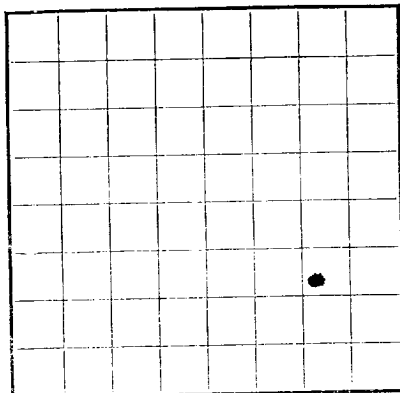


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 062384
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company LEONARD OIL COMPANY Address Box 708, Las Cruces, New Mexico
Lessor or Tract Federal - LC-062384 Field South Leonard State New Mexico
Well No. 5 Sec. 14 T. 26S R. 37E Meridian N.M.P.M. County Doña Ana
Location 1650 ft. N. of Line and 990 ft. E. of E. Line of 14 Elevation 2995
(Derrick foot 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 Title PresidentDate April 23, 1953

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

Commenced drilling March 6, 19 53 Finished drilling April 25, 19 53

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3432 to 3437 (G) 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 265 to 295 No. 3, from _____ to _____
No. 2, from 1106 to 1112 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—	
10-3/4"	32			209					Surface
8-5/8"	29			1115					Intermediate
7"	20			3369					Production
2-3/8"	4.7			3420					Tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used	
10-3/4"	209	120	Halliburton		7 cu. Aquagel	
8-5/8"	1115	75	"		10 cu. Aquagel	
7"	3360	75	"			

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

HYDRO-FRAC SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		1,500 Gal's Hydro-frac		4-23-53	3372-3437	25'

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3437 feet, and from _____ feet to _____ feet

DATES

April 23, 19 53 Put to producing April 25, 19 53The production for the first 24 hours was 60 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 30°

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Meethos, Driller Harris, Driller
Bainbridge, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	20	20	Caliche
20	140	120	Sand
140	175	35	Sandy Red Rock
175	195	20	Sand
195	209	14	Red Bed
209	255	46	Red Shale
255	265	10	Sand
265	295	30	Red Sand
295	340	45	Sand & Shells
340	395	55	Sand
395	475	80	Shale
475	530	55	Red Shale
530	570	40	Red Bed
570	615	45	Red Beds & Shells
615	645	30	Red Shale & Shell
645	665	20	Red Rock
665	695	30	Red Bed
695	725	30	Red Shale
725	760	35	Red Bed
760	785	25	Red Rock
785	805	20	Red Shale - shells
805	835	30	Red Rock
835	860	25	Red Rock
860	910	50	Red Shale

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
910	935	25	Red Rock
935	950	15	Shale & Shells
950	955	5	Red Shale
955	1075	120	Amalgamite
1075	1095	20	Amalgamite & Lime
1095	1105	10	Red Bed
1105	1109	4	Red Sand
1109	1115	6	Amalgamite
1115	1235	120	Red Rock & Salt
1235	1300	65	Salt, Shale & Potash
1300	1310	10	Salt
1310	1335	25	Amalgamite
1335	1340	5	Salt
1340	1345	5	Amalgamite
1345	1350	5	Salt
1350	1415	65	Salt & Amalgamite Shells
1415	1425	10	Salt
1425	1450	25	Amalgamite
1450	1510	60	Salt & Red Rock
1510	1550	40	Salt & Amalgamite
1550	1570	20	Amalgamite
1570	1595	25	Salt
1595	1660	65	Salt, Red Rock, Shells
1660	1720	60	Salt & Shells
1720	1735	15	Salt
1735	1757	22	Amalgamite
1757	1770	13	Salt
1770	1830	60	Amalgamite, Salt & Red Rock
1830	1835	5	Salt & Shells
1835	1945	110	Salt & Potash
1945	1975	30	Salt & Red Shale
1975	2010	35	Salt
2010	2035	25	Amalgamite
2035	2080	45	Salt & Amalgamite
2080	2110	30	Salt
2110	2155	45	Salt & Amalgamite
2155	2155	0	Amalgamite
2155	2195	40	Salt
2195	2215	20	Salt & Amalgamite
2215	2270	55	Salt
2270	2280	10	Amalgamite
2280	2410	130	Salt
2410	2450	40	Amalgamite
2450	2470	20	Lime
2470	2555	85	Broken Amalgamite
2555	2575	20	Amalgamite
2575	2605	30	Lime
2605	2635	30	Broken Amalgamite
2635	2700	65	Amalgamite
2700	2725	25	Broken Amalgamite
2725	2755	30	Amalgamite
2755	2815	60	Amalgamite & Lime
2815	2870	55	Amalgamite
2870	2895	25	Lime & Amalgamite
2895	2920	25	Amalgamite
2920	2970	50	Lime
2970	2995	25	Amalgamite
2995	3030	35	Lime
3030	3120	90	Amalgamite & Lime
3120	3170	50	Broken Lime

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.

3170	3195	25	Broken Amalgamite
3195	3225	30	Broken Amalgamite & Lime
3225	3250	25	Broken Lime
3250	3320	70	Lime
3320	3335	15	Sandy Lime
3335	3355	20	Lime
3355	3360	5	Sandy Lime
3360	3375	15	Lime
3375	3409	34	Sand
3409	3427	18	Broken Sand & Lime
3427	3437	10	Broken Lime
3437	3457	20	Sand - T.D.

