

UNITED STATES  
DEPARTMENT OF THE INTERIOR

## BUREAU OF LAND MANAGEMENT

SUBMIT 1578  
REPLICATE  
Hobbs, NM 88240FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

0600

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

INJ WELL

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

ARCH PETROLEUM, INC.

(RICHARD WRIGHT 915-685-8140)

## 3. ADDRESS AND TELEPHONE NO.

P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (915-685-8100)

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

At surface

1700' FNL &amp; 10' FEL SEC. 21 T23S-R37E LEA CO. NM H

At proposed prod. zone SAME

SUBJECT TO LIKE APPROVAL BY STATE

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

Approximately 12 miles Southeast of Eunice New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

10'

## 16. NO. OF ACRES IN LEASE

1280

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.

660'

## 19. PROPOSED DEPTH

5350'

## 20. ROTARY OR CABLE TOOLS

ROTARY

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

3294' 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 with Redi-mix.
12 1/4"	J-55 8 5/8"	32	1100'	775 Sx. circulate cement to surface
7 7/8"	J-55 5 1/2"	17	5350'	1100 Sx. 2 stage TOC 500' FS.

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 12 1/4" hole to 1100'. Run and set 1100' of 8 5/8" 32# J-55 ST&C casing. Cement with 775 Sx. of Class "C" cement + 2% CaCl + 1/4# Flocele/Sx., circulate cement to surface.
3. Drill 7 7/8" hole to 5350'. Run and set 5350' of 5 1/2" 17# J-55 ST&C casing. Cement in two stages, DV tool set at 4000'±. Cement 1st stage with 500 Sx. of Class "C" cement + additives, cement 2nd stage with 600 Sx. of Class "C" cement + additives. Top of cement 500' from surface.

OPER. OGRID NO. 962

PROPERTY NO. 14898

Capital Controlled Water BROOK CODE 58300

EFF. DATE 7-1-02

API NO. 30-025-35942

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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.

SIGNED

TITLE Agent

DATE 05/21/02

(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

/s/ JOE G. LARA

TITLE

FIELD MANAGER

DATE

JUN 26 2002

\*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.

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SEN JOE G. LABA