

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
RECEIVED

## 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 ☐

## 2. NAME OF OPERATOR

Pogo Producing Company

## 3. ADDRESS OF OPERATOR

P. O. Box 10340, Midland TX 79702-7340

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

At surface

660' FEL and 1980' FSL

At proposed prod. zone

660' FEL and 1980' FSL

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

2 miles north of Loving, 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

320

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

100'

## 19. PROPOSED DEPTH

12,775'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

0 - 12,852'

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

3046.4 GR

## 22. APPROX. DATE WORK WILL START\*

6/25/90

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65	442	510 sx, circ 50 sx
12-1/4"	10-3/4"	40.5	2,700	1700 sx, circ 125 sx
9-1/2"	7-5/8"	26.4 & 29.7	10,220	2200 sx, DV tool @ 6086'
6-1/2"	5" (liner)	18	9,927-12,852	400 sx

Proposal: Due to low current producing volumes from existing Culebra Bluff, Atoka perfs (11,533-37'), (11,541-44') (11,574-79'), (11,585-92') and (11,596-605'), Pogo has elected to leave same and test the following Morrow zones (12,709-12,717'), (12,654-61') and (12,314-23').

Procedure: Retrieve packer - run mill and scraper to PBTD 12,811'. GIH w/RBP and packer, isolate and perf each zone previously listed in the Morrow. A sliding sleeve will be run in the event we decide to apply to (casing/tubing) dual complete the open Atoka perfs and Morrow perfs.

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 A. Wright*

TITLE Dist. Drlg &amp; Prod Supt

DATE 6/11/90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: