

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079366
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Rincon Unit Field Blanco & State New Mexico
Well No 99(PM) Sec. 27 T. 27N R. 6W Meridian N.M.P.M. County Rio Arriba
Location 1025 ft. XX of N. Line and 1025 ft. XX of E. Line of Sec. 27 Elevation 6538

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 D. C. Johnston

Date September 25, 1957 Title Petroleum Engineer

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

Commenced drilling 7-20 1957 Finished drilling 8-12 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3131 to 3275 (G). No. 4, from 5318 to 5508 (G).
No. 2, from 4874 to 4913 (G). No. 5, from _____ to _____.
No. 3, from 4913 to 5318 (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.	160'	Howco				Surface
7 5/8	26.4	8 Rd.	J-55	3313'	Baker				Prod. Csg.
5 1/2	15.5	8 Rd.	J-55	2268'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5463'					Prod. Tbg.
1 1/4"	2.3	8 Rd.	Grade "B"	3157'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	175'	150	Circulated		
7 5/8"	3325'	250	Single Stage		
5 1/2	3255-5523	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size **Baker "EGJ" Pkr. # 3361'**

SHOOTING RECORD

[illegible]

TOOLS USED

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					Gas Drilled
Rotary tools were used from	175	feet to	3325	feet, and from	3325 feet to 5528 feet
Cable tools were used from	0	feet to	175	feet, and from	feet to feet

DATES

8-19, 19-57 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 $\frac{P.C.: 3,561,000}{M.V.: 4,432,000}$ Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1052 (MV) A.O.F. = $\frac{P.C. 3842}{M.V. 7193}$ MCF/D

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2411	2411	Tan to gry cr-grn ss interbedded w/gry sh.
2411	2626	215	Ojo Alamo ss. White cr-grn s.
2626	2944	318	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2944	3131	187	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3131	3275	144	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3275	4874	1599	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4874	4913	39	Cliff House ss. Gry, fine-grn, dense sil ss.
4913	5318	405	Menefee form. Gry, fine-grn s, carb sh & coal.
5318	5508	190	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5508	5528	20	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

[illegible]

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.

- 8-14-57 C.O.T.D. 5510'. Perf. w/2DJ/ft. Int. 5284-5300; 5362-72; 5394-5414; 5424-36; 5448-56; 5484-94. Water frac. P. L. w/62,060 gal. water, 60,000 sand, Flush w/10,000 gal. water. I.R. 71.2 BPM. BD-none, tr. pr. 1350, 1500, 1800; max. tr. pr. 1800. Dropped 14 balls 9 times every 6000 gal. fluid - 10 stages.
- 8-14-57 B.P. @ 5050. Perf. w/2DJ/ft. Int. 4824-44; 4860-80; 4900-14; 4956-72. Water frac. C. H. w/58,600 gal. water, 60,000# sand; flush w/10,000 gal. water. I.R. 47.0 BPM. BD 2600, tr. pr. 1800, 2000, & 2500, max. tr. pr. 3000. Dropped 20 balls 3 times every 8500 gal. fluid - balled off and repeated cycle; balled off 2nd time - dropped balls and continued frac.
- 8-15-57 B.P. @ 3700'. Perf. w/2DJ/ft. Int. 3132-80, water frac. P. C. w/53,000 gal. water, 40,000# sand, flush w/7000 gal. water. I.R. 70.0 BPM. BD 1500, tr. pr. 1500, max. tr. pr. 1500.