

NMOCC COPY

SUBMIT IN TRIP  
(Other instructions on  
reverse side)

Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Copy to 57

30-015-22502

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 ☒

MULTIPLE ☐

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

1650' FSL & 330' FEL of Section 31.

At proposed prod. zone

Same

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

3 miles East of Otis

16. DISTANCE FROM PROPOSED\*

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

330'

16. NO. OF ACRES IN LEASE

160

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.

1320

19. PROPOSED DEPTH

2600

20. ROTARY OR CABLE TOOLS

Cable Tools

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

3060' G.L.

22. APPROX. DATE WORK WILL START\*

April 15, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8 5/8"	24#	365' +	250 sx Class "C", 2% CaCl
8"	4 1/2"	9.5#	2600' +	125 sx Class "C", 2% CaCl

Surface Formation: Quaternary terrace deposits.

Cable Tool Drilling Rig: Blind Ram Cable Tool Control Head Blowout Preventer.

Estimated Geological Tops: Base of Salt- 2180', Top Delaware Lime-2350'; Top  
Delaware Sand- 2435'.

Pressures Control equipment specifications: Cable Tool Blind Ram Control Head.  
Estimate will encounter water between 70-85', Estimate will encounter oil at  
2450'.

Logging: Gamma-Ray Log, no coring and no drillstem testing.

Anticipate no abnormal pressures and no antipation of hydrogen sulfide gas.

Anticipated starting date: April 15, 1978. Duration - approx. 30 days.

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 Field Manager DATE 3-23-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APR 14 1978

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACTING DISTRICT ENGINEER

DATE

APR 14 1978

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.

EXPIRES

JUL 14 1978

\*See Instructions On Reverse Side

# LOCATION AND ACREAGE DEDICATION PLAT

Effective 1-1-63

All distances must be from the outer boundaries of the Section.

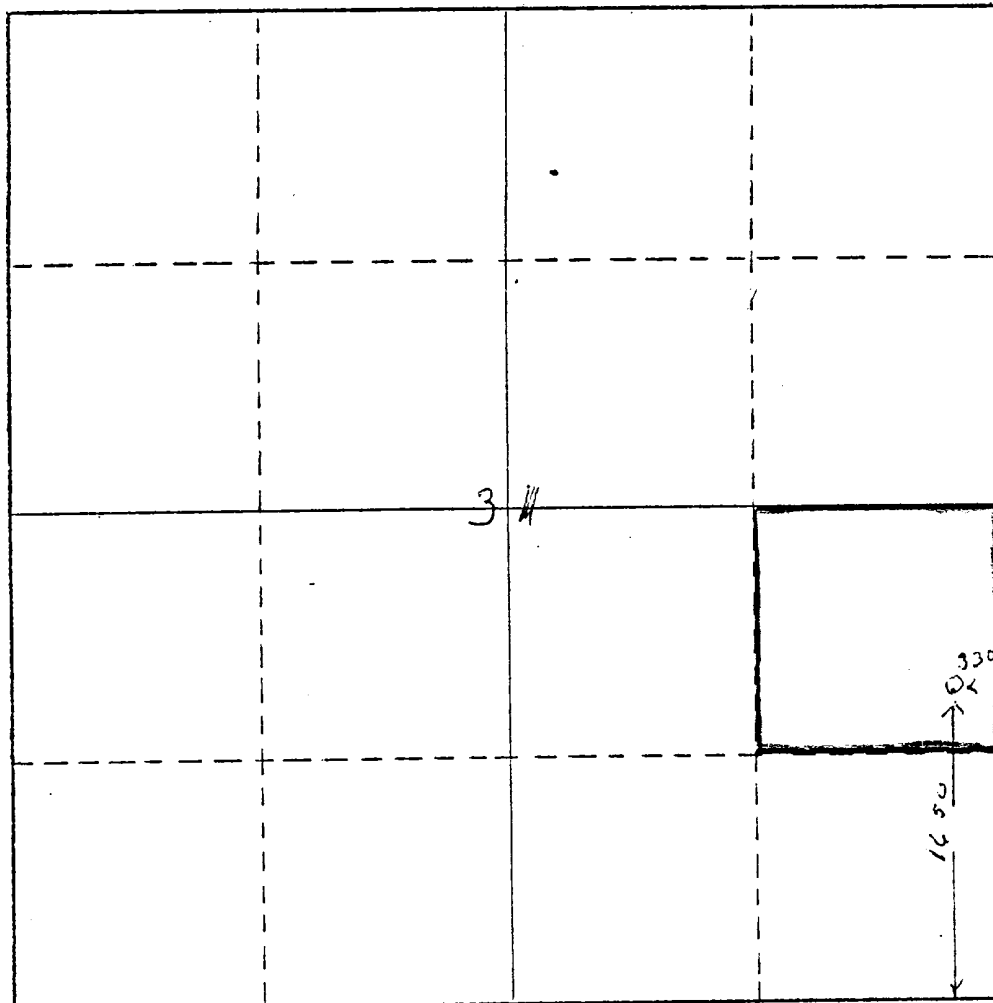
Operator <b>ORLA PETCO, INC.</b>		Lease <b>GOURLEY-FEDERAL</b>		Well No. <b>2</b>	
Unit Letter <b>I</b>	Section <b>31</b>	Township <b>22 S</b>	Range <b>28 E</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>south</b> line and <b>330</b> feet from the <b>east</b> line					
Ground Level Elev. <b>3060</b>	Producing Formation <b>Delaware Sand</b>		Pool <b>Und.</b> <b>Herradura Bend (Delaware)</b>		Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the **UNITIZATION SURVEY** been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



## CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
**James M.C. Ritchie, Jr.**

Position  
**Field Manager**

Company  
**Orla Petco, Inc.**

Date  
**March 6, 1978**

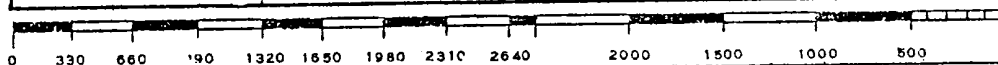
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**Feb. 22, 1978**

Date Surveyed  
*[Signature]*  
Registered Professional Engineer  
and/or Land Surveyor

**N. M. L. S 220**

Certificate No.



RECEIVED

MAR 24 1978

S U R F A C E   U S E   P L A N

ORLA PETCO, INC.  
Gourley-Federal No.2 Lease No. NM-26684  
1650' FSL & 330' FEL of Section 31, T-22-S,  
R-28-E, N.M.P.M. , Eddy County, New Mexico

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

See Exhibit 1 for the location of the existing roads in the vicinity of the proposed drilling location.

2. PLANNED ACCESS ROADS:

A. Length and Width:

The length of the new access road to the location will be approx. 2980' and the width of the new access road will be 12'.  
See Exhibit 3 for plat showing apprx. location of access road.

B. Turnouts:

There will be no turnouts on the new proposed access road to the location of the well.

C. Culverts:

There will be no culverts used on the new access road.

D. Cuts and Fills:

No cuts or fills will be necessary when the access road is built.

E. Gates, Cattleguards:

There will be a cattleguard placed on the south end of the access road, where it meets with the existing access road. See Exhibit 5 for location of cattleguard.

3. LOCATION OF EXISTING WELLS:

See Exhibit No. 2 for the location of the existing wells in a one mile radius of the proposed drilling location.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

See Exhibit 3 for a plat showing the proposed location of the tank battery and flowlines associated with the proposed well in the event of production.

See Exhibit 5 for the plat showing the proposed location of power line poles needed to electrify the wells.

5. LOCATION AND TYPE OF WATER SUPPLY:

Type of Water Supply: City of Carlsbad water.

Location of Supply: B & E Truck Lines yard, water will be stored at water tank (Exhibit 4) at wellsite. Very little water needed (Approx. 140 bbls. total) for a Cable Tool Rig.

