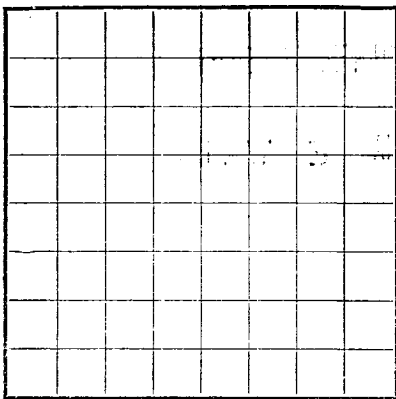


U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **0933**
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **LEONARD OIL COMPANY** Address **Box 706, Roswell, New Mexico**
Lessor or Tract **Hobbs #1** Field **Wildcat** State **New Mexico**
Well No. **1** Sec. **13** T. **15S** R. **30E** Meridian **N.M.P.M.** County **Chaves**
Location **1980** ft. **N.** of **S.** Line and **330** ft. **E.** of **E.** Line of **13** Elevation **4457-01**
(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 **Robert J. Leonard**
Date **April 27, 1955** Title **Robert J. Leonard, President**

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

Commenced drilling **March 27**, 19**55** Finished drilling **April 25**, 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **(0) 3064'** to _____ 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
12-3/4	33			225'					
8-5/8	24			1339'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
12-3/4	225	250	(Benton Cementing)		
8-5/8	1339	25			(100 lbs. mud-10 lbs. oil)

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 **0** feet to **1339** feet, and from _____ feet to _____ feet
Cable tools were used from **1339** feet to **3230 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

Younger, Driller **Burrows**, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	220	220	Caliche
220	421	201	Red Beds
421	638	217	Gyp
638	740	102	Red Beds
740	860	120	Gyp
860	1074	214	Red Beds
1074	1339	265	Red Beds & Anhydrite Shells
1339	1350	6	Anhydrite
1350	1360	5	Anhydrite & Red Beds
1360	2110	760	Salt
2110	2175	65	Anhydrite & Red Beds
2175	2225	50	Anhydrite
2225	2275	50	Red Beds & Anhydrite & Red Beds
2275	2300	109	Red Beds
2300	2400	20	Red Beds
2400	2450	50	Red Beds
2450	2480	30	Red Beds
2480	2500	20	Red Beds
2500	2530	30	Red Beds
2530	2570	40	Red Beds
2570	2600	30	Red Beds
2600	2630	30	Red Beds
2630	2670	40	Red Beds
2670	2700	30	Red Beds
2700	2730	30	Red Beds
2730	2760	30	Red Beds
2760	2790	30	Red Beds
2790	2820	30	Red Beds
2820	2850	30	Red Beds
2850	2880	30	Red Beds
2880	2900	20	Red & Gray Sand

FROM—

TO—

TOTAL FEET

(OVER)

FORMATION

16-43094-3

FORMATION RECORD—CONTINUED

U.S. LAND OFFICE
GENERAL NUMBER
LAND IN PUBLIC DOMAIN

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOW CAN WE GO TO SOL

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
28.20	28.00	20	Bed of Creek
28.00	27.95	5	Bed of Creek
27.95	27.90	5	Bed of Creek
27.90	27.85	5	Bed of Creek
27.85	27.80	5	Bed of Creek
27.80	27.75	5	Bed of Creek
27.75	27.70	5	Bed of Creek
27.70	27.65	5	Bed of Creek
27.65	27.60	5	Bed of Creek
27.60	27.55	5	Bed of Creek
27.55	27.50	5	Bed of Creek
27.50	27.45	5	Bed of Creek
27.45	27.40	5	Bed of Creek
27.40	27.35	5	Bed of Creek
27.35	27.30	5	Bed of Creek
27.30	27.25	5	Bed of Creek
27.25	27.20	5	Bed of Creek
27.20	27.15	5	Bed of Creek
27.15	27.10	5	Bed of Creek
27.10	27.05	5	Bed of Creek
27.05	27.00	5	Bed of Creek
27.00	26.95	5	Bed of Creek
26.95	26.90	5	Bed of Creek
26.90	26.85	5	Bed of Creek
26.85	26.80	5	Bed of Creek
26.80	26.75	5	Bed of Creek
26.75	26.70	5	Bed of Creek
26.70	26.65	5	Bed of Creek
26.65	26.60	5	Bed of Creek
26.60	26.55	5	Bed of Creek
26.55	26.50	5	Bed of Creek
26.50	26.45	5	Bed of Creek
26.45	26.40	5	Bed of Creek
26.40	26.35	5	Bed of Creek
26.35	26.30	5	Bed of Creek
26.30	26.25	5	Bed of Creek
26.25	26.20	5	Bed of Creek
26.20	26.15	5	Bed of Creek
26.15	26.10	5	Bed of Creek
26.10	26.05	5	Bed of Creek
26.05	26.00	5	Bed of Creek
26.00	25.95	5	Bed of Creek
25.95	25.90	5	Bed of Creek
25.90	25.85	5	Bed of Creek
25.85	25.80	5	Bed of Creek
25.80	25.75	5	Bed of Creek
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25.25	25.20	5	Bed of Creek
25.20	25.15	5	Bed of Creek
25.15	25.10	5	Bed of Creek
25.10	25.05	5	Bed of Creek
25.05	25.00	5	Bed of Creek
25.00	24.95	5	Bed of Creek
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24.85	24.80	5	Bed of Creek
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24.75	24.70	5	Bed of Creek
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24.35	24.30	5	Bed of Creek
24.30	24.25	5	Bed of Creek
24.25	24.20	5	Bed of Creek
24.20	24.15	5	Bed of Creek
24.15	24.10	5	Bed of Creek
24.10	24.05	5	Bed of Creek
24.05	24.00	5	Bed of Creek
24.00	23.95	5	Bed of Creek
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23.75	23.70	5	Bed of Creek
23.70	23.65	5	Bed of Creek
23.65	23.60	5	Bed of Creek
23.60	23.55	5	Bed of Creek