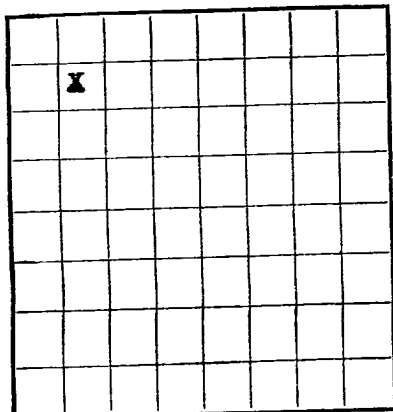


U. S. LAND OFFICE **8F**
SERIAL NUMBER **080594**
LEASE OR PERMIT TO PROSPECT

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 **Bolack** Field **Otero P.C. Ext.** State **New Mexico**
Well No. **4-D** Sec. **1** T. **24N** R. **6W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **990** ft. **N.** of **N.** Line and **990** ft. **E.** of **E.** Line of **Sec. 1** Elevation **6702'**
(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. Johnston**
Title **Petroleum Engineer**

Date **August 2, 1957**

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

Commenced drilling **7-2-**, 19**57** Finished drilling **7-6**, 19**57**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2490** to **2579 (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 pipe	Cut and pulled from	Perforated	Purpose
8 5/8"	24	8 BA.	I-55	120'	Hercos			Surface
5 1/2"	15.5	8 BA.	I-55	2618'	Hercos			2618' to 6702'
1 1/4"	2.3	8 BA.	I-55	2554'				Prod. Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	130'	100	Circulated		
5 1/2"	2618'	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

TOOLS USED

Rotary tools were used from **0** feet to **2618** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

7-11, 19**57** 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 **A.O.F. = 1052 MCF/D**
1,033,600 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. **713**

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	1940	1940	tan to gry cr-grn as interbedded w/gry sh.
1940	2085	145	Ojo Alamo ss. White cr-grn s.
2085	2320	235	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2320	2490	170	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight fine-grn ss.
2490	2579	89	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2579	2618	39	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.



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LOCATE WELL CORRECTLY

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Original Signed D. C. Johnston

Location of the well or mine and name of the owner or lessee of the well or mine

Well No. 1-1

Section of the well or mine

Lesser or tract

Company

Address of the owner or lessee of the well or mine

State

County

Elevation of the well or mine

The University of Chicago Press
Chicago, Illinois

Date _____
Page No. _____

Printed by _____
at _____

[illegible][illegible]

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 pins or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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FORMATION RECORD—Continued