Transport Method: Truck

Transport Route: Access road to drillsite - Exhibit 3, for access road and proposed road. Proposed road marked in red.

6. SOURCE OF CONSTRUCTION MATERIALS:

Caliche for surfacing the road and well pad will be obtained from an existing pit in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ , Sec. 5, T-23S, R-28E. The pit is owned by Julius Roberson. Location of the pit is shown on Exhibit 1.

7. METHODS OF HANDLING WASTE DISPOSAL:

Cuttings: Cuttings will be covered when the plastic lined slush pit is leveled. Pit will be covered a minimum of 24" of topsoil.

Garbage and Trash: To be buried in slush pit, small paper waste will be placed in barrel containers and hauled off location.

Additional Requirements for Waste Disposal:

The small amount of drilling fluids needed will be allowed to evaporate in the slush pit.

8. ANCILLARY FACILITIES:

None required.

9. WELLSITE LAYOUT:

Exhibit 4 shows the relative location and dimensions of the well pad, mud pits, reserve pits, and location of major rig components. The drilling pad will be constructed using compacted crushed caliche rock, if needed.

10. PLANS FOR RESTORATION OF THE SURFACE:

Stockpiling Topsoil: The topsoil covering the drillsite will be stockpiled when the drilling pad and slush pit are constructed and will be replaced upon completion of operations.

Leveling: Upon completion of drilling operations, the slush pit will be leveled and covered with the original topsoil at least 24" deep. All trash will be cleaned off location.

Reseeding: Because vegetation consists of random clumps of grass and mesquite bushes, reseeding of the drillsite will not be attempted.

Seed Mixture: Not applicable.

11. OTHER INFORMATION:

A. Topography: Land surface is undulating to gently rolling and dunny. From an elevation of 3060 feet at wellsite, the land surface slopes gently toward the south at about 25 feet per mile.

B. Soil: Terrace Gravel

C. Flora and Fauna: Creosote bushes, Sage, Broom snakeweed, Crown of thorns.

D. Ponds and Streams: There are no streams or ponds in the area.

E. Residences and Other Structures: The nearest occupied dwelling is a ranch house located 1/8 of a mile west of the proposed location

F. Land Use: Grazing

G. Surface Ownership: Wellsite is on Federal surface.

12. OPERATOR'S REPRESENTATIVE:

The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

Harry R. Sindorf  
1002 N. Mesa St #16  
Vista del Sol Apartments  
Carlsbad, New Mexico 88220  
Home Phone: (505) 885-9978

Bucky Ritchie  
403 Oil & Gas Bldg.  
Midland, Texas 79701  
Office Phone: (915) 684-4762  
Home Phone: (915) 684-8797

