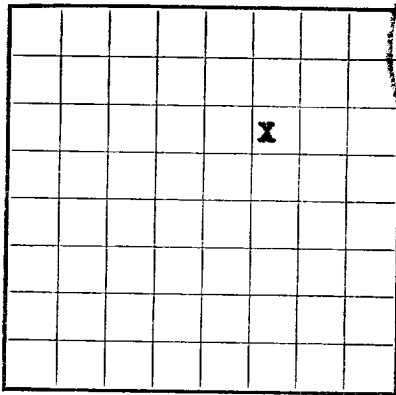


U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **Cont. No. 109 P.C.**
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **El Paso Natural Gas Company** Address **Box 990, Farmington, New Mexico**
Lessor or Tract **Jicarilla "F"** Field **So. Blanco P. C.** State **New Mexico**
Well No. **14** Sec. **16** T. **26-N** R. **5-W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **1650** ft. **XXX** of **N** Line and **1650** ft. **XXX** of **E** Line of **Section 16** Elevation **6614**
(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. Original Signed **R. G. ISALER**
Signed _____Date **June 26, 1961** Title **Petroleum Engineer**

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

Commenced drilling **4-20-**, 19 **61** Finished drilling **5-10-**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3120** to **3190 (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—	
8 5/8"	27	4	API	100	API	3120			Running casing.
2 7/8"	10	14	API	80	API	3190			Production casing.
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	107	100	circulated		
2 7/8"	3251	80	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
3120-3132	Free Pictured Cliffs	w/32, 27 1/2 gal water (7 1/2 J-2/1000 gal) and 28,000#				
3132-3144	sand. Flushed w/1000 gal water. MFP 3600#, max pr 2700#, avg tr pr 2200-					
3144-3153	2300-2400-2500-2500#	IN 17.5 MM. Dropped 40 balls - 5 stages.				

TOOLS USED

Rotary tools were used from **0** feet to **3260** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

8.1. 5-31-, 19 **61** 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 **2,094,000** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. **1034** **A.O.F. 2179 MFP/D**

EMPLOYEES

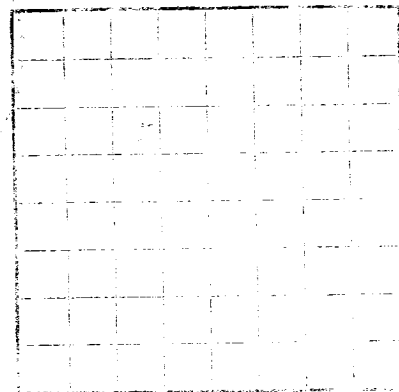
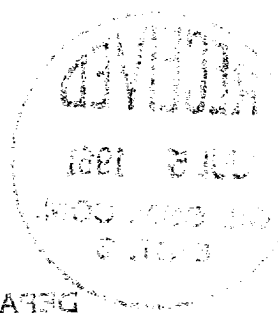
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2477	2477	Tan to gry cr-grn ss interbedded w/gry sh.
2477	2715	238	Ojo Alamo ss. White cr-grn s.
2715	2934	219	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
2934	3120	186	Fruitland form Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3120	3190	70	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3190	3260	70	Lewis form. Gry, fine-grn, dense sil ss.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



Company name, location, and well details. Includes fields for State, County, Township, Range, and Section. A note mentions that the log should be filled in as the well is drilled, and that the log should be filled in as the well is drilled.

OIL OR GAS SANDS AND OTHERS

Log entries for oil or gas sands and other formations. Includes depth ranges and descriptions of the formations.

CASING RECORD

Log entries for casing, including depth, diameter, and material. Includes a note about the importance of recording casing details.

HISTORY OF OIL OR GAS WELL

Log entries for the history of the well, including dates and events. Includes a note about the importance of recording well history.

PLUGGING AND CEMENTING RECORD

Log entries for plugging and cementing operations, including depth, material, and results.

PLUGS AND ADAPTERS

Log entries for plugs and adapters, including depth, size, and material.

SHOOTING RECORD

Log entries for shooting operations, including depth, charge, and results.

TOOLS USED

Log entries for tools used in the well, including depth, tool name, and results.

DATE

Log entries for dates, including date, time, and location.

FORMATION RECORD

Log entries for formation records, including depth, formation name, and characteristics.

FROM-	TO-	TOTAL FEET	FORMATION
0	10	10	...
10	20	20	...
20	30	30	...
30	40	40	...
40	50	50	...
50	60	60	...
60	70	70	...
70	80	80	...
80	90	90	...
90	100	100	...