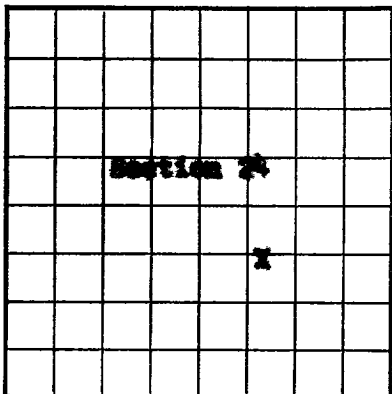


Form 9-380

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078318  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico  
Lessor or Tract Section 24 Field Wildcat State New Mexico  
Well No. 1650 Sec. 3 T. 36N R. 6W Meridian 10E County San Juan  
Location 1650 ft. S. of 3 Line and 1650 ft. E. of 2 Line of Section 24 Elevation 6712  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well Original Signed L. F. Stone  
so far as can be determined from all available records.

Date May 9, 1952 Signed \_\_\_\_\_ Title Petroleum Engineer

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

Commenced drilling November 3, 1951 Finished drilling March 30, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)  
No. 1, from 3112 to 3199 (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 600 to 940 No. 3, from 1050 to 1070  
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 | Perforated  |     | Purpose           |
|---------------|-----------------|------------------|---------------|-------------|-------------------------|---------------------|-------------|-----|-------------------|
|               |                 |                  |               |             |                         |                     | From—       | To— |                   |
| <u>9-5/8"</u> | <u>40</u>       | <u>8</u>         | <u>Met'l.</u> | <u>163</u>  | <u>ROSCO</u>            |                     |             |     | <u>Surface</u>    |
| <u>5-1/2"</u> | <u>14</u>       | <u>8</u>         | <u>Met'l.</u> | <u>3112</u> | <u>ROSCO</u>            |                     |             |     | <u>Production</u> |
| <u>1</u>      |                 |                  |               |             |                         |                     |             |     |                   |
| <u>Siphon</u> | <u>1.7</u>      | <u>8</u>         |               | <u>3190</u> | <u>Perforated Joint</u> | <u>3112</u>         | <u>3190</u> |     | <u>Production</u> |

MUDDING AND CEMENTING RECORD

| Size casing   | Where set   | Number sacks of cement | Method used   | Mud gravity | Amount of mud used |
|---------------|-------------|------------------------|---------------|-------------|--------------------|
| <u>9-5/8"</u> | <u>178</u>  | <u>100</u>             | <u>Single</u> |             |                    |
| <u>5-1/2"</u> | <u>3112</u> | <u>200</u>             | <u>Single</u> |             |                    |
|               |             |                        |               |             |                    |
|               |             |                        |               |             |                    |

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 |
|---------------|----------------|----------------|------------|---------------|------------------|-------------------|
| <u>Quarts</u> | <u>Regular</u> | <u>S.F.G.</u>  | <u>200</u> | <u>4-1-52</u> | <u>3112-3199</u> | <u>3199</u>       |
|               |                |                |            |               |                  |                   |
|               |                |                |            |               |                  |                   |

TOOLS USED

Rotary tools were used from 0 feet to 3135 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 3135 feet to 3199 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

April 24, 1952 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 4,550,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1013 psig

EMPLOYEES

Little, Driller Wilton, Driller  
McCoy, Driller Krenum, Driller

FORMATION RECORD

| FROM—       | TO—              | TOTAL FEET  | FORMATION                                                                                                                          |
|-------------|------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------|
| <u>z 0</u>  | <u>605</u>       | <u>605</u>  | <u>Variegated shales with thin sandstone breaks.</u>                                                                               |
| <u>605</u>  | <u>1940</u>      | <u>1335</u> | <u>Thin to gray coarse-grained sandstone interbedded with gray shales.</u>                                                         |
| <u>1940</u> | <u>2000</u>      | <u>60</u>   | <u>Ojo Alamo sandstone. White coarse-grained sand.</u>                                                                             |
| <u>2000</u> | <u>2830</u>      | <u>830</u>  | <u>Top Ojo Alamo 1940.</u>                                                                                                         |
| <u>2830</u> | <u>3112</u>      | <u>282</u>  | <u>Kirtland Formation. Gray shale interbedded with tight gray fine-grained sandstone. Top Kirtland 2000.</u>                       |
| <u>3112</u> | <u>3199 T.D.</u> | <u>87</u>   | <u>Fruitland Formation. Gray carbonaceous shales, scattered scale and gray, tight, fine-grained sandstone. Top Fruitland 2830.</u> |
|             |                  |             | <u>Pictured Cliffs Formation. Gray, fine-grained, tight, varicolored soft sandstone. Top Pictured Cliffs 3112.</u>                 |

