

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

API NO. (assigned by OCD on New Wells) <u>30-025-31987</u>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-2666

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Lease Name or Unit Agreement Name Red Lodge State <u>26</u>
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Well No. 1
2. Name of Operator Conoco, Inc.	9. Pool name or Wildcat Undesignated Morrow
3. Address of Operator 10 Desta Dr. Ste 100W, Midland, TX 79705	
4. Well Location Unit Letter <u>L</u> : 1980 Feet From The <u>south</u> Line and <u>990</u> Feet From The <u>west</u> Line Section <u>26</u> Township <u>21S</u> Range <u>33E</u> NMPM Lea County	
10. Proposed Depth 15,200'	
11. Formation Morrow	
12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3705.9'	14. Kind & Status Plug. Bond Blanket
15. Drilling Contractor	
16. Approx. Date Work will start 7/15/93	

17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	94#	500'	600 sx	circulated
17-1/2"	13-3/8"	68#	3700'	1200 sx	circulated
11"	8-5/8"	32#	5250'	700 sx	circulated
7-7/8"	5-1/2"	17#	15200'	1400 sx	

It is proposed to drill this well vertically through the Morrow formation according to the plan outlined in the following attachments:

- Area plat showing (a) proposed well, (b) other Morrow wells, and (c) potash lessees within one mile of the proposed well.
- Well Location and Acreage Dedication Plat (C-102).
- Proposed well plan outline.
- Cementing program.
- BOP Specifications.

Additional information and actions:

- Location is within the "known potash leasing area".
- Location is NOT in an LMR nor is in an LMR buffer zone.
- Copies of this application have been sent to potash lessees within one mile.
- The proposed well plan is according to requirements of NMOC Order No. R-111-P.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Jerry W. Hoover TITLE Sr. Conservation Coordinator DATE 5/26/93
TYPE OR PRINT NAME Jerry W. Hoover (915) 686-6548 TELEPHONE NO.

(This space for State Use)

Geologist

Orig. Signed by
Paul Kautz
Geologist

JUN 14 1993

APPROVED BY _____ TITLE _____

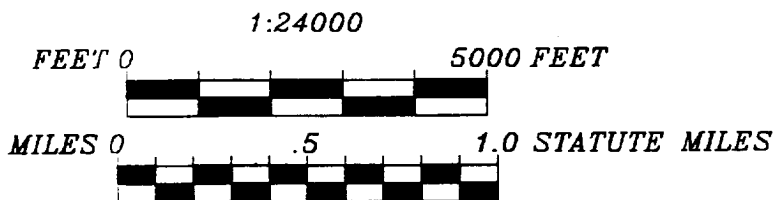
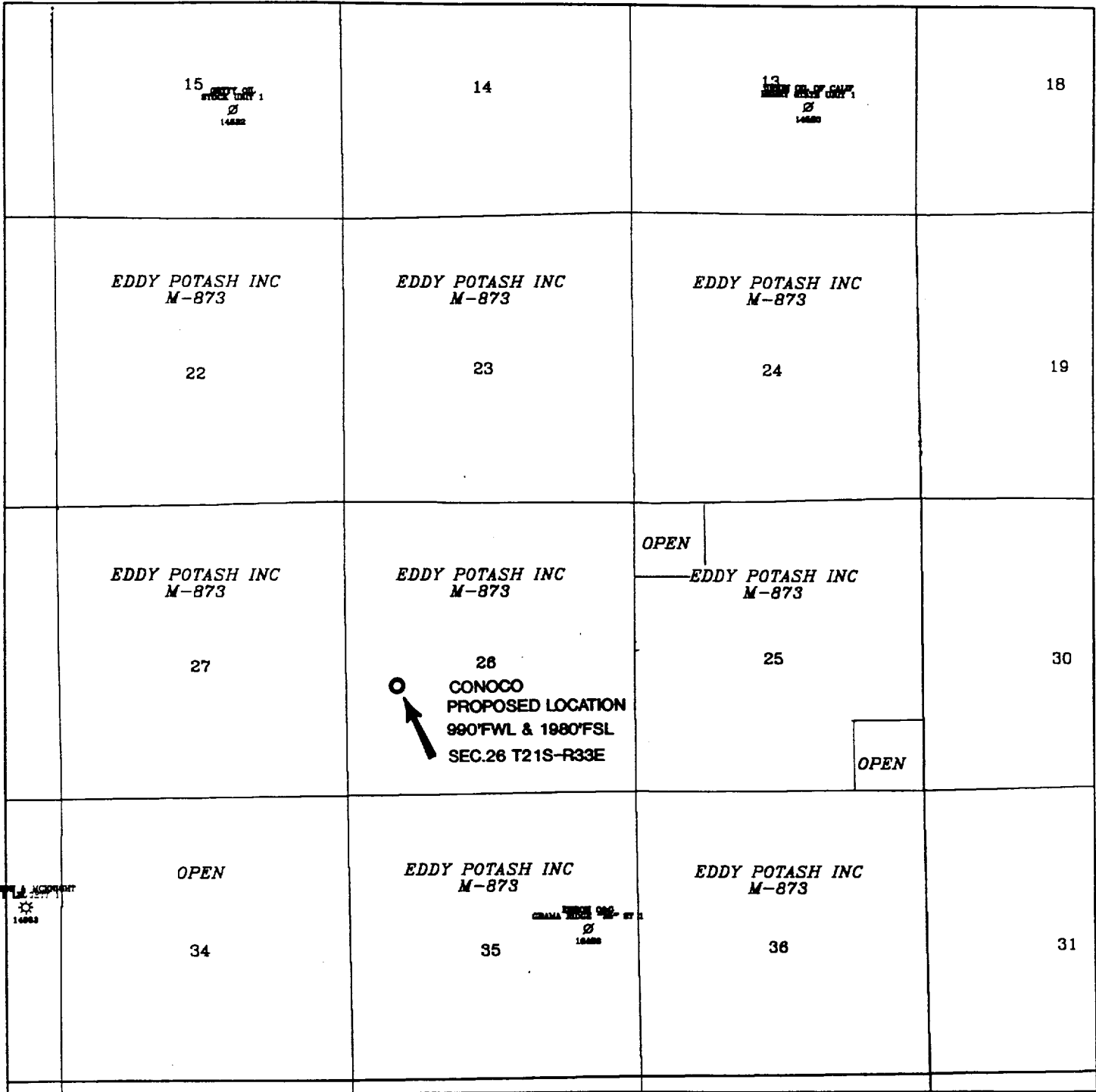
CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

