

APPLICATION FOR PLUG BACK DRILL, DUE TO, OF PLUG BACK

1. TYPE OF WELL: ☒ DTH ☐ DRAIN ☐ PLUG BACK  
 2. TYPE OF WELL: ☐ GAS ☒ OIL ☐ OTHER  
 3. NAME OF OPERATOR: ENTORPE PETROLEUM CORP.

4. NAME OF WELL: 11th Floor, Vaughn Bldg., Midland, Texas 79701  
 5. LOCATION: Section 30 T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4  
 6. DATE OF APPLICATION: OCT 30 1981

7. NAME OF OPERATOR: ENTORPE PETROLEUM CORP.  
 8. NAME OF WELL: 11th Floor, Vaughn Bldg., Midland, Texas 79701  
 9. LOCATION: Section 30 T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4

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 11. NAME OF WELL: 11th Floor, Vaughn Bldg., Midland, Texas 79701  
 12. LOCATION: Section 30 T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4

DATE	TIME	DEPTH	TEMP	PRESS	WELL
11/1/81	10:00	1000'	100	160	508 rx Circulate
11/2/81	10:00	1000'	100	160	508 rx Circulate
11/3/81	10:00	1000'	100	160	508 rx Circulate
11/4/81	10:00	1000'	100	160	508 rx Circulate
11/5/81	10:00	1000'	100	160	508 rx Circulate
11/6/81	10:00	1000'	100	160	508 rx Circulate
11/7/81	10:00	1000'	100	160	508 rx Circulate
11/8/81	10:00	1000'	100	160	508 rx Circulate
11/9/81	10:00	1000'	100	160	508 rx Circulate
11/10/81	10:00	1000'	100	160	508 rx Circulate
11/11/81	10:00	1000'	100	160	508 rx Circulate
11/12/81	10:00	1000'	100	160	508 rx Circulate
11/13/81	10:00	1000'	100	160	508 rx Circulate
11/14/81	10:00	1000'	100	160	508 rx Circulate
11/15/81	10:00	1000'	100	160	508 rx Circulate
11/16/81	10:00	1000'	100	160	508 rx Circulate
11/17/81	10:00	1000'	100	160	508 rx Circulate
11/18/81	10:00	1000'	100	160	508 rx Circulate
11/19/81	10:00	1000'	100	160	508 rx Circulate
11/20/81	10:00	1000'	100	160	508 rx Circulate
11/21/81	10:00	1000'	100	160	508 rx Circulate
11/22/81	10:00	1000'	100	160	508 rx Circulate
11/23/81	10:00	1000'	100	160	508 rx Circulate
11/24/81	10:00	1000'	100	160	508 rx Circulate
11/25/81	10:00	1000'	100	160	508 rx Circulate
11/26/81	10:00	1000'	100	160	508 rx Circulate
11/27/81	10:00	1000'	100	160	508 rx Circulate
11/28/81	10:00	1000'	100	160	508 rx Circulate
11/29/81	10:00	1000'	100	160	508 rx Circulate
11/30/81	10:00	1000'	100	160	508 rx Circulate

4140.4 G.

APPROVED

OCT 28 1981

JAMES A. GUNHAM

11-6-81

POSTED ID-1

API + NL Book

11-6-81

GRAS IS DEDICATED

IN ADDITION TO THE ABOVE, THE FOLLOWING INFORMATION IS SUBMITTED FOR YOUR INFORMATION:

1. The well is located in the 1000' NW 1/4, 1000' NW 1/4, Section 30, T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4.

2. The well is located in the 1000' NW 1/4, 1000' NW 1/4, Section 30, T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4.

3. The well is located in the 1000' NW 1/4, 1000' NW 1/4, Section 30, T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4.

4. The well is located in the 1000' NW 1/4, 1000' NW 1/4, Section 30, T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4.

5. The well is located in the 1000' NW 1/4, 1000' NW 1/4, Section 30, T-1S, R-24E, 1000' NW 1/4, 1000' NW 1/4.

**N MEXICO OIL CONSERVATION COMMISS**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
 Supersedes C-128  
 Effective 1-1-65

