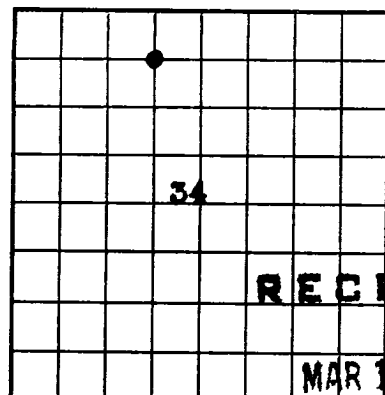


U. S. LAND OFFICE L. C.SERIAL NUMBER 058179LEASE OR PERMIT TO PROSPECT
Leonard

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED**MAR 10 1977****LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company Q. C. C. Sanderson Brothers Address Box 746, 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 1280 ft. (E.) of W. Line of Sec. 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.

Signed Ernest M. MunnDate June 25, 1942Title 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. 3, from _____ to _____
 No. 2, from 2235' 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'					
8 5/8"				2275'					
7"				2795'					
(8 5/8" Casing Pulled when 7" Casing was set)									

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'				Mud
7"	2795'	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 220 quarts of N.G. as follows:						
10"	1	N.G.	20 quarts	6/18 1942	2886-2896	10 Feet
8 5/8"	1	"	100 "	"	2896-2932	36 Feet
7"	2	"	80 "	"	2932-2940	8 Feet
					2940-2955	15 Feet

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 _____

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.
 The second pay was 2930 to 2940 with an unusual amount of gas and flowed
 about 50 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

_____, Driller
M. H. Hargus, Driller
J. B. Best, Driller
 _____, Driller
Fred R. Whitaker, 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	05	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	1370	120	Anhydrite
1370	1415	45	Anhydrite and Red Rock

0-0745

RECEIVED
MAR 10 1977 LOG OF OIL OR GAS WELL

RECEIVED

LOCATE WELL CORRECTLY

930

Company _____
 Lessor or Trust _____
 Well No. _____
 Section _____ T. _____ R. _____ S. _____
 Location of _____ of _____ line and _____ of _____
 The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 Date _____
 Title _____
 (Location not relative to nearest _____)
 Elevation _____

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

Completed drilling _____ 19____
Finished filling _____

OIL OR GAS SANDS OR ZONES

(T) $\text{pd} \leq \text{stms}(1)$

No. 1, from 1000	to	No. 8, from 1000
No. 2, from 1000	to	No. 4, from 1000
URGENT WAITING CASES		
No. 3, from 1000	to	No. 6, from 1000
No. 5, from 1000	to	No. 7, from 1000
No. 1, from 1000	to	No. 4, from 1000

CASTING 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 "disconnected" 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

U. S. GOVERNMENT PRINTING OFFICE 6-6745

LOADING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Material—Leaving plug	Length	Depth set
Material—Anchors	Size	

SHOOTING RECORD

[illegible]

TOOLS USED

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

SETAD

But to produce 1000 barrels of oil of which 1000 was off 1000 of Callons machine per 1000 of it of gas	The production for the first 1000 was 1000 of water and 1000 of oil It is well to be 1000 of it of gas
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EMPHASIS

☐ Full ☐ Partial ☐ None	☐ Full ☐ Partial ☐ None
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INFORMATION RECORD

[illegible]

Total Depth 2970 - Plugged back to 2955

Material	Quantity	Unit Price	Total
Amphibole and shale	65	1480	1415
Amphibole	510	1990	1480
Amphibole and Red Rock	30	2020	1990
Amphibole and Red Rock	190	2210	2020
Amphibole and Red Rock	30	2240	2210
Red Band	15	2255	2240
Amphibole	45	2300	2255
Amphibole	10	2310	2300
Amphibole	215	2525	2310
Amphibole and sand	25	2550	2525
Amphibole	95	2645	2550
Brown lime	15	2660	2645
Lime	192	2852	2660
Lime Broken	22	2874	2852
Lime	16	2890	2874
Oil Snow	10	2900	2890
Lime	32	2930	2900
Band Snow of 885	8	2940	2930
Lime	30	2970	2940

FORMATION RECORD—Continued

[illegible]