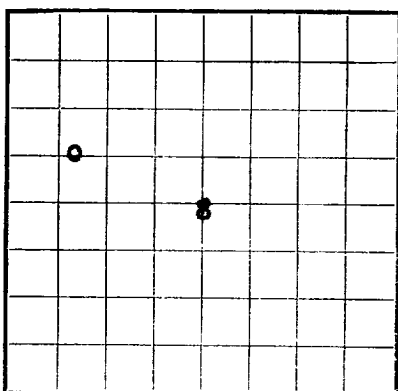




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **SANTA FE**  
SERIAL NUMBER **SF 078384**  
LEASE OR PERMIT TO PROSPECT **N/2**  
**SEC. 8, T26N, R8W, N.M.P.M. SAN**  
**JUAN COUNTY, NEW MEX.**  
UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **SOUTHERN UNION PRODUCTION CO.** Address **P.O. Box 808, FARMINGTON, NEW MEXICO**Lessor or Tract **NEWSON** Field **Basin Dakota** State **NEW MEXICO**Well No. **7-8** Sec. **8** T. **26N** R. **8W** Meridian **N.M.P.M.** County **SAN JUAN**Location **1780** ft. **N** of **N** Line and **790** ft. **E** of **N** Line of **SECTION 8** Elevation **6283**  
(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 **D. G. MACY** **D. G. MACY**Date **JANUARY 16, 1964** Title **PETROLEUM ENGINEER**

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

Commenced drilling **OCTOBER 10**, 19**63** Finished drilling **OCTOBER 28**, 19**63**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6406** to **6500 (g)** No. 4, from \_\_\_\_\_ to \_\_\_\_\_No. 2, from **6554** to **6604 (g)** No. 5, from \_\_\_\_\_ to \_\_\_\_\_No. 3, from **6630** to **6670 (g)** 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>24.0</b>     | <b>8</b>         | <b>UCP</b> | <b>125</b> | <b>None</b>  | <b>None</b>         | <b>6406</b> | <b>6500</b> | <b>Surface</b>    |
| <b>4 1/2</b> | <b>16.0</b>     | <b>10</b>        | <b>UCP</b> | <b>670</b> | <b>None</b>  | <b>None</b>         | <b>6500</b> | <b>6604</b> | <b>Production</b> |
| <b>1 1/2</b> | <b>6.90</b>     | <b>10</b>        | <b>UCP</b> | <b>670</b> | <b>None</b>  | <b>None</b>         | <b>6604</b> | <b>6670</b> | <b>Production</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>232</b>  | <b>225</b> <b>ex</b>       | <b>Pump</b>      |             |                    |
| <b>4 1/2</b> | <b>6700</b> | <b>1200</b> <b>cu. ft.</b> | <b>Pump Plug</b> |             |                    |
| <b>1 1/2</b> | <b>6602</b> |                            |                  |             |                    |

## 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 |
|------------------------|-----------------------|----------------|--------------|----------------|-------------|-------------------|
| <b>SAND WATER FREE</b> | <b>W/95,400 GALS.</b> | <b>1% O.G.</b> | <b>WATER</b> | <b>76,000#</b> | <b>SAND</b> |                   |

## TOOLS USED

Rotary tools were used from **SURFACE** feet to **6700** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was **2770** barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_If gas well, cu. ft. per 24 hours **0** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. **CAG-3195 SITP 2132 PSI SICP 2110 PSI**

## EMPLOYEES

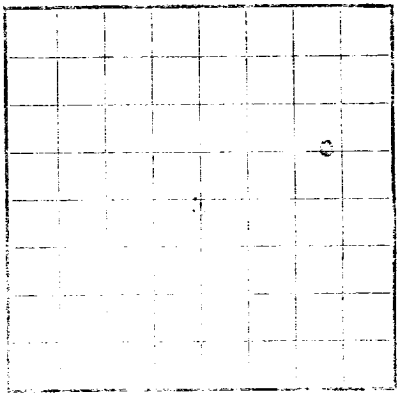
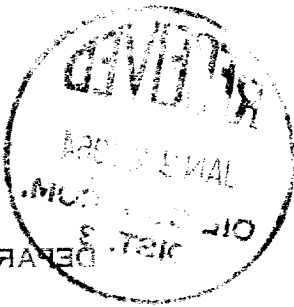
**E. MANN** \_\_\_\_\_, Driller **C. B. CAGLE** \_\_\_\_\_, Driller**IRA ARMSTRONG** \_\_\_\_\_, Driller **S. H. ROBERSON** \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—          | TO—         | TOTAL FEET  | FORMATION              |
|----------------|-------------|-------------|------------------------|
| <b>SURFACE</b> | <b>1375</b> | <b>1375</b> | <b>WASATCH</b>         |
| <b>1375</b>    | <b>1825</b> | <b>450</b>  | <b>KIRTLAND</b>        |
| <b>1825</b>    | <b>2035</b> | <b>210</b>  | <b>FRUITLAND</b>       |
| <b>2035</b>    | <b>2150</b> | <b>115</b>  | <b>PICTURED CLIFFS</b> |
| <b>2150</b>    | <b>3600</b> | <b>1450</b> | <b>LEWIS</b>           |
| <b>3600</b>    | <b>4660</b> | <b>1060</b> | <b>MESA VERDE</b>      |
| <b>4660</b>    | <b>6405</b> | <b>1745</b> | <b>MANCOS</b>          |
| <b>6405</b>    | <b>6700</b> | <b>295</b>  | <b>DAKOTA</b>          |

