

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

ARCO Oil and Gas Company

Division of Atlantic Richfield Company

## 3. ADDRESS OF OPERATOR

P. O. Box 5540, Denver, Colorado 80217

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

At surface

850' FNL &amp; 850' FWL

At proposed prod. zone

Approx the same

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

Farmington, New Mexico 2 miles south

## 15. DISTANCE FROM PROPOSED\*

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

3500'

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

1800'

## 16. NO. OF ACRES IN LEASE

2560

## 19. PROPOSED DEPTH

6775'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL 320 W 1/2

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5809' GL

## 22. APPROX. DATE WORK WILL START\*

When appr'd app'l rec'd

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

## PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative  
appeal pursuant to 30 CFR 290.

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12-1/4"      | 8-5/8"         | 20#             | 700'          | Cement to surface  |
| 7-7/8"       | 4-1/2"         | 10.5#           | T.D.          | 350 sx             |

Propose to drill well to sufficient depth to test the Dakota formation, setting surface casing and if productive, setting production casing. If Dakota formation is productive, will perforate, test and treat, if necessary.

Pursuant to the provisions of NTL-6, attached are:

Certified Location Plat  
Drilling Plan with attachment  
Surface Use and Operations Plan with attachments

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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

W. A. Walther, Jr.

TITLE Operations Manager

DATE

7-27-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(Orig. Sgd.) RAYMOND W. VINIARD

RAYMOND W. VINIARD  
ACTING DISTRICT SUPERVISOR

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 24 1981

NMOCC