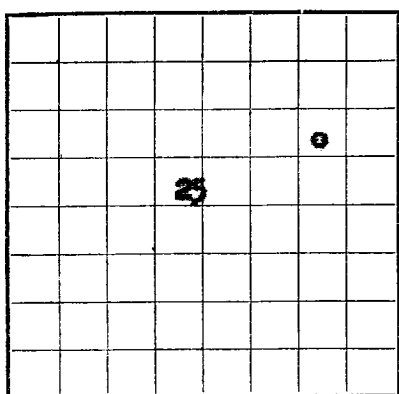


U. S. LAND OFFICE **Hearilla Apache**  
 TRIBE OF INDIANS  
 SERIAL NUMBER **Contract #153**  
 LEASE OR PERMIT TO PROSPECT



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company Southern Union Gas Company Address 1001 Bart Building, Dallas, Texas  
 Lessor or Tract Marilla Field St. Blanco P. C. State New Mexico  
 Well No. 6-J Sec. 25 T. 26N R. 2W Meridian N.M.P.M. County Rio Arriba  
 Location 1250 ft. EX S. of 4 Line and 795 ft. EX W. of 8 Line of Section 25 Elevation 6635 ft.  
 (Describe floor relative to well top)

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 J. J. White

Date July 8, 1959 P. J. Cote, Manager  
Title Drilling and Production

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

Commenced drilling May 30, 1959 Finished drilling June 8, 1959

## OIL OR GAS SANDS OR ZONES

(Denote  $g$  as by  $\mathfrak{G}$ )

No. 1, from 3122 to 3200 (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. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 9-5/8       | 187-21 IB | 120                    | Halliburton |             |                    |
| 5-1/2       | 386-5 IB  | 150                    | Halliburton |             |                    |
| 2"          | 360"      |                        |             |             |                    |

## 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 |
|-----------------|------------|---------------------------------------------------------------------------|------------|------|------------|-------------------|
| Port. 322-3200' |            | Praxair w/57,120 gals. water, 100,000# sand and dropped 100 rubber balls. | IR - 41 NW |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 380 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

----- **June 10, 1959** -----, 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 2,712 galen of oil 1 1/4" galen gas galen per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 10,000 CAOP 3,792 NCYFD

## EMPLOYEES

|                           |           |              |           |
|---------------------------|-----------|--------------|-----------|
| Flanagan Drilling Company | , Driller | R. Reinhardt | , Driller |
| R. L. Lynch               | , Driller | R. L. Burch  | , Driller |

## FORMATION RECORD

| FROM— | TO—     | TOTAL FEET | FORMATION                      |
|-------|---------|------------|--------------------------------|
| -0-   | 192     | 192        | Sand - Rock                    |
| 192   | 594     | 402        | Shale and lime                 |
| 594   | 961     | 367        | Sand and shale                 |
| 961   | 1345    | 384        | Shale and lime                 |
| 1345  | 1602    | 257        | Sand and shale                 |
| 1602  | 2008    | 406        | Shale and lime stks.           |
| 2008  | 2765    | 757        | Sand and shale                 |
| 2765  | 2859    | 94         | Sandy lime                     |
| 2859  | 3006    | 147        | Lime and shale                 |
| 3006  | 3280 TD | 274        | Sand and shale                 |
|       |         |            | TOPS:<br>Pictured Cliffs 3122' |

TOPS:  
Pictured CLIFF: 7122'

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Company name and address  
Location of well  
Date of completion  
The information in this log is a summary of the work done on the well and is not intended to be a complete record of the work done on the well.

1. ON GAS SANDS OR NONET

1.1. Description of the well  
1.2. Description of the formation  
1.3. Description of the logs

2. ON WATER SANDS

2.1. Description of the well  
2.2. Description of the formation  
2.3. Description of the logs

3. ON OTHER SANDS

3.1. Description of the well  
3.2. Description of the formation  
3.3. Description of the logs

4. ON OTHER FORMATIONS

4.1. Description of the well  
4.2. Description of the formation  
4.3. Description of the logs

5. ON OTHER FORMATIONS

5.1. Description of the well  
5.2. Description of the formation  
5.3. Description of the logs

6. ON OTHER FORMATIONS

6.1. Description of the well  
6.2. Description of the formation  
6.3. Description of the logs

7. ON OTHER FORMATIONS

7.1. Description of the well  
7.2. Description of the formation  
7.3. Description of the logs

8. ON OTHER FORMATIONS

8.1. Description of the well  
8.2. Description of the formation  
8.3. Description of the logs

9. ON OTHER FORMATIONS

9.1. Description of the well  
9.2. Description of the formation  
9.3. Description of the logs

10. ON OTHER FORMATIONS

10.1. Description of the well  
10.2. Description of the formation  
10.3. Description of the logs

11. ON OTHER FORMATIONS

11.1. Description of the well  
11.2. Description of the formation  
11.3. Description of the logs

12. ON OTHER FORMATIONS

12.1. Description of the well  
12.2. Description of the formation  
12.3. Description of the logs

13. ON OTHER FORMATIONS

13.1. Description of the well  
13.2. Description of the formation  
13.3. Description of the logs

14. ON OTHER FORMATIONS

14.1. Description of the well  
14.2. Description of the formation  
14.3. Description of the logs

15. ON OTHER FORMATIONS

15.1. Description of the well  
15.2. Description of the formation  
15.3. Description of the logs