

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **068960**

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 **Federal-Folk** Field **Anderson (Ext)** State **New Mexico**
Well No **2-Folk** Sec. **8** T. **17S** R. **29E** Meridian **N.M.P.M.** County **Eddy**
Location **1650** ft. **N** of **N** Line and **330** ft. **E** of **W** Line of **Section 8;** Elevation **3645** ft. (surface 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

Title **Robert J. Leonard, President.**Date **July 30, 1956**

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

Commenced drilling **June 23**, 19**56** Finished drilling **July 27**, 19**56**OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **1125** to **1137** No. 4, from **2250** to
No. 2, from **1865** to **1879** No. 5, from **2370** to
No. 3, from **2012 (G)** to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from **120** 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—	
8-5/8	24#			329					Surface String
7"	20#			2407					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	329	50 sz Neat cement & 2 sz Calcium Chloride (Work by Denton)			
7"	2407	100 sz Pozmix (Work by 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 with 10,000 gallons sand oil and 12,000# sand (Halliburton), after perforating 2366-86 (six shots per foot); increased production from show of oil to 96 BOPD.						

TOOLS USED

Rotary tools were used from **0** feet to **TD** 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 **96** barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. **100**

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Patterson, Driller **Pyatt**, Driller
Walker, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	40	40	Caliche
40	120	80	Anhydrite
120	225	105	Red Beds - WTR
225	235	10	Anhydrite
235	241	6	Red Beds
241	250	9	Anhydrite & Salt
250	640	390	Salt
640	650	10	Salt & Anhydrite
650	745	95	Anhydrite
745	765	20	Gyp & Lime
765	827	62	Anhydrite
827	840	13	Anhydrite & Red Shale
840	870	30	Red Shale
870	1615	745	Anhydrite - SHOW OIL 1125-37
1615	1625	10	Gray Lime
1625	1640	15	Anhydrite
1640	1650	10	Red Sand
1650	1700	50	Anhydrite
1700	1720	20	Red Sand
1720	1780	60	Anhydrite
1780	1790	10	Gray Lime
1790	1795	5	Red Sand
1795	1865	70	Anhydrite - SHOW OIL 1865-1879
1865	1885	20	Sand, fine
1885	2004	119	Anhydrite

FROM—		TO—	TOTAL FEET	FORMATION
2004	2040	2040	36	Pink Limestone - SHOW GAS 2012'
2040	2050	2050	10	Marlstone
2050	2100	2100	50	Limestone
2100	2110	2110	10	Red Rock & Anhydrite
2110	2150	2150	41	Limestone
2151	2250	2250	108	Gray Sand - SHOW OIL 2250
2259	2350	2350	90	Limestone
2353	2390	2390	17	Brown Limestone - SHOW OIL 2370
2370	2390	2390	25	Sand
2395	2400	2400	7	Limestone & Shale
2402	2410	2410	8	White Limestone
B/S	642			
T/I	827			
T/S	1630			

HISTORY OF OIL OR GAS WELL

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 "shetracked" 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.