

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078835-A**
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 San Juan 28-7 Unit Field Blanco & So. Blanco P. S. State New Mexico
Well No. 86 (PM) Sec. 7 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1300 ft. ^[N.] of S. Line and 1550 ft. ^[E.] of W. Line of Section 7 Elevation 6626'
_{SEC 7 W 7}

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 June 12, 1953 Title Petroleum Engineer

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

Commenced drilling 2-15- 1958 Finished drilling 2-27- 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3033 to 3123 (G) No. 4, from 5290 to 5417 (G)
 No. 2, from 4602 to 4713 (G) No. 5, from _____ to _____
 No. 3, from 4713 to 5290 (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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.B.	S.W.	161'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	3189'	Baker				Prod. csg.
5 1/2"	15.50	8 Rd.	J-55	2300'	Baker				Prod. liner
2"	4.7	8 Rd.	J-55	5176'					Prod. tbg.
1 1/4"	2.4	8 Rd.	Grade "A"	3079'					Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	170'	150	circulated		
7-5/8"	3201'	150	single stage		
5-1/2"	3157-5457'	250	single stage		

PLUGS AND ADAPTERS

Heaving plug--Material Length Depth set

Adapters—Material..... Size **Daker "36" Pk. © 2191**

SHOOTING RECORD

[illegible]

TOOLS USED

Rotary tools were used from 175 feet to 3203 feet, and from 3203 feet to 5457 feet

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

212 DATES

..... 3-10	 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. 1,189,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

LES O.F.--M.V. 1477

-----, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	2130	2130	Tan to gry cr-grn ss interbedded w/gry sh.
2130	2292	162	Ojo Alamo ss. White cr-grn s.
2292	2828	536	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2828	3033	205	Fruitland form. Gry carb sh, scattered coals and gry, tight, fine-grn ss.
3033	3123	90	Pictured Cliffs form. Gry, fine-grn, tight varicolored soft ss.
3123	4602	1479	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4602	4713	111	Cliff House ss. Gry, fine-grn, dense sil s
4713	5290	577	Menefee form. Gry, fine-grn s, carb sh & c
5290	5417	127	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5417	5457	40	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

16-43094-2 J. 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.

3-2-58 T.D. 5427'. CO2D 5430'. Water frac. P.L. perf. int. 5424-5386; 5250-5284; 5200-5218; w/50,000 gal. water and 50,000# sand. BD pr. 900#, max. pr. 2000#, tr. pt. 900-1700-2000-3000# (max.). I.R. 56.0 BPM. Flush 8900 gal. Dropped 2 sets of 30 balls for 3 stages. Set B.P. @ 5143'. Frac. C.H. perf. int. 4764-4812; 5060-5092 w/50,000 gal. water and 50,000# sand. BD pr. 2700#, max. pr. 2500#, tr. pr. 2000#, 2050#, 2000, 2200#. I.R. 40.1 BPM. Flush w/5000 gal. Dropped 2 sets of 30 balls for 3 stages.

3-7-58 Set BP at 3188'. Perf. P.C. w/2 DJ/ft. 3108-3120; 3080-3100; 3038-3062 fraced w/50,000 gal. water and 50,000# sand. BD pr. 1950#, max. 3000#, tr. pr. 1500-1400-1600-2350-3000-2900-500#. Avg. I.R. 60 BPM. Flush 6800 gal. of water. Dropped 3 sets of 30 balls for 4 stage frac.

0. 4 0 1 2 8 0 6 9 0 0 7 0 1 0 2 0 0 0