LOCATION RECORD—CONTINUED

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
JAN 10 1924  
OIL & GAS  
LOG OF OIL OR GAS WELL



LOG OF OIL OR GAS WELL

Company: SOUTHERN UNION PRODUCTIONS CO., Address: P.O. Box 208, Farmington, N.M.  
Location: Section 8, T. 20N, R. 30E, N.M. Co. 100  
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: F. G. WADY  
Title: PETROLEUM ENGINEER  
Date: January 12, 1924  
The summary on this page is for the condition of the well at above date.  
Commenced drilling: October 10, 1923  
Finished drilling: October 28, 1923

OIL OR GAS SANDS OR ZONES

(Denote by G)

No. 1, from 0 to 100 ft. (G)  
No. 2, from 100 to 200 ft. (G)  
No. 3, from 200 to 300 ft. (G)  
No. 4, from 300 to 400 ft. (G)  
No. 5, from 400 to 500 ft. (G)  
No. 6, from 500 to 600 ft. (G)  
No. 7, from 600 to 700 ft. (G)  
No. 8, from 700 to 800 ft. (G)  
No. 9, from 800 to 900 ft. (G)  
No. 10, from 900 to 1000 ft. (G)

IMPORTANT WATER SANDS

No. 1, from 0 to 100 ft. (G)  
No. 2, from 100 to 200 ft. (G)  
No. 3, from 200 to 300 ft. (G)  
No. 4, from 300 to 400 ft. (G)  
No. 5, from 400 to 500 ft. (G)  
No. 6, from 500 to 600 ft. (G)  
No. 7, from 600 to 700 ft. (G)  
No. 8, from 700 to 800 ft. (G)  
No. 9, from 800 to 900 ft. (G)  
No. 10, from 900 to 1000 ft. (G)

CASING RECORD

History of the well, including a complete record of the dates of running, together with the reasons for the same. If changes were made in the casing, state date, size, and quantity, and state the dates of running, together with the reasons for the same. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. If the well has been dismantled, give date, size, position, and number of sections. If the well has been abandoned, give date, size, position, and number of sections. If the well has been abandoned, give date, size, position, and number of sections.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

| Date   | Amount of mud used | Method used  | Mud gravity  |
|--------|--------------------|--------------|--------------|
| 1-1-23 | 1500 cu. ft.       | 1000 lb. bag | 1000 lb. bag |
| 1-1-23 | 1500 cu. ft.       | 1000 lb. bag | 1000 lb. bag |
| 1-1-23 | 1500 cu. ft.       | 1000 lb. bag | 1000 lb. bag |

PLUGS AND ADAPTERS

Heavy plug - Material: 1000 lb. bag  
Adapters - Material: 1000 lb. bag

SHOOTING RECORD

| Date   | Explosive used | Quantity     | Depth shot   | Depth cleared out |
|--------|----------------|--------------|--------------|-------------------|
| 1-1-23 | 1000 lb. bag   | 1000 lb. bag | 1000 lb. bag | 1000 lb. bag      |

TOOLS USED

Rotary tools were used from 0 to 1000 feet and from 1000 to 2000 feet.  
Cable tools were used from 0 to 1000 feet and from 1000 to 2000 feet.

DATES

Put to producing: 1-1-23  
The production for the first 24 hours was 1000 barrels of fluid of which 50% was oil.

EMPLOYEES

Driller: F. G. WADY  
Driller: F. G. WADY

FORMATION RECORD

| FROM | TO  | TOTAL FEET | FORMATION       |
|------|-----|------------|-----------------|
| 0    | 100 | 100        | DAKOTA          |
| 100  | 200 | 200        | MANCOS          |
| 200  | 300 | 300        | MESSA VERDE     |
| 300  | 400 | 400        | LEWIS           |
| 400  | 500 | 500        | PICTURED CLIFFS |
| 500  | 600 | 600        | FRUITLAND       |
| 600  | 700 | 700        | KIRKLAND        |
| 700  | 800 | 800        | WABATON         |