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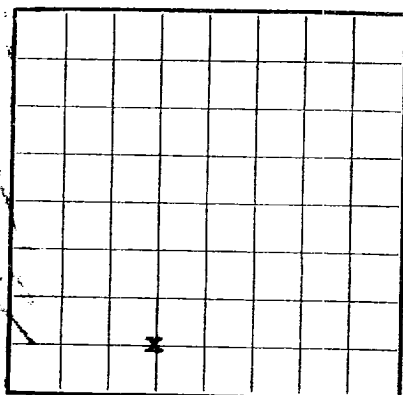
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICOBudget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE

SERIAL NUMBER

LC 061497

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Curtis Hankamer Address 1422 Bank of the Southwest Bldg.
Lessor or Tract Federal Gulf Field Wildcat Houston, 2, Texas
Well No. 1 Sec. 13 T. 26S R. 29E Meridian Eddy State New Mexico
Location 660 ft. N. of S Line and 1980 ft. E. of W Line of Section 13 Elevation 2976 KB
(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 December 24, 1958Title Engineer Phil Hankamer

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

Commenced drilling 11/21/58, 19____ Finished drilling 12/5/58, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3178 to 3220 No. 4, from _____ to _____
No. 2, from 3210 to 3216 No. 5, from _____ to _____
No. 3, from 3236 to 3266 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 130 to 300 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—	
<u>8-5/8"</u>	<u>14#</u>		<u>J-55</u>	<u>345'</u>	<u>Texas Pattern</u>				<u>Surface</u>
<u>4-1/2"</u>	<u>9#</u>	<u>8rd thrd</u>	<u>J-55</u>	<u>3276'</u>	<u>Howe</u>		<u>3210</u>	<u>3216</u>	<u>Oil</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>326'</u>	<u>135 sx</u>	<u>P&P</u>		
<u>4-1/2"</u>	<u>3263'</u>	<u>200 sx</u>			
	<u>2" tbg. set at 3184', packer at 3151'</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 _____ feet to _____ feet, and from _____ feet to _____ feet

December 24, 195858

DATES

12/10/58123

Put to producing

30

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. _____

Billy Gowen

EMPLOYEES

_____, Driller

_____, Driller

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>315</u>	<u>315</u>	<u>Sand & shale</u>
<u>315</u>	<u>510</u>	<u>195</u>	<u>Anhydrite & Limestone</u>
<u>510</u>	<u>625</u>	<u>115</u>	<u>Shale</u>
<u>625</u>	<u>1080</u>	<u>455</u>	<u>Anhydrite</u>
<u>1080</u>	<u>1375</u>	<u>295</u>	<u>Anhydrite and Salt</u>
<u>1375</u>	<u>2430</u>	<u>1055</u>	<u>Anhydrite</u>
<u>2430</u>	<u>2595</u>	<u>165</u>	<u>Salt</u>
<u>2595</u>	<u>2685</u>	<u>90</u>	<u>Anhydrite</u>
<u>2685</u>	<u>2935</u>	<u>250</u>	<u>Salt</u>
<u>2935</u>	<u>3125</u>	<u>190</u>	<u>Anhydrite</u>
<u>3125</u>	<u>3154</u>	<u>29</u>	<u>Black limey shale</u>
<u>3154</u>	<u>3266</u>	<u>112</u>	<u>Sand</u>

Elec Log Tops:

Top Delaware Lime 3125'Top Delaware Sand 3154'

Two copies of Sonic, Laterolog(Schlumberger) and
two copies of Core Analysis(Darrell Smith) attached

ST #1: oh, tested section 3246-66 ISI 750# IF 170# FF 200# FSI 30 min. 250# Rec 30' salt water

ST #2: testing zone 3205-3230 IF 35# FF 70# 30 min. SI 420, rec 180' fluid, recovery was
gas, oil and gas cut mud and salt water cut mud

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.

HISTORY OF OIL OR GAS WELL		WELLS WITH NO PRODUCTION	
10-43094-2		U. S. GOVERNMENT PRINTING OFFICE	
UNITED STATES		DEPARTMENT OF THE INTERIOR	
BUREAU OF LAND SURVEY		LOG OF OIL OR GAS WELL	
STATE OF TEXAS		WELLS WITH NO PRODUCTION	
DEC 31 1940		10-43094-2	
U. S. GOVERNMENT PRINTING OFFICE		UNITED STATES	
DEPARTMENT OF THE INTERIOR		BUREAU OF LAND SURVEY	
LOG OF OIL OR GAS WELL		STATE OF TEXAS	
WELLS WITH NO PRODUCTION		DEC 31 1940	
10-43094-2		U. S. GOVERNMENT PRINTING OFFICE	