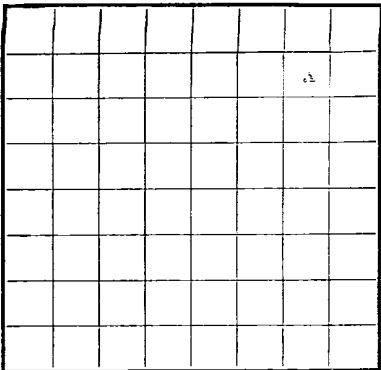


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078496
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES **RECEIVED**
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
AUG 10 1959

U. S. GEOLOGICAL SURVEY
FARMINGTON NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field Blanco MV & South State New Mexico
Well No 103(PM) Sec 3 T 27N R 7W Meridian N.M.P.M. County Rio Arriba
Location 616 ft. S. of xxx Line and 1041 ft. W. of E Line of Section 3 Elevation 6173
(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 ORIGINAL SIGNED J.J. TILLERSON

Date August 6, 1959 Title Petroleum Engineer

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

Commenced drilling 6-14, 19 59 Finished drilling 6-24, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2765 to 2810 (G) No. 4, from 5005 to 5162 (G)
No. 2, from 4427 to 4501 (G) No. 5, from _____ to _____
No. 3, from 4501 to 5005 (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	2938	Baker				Prod. Cas.
5-1/2	15.5	8 Rd.	J-55	2321	Baker				Prod. Liner
2'	4.7	8 Rd.	J-55	5008					Prod. Tbg.
1-1/4"	2.4	10 Rd.	Grade "A"	2796					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	171'	165	Circulated		
7-5/8	2941	120	Single Stage		
5-1/2	2901-5220	306	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size Guiberson AG packer at 4336'

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		<u>See Well History</u>				

TOOLS USED

Rotary tools were used from 0 feet to 2942 feet, and from 2942 feet to 5226 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

7-2, 19 59 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 FC-1,684,000 Gallons gasoline per 1,000 cu. ft. of gas _____
MV-4,259,000

Rock pressure, lbs. per sq. in. FC-1053; M.V. 1108 A.C.F. = P.C. 1/14; M.V. 6167 MCF/D

EMPLOYEES

FOLD MARK

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 bailing.

- 6-27-59 Total depth 5226'. C.O.T.D. 5157'. Water frac. Point Lookout perf. int. 5004-14; 5028-38; 5052-62; 5072-82; 5106-16 w/50,000 gallons water and 50,000# sand. BD pr. 3200#, max. pr. 3200#, tr. pr. 1400-1600-2100-2400#. I.R. 76 BPM. Flush 8130 gal. Dropped 3 sets of 20 balls.
- 6-27-59 B.P. @ 4650'. Water frac. Cliff House perf. int. 4480-4500; 4516-24; 4532-40; 4546-54 w/45,500 gal. water, 50,000# sand. BD pr. 2200#, max. pr. 2900#. Avg. tr. pr. 1300-1900-2200-2900#. I.R. 60 BPM. Flush 7290 gal. Dropped 3 sets/16 balls.
- 6-27-59 Bridge plug at 4300'. Water frac. Pictured Cliffs perf. int. 2766-80; 2790-2806; 2834-44; 2850-60 w/38,300 gallons water and 40,000# sand. BD pr. 1500#, max. pr. 2500#, tr. pr. 1200-1500-1900-2400#. I.R. 58 BPM. Flush 6300 gallons. Dropped 2 sets of 20 and 1 set of 10 balls.