

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

4-02-97 JP  
4-2-97 Rm

Expires: December 31, 1991

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, STE. 420E, MIDLAND, TX 79705

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

At surface UNIT O, 330' FSL, 1340' FEL

At proposed prod. zone

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

12 MILES SOUTH OF EUNICE NEW MEXICO

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

330'

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

18. DISTANCE FROM PROPOSED LOCATION\*

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

718'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED

TO THIS WELL

20

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3295'

22. APPROX. DATE WORK WILL START\*

05/15/97

23.

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.

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

500-6000' BW/Starch 10 #/ga., 30 visc., 10 pH

See attached BOP drawing for 3000 psi system.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

OPER. GRID NO. 962  
PROPERTY NO. 14919  
POOL CODE 58300  
EFF. DATE 5/9/97  
PI NO. 30-025-33963

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 Samuel Brooks TITLE Production Analyst

DATE 3/21/97

(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 DM MINERALS TITLE

DATE 4/21/97

\*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.