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

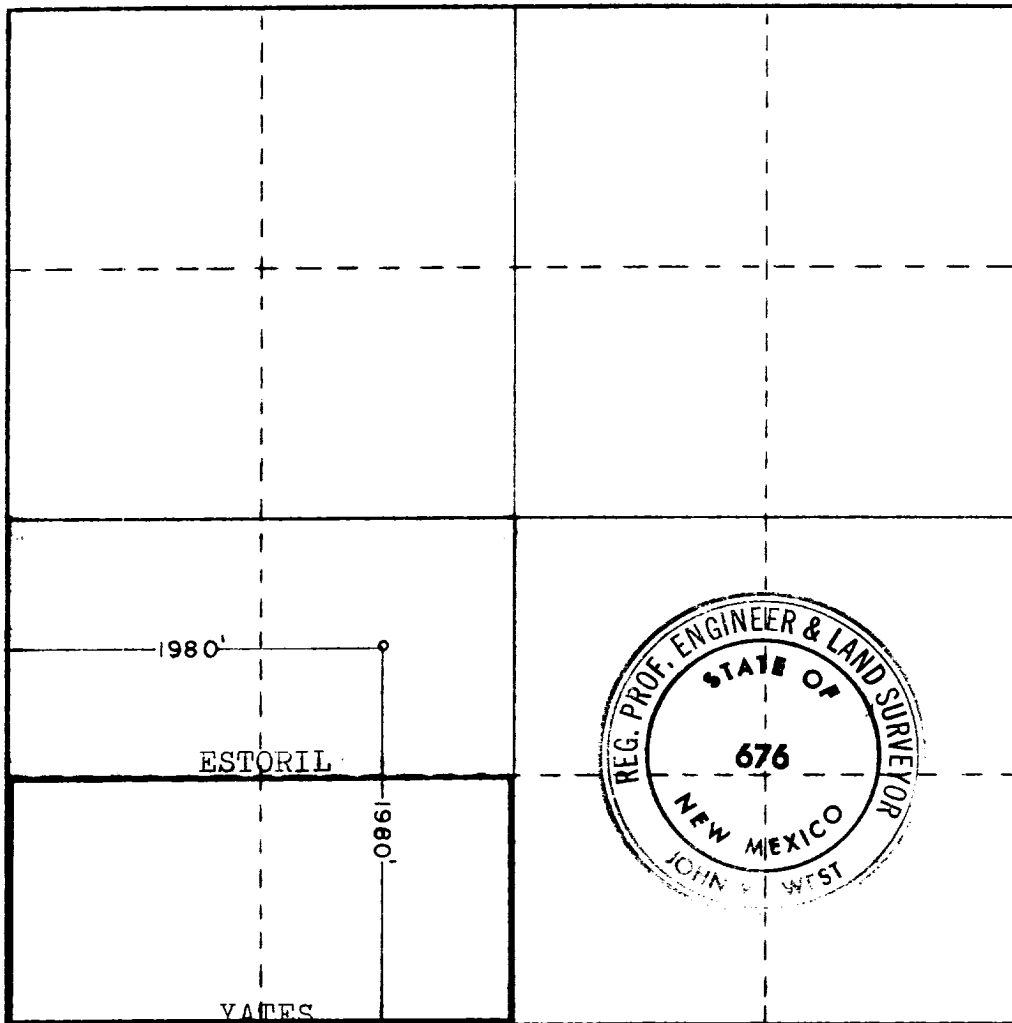
Operator <b>ESTORIL PRODUCING CORP.</b>			Lease <b>SHEEHAN FED. COM.</b>		Well No. <b>1</b>
Unit Letter <b>K</b>	Section <b>30</b>	Township <b>5 SOUTH</b>	Range <b>24 EAST</b>	County <b>CHAVES</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span>1980 feet from the West line and</span> <span>1980 feet from the South line</span> </div>					
Ground Level Elev. <b>4149.4</b>	Producing Formation <b>ABO</b>	Pool <b>UNDESIGNATED ABO</b>		Dedicated Acreage: <b>160</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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes    ☐ No    If answer is "yes," type of consolidation Communitization

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 John W. Franklin  
 Position **AGENT**  
 Company **ESTORIL PRODUCING CORP.**  
 Date **9-8-81**

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.

Date Surveyed **8-18-81**

Registered Professional Engineer and/or Land Surveyor

John W. West  
 Certificate No **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6863**  
**Ronald J. Eidson 3239**



## APPLICATION TO DRILL

ESTORIL PRODUCING CORP.  
Sheehan Federal Comm. No. 1  
1980' FWL & 1980' FSL  
Section 30, T-5S, R-24E  
Chaves County, New Mexico

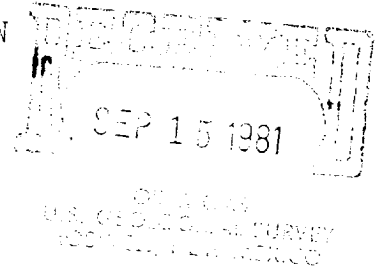
The following answers are provided for your consideration in response to your outline under Section II of Bulletin NTL-6:

