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Leonard

MAR 27 1942

U. S. GEOLOGICAL SURVEY

UNITED STATES

RECEIVED DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAR 10 1977

G. C. C.

ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sanders Brothers Address Box 746, Artesia, New Mexico

Lessor or Tract Leonard Field High Lonesome State New Mexico

Well No. 3 Sec. 34 T. 16S R. 30E Meridian N.M.P.M. County Bddy

Location 660 ft. [N.] of S. Line and 1980 ft. [E.] of W. Line of Sec. 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 April 20, 1942 Title Bookkeeper

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

Commenced drilling January 24, 1942 Finished drilling April 5, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2969 to 2990 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 410 to No. 3, from to

No. 2, from 2255 to 2260 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"				512'					
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	512'	50 Sacks			
8"	2283'				Set with Mud
7"	2819'	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
Shot with 190 qts.						
5 1/2"	2	N.G.	50 Qts.	4/3/42	2958-2969	11'
3 1/2"	4	N.G.	40 "	4/3/42	2969-2990	21'
5 1/2"	4	N.G.	100 qts.	"	2990-3012	22'

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

DATES

, 19 Put to producing , 19

When the oil sand was drilled 2969 to 2990 the hole filled with about 1500 feet of fluid. Some gas was present but not enough to flow. On a 12 hour bailer test estimated production was 2 1/2 Barrels per hour. After well was shot it made 165 barrels of oil in 24 hour test thru 2" open tubing set at 2725

EMPLOYEES

Pat Gormley, Driller R. E. Lee, Driller

J. W. Nellis, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	10	10	Surface
10	65	55	Red Sandy Shale
65	130	65	Red Shale & Gyp Breaks
130	325	195	Red Shale
325	330	30	Brown Shale
330	390	60	Anhydrite & Red Shale
390	498	108	Anhydrite (Water at 410)
498	1015	517	Salt
1015	1060	45	Salt & Anhydrite
1060	1196	136	Salt
1196	1230	24	Anhydrite
1230	1250	30	" and Red Bed
1250	1290	40	" and Salt
1290	1390	90	Anhydrite
1390	1395	15	Red Bed
1395	1445	50	Broken Red Shale & Anhydrite
1445	1475	30	Red Bed and Anhydrite
1475	1540	65	Anhydrite & Broken Shale
1540	1570	30	Anhydrite & Shale
1570	1745	175	Anhydrite (Some water at 1730)
1745	1765	20	Anhydrite and Lime
1765	2000	235	Anhydrite

(OVER)

8-6745

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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LOCATE WELL CORRECTLY

Commenced drilling _____ 1945 Finished drilling _____ 1945
The summary on this page is for the condition of the well at above date.

Date _____ April 20-1945 Title _____

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SAVING

CASING RECORD

Casing Size	Set foot Weight	Threads per inch	Make	Amount	Kind of spool	Cut and pulled from	Separated		Remarks
							From	To	
10 1/2				1500					

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD					
Cement sack	Where set	Number sacks of cement	Method used	Mud grade	Amount of mud used
1	1	1			1
2	1	1			1
3	1	1			1
4	1	1			1
5	1	1			1
6	1	1			1
7	1	1			1
8	1	1			1
9	1	1			1
10	1	1			1
11	1	1			1
12	1	1			1
13	1	1			1
14	1	1			1
15	1	1			1
16	1	1			1
17	1	1			1
18	1	1			1
19	1	1			1
20	1	1			1
21	1	1			1
22	1	1			1
23	1	1			1
24	1	1			1
25	1	1			1
26	1	1			1
27	1	1			1
28	1	1			1
29	1	1			1
30	1	1			1
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34	1	1			1
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37	1	1			1
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40	1	1			1
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42	1	1			1
43	1	1			1
44	1	1			1
45	1	1			1
46	1	1			1
47	1	1			1
48	1	1			1
49	1	1			1
50	1	1			1
51	1	1			1
52	1	1			1
53	1	1			1
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86	1	1			1
87	1	1			1
88	1	1			1
89	1	1			1
90	1	1			1
91	1	1			1
92	1	1			1
93	1	1			1
94	1	1			1
95	1	1			1
96	1	1			1
97	1	1			1
98	1	1			1
99	1	1			1
100	1	1			1

PLUGS AND ADAPTERS

Adapters—Material	Size
Heaving plug—Material	Length
	Depth set

SHOOTING RECORD

Size	Shim used	Explosive used	Quantity	Date	Depth in ft	Depth cleaned out
2 1/2"	2 1/2"	1 lb	1	10/1/54	10	10
2 1/2"	2 1/2"	1 lb	1	10/1/54	10	10
2 1/2"	2 1/2"	1 lb	1	10/1/54	10	10
2 1/2"	2 1/2"	1 lb	1	10/1/54	10	10
2 1/2"	2 1/2"	1 lb	1	10/1/54	10	10

TOOLS USED

feet to	feet and from	feet to	feet and from
feet to	feet and from	feet to	feet and from

DATES

10	The production for the first 24 hours was _____ barrels of fluid which was oil.	Put to producing _____
11	It was well, cut off per 24 hours _____	_____
12	No water; and _____ sediment.	_____
13	Gallons gasoline per 1,000 cu. ft. of gas _____	_____

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

From line corrected measurement - Total depth 6012 feet.

FROM -	TO -	TOTAL FEET	FORMATION
2000	2025	25	Red shale & Anhydrite
2025	2065	60	Anhydrite and Broken shale
2065	2085	165	"
2085	2175	25	Red sand
2175	2280	5	"
2280	2455	155	Anhydrite
2455	2460	25	Gray Limestone
2460	2464	4	No. 1 Drill Plug
2464	2482	18	Anhydrite
2482	2507	25	"
2507	2680	173	"
2680	2686	6	Limestone
2686	2857	71	Gray Limestone
2857	2912	25	Brown Limestone
2912	2961	9	Gray Limestone
2961	2972	192	Brown Limestone
2972	2988	7	Gray Limestone
2988	3006	18	Pink Limestone
3006	3020	4	White Limestone

FORMATION RECORD—Continued