

Santa Fe

U. S. LAND OFFICE 67-201-A

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company E. Paso Natural Gas Company Address Box 107, Farmington, New Mexico
Lessor or Tract Middle Field Blanco State New Mexico
Well No. 3-A Sec. 24 T. 30N R. 1W Meridian S. 10N County San Juan
Location 800 ft. N. of S Line and 1020 ft. E. of W Line of Section 24 Elevation 5720'
(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 G. L. Zalloch Title Petroleum Engineer
Date February 21, 1955

The summary on this page is for the condition of the well at above date.
Commenced drilling December 31, 1953 Finished drilling January 23, 1955

OIL OR GAS SANDS OR ZONES					
(Denote gas by G)					
No. 1, from	<u>2422</u>	to	<u>2530 (G)</u>	No. 4, from	<u>4616</u> to <u>4735 (G)</u>
No. 2, from	<u>4052</u>	to	<u>4210 (G)</u>	No. 5, from	
No. 3, from	<u>4210</u>	to	<u>4616 (G)</u>	No. 6, from	

IMPORTANT WATER SANDS					
No. 1, from		to		No. 3, from	
No. 2, from		to		No. 4, from	

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 7/8</u>	<u>36</u>	<u>3</u>	<u>J-55</u>	<u>150</u>	<u>Lucas</u>				Surface
<u>4 1/2</u>	<u>23</u>	<u>3</u>	<u>J-55</u>	<u>4005</u>	<u>Lucas</u>				From Cas.
<u>2 1/2</u>	<u>4.7</u>	<u>3</u>	<u>Youngstown</u>	<u>4745</u>					Prod. Tot.

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5 7/8</u>	<u>156</u>	<u>125</u>	<u>Circulated</u>		
<u>4</u>	<u>4015</u>	<u>50</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>See well history</u>						

TOOLS USED
Rotary tools were used from 0 feet to 4015 feet, and from 4015 feet to 4735 feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES
_____ January 24, 1955 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 4,332,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1912

EMPLOYEES
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
	<u>457</u>	<u>457</u>	<u>San cr-grn ss w/thin sh breaks.</u>
<u>457</u>	<u>1320</u>	<u>473</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1320</u>	<u>1450</u>	<u>304</u>	<u>San to gry cr-grn ss interbedded w/gry sh.</u>
<u>1450</u>	<u>2041</u>	<u>130</u>	<u>Ojo Alamo ss. white cr-grn s. Tops 1320'.</u>
		<u>5.1</u>	<u>Kirtland formation. Gry sh interbedded w/tight</u>
<u>2041</u>	<u>2422</u>		<u>gry fine-grn ss. Tops 1450'.</u>
		<u>301</u>	<u>Fruitland form. Gry carb ss, scattered coals coal</u>
<u>2422</u>	<u>2530</u>		<u>and gry, tight, fine-grn ss. Tops 2041'.</u>
		<u>107</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, vari-</u>
<u>2530</u>	<u>4052</u>		<u>colored soft ss. Tops 2422'.</u>
		<u>1522</u>	<u>Levis formation. Gry to white dense sh w/silty t</u>
<u>4052</u>	<u>4210</u>		<u>snaly ss breaks & Tops 2530'.</u>
		<u>158</u>	<u>Cliff House ss. Gry, fine-grn, dense sil ss.</u>
<u>4210</u>	<u>4616</u>		<u>Tops 4052'.</u>
		<u>406</u>	<u>Kenfee form. Gry, fine-grn s, carb sh and coal.</u>
<u>4616</u>	<u>4735</u>		<u>Tops 4210'.</u>
		<u>109</u>	<u>Point Locout form. Gry, very fine sil ss w/</u>
			<u>frequent sh breaks. Tops 4616'.</u>

FORMATION RECORD—Continued

[illegible]

HISTORY OF OIL OR GAS WELL

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 bailing.

January 21, 1955 Sand-oil fractured Cliff House from 4015' to 4250' with 3000 gallons oil and 1000# sand. BOP 1000#, maximum pressure 3000#, IF 3 bbls./min. Natural gas 0.8 MCF.

January 24, 1955 sand-oil fractured joint breakout from 4500' to 4765' with 15,650 gallons #2 diesel oil and 14,300# sand. Breakdown pressure 1500#, maximum pressure 1500#. Injection rate 200 bbls./min. Natural gas 112 MCF.