13. CERTIFICATION:

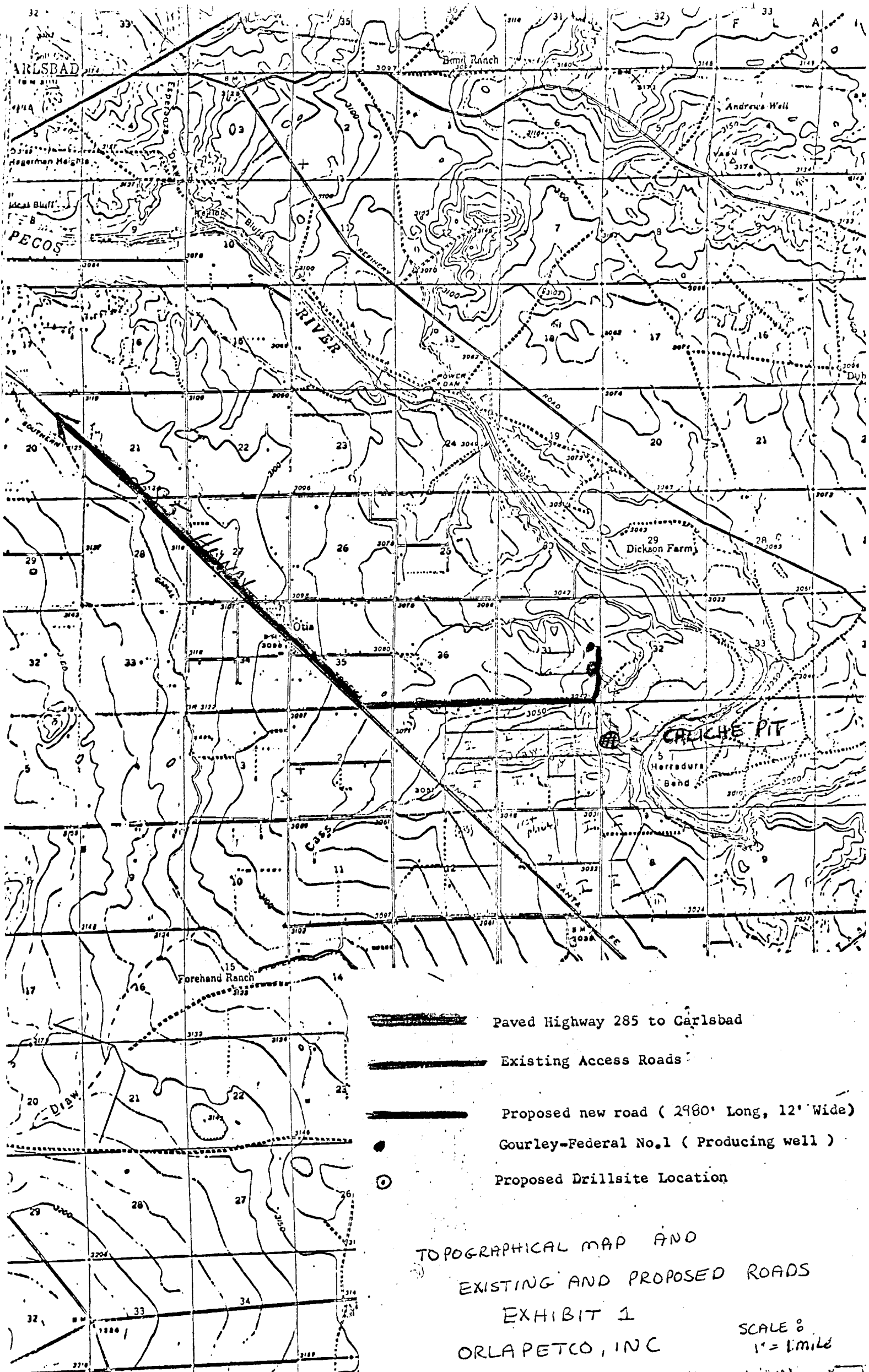
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that i am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by Orla Petco, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date 3-23-78

John H. Petco  
Name

Field Manager

Title



13

24

9

ORLA PETCO, INC. 20

Exhibit No. 2

LAND MAP

Existing Wells - 1 mile  
radius

GOURLEY FEDERAL LEASE  
E/2 NE/4 N/2 SE/4  
T-22-S, R-28-E, Sec 31  
EDDY COUNTY, N.M.

160 acres

1" = 2000'

22 2

26

25

30

29

35

36

31

32

OTIS  
(3 miles)

ORLA  
PETCO,  
INC.  
GOURLEY FEDER

PROPOSED  
LOCATION  
(DEVELOPMENT WELL)

2

1

6

5

LOVING



TANK BATTERY LOCATION

EXHIBIT "3"

