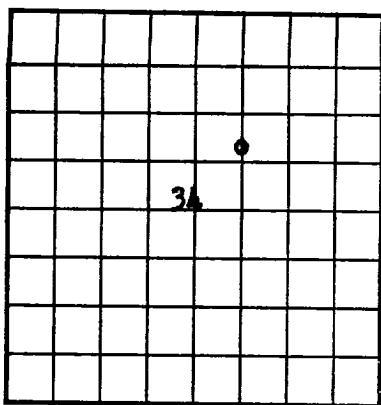




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **029431**
LEASE OR PERMIT TO PROSPECT **Stz E**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Sanders Brothers** Address **Box 746, Artesia, N. M.**
Lessor or Tract **Stz** Field **Square Lake** State **New Mexico**
Well No. **E-1** Sec. **34** T. **16s** R. **30E** Meridian **NMPM** County **Eddy**
Location **1980** ft. **(N.)** of **N.** Line and **1980** ft. **(E.)** of **E.** Line of **Sec. 34** Elevation **3740**
(Derivat. Elev. 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 **Frederic Warren**
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**, 19____ Finished drilling **June 10,** 19 **42**

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		Purpose
							From—	To—	
10"	510'	50							
8"	2290'	100							
7"	2829'								
(8" casing pulled when 7" casing set)									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	510'	50			
8"	2290'				Mud
7"	2829'	100			

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 qts. N.C. as follows						
From 2912-2927 - 15 feet with 30 qts. 1-3/4" shell 20 qts 1-3/4" shell, 10 qts.						
From 2927-2950-23 ft. with 30 qts. 1-3/4" shells						
From 2950-2965 - 15 ft. with 30 qts. 1-3/4" shell 20 qts. 1-3/4" shell - 10 qts.						
From 2965-2988-23 feet, with 90 qts. 2-1/2" shells T. D. 2988'						

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,** 19 **42**The first pay was from **2912-2927**. It filled the hole with **400'** of oil and was swabbed **5** bbls. The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, **Be.**
in 16 hours. The second pay was from **2950-2965**. It increased the oil to **1500'** in the hole. and swabbed **20** bbls. in 24 hours. After shooting this well flowed **75** bbls. in 24 hours thru open **2"** tubing hung **2722'**
Rock pressure, lbs. per sq. in. _____

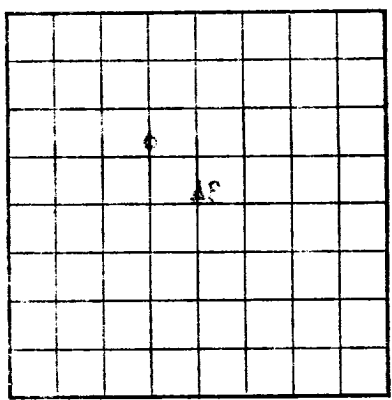
EMPLOYEES

Oscar Burch _____, Driller **W. T. Albert** _____, Driller
B. Cell _____, 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	Gyp & Shale
1275	1285	10	Salt
1285	1385	100	Anhydrite
1385	1400	15	Red Beds
1400	1470	70	Shale
1470	1640	170	" & Anhydrite
1640	1690	50	Anhydrite
1690	1720	30	" & Lime shells
1720	1770	50	"
1770	1795	25	" & Lime
1795	1845	50	"
1845	1870	25	" & Shale

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

PLEASE OR PERMIT TO PROSPECT
SERIAL NUMBER
U. S. LAND OFFICE
LAS CRUCES

Company _____
Lessor or Tract _____
Well No. _____
Location _____ of _____ line and _____ ft. _____ of _____ line of _____ sec. _____
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.
Completed drilling _____
Finished drilling _____
Date _____

OIL OR GAS SANDS OR ZONES

(Denote 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 _____

CASING RECORD

Casing size	Weight per foot	Threads per inch	Make	Amount	Kind of pipe	Cost and pulled from	Porting	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 attached 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.

HISTORY OF OIL OR GAS WELL

(If casing pulled when casing set)

MUDDING AND CEMENTING RECORD

Casing size	Where set	Number sacks of cement	Method used	Kind of mud	Amount of mud used

PLUGS AND ADAPTERS

Adapter—Material	Size	Length	Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth—feet	Depth—feet	Depth—feet

DATES

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.
The first production for the first 24 hours was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The tenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eleventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twelfth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirteenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fourteenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifteenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixteenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventeenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighteenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The nineteenth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twentieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The twenty-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirtieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The thirty-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fortieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The forty-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fiftieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The fifty-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixtieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The sixty-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The seventy-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eightieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The eighty-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninetieth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-first production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-second production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-third production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-fourth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-fifth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-sixth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-seventh production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-eighth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The ninety-ninth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas. The hundredth production was _____ barrels of fluid of which _____ was oil, _____ was water, and _____ was gas.

EMPLOYEES

Driller	Time	Driller	Time

FORMATION RECORD

FORMATION	FORMATION	FORMATION	FORMATION

FORMATION RECORD—Continued