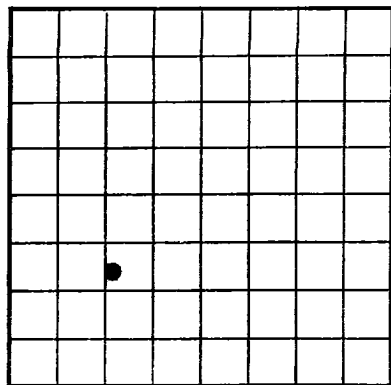


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 077842  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
JAN 1 1953  
FARMINGTON, N. M.



LOCATE WELL CORRECTLY

## LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address Burt Bldg., Dallas, Texas  
Lessor or Tract Lease Field Blanco Ext. State New Mexico  
Well No. 1 Sec. 15 T. 29N R. 7W Meridian N.M.P.M. County Rio Arriba  
Location 1650 ft. of N. of S. Line and 1650 ft. of E. of W. Line of Sec. 15 Elevation 6263  
(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 Van Thompson  
Title Manager Exploration Dept.

Date January 8, 1953

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

Commenced drilling November 10, 1952, 19 Finished drilling December 22, 1952  
Well Completed December 24, 1952

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4800 G to 5400' 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    |
|-------------|-----------------|------------------|------|----------|--------------|---------------------|------------|------------|
| 10-3/4      | 40.5#           |                  | J-55 | 229'     |              |                     |            | Surface    |
| 8           | 24#             |                  | J-40 | 94.95'   |              |                     |            | Production |
| 5 1/2       | 12#             |                  | J-55 | 2428.92' |              |                     |            | "          |
| 5           | 15.5#           |                  | J-55 | 1152.27' |              |                     |            | "          |
| 5 1/2       | 14#             |                  | J-55 | 1152'    |              |                     |            | "          |
| 2-3/8       | 4.7#            | Tubing           | J-55 | 5235'    |              |                     |            | "          |

### MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4      | 229'      | 125                    | Halliburton |             |                    |
| 5 1/2       | 4790'     | 225                    | "           |             |                    |

### 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 |
|------|------------|-----------------|----------|----------|------------|-------------------|
|      |            | Nitro glycerine | 1532 Q   | 12/23/52 | 4850-5498  | to TD of 5498     |

### TOOLS USED

Rotary tools were used from 0 feet to 4790 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 4790 feet to 5498 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

### DATES

December 24, 1952, 19 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 2410 MCF/6 hr at test gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1077# Shut in 12 days

### EMPLOYEES

Fleeger-Rillery Drilling Co., Driller Rotary Contractor, Driller  
Wall, Inc. Cable Tool Contractor, Driller

### FORMATION RECORD

| FROM—           | TO—  | TOTAL FEET | FORMATION            |
|-----------------|------|------------|----------------------|
| 0               | 265  | 265        | Surface sand         |
| 265             | 2814 | 1549       | Sand and shale       |
| 2814            | 2835 | 21         | Sand                 |
| 2835            | 2970 | 135        | Sand and shale       |
| 2970            | 3266 | 296        | Shale                |
| 3266            | 3310 | 44         | Sand and shale       |
| 3310            | 3460 | 140        | Sand and shale       |
| 3460            | 3580 | 120        | Shale                |
| 3580            | 4235 | 555        | Sand and shale       |
| 4235            | 4300 | 65         | Shale                |
| 4300            | 4520 | 220        | Sand and shale       |
| 4520            | 4620 | 100        | Coal and shale       |
| 4620            | 4669 | 49         | Sand and shale       |
| 4669            | 4715 | 46         | Shale                |
| 4715            | 4790 | 75         | Sand and shale       |
| 4790            | 4923 | 133        | Sand                 |
| 4923            | 4935 | 12         | Coal                 |
| 4935            | 5125 | 190        | Sandy shale          |
| 5125            | 5315 | 190        | Coal and sandy shale |
| 5315            | 5498 | 183        | Sandy shale          |
| Geological Tops |      |            |                      |
| Pictured Cliffs |      |            | 3075                 |
| Cliff House     |      |            | 4900 - Pay           |
| Point Lookout   |      |            | 5233 - Pay           |

