

GEORGE A. REED

Petroleum Geologist

703 UNION NATIONAL BANK BUILDING

WICHITA 2, KANSAS

December 8, 1955

Re: Nadel and Gussman
 Legere #1
 NW SW NW 15-36-23W
 Graham County, Kansas

Nadel and Gussman
 1714 First National Building
 Tulsa 3, Oklahoma

Gentlemen:

The following is a report based upon the microscopic examination of the drill cuttings of the above captioned wildcat test.

GEOLOGICAL DATA

Elevation	2100 Kelly Bushing
Anhydrite	1037 (-4351)
Topeka Lime	3235 (-1047)
3367-3373	Limestone, granular, cherty with good porosity. Driller detected faint odor in this zone but no evidence of oil or gas was noted in wet samples. Of no value.
Heebner Shale	3411 (-1223)
Toronto Lime	3408 (-1250)
Lensing-Kansas City	3454 (-1266)
3457-3460	Limestone, cream to light gray, oolitic to collicastic with fair to good porosity and no shows.
3486-3490	Limestone, light gray, fine crystalline, with scattered good vuggy porosity. Fair amount of free oil and fair odor in wet samples. Condemned by DST #1.

3486-90
 3454 54
 32-36

Clark Snider
 AM 55022
 Didn't Set Pipe
 owwo by Samp.

3475-3491
* D.S.T. #1

Tool open 1 hour and 15 minutes.
Weak blow for 25 minutes and weak
intermittent blow for 50 minutes.
Recovered 20' of slightly oil cut
mud and 10' of very heavily oil
cut mud. BHP 0'

3520-3530

3454 54
66 - 76

Limestone, oolitic to oolitic
with fair porosity and spotted to
fair oil staining and dolomite,
fine to medium crystalline with
fair porosity and spotted to fair
oil staining. Free oil noted
and fair odor detected in wet
samples. Condensed by DST #2.

3519-3535
* D.S.T. #2

Tool open 1 hour. Weak steady blow
throughout test. Recovered 230' salt
water, no gas or oil. BHP 1170'
FP 0-120' in 20 minutes.

3606-3608

Limestone, light gray, fine
crystalline, dense with rare inert
staining. Of no value.

3643-3648

Limestone, cream to white, oolitic,
chalky, with poor porosity and
spotted inert staining. Of no
value.

Base Kansas City

3671 (-1483)

Arbuckle

3847 (-1659)

3847-3877

Dolomite, buff to light gray,
fine to coarse crystalline to
granular, with fair to good
porosity and no shows. Oolitic
chert in the top few feet.

Rotary Total Depth

3877 (-1689)

REMARKS

Structurally, on top of the Lansing-Kansas City, principal
producing formation of this area, your Legere #1 was:

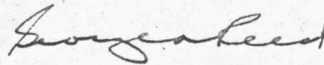
5' higher than a dry hole 1/2 mile East
26' higher than a dry hole 2 miles North
68' higher than a dry hole 1 1/2 miles South

On top of the Arbuckle formation your Legere #1 was also structurally higher than normal, being:

- 12' higher than a dry hole 1 mile East
- 53' higher than a dry hole 1/2 mile East
- 23' higher than a dry hole 2 miles North

In view of the absence of commercial showings of oil in the potentially productive formations your Legere #1 was plugged and abandoned as a dry hole.

Respectfully submitted,


George A. Reed

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