

BUREAU OF

APPLICATION FOR F

OPER OGRID NO 5073

PROPERTY NO 19491

APPLICATE*

(State or
Fed)FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

1A. TYPE OF WORK

DRILL ☒

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

770' FSL & 2306 FEL

At proposed prod. zone

770' FLS & 2306 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 WELL18. 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.)

4000'

Rotary

22. APPROX. DATE WORK WILL START*

3/1/97

23.

PROPOSED CASING AND CEMENT

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8" K-55	54.5#	675'	565 circ. WITNESS
12-1/4"	9-5/8" L-80	40#	4600'	1600 circ.
8-3/4"	7" L-80	32#	17,000'	3700 - top @ 3600'

It is proposed to drill this wellbore as a vertical wildcat Ellenburger producer according to the drilling plan outlined in the following attachments:

1. Well Location & Acreage Dedication Plat (C-102) - Unorthodox
2. Proposed Well Plan Outline
3. Cementing Program
4. Surface Use Plan
5. EXHIBIT A - Vicinity Map
6. EXHIBIT B - Topo & Lease Road Map
7. EXHIBIT C - Standard Rig Layout
8. BOP & Choke Manifold Specifications (2 diagrams)
10. H2S Drilling Operations Plan & Diagram

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

An archeological survey will be ordered for this location and forwarded when completed. The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described above and as covered by BLM Bond File No. ES-0085.

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

T. Conservation Coordinator

DATE 1/23/97

(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:

(ORIG. SGD.) TONY L. FERGUSON

TITLE

ADM. MINERALS

DATE

2/24/97

*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., Aztec, 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 30-025-33854		Pool Code ✓	Pool Name Wildcat Ellenburger
Property Code 19491	Property Name ELVIS		Well Number 2
OGRID No. 005073	Operator Name CONOCO INC.		Elevation 4000'

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
0	17	17-S	32-E		770	SOUTH	2306	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 40	Joint or Infill	Consolidation Code	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

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 1/23/97 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>JANUARY 23, 1997 Date of Survey Signature and Seal of Professional Surveyor: <i>Earl Foot</i> Certificate Number 8278</p>

770'

2306'

PROPOSED WELL PLAN OUTLINE

WELL NAME **ELVIS #2**

LOCATION **SECT. 17 T-17S R-32E LEA CO.**

TVD IN 1000'	MD	FORMATION TOPS & TYPE W/ 18' KB	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	WT	MUD TYPE	DAYS
0			RED BEDS LOST CIRCULATION		17-1/2"	PRESET 40' CONDUCTOR		BELOW NORMAL	8.4 - 8.7	SPUD	
		RUSTLER @ 625'									
1			SALT SECTION	MUD LOGGERS AND EQUIPMENT ON BY @ 1000' BY 1000'		13-3/8" @ 675' 54 5# K-55 stc CIRC. CEMENT					3
2		YATES @ 2044'	INSTALL ROT. HEAD BOWL PRIOR TO DRILLING QUEEN		12-1/4"			9.0 PPG	9.0-10.0	BRINE	
3		QUEEN @ 3071'	POSSIBLE H2S	H2S EQUIPMENT ON PRIOR TO QUEEN FORMATION							
4		SAN ANDRES @ 3751'	POSSIBLE OVERPRESSURED WITH CO2 &/OR WATER FLOOD								
5		PADDOCK @ 5231'		GR-CAL-CN-ZDL-DLL-MLL GR-CAL-BHC		9-5/8" @ 4600' 40# L-80 LTC 50' PAST B/ 9TH MASS CIRC. CEMENT 50 % OVER CALIPER			8.5-8.8	FW	17
6		TUBB @ 6541'	SEEPAGE LOSSES		8-3/4"						
7		ABO @ 7756'						8.5-9.0 PPG			
8			INSTALL MUD/GAS SEP. ROT. HEAD & PVT EQUIP PRIOR TO DRILLING WOLFCAMP							ONLY USE MIX 2 & MAGMA FIBER TO CONTROL LOSSES BELOW ABO	
9		WOLFCAMP @ 9007'	POSSIBLE H2S GAS CUT MUD						8.5-9.0	FW GEL/ POLY PLUS THERMPAC WL<20cc	
10		WOLFCAMP/MZ @ 9464'									
11		CISCO @ 10284'	SEEPAGE LOSSES								
12		CANYON @ 10860'									
13		STRAWN @ 11385'									
14		ATOKA @ 11803'	POSSIBLE H2S /GAS CUT MUD							WL<15cc	
15		MORROW @ 12044'	REACTIVE SHALES								
16		BARNETT @ 12749'							8.8-9.2	WL<10cc	
17		WOODFORD	REACTIVE SHALES SEEPAGE LOSSES GAS CUT MUD	POSSIBLE DST							
18		DEVONIAN @ 13704'									
19		ELLENBURGER @ 15100'									
20											
21		TD @ 17000'						BHP = 7300psi			
22				GR-CAL-DLL-ZDL-CNL-MLL GR-CAL-BHC-AC-SL CBIL		7" @ 17000 32# L-80 BTC TOC @ 3600'					

DATE JANUARY 23, 1997

APPROVED **ROGER WILLIAMSON**
ENGINEER

Well Name : Elvis #2

Location : Sect. 17 T-17-S R-32E Lea Co.

Casing Program

Surface : 13 3/8" casing in 17 1/2" Hole at 650 ft.
Intermediate : 9 5/8" casing in 12 1/4" Hole at 4600 ft.
Production : 7" casing in 8 3/4" Hole at 17,000 ft.

Cementing Program :

Surface

Lead 415 sacks Class C Mixed at 12.7 ppg
Additives 35:65:6 (Poz:Cem:Gel) + 2% CACL2 +
0.25 pps Cello Flake

Tail 150 sacks Class C Mixed at 14.8 ppg
Additives 2% CACL2

Intermediate

Lead 1450 sacks Class C Mixed at 12 ppg
Additives 16% Gel + 3% Salt + 0.3% CD-32 + 0.2% SMS

Tail 150 sacks Class C Mixed at 14.8 ppg
Additives 2% CACL2

Production

(1st Stage)

DV Tool 11,800'
Tail 1230 sacks Class H Mixed at 15.8 ppg
Additives 1.3% FloBlok 210 + 0.3% CD-32 + 0.5% R-3 + 0.2 SMS
Free Water 0 % Fluid Loss 40 cc/30 min.

(2nd Stage)

DV Tool 7,000
Lead 390 sacks Class H Mixed at 14.4 ppg
Additives 50:50:2 (Poz:Cem:Gel) + 1.3% FloBlok 210 + 0.4% R-3
0.3% CD-32 + 0.2% SMS

Tail 1150 sacks Class H Mixed at 15.6 ppg
Additives 1.3% FloBlok 210 + 0.3% CD-32 + 0.4% R-3 + 0.2 SMS

(3rd Stage)

Lead 240 sacks Class C Mixed at 12 ppg
Additives 16% Gel + 2% Salt + 0.3% CD-32 + 0.3% SMS
+ 0.4% R-3

Tail 690 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 + 0.2% R-3

BOP SPECIFICATIONS

