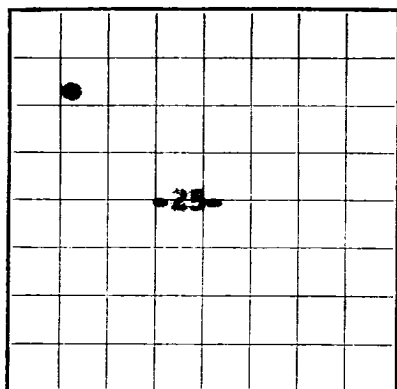


U. S. LAND OFFICE **Santa Fe, N. M.**SERIAL NUMBER **S. F. 681296**

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 **1716 1st Natl. Bldg., Tulsa, Oklahoma**Lessor or Tract **Federal** Field **Cavilan** State **New Mexico**Well No. **25-G** Sec. **25** T. **25N** R. **2W** Meridian **New Mexico** County **Rio Arriba**Location **1040** ft. **N.** of **N** Line and **885** ft. **E.** of **W** Line of **Sec. 25** Elevation **7457**
(Derrick floor relative to 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. Pausen**Date **January 16, 1957**Title **Vice President**

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

Commenced drilling **August 29,** 19**56** Finished drilling **August 30,** 19**56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3500** to **3576 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 _____ to _____ No. 3, from _____ to _____

No. 2, from **417** to **454** 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—	
8-5/8	24	8	O. F. I.	64	ball	surface			
4-1/2	16.6	11	O. F. I.	3605	ball	3580	3505		production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	86	50	ball		
4-1/2	3605	150	ball		

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 _____ feet, and from _____ feet to _____ feet

Cable tools were used from **surface** feet to **3610** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

January 16, 1957 for the first 24 hours was _____ barrels of fluid of **what in** % 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. **1,151 mcf**

EMPLOYEES

_____, Driller _____, Driller

W. R. Sorrow, Driller _____, Driller**R. E. Pitts**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surface	377	377	sh.
377	394	17	ss.
394	417	23	sh.
417	454	37	ss.
454	518	64	sh.
518	562	44	ss.
562	582	20	sh.
582	1779	1197	ss with sh. streaks.
1779	1810	31	sh.
1810	1904	84	ss.
1904	2093	89	sh.
2093	2243	150	ss.
2243	2292	49	sh.
2292	2452	262	ss.
2452	2524	72	sh.
2524	2567	43	ss.
2567	2692	125	sh.
2692	2734	42	ss.
2734	2802	68	sh.
2802	2872	70	ss.
2872	2906	24	sh.
2906	3243	326	broken ss. and sh.
3243	3393	150	ss - Ojo Alamo ss.
3393	3410	17	sh - Kirtland-Fruitland Formation
3410	3500	90	broken coal & sh.
3500	3576	76	broken gas ss. - Pictured Cliffs sandstone.
3576	3610	34	sh. - Lewis shale.

U.S. LAND OFFICE
Bureau of Land Management
Department of the Interior
Washington, D.C. 20250

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HISTORY OF OIL OR GAS WELL

Spudded and drilled 90' of 11" hole; set 86' of 8-5/8" 24-pound casing with 50 sacks regular cement. Drilled 3610' at 7-1/8" hole and ran Schlumberger Electric Log to 3611'. Set 4-1/2" 16.6 pound casing at 3605 with 75 sacks cement. 45 sacks cement, 4% gel, and 1/4 pound fluocel to the neck. Ran Schlumberger Electric Log to 3516. Perforated 4 holes at 3597 with and cemented with 150 sacks cement. Set 3516. Perforated 4 holes to the foot from 3500 to 3501. Cemented down for good show of gas. 1 sac treated down casing with 20,000 pounds of 20% sand. 20,000 gallons of water, preceded by 250 gallons of 15% H.C.P. Breakdown pressure - 1100 p.s.i.; maximum treating pressure - 2400 p.s.i.; minimum treating pressure - 1800 p.s.i. Cemented well in through casing. Well completed through casing and casing choke.

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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM: 1946

FROM -

TO -

TOTAL FEET

FORMATION