

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO  
SF 078497-A

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME  
San Juan 28-7

8 FARM OR LEASE NAME WELL NO  
219M

9. API WELL NO  
30-037-26172

1a. TYPE OF WORK  
DRILL  DEEPEN

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Conoco Inc.

a. ADDRESS AND TELEPHONE NO  
10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1480' FSL & 790' FWL  
At proposed prod. zone 1480' FSL & 790' FWL

10. FIELD AND POOL, OR WILDCAT  
Mesaverde/Basin Dakota  
SEC. T., R., M., OR BLK AND SURVEY OR AREA  
Sec.20, T28N, R7W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

12 COUNTY OR PARISH Rio Arriba 13. STATE NM

5. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drlg. unit line, if Any)

16 NO OF ACRES IN LEASE TO THIS WELL  
w/320 w/320

8. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 7644'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc )  
6219' GR and appeal pursuant to 43 CFR 3165.4

22. APPROX. DATE WORK WILL START\* 6/1/99

23 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	H-40, 9-5/8"	32.3#	250'	150 sxs, circ.
8-3/4"	J-55, 7"	20#	3128'	422 sxs, circ.
6-1/4"	J/K-55, 4-1/2"	9.5#	7344'	582 sxs, toc @ 2900'

It is proposed to drill a vertical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools (DHC #2246-see referenced description) An NOS was filed 10/2/98. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102).
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan including temporary pipeline tie specifications and Production Facility layout.

**APD/ROW**

This application includes ROW's for the well pad, access road, cathodic protection and pipeline.

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

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jo Ann Johnson TITLE Sr. Property Analyst DATE May 5, 1999

(This space for Federal or State office use)

PERMIT NO \_\_\_\_\_ APPROVAL DATE 8/3/99

Application approval 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. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY AS/ Duane W. Spencer TITLE Team Lead, Petroleum Management DATE AUG - 3 1999

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

HOLD C104 FOR DAKOTA 1152(S)

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994

District II  
PO Drawer 00, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

30101-5 11 8:27  AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-26172		2 Pool Code 72319 / 71599		3 Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
4 Property Code 016608		5 Property Name SAN JUAN 28-7 UNIT			6 Well Number 219M
7 OGRID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation 6219'

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
L	20	28N	7W		1480	SOUTH	790	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	13 Joint or Infill	14 Consolidation Code	15 Order No. R-10987-A
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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

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Mike L. Mankin*  
Signature

Mike L. Mankin  
Printed Name

Right-Of-Way Agent  
Title

12-15-98  
Date

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.

NOVEMBER 30, 1998  
Date of Survey

*Neale C. Edwards*  
Signature and Seal of Professional Surveyor

NEALE C. EDWARDS  
NEW MEXICO  
6857  
Professional Surveyor

6857  
Certificate Number

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

55104-5 AM 8:27

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-039-26172</b>		*Pool Code <b>72319 / 71599</b>	*Pool Name <b>BLANCO MESAVERDE / BASIN DAKOTA</b>
*Property Code <b>016608</b>	*Property Name <b>SAN JUAN 28-7 UNIT</b>		*Well Number <b>219M</b>
*CGRID No. <b>005073</b>	*Operator Name <b>CONOCO, INC.</b>		*Elevation <b>6219'</b>

#### 10 Surface Location

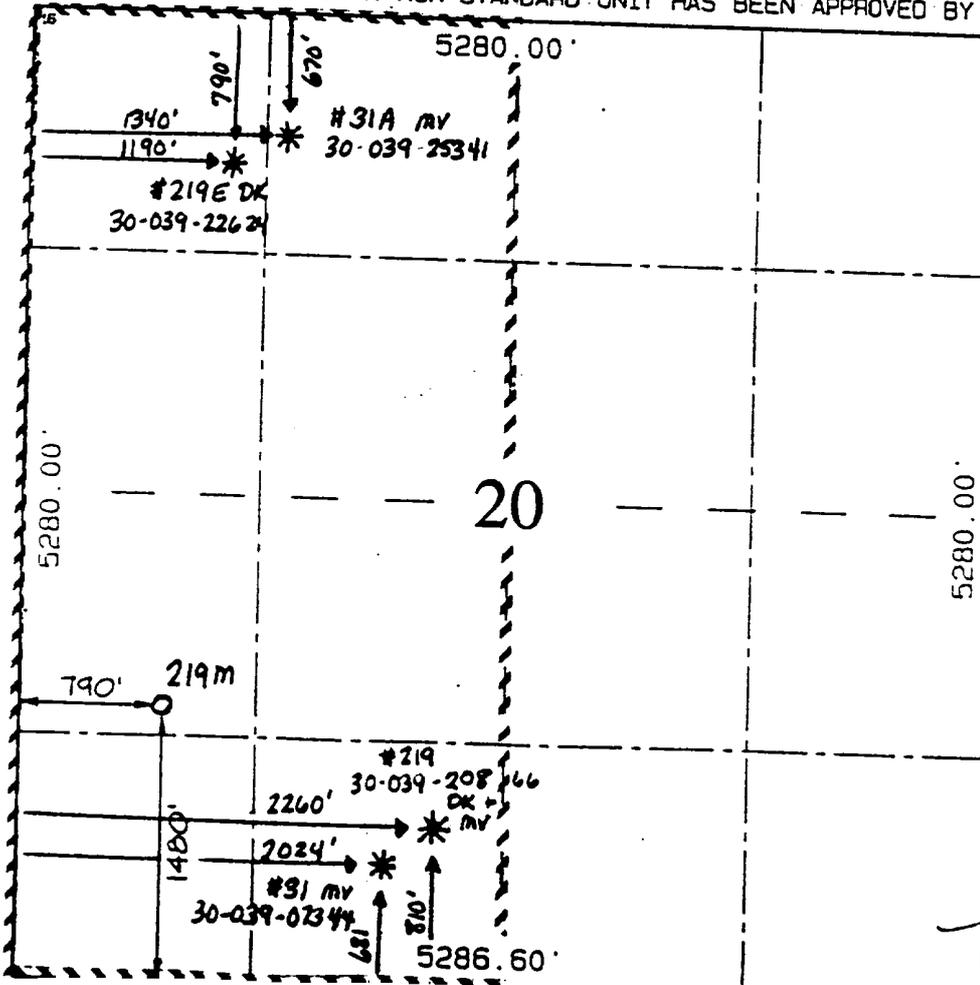
UL or Lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
L	20	28N	7W		1480	SOUTH	790	WEST	RIO ARRIBA

