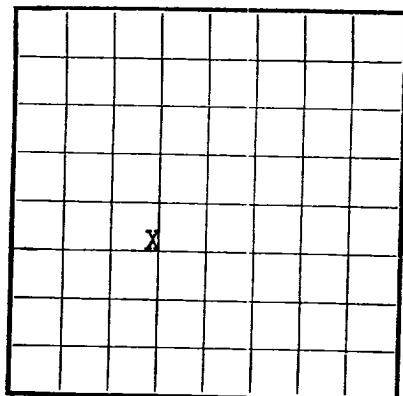


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 029513
LEASE OR PERMIT TO PROSPECT Permit

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Texas Company Address Fort Worth, Texas
Lessor or Tract D. D. Swearingin - permitted Field Lea State New Mexico
Well No. 1 Sec. 8 T. 20S R. 34E Meridian NMPM County Lea
Location 1980 ft. N. of S. Line and 1980 ft. E. of W. Line of Sec. 8 Elevation 3658'
(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 _____

Date February 14, 1935Title Division Superintendent

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

Commenced drilling Oct. 19, 1934 Finished drilling Jan. 31, 1935

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 190' to 200' No. 3, from _____ to _____
No. 2, from 835' to 960' 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—	
<u>15 1/2"</u>	<u>70#</u>	<u>8</u>	<u>Lapwd.</u>	<u>304'</u>	<u>Tex. Pat.</u>				
<u>10"</u>	<u>40#</u>	<u>8</u>	<u>"</u>	<u>775'</u>	<u>Tex. Pat.</u>				
<u>8 1/2"</u>	<u>28#</u>	<u>8</u>	<u>"</u>	<u>1527'</u>	<u>Tex. Pat.</u>				
<u>7" OD</u>	<u>24#</u>	<u>10</u>	<u>Smless</u>	<u>3828'</u>	<u>Baker Guide Shoe (SH)</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>15 1/2"</u>	<u>304'</u>	<u>Mudded</u>			
<u>10"</u>	<u>775'</u>	<u>Mudded</u>			
<u>8 1/2"</u>	<u>1527'</u>	<u>75 Sacks</u>	<u>Halliburton</u>		
<u>7"</u>	<u>3828'</u>	<u>Mudded by Halliburton method using mud, aquagel & bulls</u>			

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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to 3909' feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

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

R. K. Stovall - Carlsbad N. M. Driller Contractor R. Daugherty, Driller
J. R. Evarts, Driller T. A. Stephenson, Driller

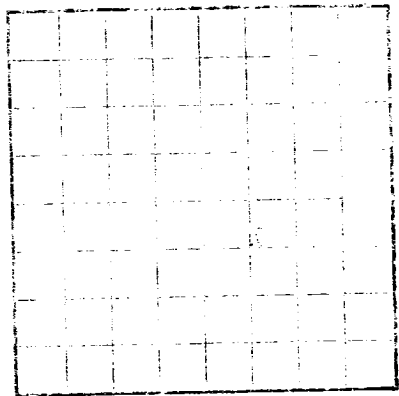
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>8</u>	<u>8</u>	<u>Red sand</u>
<u>8</u>	<u>25</u>	<u>17</u>	<u>Caliche</u>
<u>25</u>	<u>65</u>	<u>40</u>	<u>Gray sand & caliche</u>
<u>65</u>	<u>70</u>	<u>5</u>	<u>Red sand</u>
<u>70</u>	<u>180</u>	<u>110</u>	<u>Red Shale</u>
<u>180</u>	<u>190</u>	<u>10</u>	<u>Gray limey shale</u>
<u>190</u>	<u>200</u>	<u>10</u>	<u>Gray lime sand - 2 bailers water per hr.</u>
<u>200</u>	<u>720</u>	<u>520</u>	<u>Red shale</u>
<u>720</u>	<u>750</u>	<u>30</u>	<u>Fine red sand</u>
<u>750</u>	<u>805</u>	<u>55</u>	<u>Red shale</u>
<u>805</u>	<u>835</u>	<u>30</u>	<u>Red sandy shale</u>
<u>835</u>	<u>850</u>	<u>25</u>	<u>Coarse gray conglomerate - Top Santa Rosa water sand at 835'.</u>
<u>850</u>	<u>910</u>	<u>50</u>	<u>Red sandy shale</u>
<u>910</u>	<u>960</u>	<u>50</u>	<u>Gray limey sand (Water) - Base Santa Rosa formation 960'.</u>
<u>960</u>	<u>1495</u>	<u>533</u>	<u>Red sandy shale & red rock - Top Rustler anhydrite 1495'.</u>
<u>1495</u>	<u>1531</u>	<u>36</u>	<u>Hard white anhydrite</u>
<u>1531</u>	<u>1535</u>	<u>4</u>	<u>White shale</u>

