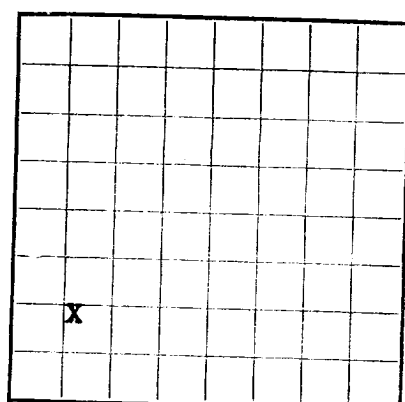
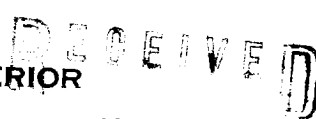




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **080776**  
LEASE OR PERMIT TO PROSPECTUNITED 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 **Florance** Field **Blanco** State **New Mexico**  
Well No. **1-F** Sec. **25** T. **30N** R. **10W** Meridian **NMPM** County **San Juan**  
Location **870** ft. **(N)** of **S** Line and **809** ft. **(E)** of **W** Line of **Section 25** Elevation **6091'**  
(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.

Date **April 16, 1954** Signed **[Signature]** Title **Petroleum Engineer**

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

Commenced drilling **December 22**, 19**53** Finished drilling **February 4**, 19**54**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2668** to **2722 (G)** No. 4, from **4914** to **5003 (G)**  
No. 2, from **4273** to **4443 (G)** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from **4443** to **4914 (G)** 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 | Perforated |     | Purpose    |
|-------------|-----------------|------------------|------------|--------|--------------|---------------------|------------|-----|------------|
|             |                 |                  |            |        |              |                     | From—      | To— |            |
| 9 5/8       | 25.4            | 8                | S.W.       | 20351  | Armco        |                     |            |     | Surface    |
| 7           | 20              | 8                | Spang      | 2787   | Baker        |                     |            |     | Prod. Gas  |
| 7           | 20              | 8                | Spang      | 2007   | Baker        |                     |            |     | Prod. Gas  |
| 2           | 4.7             | 8                | Youngstown | 4997   |              |                     |            |     | Prod. Tbg. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 9 5/8       | 172'      | 150                    | Circulated   |             |                    |
| 7           | 4804'     | 500                    | Single 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 |
|------|-----------------------------|----------------|----------|------|------------|-------------------|
|      | Sand-oil - See Well History |                |          |      |            | 5022'             |

## TOOLS USED

Rotary tools were used from **0** feet to **4804** feet, and from **4804** feet to **5022** feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**February 6**, 19**54** 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 **2,684,000** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. **1051**

## EMPLOYEES

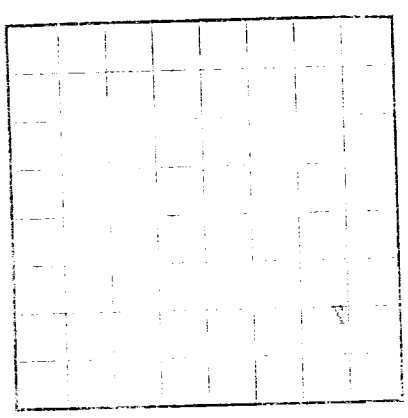
\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                                                      |
|-------|------|------------|--------------------------------------------------------------------------------|
| 0     | 1000 | 1000       | Tan cr-grn ss w/thin sh breaks.                                                |
| 1000  | 1592 | 542        | Variegated sh w/thin ss breaks.                                                |
| 1542  | 2000 | 458        | Tan to gry cr-grn ss interbedded w/gry sh.                                     |
| 2000  | 2059 | 59         | Ojo Alamo ss. White cr-grn s.                                                  |
| 2059  | 2333 | 274        | Kirtland formation. Gry sh interbedded w/tight gry fine-grn ss.                |
| 2333  | 2668 | 335        | Fruitland formation. Gry carb sh, scattered coals and gry, tight, fine-grn ss. |
| 2668  | 2722 | 54         | Pictured Cliffs formation. Gry, fine-grn, tight, varicolored soft ss.          |
| 2722  | 4273 | 1551       | Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.             |
| 4273  | 4443 | 170        | Cliff House ss. Gry, fine-grn, dense sil ss.                                   |
| 4443  | 4914 | 471        | Menebec formation. Gry, fine-grn s, carb sh and coal.                          |
| 4914  | 5003 | 89         | Point Lookout formation. Gry, very fine sil ss w/frequent sh breaks.           |
| 5003  | 5022 | 19         | Mancos formation. Gry carb sh.                                                 |

FORMATION RECORD—Continued

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



# LOG OF OIL OR GAS WELL

Company: El Paso Natural Gas Company  
Location: El Paso, Texas  
Well No.: 1-1  
Section: 1-1  
Line and 1-1  
The information given herein is a complete and correct record of the well and all work done thereon  
as far as can be determined from all available records.  
Signed: [Signature]  
Date: April 10, 1924  
The summary on this page is for the condition of the well at above date.  
Commenced drilling February 20 to 21 finished drilling February 21  
Oil or gas sands or zones

Oil or gas sands or zones  
No. 1 from 20.0 to 20.5 feet  
No. 2 from 20.5 to 21.0 feet  
No. 3 from 21.0 to 21.5 feet  
No. 4 from 21.5 to 22.0 feet  
No. 5 from 22.0 to 22.5 feet  
No. 6 from 22.5 to 23.0 feet  
No. 7 from 23.0 to 23.5 feet  
No. 8 from 23.5 to 24.0 feet  
No. 9 from 24.0 to 24.5 feet  
No. 10 from 24.5 to 25.0 feet

IMPORTANT WATER SANDS  
No. 1 from 20.0 to 20.5 feet  
treatment 1630 MCF. Interval treated 480' to 522'.  
Finished with 1428 gallons oil. Natural gas 16.2 gallons per minute.  
sand, breakdown pressure 1800#. Estimated 1630 MCF. Natural gas 16.2 gallons per minute.  
Treated point look out formation with 8500 gallons diesel oil and 8500#  
February 5, 1924 Total depth 5022'.  
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together  
with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was  
"sidetracked" or left in the well, give the size and location. The well has been dynamited, give date, position, and number  
of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or testing.

## HISTORY OF OIL OR GAS WELL

| DATE              | DESCRIPTION        | DEPTH | REMARKS |
|-------------------|--------------------|-------|---------|
| February 20, 1924 | Commenced drilling | 20.0  |         |
| February 21, 1924 | Finished drilling  | 25.0  |         |
| February 22, 1924 | Drilling           | 25.0  |         |
| February 23, 1924 | Drilling           | 25.0  |         |
| February 24, 1924 | Drilling           | 25.0  |         |
| February 25, 1924 | Drilling           | 25.0  |         |
| February 26, 1924 | Drilling           | 25.0  |         |
| February 27, 1924 | Drilling           | 25.0  |         |
| February 28, 1924 | Drilling           | 25.0  |         |
| February 29, 1924 | Drilling           | 25.0  |         |
| February 30, 1924 | Drilling           | 25.0  |         |

| DATE              | DESCRIPTION        | DEPTH | REMARKS |
|-------------------|--------------------|-------|---------|
| February 20, 1924 | Commenced drilling | 20.0  |         |
| February 21, 1924 | Finished drilling  | 25.0  |         |
| February 22, 1924 | Drilling           | 25.0  |         |
| February 23, 1924 | Drilling           | 25.0  |         |
| February 24, 1924 | Drilling           | 25.0  |         |
| February 25, 1924 | Drilling           | 25.0  |         |
| February 26, 1924 | Drilling           | 25.0  |         |
| February 27, 1924 | Drilling           | 25.0  |         |
| February 28, 1924 | Drilling           | 25.0  |         |
| February 29, 1924 | Drilling           | 25.0  |         |
| February 30, 1924 | Drilling           | 25.0  |         |

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together  
with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was  
"sidetracked" or left in the well, give the size and location. The well has been dynamited, give date, position, and number  
of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or testing.

