

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029431
LEASE OR PERMIT TO PROSPECT Etz

Supplement
DEEPENING WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Sanders Brothers Address Box 398, Artesia, N. M.
 Lessor or Tract Etz Field Square Lake State New Mexico
 Well No. 4 Sec. 34 T. 16S R. 30E Meridian NMPM County Eddy
 Location 660 ft. { N } of S Line and 1980 ft. { E } of E Line of Sec. 34 Elevation 3744
 (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 August 30, 1945 Signed Forrest Warren
Title Bookkeeper

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

Commenced drilling June 5, 1945 Finished drilling June 25, 1945

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from 3116 to 3140 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ 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—	
0 1/2 in.	11 lb.	14	10	10	10	10	10	10	10
1 in.	12 lb.	14	10	10	10	10	10	10	10
1 1/2 in.	14 lb.	14	10	10	10	10	10	10	10
2 in.	16 lb.	14	10	10	10	10	10	10	10
2 1/2 in.	18 lb.	14	10	10	10	10	10	10	10
3 in.	20 lb.	14	10	10	10	10	10	10	10
3 1/2 in.	22 lb.	14	10	10	10	10	10	10	10
4 in.	24 lb.	14	10	10	10	10	10	10	10
4 1/2 in.	26 lb.	14	10	10	10	10	10	10	10
5 in.	28 lb.	14	10	10	10	10	10	10	10
5 1/2 in.	30 lb.	14	10	10	10	10	10	10	10
6 in.	32 lb.	14	10	10	10	10	10	10	10
6 1/2 in.	34 lb.	14	10	10	10	10	10	10	10
7 in.	36 lb.	14	10	10	10	10	10	10	10
7 1/2 in.	38 lb.	14	10	10	10	10	10	10	10
8 in.	40 lb.	14	10	10	10	10	10	10	10
8 1/2 in.	42 lb.	14	10	10	10	10	10	10	10
9 in.	44 lb.	14	10	10	10	10	10	10	10
9 1/2 in.	46 lb.	14	10	10	10	10	10	10	10
10 in.	48 lb.	14	10	10	10	10	10	10	10
10 1/2 in.	50 lb.	14	10	10	10	10	10	10	10
11 in.	52 lb.	14	10	10	10	10	10	10	10
11 1/2 in.	54 lb.	14	10	10	10	10	10	10	10
12 in.	56 lb.	14	10	10	10	10	10	10	10
12 1/2 in.	58 lb.	14	10	10	10	10	10	10	10
13 in.	60 lb.	14	10	10	10	10	10	10	10
13 1/2 in.	62 lb.	14	10	10	10	10	10	10	10
14 in.	64 lb.	14	10	10	10	10	10	10	10
14 1/2 in.	66 lb.	14	10	10	10	10	10	10	10
15 in.	68 lb.	14	10	10	10	10	10	10	10
15 1/2 in.	70 lb.	14	10	10	10	10	10	10	10
16 in.	72 lb.	14	10	10	10	10	10	10	10
16 1/2 in.	74 lb.	14	10	10	10	10	10	10	10
17 in.	76 lb.	14	10	10	10	10	10	10	10
17 1/2 in.	78 lb.	14	10	10	10	10	10	10	10
18 in.	80 lb.	14	10	10	10	10	10	10	10
18 1/2 in.	82 lb.	14	10	10	10	10	10	10	10
19 in.	84 lb.	14	10	10	10	10	10	10	10
19 1/2 in.	86 lb.	14	10	10	10	10	10	10	10
20 in.	88 lb.	14	10	10	10	10	10	10	10
20 1/2 in.	90 lb.	14	10	10	10	10	10	10	10
21 in.	92 lb.	14	10	10	10	10	10	10	10
21 1/2 in.	94 lb.	14	10	10	10	10	10	10	10
22 in.	96 lb.	14	10	10	10	10	10	10	10

MUDDING AND CEMENTING RECORD

[illegible]

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"		N. G.	100 qts.	6/21	3122-3150	3153

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 2984 feet to 3153 feet, and from _____ feet to _____ feet

DATES

....., 19..... Put to producing **July 1,** 19**45**
The production for the first 24 hours was **75**..... barrels of fluid of which % was oil; %

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. G. Rogers	Driller		
C. L. Blount	Driller		

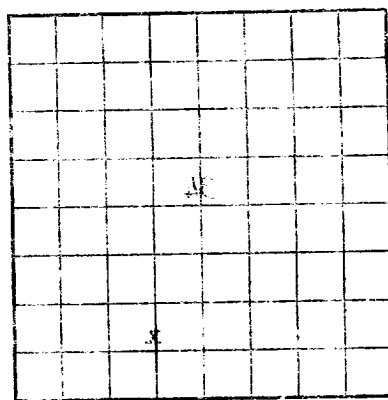
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2984	3012	28	Lime
3012	3017	5	White Lime
3017	3023	6	Pink Lime
3023	3075	52	White Lime
3075	3116	41	Gray Lime
3116	3140	24	Lime and Sand (Oil & Gas)
3140	3153	13	Gray Lime

(OVER)

16-43094-2

LOBKATION RECORD - CONTINUED



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

 Name of Land Owner _____
 Address _____
 State _____
 County _____
 Section _____
 Township _____
 Range _____

 Name of Driller _____
 Address _____
 State _____
 County _____
 Section _____
 Township _____
 Range _____

 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.
 Location (Section, Township, Range) of _____
 Well No. _____
 Sec. _____ T. _____ R. _____
 Field No. _____
 State _____
 County _____
 Address _____
 Name of Land Owner _____

 The summary on this page is for the condition of the well at above date
 Date _____
 Signed _____
 Title _____

 Commenced drilling _____
 Finished drilling _____
 Date _____

OIL OR GAS SANDS OR ZONES

(Please see pg. 10)

 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 Size	Weight per foot	Length	Threads per inch	Make	Amount	Kind of shoe	Cut and banded from	Remarks	Purpose

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 "detracked" or left in the well, give its size and location. If the well has been dynamited, give date, 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

16-43084-1

MUDGING AND CEMENTING RECORD

Casing Size	Weight per foot	Length	Threads per inch	Make	Amount	Kind of shoe	Cut and banded from	Remarks	Purpose

PLUGS AND ADAPTERS

 Heaving plug—Material _____
 Adapter—Material _____
 Length _____
 Depth set _____

SHOOTING RECORD

Size	Steel used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

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

 The production for the first 24 hours was _____ barrels of fluid of which _____ was oil; _____ was gas.
 Put to producing _____
 Gravity, _____
 Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____
 If gas well, cu. ft. per 24 hours _____
 emulsion _____
 If gas well, cu. ft. per 24 hours _____
 emulsion _____

EMPLOYEES

 Driller _____
 Driller _____
 Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3150	3153	3	Gray lime
3116	3150	34	Lime and sand (oil & gas)
3072	3116	44	Gray lime
3053	3072	19	White lime
3017	3053	36	Pink lime
3013	3017	4	White lime
2988	3013	25	Lime

FORMATION RECORD—Continued