

James Dillie

OIL AND GAS VENTURES

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### GEOLOGIC REPORT

1. Well name - Kriley F-5
2. Location - 100' S and 50' W of C NE SE NW Section 20-7S-17W  
Rooks County, Kansas
3. Operator - C.P.I.
4. Drilling contractor - Emphasis Oil Operations Rig #2
5. Commenced - 4/30/83
6. TD'd - 5/5/83 @ 3327' Driller; 3319' Logger (had 8' of fillup)
7. Elevation - 1760' GL; 1765' KB
8. Drillstem tests - none
9. Electric log - Great Guns R. A. Guard Log
10. Casing record - 1150', 8-5/8" surface; 3326' (KB) 5-1/2" production.  
Surface casing cemented with 425 sxs. common; 5-1/2"  
cemented with 175 sxs. 60/40 poz mix.

### FORMATION TOPS (FROM KELLY BUSHING)

	Kriley F-5	Randolf #4	Kriley F-3
Topeka	2695 (-930)	2666 (-922)	2690 (-924)
Heebner	2904 (-1139)	2876 (-1132)	2902 (-1136)
Toronto	2926 (-1161)	2902 (-1158)	2923 (-1157)
L-KC	2947 (-1182)	2922 (-1178)	2945 (-1179)
Base L-KC	3181 (-1416)	3150 (-1406)	3178 (-1412)
Simpson Sd.	3276 (-1511)	3237 (-1493)	3275 (-1509)
Arbuckle	3286 (-1521)	3249 (-1505)	3288 (-1522)
TD	3327 (-1562)		

### ZONES OF INTEREST (log and/or samples)

Lansing-Kansas City  
"G" 3046-3051

Limestone, white oolitic, excellent porosity and saturation, samples bubble thin gassy oil when broken, excellent odor. Structurally low but should be tested.

"I" 3112-3114

Limestone, white, vuggy, fair-good porosity with good oil show, chalky. Probably non-productive.

"J" 3130-3132

Limestone, white, vuggy, fair-excellent porosity and saturation, good odor. Test before abandoning well.

"K" 3148-3150

Limestone, tan-gray, fair-good vuggy porosity and saturation. Good odor when broken. Probably wet. Test before abandoning well.

Marmaton  
3188-3192

Siltstone, gray, saturated with black gassy oil. Probably non-productive. Test from 3190-92 before abandoning well.

Simpson Sand  
3276-3280

Sandstone, gray, medium grained, well sorted, well rounded, well cemented, fair porosity, excellent saturation and odor. Probably wet. Down dip from water tests.

Arbuckle  
3286-TD

Dolomite, white-tan-red, dense-excellent vuggy porosity, excellent saturation and odor in upper 8'. No shows below 3294'. Oil appears very thick. Structurally even with Kriley F-3. The Arbuckle has a good chance of producing. Run pipe and test.

This well was under geologic supervision from 2800'-TD. Wet samples were examined from 2800'-TD. Log calculations, along with the good sample shows, would indicate good Arbuckle potential. In addition, although structurally low, the L-KC "G" zone appears to have excellent potential. Production casing was set for further testing.

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