

OIL CONS. COMM. ON  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1425.

## 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 Co.

## 3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, N M 88241-1710

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

At surface: 610' FSL &amp; 1980' FEL

At proposed prod. zone

as above

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

3.5 miles East Loco Hills, N. M.

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 660' nearest lease line  
(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.

## 16. NO. OF ACRES IN LEASE

200

## 19. PROPOSED DEPTH

3200'

## 17. NO. OF ACRES ASSIGNED TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

Completion Unit

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

3585' GR

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

11/10/81

## 23.

## Casing In Hole

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8-5/8" OD	28#	499'	50 sx
	7" OD	20#	3080'	125 sx

Propose to deepen the above well from 3141-3200' in same zone and recover additional reserves in the following manner:

1. Rig up, POH w/compl assy, install BOP.
2. RIH w/bit, CO to 3141'. Drill 6-1/8" hole 3141-3200'.
3. Run GR-Neutron log, run trtg pkr, set @ 3000'. Frac treat premier 3000-3200' w/ 1000 gals 15% HCL acid, 20,000 gals cross linked gel contg 39,000# sd in 2 stages. Flush w/gel 2% KCL wtr. Swab back, CO fill.
4. RIH w/compl assy, swab test & return to prod.

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

*James W. Schmidt*

TITLE Dist. Drlg. Supt.

DATE 11/04/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

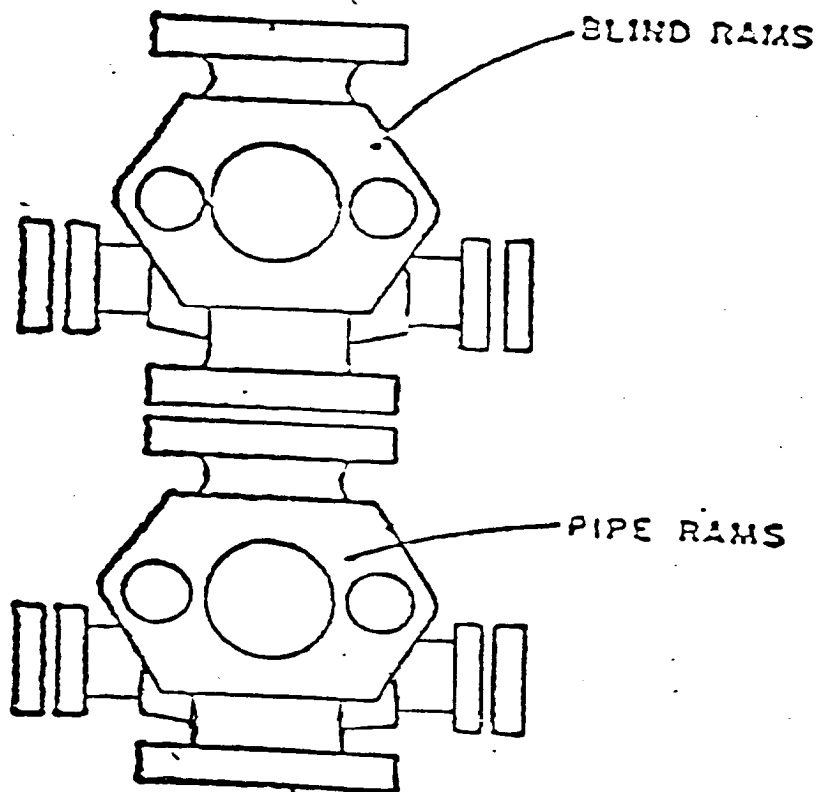
CONDITIONS OF APPROVAL, IF ANY:

APPROVED

NOV 10 1981

JAMES A. SCHMIDT

\*See Instructions On Reverse Side



ARCO Oil & Gas Company  
Division of Atlantic Richfield Company  
Blow Out Preventer Program

Lease Name Fren Oil Co.

Well No. 12

Location 610' FSL & 1980' FEL,  
Sec 19-17S-31E, Eddy Co., N M

BOP to be tested before installed on well and will be maintained in good working condition during drilling. A wellhead fittings to be of sufficient pressure to operate in a safe manner.