

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. G. A. L. 100-100000
READING ROOM NEW YORK

LOCATE WELL CORRECTLY

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

Lessor or Trust UNITED STATES OF AMERICA Field Undesignated State New Mexico

Well No. 13-A Sec. 13 T. 24N R. 2W Meridian N.M.P.M. County Rio Arriba

Location 1981 ft. N of N Line and 1039 ft. E of W Line of Section 13 Elevation 7356

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. Pearson
Date: February 14, 1950 Title: Vice-President

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

Commenced drilling June 15, 1954 Finished drilling June 20, 1956

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 2, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3. from _____ to _____ No. 6. from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 100 to 550. No. 2, from 550 to 1000.

No. 2, from _____ to _____ 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	DEXX GPI	92					Surface
5 1/2	14	8	GPI	944	Howco	2325	2329	2491	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	102	50			
5 1/2	3454	100			

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 _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

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. _____

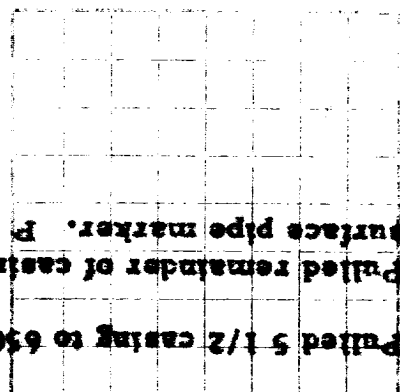
EMPLOYEES

_____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	160	160	Shale and sand
160	480	320	Shale
480	560	80	Sand
560	620	60	Shale
620	850	130	Sand and broken sand and shale
850	950	100	Shale
950	1690	740	Sand with broken sand and shale
1690	1800	110	Shale
1800	2200	400	Sand
2200	2400	200	Shale
2400	2740	340	Sand and shale
2740	2860	120	Shale
2860	3028	168	Sand and shale
3028	3234	206	Sand
3234	3296	32	Shale and sand
3296	3385	89	Shale and coal
3385	3420	35	Sand
3420	3460	40	Shale
			3028 Ojo Alamo)
			Kirtland 3234) E. L.
			3296 Fruitland)
			1185 Pictured Cliffs



Spud June 15, 1956. Cement 8 5/8 @ 102' with 50 sacks June 15, 1956. Reached TD of 3460 and ran Electric Log June 20, 1956. Cement 5 1/2 @ 3444' with 100 sacks June 21, 1956. MORT.

September 22, 1956
MORT. Tested casing to 2000 psi OK. Ran Gamma Ray Log to 3442. Perf. 3375-76 (G.R.) Pumped thru perf or vacuum. Pumped 75 sacks cement down 5 1/2 casing thru perf 3375. Max press 500 psi.
September 23, 1956
Pumped 75 sacks cement down casing with max. and final press 2000 psi. Bailed and drilled out cement. Press tested to 2000 psi. OK.
September 24, 1956
Perf. 3399-3407, 4 holes/ft. (G.R.) Swabbed down - NO shows. Ran Howco R/TIS packer on 2" tubing and set @ 3380'.
September 25, 1956
Frac. thru tubing with 9800 gal jelled diesel and 15,000# sand. Breakdown pressure 2000 psi. Max treat press 2300 psi.
September 26, 1956
Swabbed 18 hours. Swabbed off diesel and well started making salt water @ rate 15 gpm with show of gas.
September 27, 1956
Swabbed 15 hole salt water/hour. for 19 hours. Pulled tubing. MORT.
January 1, 1958
Mixed in casing puller. Set 30 sacks cement plug 3380 to 3442
January 2, 1958
Shot 5 1/2 casing @ 3325: Pulled 60'. Pumped 50 sacks of cement on top of cut off pipe. COMPANY - ran electric log correctly

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, 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, position, and number of shots. If plugs or bridges were put in, list for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

[illegible]

FORMATION RECORD—Continued

MSA 10-10