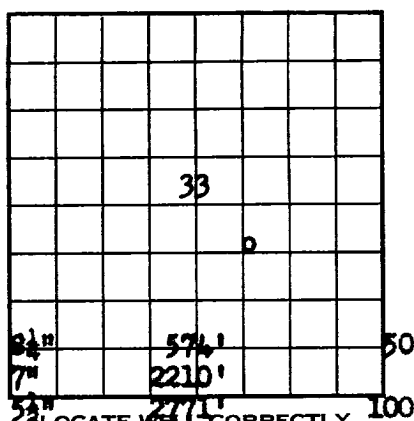


Form 9-380

U. S. LAND OFFICE L. C.
SERIAL NUMBER 058180
LEASE OR PERMIT TO PROSPECT Leonard



2771'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sanders Brothers Address Box 746, Artesia, N. M.
Lessor or Tract Leonard Field High Lonesome State New Mexico
Well No. E-3 Sec. 33 T. 16S R. 30E Meridian NMPM County Eddy
Location 1980 (N. of 1/2 Line and 1980 (E. of 1/2 Line of sec. 33 Elevation 3721
(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.
Date April 22, 1942 Signed 4/11 2858-2873 Warren
100" 2873-2911
40" 2911-2939 Bookkeeper
20" 2931-2939

The summary on this page is for the condition of the well at above date.
Commenced drilling February 22, 1942 Finished drilling April 14, 1942
2960

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

No. 1, from 2858 to 2939 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 405 to _____ No. 3, from _____ to _____
No. 2, from 2180 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—	
<u>8 1/2"</u>	<u>57 1/2'</u>	<u>50</u>							
<u>7"</u>	<u>2210'</u>								
<u>5 1/2"</u>	<u>2771'</u>	<u>100</u>							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/2"</u>	<u>57 1/2'</u>	<u>50</u>			
<u>7"</u>	<u>2210'</u>				<u>100</u>
<u>5 1/2"</u>	<u>2771'</u>	<u>100</u>			

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
		<u>N. G.</u>	<u>300 lbs</u>	<u>4/11</u>	<u>2858-2873</u>	
		<u>"</u>	<u>100 "</u>	<u>"</u>	<u>2873-2911</u>	
		<u>"</u>	<u>40 "</u>	<u>"</u>	<u>2911-2931</u>	
		<u>"</u>	<u>200 lbs USED</u>		<u>2931-2939</u>	

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 2960 feet, and from _____ feet to _____ feet

DATES

There was a good showing of Oil & Gas from 2862-2870 feet. The main pay was from 2911-2931.
The production for the first 24 hours was 12 bbls. per hour. Estimated Production on 12 hrs. test was 2 1/2 bbls. per
hour before shooting. After shot it made 20 bbls. gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Jim Byler, Driller V. A. Lane, Driller
Roy Hill, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>135</u>	<u>135</u>	<u>Red Shale</u>
<u>135</u>	<u>185</u>	<u>50</u>	<u>Red Mud</u>
<u>185</u>	<u>280</u>	<u>95</u>	<u>Sand</u>
<u>280</u>	<u>330</u>	<u>50</u>	<u>Red Rock</u>
<u>330</u>	<u>405</u>	<u>75</u>	<u>Anhydrite</u>
<u>405</u>	<u>527</u>	<u>122</u>	<u>Anhydrite Broken (Salt at 527')</u>
<u>527</u>	<u>1135</u>	<u>608</u>	<u>Salt</u>
<u>1135</u>	<u>1175</u>	<u>40</u>	<u>Anhydrite</u>
<u>1175</u>	<u>1180</u>	<u>5</u>	<u>Salt</u>
<u>1180</u>	<u>1230</u>	<u>50</u>	<u>Broken Anhydrite</u>
<u>1230</u>	<u>1340</u>	<u>110</u>	<u>Anhydrite</u>
<u>1430</u>	<u>1400</u>	<u>60</u>	<u>Broken Anhydrite</u>
<u>1400</u>	<u>1975</u>	<u>575</u>	<u>Anhydrite</u>
<u>1975</u>	<u>2010</u>	<u>35</u>	<u>Anhydrite Broken</u>
<u>2010</u>	<u>2210</u>	<u>200</u>	<u>Anhydrite</u>
<u>2210</u>	<u>2249</u>	<u>39</u>	<u>Red Sand</u>
<u>2249</u>	<u>2268</u>	<u>19</u>	<u>Grey Lime</u>
<u>2268</u>	<u>2275</u>	<u>7</u>	<u>Anhydrite & Lime</u>
<u>2275</u>	<u>2278</u>	<u>3</u>	<u>Sand Lime</u>
<u>2278</u>	<u>2335</u>	<u>57</u>	<u>Anhydrite</u>
<u>2335</u>	<u>2353</u>	<u>18</u>	<u>" & Lime</u>
<u>2353</u>	<u>2455</u>	<u>102</u>	<u>" " "</u>
<u>2455</u>	<u>2475</u>	<u>20</u>	<u>" " "</u>
<u>2475</u>	<u>2630</u>	<u>155</u>	<u>" " "</u>
<u>2630</u>	<u>2660</u>	<u>30</u>	<u>Lime</u>

