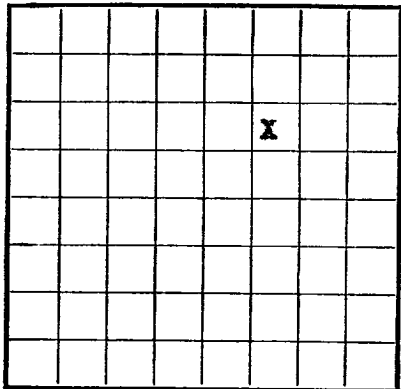


U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **078194**

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 **Ludrick** Field **Astec P.C. & Blanco Ext.** State **New Mexico**
Well No. **13 (PM)** Sec. **5** T. **29N** R. **10W** Meridian **NM** County **San Juan**
Location **1750** ft. **1750** of **N** Line and **1720** ft. **1720** of **E** Line of **Section 5** Elevation **5888'**
(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 **F.W. BOYD**Date **December 5, 1956**Title **Petroleum Engineer**

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

Commenced drilling **7-6-56**, 19____ Finished drilling **10-7-56**, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2900** to **3300 (G)** No. 4, from **4566** to **4810 (G)**

No. 2, from **3860** to **4047 (G)** No. 5, from **4047** to **4566 (G)**

No. 3, from **4047** to **4566 (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
10 3/4"	32.75	P.E.	S.M.	162'	Horus			Surface
7"	18.5	8 RD	J-55	162'				Prod. Cg.
5 1/2"	13.5	8 RD	J-55	162'				Other
2"	4.7	8 RD	J-55	162'				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"	172'	125	Circulated		
7"	4200'	300	2 stages (150 sacks on each stage).		
5 1/2"	4113-4894	120	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

TOOLS USED

Rotary tools were used from **172** feet to **4200** feet, and from **4200** feet to **4894** feet
Cable tools were used from **0** feet to **172** feet, and from _____ feet to _____ feet

DATES

10-16-56, 19____ 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 **P.C. 2,173,000**
M.V. 5,008,000 Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. **SIPC 642** **SIPC 623** **A.O.F. P.C. 2,290 MCF/D.**
SIPC 1176 **SIPC 1164** **M.V. 7,797 MCF/D.**

EMPLOYEES

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