

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. SF-078496
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCO INC.		7. If Unit or CA Agreement, Name and No.
Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com		8. Lease Name and Well No. SAN JUAN 28-7 182F
3a. Address 10 DESTA DR., ROOM 603W MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799	9. API Well No. 3003927000
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SENE 2540FNL 215FEL At proposed prod. zone		10. Field and Pool, or Exploratory BLANCO MESAVERDE/BASIN DAKOTA
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area Sec 3 T27N R7W Mer NMP
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	12. County or Parish RIO ARRIBA
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 7699 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6586 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well 319.25 E/2
23. Estimated duration		20. BLM/BIA Bond No. on file

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) <i>Vicki Westby</i>	Name (Printed/Typed) VICKI WESTBY	Date 05/06/2002
Title AUTHORIZED SIGNATURE		
Approved by <i>David J. Mankiewicz</i>	Name (Printed/Typed)	Date MAY 21 2002
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

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

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

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NMOC

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 <b>30-039-27000</b>		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 182F
*OGRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6586'

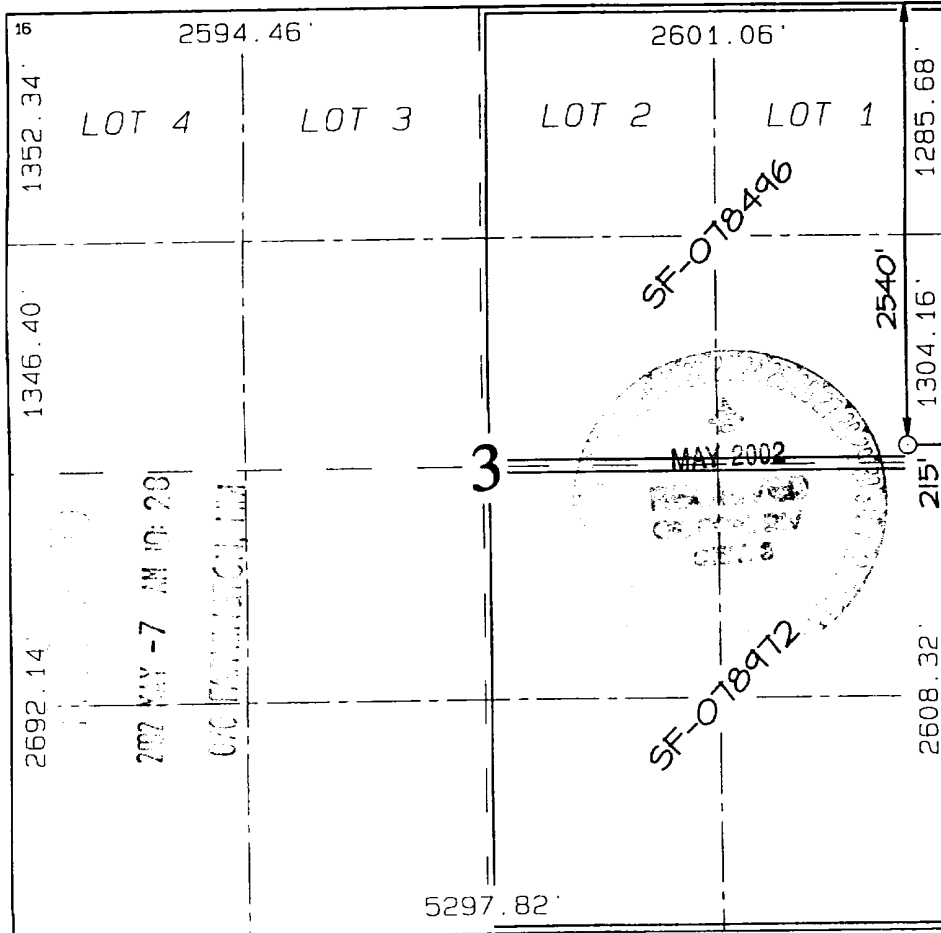
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	3	27N	7W		2540	NORTH	215	EAST	RIO ARriba

<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
<sup>12</sup> Dedicated Acres 319.25 Acres - (E/2)					<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.

