

RECEIVED

NM OIL CONS. COM. LIAISON  
SUBMIT IN DRAWER DD (Other instructions on reverse side)  
Artesia, NM 8821030-015-24773  
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

Orla Petco, Inc.

## 3. ADDRESS OF OPERATOR

P.O. Box 953 Midland, Texas 79702

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

At surface

990' FSL and 330' FEL

At proposed prod. zone

Cherry Canyon

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

3 miles East of Otis, New Mexico

## 10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

330'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1st

## 16. NO. OF ACRES IN LEASE

280

## 19. PROPOSED DEPTH

3750'

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

40

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3045.0 GR

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

February 25, 1984

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	350'	300 Class C 2% Ca Cl
7 7/8	4 1/2	9.5#	3750'	750 Class C 2% Ca Cl

Surface Formation: Quaternary terrace deposits

Rotary Drilling Rig: Shafter 11" 3000 LSW

Estimated Geological Tops: Base of Salt-2140' Delaware Sand-2436', Top DE1 Lime 2374', Cherry Canyon-3260'

Pressure Control equipment specifications: Rotary Drilling Rig utilizes Shafter 11' 3000 LSW. with blowout preventer

Estimate will encounter water between 70-85' - Estimate will encounter oil at 2450'

Logging: Compenstaed Neutron Formation Density, Dual Lateral Log, no coring, a possible DST @ approximately 3600'

Anticipate no abnormal pressures and no anticipation of Hydrogen Sulfide Gas

Anticipated starting date: February 25, 1984 Duration: 7 days

Fresh water + mud to 350' - cut line to T.D. P.D.

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 Agent

DATE 1-16-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Richard Bastin

TITLE

ASSOCIATE DISTRICT MANAGER

DATE

FEB 00 7 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*See Instructions On Reverse Side