

**Section 15**



Approval expires 12-31-55.

**Santa Fe**

U. S. LAND OFFICE **078430**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company Southern Union Gas Company Address 1001 Burt Building, Dallas 1, Texas  
 Lessor or Tract Newcom Field Ballard Pictured Cliffs State New Mexico  
 Well No. 1-A Sec. 15 T. 26-N R. 8-W Meridian N.M.P.M. County San Juan  
 Location 820 ft. N. of 8 Line and 1120 ft. E. of E Line of Section 15 Elevation 6942  
 (EX) (W.) (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.

Date **May 17, 1955** Signed   
Title **Manager, Exploration dept.**

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

Commenced drilling January 13, 1955 Finished drilling March 29, 1955

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

(Denote gas by G)

|                                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| No. 1, from <u>2780</u> to <u>2830 (G)</u><br>No. 2, from _____ to _____<br>No. 3, from _____ to _____ | No. 4, from _____ to _____<br>No. 5, from _____ to _____<br>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

[illegible]

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 9 5/8"      | 100' G1   | 100 sacks              | Halliburton |             |                    |
| 5 1/2"      | 2767' RKB | 150 sacks              | Halliburton |             |                    |
| 1"          | 2796'     |                        |             |             |                    |

## 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 |
|--------------------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| Sand fraced from 2767' to 2830' with 9,500 gallons oil and 11,000# sand. |            |                |          |      |            |                   |
|                                                                          |            |                |          |      |            |                   |
|                                                                          |            |                |          |      |            |                   |
|                                                                          |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from -0- feet to 2830 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

April 2, 1955 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 2,441.48 ~~100~~ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 649# / 25 days

## EMPLOYEES

| EMPLOYEES                 |         | FORMATION RECORD    |         |
|---------------------------|---------|---------------------|---------|
| McKinney Drilling Company | Driller | Benson Montin-Greer | Driller |
| Bill Nail                 | Driller | A. Y. Old           | Driller |
| Burt Nipper               |         | J. R. Greene        |         |

# FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION           |
|-------|------|------------|---------------------|
| -0-   | 25   | 25         | Sand & Shale        |
| 25    | 333  | 308        | Shale               |
| 333   | 1170 | 837        | Sand & Shale        |
| 1170  | 1412 | 242        | Shale, Sand & Gumbo |
| 1412  | 1884 | 472        | Shale and Sand      |
| 1884  | 2120 | 236        | Shale and Gumbo     |
| 2120  | 2830 | 718        | Shale & Sand        |

TOPS: Pictured Cliffs 2710  
Lewis 2830

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GEOLOGICAL SURVEY

GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Date \_\_\_\_\_  
 Title \_\_\_\_\_  
 The information given beneath 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 \_\_\_\_\_  
 Location \_\_\_\_\_ ft. of \_\_\_\_\_ Line and \_\_\_\_\_ ft. of \_\_\_\_\_ Meridian  
 Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  
 Person or Trust \_\_\_\_\_  
 Address \_\_\_\_\_  
 State \_\_\_\_\_  
 County \_\_\_\_\_  
 Elevation \_\_\_\_\_  
 (Feet below sea level)

(Commenced drilling \_\_\_\_\_, 19\_\_\_\_. Finished drilling \_\_\_\_\_, 19\_\_\_\_.

**OIL OR GAS SANDS OR ZONES**

(G)  $\frac{1}{2} \log 2$

|             |    |             |    |
|-------------|----|-------------|----|
| No. 1, from | to | No. 4, from | to |
| No. 2, from | to | No. 5, from | to |
| No. 3, from | to | No. 6, from | to |

## IMPORTANT WATER SANDS

..... of ..... from 8 o'clock ..... to ..... from 1 o'clock .....  
..... of ..... from 4 o'clock ..... to ..... from 2 o'clock .....