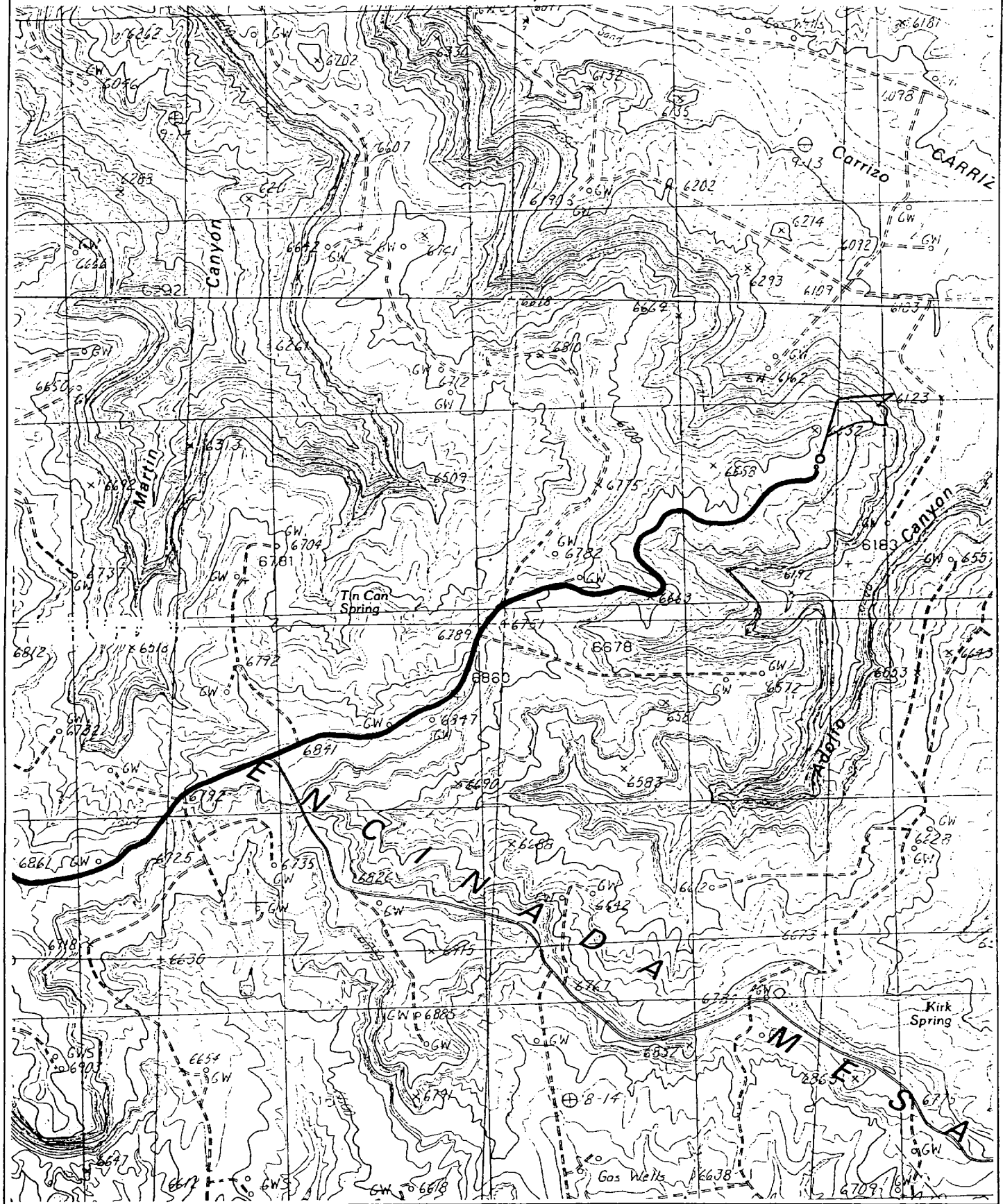
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



<sup>17</sup> OPERATOR CERTIFICATION  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  
*Vicki Westby*  
Signature  
Vicki R. Westby  
Printed Name  
Sr. Title Analyst  
Title  
*April 26, 2002*  
Date