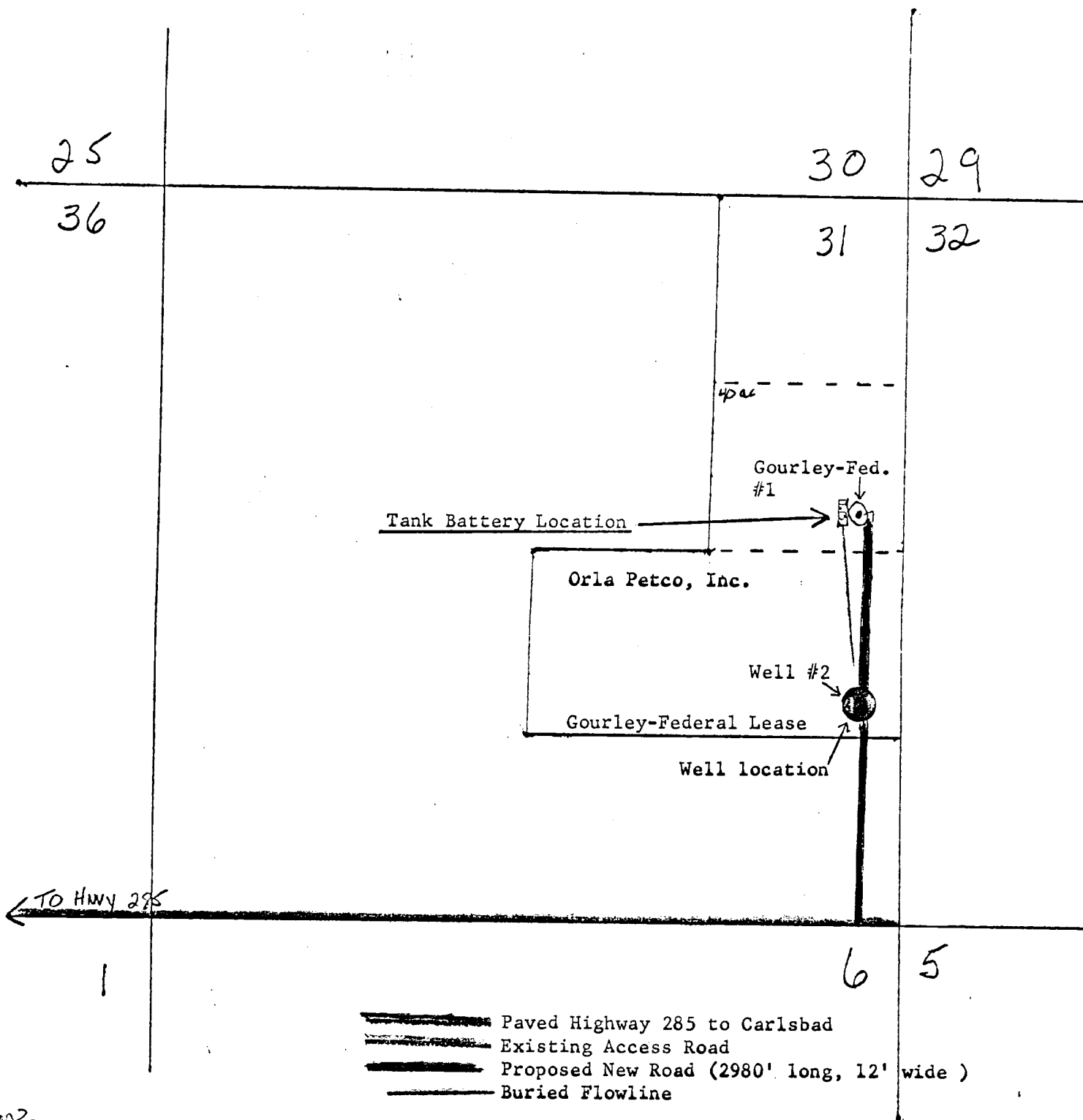
