

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

reverse side)

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL



DEEPEN



b. TYPE OF WELL

OIL
WELL



GAS
WELL



OTHER

SINGLE
ZONE



MULTIPLE
ZONE



2. NAME OF OPERATOR

ARCH PETROLEUM, INC.

3. ADDRESS AND TELEPHONE NO.

10 Desta Drive, Suite 420E, Midland, TX 79705 (915) 685-1961

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

At surface Unit B, 1300' FNL and 1450' FEL

At proposed prod. zone

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

10 MILES SOUTH OF EUNICE, NM

15. DISTANCE FROM PROPOSED*

1300'

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

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

831'

16. NO. OF ACRES IN LEASE

1520

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3296' GR

22. APPROX. DATE WORK WILL START*

ASAP

23. (539)

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|-----------------------|-----------------|---------------|-----------------------------------|
| 12-1/4" | K-55, 8-5/8" | 24# | 1075' | 600 sx. Cl. 'C' circ. |
| 7-7/8" | J-55, 5-1/2" | 15.5# | 6000' | 1650 sx. Cl. 'C' circ. (TIE BACK) |

Mud Program:

0' - 1075' FW/Spud Mud 8.8--9.0 #/gal., 32 visc., 10 pH

1075' - 5000' BW 10 #/gal., 28 visc., 10 pH

5000' - 6000' BW/Starch 10 #/gal., 30 visc., 10 pH

See attached BOP drawing for 3000 psi system

OPER. OGRID NO. 962

PROPERTY NO. 14898

POOL CODE 58300

EFF DATE 1/19/96

API NO. 32-025-33254

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new production 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 Banmi Brooks TITLE PRODUCTION ANALYST DATE 11/30/95

(This space for Federal or State office use)

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 _____ TITLE _____ DATE 1/19/96

*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.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED