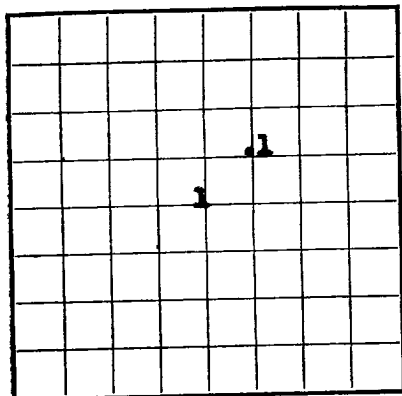




LOCATE WELL CORRECTLY

Navajo Allotted Land  
U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

Contract 14-20-603-4903

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Co. Address P.O. Box 1714, Durango, Colorado  
Lessor or Tract Ma. Gris. Pub. Field Horseshoe Gallup State New Mexico  
Well No. 1 Sec. 1 T. 30N R. 16W Meridian NMP County San Juan  
Location 1980 ft. N of S Line and 2230 ft. W of E Line of Section 1 Elevation 5460  
(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 R. N. WalkerTitle District Production Supt.Date February 24, 1960

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

Commenced drilling 1/19/60, 1960 Finished drilling 1/24, 1960

## OIL OR GAS SANDS OR ZONES

(Denote gas by, G)

No. 1, from 1620 to 1670 No. 4, from 1670 to 1790  
No. 2, from 1670 to 1790 No. 5, from 1790 to 1815  
No. 3, from 1790 to 1815 No. 6, from 1815 to 1850

## IMPORTANT WATER SANDS

No. 1, from 1620 to 1670 No. 3, from 1790 to 1815  
No. 2, from 1670 to 1790 No. 4, from 1815 to 1850

## 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>44</u>       | <u>8 rd</u>      | <u>CPAL</u> | <u>1790</u> | <u>Guide</u> | <u>1620</u>         |            |     |         |
| <u>5 1/2</u> | <u>14</u>       | <u>8 rd</u>      | <u>CPAL</u> | <u>1790</u> | <u>Guide</u> | <u>1670</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>325'</u>  | <u>75 sz</u>           | <u>Two Plug</u> |             |                    |
| <u>5 1/2</u> | <u>1750'</u> | <u>100 sz</u>          | <u>Two Plug</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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 1850' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

The production for the first 24 hours was 15 barrels of fluid of which 60 % was oil; 0 %  
emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 100  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas 41° API  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

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

## FORMATION RECORD

| FROM—        | TO—         | TOTAL FEET  | FORMATION                   |
|--------------|-------------|-------------|-----------------------------|
| <u>0</u>     | <u>13</u>   | <u>13</u>   | <u>KB' to GL</u>            |
| <u>13'</u>   | <u>360</u>  | <u>347</u>  | <u>Sand and Shales</u>      |
| <u>360'</u>  | <u>1620</u> | <u>1260</u> | <u>Black Shale</u>          |
| <u>1620'</u> | <u>1670</u> | <u>50</u>   | <u>Shally Sand and Sand</u> |
| <u>1670</u>  | <u>1790</u> | <u>120</u>  | <u>Shale</u>                |
| <u>1790</u>  | <u>1815</u> | <u>25</u>   | <u>Shale and Tight Sand</u> |
| <u>1815</u>  | <u>1850</u> | <u>35</u>   | <u>Shale</u>                |
|              |             |             | <u>Electric Log Top</u>     |
|              |             |             | <u>Mesa Verde Surface</u>   |
|              |             |             | <u>Upper Mancos 360'</u>    |
|              |             |             | <u>Upper Gallup 1350</u>    |
|              |             |             | <u>Gallup Sand 1620</u>     |
|              |             |             | <u>TD 1850'</u>             |