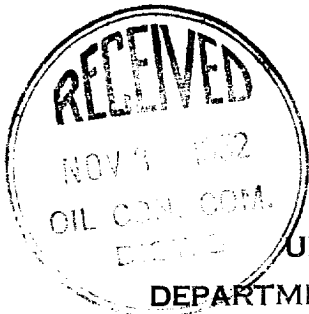
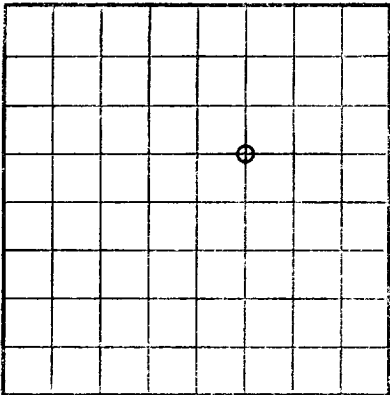




U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078301
LEASE OR PERMIT TO PROSPECT _____
SW NE Sec. 12, T24N, R10W

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Lucarne Corp. - Wilcox Company Address Mercantile Securities Building
Dallas, Texas
Lessor or Tract A. L. Duff Field Wildcat State New Mexico
Well No. 1 Sec. 12 T24N R. 10W Meridian NMPM County San Juan
Location 1980 ft. N of N Line and 1980 ft. E of E Line of Sec. 12 Elevation 6934
(Derriox 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 [Signature] Title Agent

Date May 27, 1952

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

Commenced drilling May 17, 1952 Finished drilling May 21, 1952

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 _____ 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—	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8"</u>	<u>107</u>	<u>75</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

TOOLS USED

Rotary tools were used from 0 feet to 1920 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ 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

Big Chief Drilling Company, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>107</u>	<u>107</u>	<u>Surface</u>
<u>107</u>	<u>1110</u>	<u>993</u>	<u>Grey shale & sand</u>
<u>1110</u>	<u>1170</u>	<u>60</u>	<u>Sand</u>
<u>1170</u>	<u>1550</u>	<u>380</u>	<u>Sand & grey shale streaks</u>
<u>1550</u>	<u>1790</u>	<u>240</u>	<u>Shale, grey & black, coal & sandstone streaks</u>
<u>1790</u>	<u>1812</u>	<u>22</u>	<u>Grey, very silty sand & coal</u>
<u>1812</u>	<u>1890</u>	<u>78</u>	<u>Hard grey sandstone, silty</u>
<u>1890</u>	<u>1920</u>	<u>30</u>	<u>Grey shale & sand</u>
GEOLOGIC FORMATION TOPS			
Base Tertiary (Ojo Alamo) -			
Top Upper Cretaceous (Kirtland)			<u>1170</u>
Top Fruitland			<u>1550</u>
Top Pictured Cliffs			<u>1812</u>
Top Lewis Shale			<u>1890</u>

FORMATION RECORD—Continued

[illegible]

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

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The test was temporarily abandoned since the pictured cliffs sandstone showed

water upon drill stem testing from 1918 to the total depth of 1920. The total

was open one hour and a good blow of air was had throughout. Recovered 270' of

water out drilling mud with no showings of gas. At 70', 15 minute S.I.P. 360.

Hydrostatic Pressure 940#

The tent was temporarily abandoned at 1:00 A.M., May 22, 1962, by spotting 20

Stacks of cement by Halliburton from 1964 to 1989. This cement covers the basal

Fulliland coal and the top 14' of the Fortuna sandstone.