

UNITED
DEPARTMENT OF
BUREAU OF LAND

OPER. OGRID NO. 5073 NC
PROPERTY NO. 3042 PR
POOL CODE 76480 RED
EFF DATE 12/8/95 1 OR
API NO. 30-025-33210 K

BLM Roswell District
Modified Form No.
NMD60-3160-2

APPLICATION FOR PERMIT TO

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. Area 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

860' FNL & 660' FWL

At proposed prod. zone

860' FNL & 660' FWL

Unit D

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 sig. unit line, if any)

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

3700'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

3572'

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
12-1/4"	8-5/8"	24#	K-55	ST&C	420'	350 ⁵ Circ.
7-7/8"	4-1/2"	11.6#	K-55	LT&C	3700'	960 ⁵ Circ.

It is proposed to drill this well as a vertical Eumont gas producer according to the drilling plan outlined in the following attachments:

- Well Location & Acreage Dedication Plats (two C-102's)
- Proposed Well Plan Outline
- Cementing Program
- Surface Use Plan
- EXHIBIT A - Vicinity Map
- EXHIBIT B - Topo & Lease Road Map
- EXHIBIT C - Trailer-Mounted Rig Layout
- BOP and Choke Manifold Specifications (2 diagrams)
- H2S Drilling Operations Plan & Diagram
- Letter verifying negotiations with surface land owner

Approval Subject to
General Requirements and
Special stipulations
Attached

RECEIVED

OCT 27 10 27 AM '95

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 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

John W. Brown

TITLE

Sr. Conservation Coordinator

DATE

10/25/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

/s/ Yolanda M...

TITLE

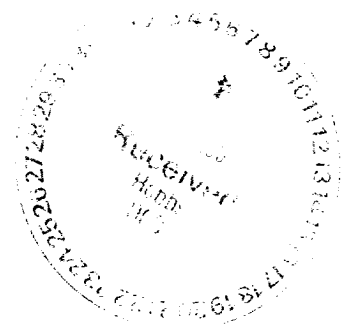
ACCOUNTANT

DATE

12-5-95

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



PROPOSED WELL PLAN OUTLINE

WELL NAME **LOCKHART B No. 12**
 LOCATION **SEC 14, UNIT D, T-21S, R-36E**

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		Red Beds	Swelling in red beds from surface		12-1/4"	420'			Spud	1
1		Anhydrite 1240 T/Salt 1340	Salt Section washout	H2S ON AT 1500'		8-5/8" 24# K55 STC Circulate to surface 350 SX			Saturated brine 10 ppg	
2		B/Salt 2600' Yates 2745'	Lost circulation to TD		7-7/8"					
3		7-Rivers 2990' Queen 3420' Pensacola 3545'	Stuck logs							
4		TD 3700'		TD - B/SALT DLLMSFL/GR/CAL CNL/CDL/GR (Run GR/CAL to surf 1st run)		3700'		BHP = 200 psi	Gel & Starch at TD	6
5						4-1/2" 11.6# K55 LTC Circulate to surface 960 SX			for logging FL @ 10 cc 10.0 ppg	
6										
7										
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11										
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13										
14										
15										
16										

DATE SEPTEMBER 1995

APPROVED B.E. GOODWIN
 DRILLING ENGINEER

