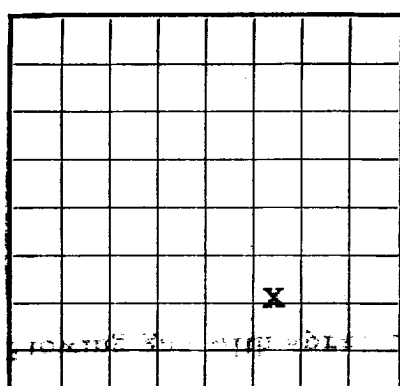


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER NM03747  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company San Juan Gas Corporation Address 300 Shell Bldg., Tulsa, Oklahoma  
Lessor or Tract \_\_\_\_\_ Field \_\_\_\_\_ State New MexicoWell No. 3011 Sec. 30 T. 25N R. 1W Meridian N.M.P.M. County Rio Arriba  
Location 1962 ft. N. of S. Line and 1916 ft. E. of R. Line of Sec. 30 Elevation 7635  
(Derick floor relative to sea level)The information given here with 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 \_\_\_\_\_

Date Dec 7, 1957Title Eng

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

Commenced drilling October 20, 1957 Finished drilling November 4, 1957OIL OR GAS SANDS OR ZONES  
(Denote gas by G)No. 1, from 2724 to 3780 (G) No. 4, from \_\_\_\_\_  
No. 2, from 1962 to 2724 No. 5, from \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 0 to 590 No. 3, from \_\_\_\_\_  
No. 2, from 590 to 1962 No. 4, from \_\_\_\_\_

## CASING RECORD

| Size casing                | Weight per foot | Threads per inch | Make | Amount | Kind of steel | Cut and pulled from | Perforated |    | Purpose    |
|----------------------------|-----------------|------------------|------|--------|---------------|---------------------|------------|----|------------|
|                            |                 |                  |      |        |               |                     | From       | To |            |
| 8-5/8                      | 24              | 8                | CFI  | 76     |               |                     |            |    | Surface    |
| 5-1/2                      | 18              | 8                | CFI  | 384    |               |                     |            |    | Production |
| HISTORY OF OIL OR GAS WELL |                 |                  |      |        |               |                     |            |    |            |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used          | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|----------------------|-------------|--------------------|
| 8-5/8       | 86        | 100                    |                      |             |                    |
| 5-1/2       | 3854      | 150                    | Halliburton - 2 plug |             |                    |

## 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 |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to 3860 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 \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% 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                                                       |
|-------|------|------------|-----------------------------------------------------------------|
| 0     | 1100 | 1100       | Sand and brkn sd and shale                                      |
| 1100  | 1370 | 270        | Shale with broken sand and shale                                |
| 1370  | 1750 | 380        | Sand with shale                                                 |
| 1750  | 1830 | 80         | Shale                                                           |
| 1830  | 2005 | 175        | Sand                                                            |
| 2005  | 2085 | 80         | Shale                                                           |
| 2085  | 2590 | 405        | Sand and broken sand and shale                                  |
| 2590  | 2830 | 240        | Shale and broken sand and shale                                 |
| 2830  | 3370 | 540        | Broken sand shale                                               |
| 3370  | 3460 | 90         | Shale                                                           |
| 3460  | 3612 | 152        | Sand                                                            |
| 3612  | 3724 | 112        | Shale, coal and sand                                            |
| 3724  | 3820 | 96         | Sand and shaley sand                                            |
| 3820  | 3860 | 40         | Shale                                                           |
|       |      |            | 3460 Ojo Alamo<br>3612 Fruitland<br>3724 Pictured Cliffs } E.L. |

FROM—

TO—

TOTAL FEET

FORMATION

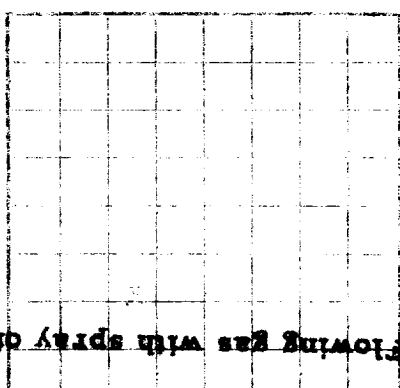
FORMATION RECORD—CONTINUED

LOG OF OIL OR GAS WELL

Flowing gas with spray of water. Shut well in and shut down because of snow.

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

UNITED STATES



Started swabbing 2 1/2 tubing. Well started flowing @ 6:00 PM

Run 117 ft. casing with collar and packer to 371.5 ft.

11/13/57

Perforated at 373 ft. and 376 ft. with 4 jets. 50,000 psi and 55,000 psi water.

11/14/57

Step to free and W.O.C. 11/13/57

W.O.C. 24 hours. Dred out cement to 381.5 ft.

Run Gamma Ray log to 3790. Perforated @ 3726 with 4 jets.

Run tubing with packer set @ 3690. Squared cement thru 63 sacks. Pressure 2600 psi. Drilled tubing and packer W.O.C.

11/11/57

Pumped down casing with 300 psi thru port @ 3726.

Run Gamma Ray log to 3790. Perforated @ 3726 with 4 jets.

11/10/57

Spudded 10/20/57. Cemented 8 5/8 @ 861 with 100 sacks.

Cemented 5 1/2 @ 3854 with 150 sacks. 11/4/57

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

10-48094-2 U. S. GOVERNMENT PRINTING OFFICE

SHOOTING RECORD

TOOLS USED

REMARKS

FORMATION RECORD

FORMATION

TOTAL FEET

FROM

TO

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