

UNIT
DEPARTMENT
BUREAU OF

APPLICATION FOR PERMIT

DUPLICATE
None on
(a)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

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.

(915) 686-6548

3. ADDRESS AND TELEPHONE NO.

10 Desta Dr. Ste 100W, Midland, TX 79705

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

At surface

10' FSL & 1310' FEL

At proposed prod. zone 10' FSL & 1310' FEL

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

15. 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

40

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

19. PROPOSED DEPTH

6800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3544'

22. APPROX. DATE WORK WILL START*

9/1/96

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-3/8"	24#	1500'	750 circulated
7-7/8"	5-1/2"	15.5#	6800'	1370 circulated

It is proposed to drill a vertical wellbore as an infill Blinberry-Tubb producer according to the plan submitted in the following attachments:

1. Well Location and Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline.
3. Surface Use Plan
4. EXHIBIT A: Vicinity and Lease Road Maps
5. EXHIBIT B: 7.5" Quadrangle Topo Map.
6. EXHIBITS C.1, C.2, C.3: Road, pipeline, & powerline plats
7. EXHIBIT D: Trailer-mounted rig layout.
8. BOP and Choke Manifold Specifications.
9. H2S Drilling Operations Plan
10. Letter verifying negotiations with surface owner.
11. An archeological survey has been ordered and will be filed as soon as completed.

Even though this is normally an unorthodox location, as an infill location in a secondary recovery project it will automatically be approved as orthodox according to the recently revised NMOC Rule 104.

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

TITLE

Sr. Conservation Coordinator

DATE 7/19/96

(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:

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.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Artesia, 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-025-33559		*Pool Code 62965	*Pool Name Warren Blinberry-Tubb
*Property Code 003127	*Property Name WARREN UNIT Blinberry-Tubb WF		*Well Number 419
*GRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 3544'

¹⁰ Surface Location

UL or lot no. 8 P	Section 20	Township 20-S	Range 38-E	Lot Idn	Feet from the 10	North/South line SOUTH	Feet from the 1310	East/West line EAST	County LEA
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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
"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

16					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>Jerry W. Hoover</i> JERRY W. HOOVER Printed Name SR. CONSERVATION COORDINATOR Title 7/19/96 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 best of my belief. MAY 15, 1996 Date of Survey Signature and Seal of Registered Professional Land Surveyor: <i>Earl Foote</i> 8278 Certificate Number	

PROPOSED WELL PLAN OUTLINE

WELL NAME

WARREN UNIT NO. 419

LOCATION

10' FSL & 1310' FEL, SEC. 20, T-20S, R-38E, LEA CO.

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	MUD TYPE	DAY
0			POSSIBLE HOLE ENLARGEMENT AND SLOUGHING		12-1/4"				NORMAL	8.4 - 9.5	FRESH	
1		RUSTLER 1300'	WASHOUTS IN SALT SECTION F/1400' - 2600'		8-5/8" 24#, K-55, ST&C 750 sx, circ cmt		1500'			10	BRINE	3
2		YATES 2705'										
3		SEVEN RIVERS 2965'			7-7/8"							
4		QUEEN 3535' PENROSE 3690' GRAYBURG 3875' SAN ANDRES 4139'	POSSIBLE LOSSES AND SEEPAGE TO TOTAL DEPTH	MUDLOGGERS ON @ 3500' H2S MONITOR ON @ 3500'					LESS THAN 8.3			7
5		GLORIETA 5385'	CASES OF DIFFERENT STICKING THROUGH GLORIETA									
6		BLINEBRY MKR. 5890' TUBB 6375' DRINKARD 6680' TD @ 6800'										
7				GR-CAL-DLL-MLL and FDC-CNL-PE-Spect GR 2700'-TD. Pull GR-CAL to surface casing. Only run SG across Blinebry-Tubb	5-1/2" 15.5#, K-55, LT&C 1370 sx, circ cmt		6800'		LESS THAN 8.3 BHP = 2650 psi	10	STARCH- GEL@TD	17
8												

DATE

3 JULY 1996

APPROVED

Roger Williamson
DRILLING ENGINEER

Joe Miller
RESERVOIR ENGINEER

Well Name : Warren Unit #419

Location : 10' FSL & 1310' FEL Sec 20, T-20S, R-38E, Lea County, New Mexico

Casing Program :

Surface 8 5/8" casing in 12 1/4" Hole at 1500 ft.
Production 5 1/2" casing in 7 7/8" Hole at 6800 ft.

Cementing Program :

Surface

Lead 550 sacks Class C Mixed at 12.4 ppg
Additives 2% SMS + 1% A-7P

Tail 200 sacks Class C Mixed at 14.8 ppg
Additives 2% A-7P

Production

Lead 970 sacks Class C Mixed at 12 ppg
Additives 16% Gel + 3% Salt + 0.3% CD-32 + 0.3% SMS +
0.15% R-3

Tail 400 sacks Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 2% BA-90 + 3% Salt + 0.3% CD-32
+ 0.2% SMS

Free Water 0 % Fluid Loss 80 cc/30 min.

BOP SPECIFICATIONS

