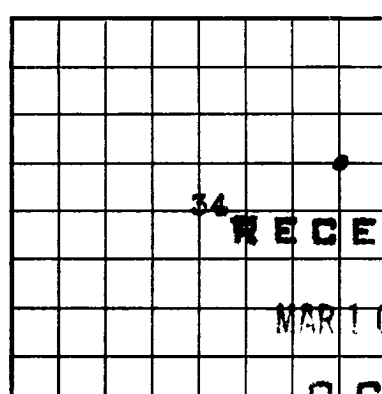
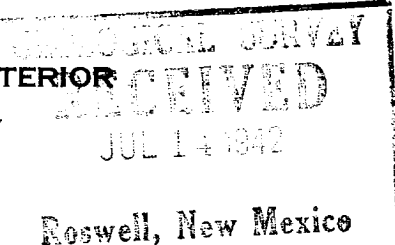


U. S. LAND OFFICE L. C.
SERIAL NUMBER 029431
LEASE OR PERMIT TO PROSPECT Etz EUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY, OFFICE

Company Sanders Brothers Address Box 746, Artesia, New Mexico
Lessor or Tract Etz Field Square Lake State New Mexico
Well No. E-2 Sec. 34 T. 16S R. 30E Meridian N.M.P.M. County Eddy
Location 1980 ft. (S.) of N. Line and 660 ft. (W.) of E. Line of Sec. 34 Elevation 3771
(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 James H. HennenDate July 13, 1942 Title Bookkeeper

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

Commenced drilling May 9, 1942 Finished drilling June 30, 1942

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2938 to 2948 No. 4, from _____ to _____
No. 2, from 2972 to 2982 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 435 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—	
10"				555'					
8 5/8"				2339'					
7"				2860'					
(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"	555'	50 Sacks			
8 5/8"	2339'				Mud
7"	2860'	100 Sacks			
(8 5/8" Casing pulled when 7" Casing 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
Shot with 200 Quarts N.G. as follows:						
3 1/2"	1	N.G.	20 Qts. 7/5	10'	2938	to 2948
3 1/2"	1	N.G.	20 Qts. 7/5	16'	2948	to 2972
5"	3	N.G.	80 Qts. 7/5	20'	2982	to 3002

TOOLS USED

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

DATES

Put to producing July 1, 1942
First pay was from 2938 to 2948 which filled the hole with 800 feet of
oil. The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil, _____ %
oil. The second pay was from 2982 to 2982 and flowed about 20 barrels
of oil in 12 hours. _____ % sediment. Gravity, _____ °Be.
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
on July 9 and 10, 1942. The results were 230 barrels in 24 hours through
Rock pressure, lbs. per sq. in. _____
open 2" Tubing swung at 2850 feet.

EMPLOYEES

W. R. McCullough _____, Driller Art Gormley _____, Driller
G. E. Surrent _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	135	135	Red Sand
135	190	55	Sand
190	200	100	Red Rock
290	325	35	Anhydrite
325	330	5	Red Rock
330	455	125	Anhydrite
455	500	45	Red Rock and Anhydrite Shells
500	540	40	Red Rock and Anhydrite
540	555	15	Red Shale
555	560	05	Red Rock
560	610	50	Salt and Red Rock
610	640	30	Salt and Red Rock
640	725	85	Salt
725	750	25	Polyhalite
750	1240	490	Salt
1240	1260	20	Anhydrite
1260	1300	40	Anhydrite and Red Rock
1300	1465	165	Anhydrite
1465	1530	65	Anhydrite and Red Rock
1530	1555	25	Anhydrite
1555	1590	35	Anhydrite and Red Rock
1590	1630	40	Anhydrite
1630	1650	20	Anhydrite and Red Rock
1650	2050	400	Anhydrite
2050	2085	35	Red Sandy Shale
2085	2205	120	Anhydrite

6-0745

LOGGING AND MINING COMPANY