(OVER)

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company Name _____ Address _____
Lessor or Tract _____ State _____
Well No. _____ Section _____ Township _____ Range _____
Location _____ of _____ Line and _____
The information given herein is a complete and correct record of the well and all work done thereon
as far as can be determined from all reliable records.

Date _____
The summary on this page is for the completion of the well at _____
(continued drilling) _____
Oil or Gas Sands or Zones _____

Water _____
No. 1 from _____
No. 2 from _____
No. 3 from _____

Information Water Sands _____
No. 1 from _____
No. 2 from _____
No. 3 from _____

Casing _____
No. 1 from _____
No. 2 from _____
No. 3 from _____

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
"struck" 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

FROM-		TO-		TOTAL FEET		FORMATION	
1535	1635	1635	1730	60	100	W & Pink anhy, Tr dolo., & salt - Top main	
1635	1695	1695	1730	35	60	White salt	
1695	1730	1730	1750	20	20	G anhy. 50%, Brown dolo. 50%	
1730	1750	1750	1950	200	200	Pink salt 70%, R shale & polyhalite 30%	
1750	1950	1950	3040	1090	1090	W & Pink salt 80%, W anhy. 10%, Pink	
3040	3060	3060	3095	35	20	Soft white anhydrite	
3060	3095	3095	3240	145	35	G anhydrite	
3240	3265	3265	3270	5	145	White salt	
3265	3280	3280	3280	15	25	White salt 80%, Br shale 20% - Base	
3280	3290	3290	3290	10	15	Gray & W. anhy. - Top 1st Br Dolo 3280'	
3290	3325	3325	3325	35	10	Brown dolo 90%, W anhy 10%	
3325	3400	3400	3400	75	35	Br & G dolo 40%, W anhy 60%	
3400	3410	3410	3410	10	75	G dolo 80%, W anhy 20%	
3410	3420	3420	3420	10	10	White anhydrite & selenite	
3420	3475	3475	3475	55	10	W anhy 80%, Br dolo 10%, G shale 10%	
3475	3530	3530	3530	55	55	W anhy 50%, G & W dolo 30%, G sh 20%	
3530	3600	3600	3610	70	55	W anhy 60%, R shale dolo 20%, greenish	
3600	3610	3610	3610	10	70	Coarse maroon, bentonitic sand, Hole	
3610	3640	3640	3640	30	10	Could not be down	
3640	3705	3705	3705	65	30	Red bentonitic sh 40%, G sdy sh 30%, W	
3705	3745	3745	3745	40	65	Top white lime 3705'	
3745	3765	3765	3765	20	40	White & buff dolo 90%, R & G bentonite 10%	
3765	3777	3777	3777	12	20	Fine gray sd 60%, gray bentonite 20%	
3777	3808	3808	3808	31	12	White dolo 80%, G sd 10%, green bentonite 10%	
3808	3818	3818	3818	10	31	W dolo, some green bentonite	
3818	3828	3828	3828	10	10	G sdy D & pyrite	
3828	3883	3883	3883	55	10	Soft W lime & red bentonite	
3883	3902	3902	3902	19	55	W. D & pyrite from	
3902	3909	3909	3909	7	19	Black crystalline dolo. 1800' sulphur water	
3909	3909	3909	3909	0	7	in four hours.	