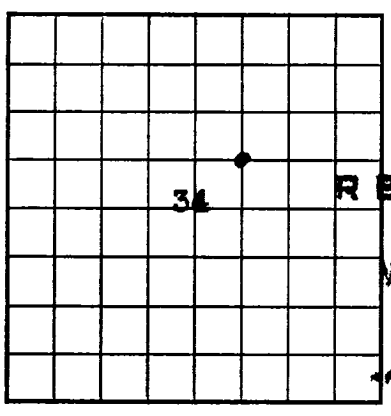
Northern Ofg

Form 9-330

U. S. LAND OFFICE L. C.
SERIAL NUMBER 029431
LEASE OR PERMIT TO PROSPECT Etz-E



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sanders Brothers Address Box 746, Artesia, New Mexico
Lessor or Tract Etz Field Square Lake State New Mexico
Well No. E-1 Sec. 34 T. 16S R. 30E Meridian N.M.P.M. County Eddy
Location 1980 ft. {N./S.} of N Line and 1980 ft. {E./W.} of E Line of Sec. 34 Elevation 3749
(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 [illegible]

Date June 17, 1942 Title Bookkeeper

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

Commenced drilling April 23, 1942 Finished drilling June 10, 1942

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2912 to 2927 No. 4, from ____ to ____
No. 2, from 2950 to 2965 No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 2253 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 From—	Perforated To—	Purpose
10"				510'					
8¼"				2290'					
7"				2829'					
8¼"	Casing pulled when drilling deeper								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	510'	50 Sacks			
8¼"	2290'				Mud
7"	2829'	100 Sacks			

FOLD | MARK

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 240 Quarts N. G. as follows:
From 2912 -2927 - 15 feet. with 30 qts.-1-3½" Shell, 20 Qts.-1-3½" Shell,10QTS
From 2927- 2950 - 23 feet, with 90 qts.-3-5" Shells
From 2950 -2965 - 15 feet, with 30 qts.-1-3½" Shell 20 qts, 1-3½" Shell-10 qts
From 2965 -2988-- 23 feet, with 90 qts. 3-5" Shells. T. D. 2988

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

____, 19____ Put to producing June 16, 1942

The first pay was from 2912 to 2927. It filled the hole with 400 feet of oil and swabbed 5 barrels in 16 hours. The second pay was from 2950 to 2965. It increased the oil to 1500 feet in the hole and swabbed 20 barrels in 16 hours. After shooting this well flowed 75 barrels in 24 hours through open 2" tubing Hung at 2722

The production for the first 24 hours was ____ barrels of fluid of which ____ % 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

Oscar Burch, Driller W. T. Albert, Driller
E. Coll, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	15	15	Caliche
15	85	70	Gyp
85	155	70	Red Sand
155	235	80	Red Bed and Sandy Caliche
235	285	50	Red Bed and Gyp
285	330	45	Gyp
330	400	70	Anhydrite
400	425	25	Red Bed
425	493	68	Red Bed and Anhydrite
493	1045	552	Salt (Top of Salt 512')
1045	1070	25	Anhydrite
1070	1202	132	Salt
1202	1225	23	Anhydrite
1225	1275	50	Anhydrite and Shale
1275	1285	10	Salt
1285	1385	100	Anhydrite
1385	1400	15	Red Beds
1400	1470	70	Shale
1450	1640	170	Shale and Anhydrite
1640	1690	50	Anhydrite
1690	1720	30	Anhydrite and Lime Shells
1720	1770	50	Anhydrite
1770	1795	25	Anhydrite and Lime
1795	1845	50	Anhydrite
1845	1870	25	Anhydrite and Shale

(OVER)

6—6745

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1870	1950	80	Anhydrite
1950	1980	30	Anhydrite and Sandy Shale
1980	2000	20	Anhydrite and Shale
2000	2065	65	Anhydrite and Red Rock
2065	2150	85	Anhydrite
2150	2180	30	Anhydrite and Sale
2180	2210	30	Anhydrite and Lime Shells
2210	2235	25	Anhydrite and Bentonite
2235	2275	40	Red Sand (Water 2253)
2275	2297	22	Lime
2297	2307	10	Grey Lime
2307	2320	13	Grey Lime and Anhydrite
2320	2329	9	Lime
2329	2342	13	Anhydrite
2342	2660	318	Anhydrite and Shale
2660	2689	29	Lime
2689	2708	19	Grey Lime
2708	2725	17	Lime
2725	2748	23	Lime and Shale
2748	2761	13	Anhydrite and Shale
2761	2770	9	Grey Lime
2770	2840	70	Lime
2840	2895	55	Grey Lime
2895	2900	5	Lime
2900	2910	10	Oil and Gas Show
2910	2925	15	Lime
2925	2931	6	Grey Lime
2931	2957	26	Lime
2957	2982	25	Lime
2982	2985	3	Lime
2985	2988	3	Pink Lime

Total Depth 2988'

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.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

D. C. C.

RECEIVED
MAR 10 1931

DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY

Lease or Permit to Prospect _____

Land Office _____

U. S. LAND OFFICE _____

FORM 9-330

U. S. GOVERNMENT PRINTING OFFICE 6—6745