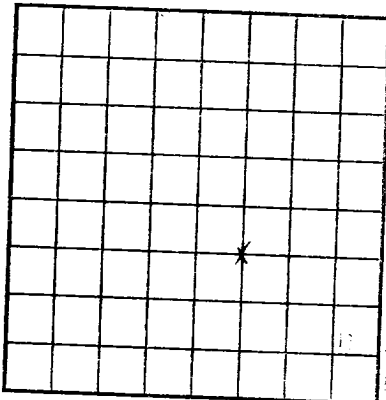


RECEIVED

Division Bureau No. 42-R372.
Approval expires 11-30-46.

LOCATE WELL CORRECTLY

MAR 9 1977

O.C.G.
ARTESIA, OFFICE

RECEIVED

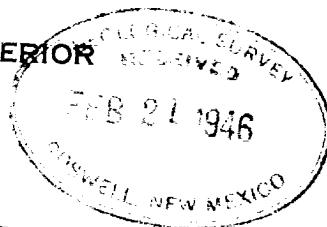
UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

U. S. LAND OFFICE Las Cruces

SERIAL NUMBER 060325

LEASE OR PERMIT TO PROSPECT
Leonard - E

LOG OF OIL OR GAS WELL

Company Sanders Brothers Address Box 746, Artesia, New Mexico
Lessor or Tract Leonard E Field Square Lake State New Mexico
Well No. E-13 Sec. 4 T. 17S R. 30E Meridian S.M.P.M. County Eddy
Location 1980 ft. {N.} of 30. Line and 1980 ft. {E.} of E. Line of Sec. 4 Elevation _____
(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 February 11, 1946Signed [Signature]
Title Partner

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

Commenced drilling November 28, 1945 Finished drilling January 29, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2920 to 2930 No. 4, from _____ to _____
No. 2, from 3026 to 3030 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2190 to 2215 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—	
10-3/4	32#	10	O.D.	501'7"	Tex. Pat.				
8-1/4	28#	8	O.D.	2260	Tex. Pat.				
7		8	O.D.	2750	Tex. Pat.				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	501'7"	50 sacks cement	Halliburton		
8-1/4	2260	10 sacks aquagel	Halliburton		
7"	2750	100 sacks cement	Halliburton		100 sacks mud

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
4"		Nitroglycerin	90 lbs.	1/24	3026-3060	
4"		"	60 lbs.	1/25	2908-2930	

TOOLS USED

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

Cable tools were used from 0 feet to 3153 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing January 29, 1946The production for the first 24 hours was 60 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment.

Gravity, °Bé. _____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

E. H. Britton, Driller C. L. Blount, DrillerClyde Hicks, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	45	45	Sand & Red Bed
45	280	235	Red Rock
280	320	40	Anhydrite
320	430	110	Anhydrite & Rock
430	470	40	Red Rock
470	565	95	Salt
565	625	60	Anhydrite & Salt
625	1115	490	Salt
1115	1210	95	Salt & Anhydrite
1210	1285	75	Anhydrite
1285	1320	45	Anhydrite & Red Shale
1320	1375	55	Red Shale
1375	1435	60	Anhydrite & Red Shale
1435	1897	462	Anhydrite
1897	2000	103	Anhydrite & Red Rock
2000	2025	25	Anhydrite & Red Shale
2025	2060	35	Anhydrite & Shale
2060	2190	130	Anhydrite
2190	2215	25	Red Sand
2215	2225	10	Red Sand & Anhydrite
2225	2237	12	Lime
2237	2260	23	Anhydrite
2260	2265	5	Gray Lime
2265	2275	10	Anhydrite
2275	2300	25	Anhydrite & Red Rock

FORMATION RECORD—Continued

FORMATION	TO—	TOTAL FEET	FROM—
Anydrite & Red Rock	80	2380	2300
Anydrite	40	2420	2380
Anydrite & Red Rock	25	2600	2420
Anydrite	25	2625	2600
Gray Lime	70	2695	2625
Lime	50	2745	2695
Gray Lime	5	2750	2745
Lime	35	2845	2750
Gray Lime	25	2870	2845
Lime	15	2885	2870
Gray Lime	5	2900	2885
Lime	15	2915	2900
Sand	10	2925	2915
Pink Lime	10	2935	2925
Lime	15	2950	2935
White Lime	20	2970	2950
Lime	8	2978	2970
White Lime	7	2985	2978
Lime	12	2997	2985
Gray Lime	12	3009	2997
White Lime	7	3016	3009
Gray Lime	28	3044	3016
Lime	10	3054	3044
Gray Lime	15	3069	3054
Lime	21	3090	3069
Gray Lime	12	3102	3090
Lime	51	3153	3102

HISTORY OF OIL OR GAS WELL

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 "sidetracked" 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.

WELL OR GAS WELLS ON TOWNS

Block number

Section number

Range

Township

County

State

Operator

Driller

Completions

Production

Remarks

Notes

Drawings

Photographs

Logs

Test results

Other data

References

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