

# APPLICATION FOR PERMIT TO DRILL OR DEEPEN

NM-89819

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

NOS 2/4/05

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SECRETARY'S POTASH

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

POGO PRODUCING COMPANY

(RICHARD WRIGHT 432-685-8140)

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (432-685-8100)

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

At surface  
660' FNL & 2310' FWL SECTION 18 T24S-R31E EDDY CO. NM  
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

640

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.

990'

19. PROPOSED DEPTH

8400'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3534' GR.

22. APPROX. DATE WORK WILL START\*

WHEN APPROVED

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
25"	Conductor	NA	40"	Cement to surface W/Redi-mix.
17 1/2"	H-40 13 3/8"	48	915'	800 Sx. circulate cement
11"	J-55 8 5/8"	32 & 24	200'	1200 Sx. " "
7 7/8"	J-55, N-80 4 1/2"	11.6	8400'	1300 Sx. 2 Stage TOC 3500+'

## CARLSBAD CONTROLLED WATER BASIN

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 915'. Run and set 915' of 13 3/8" 48# H-40 ST&C casing. Cement with 800 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 11" hole to 4200'. Run and set 4200' of 8 5/8" casing as follows: 2400' of 8 5/8" 32# J-55 ST&C, 1200' of 8 5/8" 24# J-55 ST&C, 1000' of 8 5/8" 32# J-55 ST&C casing. Cement with 1200 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 7 7/8" hole to 8400'. Run and set 8400' of 4 1/2" casing as follows: 2400' of 4 1/2" 11.6# J-55 LT&C, 5000' of 4 1/2" 11.6# J-55 LT&C, 1000' of 4 1/2" 11.6# J-55 LT&C. Cement in 2 stages, with DV Tool at 6200'±. Cement 1st stage with 550 Sx. of Class "H" Premium Plus cement + additives, cement 2nd stage with 750 Sx. of Class "C" cement + additives, estimate top of cement 3500'± from surface.

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 prevention details, if any.

24. SIGNED [Signature] TITLE ASST. DIRECTOR DATE 02/21/05

(This space for Federal or State office use)

ATTACHED

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:

APPROVED BY

[Signature]

STATE DIRECTOR

DATE

4/20/05

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

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.