FORMATION RECORD—Continued

7. 554-10

LOG OF OIL OR GAS WELL

Completed drilling ----- February 23, 1948
 Finished drilling ----- April 11, 1948

OIL OR GAS SANDS OR ZONES

(G) no zero stores(I)

No. 1. from	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. 8, from _____
 No. 2, from _____ to _____ No. 4, from _____

CASING RECORD

Case No.	Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Location	Port of origin
1	10	12	12	12	12	12	12	12	12
2	11	13	13	13	13	13	13	13	13
3	12	14	14	14	14	14	14	14	14
4	13	15	15	15	15	15	15	15	15
5	14	16	16	16	16	16	16	16	16
6	15	17	17	17	17	17	17	17	17
7	16	18	18	18	18	18	18	18	18
8	17	19	19	19	19	19	19	19	19
9	18	20	20	20	20	20	20	20	20
10	19	21	21	21	21	21	21	21	21
11	20	22	22	22	22	22	22	22	22
12	21	23	23	23	23	23	23	23	23
13	22	24	24	24	24	24	24	24	24
14	23	25	25	25	25	25	25	25	25
15	24	26	26	26	26	26	26	26	26
16	25	27	27	27	27	27	27	27	27
17	26	28	28	28	28	28	28	28	28
18	27	29	29	29	29	29	29	29	29
19	28	30	30	30	30	30	30	30	30
20	29	31	31	31	31	31	31	31	31
21	30	32	32	32	32	32	32	32	32
22	31	33	33	33	33	33	33	33	33
23	32	34	34	34	34	34	34	34	34
24	33	35	35	35	35	35	35	35	35
25	34	36	36	36	36	36	36	36	36
26	35	37	37	37	37	37	37	37	37
27	36	38	38	38	38	38	38	38	38
28	37	39	39	39	39	39	39	39	39
29	38	40	40	40	40	40	40	40	40
30	39	41	41	41	41	41	41	41	41
31	40	42	42	42	42	42	42	42	42
32	41	43	43	43	43	43	43	43	43
33	42	44	44	44	44	44	44	44	44
34	43	45	45	45	45	45	45	45	45
35	44	46	46	46	46	46	46	46	46
36	45	47	47	47	47	47	47	47	47
37	46	48	48	48	48	48	48	48	48
38	47	49	49	49	49	49	49	49	49
39	48	50	50	50	50	50	50	50	50
40	49	51	51	51	51	51	51	51	51
41	50	52	52	52	52	52	52	52	52
42	51	53	53	53	53	53	53	53	53
43	52	54	54	54	54	54	54	54	54
44	53	55	55	55	55	55	55	55	55
45	54	56	56	56	56	56	56	56	56
46	55	57	57	57	57	57	57	57	57

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 "detached" 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 piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-49084-1 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Location	Where set	Number sacks of cement	Method used	Wet gravel	Amount of mud used
100	100	100	100	100	100
100	100	100	100	100	100

PLUGS AND ADAPTERS

Adapters—lateral	Size	Length	Depth set
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SHOOTING RECORD

Size	Serial Used	Explosive used	Quantity	Date	Location	Depth cleaned out
			100	11/1	11-1-11	
			100	11/1	11-1-11	
			100	11/1	11-1-11	
			100	11/1	11-1-11	

STOOLS

Rotary tools were used from	feet to	feet and from	feet to
Other tools were used from	feet to	feet and from	feet to

DATA

10 Put to proving 10

13 MAR 1964

OUR RECORDS SHOW THAT THE FOLLOWING INDIVIDUALS WERE ARRESTED FOR VIOLATION OF THE PROHIBITION ACT DURING THE YEAR 1934:

