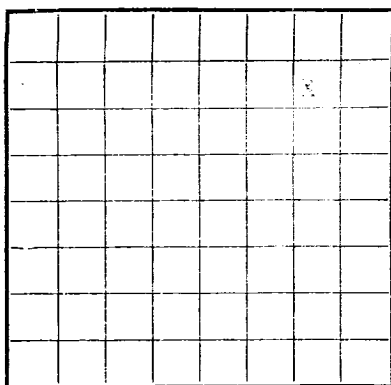


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079001-A
LEASE OR PERMIT TO PROSPECT _____

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 297, Farmington, New Mexico
Lessor or Tract Howell Field Blanco State New Mexico
Well No. 5-E Sec. 11 T. 36N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 290 ft. NK of N Line and 1045 ft. W of E Line of Section 11 Elevation 6734
(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. E. ForchertDate July 15, 1953 Title Petroleum Engineer

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

Commenced drilling May 9, 1953 Finished drilling June 7, 1953

OIL OR GAS SANDS OR ZONES

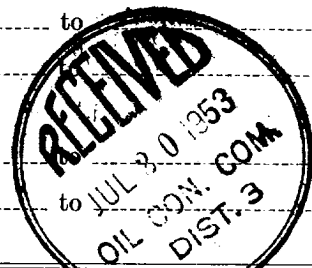
(Denote gas by G)

No. 1, from 3668 to 3731 (G) No. 4, from 5304 to 5337 (G)
No. 2, from 5339 to 5640 (G) No. 5, from _____ to _____
No. 3, from 5640 to 5904 (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
							From—	To—	
<u>5 1/2</u>	<u>25.4</u>	<u>8</u>	<u>Armed</u>	<u>140</u>	<u>Armed</u>				<u>Surface</u>
<u>7</u>	<u>40</u>	<u>8</u>	<u>Armed</u>	<u>1065</u>	<u>Armed</u>				<u>Prod. 1-6</u>
<u>2</u>	<u>4.7</u>	<u>8</u>	<u>Young</u>	<u>1828</u>	<u>Young</u>				<u>Prod. 1-6</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 1/2</u>	<u>170</u>	<u>125</u>	<u>Circulated</u>		
<u>7</u>	<u>5475</u>	<u>303</u>	<u>Single stage</u>		

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
<u>8 in.</u>	<u>Reg.</u>	<u>S. N. G.</u>	<u>1465</u>	<u>6-8</u>	<u>5573-6133</u>	<u>6133</u>

TOOLS USED

Gas Circulation

Rotary tools were used from 0 feet to 5175 feet, and from 5475 feet to 6133 feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 7, 1953 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 3,180,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1113

EMPLOYEES

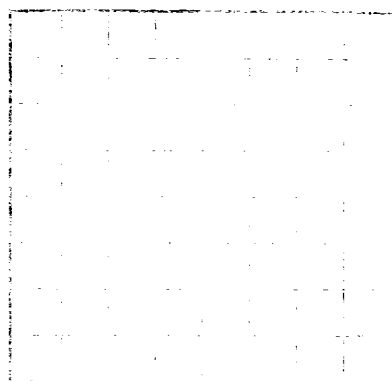
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>780</u>	<u>780</u>	<u>Tan coarse-grn. ss. w/ thin sh. breaks.</u>
<u>780</u>	<u>1435</u>	<u>705</u>	<u>Variieg. sh. w/ thin ss. breaks.</u>
<u>1435</u>	<u>2600</u>	<u>1115</u>	<u>Tan to gry. coarse-grn. ss. interbedded w/ gry sh.</u>
<u>2600</u>	<u>2788</u>	<u>188</u>	<u>Ojo Alamo ss. White coarse-grn. sand. T/ Ojo Alamo 2600.</u>
<u>2788</u>	<u>3316</u>	<u>528</u>	<u>Mirtland Fm. Gry. sh. interbedded w/ tight gry fine-grn. ss. T/ Mirtland 2788.</u>
<u>3316</u>	<u>3669</u>	<u>353</u>	<u>Fruitland Fm. Gry. carb. sh. scattered coals & gry. tight, fine-grn. ss. T/ Fruitland 3316.</u>
<u>3669</u>	<u>3731</u>	<u>62</u>	<u>Pictured Cliffs Fm. Gry. fine-grn. tight vari-colored soft ss. T/ Pictured Cliffs 3669.</u>
<u>3731</u>	<u>3559</u>	<u>1828</u>	<u>Lewis Fm. Gry. to wh. dense sh. w/ silty to</u>

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



The information given in this report is a complete and correct record of the work done during the period shown and all available records of the work done during the period shown are attached to this report.

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

OIL OR GAS SANDS OR ZONES

(b) ed 200 store(1)

No. 8 from _____ to _____
No. 7 from _____ to _____
No. 6 from _____ to _____

IMPORTANT WATER SANDS

from 80% to 90% from 70% to 80%

CASING RECORD

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

HISTORY OF OIL OR GAS WELL

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

SLURRY AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Material	Size	Length	Depth and
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SHOOTING RECORD

[illegible]

TOOLS USED

..... foot to	 foot and from	 foot to	 foot and from
..... foot to	 foot and from	 foot to	 foot and from

DATE

It was well on ft. per 24 hours. The transmission of 8% water and 8% sediment for the first 24 hours was	first to producing a turbidity of 100. The turbidity of fluid of which 10% was oil, Gravity 1.04. Millions resins per 1,000 cu. ft. of gas
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EMPLOYEES

	Dinner	
	Dinner	

FORMATION RECORD

FROM	TO	DATE	CONTAINER