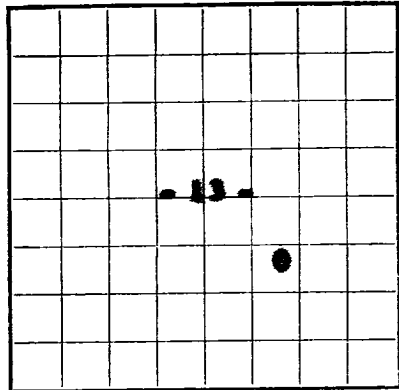




LOCATE WELL CORRECTLY

Company San Juan Gas Corporation Address 1714 First Natl. Bldg., Tulsa, Okla.
Lessor or Tract Federal Field Cavilan State New Mexico
Well No. 13-D Sec. 13 T. 25 NR. 24 Meridian New Mexico County Sie Arriba
Location 1350 ft. [N.] of 3 Line and 1450 ft. [E.] of 2 Line of Sec. 13 Elevation 7447 (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. Ransom

Date February 18, 1957 Title Vice President
The summary on this page is for the condition of the well at above date.

Commenced drilling September 12, 1956 Finished drilling September 19, 1956

OIL OR GAS SANDS OR ZONES
(Denote gas by G)
No. 1, from 200 to 230 No. 4, from 230 to 240
No. 2, from 230 to 240 No. 5, from 240 to 250
No. 3, from 240 to 250 No. 6, from 250 to 260

IMPORTANT WATER SANDS
No. 1, from 200 to 230 No. 3, from 240 to 250
No. 2, from 230 to 240 No. 4, from 250 to 260

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	26	4	C. F. I.	100	Ball	Surface			Surface
5-1/2	26	4	C. F. I.	100	Ball	200			200
2	26	4	C. F. I.	100	Ball	230			230

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	200	50	Halliburton		
5-1/2	230	150	"		

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 2675 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. 954 mci

EMPLOYEES
_____, Driller _____, Driller
W. H. Sarnow, Driller _____, Driller
R. E. Pitts

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
Surface	200	200	sh. and ss. streaks.
200	230	30	ss.
230	350	112	sh.
350	470	120	ss.
470	525	55	sh.
525	1741	1216	ss. with sh. partings.
1741	2424	684	shaly ss. with sh. streaks.
2424	2516	89	sh.
2516	2548	32	ss.
2548	2570	22	sh.
2570	2582	12	ss.
2582	2764	182	sh.
2764	2770	6	ss.
2770	2987	217	sh.
2987	3253	266	ss with sh. streaks.
3253	3267	14	sh.
3267	3400	133	ss - Ojo Alamo Sandstone.
3400	3512	112	broken coal, ss, and sh - Fruitland Form.
3512	3636	124	broken shaly gas ss - Pictured Cliffs ss.
3636	3675	39	sh. - Lewis shale.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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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.

Drilled 90' of 11" hole and set 33' of 4 1/2" x 20 pound surface casing with 20
of cement. Drilled out from under surface and set 3675' of 7-7/8" hole with
Schlumberger Electric Log to 3674'. Set 6 1/2" x 14-pound casing to 3675'
with 75 sacks regular, 75 sacks heavy, 45 gal. and 1 1/4 pound blocks in the
Mud. Moved in cable tools and ran Gamma Ray Log to 3621'. Perforated 4 inches
out from 3614 to 3616 and gunned with 100 grains. Drilled out to 3621'.
Perforated 4 inches to the foot from 3627 to 3630'. Frac treated perforations with
40,000 pounds of 20/40 sand and 40,000 pounds of 10/20 sand, 1400 barrels water.
Breakdown pressure - 1800 p.s.i.; treating pressure - 1400 p.s.i.; injection
rate - 40.5 barrels per minute. Ran 2" tubing to 3630' and cased well in.