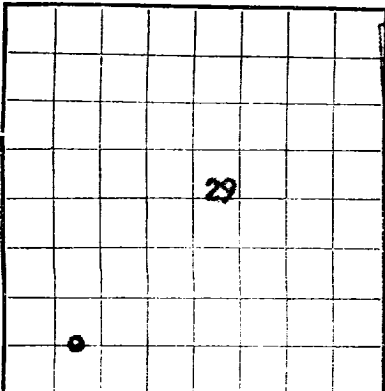
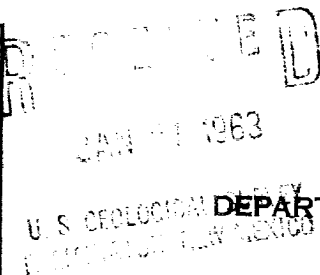




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER SF 678214  
LEASE OR PERMIT TO PROSPECT Sw/h Sw/h  
Sec. 29, T-31N, R-12W, N.M.P.M.  
San Juan Cty., N.M.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Southern Union Production Co. Address P. O. Box 308 - Farmington, N.M.  
Lessor or Tract Taliaferro Field Basin Dakota State New Mexico  
Well No. 1 Sec. 29 T. 31N R. 12W Meridian N.M.P.M. County San Juan  
Location 790 ft. [N.] of S. Line and 790 ft. [E.] of W. Line of Sec. 29 Elevation 2267 (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. H. McCoy [Signature]Date January 17, 1963 Title Petroleum Engineer

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

Commenced drilling 9-21, 19 62 Finished drilling 10-13, 19 62

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6744 to 6750 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 6302 to 6324 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— |                   |
| <u>10-3/4"</u> | <u>267</u>      | <u>4</u>         | <u>API</u> | <u>150</u> | <u>Plug</u>       | <u>6744</u>         |            |     | <u>Plug</u>       |
| <u>8-1/2"</u>  | <u>2023</u>     | <u>4</u>         | <u>API</u> | <u>150</u> | <u>Circulated</u> | <u>6750</u>         |            |     | <u>Production</u> |
| <u>6-1/2"</u>  | <u>2023</u>     | <u>4</u>         | <u>API</u> | <u>150</u> | <u>Plug</u>       | <u>6302</u>         |            |     | <u>Plug</u>       |
| <u>4-1/2"</u>  | <u>2023</u>     | <u>4</u>         | <u>API</u> | <u>150</u> | <u>Plug</u>       | <u>6324</u>         |            |     | <u>Plug</u>       |

## MUDDING AND CEMENTING RECORD

| Size casing    | Where set   | Number sacks of cement                                                             | Method used       | Mud gravity      | Amount of mud used                 |
|----------------|-------------|------------------------------------------------------------------------------------|-------------------|------------------|------------------------------------|
| <u>10-3/4"</u> | <u>267</u>  | <u>150</u>                                                                         | <u>Plug</u>       |                  |                                    |
| <u>8-1/2"</u>  | <u>2023</u> | <u>150</u>                                                                         | <u>Circulated</u> | <u>1st stage</u> | <u>cement w/ 250 cu. ft. 50-50</u> |
|                |             | <u>pozzolx w/ 10 gal. 12-1/2% gilsonite/sk, 10% salt/sk. Plug down 145 ft.</u>     |                   |                  |                                    |
|                |             | <u>10-13-62, 2nd stage. Open 2.1. tool at 6325. Cement w/ 380 cu. ft. 50-50</u>    |                   |                  |                                    |
|                |             | <u>pozzolx w/ 10 gal. 12% gilsonite, 10% salt/sk. Plug down 3:30 P.M. 10-13-62</u> |                   |                  |                                    |
|                |             | <u>12-1/2% gilsonite, 10% salt/sk. Plug down 3:30 P.M. 10-13-62</u>                |                   |                  |                                    |
|                |             | <u>Heaving plug—Material</u>                                                       |                   |                  |                                    |
|                |             | <u>Adapters—Material</u>                                                           |                   |                  |                                    |

## SHOOTING RECORD

| Size                                                                            | Shell used         | Explosive used    | Quantity                         | Date | Depth shot | Depth cleaned out |
|---------------------------------------------------------------------------------|--------------------|-------------------|----------------------------------|------|------------|-------------------|
| <u>Perf. 6744 to 6750 and 6302-6324</u>                                         | <u>2 shots/ft.</u> | <u>Sand-water</u> | <u>Free w/ 42,000 gal. 50-50</u> |      |            |                   |
| <u>56,670 gal. water. Containing 2-1/2% Na-2/1000 gal and 400 cu. ft. 50-50</u> |                    |                   |                                  |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 7020 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

November 15, 19 62 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 3,115 Gallons gasoline per 1,000 cu. ft. of gasRock pressure, lbs. per sq. in. SAOP = 4,267 STP = 1915 psiEMPLOYEES STP 1955 psiIra Armstrong, Driller San Drilling Co., Driller  
S. H. Zehersoll, Driller S. H. Zehersoll, Driller

## FORMATION RECORD

| FROM—        | TO—         | TOTAL FEET  | FORMATION              |
|--------------|-------------|-------------|------------------------|
| <u>Surf.</u> | <u>635</u>  | <u>635</u>  | <u>Basalt</u>          |
| <u>635</u>   | <u>1935</u> | <u>1300</u> | <u>Kirtland</u>        |
| <u>1935</u>  | <u>2275</u> | <u>340</u>  | <u>Fruitland</u>       |
| <u>2275</u>  | <u>2400</u> | <u>125</u>  | <u>Pictured Cliffs</u> |
| <u>2400</u>  | <u>3838</u> | <u>1438</u> | <u>Lewis</u>           |
| <u>3838</u>  | <u>4900</u> | <u>1062</u> | <u>Casa Verde</u>      |
| <u>4900</u>  | <u>6680</u> | <u>1780</u> | <u>San Juan</u>        |
| <u>6680</u>  | <u>6980</u> | <u>300</u>  | <u>Dakota</u>          |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming squares. There are two small dark spots or marks on the page: one near the center-left and another near the bottom-right corner.

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

## CASING RECORD

## HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-58094-2

RECORDING AND CEMENTING RECORD

PLUGS AND ADAPTERS

SHOOTING RANGE

TOOLS USED

DATE

EMPLOYEES

FORMATION RECORD

**FORMATION**

TOTAL FEET

—OL

**FROM—**

**FORMATION RECORD—Continued**