## CASING RECORD

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

## HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

**MUDDING AND CEMENTING RECORD**

| born born to transA | Mod gravity | Method used | Number of cases of cancer | Ward of   | Year      |
|---------------------|-------------|-------------|---------------------------|-----------|-----------|
|                     |             | 1941-1942   | 1941-1942                 | 1941-1942 | 1941-1942 |
|                     |             | 1943-1944   | 1943-1944                 | 1943-1944 | 1943-1944 |
|                     |             |             |                           |           |           |
|                     |             |             |                           |           |           |

PLUGS AND ADAPTERS

|          |        |           |
|----------|--------|-----------|
| Material | Weight | Depth set |
| Material | Weight | Depth set |

## SHOOTING RECORD

| Date       | Depth used | Explosive used | Quantity | Date       | Depth shot | Depth cleaned out |
|------------|------------|----------------|----------|------------|------------|-------------------|
| 1960-07-18 | 100 ft     | ANFO           | 100 lbs  | 1960-07-18 | 100 ft     | 100 ft            |
| 1960-07-19 | 100 ft     | ANFO           | 100 lbs  | 1960-07-19 | 100 ft     | 100 ft            |
| 1960-07-20 | 100 ft     | ANFO           | 100 lbs  | 1960-07-20 | 100 ft     | 100 ft            |
| 1960-07-21 | 100 ft     | ANFO           | 100 lbs  | 1960-07-21 | 100 ft     | 100 ft            |
| 1960-07-22 | 100 ft     | ANFO           | 100 lbs  | 1960-07-22 | 100 ft     | 100 ft            |
| 1960-07-23 | 100 ft     | ANFO           | 100 lbs  | 1960-07-23 | 100 ft     | 100 ft            |
| 1960-07-24 | 100 ft     | ANFO           | 100 lbs  | 1960-07-24 | 100 ft     | 100 ft            |
| 1960-07-25 | 100 ft     | ANFO           | 100 lbs  | 1960-07-25 | 100 ft     | 100 ft            |
| 1960-07-26 | 100 ft     | ANFO           | 100 lbs  | 1960-07-26 | 100 ft     | 100 ft            |
| 1960-07-27 | 100 ft     | ANFO           | 100 lbs  | 1960-07-27 | 100 ft     | 100 ft            |
| 1960-07-28 | 100 ft     | ANFO           | 100 lbs  | 1960-07-28 | 100 ft     | 100 ft            |
| 1960-07-29 | 100 ft     | ANFO           | 100 lbs  | 1960-07-29 | 100 ft     | 100 ft            |
| 1960-07-30 | 100 ft     | ANFO           | 100 lbs  | 1960-07-30 | 100 ft     | 100 ft            |
| 1960-07-31 | 100 ft     | ANFO           | 100 lbs  | 1960-07-31 | 100 ft     | 100 ft            |
| 1960-08-01 | 100 ft     | ANFO           | 100 lbs  | 1960-08-01 | 100 ft     | 100 ft            |
| 1960-08-02 | 100 ft     | ANFO           | 100 lbs  | 1960-08-02 | 100 ft     | 100 ft            |
| 1960-08-03 | 100 ft     | ANFO           | 100 lbs  | 1960-08-03 | 100 ft     | 100 ft            |
| 1960-08-04 | 100 ft     | ANFO           | 100 lbs  | 1960-08-04 | 100 ft     | 100 ft            |
| 1960-08-05 | 100 ft     | ANFO           | 100 lbs  | 1960-08-05 | 100 ft     | 100 ft            |
| 1960-08-06 | 100 ft     | ANFO           | 100 lbs  | 1960-08-06 | 100 ft     | 100 ft            |
| 1960-08-07 | 100 ft     | ANFO           | 100 lbs  | 1960-08-07 | 100 ft     | 100 ft            |
| 1960-08-08 | 100 ft     | ANFO           | 100 lbs  | 1960-08-08 | 100 ft     | 100 ft            |
| 1960-08-09 | 100 ft     | ANFO           | 100 lbs  | 1960-08-09 | 100 ft     | 100 ft            |
| 1960-08-10 | 100 ft     | ANFO           | 100 lbs  | 1960-08-10 | 100 ft     | 100 ft            |
| 1960-08-11 | 100 ft     | ANFO           | 100 lbs  | 1960-08-11 | 100 ft     | 100 ft            |
| 1960-08-12 | 100 ft     | ANFO           | 100 lbs  | 1960-08-12 | 100 ft     | 100 ft            |
| 1960-08-13 | 100 ft     | ANFO           | 100 lbs  | 1960-08-13 | 100 ft     | 100 ft            |
| 1960-08-14 | 100 ft     | ANFO           | 100 lbs  | 1960-08-14 | 100 ft     | 100 ft            |
| 1960-08-15 | 100 ft     | ANFO           | 100 lbs  | 1960-08-15 | 100 ft     | 100 ft            |
| 1960-08-16 | 100 ft     | ANFO           | 100 lbs  | 1960-08-16 | 100 ft     | 100 ft            |
| 1960-08-17 | 100 ft     | ANFO           | 100 lbs  | 1960-08-17 | 100 ft     | 100 ft            |
| 1960-08-18 | 100 ft     | ANFO           | 100 lbs  | 1960-08-18 | 100 ft     | 100 ft            |
| 1960-08-19 | 100 ft     | ANFO           | 100 lbs  | 1960-08-19 | 100 ft     | 100 ft            |
| 1960-08-20 | 100 ft     | ANFO           | 100 lbs  | 1960-08-20 | 100 ft     | 100 ft            |
| 1960-08-21 | 100 ft     | ANFO           | 100 lbs  | 1960-08-21 | 100 ft     | 100 ft            |
| 1960-08-22 | 100 ft     | ANFO           | 100 lbs  | 1960-08-22 | 100 ft     | 100 ft            |
| 1960-08-23 | 100 ft     | ANFO           | 100 lbs  | 1960-08-23 | 100 ft     | 100 ft            |
| 1960-08-24 | 100 ft     | ANFO           | 100 lbs  | 1960-08-24 | 100 ft     | 100 ft            |
| 1960-08-25 | 100 ft     | ANFO           | 100 lbs  | 1960-08-25 | 100 ft     | 100 ft            |
| 1960-08-26 | 100 ft     | ANFO           | 100 lbs  | 1960-08-26 | 100 ft     | 100 ft            |
| 1960-08-27 | 100 ft     | ANFO           | 100 lbs  | 1960-08-27 | 100 ft     | 100 ft            |
| 1960-08-28 | 100 ft     | ANFO           | 100 lbs  | 1960-08-28 | 100 ft     | 100 ft            |
| 1960-08-29 | 100 ft     | ANFO           | 100 lbs  | 1960-08-29 | 100 ft     | 100 ft            |
| 1960-08-30 | 100 ft     | ANFO           | 100 lbs  | 1960-08-30 | 100 ft     | 100 ft            |
| 1960-08-31 | 100 ft     | ANFO           | 100 lbs  | 1960-08-31 | 100 ft     | 100 ft            |
| 1960-09-01 | 100 ft     | ANFO           | 100 lbs  | 1960-09-01 | 100 ft     | 100 ft            |
| 1960-09-02 | 100 ft     | ANFO           | 100 lbs  | 1960-09-02 | 100 ft     | 100 ft            |
| 1960-09-03 | 100 ft     | ANFO           | 100 lbs  | 1960-09-03 | 100 ft     | 100 ft            |
| 1960-09-04 | 100 ft     | ANFO           | 100 lbs  | 1960-09-04 | 100 ft     | 100 ft            |
| 1960-09-05 | 100 ft     | ANFO           | 100 lbs  | 1960-09-05 | 100 ft     | 100 ft            |
| 1960-09-06 | 100 ft     | ANFO           | 100 lbs  | 1960-09-06 | 100 ft     | 100 ft            |

TOOLS USED

|      |         |                |      |      |                |
|------|---------|----------------|------|------|----------------|
| leaf | of leaf | most bare leaf | leaf | leaf | leaf used from |
| leaf | of leaf | most bare leaf | leaf | leaf | leaf used from |

DATE

| The production for the first 24 hours was       |                                                 | The production for the first 24 hours was       |                                                 |
|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| _____ barrels of fluid of which _____ % was oil | _____ barrels of fluid of which _____ % was oil | _____ barrels of fluid of which _____ % was oil | _____ barrels of fluid of which _____ % was oil |
| _____ 10                                        | _____ 10                                        | _____ 10                                        | _____ 10                                        |

It was well on its way 24 hours before it was  
 emulsion; and \_\_\_\_\_ of sediment.

Gravity, 884.

|           |                           |                   |
|-----------|---------------------------|-------------------|
|           | Rock pressure per sq. ft. | 0-100 lb./sq. ft. |
| EMPLOYEES |                           |                   |

EMPLOYEES

|         |       |       |       |
|---------|-------|-------|-------|
| Driller | _____ | _____ | _____ |
| Driller | _____ | _____ | _____ |

FORMATION RECORD

[illegible]