R. H. P. was used from Eddy Potash

T21S

R33E



CONOCO INC		
RED LODGE STATE 26#1		
POTASH PLAT		
w/ posted Morrow wells		
2008.00 FT/IN	R.C. BALSAM	13-MAY-03

Submit to Appropriate
District Office
State Leases - 4 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-80

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 80, Artesia, NM 88210

DISTRICT III

1000 Rio Grande Rd., Artesia, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CONOCO INC.		Lease Red Lodge State (26)		Well No. 1
Unit Letter L	Section 26	Township 21 SOUTH	Range 33 EAST NMPM	County LEA
Actual Footage Location of Well: 1980 feet from the SOUTH line and 990 feet from the WEST line				
Ground Level Elev. 3705.9'	Producing Formation Morrow	Pool Undesignated Morrow		Dedicated Acreage: 320 Acres
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchwork marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is 'yes' type of consolidation _____</p> <p>If answer is 'no' list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.) _____</p> <p>No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, force-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>				
			OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.	
			Signature <i>Jerry W. Hoover</i>	
			Printed Name Jerry W. Hoover	
			Position Sr. Conservation Coord. Company Conoco, Inc.	
			Date 5/25/93	
			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 knowledge and belief.	
			Date Surveyed MAY 19, 1993	
			Signature & Seal of Professional Surveyor 	
			Certificate No. 7094	
			Surveyor's Name GARY L. JONES	

PROPOSED WELL PLAN OUTLINE

WELL NAME

Red Lodge State 26 No. 1

LOCATION

1980' FSL & 990' FWL, Section 26, T-21S, R-33E, Lea County, New Mexico

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	MUD WT TYPE	DAYS
0					26"	20" 94# ST&C @ 500'			8.6 FRESH WATER	2
1					17-1/2"	CEMENTED WITH 600 # (Circ)			10+ BRINE	
2		RUSTLER								
3										
4		BASE OF SALT 3580' YATES 3630'	LOSS CIRCULATION POSSIBLE			13-3/8" 68# ST&C @ 3700'				11
5					11"	CEMENTED WITH 1200 # (Circ)			8.4-8.6 FRESH WATER	
6		DELAWARE SAND 5270'	SEEPAGE POSSIBLE IN DELAWARE PACKAGE			8-5/8" 32# LT&C @ 5250'				15
7					7-7/8"	CEMENTED WITH 700 # (Circ)			9.0 CUT BRINE	
8										
9		BONE SPRING 8900'		9000' TO 5250' GR-CNL-LDT-CAL LATEROLOG-MICRO SFL						
10										
11										
12		WOLFCAMP SHALE 12290'								
13		STRAWN 13220' ATOKA 13620' MORROW LIME 13740'	PRESSURE POSSIBLE IN ATOKA	DST POSSIBLE IN ATOKA 8900' - 15200'						
14		MORROW SANDS 14170'	MORROW IS WATER SENSITIVE	GR-CNL-LDT CR-LATEROLOG-MSFL GR-BHC SONIC SIDEWALL CORES						
15		TD @ 15200'				5-1/2" 17# LT&C @ 15200'				50
16						CEMENTED WITH 1400 #				

DATE 25-May-93

WELL NAME: Red Lodge State 26 No. 1

C E M E N T I N G P R O G R A M

SURFACE CASING STRING

LEAD	<u>400</u>	sxs	Class <u>C</u>	Mixed at <u>13.6</u> ppg
	Additives		<u>4 % Gel + 2 % CaCl2</u>	
TAIL	<u>200</u>	sxs	Class <u>C</u>	Mixed at <u>14.8</u> ppg
	Additives		<u>2 % CaCl2</u>	

1st INTERMEDIATE CASING STRING

LEAD	<u>1000</u>	sxs	Class <u>C</u>	Mixed at <u>13.1</u> ppg
	Additives		<u>15 pps Salt + 1/4#/sx celloflake</u>	
TAIL	<u>200</u>	sxs	Class <u>C</u>	Mixed at <u>14.8</u> ppg
	Additives		<u>2 % CaCl2</u>	

2nd INTERMEDIATE CASING STRING

LEAD	<u>500</u>	sxs	Class <u>C</u>	Mixed at <u>12.4</u> ppg
	Additives			
TAIL	<u>200</u>	sxs	Class <u>C</u>	Mixed at <u>14.8</u> ppg
	Additives			

PRODUCTION CASING STRING

LEAD	<u>1200</u>	sxs	Class <u>H</u>	Mixed at <u>12.7</u> ppg
	Additives			
TAIL	<u>200</u>	sxs	Class <u>H</u>	Mixed at <u>14.4</u> ppg
	Additives		<u>1 % BA-51 + .3 % B3</u>	

BOP SPECIFICATIONS

