

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

El Paso Natural Gas Company

## 3. ADDRESS OF OPERATOR

Box 990, Farmington, New Mexico

## 4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)

At surface

1000'S, 1000'W

At proposed prod. zone

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

OIL CON. COM.  
DIST. 315. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

## 16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

7620'17. NO. OF ACRES ASSIGNED  
TO THIS WELL319.06

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

6479' GL, 6469' DF

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

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<u>15"</u>	<u>9 5/8"</u>	<u>32.3#</u>	<u>300'</u>	<u>300 Sacks</u>
<u>7 7/8"</u>	<u>4 1/2"</u>	<u>10.5# &amp; 11.6#</u>	<u>7620'</u>	<u>400 Sacks</u>

Second stage tool to be set at 5500', third stage tool at 3300'.

4 1/2" Production - First stage - precede cement with GP-100 and cement with 200 sacks of a ratio of 1:1 Pozmix "S" and Class "A" cement w/1/4# Flocele/sk., 2% calcium chloride.

Second stage - circulate with mud for three hours and precede cement with GP-100 and cement with 100 sacks of a ratio of 2:1 Pozmix "S" and Class "C" cement with 1/4# Flocele/sk., and 1/2 cu. ft. Strata-Crete "6"/sk., and 2% gel.

Third Stage - Circulate with mud for three hours and cement with 100 sacks of a ratio of 2:1 Pozmix "S" and Class "C" cement with 1/4# Flocele/sk., and 1/2 cu. ft. Strata-Crete "6"/sk.

The W/2 of Section 31 is dedicated to this well.

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 ORIGINAL SIGNED E. S. OBERLYTITLE Petroleum EngineerDATE 6-11-65

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

RECEIVED

JUN 14 1965

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION  
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.

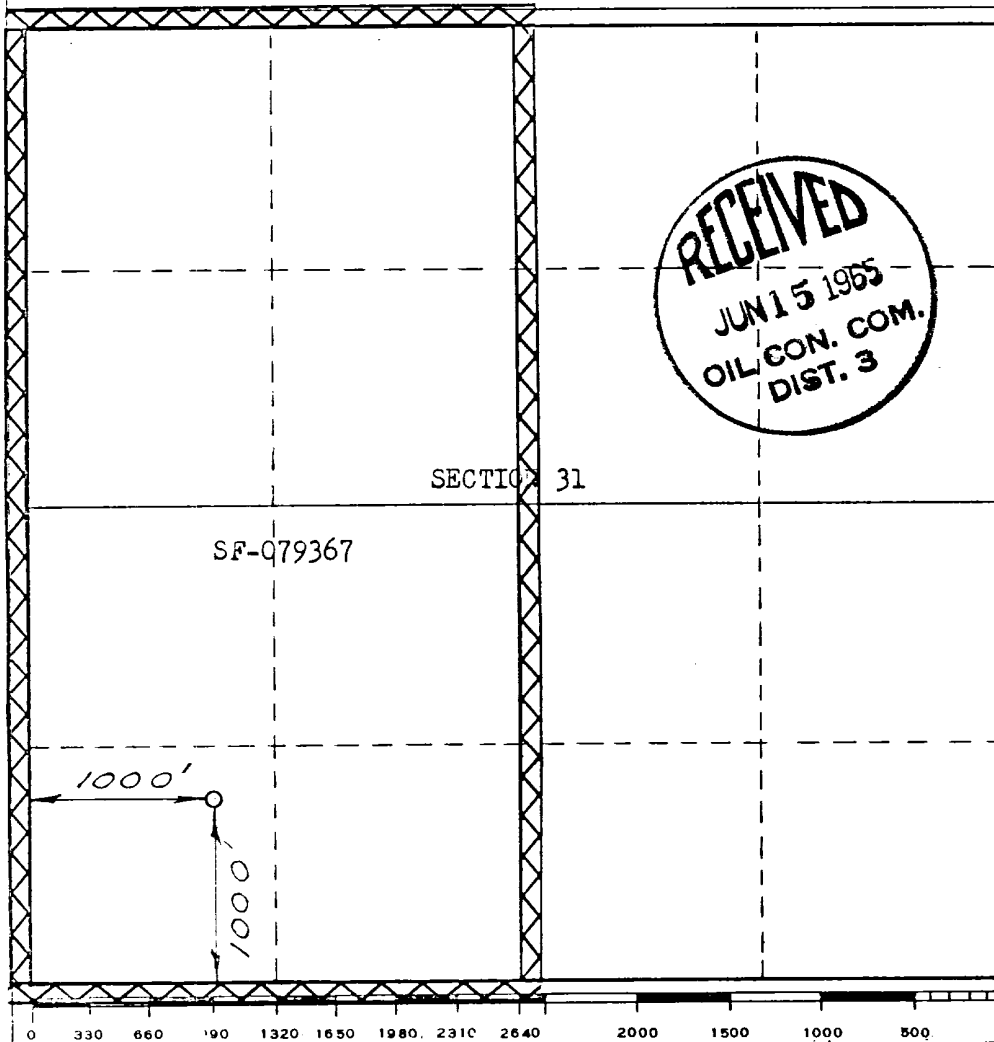
EL PASO NATURAL GAS COMPANY		Lease SAN JUAN 27-5 UNIT SF-079367		Well No. 97
Unit Letter M	Section 31	Township 27-N	Range 5-W	County RIO ARriba
Actual Footage Location of Well: 1000 feet from the SOUTH line and 1000 feet from the WEST line				
Ground Level Elev. 6479	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 319.08 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 Unitization

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.

ORIGINAL SIGNED BY S. OBERLY

Name  
Petroleum Engineer  
Position  
El Paso Natural Gas Company  
Company  
June 11, 1965  
Date

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  
MAY 27, 1965  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No. 1760