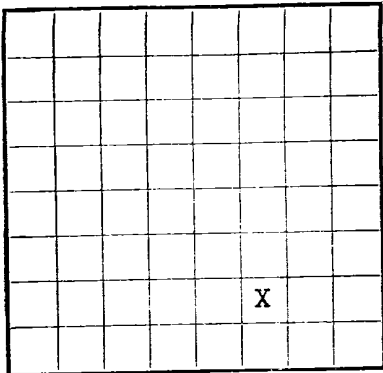


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079319
LEASE OR PERMIT TO PROSPECT _____



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 Schwerdtfeger Field So. Blanco P.C. State New Mexico
Well No. 4-A Sec. 6 T. 27N R. 8W Meridian NMPM County San Juan
Location 990 ft. (N.) of S. Line and 1800 ft. (W.) of E. Line of Section 6 Elevation 6786'
(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 W. F. Court

Date November 14, 1955 Title Petroleum Engineer

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

Commenced drilling 9-23-55, 19____ Finished drilling 10-18-55, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2895 to 2940 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—	
<u>9 5/8"</u>	<u>25.4#</u>	<u>P.E.</u>	<u>S.W.</u>	<u>121'</u>	<u>Howco</u>				<u>Surface</u>
<u>7"</u>	<u>20#</u>	<u>8 RD</u>	<u>J-55</u>	<u>2886'</u>	<u>Baker</u>				<u>Prod. Log.</u>
<u>1"</u>	<u>1.68#</u>	<u>10 RD</u>	<u>Std. Blk.</u>	<u>2937'</u>					<u>Prod. Log.</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>132'</u>	<u>100</u>	<u>Circulated</u>		
<u>7"</u>	<u>2896'</u>	<u>150</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 2912 feet, and from _____ feet to _____ feet
Cable tools were used from 2912 feet to 2950 feet, and from _____ feet to _____ feet

DATES

10-19-55, 19____ 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 3,042,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 832

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>887</u>	<u>887</u>	<u>Tan cr-grn ss w/thin sh breaks.</u>
<u>887</u>	<u>1590</u>	<u>703</u>	<u>Variegated sh w/thin ss breaks.</u>
<u>1590</u>	<u>1865</u>	<u>275</u>	<u>Tan to gry cr-grn ss interbedded w/gry sh.</u>
<u>1865</u>	<u>2034</u>	<u>169</u>	<u>Ojo Alamo ss. White cr-grn s.</u>
<u>2034</u>	<u>2695</u>	<u>661</u>	<u>Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.</u>
<u>2695</u>	<u>2695</u>	<u>200</u>	<u>Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.</u>
<u>2895</u>	<u>2940</u>	<u>45</u>	<u>Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.</u>
<u>2940</u>	<u>2950 T.D.</u>	<u>10</u>	<u>Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.</u>

FORMATION RECORD—Continued

[illegible]

HISTORY OF OIL OR GAS WELL

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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 baffing.

October 18, 1955. Total Depth 2950'. Water fractured Pictured Cliffs. Interval 2896' - 2950' treated down casing with 18,500 gallons water and 24,600# regular sand. Breakdown pressure 2300 psi, maximum treating pressure 1800 psi, Average treating pressure 1500 psi. Average injection rate 37.5 bbls./min. Flush 5050 gallons water. Natural gage 186 MCF/D.

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