

J. F. Chase - Geologist - Ph. 1631X - 131 Main St. - Russell, Kansas

Bennett - Roberts & Farris #1 Kohlman (Twin) Elevation: 1731 D.F. 1734 R.B.  
 SW SW SE Sec. 32 T11S R15W (150' West) Casing Record: 8 5/8 @ 620 w/350 saxes  
 Russell County, Kansas 5 1/2 @ 3145 w/100 saxes

Commenced: July 31, 1954  
 Completed: August 9, 1954

Total Depth: 3147 Rotary  
 Fairport Pool

### SUMMARY OF FORMATIONS

(All measurements Rotary Bushing)		
Cimerron Anhydrite	760	974 (Driller)
Topeka Lime	2528	- 798
Heebner Shale	2784	-1050
Toronto Lime	2803	-1069
Douglas	2819	-1085
Lansing K.C.	2836	-1102
Basal K. C.	3066	-1332
Marmaton	3078	-1344
Gorham Sand	3145	-1411
R.T.D.	3147	-1413

Electric Logs: None

Cores: None

### Drill Stem Test:

#1 Sun Testers, single packer, 29' perforated anchor.  
 2791-2820 Tool open 1 hour, weak steady blow throughout. Recovered 35' of slight oil and gas cut mud, B.H.P. in 20 minutes, 0 p.s.i.

### SUMMARY OF POROUS ZONES

#### Topeka (2528)

- 2562-65 Limestone, buff, subcrystalline, chalky, slight to poor porosity, scattered dark stain and saturation. Non-commercial.
- 2757-61 Limestone, cream-light grey, macro-crystalline, chalky, finely fossiliferous, cherty, slight pinpoint porosity, trace of light dead stain, no free oil, slight gassy odor. Possible gas zone, appeared non-commercial.
- 2768-73 Limestone, tan, micro-crystalline, chalky, finely fossiliferous, slight pinpoint porosity, spotted light stain and saturation. No free oil or odor. Not commercial.
- 2778-82 Limestone, tan, fine crystalline, dense, partly fossiliferous, spotted pinpoint fine vugular porosity, light stain and saturation, slight gassy odor, no free oil. Zone appears to be carrying some gas. The above Topeka zone showed poor porosity and permeability, therefore a D.S.T. was not recommended.

#### Dodge (2803)

- 2803-05 Limestone, cream-tan, fine crystalline, sucrose in part, pinpoint fine intercrystalline porosity, slight odor, small show of free oil. Spotted light stain. This zone was included in D.S.T. #1 with poor results. Zone appears tight with no pressure drive recorded. This zone by itself would be rated non-commercial.

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Bennett - Roberts & Farris #1 Kohlman

SUMMARY OF POROUS ZONES

Lansing (2836)

- 2862-64 Limestone, grey-buff, fine crystalline, slightly fossiliferous,  
2866-69 cherty, spotted finely vugular porosity with spotted dead stain.  
No odor or show of oil. Zone shows very poor development for this  
area.
- 2880-87 Limestone, tan-buff, fine crystalline, sub-fossiliferous, cherty,  
spotted fine vugular porosity with dark dead stain and tar  
residue in vugs. No odor or show of free oil.
- 2907-09 Limestone, tan, fine crystalline, partly granular, pinpoint porosity  
sweet gassy odor, no free oil, spotted light stain and saturation.  
This zone does not appear to be oil bearing.
- 2916-18 Limestone, light grey, fine to medium crystalline, cherty, spotted  
2920-22 slight porosity with traces of light stain, no odor or show of  
free oil.
- 2935-41 Limestone, buff, fine crystalline, partly matted oolitic, spotted  
oolitic porosity, trace of light stain, no odor.
- 2965-68 Limestone, grey, fine crystalline, oolitic, slight oolitic  
2971-73 porosity, traces of dead stain to mostly unstained. No odor.  
3043-48 Limestone, tan-buff, fine crystalline, slightly fossiliferous,  
pinpoint fine vugular porosity, trace of light stain, no odor.  
This zone showed very poor development for this area.

Marmaton (3078)

- 3136-38 Limestone, light grey, fine crystalline, oolitic, partly oolitic,  
spotted light stain with slight odor, trace of free oil. Zone  
shows poor permeability and is not expected to produce any  
commercial quantity of oil.
- 3143-45 Limestone, grey, fine and sub-crystalline, chalky, weathered with  
green shale, slight to poor porosity and poor permeability, fair  
sour odor with fair show of free oil. Recommend that this zone  
be left behind the pipe to facilitate a more accurate test of the  
Gorham Sand.

Gorham Sand (3145)

- 3145-46 Sandstone, ill sorted, limy, cherty and pyritic, very dense,  
spotted stain.
- 3146-47 Sandstone, medium to coarse grained, slightly cherty, clusters and  
loose grains, vugular porosity, good stain and show of free oil.

REMARKS

Well ran 3' to 8' higher than B & R's #1 Kohlman through the  
Topeka and Lansing formations respectively. Zones encountered showed poor  
development and little encouragement for any commercial quantities of oil.  
The Gorham Sand structurally is 13' higher than B & R's #1 Kohlman.  
5½" Casing was set to further test the Gorham Sand.

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Respectfully submitted,

*J.F. Chase*  
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