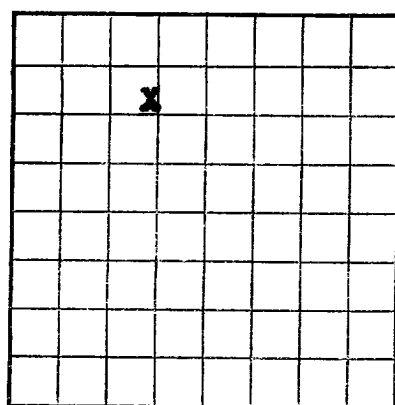


Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N.M. 02931
LEASE OR PERMIT TO PROSPECT Saunders
30-015-00430UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company R. D. Collier Address P.O. Box 798, Artesia, New Mexico
Lessor or Tract Saunders Field Empire State New Mexico
Well No. 4 Sec. 13 T. 17S R. 27E Meridian N.M.P.M. County Eddy
Location 990 ft. XX of N Line and 1650 ft. XX of W Line of Sec. 13 Elevation _____
(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 R. D. Collier (Signed)Date March 27, 1950Title Owner

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

Commenced drilling November 28, 1949 Finished drilling December 20, 1949

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 412 to 415 - 011 No. 4, from _____ to _____
No. 2, from 440 to 445 - 011 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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—	
<u>7"</u>	<u>20</u>	<u>8</u>	<u>Regular Pattern Casing Shoe</u>	<u>365'</u>					
<u>5"</u>	<u>13</u>	<u>8</u>	<u>Regular Pattern Casing Shoe</u>	<u>409'</u>					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>365'</u>	<u>25 Sacks Cement</u>	<u>Halliburton</u>		
<u>5"</u>	<u>409'</u>	<u>10 Sacks Cement</u>	<u>Halliburton</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
<u>Acidize:</u>	<u>1000 Gallons - 20% Acid</u>			<u>12/15/49</u>		<u>To Bottom</u>
	<u>Dowell Chemical</u>					

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 459' feet, and from _____ feet to _____ feet

DATES

March 27, 1950 Put to producing April 1, 1950The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
After Acidizing, production increased to 5 Barrels per day.
emulsion; _____ % water, and _____ % sediment. Gravity, _____ Bc.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____Dan Watson_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>5</u>	<u>5</u>	<u>Soil</u>
<u>5</u>	<u>50</u>	<u>45</u>	<u>Gyp</u>
<u>50</u>	<u>100</u>	<u>50</u>	<u>Anhydrite (Broken)</u>
<u>100</u>	<u>150</u>	<u>50</u>	<u>Anhydrite - Water</u>
<u>150</u>	<u>175</u>	<u>25</u>	<u>Red Bed</u>
<u>175</u>	<u>195</u>	<u>20</u>	<u>Red Bed and Anhydrite</u>
<u>195</u>	<u>225</u>	<u>30</u>	<u>Red Bed</u>
<u>225</u>	<u>300</u>	<u>75</u>	<u>Anhydrite</u>
<u>300</u>	<u>309</u>	<u>9</u>	<u>Lime</u>
<u>309</u>	<u>360</u>	<u>51</u>	<u>Anhydrite and Lime Shells</u>
<u>360</u>	<u>412</u>	<u>52</u>	<u>Anhydrite</u>
<u>412</u>	<u>415</u>	<u>3</u>	<u>Brown Lime - Show oil</u>
<u>415</u>	<u>440</u>	<u>25</u>	<u>Anhydrite</u>
<u>440</u>	<u>445</u>	<u>5</u>	<u>Brown Lime - Oil</u>
<u>445</u>	<u>459</u>	<u>14</u>	<u>Anhydrite - Total Depth</u>

(OVER)

FORMATION RECORD—Continued

16-43004-2

