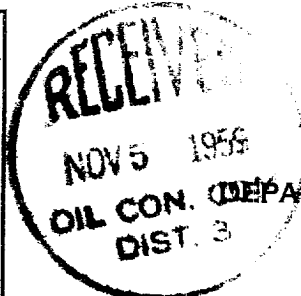


[illegible]

LOCATE WELL CORRECTLY



UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FALLINGTON, 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 32-9 Unit Field Blanco M.V. State New Mexico
Well No. 70-X Sec. 21 T. 32N R. 9W Meridian N.M.P.M. County San Juan
Location 1563 ft. ~~of~~ of N. Line and 890 ft. ~~of~~ ^(Box) W of E. Line of Section 21 Elevation 6912'

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 H.E. JENNINGS
Signed _____

Date October 29, 1959 Title Petroleum Engineer

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

Commenced drilling 7-19, 19 59 Finished drilling 9-10 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3750 to 3890 (G) No. 4, from 6051 to 6237 (G)
No. 2, from 5678 to 5784 (G) No. 5, from to
No. 3, from 5784 to 6081 (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—	
13 3/8	48	8 Rd.	N-80	348	Header				Surface
9 5/8	48	8 Rd.	N-80	1708					Surface
9 7/8	36	8 Rd.	J-55	2938	Baker				Intermediate
7"	26	8 Rd.	N-80	195	Baker				Prod. Liner
7"	23	8 Rd.	N-80	2342					
7"	23	8 Rd.	J-55	5046		0 - 3290			
5"	17	8 Rd.	N-80	58	Baker				Prod. Liner
1 1/4"	2.4	10 rd.	Grade "A"	6350					Prod. Tag.

MIDDLING AND GRADING RECORD

1	1 1/4" casing	2.4 10 rd. Where set	Grade "A" 6350 Number sacks of cement	Method used	Mud gravity	Amount of mud used
13	3/8	330	210	Circulated		
9	5/8	4000	200	Single Stage		
7"		3290-8192	1030	Single Stage		
5"		8140-8593	70	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material..... Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See Well History				

TOOLS USED

Rotary tools were used from 0 feet to 1403 feet, and from 4403 feet to 8197 feet. Gas Drilled

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

DATES

-----9-22-----, 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 3,543,000 ----- Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. 1088 A.O.F. = 89 3748 MCF/D

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Undev.	3055	3055	Ojo Alamo ss. white cr-grn s.
3055	3358	303	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3358	3750	392	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3750	3890	140	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3890	5678	1788	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
5678	5784	106	Cliff House ss. Gry, fine-grn, dense sil ss.
5784	6081	297	Manefee form. Gry, fine-grn s, carb sh & coal.
6081	6237	156	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6237	7283	1046	Mancos formation. Gry carb sh.
7283	7970	687	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
7970	8167	197	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
8167	8225	58	Greenhorn form. Highly calc gry sh w/thin lmet.
8225	8328	103	Graneros form. Dk gry shale, fossil & carb w/pyrite incl.
8328	8543	215	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks.
8543	8596	53	Morrison form. Interbed grn brn and red waxy sh