| FROM | TO    | TOTAL FEET | FORMATION                         |
|------|-------|------------|-----------------------------------|
| 0    | 10.0  | 10.0       | Tan to gray ss with sh breaks.    |
| 10.0 | 11.0  | 11.0       | Unconsolidated sh with sh breaks. |
| 11.0 | 12.0  | 12.0       | Tan to gray ss with sh breaks.    |
| 12.0 | 13.0  | 13.0       | Gray to black ss with sh breaks.  |
| 13.0 | 14.0  | 14.0       | Black to gray ss with sh breaks.  |
| 14.0 | 15.0  | 15.0       | Gray to black ss with sh breaks.  |
| 15.0 | 16.0  | 16.0       | Black to gray ss with sh breaks.  |
| 16.0 | 17.0  | 17.0       | Gray to black ss with sh breaks.  |
| 17.0 | 18.0  | 18.0       | Black to gray ss with sh breaks.  |
| 18.0 | 19.0  | 19.0       | Gray to black ss with sh breaks.  |
| 19.0 | 20.0  | 20.0       | Black to gray ss with sh breaks.  |
| 20.0 | 21.0  | 21.0       | Gray to black ss with sh breaks.  |
| 21.0 | 22.0  | 22.0       | Black to gray ss with sh breaks.  |
| 22.0 | 23.0  | 23.0       | Gray to black ss with sh breaks.  |
| 23.0 | 24.0  | 24.0       | Black to gray ss with sh breaks.  |
| 24.0 | 25.0  | 25.0       | Gray to black ss with sh breaks.  |
| 25.0 | 26.0  | 26.0       | Black to gray ss with sh breaks.  |
| 26.0 | 27.0  | 27.0       | Gray to black ss with sh breaks.  |
| 27.0 | 28.0  | 28.0       | Black to gray ss with sh breaks.  |
| 28.0 | 29.0  | 29.0       | Gray to black ss with sh breaks.  |
| 29.0 | 30.0  | 30.0       | Black to gray ss with sh breaks.  |
| 30.0 | 31.0  | 31.0       | Gray to black ss with sh breaks.  |
| 31.0 | 32.0  | 32.0       | Black to gray ss with sh breaks.  |
| 32.0 | 33.0  | 33.0       | Gray to black ss with sh breaks.  |
| 33.0 | 34.0  | 34.0       | Black to gray ss with sh breaks.  |
| 34.0 | 35.0  | 35.0       | Gray to black ss with sh breaks.  |
| 35.0 | 36.0  | 36.0       | Black to gray ss with sh breaks.  |
| 36.0 | 37.0  | 37.0       | Gray to black ss with sh breaks.  |
| 37.0 | 38.0  | 38.0       | Black to gray ss with sh breaks.  |
| 38.0 | 39.0  | 39.0       | Gray to black ss with sh breaks.  |
| 39.0 | 40.0  | 40.0       | Black to gray ss with sh breaks.  |
| 40.0 | 41.0  | 41.0       | Gray to black ss with sh breaks.  |
| 41.0 | 42.0  | 42.0       | Black to gray ss with sh breaks.  |
| 42.0 | 43.0  | 43.0       | Gray to black ss with sh breaks.  |
| 43.0 | 44.0  | 44.0       | Black to gray ss with sh breaks.  |
| 44.0 | 45.0  | 45.0       | Gray to black ss with sh breaks.  |
| 45.0 | 46.0  | 46.0       | Black to gray ss with sh breaks.  |
| 46.0 | 47.0  | 47.0       | Gray to black ss with sh breaks.  |
| 47.0 | 48.0  | 48.0       | Black to gray ss with sh breaks.  |
| 48.0 | 49.0  | 49.0       | Gray to black ss with sh breaks.  |
| 49.0 | 50.0  | 50.0       | Black to gray ss with sh breaks.  |
| 50.0 | 51.0  | 51.0       | Gray to black ss with sh breaks.  |
| 51.0 | 52.0  | 52.0       | Black to gray ss with sh breaks.  |
| 52.0 | 53.0  | 53.0       | Gray to black ss with sh breaks.  |
