

30-015-25647

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

c/o Box 953, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with the following requirements.)

At surface

1980 FWL & 660' FSL of Sec. 22

At proposed prod. zone

Same

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

13 miles WNW of Artesia, NM

15. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

40

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.

1st well

19. PROPOSED DEPTH

3300'

20. ROTARY OR CABLE TOOLS

Rotary

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

3701 GL

22. APPROX. DATE WORK WILL START*

7-20-86

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# | 1050 | 550 50/50 Poz CIRCULATE |
| 7 7/8" | 4 1/2" | 9.5# | 3300 | 250 sx 50/50 Poz |

Surface Formation - Clay dominated soils

Rotary drilling rig - 3,000# Schafer BOP

Estimated Geological Tops - San Andres 500⁺, Glorieta 1950⁺, Tubb (Reef) 3150⁺

Pressure Control Equipment - 3,000# Schafer BOP, 10" - 900 series tested to 2500#

Estimate will encounter water between 500'-550', Possible water zone @900', Estimate will encounter oil @ 3150⁺

Anticipated starting date July 20, 1986

Anticipate mud up @ 3100'. Mud wgt. 10.0#, 33 Vis, Keep mud in shape to TD for Logs.

Fresh water to 1050'
Open hole Logs @ TD CNLD, DLL, CL

No abnormal pressure anticipated. Anticipated BHP - 1600# Max

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

[Signature]

TITLE Agent

DATE July 15, 1986

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side