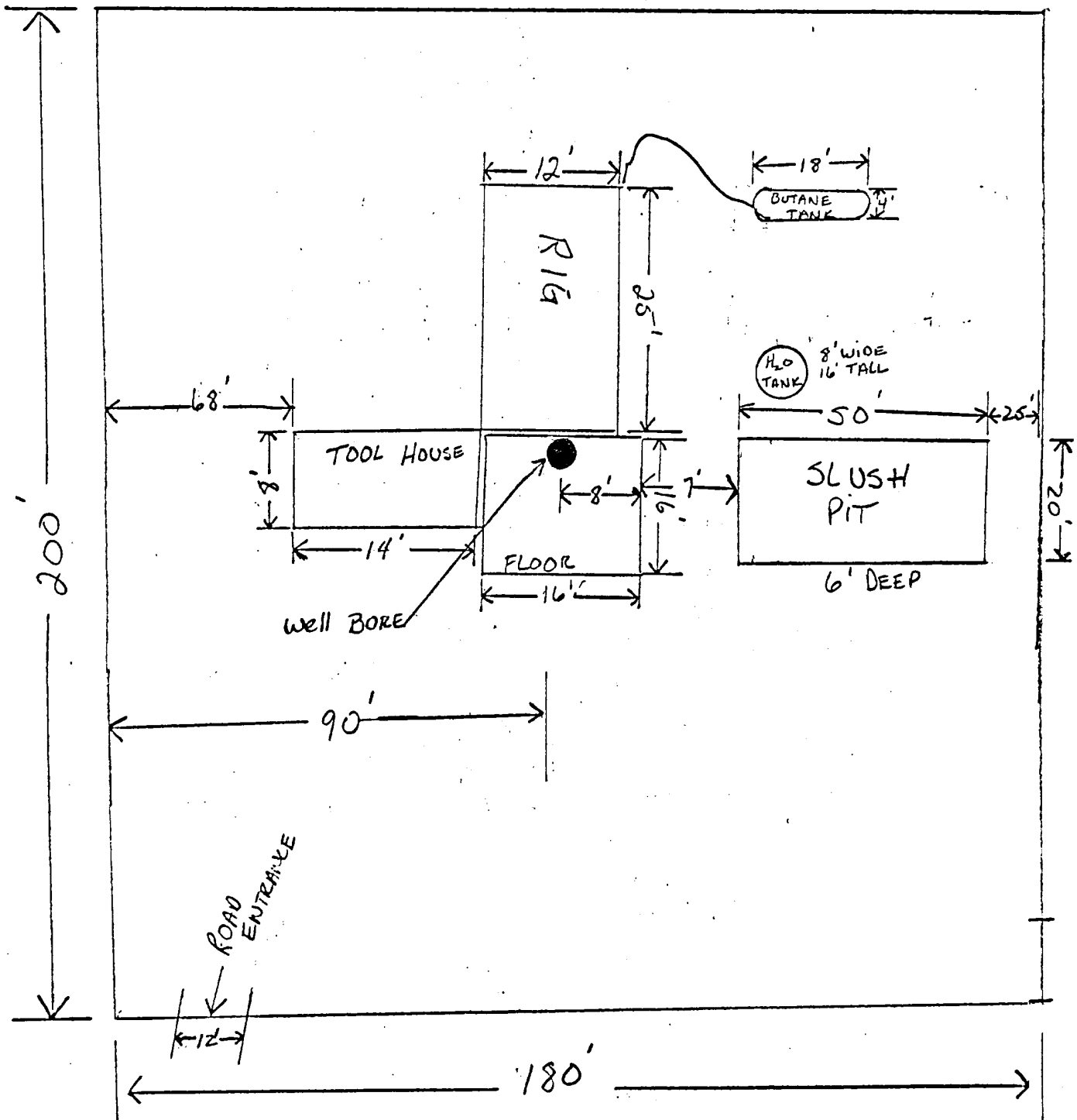


