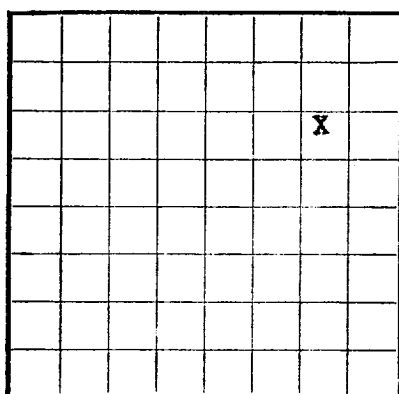




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **078389**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIORGEOLOGICAL SURVEY
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company **El Paso Natural Gas Company** Address **Box 997, Farmington, New Mexico**
Lessor or Tract **Lucerne** Field **Blanco** State **New Mexico**
Well No. **4-A** Sec. **10** T. **31N** R. **10W** Meridian **NMPM** County **San Juan**
Location **1714** ft. **N** of **N** Line and **970** ft. **E** of **E** Line of **Section 10** Elevation **6101'**
(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

*D.C. Johnston*Date **May 12, 1955**Title **Petroleum Engineer**

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

Commenced drilling **April 3**, 19**55** Finished drilling **April 23**, 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2903** to **2973 (G)** No. 4, from **5156** to **5230 (G)**
No. 2, from **4667** to **4805 (G)** No. 5, from to
No. 3, from **4805** to **5156 (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
9 5/8"	25.4#	P.E.	S.W.	163'	Howco			Surface
7"	23.4#	8 RD	J-55	1041'				Prod. Csg.
7"	23.4#	8 RD	J-55	1041'				Prod. Csg.
2"	4.7	8 RD	J-55	5219'				Prod. Tub.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	174'	125	Circulated		
7"	4610'	500	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 **0** feet to **4610** feet, and from **4610** feet to **5270** feet
Cable tools were used from feet to feet, and from feet to feet

DATES

..... **April 25**, 19**55** 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 **4,334,000** Gallons gasoline per 1,000 cu. ft. of gasRock pressure, lbs. per sq. in. **1060**

EMPLOYEES

....., Driller Driller
....., Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1395	1395	Tan cr-grn ss w/thin sh breaks.
1395	1770	375	Variegated sh w/thin ss breaks.
1770	2125	355	Tan to gry cr-grn ss interbedded w/gry sh.
2125	2235	110	Ojo Alamo ss. White cr-grn s.
2235	2456	221	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2456	2903	447	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2903	2973	70	Pictured Cliffs fom. Gry, fine-grn, tight, varicolored soft ss.
2973	4667	1694	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4667	4805	138	Cliff House ss, Gry, fine-grn, dense sil ss.
4805	5156	351	Manefee form. G y, fine-grn s, carb sh & coal.
5156	5230	74	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5230	5270 T.D.	40	Mancos formation. Grycarb sh.