<sup>18</sup> 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  
Date of Survey: APRIL 15, 2002  
Signature and Seal of Professional Surveyor  
  
*JASON C. EDWARDS*  
Certificate Number 15269

CONOCO, INC. SAN JUAN 28-T UNIT #182F  
2540' FNL & 215' FEL, SECTION 3, T27N, R7W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO



# DRILLING PROGRAM - SAN JUAN 28-7 182F



San Juan Business Unit

Well: SAN JUAN 28-7 182F Area: EAST AFE #: 4140/4141 AFE \$: 344019.05

Field Name: EAST 28-7 Rig: Key 43 State: NM County: RIO ARRIBA API #:

Location: Surface

Lat.: 36.603411 Long: -106.452161 Footage X: 215 FEL Footage Y: 2540 FNL Sec.: 3 Survey: 27N Abstract: 7W

ERA (Emergency Response Area):

Lat: Long: "Air Drilled"

Formation Data : Ground Level = 6586 FT Assume KB = 6599 FT

Formation Call & Casing Points	Depth (TVD in Ft)	BHP (PSIG)	BHT	Remarks
Surface Casing	236			Severe lost circulation is possible. 9 5/8", 36 ppf, J-55, STC casing. Circulate cement to surface.
OJAM	2349			Possible water flows
KRLD	2499			
FRLD	2924			Possible gas
PCCF	3184			
LEWS	3384			
Intermediate Casing	3484			7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4139			
CLFH	4839	1300		Gas; possibly wet
MENF	4969			Gas
PTLK	5419			Gas
MNCS	5719			
GLLP	6659			
GRHN	7349			Gas possible, highly fractured
TWLS	7429			Gas
CBBO	7574			Gas
Total Depth	7699	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.

Logging Program :

Intermediate Logs: ☐ Log only if show ☐ GR / ILD ☐ Triple Combo ☐ Other

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

Additional Information:

Comments



Well: San Juan 28-7 182F  
County: San Juan  
Area: East 28-1  
Rig: Key Rig 43

Company: Conoco, Inc.  
Engineer: Mr. Tom Schaefer  
Date: 04-Apr-02

#### Surface Casing:

**101** sx Type III Cement + 2%bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H<sub>2</sub>O

Slurry Weight:	14.5	ppg
Slurry Yield	1.41	cf/sk
Amount of Mix Water	6.67	gps
Pump Time	2:30	
Compressives		
8 hrs @ 80 F	800	psi
24 hrs @ 80 F	2150	psi
48 hrs @ 80 F	3625	psi

#### Intermediate Casing:

**Slurry 1** **543** sx Premium Lite Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sc Cello Flake + 8% bwoc Bentonite + 115.5% H<sub>2</sub>O

**Slurry 2** **89** sx Type III Cement + 2% bwoc Calcium Chloride + 0.25 lbs/sk Cello Flake + 59.2% H<sub>2</sub>O

Slurry 1			Slurry 2		
Slurry Weight:	12.1	ppg	Slurry Weight:	14.5	ppg
Slurry Yield	2.23	cf/sk	Slurry Yield	1.41	cf/sk
Amount of Mix Water	12.05	gps	Amount of Mix Water	6.67	gps
Pump Time	3:00		Pump Time	2:15	
Compressives			Compressives		
8 hrs @ 80 F		psi	8 hrs @ 80 F	800	psi
24 hrs @ 80 F	250	psi	24 hrs @ 80 F	2150	psi
48 hrs @ 80 F	525	psi	48 hrs @ 80 F	3625	psi

#### Production Casing:

**379** sx Premium Lite High Strength + 0.25 lbs/sk Cello Flake + .2% bwoc CD-32 + 0.65% bwoc FL-62 + 105.4% H<sub>2</sub>O

Slurry Weight:	12.5	ppg
Slurry Yield	2.02	cf/sk
Amount of Mix Water	11	gps
Pump Time	3:00	
Compressives		
8 hrs @ 140 F		psi
24 hrs @ 140 F	1600	psi
48 hrs @ 140 F	2000	psi