EXHIBIT NO. 4

RIG LAYOUT

GOURLEY-FEDERAL No. 2

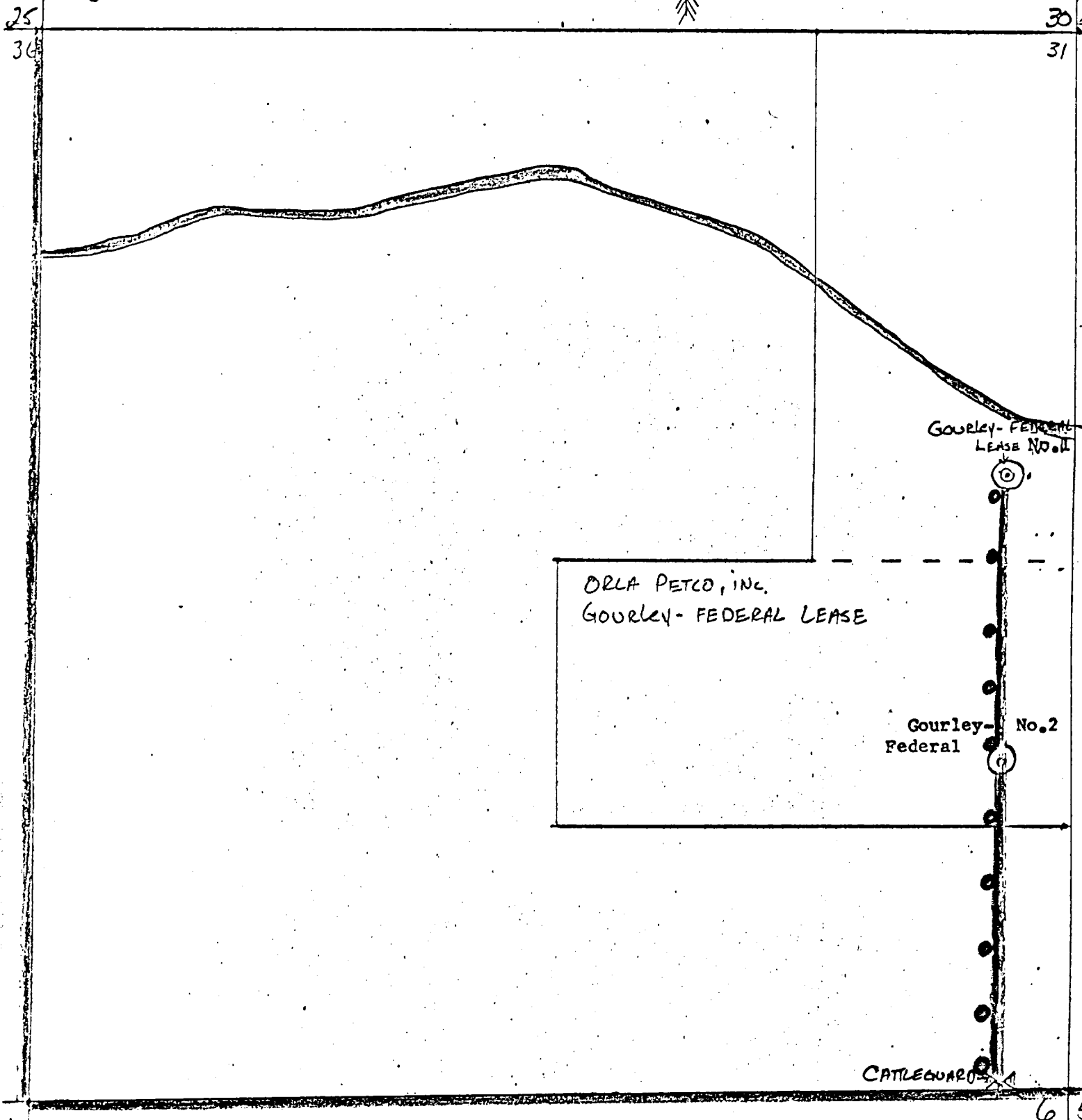
ORLA PETCO, INC.



FOOTAGE IS APPROXIMATE

EXHIBIT 5

- PAVED Highway 285 to C 3800
- EXISTING ACCESS ROAD
- PROPOSED NEW ROAD (2980' Long, 12' wide)
- PRESENT C.I.D ROAD BEING USED
- POLES - FOR POWER LINES



ORLA PETCO, INC.  
GOURLEY - FEDERAL LEASE

Gourley - Federal No. 2

CATLEGUARD

Scale = 1" = 660ft.

385 Hwy