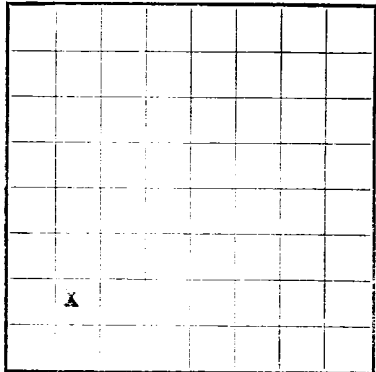




LOCATE WELL CORRECTLY

Santa Fe
U. S. LAND OFFICE
SERIAL NUMBER 079367-B
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

14-08-001-1051

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-6 Unit Field So. Blanco Ext. State New Mexico
Well No. 70(1M) Sec. 25 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 993 ft. [N] of S Line and 990 ft. [E] of W Line of Section 25 Elevation 6594' (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.
Original Signed D. C. Johnston
Signed

Date July 15, 1957 Title Petroleum Engineer

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

Commenced drilling 2-7, 1957 Finished drilling 2-17, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3210 to 3255 (G) No. 4, from 5368 to 5559 (G)
No. 2, from 4910 to 5020 (G) No. 5, from to
No. 3, from 5020 to 5368 (G) No. 6, from to

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
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	
10-3/4"	32.75	P.E.	S.W.	161'	Howco				surface
7-5/8"	26.4	8 Rd. J-55		3371'	Baker				Prod. cas.
5-1/2"	15.5	8 Rd. J-55		2254'	Baker				Prod. liner
2"	4.7	8 Rd. J-55		5229'					Prod. tbg.
1-1/4"	2.3	8 Rd. Grade B		3237'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	172'	125	circulated		
7-5/8"	3383'	250	single stage		
5-1/2"	3315-5569'	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size Baker Model 80J packer at 3366'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 3385 feet, and from 3385 feet to 5570 feet
Cable tools were used from feet to feet, and from feet to feet

DATES

5-3, 1957 Put to producing 1957

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 P.C. 4,695,000
M.V. 4,519,666 Gallons gasoline per 1,000 cu. ft. of gas

HISTORY OF OIL OR GAS WELL

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

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.

2-23-57. COB 9509. Perf w/2 Jet/ft. Int. 5354-84; 5376-98; 5406-17; 5493-5506. Water frac P.L. w/50,200 gal. water, 40,000 sand. Flush w/10,000 gal. water. I.R. 62.5 BPM. B.D. 2100, avg. tr. pr. 1800, max. pr. 2100.

2-23-57. B.P. at 5200'. Perf w/2 BJ/ft. Int. 4908-30; 4938-52; 4964-70. 4997-5008. Water frac C.H. w/57,000 gal. water, 60,000 sand. Flush w/16,000 gal. water. IR 57.4 BPM. B.D. 1900, avg. tr. pr. and max. pr. 1800.

2-25-57. B.P. at 4610'. Perf w/2 BJ/ft. Int. 3812-24; 3238-56. Water frac P.C. w/62,000 gal. water, 48,000 sand. Flush w/8000 gal. water, I.R. 65.4 BPM. B.D. 3000 and none; avg. tr. pr. 1600 and 1800, max. pr. 1600-1800. Fraced P.C. w/20,000 sand. and 40 balls followed w/20,000 sand and flush.

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