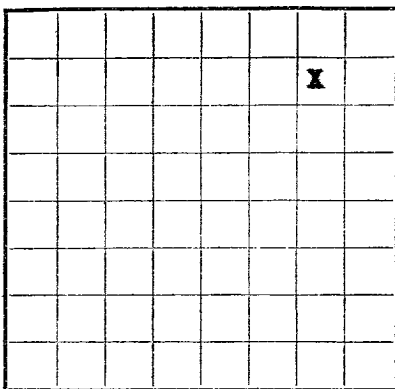




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078513**
LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **San Juan 32-9 Unit** Field **Blanco Mesa Verde** State **New Mexico**
Well No. **77** Sec. **18** T. **32N** R. **9 W** Meridian **N.M.P.M.** County **San Juan**
Location **1227** ft. **(XX)** of **N** Line and **1090** ft. **(XX)** of **E** Line of **Sec. 18** Elevation **6818'**
(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 12, 1960**Title **Petroleum Engineer**

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

Commenced drilling **6-23**, 19**60** Finished drilling **7-3**, 19**60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3426** to **3764 (G)** No. 4, from **5871** to **6049 (G)**
No. 2, from **5545** to **5613 (G)** No. 5, from **5871** to **6049**
No. 3, from **5613** to **5871 (G)** No. 6, from **5871** to **6049**

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"	32.5	8 Rd.	J-55	295	Baker				intermediate
7 5/8"	29.4	8 Rd.	J-55	3938	Baker				intermediate
5 1/2"	15.5	8 Rd.	J-55	2268	Baker				prod liner
2"	4.7	8 Rd.	J-55	5976					prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	295	186	circulated		
7 5/8"	3949	166	single stage		
5 1/2"	3630-6118	225	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 **3950** feet, and from **3950** Gas drilled **6120** feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

7-7-, 19**60** 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 **3,498,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1072** **A.O.F. -5350 MCF/D**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2729	2729	Tan to gry cr-grn ss interbedded w/gry sh.
2729	2808	79	Ojo Alamo ss. White cr-grn s.
2808	3100	292	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3100	3426	326	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3426	3764	338	Pictured Cliffs forms Gry, fine-grn, tight, vari-colored soft ss.
3764	5545	1781	Lewis formation. Gry, fine-grn, dense sil ss.
5545	5613	68	Cliff House ss. Gry, fine-grn, dense sil ss.
5613	5871	258	Manefee form. Gry, fine-grn s, carb sh & coal.
5871	6049	178	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
6049	6120	71	Mancos formation. Gry carb sh.

[OVER]

FORMATION RECORD—Continued

