

[illegible]

U. S. LAND OFFICE _____ Santa Fe
SERIAL NUMBER _____ 078640
LEASE OR PERMIT TO PROSPECT _____
14-08-001-459

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 San Juan 28-7 Unit Field Blanco So. Blanco N.C. State New Mexico
Well No. 97(FM) Sec. 21 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 903 ft. N. of N Line and 990 ft. E. of E Line of Section 21 Elevation 6587'

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. ILLERSON

Date **January 30, 1959**

Title **Petroleum Engineer**

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

Commenced drilling December 5 19 58 Finished drilling December 18 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from <u>3016</u> to <u>3097 (G)</u>	No. 4, from <u>5275</u> to <u>5304 (G)</u>
No. 2, from <u>4651</u> to <u>4721 (G)</u>	No. 5, from _____ to _____
No. 3, from <u>4721</u> to <u>5275 (G)</u>	No. 6, from _____ to _____

RECEIVED

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.	164'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	2301'	Baker				Prod. csg.
5 1/2"	15.30	8 Rd.	J-55	1352'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	5381'					Prod. tbq.
1 1/4"	2.4	8 Rd.	Grade A	3046'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	176'	150	Circulated		
7 5/8"	3213'	150	Single Stage		
5 1/2"	3140-5465'	350	Single Stage	v/250 sks. & squeeze v/100 sks.	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size **Baker "EG-J" Pecker at 3251'**

SHOOTING RECORD

[illegible]

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 3215 feet, and from 3215 feet to 5470 feet **Gas Drilled**

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

DATES

December 29	19 58	Put to producing	19
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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. 3,151,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 100 P.C. 3385

EMPLOYEES N.V. 865 NLS/D

Driller

Driller

Driller

Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	2234	2234	Tan to gry cr-grn ss interbedded w/gry sh.
2234	2350	116	Ojo Alamo ss. White cr-grn s.
2350	2832	482	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2832	3016	184	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3016	3097	81	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3097	4651	1554	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4651	4721	70	Cliff House ss. Gry, fine-grn, dense silt ss.
4721	5275	554	Menefee form. Gry, fine-grn s, carb sh & coal.
5275	5409	134	Point Lookout form. Gry, very fine silt ss w/frequent sh breaks.
5409	5470	61	Mancos formation. Gry carb sh.