| 53.0 | 54.0  | 54.0       | Black to gray ss with sh breaks.  |
| 54.0 | 55.0  | 55.0       | Gray to black ss with sh breaks.  |
| 55.0 | 56.0  | 56.0       | Black to gray ss with sh breaks.  |
| 56.0 | 57.0  | 57.0       | Gray to black ss with sh breaks.  |
| 57.0 | 58.0  | 58.0       | Black to gray ss with sh breaks.  |
| 58.0 | 59.0  | 59.0       | Gray to black ss with sh breaks.  |
| 59.0 | 60.0  | 60.0       | Black to gray ss with sh breaks.  |
| 60.0 | 61.0  | 61.0       | Gray to black ss with sh breaks.  |
| 61.0 | 62.0  | 62.0       | Black to gray ss with sh breaks.  |
| 62.0 | 63.0  | 63.0       | Gray to black ss with sh breaks.  |
| 63.0 | 64.0  | 64.0       | Black to gray ss with sh breaks.  |
| 64.0 | 65.0  | 65.0       | Gray to black ss with sh breaks.  |
| 65.0 | 66.0  | 66.0       | Black to gray ss with sh breaks.  |
| 66.0 | 67.0  | 67.0       | Gray to black ss with sh breaks.  |
| 67.0 | 68.0  | 68.0       | Black to gray ss with sh breaks.  |
| 68.0 | 69.0  | 69.0       | Gray to black ss with sh breaks.  |
| 69.0 | 70.0  | 70.0       | Black to gray ss with sh breaks.  |
| 70.0 | 71.0  | 71.0       | Gray to black ss with sh breaks.  |
| 71.0 | 72.0  | 72.0       | Black to gray ss with sh breaks.  |
| 72.0 | 73.0  | 73.0       | Gray to black ss with sh breaks.  |
| 73.0 | 74.0  | 74.0       | Black to gray ss with sh breaks.  |
| 74.0 | 75.0  | 75.0       | Gray to black ss with sh breaks.  |
| 75.0 | 76.0  | 76.0       | Black to gray ss with sh breaks.  |
| 76.0 | 77.0  | 77.0       | Gray to black ss with sh breaks.  |
| 77.0 | 78.0  | 78.0       | Black to gray ss with sh breaks.  |
| 78.0 | 79.0  | 79.0       | Gray to black ss with sh breaks.  |
| 79.0 | 80.0  | 80.0       | Black to gray ss with sh breaks.  |
| 80.0 | 81.0  | 81.0       | Gray to black ss with sh breaks.  |
| 81.0 | 82.0  | 82.0       | Black to gray ss with sh breaks.  |
| 82.0 | 83.0  | 83.0       | Gray to black ss with sh breaks.  |
| 83.0 | 84.0  | 84.0       | Black to gray ss with sh breaks.  |
| 84.0 | 85.0  | 85.0       | Gray to black ss with sh breaks.  |
| 85.0 | 86.0  | 86.0       | Black to gray ss with sh breaks.  |
| 86.0 | 87.0  | 87.0       | Gray to black ss with sh breaks.  |
| 87.0 | 88.0  | 88.0       | Black to gray ss with sh breaks.  |
| 88.0 | 89.0  | 89.0       | Gray to black ss with sh breaks.  |
| 89.0 | 90.0  | 90.0       | Black to gray ss with sh breaks.  |
| 90.0 | 91.0  | 91.0       | Gray to black ss with sh breaks.  |
| 91.0 | 92.0  | 92.0       | Black to gray ss with sh breaks.  |
| 92.0 | 93.0  | 93.0       | Gray to black ss with sh breaks.  |
| 93.0 | 94.0  | 94.0       | Black to gray ss with sh breaks.  |
| 94.0 | 95.0  | 95.0       | Gray to black ss with sh breaks.  |
| 95.0 | 96.0  | 96.0       | Black to gray ss with sh breaks.  |
| 96.0 | 97.0  | 97.0       | Gray to black ss with sh breaks.  |
| 97.0 | 98.0  | 98.0       | Black to gray ss with sh breaks.  |
| 98.0 | 99.0  | 99.0       | Gray to black ss with sh breaks.  |
| 99.0 | 100.0 | 100.0      | Black to gray ss with sh breaks.  |