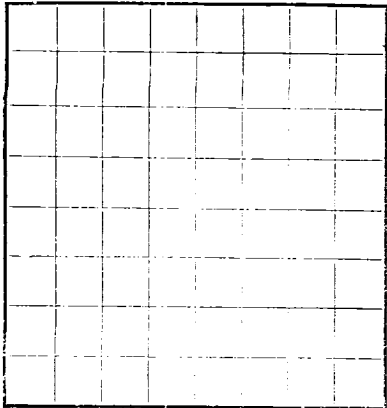




LOCATE WELL CORRECTLY

COPY TO G-107
NOTED
NOV 14 1961
STANLEY

Budget Bureau No. 42-R-353.3.
Approval expires 12-31-55.

U. S. LAND OFFICE New Mexico
SERIAL NUMBER NM-0569
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company LEONARD OIL COMPANY Address P.O. BOX 400 - ROSSELL, N.M.
Lessor or Tract Federal land Field Justin Fasselmar State New Mexico
Well No. 11 Sec. 31 T. 25S R. 3E Meridian N.M.P.M. County Lea
Location 1810 ft. S. of N. Line and 100 ft. W. of E. Line of Sec. 31 Elevation 7043 M
(elevation 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 ORIGINAL SIGNED BY
ROBERT J. LEONARD
Date October 1961 Title PRESIDENT

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

Commenced drilling August 11 1961 Finished drilling September 11 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5215 to 5227 No. 4, from _____ to _____
No. 2, from 5203 to 5211 No. 5, from _____ to _____
No. 3, from 5212 to 5222 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>2 1/2 in.</u>	<u>27.00</u>	<u>8</u>	<u>CP&I</u>	<u>50</u>	<u>Box</u>	<u>Paulman</u>			<u>Surface</u>
<u>2 in.</u>	<u>23.00</u>	<u>8</u>	<u>CP&I</u>	<u>5250</u>	<u>Guide</u>				<u>Production</u>
<u>1 1/2 in.</u>	<u>11.50</u>	<u>8</u>	<u>CP&I</u>	<u>1450</u>	<u>Guide</u>				<u>Liner</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>2 in.</u>	<u>515</u>	<u>450</u>	<u>Pump & plug</u>		
<u>2 in.</u>	<u>5250</u>	<u>350</u>	<u>Pump & plug</u>		
<u>1 1/2 in.</u>	<u>4000</u>	<u>150</u>	<u>Pump & plug</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

TOOLS USED

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

DATES

_____, 19____ Put to producing August 10 1961

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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. Elliott, Driller G. J. Ford, Driller
R. W. Knight, Driller T. J. Devitt, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>110</u>	<u>110</u>	<u>Sand & Gravel</u>
<u>110</u>	<u>702</u>	<u>702</u>	<u>Red Bed</u>
<u>702</u>	<u>1010</u>	<u>140</u>	<u>Shale</u>
<u>1010</u>	<u>2195</u>	<u>1185</u>	<u>Salt & Anhydrite</u>
<u>2195</u>	<u>2400</u>	<u>205</u>	<u>Anhydrite</u>
<u>2400</u>	<u>3165</u>	<u>765</u>	<u>Anhydrite & sand</u>
<u>3165</u>	<u>3350</u>	<u>185</u>	<u>Sand & shale</u>
<u>3350</u>	<u>3450</u>	<u>100</u>	<u>Shale & Dolomite</u>
<u>3450</u>	<u>4180</u>	<u>1050</u>	<u>Dolomite</u>
<u>4180</u>	<u>5030</u>	<u>850</u>	<u>Dolomite w. sand streaks</u>
<u>5030</u>	<u>5200</u>	<u>170</u>	<u>Silt shale</u>
<u>5200</u>	<u>5190</u>	<u>10</u>	<u>Dolomite & sand</u>
<u>5190</u>	<u>5420</u>	<u>230</u>	<u>Dolomite</u>
<u>5420</u>	<u>5935</u>	<u>515</u>	<u>Dolomite & shale</u>
<u>5935</u>	<u>6000</u>	<u>65</u>	<u>Dolomite</u>
			TOPS:
			<u>T/Anhydrite</u> <u>510</u>
			<u>T/Yates</u> <u>2470</u>
			<u>T/Queen</u> <u>3040</u>
			<u>T/Tenrose</u> <u>3165</u>
			<u>T/San Andres</u> <u>3630</u>
			<u>T/Glorieta</u> <u>4680</u>
			<u>T/Elmberg</u> <u>5130</u>
			<u>T/Tulsa</u> <u>5420</u>
			<u>T/Fasselmar</u> <u>6000</u>

NOTED
NOV 14 1961
STANDARD

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.

HISTORY OF OIL OR GAS WELL

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