

*Roy R. Krueger **

PETROLEUM GEOLOGIST
310 South Main Street
Russell, Kansas 67665
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34-13-15w
COPY

15-167-22464
PR

GEOLOGICAL REPORT

DRISCOLL LEASE OPERATIONS

COADY # 2

SE SE SW 34-13s-15w

RUSSELL COUNTY, KANSAS

ROY R. KRUEGER

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OCT 16 1984

DRISCOLL LEASE OPERATIONS, INC.
RUSSELL, KANSAS

DEC 7 1984

State Geological Survey
WICHITA, KANSAS

34-13-15W

10-12-84

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

Re: Driscoll Lease Operations
Coady # 2
SE SE SW 34-13s-15w
Russell County, Kansas

Dear Larry:

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

Drilling was supervised, and samples were examined, from 2350' to 3374', rotary total depth.

All tops, and zones of porosity and staining, are based on rotary bushing measurements; and, have been corrected to the Electra electric log.

ELEVATION	1898 GL --	1903 RB
Anhydrite	937	+ 966
Tarkio Sand	2474	- 571
Tarkio Lime	2533	- 630
Howard Lime	2732	- 829
Topeka Lime	2970	- 887
Heebner Shale	3012	- 1109
Toronto Lime	3032	- 1129
Lansing-Kansas City	3064	- 1161
Base Kansas City	3310	- 1407
Gorham Sand	3320	- 1417
Rotary Total Depth	3374	- 1471
5 1/2" Casing	3369	- 1466

Structurally, on top of the Lansing-Kansas City, the Driscoll Coady # 2 ran 4' low to the Driscoll Coady # 1, a Lansing-Kansas City producer approximately one location west. On top of the Gorham Sand the Coady # 2 ran 2' low to the Coady # 1.

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ZONES OF INTEREST

TARKIO SAND (Top 2474)
2474 to 2480

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Fine grained, silty, micaceous sand clusters with a fair show free oil and no odor. (Open this zone before abandonment).

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34-13-15W

TARKIO LIME (Top 2533)
2533 to 2540
Cody #2
34-13-15W

Medium crystalline limestone with traces of free oil and no odor. Open this zone.

TOPEKA LIME (Top 2790)

There were no zones of porosity or staining in the Topeka considered worth further testing.

TORONTO LIME (Top 3032)

There was no show in the Toronto considered worth testing.

LANSING-KANSAS CITY (Top 3064)
3066 to 3070
02 to 06

Fine crystalline, cherty, lime with a good odor, isolated shows free oil, and spotted stain. Open this zone.

3090 to 3094
26 to 30

Chalky to poorly Oolitic lime with a fair odor, isolated shows free oil, and fair spotted stain. Open this zone.

3107 to 3110
43 to 46

Chalky to poorly Oolitic lime with a good odor, isolated good shows free oil, and fair spotted stain. Open this zone.

GORHAM SAND (Top 3320)
3321 to 3324
-1418 to -1421

Rounded, well sorted, well consolidated, medium grained, sand clusters with a strong odor, an excellent show free oil, and good stain and saturation. Open this zone.

3324 to 3374
-1421 to -1471

With depth the oil shows decreased, the odor remained strong, and the clusters became more coarse grained.

Based on electric log analysis and sample descriptions, it was recommended 5½" casing be cemented at 3369', 5' off bottom and 49' in the Gorham Sand with 230 sacks cement.

Sincerely;

Roy R. Krueger

Roy R. Krueger
Petroleum Geologist

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DRILLING INFORMATION ON THE COADY # 2 34-13-15W

Contractor:	Revin Drilling Co.	Drillers:	Popp Speiss Martinez
Tool Pusher	Gene Augustine		
Spud Date:	10-7-84	Date of RTD:	10-12-84
Surface Pipe:	8 5/8" @ 572/290 sx	Casing:	5 1/2" @ 3369 w/ 235 sx

TOTAL FOOTAGE DRILLED PER DAY
Under surface @ 1:45 AM on 10-8-84

2065	FEET	AT	7:00 AM	ON	10-9-84
2605	"	"	"	"	10-10-84
3062	"	"	"	"	10-11-84
3370	"	"	3:31 AM	"	10-12-84

MUD RECORD

Surface: 30 Bentonite, 3 Lime
 2225: 10 Starch
 2405: 4 Bentonite, 25 Starch, 2 Pres., 40 Gel
 2605: 3 Starch, 15 Gel
 2810: 10 Hulls, Starch 5, 30 Gel
 2435: 3 Starch
 3315: 25 Gel, 8 Starch, 2 Bentonite, 2 Hulls.

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