

# James Dillie

OIL AND GAS VENTURES

4469 SOUTH WINONA COURT

DENVER, COLORADO 80236

303-~~432-4372~~ 337-4800

May 3, 1983

## GEOLOGIC REPORT

1. Well name - Kriley G-1
2. Location - 75' E of C NW SE SW Section 20-7S-17W  
Rooks County, Kansas
3. Operator - C.P.I.
4. Drilling Contractor - Emphasis Oil Operations Rig #2
5. Commenced - 4/23/83
6. TD'd - 4/29/83 @ 3310' Driller; 3312' Logger
7. Elevation - 1756' GL; 1761' KB
8. Drillstem tests, cores - None
9. Electric log - Great Guns R.A. Guard Log
10. Casing record - 1190', 8-5/8" surface; 3311' (KB) 5-1/2 production  
surface cemented with 425 sxs. common; 5-1/2"  
cemented with 175 sxs. 60/40 poz mix
11. Geologist - James Dillie

## FORMATION TOPS (FROM KELLY BUSHING)

	Kriley E-4	Kriley G-2	Kriley G-1
Topeka	2686 (-921)	2678 (-917)	2680 (-919)
Heebner	2898 (-1133)	2888 (-1127)	2891 (-1130)
Toronto	2920 (-1155)	2913 (-1152)	2913 (-1152)
L-KC	2940 (-1175)	2934 (-1173)	2934 (-1173)
Base L-KC	3173 (-1408)	3164 (-1403)	3164 (-1403)
Simpson Sd.	None	3235 (-1474)	3233 (-1472)
Arbuckle	3250 (-1485)	3244 (-1483)	3239 (-1478)
T.D.	3298 (-1533)	3307 (-1546)	3312 (-1551)

## Zones of interest (log and/or samples)

- Toronto 2914-17      Limestone, white, vuggy, fair-good porosity, not much live oil. Looks tite on logs.
- Lansing-Kansas City  
"C" 2969-72      Limestone, tan, pinpoint vugs, slight oil show, good odor. Looks wet on logs.
- "G" 3029-40      Limestone, white, oolitic, excellent porosity, fair stain, very little free oil, excellent odor in sample cup. Due to structural position zone is probably wet.
- "I" 3092-97      Limestone, white, vuggy, fair-good porosity, slight stain, no odor, some chalky with free oil show when broken. Limestone, tan, vuggy, excellent porosity, excellent live oil show, good odor. Test before abandoning well.

"J" 3110-15

Limestone, crystalline - vuggy, fair-good porosity, slight stain, excellent odor in sample cup. Looks tite on logs. Test before abandoning well.

"K" 3132-35

Limestone, buff, vuggy, fair-good porosity, fair-good show of gassey oil. Looks wet on logs. Test before abandoning well.

Arbuckle 3239-TD

Dolomite, variegated, crystalline-vuggy, dense-excellent porosity, excellent saturation and odor from 3239-82, much chert upper 4 feet. Dolomite, variegated, crystalline-vuggy, primarily dense, no show except for some tarry oil from 3282-3304. From 3304-06 had a dolomite white, with few well rounded quartz grains, fair-excellent porosity, with good saturation and odor. I noted something in the vuggy samples that I haven't seen before. There is a white material (clay?) lining some of the vugs in the Upper Arbuckle (3239-82). I'm not sure if this will affect productivity. Run pipe and test.

This well was under geologic supervision from 2830-TD. Wet samples were examined from 2800-TD. The electric log calculations, along with the excellent sample shows, would indicate Arbuckle production. Production casing was set for further testing.

*James Dillie*  
James Dillie (Lew)  
Consulting Geologist

JD/lew