Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

COPY TO O. C. C.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 068960
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED NOV [illegible] 1953

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Harry Leonard Address Box 872, Roswell, New Mexico
Lessor or Tract Field Cave (Ext) State New Mexico
Well No. Harry Leonard-Federal-Folk 1 Sec. 17 T. 17S R. 29E Meridian N.M.P.M. County Eddy
Location 1980 ft. N. of S Line and 660 ft. E. of W Line of Section 17 Elevation 3659 DF (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 Harry Leonard
Harry Leonard
Title Operator

Date November 3, 1953

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

Commenced drilling September 9, 1953 Finished drilling October 6, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 1941 to 1946 G -300,000 EST No. 4, from to
No. 2, from 1941 to 1946 O very small show No. 5, from to
No. 3, from 2135 to 2150 G small inc. No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 2388 to 2397 No. 3, from to
No. 2, from to (1-1/4 BLRS PH) No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8-5/8"	28#		New	247					surface string
5-1/2"	14#		[illegible]	1920					[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	247	50	Baroid Oil Well Cementing Co.		
5-1/2"	1920	150	" "		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

TREATING & HYDRO-FRAC ~~SHOOTING~~ RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Washed hole w/	200 Gals [illegible]	10-15-53	1920-2160	SEE REMARKS END OF LOG ON PLUG BACK RECORD
		Treated w/HYDRO-FRAC	1000 Gal	10-28-53	1920-50	" "

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

, 19 Put to producing SHUT-IN, 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 300,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in.

EMPLOYEES

Roach, Driller Spencer, Driller
Burrows, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Caliche
20	100	80	[illegible]
100	135	35	[illegible] Rock
135	145	10	Anhydrite
145	160	15	[illegible] & Anhydrite
160	190	30	Anhydrite
190	220	30	[illegible] Beds & Shale
220	240	20	[illegible] Beds & Sand
240	248	8	Anhydrite
248	300	52	[illegible] Rock
300	710	410	[illegible]
710	715	5	Anhydrite
715	770	[illegible]	[illegible] & Red Rock
770	895	125	[illegible]
895	900	5	[illegible]
900	[illegible]	[illegible]	[illegible]
[illegible]	945	[illegible]	[illegible]
945	955	10	[illegible]
955	1035	80	[illegible] & Red Rock
1035	1120	85	Anhydrite
1120	1135	15	[illegible] & Red Rock
1135	1700	565	[illegible]
1700	1710	10	[illegible] Shale
1710	1725	15	[illegible]
1725	1850	125	Anhydrite

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1880	1905	25	Anhydrite
1905	1935	30	Sand
1935	1941	6	Anhydrite
1941	1946	5	Gyp Sand
1946	1948	2	Sand
1948	1975	27	Anhydrite
1975	1979	4	Red Sandy Shale
1979	2000	21	Anhydrite
2000	2035	35	Anhydrite & Red Rock
2035	2060	25	Anhydrite & Red Shale
2060	2085	25	Anhydrite & Red Rock
2085	2110	25	Anhydrite
2110	2115	5	Lime
2115	2135	20	Brown Lime
2135	2150	15	Grey Lime
2150	2182	32	Lime
2182	2185	3	Shale
2185	2280	95	Lime
2280	2295	15	Sandy Lime
2295	2310	15	Brown Lime
2310	2315	5	Sand
2315	2335	20	Sandy Lime
2335	2350	15	Lime
2350	2365	15	Sandy Lime
2365	2388	23	Lime
2388	2395	7	Sand
2395	2410	15	Sandy Lime
2410	2450	40	White Lime
2450	2463	13	Lime
	TD		

NOTE: Well drilled to TD 2463; Plugged back to 2168' - 55 sx cement; 10-26-53: Plugged back from 2160' to 1990' TPBD.

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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 "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.