



U. S. LAND OFFICE New Mexico  
SERIAL NUMBER 0569  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company LEONARD OIL COMPANY Address Box 708, Roswell, New Mexico  
Lessor or Tract Ginsberg #4 Field Wildcat State New Mexico  
Well No. 21 T. 25S R. 38E Meridian N.M.P.M. County Lea  
Location 660 ft. N of S Line and 660 ft. E of W Line of Section 21 Elevation 3119 DF

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.

Date May 3, 1954 Signed [Signature] Title President

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

Commenced drilling March 8, 1954 Finished drilling April 27, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)  
No. 1, from 3817 to 3825 (0) 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 640 to 707 No. 3, from 771 to 795  
No. 2, from 730 to 740 No. 4, from 800 to 838

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12-1/2	33#			152					
10-3/4	32#			752		TD			
8-5/8	24#			1385					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12-1/2	152	100	Halliburton		
10-3/4	759	—	Halliburton		25 sx Aquajel
8-5/8	1385	50	Halliburton		12 sx

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 0 feet to TD feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

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

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

O. J. Mathes, Driller L. H. Horner, Driller  
T. H. Wolfla, Driller Clarence Roach, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	14	14	Caliche
14	100	86	Red Sand
100	120	20	Sand
120	125	5	Red Rock
125	138	13	Yellow Clay
138	600	462	Red Rock
600	606	6	Shell & Sand
606	610	4	Hard Sand
610	640	30	Sand
640	707	67	Sand - WATER
707	710	3	Red Rock
710	722	12	Water Sand
722	726	4	Red Rock
726	730	4	Lime
730	740	10	Sand - WATER
740	742	2	Sand
742	757	15	Red Shale
757	765	8	Red Rock
765	771	6	Lime
771	795	24	Sand - WATER
795	800	5	Shale, Red
800	838	38	Sand - WATER
838	855	17	Red Shale
855	869	14	Sandy Red Rock
869	885	16	Red Rock

FOLD MARK

