

OPER. ORG. NO. 173

N.M. OIL &amp; GAS

PROPERTY NO. 9327P.O. BOX 1POOL CODE 3938D

UNITED STATES

EFF. DATE 11/2/95

DEPARTMENT OF

BUREAU OF LAND

API NO. 3D-025-33165

## APPLICATION FOR PERM.

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM-42814

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Federal "31" Well No. 6

9. AR WELL NO

10. FIELD AND POOL OR WILDCAT  
SE Livingston Ridge  
West Red Tank Delaware11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec. 31 T21S R32E

12. COUNTY OR PARISH

Lea

13. STATE

NM

12. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Pogo Producing Company

(Richard Wright)

3. ADDRESS AND TELEPHONE NO.

P.O. Box 10340 Midland, Texas 79702 915-682-6822

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

At surface

2310' FSL &amp; 1980' FEL of Sec. 31 T21S R32E

At proposed prod. zone

same

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

Approximately 30 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

320

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

1320'

19. PROPOSED DEPTH

8800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3644.1' Ground Level

22. APPROX. DATE WORK WILL START\*

As soon as approved

23.

## PROPOSED CASING AND CEMENTING PROGRAM

R-111-P Potash

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	J-55 13 3/8"	54.5	850'	700 Sx Circulate to surface
12 1/4"	J-55 8 5/8"	32 & 24	4500'	1400 Sx Circulate to surface
7 7/8"	J-55, N-80 5 1/2"	17 & 15.5	8800'	1300 Sx Tie back to 4300'±

1. Drill 17 1/2" hole to 850'. Run and set 850' of 13 3/8" J-55 54.5# ST&C casing. Cement with 500 Sx. Light tail in with 200Sx. Class "C". Circulate cement to surface.
2. Drill 12 1/4" hole to 4500'. Run and set 4500' 8 5/8" J-55 ST&C casing, bottom 2300' 32# middle 1200' 24# & top 1000' 32# casing. Cement with 1200 Sx. of Light cement tail in with 200 Sx. Class "C". Circulate cement to surface.
3. Drill 7 7/8" hole to 8800'. Run and set 8800' of 5 1/2" casing, bottom 2800' 17# N-80 LT&C, middle 5000' 15.5# J-55 LT&C, top 1000' 17# J-55 LT&C. Cement with 600 Sx. Class "H" tail in with 700 Sx. Class "C". Bring cement back to at least 4300' 200' into 8 5/8" intermediate casing.
4. After setting production casing, pay zone will be perforated and stimulated as necessary. See attached for: Supplemental Drilling Data, BOP Sketches, Surface Use and Operations Plan.

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

Joe T. Garcia

TITLE

Agent

DATE

09/06/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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: