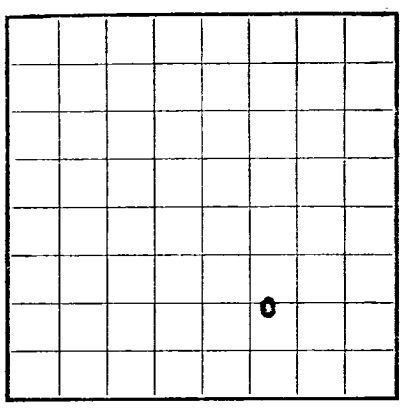
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Sante Fe
SERIAL NUMBER SF 081296
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company San Juan Gas Corporation Address 300 Shell Building, Tulsa, Oklahoma

Lessor or Tract Field Gavilan State New Mexico

Well No. 26-D Sec. 26 T. 25N R. 2W Meridian N. M. P. M. County Rio Arriba

Location 1370 ft. {N. / S.} of S Line and 1820 ft. {E. / W.} of E Line of Section 26 Elevation 7431 (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 Robert C. Pauson

Date July 17, 1956 Title Vice-President

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

Commenced drilling April 26, 19 56 Finished drilling May 3, 19 56

## OIL OR GAS SANDS OR ZONES

*(Denote gas by G)*

No. 1, from 3488 to 3550 (G) No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

## IMPORTANT WATER SANDS

No. 1, from 234 to 259 No. 3, from 530 to 563

No. 2, from 364 to 464 No. 4, from 757 to 770

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 8 5/8 | 24lb | 8 | CFI | 93 | Halliburton | | | | |
| 5 1/2 | 14lb | 8 | CFI | 3616 | Halliburton | | 3498 | | Squeeze |
| | | | | | | | 3536 | 3542 | Production |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8 5/8 | 93 | 50 Sx | Halliburton | | |
| 5 1/2 | 3616 | 100Sx | Halliburton | | |

## 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 Surface feet to 3622 feet, and from ____ feet to ____ feet

Cable tools were used from Comp. feet to ____ feet, and from ____ feet to ____ feet

## DATES

January 16, 19 57 Put to producing November 5, 19 57

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 1,583 mcf Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. 936

## EMPLOYEES

____, Driller ____, Driller

R. B. Stanberry, Driller ____, Driller

W. H. Sorrow

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| Surface | 258 | 258 | Broken sand and shale |
| 258 | 364 | 106 | Shale |
| 364 | 464 | 200 | Sand |
| 464 | 530 | 66 | Shale |
| 530 | 563 | 33 | Sand |
| 563 | 617 | 54 | Shale |
| 617 | 705 | 88 | Shnd |
| 705 | 757 | 52 | Shale |
| 757 | 770 | 13 | Sand |
| 770 | 837 | 67 | Shale |
| 837 | 855 | 18 | Sand |
| 855 | 990 | 135 | Shale |
| 990 | 1763 | 773 | Sand |
| 1763 | 1890 | 127 | Shale |
| 1890 | 2024 | 134 | Sand with shaley streaks |
| 2024 | 2114 | 190 | Shale |
| 2114 | 2153 | 49 | Sand |
| 2153 | 2187 | 34 | Shale |
| 2187 | 2780 | 593 | Broken sand and shale |
| 2780 | 2987 | 207 | Shale |
| 2987 | 3048 | 61 | Sand |
| 3048 | 3110 | 62 | Shale |

FOLD MARK



16—43094-4

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 3110 | 3227 | 117 | Broken Sand and shale |
| 3227 | 3357 | 130 | Sand |
| 3357 | 3488 | 131 | Broken coal, shaley sand, and shale |
| 3488 | 3520 | 32 | Shaley gas sand |
| 3520 | 3550 | 30 | Gas sand |
| 3550 | 3622 | 72 | Shale |

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## HISTORY OF OIL OR GAS WELL

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 bailing.

**Set 93' of 24lb 3 5/8 surface casing with 50 sacks of cement. Drilled 3622 of 7 7/8" hole and ran Schlumberger Electric Log to total depth. Set 5 1/2" 14lb casing at 3558 with 100 sacks of cement. Ran tempeture survey to 3565, B & R survey measurment, cement. Top at 2910. Ran Welex Gamma Ray to 3548. Perf at 3498 with 4 way squeeze Jet. Squeeze with 470 sacks of cement in 4 stages Drilled out to 3553, perf 4 holes to the foot from 3536-3542 Electric Log measurments. Fraced down casing with 50,000 pounds of 20-40 sand and 1600 bbls water breakdown press. 2000 psi treating press. MX 2200-1400 psi 44 bbl per min. injection rate. Ran 2" tubing and swabbed well in.**