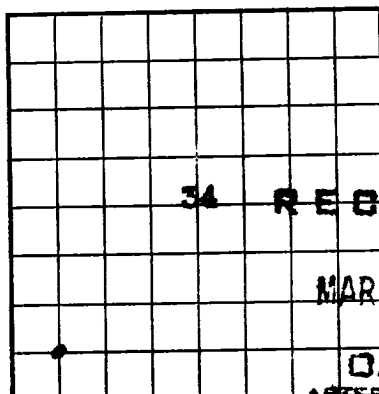


U. S. LAND OFFICE **Las Cruces**
 SERIAL NUMBER **058179**
 LEASE OR PERMIT TO PROSPECT **Leonard**



UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

U. S. C. LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Sanders Brothers** Address **Box 746, Artesia, New Mexico**
 Lessor or Tract **Harry Leonard** Field **High Lonesome** State **New Mexico**
 Well No. **2** Sec. **34** T. **16S** R. **30E** Meridian **N.M.P.M.** County **Birdy**

Location **660 ft. S. of S. Line and 660 ft. W. of W. Line of Section 34** Elevation **3735**
 (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 **Leonard**

Date **Feb. 11, 1942**

Title **Bookkeeper**

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

Commenced drilling **November 17, 1942** Finished drilling **January 18, 1942**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2955** to **2975** 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 **2235** 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"	498	50							
5 1/2"	2920	100							

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	498	50			
5 1/2"	2920	100			100 Sacks

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
	Nitro Glycerin		40qts	1/42	2955-2975	
	"		110qts	1/42	2975-3005	
				1/5/42		

TOOLS USED

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

Cable Tools used

DATES

Put to producing **January 16, 1942**

The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment.
After shooting well made 5 bbls per hour for 24 hours thru 7" Casing.

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Pat Gormley, Driller **George Sands**, Driller
Tom Fulton, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10	10	Surface
10	45	35	Caliche & Red Bed
45	140	95	Red Bed
140	230	90	Red Shale Sandy
230	250	20	Sandy Shale
250	325	75	Anyhydrite
325	335	10	Grey Shale
335	415	80	Anyhydrite
415	455	40	Red Shale
455	480	25	Anyhydrite
480	498	18	Red Bed
498	5045	43	Salt (Run 498 Ft. 8 5/8" Casing)
5045	5175	110	Anyhydrite
5175	5180	425	Salt (Run 5175 Ft. 8 5/8" Casing)
5180	5220	40	Anyhydrite
5220	5255	35	Anyhydrite & Brown Shale
5255	5275	120	Anyhydrite
5275	5285	40	Red Rock & Shale
5285	5290	35	Anyhydrite & Red Bed
5290	5295	30	Anyhydrite
5295	5298	35	Anyhydrite & Shale
5298	5305	70	Anyhydrite & Broken Shale
5305	5325	140	Anyhydrite
5325	5327	42	Red Sand (Water at 2235)
5327	5327	3	Red Sand & Anyhydrite
5327	5325	25	Lime

(OVER)

FORMATION RECORD—CONTINUED

OLD MARK

7791 0 1 9AM

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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.

Location ~~Section 24~~ of ~~the~~ Line and ~~330 ft.~~ of ~~the~~ Line of ~~Section 24~~ Elevation ~~2525~~

Well No. ~~2525~~ Sec. ~~24~~ T. ~~12S~~ R. ~~30E~~ Meridian ~~N. 1/4 S. 1/4~~ County ~~Elbert~~

Less or Trust ~~Henry Leonard~~

Company ~~Sabers Brothers~~

Address ~~Box 746, Arroyo, New Mexico~~

Date _____ Title _____
Signed _____

19-42

OIL OR GAS SANDS OR ZONES

No.	from	to	Notes	(Denote day by G)
No. 1.	from	to	2000	
No. 2.	from	to		
No. 3.	from	to		
No. 4.	from	to		

IMPORTANT WATER SANDS

No. 1, from _____ to _____ 3532

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

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 substituted, 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.

HISTORY OF OIL OR GAS WELL

[illegible]

SLUDDING AND CEMENTING RECORD

Year	Number of cases	Number of deaths	Number of cases per 100,000	Number of deaths per 100,000
2019	1,234	56	12.3	0.56
2020	1,567	78	15.7	0.78
2021	1,890	92	18.9	0.92
2022	2,123	105	21.2	1.05
2023	2,345	118	23.5	1.18
2024	2,567	132	25.7	1.32
2025	2,789	145	27.9	1.45
2026	3,012	158	30.1	1.58
2027	3,234	172	32.3	1.72
2028	3,456	185	34.6	1.85
2029	3,678	198	36.8	1.98
2030	3,890	210	38.9	2.10

SECRET/NO FORN DISSEM

Height	Weight	Age	Sex	Occupation	Education	Marital Status	Religion	Political Party	Other
5' 10"	175	35	M	Teacher	High School	Married	Catholic	Democrat	

SHOOTING RECORD

[illegible]

2007 2 USED

Footery tools were used from	test to	test, and from	test to
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DATE

	DATE	DESCRIPTION
Put to producing	January 1968	10-12

total	5
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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END OF ORDER

[illegible]

GROVER HORTA

ERRATA	TO	NOTIFIED	NOTIFIED
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FORMATION RECORD—Continued