

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

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Conoco Inc. 005073

a. ADDRESS AND TELEPHONE NO

10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

830' FSL & 870' FSL

At proposed prod. zone

830' FSL & 870' FSL

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

DIST. 3

5. LEASE DESIGNATION AND SERIAL NO

NM 03560

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 28-7

8. FARM OR LEASE NAME WELL NO

100M

9. API WELL NO

30-039-25881

10. FIELD AND POOL, OR WILDCAT

Blanco MV/Basin Dakota

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA

Sec.30, T27N, R7W

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

17. NO. OF ACRES ASSIGNED TO THIS WELL

8. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7467'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc)

6653' GR

22. APPROX. DATE WORK WILL START*

6/30/98

23

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55, 9-5/8"	36#	250'	145 sxs, circ.
8-3/4"	K-55, 7"	23#	3180'	390 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7467'	515 sxs, toc @ 3000'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. An NOS was filed 10/13/97. 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 with Production Facility layout.
6. Pipeline Tie Specifications with plat.

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".

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

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

Jo Ann Johnson
Sr. Property Analyst

DATE

5-28-98

(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

JUN 10 1998

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

Robert E. Barker

TITLE

Robert E. Barker

DATE

JUN 10 1998

*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.

at C

NMOC

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
State Lease - 4 Copies
Fee Lease - 3 Copies

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

90 JUN -8 AM 11:23
070 FARMINGTON, NM
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25881		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 100M
*GRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6653'

¹⁰ Surface Location

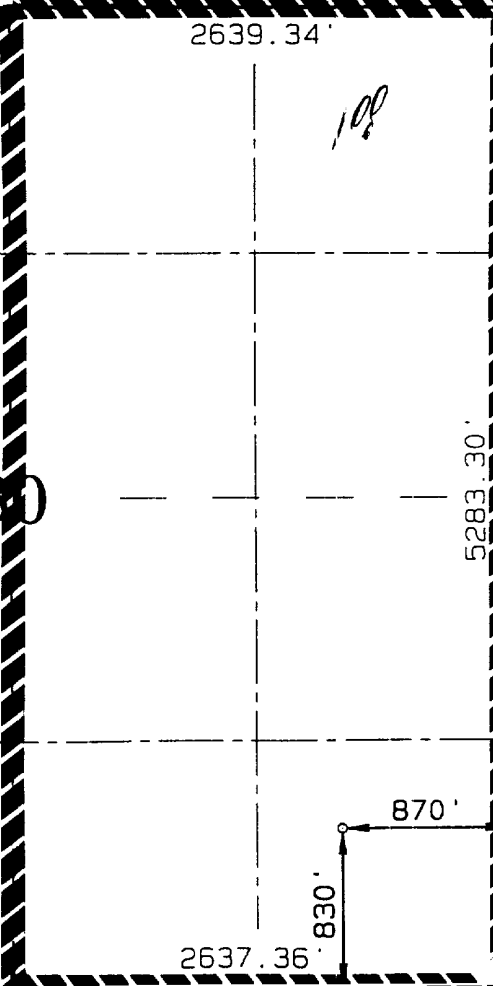
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	27N	7W		830	South	870	East	RIO ARriba

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 Y	¹⁴ Consolidation Code U	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

¹⁶ 1336.50'	1319.34'	2639.34'		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Mike L. Mankin</i> Printed Name: Mike L. Mankin Title: Right of Way Agent Date: 5-22-78
RECEIVED JUN 12 1993 OIL CON. DIV. DIST. 3	5272.08'	5283.30'		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. Date of Survey: OCTOBER 18, 1997 Signature and Seal of Professional Surveyor: <i>NEALE C. EDWARDS</i> Certificate Number: 6857
3				
4	1325.28'	1319.34'		2637.36'

PROPOSED WELL PLAN OUTLINE

WELL NAM **SJ 28-7 UNIT No. 100M**
 LOCATION: **SEC 30, T-27N, R-7W, RIO ARRIBA CO., NM**

EST. GL = 6653
 EST. KB = 6666

TVD IN 1000	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD WT TYPE	DAYS
0					12-1/4"	9-5/8" 36# K-55 ST&C @ 250' CIRC CMT		NORMAL	8.4 - 8.8# SPUD MUD	1
1					8-3/4"				8.4 - 9.0# GEL/WATER MAINTAIN MW AS LOW AS POSSIBLE	
2		OJAM @ 2042' KRLD @ 2216'	POSSIBLE WATERFLOW							
		FRLD @ 2500'	POSSIBLE GAS FLOW					432 PSI		
		PCCF @ 2880'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING					360 PSI		
3		LEWS @ 3010'			8-3/4"	7" 23# K-55 LTC at 3180' (special drift) CIRC CMT				5
4		CHRA @ 3805'			6-1/4"				AIR/AIR MIST/GAS	
		CLFH/MV @ 4586' MENF @ 4588'	PROBABLE LOST RETURNS IF FLUID IN HOLE				0.5	457 PSI		
5		PTLK @ 5180'								
		MNCS @ 5520'								
6		GLLP @ 6340'								
7		GRHN @ 7135' GRRS DKOT @ 7195' PAGU @ 7346'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	6-1/4"	4-1/2" 9.5# K-55 LTC @ 7467'	0.5	713 PSI BHT = 175 deg F	AIR/AIR MIST/GAS	10
		T.D. @ 7467'				TOC @ 3000'				
8		NOTE: PERMIT TO 7767'								

DATE 05/06/98
 PREPARED: Ricky Joyce/Ted Kelly
 DRILLING ENGINEER

APPROVALS: ADB 5/8/98
RES. ENGINEER
FBH 5/8/98
PROD. ENGINEER

VBS 5/8/98
GEOLOGIST
DRILLING MGR.

11:04 AM

CONOCO, INC. SAN JUAN 28-7 UNIT #100M

830' FSL 870' FEL SEC 30, T27N, R7W
RIO ARriba COUNTY, NEW MEXICO