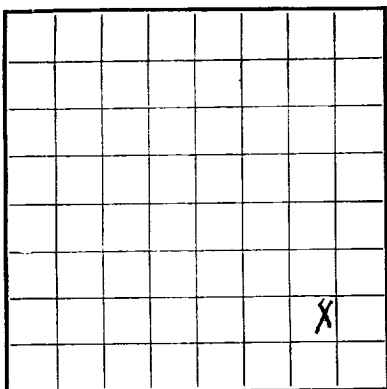


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 070174-A  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997 Farmington, New Mexico  
Lessor or Tract Kessler Field Aztec State New Mexico  
Well No. 2 Sec. 25 T. 30N R. 11W Meridian N. M. P. M. County San Juan  
Location 990 ft. <sup>(N.)</sup> of 8 Line and 990 ft. <sup>(W.)</sup> of E Line of Section 25 Elevation 5987'  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_

Date October 20, 1953Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 3-24, 1953 Finished drilling 9-25, 1953

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2370 to 2430 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make     | Amount | Kind of shoe | Cut and pulled from |    | Purpose    |
|-------------|-----------------|------------------|----------|--------|--------------|---------------------|----|------------|
|             |                 |                  |          |        |              | From                | To |            |
| 9-5/8       | 25.4            | S. W.            | Armco    | 121    | Armco        |                     |    | Surface    |
| 5 1/2       | 17              | 8 rd             | Armco    | 2377   | Ball         |                     |    | Proc. Gas  |
| 1"          | 1.68            | 8 rd             | Std. Bk. | 2419   |              |                     |    | Proc. Eng. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 9-5/8       | 125       | 112                    | Circulated   |             |                    |
| 5 1/2       | 2387      | 150                    | Sing. Stage. |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size  | Shell used | Explosive used | Quantity | Date    | Depth shot | Depth cleaned out |
|-------|------------|----------------|----------|---------|------------|-------------------|
| 4 1/2 | Regular    | 6.N.G.         | 105      | 9-26-53 | 2388-2430  | 2430              |

## TOOLS USED

Rotary tools were used from 0 feet to 2387 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 2387 feet to 2430 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

September 23, 1953 Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours 2,420,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 676

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                                                                                                                                                                                                                                                                                                                                         |
|-------|------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0     | 400  | 400        | <div>Tan cr-grn ss w/thin sh break<br/>Variegated sh w/thin ss break<br/>Tan to gry cr-grn ss interbedded w/gry sh.<br/>Ojo Alamo ss. White cr-grn ss<br/>Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.<br/>Fruitland formation. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss<br/>Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.</div> |
| 400   | 795  | 395        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 795   | 1055 | 260        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1055  | 1178 | 123        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1178  | 1969 | 791        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1969  | 2397 | 428        |                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2397  | 2430 | 33         | Tops<br>Ojo Alamo 1055<br>Kirtland 1178<br>Fruitland 1969<br>Pict. Cliffs 2397 (top estimated).                                                                                                                                                                                                                                                                                                   |

