		• •							
orm 9-881 C		N. P. O.C.D. COL	SUBMIT IN TR	IPLICAT	Form approved	EA 344 c/			
(May 1963)	UNIT	ED STATES	30-015-2	No. 42-B1425 File					
		OF THE INTER	IOR	c	5. LEASE DEBIGNATION	·			
	GEOLO	GICAL SURVEY			NM-26684				
APPLICATION	N FOR PERMIT 1	O DRILL, DEEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME			
a. TYPE OF WORK DR		DEEPEN	PLUG BAC		7. UNIT AGREEMENT NA	ME			
D. TYPE OF WELL OIL WELL X G.		81N Z01			8. FARM OF LEASE NAM	E			
. NAME OF OPERATOR					Gourley-Fed	eral			
Orla Petc	o, Inc.					~			
	1383. Midland.	Texas 79702			10. FIELD AND POOL, OF	A WILDCAT			
At surface		Texas 79702 In accordance with any St L of Section 31		X	Herradura Ben 11. SEC., T., B., M., OE B AND SURVEY OF ABJ	LK.			
At proposed prod. zon	-			VL	Section 31, T	-225 R-28E			
14. DISTANCE IN MILES	Same	REST TOWN OR POST OFFICE	•		12. COUNTY OR PARISH	13. STATE			
	es East of Otis			17 10	Eddy	N.M.			
10. DISTANCE FROM PROPO LOCATION TO NEARES PROPERTY OR LEASE I	T		OF ACRES IN LEASE	то т	DF ACRES ASSIGNED HIS WELL L()				
(Also to nearest drig 18. DISTANCE FROM PROP	g. unit line, if any) COSED LOCATION*		478.08 DPOSED DEPTH		EY OR CABLE TOOLS	·			
TO NEAREST WELL, D OF APPLIED FOR, ON TH	RILLING, COMPLETED, IS LEASE, FT.	1320'	2500'	<u> </u> c	Cable Tools				
21. ELEVATIONS (Show wh					22. APPBOX. DATE WOR September				
<u> </u>	Ground Level				Deptember	5, 1900			
io.	F	PROPOSED CASING AND	CEMENTING PROGRA	M					
		WEIGHT PER FOOT	CEMENTING PROGRA	<u>.</u>	QUANTITY OF CEMEN	T			
SIZE OF HOLK	BIZE OF CASING			250	sx Class C, 2%	CaCl cement(ci:			
SIZE OF HOLK		WEIGHT PER FOOT	SETTING DEPTH	250		CaCl cement(ci:			
size of Holk <u>12½''</u> 8''	812E OF CABING 85/8" 43/2"	weight per роот 23# 9.5#	BETTING DEPTH 350' + 2500'	250	sx Class C, 2%	CaCl cement(ci:			
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*See Instructions On Reverse Side

MEXICO OIL CONSERVATION COMMIS. WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances mus	t be from the out	er boundaries of	the Section.	
Operator			Lease			Well He.
ORLA PETC	O onc			Gourley-Fe	deral	4= A
Unit Letter	Section	Township	Flong		County	
J	31	22 Sout	:h 2	8 East	Eddy	
Actual Pointato Linea	tion of W-D:					
1650	foat men the Sc	outh has	and 1	. <u>550 pe</u>	tion the EASE	lie e
Bround Lyvel Elev.	Producing Fo	rmation	Post			Dedicated Acreage:
3056.5	Delawar	e Sand	Herr	adura Bend	l (Delaware)	40 Acres
1. Outline the	acreage dedica	ated to the subje-	ct well by col	lored pencil o	r hachure marks on the	plat below.
 If more the interest and If more that dated by conducted by conducted	in one lease is d royalty). n one lease of o minunitization, No If a	dedicated to the lifferent ownershi unitization, force- nswer is "yes," ty	well, outline p is dedicated pooling.etc? ype of consoli	each and ide l to the well, dation	ntify the ownership e	ereof (both as to working all owners been consoli- well ed. (Use reverse side of unitization, unitization,
If answer is	s "no" list the	owners and tract	descriptions	which have a	tual Bear Shirsolidat	ed. (Use reverse side of
this form if	necessary.)		.r		ARIL	
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					<u>Kan</u>	ames M.C. Ritchie, J:
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					Company	rla Petco, Inc.
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United States Department of the Interior

GEOLOGICAL SURVEY SPECIAL APPROVAL STIPULATIONS

OCT 1 6 1980

RECEIVED

O. C. D. ARTESIA, OFFICE

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN:



THE SPECIAL STIPULATIONS CHECK MARKED BELOW ARE APPLICABLE TO THE ABOVE-DESCRIBED WELL AND APPROVAL OF THIS APPLICATION TO DRILL IS CONDITIONED UPON COMPLIANCE WITH SUCH STIPULATIONS. EACH PERMITTEE HAS THE RIGHT OF ADMINISTRATIVE APPEAL TO THESE SPECIAL STIPULATIONS PURSUANT TO TITLE 30 CFR 290.

