

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. 5073

## 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

1090' FSL &amp; 790' FWL

At proposed prod. zone

1090' FSL &amp; 790' FWL

## 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

17. NO. OF ACRES ASSIGNED  
TO THIS WELL8. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

## 20. ROTARY OR CABLE TOOLS

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

6165' GR

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

## 22. APPROX. DATE WORK WILL START\*

3/25/98

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	K-55, 8-5/8"	24#	300' 320'	130 sxs, circ.
7-7/8"	K-55 4-1/2"	10.5#	7008'	1,450 sxs, circ.

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. An NOS was filed 10/30/97. 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.

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

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

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED  
APR 24 1998

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. Also blowout preventer program, if any.

24. SIGNED Jo Ann Johnson TITLE Property Analyst DATE 2-26-98  
(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

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:

APR 21 1998

APPROVED BY /s/ Duane W. Spencer 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.

NMOC

District I  
PO Box 1380, Hobbs, NM 88241-1380

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form O-107  
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

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

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-039-25846</b>		*Pool Code <b>72319/71599</b>	*Pool Name <b>Blanco Mesaverde/Basin Dakota</b>
*Property Code <b>016606</b>	*Property Name <b>REAMS COM</b>		*Well Number <b>3R</b>
*GRID No. <b>005073</b>	*Operator Name <b>CONOCO, INC.</b>		*Elevation <b>6165'</b>

#### <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
M	19	26N	6W		1090	South	790	West	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 <b>320 322.68</b>	<sup>13</sup> Joint or Infill <b>Y</b>	<sup>14</sup> Consolidation Code <b>C(MV)</b>	<sup>15</sup> 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

<div><div>1347.06'</div><div>1333.20'</div><div>2667.06'</div><div>2653.20'</div><div>2592.48'</div><div>1361.58'</div><div>1330.56'</div><div>2661.12'</div><div>5321.58'</div><div>790'</div><div>1090'</div><div>4</div><div>19</div></div>	<div><b>RECEIVED</b> APR 24 1998 OIL CON. DIV. DIST. 3</div>	<div><b><sup>17</sup> OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <b>Mike L. Mankin</b> Signature <b>Mike L. Mankin</b> Printed Name <b>Right-Of-Way Agent</b> Title <b>2-26-98</b> Date</div> <div><b><sup>18</sup> SURVEYOR CERTIFICATION</b> 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.  <b>NOVEMBER 10, 1997</b> Date of Survey <b>NEALE C. EDWARDS</b> Signature and Seal of Professional Surveyor <b>6857</b> Certificate Number</div>
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## PROPOSED WELL PLAN OUTLINE

WELL NAME: **Reams Com No. 3R**

EST. GL = 6165

LOCATION: **SEC 19, T-26N, R-6W, RIO ARRIBA CO., NM**

EST. KB = 6178

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					11"	8-5/8" 24# K-55 ST&C @ 300'			NORMAL	8.4 - 8.8# SPUD MUD		1
					7-7/8"	CIRC CMT				8.4 - 9.0# GEL/POLYMER MAINTAIN MW AS LOW AS POSSIBLE		
1												
		OJAM @ 1644' KRLD @ 1803'	POSSIBLE WATERFLOW						432 PSI		CONTROL FLUID LOSS PRIOR TO OJAM	
2		FRLD @ 1950' PCCF @ 2322' LEWS @ 2421'	POSSIBLE GAS FLOW POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING						360 PSI			
3		CHRA @ 3218'							400 PSI			
4		CLFH/MV @ 4006' MENF @ 4028'				DV TOOL SET @ 3800' (CONTINGENT ON LOST CIRCULATION) CMT TO SURFACE		0.5	457 PSI			
		PTLK @ 4592' MNCS @ 4943'	POSSIBLE SEVERE LOST RETURNS									
5												
		GLLP @ 5713'				DV TOOL SET @ 5500' (50'-200' ABOVE GLLP) CMT TO DV TOOL @ 3800'						
6		GRHN @ 6554' GRRS DKOT @ 6612' PAGU @ 6755'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	7-7/8"	4-1/2" 10.5# K-55 LTC @ 7008' CMT TO DV TOOL AT TOP OF GLLP		0.5	715 PSI	ADD 2% KCI @ GRRS DKOT AIR/AIR MIST/GAS		16
7		T.D. @ 7008'							BHP - 2500 PSI BHT = 175 deg F			
8		NOTE: PERMIT TO 7308'										

DATE: 02/23/98 APPROVALS:

PREPAR: Ricky Joyce/Ted Kelly  
DRILLING ENGINEERDES. ENGINEER  
PROD. ENGINEERGEOLOGIST  
DRILLING MGR.

01:31 PM

1090' FSL 790' FWL SEC 19, T26N, R6W  
RIO ARriba COUNTY, NEW MEXICO

1090' FSL 790' FWL SEC 19, T26N, R6W  
RIO ARriba COUNTY, NEW MEXICO

