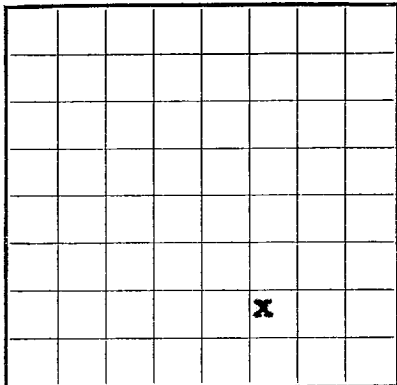


Form 9-330



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **EL PASO NATURAL GAS COMPANY** Address **Box 997, Farmington, New Mexico**  
Lessor or Tract **Jicarilla** Field **S. Blanco PC Ext.** State **New Mexico**  
Well No. **2-G** Sec. **23** T. **26N** R. **5W** Meridian **N. M. P. M.** County **Rio Arriba**  
Location **290** ft. **N** of **S** Line and **1650** ft. **E** of **E** Line of **Sec. 23** Elevation **6566**  
(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 **[Signature]** Title **Petroleum Engineer**  
Date **August 4th, 1958**

The summary on this page is for the condition of the well at above date.  
Commenced drilling **May 18th**, 19 **58** Finished drilling **June 11th**, 19 **58**

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from **3048** to **3103 (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 | Perforated |      | Purpose    |
|-------------|-----------------|------------------|------|--------|---------------|---------------------|------------|------|------------|
|             |                 |                  |      |        |               |                     | From—      | To—  |            |
| 8-5/8"      | 24#             | 8                | J-55 | 103    | -             | -                   | -          | -    | Surface    |
| 5-1/2"      | 15.5#           | 6                | J-55 | 3146   | Texas Pattern | -                   | 3056       | 3084 | Production |
|             |                 |                  |      |        |               |                     | 3093       | 3103 |            |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8"      | 112       | 70                     | Pump & Plug |             |                    |
| 5-1/2"      | 3155      | 100                    | " " "       |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material **None** Size \_\_\_\_\_

SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            | <b>None</b>    |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from **Surface** feet to **3156** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from **to complete** feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

**Ran Tubing** **Potential Test**  
**July 16th**, 19 **58** Put to producing **July 31st**, 19 **58**

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 **4,498** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. **1050**

EMPLOYEES

**Benson-Montin-Greer**, Driller \_\_\_\_\_, Driller  
**Drilling Corp.**, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—   | TO—  | TOTAL FEET | FORMATION                                                                                  |
|---------|------|------------|--------------------------------------------------------------------------------------------|
| Surface | 2985 | 2985       | Surface sand and shale, Ojo Alamo, Kirtland and Fruitland formations                       |
| 2985    | 2990 | 5          | Coal                                                                                       |
| 2990    | 3010 | 20         | Shale                                                                                      |
| 3010    | 3020 | 10         | Coal                                                                                       |
| 3020    | 3044 | 24         | Shale                                                                                      |
| 3044    | 3056 | 2          | Coal                                                                                       |
| 3046    | 3048 | 2          | Shale                                                                                      |
| 3048    | 3103 | 55         | Sand                                                                                       |
| 3103    | 3156 | 53         | Shale                                                                                      |
|         |      |            | TOP OF PICTURED CLIFFS (EL) 3048'                                                          |
|         |      |            | AT THE END OF COMPLETE DRILLER'S LOG, ADD GEOLOGIC FORM. STATE WHETHER FROM EL OR SAMPLES. |

| FROM | TO | TOTAL FEET | FORMATION |
|------|----|------------|-----------|
|------|----|------------|-----------|

-04-

TOTAL FEET

**NOTATION**

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 its size and location. If the well has been dynamited, give date, size, 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 bailing.

## 16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

Moved in to set surface casing. Spudded.

TD 112' RKB. Set 4 joints 103' of 8-5/8" OD 24# J-55 casing at 112' with 70 sacks cement, circulated to surface.

Moved in rotary. Pressured up on casing to 500#. No pressure decrease in 30 minutes.

TD 31561 RKB Set 97 joints 31461 of 5-1/2" OD 15.54  
 1-55 casing at 31561 with 100 sacks cement.  
 Temperature survey showed 100% cement.

No. 1 in cable tools. Pressured up on casing to 1000#. No pressure decrease in one hour.

Cleaned out to 3120'. Perforated 3056-84' and 3093-3103' with 4 shots per foot. Treated with 200 gallons NCA. Sandraced with 22,890 gallons water and 30,000# sand, finished with 3,360 gallons water. Breakdown pressure 3000#, treating pressure 1500-1800#. Dropped 90 rubber balls in two stages during treatment. Average injection rate 60.4 barrels per minute.

From 11 joints 5094 of 1-1/4" RHE tubing landed at 3103' RKB. Shut well in for potential test.