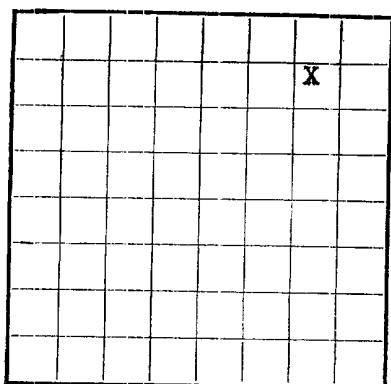


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **078835-A**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **San Juan 28-7 Unit** Field **Blanco** State **New Mexico**
Well No. **85** Sec. **6** T. **27N** R. **7W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **856** ft. **NE** of **N** Line and **1090** ft. **NE** of **E** Line of **Section 6** Elevation **6193'**
(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 D. C. Johnson**Date **July 3, 1958**Title **Petroleum Engineer**

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

Commenced drilling **4-11-**, 19**58** Finished drilling **5-13-**, 19**58**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2636** to **2790 (G)** No. 4, from **4890** to **5078 (G)**
No. 2, from **4347** to **4444 (G)** No. 5, from _____
No. 3, from **4444** to **4890 (G)** No. 6, from _____

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.	162'	Howco				Surface
7 5/8"	26.40	8 Rd.	J-55	4666'	Baker				Intermediate
5 1/2"	15.50	8 Rd.	J-55	5120'	Baker				Prod. Liner
2"	4.7	8 Rd.	J-55	5077'					Prod. tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	173'	150	circulated		
7 5/8"	4666'	250	single stage		
5 1/2"	4603-5117'	200	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

Gas Drilled

Rotary tools were used from **175** feet to **4666** feet, and from **4666** feet to **5120** feetCable tools were used from **0** feet to **175** feet, and from _____ feet to _____ feet

DATES

_____ **5-13-**, 19**58** 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 **2,831,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **1072** A.O.F.=**3591 MCF/D**

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1751	1751	Tan to gry cr-grn ss interbedded w/gry sh.
1751	1907	156	Ojo Alamo ss. White cr-grn s.
1907	2385	478	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2385	2636	251	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2636	2790	154	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2790	4347	1557	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4347	4444	97	Cliff House ss. Gry, fine-grn, dense sil ss.
4444	4890	446	Manefee form. Gry, fine-grn s, carb sh & coal.
4890	5078	188	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5078	5120	42	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

[illegible]

HISTORY OF OIL OR GAS WELL

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.

5-16-58 T.D. 5120'. C.O.T.D. 5116'. Set B.P. @ 5114'. Water frac. P.L.
perf. int. 4810-30; 4924-50; 4964-98; 5006-32; 5044-70; 5098-5114
w/68,880 gal. water and 65,000# sand. B.D.P. 1000#, max. pr. 3000#,
trtg. 1400-1600-2100-3000-2200#. I.R. 70 B.P.M. Flush 9660 gal.
Dropped 6 sets of 25 balls.

100-443883-100