EMPLOYEES

Driller	Driller	Driller
Driller	Driller	Driller

FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
Red shale	100	100	0
Red sand	50	150	132
Red sand	50	200	182
Red rock	50	250	230
Hydrocarbon	50	300	280
Hydrocarbon	50	350	330
Hydrocarbon	50	400	380
Hydrocarbon	50	450	430
Hydrocarbon	50	500	480
Hydrocarbon	50	550	530
Hydrocarbon	50	600	580
Hydrocarbon	50	650	630
Hydrocarbon	50	700	680
Hydrocarbon	50	750	730
Hydrocarbon	50	800	780
Hydrocarbon	50	850	830
Hydrocarbon	50	900	880
Hydrocarbon	50	950	930
Hydrocarbon	50	1000	980
Hydrocarbon	50	1050	1030
Hydrocarbon	50	1100	1080
Hydrocarbon	50	1150	1130
Hydrocarbon	50	1200	1180
Hydrocarbon	50	1250	1230
Hydrocarbon	50	1300	1280
Hydrocarbon	50	1350	1330
Hydrocarbon	50	1400	1380
Hydrocarbon	50	1450	1430
Hydrocarbon	50	1500	1480
Hydrocarbon	50	1550	1530
Hydrocarbon	50	1600	1580
Hydrocarbon	50	1650	1630
Hydrocarbon	50	1700	1680
Hydrocarbon	50	1750	1730
Hydrocarbon	50	1800	1780
Hydrocarbon	50	1850	1830
Hydrocarbon	50	1900	1880
Hydrocarbon	50	1950	1930
Hydrocarbon	50	2000	1980
Hydrocarbon	50	2050	2030
Hydrocarbon	50	2100	2080
Hydrocarbon	50	2150	2130
Hydrocarbon	50	2200	2180
Hydrocarbon	50	2250	2230
Hydrocarbon	50	2300	2280
Hydrocarbon	50	2350	2330
Hydrocarbon	50	2400	2380
Hydrocarbon	50	2450	2430
Hydrocarbon	50	2500	2480
Hydrocarbon	50	2550	2530
Hydrocarbon	50	2600	2580
Hydrocarbon	50	2650	2630
Hydrocarbon	50	2700	2680
Hydrocarbon	50	2750	2730
Hydrocarbon	50	2800	2780
Hydrocarbon	50	2850	2830
Hydrocarbon	50	2900	2880
Hydrocarbon	50	2950	2930
Hydrocarbon	50	3000	2980
Hydrocarbon	50	3050	3030
Hydrocarbon	50	3100	3080
Hydrocarbon	50	3150	3130
Hydrocarbon	50	3200	3180
Hydrocarbon	50	3250	3230
Hydrocarbon	50	3300	3280
Hydrocarbon	50	3350	3330
Hydrocarbon	50	3400	3380
Hydrocarbon	50	3450	3430
Hydrocarbon	50	3500	3480
Hydrocarbon	50	3550	3530
Hydrocarbon	50	3600	3580
Hydrocarbon	50	3650	3630
Hydrocarbon	50	3700	3680
Hydrocarbon	50	3750	3730
Hydrocarbon	50	3800	3780
Hydrocarbon	50	3850	3830
Hydrocarbon	50	3900	3880
Hydrocarbon	50	3950	3930
Hydrocarbon	50	4000	3980
Hydrocarbon	50	4050	4030
Hydrocarbon	50	4100	4080
Hydrocarbon	50	4150	4130
Hydrocarbon	50	4200	4180
Hydrocarbon	50	4250	4230
Hydrocarbon	50	4300	4280
Hydrocarbon	50	4350	4330
Hydrocarbon	50	4400	4380
Hydrocarbon	50	4450	4430
Hydrocarbon	50	4500	4480
Hydrocarbon	50	4550	4530
Hydrocarbon	50	4600	4580
Hydrocarbon	50	4650	4630
Hydrocarbon	50	4700	4680
Hydrocarbon	50	4750	4730
Hydrocarbon	50	4800	4780
Hydrocarbon	50	4850	4830
Hydrocarbon	50	4900	4880
Hydrocarbon	50	4950	4930
Hydrocarbon	50	5000	4980
Hydrocarbon	50	5050	5030
Hydrocarbon	50	5100	5080
Hydrocarbon	50	5150	5130
Hydrocarbon	50	5200	5180
Hydrocarbon	50	5250	5230
Hydrocarbon	50	5300	5280</

INFORMATION RECORD—Continued