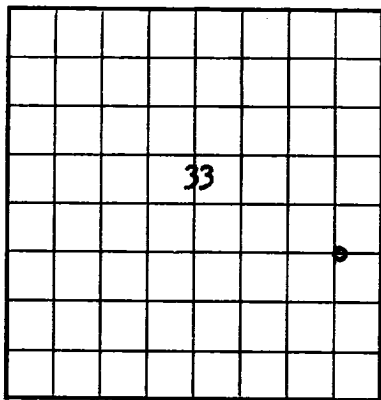


Form 9-390

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



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-03967

LOG OF OIL OR GAS WELL

Company Sanders Brothers Address Artesia, N. M.
Lessor or Tract Leonard Field High Lonesome State New Mexico
Well No. 2-E Sec. 33 T. 16S R. 30E Meridian NMPM County Eddy
Location 1980 ft. N. of S. Line and 660 ft. W. of E. Line of sec. 33 Elevation 3724
(Derives 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 Forrest Warren

Date April 8, 1942 Title Bookkeeper

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

Commenced drilling February 10, 1942 Finished drilling April 6, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2894 to 2904 No. 4, from _____ to _____
No. 2, from 2931 to 2941 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 412 to 420 No. 3, from _____ to _____
No. 2, from 2210 to 2220 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"	527	50							
7"	2275	100							
5 1/2"	2800								
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
8 5/8"	527'	50			
7"	2275'				100 sacks
5 1/2"	2800'	100			
Pulled 7" when 5 1/2" was set					

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
		N. G.	20 qts	3/31	2894-2904	10'
			70 "	"	2904-2931	27'
			20 "	"	2931-2941	10'
TOOLS USED					2941-2960	19'

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____

Well 2-E was drilled 12 hours within 1000 feet of the top of the Permian formation. On 32 hr. bailer test it made 2 bbls. per hr. After shooting it made 300 bbls. oil in 24 hr. Gravity, 26.

It gas well, 0.5 ft. per 24 hours Gallons 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
0	135	135	Red Shale
135	180	50	Red Mud
185	280	95	Sand
280	330	50	Red Rock
330	405	75	Anhydrite
405	527	122	Anhydrite Broken (Salt at 527')
527	1135	608	Salt
1135	1175	40	Anhydrite
1175	1180	5	Salt
1180	1230	50	Broken Anhydrite
1230	1340	110	Anhydrite
1340	1400	60	Broken Anhydrite
1400	1975	575	Anhydrite
1975	2010	35	Anhydrite Broken
2010	2210	200	Anhydrite
2210	2249	39	Red Sand
2249	2268	19	Grey Lime
2268	2275	7	Anhydrite & Lime
2275	2278	3	Sand Lime
2278	2335	57	Anhydrite
2335	2353	18	" & Lime
2353	2455	102	" & Lime
2455	2475	20	" & Lime
2475	2630	155	"
2630	2660	30	to 2660
2660	2675	15	to 2675

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

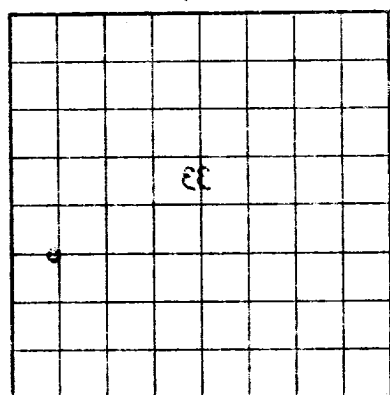
UNITED STATES

LEASE OR PERMIT TO PROSPECT

Serial Number

U. S. LAND OFFICE

Form 9-880



LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____ Sec. _____ T. _____ R. _____
Location _____ of _____ line and _____
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 _____
The summary on this page is for the condition of the well at above date
Commenced drilling _____
Finished drilling _____
19____

OIL OR GAS SANDS OR ZONES

(Indicate gas by G)
No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Casing	Size	Weight	Threads per	Make	Amount	Kind of shoe	Cut and pulled from	Remarks

It is of the greatest importance to have a complete record 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 changed, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of charges. All 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

18-4804-1 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Casing	Size	Weight	Threads per	Make	Amount	Kind of shoe	Cut and pulled from	Remarks

