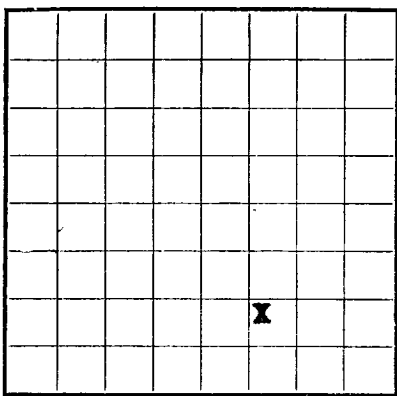




LOCATE WELL CORRECTLY

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

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
FEB 23 1955
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 **Ludwick** Field **Astec Pool** State **New Mexico**
Well No. **3** Sec. **29** T. **30N** R. **10W** Meridian **NMPM** County **San Juan**
Location **990** ft. ^[N.] of **S** Line and **1750** ft. ^[E.] of **E** Line of **Section 29** Elevation **6142'**
(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 *E. J. [Signature]*Date **February 25, 1955**Title **Petroleum Engineer**

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

Commenced drilling **January 26,** 19**55** Finished drilling **February 8,** 19**55****OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from **2577** to **2650 (G)** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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—	
9 5/8	36#	8 RD	J-55	97'	Howoe				Surface
5 1/2	15.75	8 RD	J-55	2585	Howoe				Prod. Log.
1"	1.68	8 RD Std. Blk.	2646.75						Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	108	100	Circulated		
5 1/2	2575	150	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 USEDRotary tools were used from **0** feet to **2585** feet, and from _____ feet to _____ feetCable tools were used from **2585** feet to **2650** feet, and from _____ feet to _____ feet**DATES**Put to producing **February 9,** 19**55** _____, 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 **6,085,000** Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. **642****EMPLOYEES**

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	260	260	Tan cr-grn ss w/thin sh breaks.
260	1095	835	Variegated sh w/thin ss breaks.
1095	1905	810	Tan to gry cr-grn ss interbedded w/gry sh.
1905	1993	88	Ojo Alamo ss. White cr-grn s.
1993	2220	227	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2220	2577	357	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2577	2650	73	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-3

FORMATION RECORD—Continued

