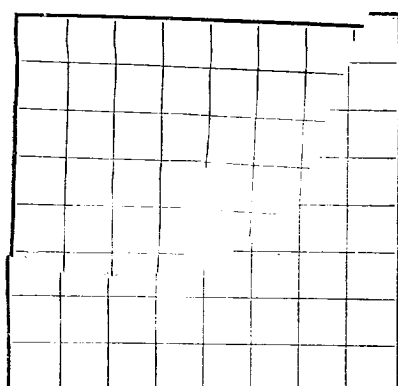


U. S. LAND OFFICE New Mexico  
SERIAL NUMBER 0610  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company **LEONARD OIL COMPANY** Address **Box 708 - Roswell, New Mexico**  
 Lessor or Tract **Federal-Hagerty** Field **West Henshaw-Grayburg Ext.** State **New Mexico**  
 Well No. **5** Sec. **18** T. **16S** R. **30E** Meridian **N.M.P.M** County **Eddy**  
 Location **660** ft. <sup>(N.)</sup> of **S** Line and **660** ft. <sup>(E.)</sup> of **E** Line of **Section 18;** Elevation **3765**  
(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 \_\_\_\_\_

Date 1-20-58 Title President

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

Commenced drilling 12-9-57, 1957 Finished drilling 12-22-57, 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

(Denote gas by G)

No. 1, from <u>2763</u> to <u>2783</u>	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

[illegible]

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	33#	150 sx (Denton)			
7	20#	150 sx (Denton)			

## 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
Treated	perf.	2765-80'	with 20,000 gal's oil and	30,000# Sand		
RESULT:	Well pump	40 BOPD after	recovered load			

## TOOLS' USED

Rotary tools were used from 0 feet to 10 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

-----, 19----- Put to producing -----**January 20**-----, 19-**58**

The production for the first 24 hours was -----**40**----- barrels of fluid of which **100**-----% 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

<del>R.L. Hoover</del>	, Driller	<del>J.D. Smith</del>	, Driller
<del>T.V. Smith</del>	, Driller		, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	70	70	Clay Shells & Sand
70	334	264	Red Beds & Gyp Shells
334	418	84	Anhydrite & Red Shale
418	427	9	Anhydrite
427	715	288	Shale & Shells
715	1116	401	Salt & Shale
1116	1914	798	Anhydrite & Gyp
1914	2010	96	Anhydrite & Sand
2010	2060	50	Anhydrite
2060	2124	64	Anhydrite & Gyp
2124	2481	357	Anhydrite
2481	2646	165	Lime
2646	2691	45	Anhydrite & Red Sand
2691	2739	48	Anhydrite & Sand
2739	2790	51	CORE #1 ( See attached)
2790	2815	25	Lime
	TD		
			TOPS:
			Queen 1990'
			SA 2785'

TOPS:  
Queen 1990'  
SA 2785'

**FORMATION RECORD—Continued**

FROM—	TO—	TOTAL FEET	FORMATION

### 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 bailing.