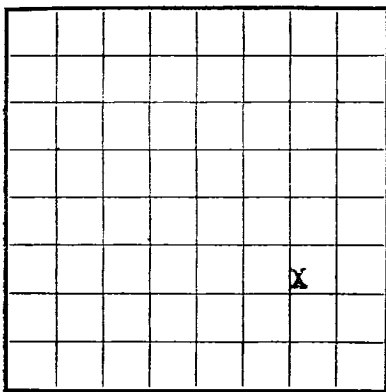
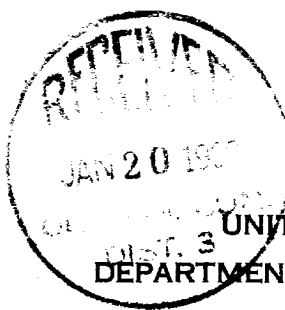




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe**SERIAL NUMBER **080472-1**

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY 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 Tonkin Federal Field So. Blanco PC Ext. State New Mexico
Well No. 4 Sec 18 T. 24N R. 3W Meridian N.M.P.M. County Rio Arriba
Location 1500 ft. N. of S Line and 990 ft. W. of E Line of Section 18 Elevation 6946
(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 H.E. McANALLY
Signed _____

Date January 15, 1960 Title Petroleum Engineer

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

Commenced drilling 11-7, 19 59 Finished drilling 11-12, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3050 to 3105 (a) 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—	
<u>9 5/8</u>	<u>26</u>	<u>10</u>	<u>Grade "A"</u>	<u>126</u>	<u>Circulated</u>				<u>Surface</u>
<u>5 1/2</u>	<u>31</u>	<u>10</u>	<u>Grade "A"</u>	<u>100</u>	<u>Single Stg</u>				<u>Prod. Tbg.</u>
<u>1 1/4</u>	<u>2.4</u>	<u>10</u>	<u>Grade "A"</u>	<u>3079</u>					<u>Prod. Tbg.</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9 5/8</u>	<u>135</u>	<u>126</u>	<u>Circulated</u>		
<u>5 1/2</u>	<u>313</u>	<u>100</u>	<u>Single Stg</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>See Well History</u>			

TOOLS USED

Rotary tools were used from 0 feet to 3135 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-21, 19 59 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 1,481,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 988 A.O.F. = 1505 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2625</u>	<u>2625</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>2625</u>	<u>2729</u>	<u>104</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2729</u>	<u>2942</u>	<u>213</u>	<u>Kirtland form. Gry sh interbedded w/tight gry</u>
<u>2942</u>	<u>3050</u>	<u>108</u>	<u>fine-grn ss.</u>
<u>3050</u>	<u>3105</u>	<u>55</u>	<u>Fruitland form. Gry carb sh, scattered coals,</u>
<u>3105</u>	<u>3135</u>	<u>30</u>	<u>coals and gry, tight, fine-grn ss.</u>
			<u>Pictured Cliffs form. Gry, fine-grn, tight,</u>
			<u>varicolored soft ss.</u>
			<u>Lewis formation. Gry to white dense sh</u>
			<u>w/silty to shaly ss breaks.</u>

