

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 0610
LEASE OR PERMIT TO PROSPECTRECEIVED UNITED STATES RECEIVED
DEPARTMENT OF THE INTERIOR
DEC 22 1959
GEOLOGICAL SURVEY
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO
O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company LEONARD OIL COMPANY Address P.O. BOX 708 - ROSWELL, NEW MEXICO
Lessor or Tract Federal-Hagerty Field W. Henshaw Grayburg State New Mexico
Well No. 9 Sec. 7 T. 16-S. 30-N Meridian N.M.P.M. County Eddy
Location 660 ft. N. of S. Line and 1900 Ex of E. Line of Sec. 7 Elevation 3757
(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 ORIGINAL SIGNED BY
ROBERT J. LEONARD
Title PRESIDENT

Date December 21, 1959

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

Commenced drilling Oct. 19, 1959 Finished drilling Nov. 18, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2675 to 2696 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 1935 to 1965 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>8 5/8</u>	<u>24</u>	<u>8</u>	<u>CF&I</u>	<u>522</u>	<u>Tex. Pattern</u>				<u>Surface</u>
<u>7</u>	<u>20</u>	<u>8</u>	<u>CF&I</u>	<u>1987</u>	<u>1856 Surface</u>				<u>Intermediate</u>
<u>5 1/2</u>	<u>16</u>	<u>8</u>	<u>CF&I</u>	<u>1477</u>	<u>1477</u>				<u>Production</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>522</u>	<u>50</u>	<u>Plug</u>		<u>0</u>
<u>7</u>	<u>1987</u>	<u>0</u>			<u>Set & Pulled</u>
<u>5 1/2</u>	<u>2675</u>	<u>82</u>	<u>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
<u>Treated w/28,450 gals oil & 42,000# sand.</u>						

TOOLS USED

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

Cable tools were used from 0 feet to 2696 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing December 20, 1959

The production for the first 24 hours was 40 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % 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

Bailey, Driller Grissom, DrillerWalker, Driller Bowen, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION	
0	10	10	Caleche	TOPS:
10	60	50	R. Bed	Yates 1148'
60	70	10	Red Sand	Queen 1933'
70	100	30	Sand	San Andres 2692'
100	235	135	Red Bed	
235	345	110	Red Shale & Sand	
345	365	20	Sandy Shale	
365	405	40	Sand	
405	425	20	Anhy	
425	270	45	Red Bed	
470	475	5	Anhy	
475	495	20	Red Bed & Anhy	
495	519	24	Salt	
519	530	11	Salt anhy	
530	940	410	Salt	
940	990	50	Broken sale	
990	1005	15	Anhy	
1005	1050	45	Anhy & Shale	
1050	1140	90	Anhy	
1140	1185	45	Anhy & Shale	
1185	1205	20	Sand	
1205	1280	75	Anhy & Shale	
1280	1935	655	Anhy	
1935	1962	27	Sand	
1962	2160	198	Anhy	
2160	2193	33	Anhy & Sand	

(OVER)

16-43094-3

The information given in this log is a compilation of the records of the well and its work from the time it was first drilled to the present. It is intended to be a permanent record of the well and its work, and it is to be kept up to date as the well is worked.

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 result of pumping or failing.

THE PRESIDENT
ROBERT J. LEWIS
ORIGINAL SIGNED BY

CHIEF OF GAS SALES OR ZONES
J. H. BROWN

WELL DEPTH WITH WATER
20.0 from

CASING RECORD
20.0 from

HISTORY OF OIL OR GAS WELL
10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM—		TO—		TOTAL FEET		FORMATION	
2697	TD	2697	42	42		Any	
2689		2689	10	10		Sand brown	
2662		2689	30	30		Any	
2659		2662	15	15		Any & Shale	
2651		2651	75	75		Any	
2646		2651	10	10		Any	
2640		2646	10	10		Lime	
2600		2640	35	35		Any & red rock	
2555		2600	25	25		Lime	
2530		2555	25	25		Any & red rock	
2505		2530	25	25		Lime	
2470		2505	25	25		Any & red rock	
2445		2470	25	25		Any	
2420		2445	25	25		Any	
2410		2420	10	10		Any & red rock	
2375		2410	10	10		Lime	
2365		2375	10	10		Any	
2290		2365	75	75		Any	
2275		2290	15	15		Any & Shale	
2245		2275	30	30		Any	
2235		2245	10	10		Sand brown	
2193		2235	42	42		Any	