PLUGS AND ADAPTERS

Plugs _____
Adapters _____
Size _____
Length _____
Depth set _____

SHOOTING RECORD

Size	Shots used	Explosive used	Quantity	Date	Remarks

TOOLS USED

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

DATES

Put to producing _____
19____

EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FORMATION	TO—	TOTAL FEET	FORMATION
0	131	131	Red shale
131	180	180	Red shale
180	280	280	Sand
280	330	330	Red rock
330	402	402	Argillaceous
402	527	527	Argillaceous broken (shale at 527)
527	1133	1133	Salt
1133	1175	1175	Argillaceous
1175	1180	1180	Salt
1180	1200	1200	Broken Argillaceous
1200	1230	1230	Argillaceous
1230	1290	1290	Argillaceous
1290	1360	1360	Argillaceous
1360	1490	1490	Argillaceous
1490	1590	1590	Argillaceous
1590	1690	1690	Argillaceous
1690	1790	1790	Argillaceous
1790	1890	1890	Argillaceous
1890	1990	1990	Argillaceous
1990	2090	2090	Argillaceous
2090	2190	2190	Argillaceous
2190	2290	2290	Argillaceous
2290	2390	2390	Argillaceous
2390	2490	2490	Argillaceous
2490	2590	2590	Argillaceous
2590	2690	2690	Argillaceous
2690	2790	2790	Argillaceous
2790	2890	2890	Argillaceous
2890	2990	2990	Argillaceous
2990	3090	3090	Argillaceous
3090	3190	3190	Argillaceous
3190	3290	3290	Argillaceous
3290	3390	3390	Argillaceous
3390	3490	3490	Argillaceous
3490	3590	3590	Argillaceous
3590	3690	3690	Argillaceous
3690	3790	3790	Argillaceous
3790	3890	3890	Argillaceous
3890	3990	3990	Argillaceous
3990	4090	4090	Argillaceous
4090	4190	4190	Argillaceous
4190	4290	4290	Argillaceous
4290	4390	4390	Argillaceous
4390	4490	4490	Argillaceous
4490	4590	4590	Argillaceous
4590	4690	4690	Argillaceous
4690	4790	4790	Argillaceous
4790	4890	4890	Argillaceous
4890	4990	4990	Argillaceous
4990	5090	5090	Argillaceous
5090	5190	5190	Argillaceous
5190	5290	5290	Argillaceous
5290	5390	5390	Argillaceous
5390	5490	5490	Argillaceous
5490	5590	5590	Argillaceous
5590	5690	5690	Argillaceous
5690	5790	5790	Argillaceous
5790	5890	5890	Argillaceous
5890	5990	5990	Argillaceous
5990	6090	6090	Argillaceous
6090	6190	6190	Argillaceous
6190	6290	6290	Argillaceous
6290	6390	6390	Argillaceous
6390	6490	6490	Argillaceous
6490	6590	6590	Argillaceous
6590	6690	6690	Argillaceous
6690	6790	6790	Argillaceous
6790	6890	6890	Argillaceous
6890	6990	6990	Argillaceous
6990	7090	7090	Argillaceous
7090	7190	7190	Argillaceous
7190	7290	7290	Argillaceous
7290	7390	7390	Argillaceous
7390	7490	7490	Argillaceous
7490	7590	7590	Argillaceous
7590	7690	7690	Argillaceous
7690	7790	7790	Argillaceous
7790	7890	7890	Argillaceous
7890	7990	7990	Argillaceous
7990	8090	8090	Argillaceous
8090	8190	8190	Argillaceous
8190	8290	8290	Argillaceous
8290	8390	8390	Argillaceous
8390	8490	8490	Argillaceous
8490	8590	8590	Argillaceous
8590	8690	8690	Argillaceous
8690	8790	8790	Argillaceous
8790	8890	8890	Argillaceous
8890	8990	8990	Argillaceous
8990	9090	9090	Argillaceous
9090	9190	9190	Argillaceous
9190	9290	9290	Argillaceous
9290	9390	9390	Argillaceous
9390	9490	9490	Argillaceous
9490	9590	9590	Argillaceous
9590	9690	9690	Argillaceous
9690	9790	9790	Argillaceous
9790	9890	9890	Argillaceous
9890	9990	9990	Argillaceous
9990	10090	10090	Argillaceous

FORMATION RECORD - Continued