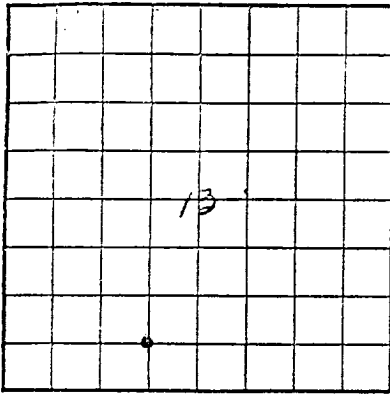


U. S. LAND OFFICE Las Cruces  
 SERIAL NUMBER 66294  
 LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Leonard Oil Company Address P. O. Box 572, Roswell, New Mexico  
 Lessor or Tract Federal Field Co. Leonard (1st) State New Mexico  
 Well No. 4 Sec. 13 T. 26S R. 37E Meridian S.M.R. County Lea  
 Location 600 ft. (N.) of S. Line and 1200 ft. (E.) of W. Line of Sec. 13 Elevation 3,000  
(Derrick base 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 \_\_\_\_\_  
 Date September 29, 1950 Title Vice-President

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

Commenced drilling 6-26-50, 19... Finished drilling 9-11-50, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3243 to 3353 S/O No. 4, from 3412 to 3417 S/O  
 No. 2, from 3371 to 3375 G No. 5, from 3459 to 3435 S/O  
 No. 3, from 3395 to 3405 G No. 6, from 3450 to 3460 G  
 IMPORTANT WATER SANDS 3452, 3468 O String

No. 1, from 96 to 195 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from 275 to 287 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>10-3/4</u>	<u>32.40</u>	<u>8</u>	<u>How</u>	<u>29211'</u>	<u>Leads</u>				<u>Shut-in</u>
<u>10-5/8</u>	<u>28</u>	<u>8</u>	<u>How</u>	<u>1137'</u>	<u>Leads</u>				<u>Pulled</u>
<u>8</u>	<u>20</u>	<u>8</u>	<u>How</u>	<u>3236'</u>	<u>Leads</u>				<u>Production</u>
<u>8</u>	<u>15.75 tubing</u>	<u>8</u>	<u>How</u>	<u>3320'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-5/8</u>	<u>1137'</u>	<u>20 sack cement</u>	<u>Halliburton</u>		<u>13 sack Aquajel, 2 bales Fibertex</u>
<u>8</u>	<u>3030</u>	<u>400 sack cement</u>	<u>Halliburton</u>		<u>85 Gal</u>
<u>10-3/4</u>	<u>202'</u>	<u>100 sack cement</u>	<u>Halliburton</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</u>	<u>How</u>	<u>Nitro-Glycerine</u>	<u>40 lbs</u>	<u>9/1</u>	<u>3162'-3770'</u>	<u>10 to 3776'</u>
<u>8</u>	<u>How</u>	<u>Report 41-151</u>	<u>300 lbs</u>	<u>9/16</u>	<u>3770'-3785'</u>	<u>10 to 15 Depth 3785'</u>

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 \_\_\_\_\_, 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 3,800,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

RECEIVED  
 SEP 21 1 09 PM '50  
 SURFACE O.C.C.

FOLD MARK