

N.M. U
P.O. B
HOBBS
UNITED STATES

DEPARTMENT OF
BUREAU OF LAND

APPLICATION FOR PERMIT TO DRILL

OPER. OGRID NO. 5072

PROPERTY NO. 312

POOL CODE 63270

EFF. DATE 11/27/95

API NO. 30-025-33194

BN Roswell District
Modified Form No.
NM60-3160-2

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Conoco, Inc.

3a. Acre Code & Phone No.

(915) 686-6548

3. ADDRESS OF OPERATOR

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

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

At surface

330' FSL & 660' FEL

At proposed prod. zone

330' FSL & 660' FEL

Unit P

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 drg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

19. PROPOSED DEPTH

9000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3524'

22. APPROX. DATE WORK WILL START*

12/1/95

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	K-55	ST&C	400	440 sx/circ.
12-1/4"	8-5/8"	24# & 32#	K-55	ST&C	3700'	1735 to surf
7-7/8"	5-1/2"	17#	K-55/L-80	LT&C	9000'	1385 to 2500'

It is proposed to drill a vertical exploratory well to granite according to the following attachments:

1. Well Location and Acreage Dedication Plat (C-102)
2. Proposed Well Plan Outline
3. Cementing Program
4. Surface Use Plan
5. EXHIBIT A: Vicinity and Lease Road Map
6. EXHIBIT B: 7.5" Quadrangle Topo Map
7. EXHIBIT C.1 - C.4: Road, Pipeline, and Electric line plats
8. EXHIBIT D: Standard Rig Layout
10. BOP and Choke Manifold Specifications for Exploratory Well
11. H2S Drilling Operations Plan
12. Letter verifying negotiations with surface land owner
13. Archeological survey has been ordered & will be filed as soon as completed.

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. 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

Joseph M. Brown

TITLE

Sr. Conservation Coordinator

DATE

10/20/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY RIG CONTROL
CONDITIONS OF APPROVAL, IF ANY:

TITLE

Area Manager

DATE NOV 23 1995

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

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- 33194		Pool Code 6327D	Pool Name Wildcat McKee Warren
Property Code 003122	Property Name WARREN UNIT		Well Number 127
OGRID No. 005073	Operator Name CONOCO, INC.		Elevation 3524'

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	28	20-S	38-E		330	SOUTH	660	EAST	LEA

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.
40			

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					<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Jerry W. Hoover</i> Signature JERRY W. HOOVER Printed Name SR. CONSERVATION COORDINATOR Title 10/20/95 Date</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>OCTOBER 1, 1995 Date of Survey Signature and Seal of Professional Land Surveyor: <i>Earl Foote</i> 8278 Certificate Number 8278</p>

PROPOSED WELL PLAN OUTLINE

WELL NAME **Warren Unit No. 127** Est. GL = 3534'
 LOCATION **660' FEL & 330' FSL, SEC 28, T20S, R38E, LEA Co., NEW MEXICO** Est. KB = 3549'

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					17-1/2	13-3/8", 54.5, K-55 ST&C @ 400'			SPUD	2
1		RUSTLER 1295' TOP SALT 1390'	WASHOUTS IN SALT SECTION			440 ex, circ cmt			10 PPG BRINE	
2					12-1/4			<8.3		
3		BOTTOM SALT 2546' YATES 2690' SEVEN RIVERS 2946'	LOST CIRCULATION TO 5000' SEEPAGE TO SEVERE	TWO MAN MUDLOG @ 2600' H2S MONITOR ON AT 2600'		8-5/8", 24# & 32# K-55 ST&C @ 3700'				
4		QUEEN 3504' GRAYBURG 3834' SAN ANDRES 4048'	POSSIBLE DEVIATION TO TD			1735 ex, circ cmt			FRESH WATER	9
5		GLORIETA 5322'	PARTIAL LOSSES POSSIBLE					<8.4		
6		BLINEBRY MKR 5798'							STARCH @ 6300' FW GEL 8.5-8.7 WL 35cc	
7		TUBB MARKER 6279' DRINKARD 6573' ABO 6853'	POSSIBLE SEVERE LOSSES FROM BELOW ABO TO TD		7-7/8			8.7-8.8	REDUCE WL @ 7950' TO 15cc MW @ 8.7-9.0	
8		Montoya 7640' Sampson 7950'								
9		McKee Sand 8250' Ellenburger Lime 8520' Granite Wash 8640'	DEVIATION POSSIBLE @ 8200' SURVEY EVERY 100' AS NECESSARY WASHOUTS IN MCKEE SAND			5-1/2", 17#, K-55 & L-80 @ 9000' 1385 ex, cmt to int. csg. to 2500'		PBHP= 3850 psi		24
10		TD @ 9000'		GR-CAL-LDT-CNL GR-DLL-MSFL GR-SON(LS)-DIEL 2000' OF NMR LOG ROTARY SW CORES						
11										
12										
13										
14										
15										
16										

DATE 10/17/95

PREPARED BY: BILLY GOODWIN
 DRILLING ENGINEER

Well Name: WARREN UNIT No. 127

CEMENTING PROGRAM

Surface Casing String:

LEAD 440 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl₂

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____

Intermediate Casing String:

1st Stage

LEAD 1535 sxs Class C - Lite Mixed at 12.7 ppg
Additives 6% Gel + 10 pps A-5 + .25 pps Cello-Seal

TAIL 200 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl₂
Percent free water 0 Water Loss 700 cc

2nd Stage

LEAD _____ sxs Class _____ Mixed at _____ ppg
Additives _____

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water _____ Water Loss _____ cc

Production Casing String:

1st Stage

LEAD 400 sxs Class C Mixed at 14.4 ppg
Additives 5 pps BA-90 + 2 pps Micro Seal + 1.0% FL-62 + .3% CD-32 + .2% SMS

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water 0 Water Loss 50 cc

2nd Stage

LEAD 985 sxs Class C Mixed at 14.8 ppg
Additives 1.1% FL-62 + 2% BA-90 + 3% A-5 + .3% CD-32 + .2% SMS

TAIL _____ sxs Class _____ Mixed at _____ ppg
Additives _____
Percent free water 0 Water Loss 80 cc

BOP SPECIFICATIONS

