



Roy R. Krueger*

**PETROLEUM GEOLOGIST
310 South Main Street
Russell, Kansas 67665
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33-13-14w

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**GEOLOGICAL REPORT
DRISCOLL LEASE OPERATIONS**

STEWART # 1

**NW NW SE 33-13s-14w
RUSSELL COUNTY, KANSAS**

ROY R. KRUEGER

7 1984

State Geological Survey

**RECEIVED
AUG 23 1984**

**DRISCOLL LEASE OPERATIONS INC.
RUSSELL, KANSAS**

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NOV 30 1984

**CONSERVATION DIVISION
Wichita, Kansas**

33-13-14W

8-17-84

Larry Driscoll
Driscoll Lease Operations
726 Main - Box 226
Russell, Kansas 67665

Re: Driscoll Lease Operations
Stewart # 1
NW NW SE 33-13s-14w
Russell County, Kansas

Dear Larry:

The following is a Geological Report, with a Time Log attached, on the above captioned well.

All tops, and zones of porosity and staining, have been corrected to Electra electric log measurements.

Drilling was supervised, and samples were examined, from 2700' to 3400', rotary total depth.

ELEVATION	1856 GL---1861 RB	
Anhydrite	908	+ 953
Topeka	2742	- 881
Heebner	2972	-1111
Toronto	2990	-1129
Lansing-Kansas City	3027	-1166
Gorham Sand	3312	-1451
Arbuckle	3318	-1457
Rotary Total Depth	3400	-1539
5 1/2" Casing	3397	-1536

Structurally, on top of the Lansing-Kansas City, the Driscoll Lease Operations Stewart # 1 ran flat with the Clinton #1-V Boxberger "A", an Arbuckle producer one location west. On top of the Arbuckle, the Stewart # 1 ran 2' low to the # 1-V Boxberger "A".

ZONES OF INTEREST

Considering structure, and extensive drill stem testing in the west and north west offsets, there were no shows in the Topeka, Toronto, or Lansing-Kansas City considered worth further testing.

GORHAM SAND (Top 3312)

3312 to 3316
-1451 to -1455

Smoky grey, oolitic, chert grading to fine to medium grained, poorly sorted, sub-rounded, loosely consolidated, sand clusters with an occasional fair show when broken in tray and a free oil.

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ARBUCKLE (Top 3318)
3318 to 3324
-1457 to -1463

Stewart #1
33-13-14W

Fine to medium crystalline, grey, dolomite with a fair to good odor, a good show free oil, and good spotted stain.

3324 to 3400
-1463 to -1539

Grey, medium to coarse crystalline, dolomite with no show, no odor, and excellent inter-crystalline porosity.

Considering the shows of free oil in the Gorham Sand and Arbuckle Dolomite, structure, and electric log analysis, the operator, electric logger, and geologist agreed 5 1/2" casing should be cemented to further test the above described shows. It is recommended the Arbuckle be tested from 3318' to 3320' for initial completion. Prior to abandonment, the Gorham Sand should be tested from 3312' to 3316'.

Sincerely;

Roy R. Krueger

Roy R. Krueger
Petroleum Geologist

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