1. Location: 1980' FWL & 1980' FSL, Section 30, T-5S, R-24E, Chaves County, New Mexico.
2. Elevation Above Sea Level: 4149.4
3. Geologic Name of Surface Formation: Alluvium
4. Drilling Tools & Associated Equipment: Conventional rotary drilling tools using mud for the circulation medium.
5. Proposed Drilling Depth: 4000'
6. Estimated Geological Marker Tops: San Andres 606'; Glorieta 1598' Abo 3660'.
7. Mineral Bearing Formation: Gas bearing at 3860'.
8. Casing Program: (A). Surface Casing: 13 3/8, 48# new casing.  
(B). Intermediate Casing: 8 5/8, 24# new casing.  
(C). Production Casing: 4 1/2, 10.5# new casing.
9. Setting Depth of Casing & Cement for Same: (A). 13 3/8 casing set at 450'. Cement will be circulated to surface using 595 sacks of Class C cement. (B). 8 5/8 casing set at 1600'. Cement will be circulated to surface using 681 sacks of Pacesetter Lite C cement with 10 lb. of gilsonite per sack plus 1 lb. of Cello-Seal per sack, followed by 200 sacks of Class C plus 1% CaCl. (C). 4 1/2 casing set at 4000'. Cement will be circulated to surface using 730 sacks of Pacesetter Lite C plus 10 lb. salt per sack, 1/4 lb. Cello-Seal, followed by 200 sacks of 50-50 Pozmix C plus 2% Gel and 6 lb. salt per sack.
10. Pressure Control Equipment: After intermediate casing is set, blowout preventers will be installed. They will be Schaeffer 4 1/2" double rams with 3400 p.s.i. working pressure. The blowout preventers will be tested to 1000 p.s.i. after they are installed.

11. Proposed Circulation Medium: Mud will be used for circulation for all depths in this well. If there is any change in the mud program, the U.S.G.S. will be notified. The following mud properties will be maintained. Viscosity sufficient to clean the hole; Weight 9.5 - 10.0 p.p.g. Viscosity 35 - 40 for good samples through the pay zone.
12. Testing, Logging, and Coring Programs: (A). Testing: All testing will be commenced after the well has been drilled and casing has been set and cemented. (B). Logging: At total depth the following logs will be run; (1). Compensated Neutron Formation Density with Gamma Ray and Caliper. (2). Dual Laterolog - RXO (C). No coring is anticipated.
13. Potential Hazards: No abnormal pressure or temperature zones are anticipated.
14. Anticipated Starting Date and Duration of Operations: Oct. 8 through Oct. 19 for drilling operations. Oct. 22 through Oct. 31 for completion.
15. Other Facets of Operations: After running 4 1/2 casing, cased hole gamma ray correlation logs will be run from total depth over and above the pay zone. The Abo formation will then be perforated and treated. The well will then be tested for commercial production.

SURFACE USE AND OPERATION PLAN

ESTORIL PRODUCING CORP.  
Sheehan Federal Comm. No. 1  
1980' FWL & 1980' FSL  
Section 30, T-5S, R-24E  
Chaves County, New Mexico



1. Existing Roads

- A. Exhibit 'A' is a portion of a map displaying the location of the proposed well as staked. Proposed location is approximately 26 miles north of Roswell, N.M.
- B. Exhibit 'B' consists of the existing roads in the immediate area of the proposed location. Will improve existing road.

2. Access Roads

- A. Planned access roads are also shown on Exhibit 'B'.
- B. The road will be partially constructed of caliche and will be 12' wide and approximately 3300' in length.

3. Location of Existing Wells

- A. There is no existing wells within the immediate area.

4. Location of Existing Tank Battery

- A. A tank battery will be installed on the drilling pad on this well. Exhibit 'C' illustrates the probable set up.

5. Location and Type of Water Supply

- A. There is no known surface water in the area.
- B. All water used in drilling operations will be trucked to the drillsite from commercial sources.

6. Source of Construction Materials

- A. Construction materials will be partially caliche, which will be purchased from a nearby source. Caliche pit is located in the NE/4 of Section 22, T-5S, R-24E.

7. Methods for Handling Waste Disposal

- A. Well cuttings will be disposed of in the reserve pit. All waste will be buried in a separate pit.
- B. After completion, any produced water will be collected in tanks and trucked to an appropriate disposal system.

8. Auxiliary Facilities

- A. None anticipated.

9. Wellsite Layout

- A. Attached is a plat of the wellsite and rig layout.  
Exhibit 'D' illustrates the layout.

10. Plans for Restoration of the Surface

- A. After completion of the well, pits will be filled and location cleaned of all trash and junk to leave the wellsite in good condition.
- B. Any unguarded pits containing fluids will be fenced off until they are filled.

11. Other Information

- A. Topography: Terrain in the area consists of an eminence overlooking a minor drainage system toward the south, subject to ephemeral sheetwash.
- B. Soil: Belongs to the Typic Calciorthid subgroup.
- C. Vegetation: Made up predominately of Prosopis juliflora, and also Yucca glauca and Opuntia macrocentra.
- D. Fauna: Consists of crotalus and sistrurus Canis lantrans, lepus alleni, mephitis and antelope.
- E. The surface of this land is being utilized to a limited extent as grazing land for cattle.
- F. The surface is federal.
- G. One isolated cultural resource was recorded 200' west of the center stake. The position of the cultural resource will not effect the position of the drillsite.

12. Operator's Representative

Terry W. Franklin  
2607 Sunset Circle  
Hobbs, New Mexico 88240  
(505) 392-3212

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 that 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 ESTORIL PRODUCING CORP. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

8-30-51  
Date

Terry W. Franklin  
Terry W. Franklin  
Agent  
ESTORIL PRODUCING CORP.