#### 11 Bottom Hole Location If Different From Surface

UL or Lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*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



#### 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Mike L. Mankin*  
Signature

Mike L. Mankin  
Printed Name

Right-Of-Way Agent  
Title

12-15-98  
Date

#### 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.

NOVEMBER 30, 1998  
Date of Survey

Signature and Seal

**NEALE C. EDWARDS**  
NEW MEXICO  
6857

6857  
Certificate

EST. GL = 6226

EST. KB = 6241

WELL NAM **SJ 28-7 UNIT No. 219M**

LOCATION: **SEC 20, T-28N, R-7W, RIO ARRIBA CO., NM**

TVD IN 1000	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	CASING		FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD	
					SIZE	DEPTH			WT	TYPE
0					12-1/4"	9-5/8" 32.3# H-40 STC @ 250'		NORMAL	AIR/AIR MIST/AERATED FLUID	1
					8-3/4"				AIR/AIR MIST/AERATED FLUID	
1										
2		OJAM @ 1899' KRLD @ 2044'	POSSIBLE WATERFLOW							
		FRLD @ 2385'	POSSIBLE GAS FLOW					432 PSI		
		PCCF @ 2828'	POSSIBLE LOST RETURNS							
3		LEWS @ 2983'	POSSIBLE DIFFERENTIAL STICKING		8-3/4"	CIRCULATE CEMENT TO SURFACE		360 PSI		
						7" 20# J-55 STC @ 3128				3
4		CHRA @ 3756'			8-1/4"			400 PSI		
		CLFH/MV @ 4451' MENF @ 4586'	PROBABLE LOST RETURNS IF FLUID IN HOLE				0.5	457 PSI		
5		PTLK @ 5033'	PROBABLE LOST RETURNS							
		MNCS @ 5472'	PROBABLE LOST RETURNS							
6		GLLP @ 6251'	PROBABLE LOST RETURNS							
7		GRHN @ 6993' GRRS DKOT @ 7051' PAGU @ 7224'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	8-1/4"	4-1/2" 9.5# J/K-55 STC @ 7344'	0.5	713 PSI	AIR/AIR MIST/AERATED FLUID	8
		T.D. @ 7344'				CEMENT TO 2900'		BHT = 175 deg F		
8										
		NOTE: PERMIT TO 7644'								

DATE 01/27/99 APPROVAL *[Signature]* PMS 1/28/99  
 PREPARED BY: *[Signature]* RES. ENGINEER  
 Ricky Joyce, Ted Kelly, *[Signature]* 1/29/99  
 DRILLING ENGINEER PROD. ENGINEER

*[Signature]* 1/28/99  
 GEOLOGIST  
*[Signature]*  
 DRILLING MGR.

4:01 PM

**Directions from Blanco, NM Post Office to Conoco San Juan 28-7 Unit #219M**

**1480' FSL & 790' FWL, Section 20, T28N, R7W, N.M.P.M., Rio Arriba County, NM.**

Travel Easterly on US Hwy 64 for 1.3 miles across the San Juan River to County Road 4450;

Go right (Southerly) on County Road 4450 for 3.6 miles to major road intersection;

Go left (Southeasterly) for 5.7 miles to fork in road;

Go left which is straight (Easterly) along Carrizo Wash for 4.5 miles to fork in road;

Go left which is straight (North-easterly) along Carrizo Wash for 1.5 miles to the head of Delgadita Canyon;

Go left (North-easterly) up Delgadita Canyon for 0.2 miles to fork in road;

Go left (North-westerly) for 0.1 miles to fork in road;

Go left (North-westerly) for 0.2 miles to fork in road;

Go right which is straight (North-westerly) for 0.2 miles to new access on left-hand side of road which continues for 3210' to staked location.