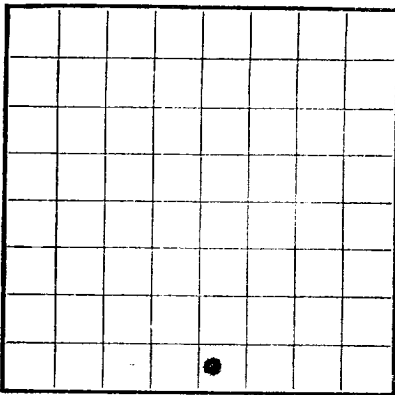
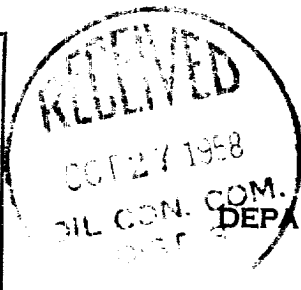




LOCATE WELL CORRECTLY

U. S. LAND OFFICE  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT  
**014-23-604-1951**  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

OCT 23 1958

## LOG OF OIL OR GAS WELL

U. S. GEOLOGICAL SURVEY  
WASHINGTON, NEW MEXICO2000 East 1 Bank of Tulsa  
Tulsa 3, OklahomaCompany **PETRO-ATLAS, INC.** Address  
Lessor or Tract **UTE-NAVAJO** Field **HORNED LOP** State **NEW MEXICO**  
Well No. **1** Sec. **33** T. **31N** R. **14W** Meridian **10N14W** County **SAN JUAN**  
Location **230** ft. **N.** of **5** Line and **2310** ft. **W.** of **2** Line of **Section 33** Elevation **5247'**  
(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 **W. E. GOWE** Title **ENGINEER**  
Date **9-15-58**

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

Commenced drilling **August 21,** 19 **58** Finished drilling **August 27,** 19 **58**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1135** to **1170** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **1257** to **1270** 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—         |                   |
| <b>8-5/8"</b> | <b>22.7</b>     | <b>3 1/2</b>     | <b>SLIP JOINT</b> | <b>20'</b>   | <b>None</b>  | <b>-</b>            | <b>-</b>    | <b>-</b>    | <b>Surface</b>    |
| <b>3-1/2"</b> | <b>14</b>       | <b>2 1/2</b>     | <b>SLIP JOINT</b> | <b>1327'</b> | <b>Float</b> | <b>-</b>            | <b>1135</b> | <b>1142</b> | <b>Production</b> |
|               |                 |                  |                   |              |              |                     | <b>1200</b> | <b>1200</b> |                   |
|               |                 |                  |                   |              |              |                     | <b>1250</b> | <b>1250</b> |                   |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement                               | Method used | Mud gravity      | Amount of mud used       |
|---------------|--------------|------------------------------------------------------|-------------|------------------|--------------------------|
| <b>8-5/8"</b> | <b>20'</b>   | <b>50</b> <b>oz</b> <b>W/E</b> <b>Ca</b> <b>Oil</b>  | <b>Pump</b> | <b>-</b>         | <b>Cannot Circulated</b> |
| <b>3-1/2"</b> | <b>1346'</b> | <b>100</b> <b>oz</b> <b>W/E</b> <b>Ca</b> <b>Oil</b> | <b>Pump</b> | <b>8.46/gal.</b> |                          |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## FRACTURING

## RECORD

| Size | Shell used | Material used       | Quantity               | Date           | Remarks      | Depth cleaned out |
|------|------------|---------------------|------------------------|----------------|--------------|-------------------|
|      |            | <b>Crude Oil</b>    | <b>700</b> <b>lbs.</b> | <b>8/21/58</b> | <b>Perf.</b> |                   |
|      |            | <b>20-40 Sand</b>   | <b>40,000</b>          | <b>8/21/58</b> |              |                   |
|      |            | <b>Rubber Balls</b> | <b>100</b>             | <b>8/21/58</b> |              |                   |

## TOOLS USED

Rotary tools were used from **Surface** feet to **1350** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19 \_\_\_\_\_ Put to producing **September 7,** 19 **58**The production for the first 24 hours was **120** barrels of fluid of which **100** % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

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

## FORMATION RECORD

| FROM—                 | TO—         | TOTAL FEET  | FORMATION                               |
|-----------------------|-------------|-------------|-----------------------------------------|
| <b>Surface</b>        | <b>1350</b> | <b>1350</b> | <b>Shale and Sand</b>                   |
| <b>Formation Logs</b> |             |             |                                         |
|                       |             |             | <b>Gallup</b> <b>1100'</b>              |
|                       |             |             | <b>Gallup (Upper Sand)</b> <b>1135'</b> |
|                       |             |             | <b>Gallup (Lower Sand)</b> <b>1260'</b> |
|                       |             |             | <b>Sansate</b> <b>1282'</b>             |
|                       |             |             | <b>Middle Manos</b> <b>1285'</b>        |

RECEIVED  
GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

8:41 8 9 00

LOG OF OIL OR GAS WELL

LOCALITY WEST COAST OF AFRICA

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.

Location \_\_\_\_\_ of \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ Meridian \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

Company \_\_\_\_\_ Address \_\_\_\_\_

\_\_\_\_\_

[illegible]

## HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]