

M.O.C.D. COPY

SUBMIT IN TWO PARTS  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.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

Box 1710, Hobbs, New Mexico 88240

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

At surface 2310' FSL &amp; 660' FEL (Unit letter I)

At proposed prod. zone  
as above

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

7.3 miles north from Carlsbad on U.S. Hwy 285

15. DISTANCE FROM PROPOSED\*  
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.  $\frac{1}{2}$  mi west of  
Pure Fed #116. NO. OF ACRES IN LEASE  
64019. PROPOSED DEPTH  
10,500'17. NO. OF ACRES ASSIGNED  
TO THIS WELL 32020. ROTARY OR CABLE TOOLS  
Rotary

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

3273.2' GR

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

9/1/80

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 $\frac{1}{2}$ "	13-3/8" OD	54.5# K-55	450'	1000 sx, circ to surface
12 $\frac{1}{4}$ "	8-5/8" OD	28# S-80	3500'	1500 sx, circ to surface
7-7/8"	5 $\frac{1}{2}$ " OD	17# I-80	10500'	2200 sx, circ to surface

Propose to drill a development well to test the producing capabilities of the Morrow Gas zone and more economically drain the remaining reserves from the Morrow Gas zone. Recent field rules changed from 640 acres spacing to 320 acres spacing.

RECEIVED

MAY - 7-1980

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

RECEIVED

OCT 24 1980

GAS IS NOT DEDICATED

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

TITLE

Dist. Drlg. Supt.

DATE

5/2/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side