

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

POGO-PRODUCING COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 10340, MIDLAND, TEXAS 79702

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

660' FNL AND 990' FEL OF SECTION 18

At proposed prod. zone

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

31 MILES EAST OF CARLSBAD, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

703.55

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.

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19. PROPOSED DEPTH

8650'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3712.1 GR

22. APPROX. DATE WORK WILL START*

UPON APPROVAL

23. PROPOSED CASING AND CEMENTING PROGRAM

Carlsbad Controlled Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5#	850'	SUFFICIENT TO CIRCULATE
11"	8-5/8"	24#, 32#, 28#	4550'	SUFFICIENT TO CIRCULATE
7-7/8"	5-1/2"	15.5# & 17#	8650'	1000 SACKS - TO TIE BACK

AFTER SETTING PRODUCTION CASING, PAY ZONE WILL BE PERFORATED
AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCH
SURFACE USE AND OPERATIONS PLAN

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

Richard L. Wright
Richard L. Wright

TITLE

Division Operations Supr.

DATE

August 25, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

R. L. Wright

TITLE

DATE

9-9-92

CONDITIONS OF APPROVAL AND APPROVAL SUBJECT TO:

GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

ATTACHED

*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.



SUPPLEMENTAL DRILLING DATA

POGO PRODUCING COMPANY

LR 18 FEDERAL WELL NO. 1

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler	800'
Delaware	4600'
Bell Canyon	4650'
Cherry Canyon	5600'
Brushy Canyon	7300'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Brushy Canyon	Oil
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4. PROPOSED CASING AND CEMENTING PROGRAM:

13-3/8" 54.5# K-55 ST&C casing is to be set at approximately 850 feet in 17-1/2" hole. Casing to be cemented with 500 sacks of Light cement tailed in with 200 sacks of Class "C" with 2% CaCl. Cement to circulate.

8-5/8" 24#, 28#, and 32# K-55 and N-80 ST&C casing is to be set at approximately 4550 feet in 11" hole. Casing is to be cemented with 1200 sacks of Light cement tailed in with 200 sacks of Class "C". Cement to circulate.

5-1/2" 15.5# and 17# K-55 and N-80 LT&C casing is to be set at 8650 feet in 7-7/8" hole. Casing is to be cemented with 900 sacks of Class "H" cement. Cement to tie back to 3550 feet.

5. PRESSURE CONTROL EQUIPMENT:

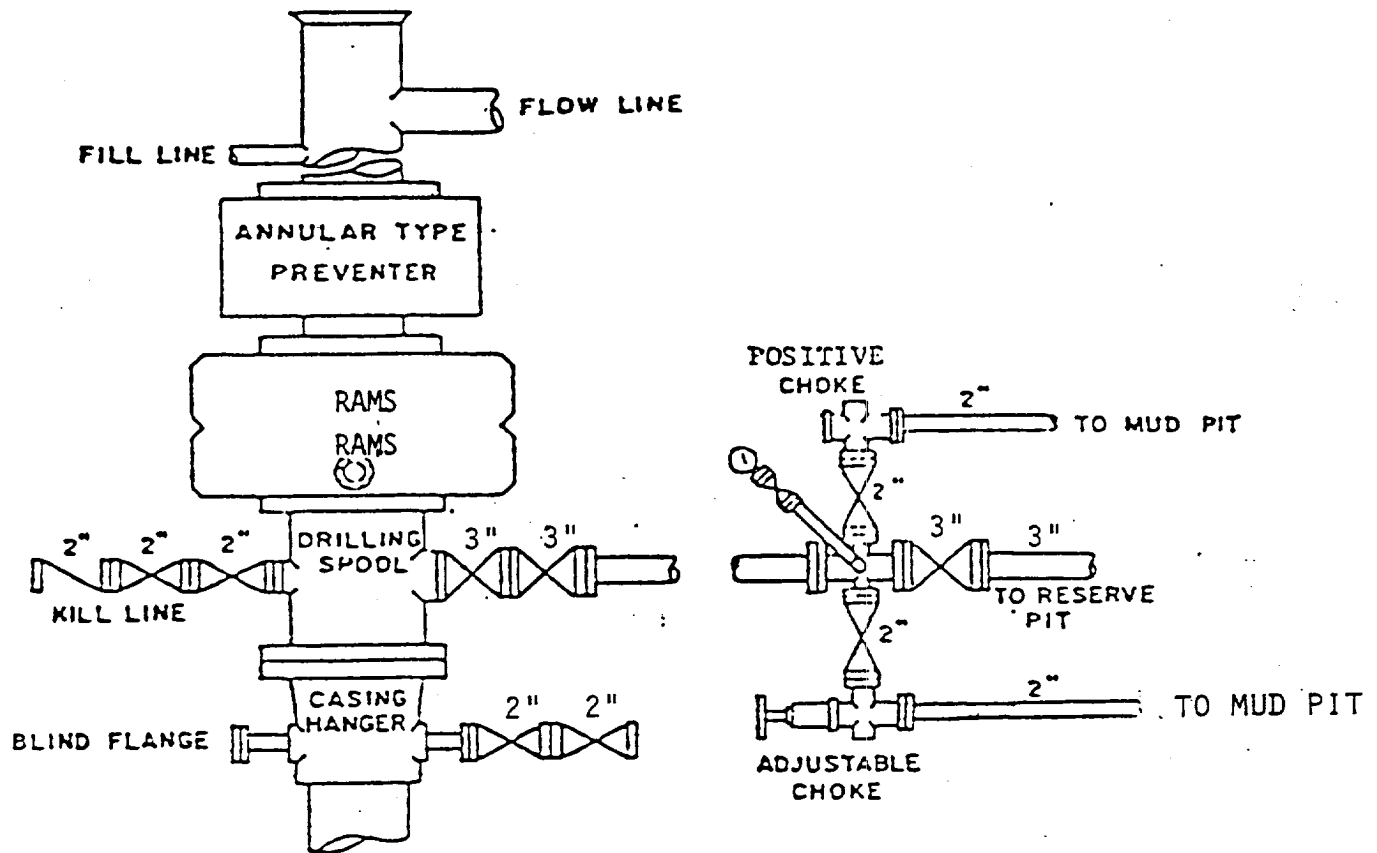
Blowout prevention equipment, while drilling the 11" hole, will be either a 3000 psi working pressure double ram type preventer or a 3000 psi working pressure annular type preventer.

Blow out prevention equipment, while drilling below the 8-5/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

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BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT

212821-2704

ELF

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