- 8 surface casing should be set in the Rustler Anhydrite formation and cement circulated to the surface. If surface casing is set at a lesser depth. the casing must be cemented from the casing shoe to the surface or cemented to the surface through a stage tool set at least 50 feet below the top of the Rustler after cementing around the shoe with sufficient cement to fill to the base of the salt section.
 - casing, the blowout preventer assembly will Before drilling below the consist of a minimum of one annular type and two ram type preventers.
 - Casing protectors will be run on drill pipe while drilling through the С. casing. Protectors will be of sufficient number and of sufficient outside diameter to protect the casing.
- Minimum required fill of cement behind the _____ casing is to ______ D.
 - casing string and before drilling into the Ε. After setting the formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.

F. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- (1) A recording pit level indicator to determine pit volume gains and losses.
- (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
- (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
- G. All pits containing toxic liquids will be fenced and covered with a fine mesh netting, if necessary for the protection of livestock or wildlife.
 - Above ground permanent structures and equipment shall be painted in accordance Η. with the Painting Guicelines. The paint color is to simulate:

Sandstone Brown, Fed. Std. 595-20318 or 30318 X

ORX Sagebrush Cray, Fed. Std. 595-26357 or 36357

	X
r	

I. A kelly cock will be installed and maintained in operable condition.

J.

The ARTESIM Sub-District Office is to be notified in sufficient time for a representative to witness:

- (a) Spudding
- (b) Cementing casing

_____inch

inch

(c)-BOP-tests

A Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the U.S. Geological Survey, P.O. Box 26124, Albuquerque, New Mexico 87125. The effective date of the agreement must be prior to any sales.

- L. A Gamma Ray-Compensated Neutron log is required from the base of the salt section to the surface with cable speed not to exceed 3C feet per minute.
- M. At least one working day prior to constructing the well pad, access roads and/or related facilities, the operator or dirt contractor shall notify the authorized officer (Bureau of Land Management, CARLS 34D area). He shall also notify the Authorized Officer within two working days after completion of earth-moving activities.
- N. All access roads constructed in conjunction with the drilling permit (APD) will be limited to a <u>12</u> foot wide driving surface, excluding turnarounds. Surface disturbance associated with construction and/or use of the road will be limited to <u>20</u> feet in width. If well is a producer, all roads will be adequately drained to control runoff and soil erosion. Drainage facilities may include ditches, water bars, culverts and/or any other measures deemed necessary by the authorized officer of the BLM. The following is a general guide for the spacing of water bars:

% Slope

less	; .	than	2	÷											200	ft.
2% t	:0	4													100	tt.
4% t	:0	55.													75	ft.
		than														
Othe	er	spea	c i	al	S	ti	DL	118	at	ior	1S					

0. 0

Any permanent pit containing waste oil must be fenced and covered with mesh wire.

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ORLA PETCO, INC. GOURLEY-FEDERAL No. 4-A, LEASE No. NM-26684 1650' FSL & 1650' FEL of Sec. 31, T-22S, R-28E, Eddy County, New Mexico, N.M.P.M. ubmitted with

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.

See Exhibit 1 for the location of the existing 1. EXISTING ROADS: 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 approximately 550' long and 12' wide. See Exhibit 3 for plat showing approximate 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 in the area of the proposed well.

D. Cuts and Fills:

There will be no cuts and fills when the access road is built.

E. Gates, Cattleguards:

There is a cattleguard placed on the south end of the lease road. See Exhibit 5 for the location of the 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 the 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 well.

5. LOCATION AND TYPE OF WATER SUPPLY:

Type of Water Supply: Location of Supply:	City of Carlsbad water, B & E Truck Lines yard, water will be stored at water tank(Exhibit 4) at wellsite. Very little water needed (approx. 140 bbls.) for a Cable Tool Rig.					
Transport Method: Transport Route:	Truck Access road to drillsite (Exhibit 3) for access road and proposed road. Proposed road to be used is marked in yellow.					

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6. SOURCE OF CONSTRUCTION MATERIALS:

Caliche for surfacing the road and well pad will be obtained from an existing pit in the SW/4 NW/4 of 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 with 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 of 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 pit, and location of major rig components. The drilling pad will be constructed using compacted crushed caliche rock, if needed.

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10. PLANS FOR RESTORATION OF THE SURFACE:

<u>Stockpiling Topsoil</u>: The topsoil covering the drillsite will be stockpiled when the dralling 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 a minimum of 24" of the original topsoil. All trash will be cleaned off location.
- <u>Reseeding</u>: 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 duny. From an elevation of 3056.5' at wellsite, the land surface slopes gently towards the south at about 25'/mile.
- B. Soil: Terrace Gravel
- C. Flora and Fauna: Creosote bushes, Sage, Broom snakeweed, Crown of thorns.
- D. Ponds and Streams: There are no ponds or streams in the area.
- E. Residences and Other Structures: The nearest dwelling is a ranch house approximately ½ mile SE of the wellsite.

F. Land Use: Grazing

G. Surface Ownership: The surface is owned by the Federal Government.

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. Apt. 16 Vista del Sol Apartments Carlsbad, New Mexico 88220 (505) 885-9978

> > or

Bucky Ritchie One Marienfeld Place Suite 155 Midland, Texas 79701 (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 August 27, 1980

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Vice-President Title



Paved Highway 285 to Carlsbad

Existing Access Road

Existing Lease Road

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_____New Proposed Access Road (Approx. 550' Long & 12'wide)

Proposed Drillsite





ROAD LOCATION & TANK BATTERY LOCATION

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EXHIBIT 3



EXHIBIT 4 Rig LAYOUT



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