

LOCATE WELL CORRECTLY

U. S. LAND OFFICE L. C.
 SERIAL NUMBER 058179
 LEASE OR PERMIT TO PROSPECT Leonard

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sanders Brothers Address Box 398, Artesia, New Mexico
 Lessor or Tract Leonard Field Square Lake State New Mexico
 Well No. 7 Sec. 34 T. 16S. R. 30E Meridian N. M. P. M. County Eddy
 Location 660 ft. (N. of N. Line and 1980 ft. (E. of W. Line of Section 34 Elevation 3750
(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 June 25, 1942 Signed Leonard Title Bookkeeper

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

Commenced drilling May 3, 1942 Finished drilling June 22, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2890 to 2900 No. 4, from to
 No. 2, from 2932 to 2940 No. 5, from to
 No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from 410' to
 No. 2, from 2235' to No. 3, 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-	
10"	510'			50 Sacks					
8 5/8"	2275			100 Sacks					Mud
7"	2795								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	510'	50 Sacks			
8 5/8"	2275	100 Sacks			Mud
7"	2795				

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
3 1/2"	1	N. G.	20qt.	6/18	2886-2896	10 Feet
5	4	"	120 qt.	"	2896-2930	10 Feet
3 1/2"	1	"	20	"	2930-2940	10 Feet
5	2	"	100 Sacks	"	2940-2955	10 Feet

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

The first pay was 2886 to 2896. Put to producing July 1, 1942.
 The production for the first 24 hours was barrels of fluid of which % was oil; %
 emulsion; % water; and % sediment. The second pay was 2930 to 2940 with an unusual amount of gas and flowed about
 80 barrels in 24 hours through 7" casing. After shot it flowed 100 barrels
 in 24 hours through 2" tubing set at 2800.
 Rock pressure, lbs. per sq. in.

EMPLOYEES

M. H. Haraus, Driller Fred R. Hiltaker, Driller
 J. B. Best, Driller

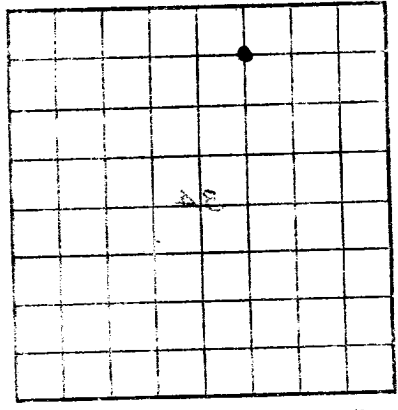
FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	70	70	Red Shale & Sand
70	265	195	Red Shale
265	275	10	Anhydrite
275	295	20	Red Shale
295	305	10	Anhydrite
305	340	35	Red Shale
340	410	70	Anhydrite
410	415	5	Sand and Shaley Water
415	430	15	Red Shale & Anhydrite
430	480	50	Anhydrite and Red Shale
480	510	30	Red Shale
510	570	60	Salt
570	620	50	Salt and Anhydrite
620	770	150	Salt & Pollyalite
770	950	180	Salt
950	995	45	Salt and Shells
995	1030	35	Salt and Potash
1030	1040	10	Anhydrite
1040	1075	35	Salt & Potash
1075	1090	15	Salt
1090	1180	90	Salt & Potash
1180	1188	8	Salt
1188	1210	22	Anhydrite
1210	1250	40	Anhydrite and Red Shale
1250	1270	20	Anhydrite
1270	1370	100	Anhydrite and Red Rock

FORMATION RECORD—Continued

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER
LEARN OR PERMIT TO PROSPECT

Company _____
Lessor or Trust _____
Well No. _____
Location _____
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 _____
Signed _____
The summary on this page is for the condition of the well at above date.
Commented drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

No. 1 from _____ to _____
No. 2 from _____ to _____

CASING RECORD

Casing No.	Weight per foot	Length	Remarks
No. 1			
No. 2			

HISTORY OF OIL OR GAS 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 added, state 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 balling.

SHOOTING RECORD

Tools used: _____
Gauge: _____
Shot: _____
Depth set: _____

MUDDING AND CEMENTING RECORD

Mud: _____
Cement: _____
Amount of mud used: _____

FORMATION RECORD

FORMATION	TOTAL FEET	TO	FROM
Andysite and Shale	65	1780	1715
Andysite and Red Rock	30	1750	1780
Andysite and Red Weber Sand (Water 2235)	190	1560	1750
Andysite	30	1530	1560
Red Sand	45	1485	1530
Andysite	30	1455	1485
Andysite	215	1240	1455
Andysite and Sand	25	1215	1240
Andysite	95	1120	1215
Brown Lime	35	1085	1120
Lime	192	893	1085
Lime broken	22	871	893
Lime	16	855	871
Oil Show	10	845	855
Lime	32	813	845
Sand Show of Gas	8	805	813
Lime	30	775	805
Andysite	30	745	775
Andysite	190	555	745
Andysite	190	365	555
Andysite	190	175	365
Andysite	190	85	175
Andysite	190	0	85
TOTAL	2970		

FORMATION RECORD—Continued

LOG NO. 1