

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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. 5023

3. ADDRESS AND TELEPHONE NO

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

915-686-5794

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

At surface

1120' FSL & 1850' FEL

At proposed prod. zone

1120' FSL & 1850' FEL

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

5. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if Any)

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

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

6005' GR

16 NO OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

19. PROPOSED DEPTH

7306'

20. ROTARY OR CABLE TOOLS

Rotary

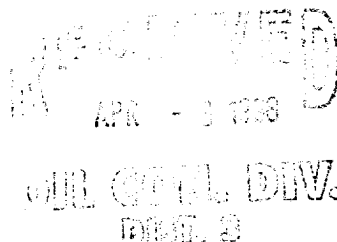
23

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'	135 sxs, circ.
8-3/4"	K-55, 7"	23#	2543'	310 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7006'	490 sxs, toc @ 2400'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. NOS was filed 2/21/98. 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 with Production Facility Layout.
6. Pipeline survey plat.



This application includes ROW's for the well pad, access road 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

*Mike L. Mankin*

TITLE

Mike L. Mankin

Right-of-Way Agent

DATE

March 3, 1998

(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

MAR 31 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

TITLE

DATE

\*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

NMOCD

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form O-102  
Revised February 21, 1994

District II  
PO Drawer 60, Artesia, NM 88211-0719

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-045-29582</b>	*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code <b>22417</b>	*Property Name NEWBERRY COM	*Well Number 1M
*UGRID No. 005073	*Operator Name CONOCO, INC.	*Elevation 6005'

<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
0	5	31N	12W		1120	SOUTH	1850	EAST	SAN JUAN

<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  
**318.12 E / 318.12 E / 320**

<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>16</sup>	2642.64'	2640.66'	<sup>17</sup> OPERATOR CERTIFICATION
1281.06'			I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
1306.14'			Signature <i>Mike L. Mankin</i>
			Printed Name Mike L. Mankin
			Title Right-Of-Way Agent
			Date 2-2-98
2612.94'			<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 under my supervision, and that the same is true and correct to the best of my belief
			Date of Survey FEBRUARY 16, 1998
			Signature and Seal of Professional Surveyor <i>Neale C. Edwards</i>
			Professional Surveyor NEALE C. EDWARDS NEW MEXICO 68570 REGISTERED PROFESSIONAL SURVEYOR
			Certificate Number 68570

5297.16'

1120'

1850'

2605.68'

1302.84'

1269.84'

## PROPOSED WELL PLAN OUTLINE

WELL NAME **NEWBERRY COM No. 1M**  
 LOCATION **SEC 5, T-31N, R-12W, SAN JUAN CO., NM**

EST. GL = 6005  
 EST. KB = 6016

TVD IN 1000	WD	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'		NORMAL	8.4 - 8.8# SPUD MUD	1
					8-3/4"	CIRC CMT			8.4 - 9.0# GEL/WATER	
1									MAINTAIN MW AS LOW AS POSSIBLE	
2		FRLD PCCF @ 2373'	POSSIBLE GAS FLOW POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING		8-3/4"	7" 23# K-55 LTC @ 2673' (special drift) CIRC CMT				5
3		CHRA			6-1/4"				AIR/AIR MIST/GAS	
4		CLFH/MV @ 4048' MENF PTLK @ 4713'	PROBABLE LOST RETURNS IF FLUID IN HOLE				0.5	475 PSI 563 PSI		
5										
6		GLLP @ 6088'								
7		GRHN @ 6804' GRRS DKOT @ 6915'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSUR IN DEEP DAKOTA	CASED HOLE LOGS	6-1/4"	4-1/2" 9.5# & 10.5# K-55 LTC @ 7026' TOC @ 2500'	0.5	715 PSI BHT = 175 deg F	AIR/AIR MIST/GAS	10
		T.D. @ 7026' NOTE: PERMIT TO 7326'								
8										

DATE 03/24/98 APPROVALS:

10:04 AM

PREPARED: Ricky Joyce/Ted Kelly  
 DRILLING ENGINEER  
 RES. ENGINEER  
 PROD. ENGINEER

GEOLOGIST  
[Signature]  
 DRILLING MGR.

CONOCO, INC. NEWBERRY COM #1M  
1120' FSL & 1850' FEL SECTION 5, T31N, R12W  
N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

