3 LOT 2 LOT 1</p> <p>SF-078496</p> <p>BOTTOM HOLE LOCATION</p> <p>SURFACE LOCATION</p> <p>500'</p> <p>1855'</p> <p>2400'</p> <p>1925'</p> <p>5276.70'</p>	<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 Westby</i> Signature Vicki R. Westby</p> <p>Printed Name Sr. Title Analyst</p> <p>Title Date <i>March 4, 2002</i></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 20, 2001</p> <p>Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p>
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1925' FSL & 1855' FWL, SECTION 5, T27N, R7W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO

1925' FSL & 1855' FWL, SECTION 5, T27N, R7W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



DRILLING PROGRAM - SAN JUAN 28-7 261F

"Air Drilled"



Business Unit

Well: SAN JUAN 28-7 261F	Area: EAST	AFE #s:		AFE \$: 6331955.5	
Field Name: EAST 28-7	Rig: Key 43	State: NM	County: Rio Arriba	API #:	
Location: Bottom Hole					
Lat.: 36.602126	Long: -107.603734	Footage X: 500	FWL	Footage Y: 2400	FSL
		Sec.: 5	Survey: 27N	Abstract: 7W	
ERA (Emergency Response Area):					
Lat:		Long:			

Formation Data : Ground Level = FT Assume KIB = 6774 FT

Formation Call && Casing Points	Depth (TVD in Ft)	BHP (PSIG)	BHT	Remarks
Surface Casing	200			Severe Lost Circulation Possible. 12 1/4" Hole. 9 5/8", 36 ppf, J-55, STC casing. Cemented to surface. 100% Excess.
OJAM	2414			Possible water flows
KRLD	2514			
FRLD	2864			Possible gas
PCCF	3244			
LEWS	3444			
Intermediate Casing	3544			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface. 150% Excess.
CHRA	4214			
CLFH	4949			Gas; possibly wet
MENF	5024			Gas
PTLK	5504			Gas
MINCS	5864			
GLLP	6749			
GRHN	7429			Gas possible, highly fractured
TWLS	7504			Gas
CBBO	7664			Gas
Total Depth	7779			6 1/4" Hole. 4 1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. 50% Excess. No open hole logs. Cased hole TDT with GR to surface.

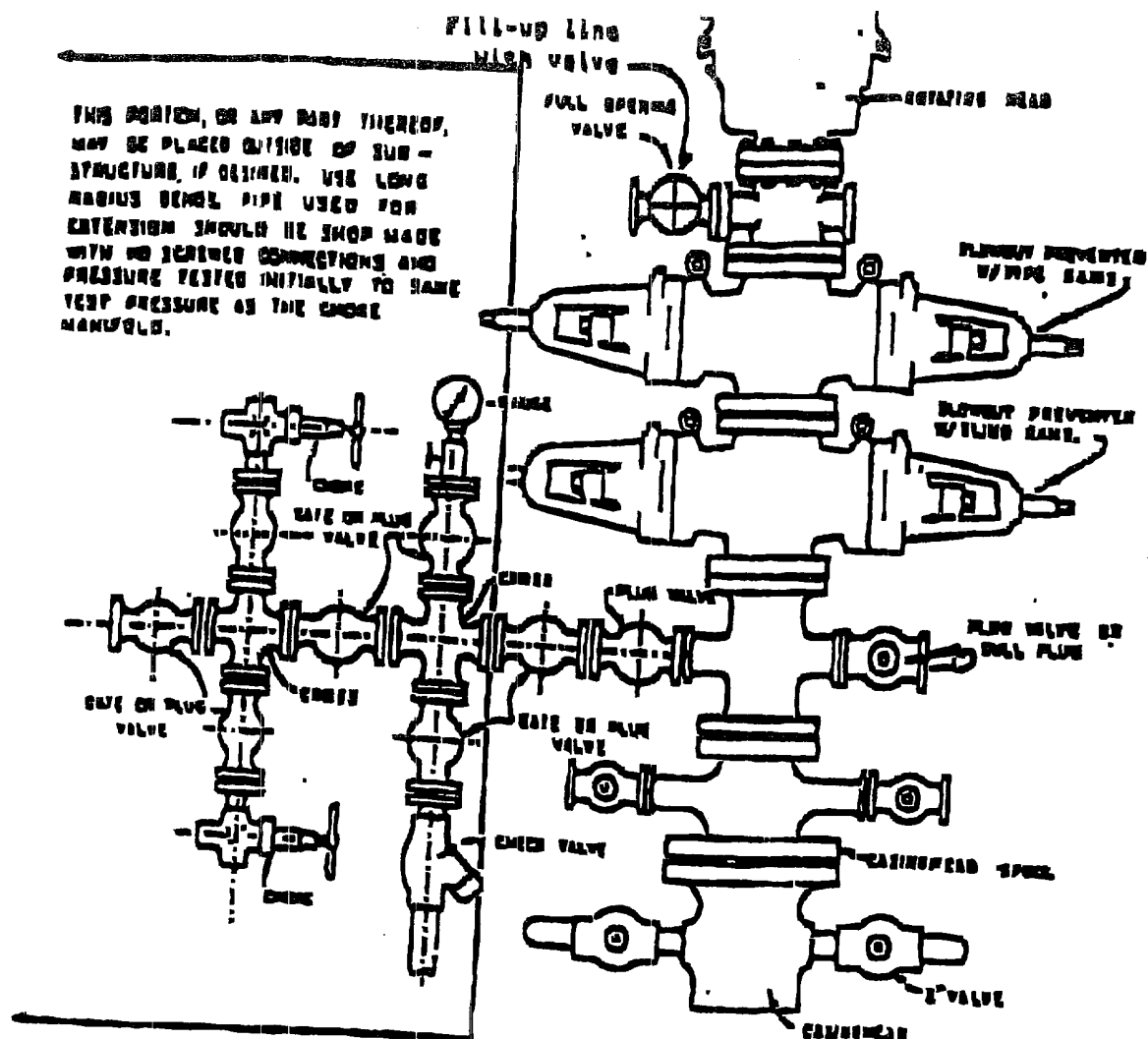
Logging Program

Intermediate Logs: ☐ Log only if show ☐ GR / ILC ☐ Triple Comb ☐ Other

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

Additional Information:

Comments



BLOWOUT PREVENTER HOOKUP

Drilling contractors used in the San Juan Basing supply 3000 psi equipment, but cannot provide annular preventors because of sub-structure limitations. Maximum anticipated surface pressures for this well will not exceed the working pressure of the proposed BOP system. Please see the attached BOP diagram details 2000 psi equipment according to Onshore Order No. 2 even though the deletion of the annular preventor and fulfills your requirements (note diagram No. 1). In addition, the following equipment will comprise the 3000 psi system:

1. Two rams with one blind and one pipe ram.
2. Kill line (2 inch maximum).
3. One kill line valve.
4. One choke line valve.
5. Two chokes (reference diagram No. 1).
6. Upper kelly cock valve with handle.
7. Safety valve and subs to fit all drill strings in use.
8. Two-inch minimum choke line.
9. Pressure gauge on choke manifold.
10. Fill-up line above the upper most preventor.
11. Rotating head.

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	Loracoo SW Calcined Petroleum Coke Breeze	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 6 - 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.