

James Dillie

OIL AND GAS VENTURES

4469 SOUTH WINONA COURT
DENVER, COLORADO 80236303-~~446-0000~~ 337-4800

GEOLOGIC REPORT

1. Well name - Kriley E-4 NW
2. Location - 150' E of C SW NE SW Section 20-7S-17W
Rooks County, Kansas
3. Operator - C.P.I.
4. Drilling Contractor - Emphasis Oil Operations Rig #2
5. Commenced - 3/13/83
6. TD'd - 3/24/83 @ 3297' Driller; 3298 Logger
7. Elevation - 1760' GL; 1765' KB
8. Drill stem tests - none
9. Cores - 3238' - 3297'; 4" diameter core by Christensen Diamond
Coring. Analysis done by Core Labs, Inc.
10. Electric log - Great Guns R.A. Guard Log
11. Casing record - 1197', 8-5/8" surface; 3297' (KB) 5-1/2"
12. Geologist - James Dillie

FORMATION TOPS
(FROM KELLY BUSHING)

	Kriley E-4	Kriley E-3	Kriley E-1
Topeka	2686 (-921)	2692 (-928)	2690 (-922)
Heebner	2898 (-1133)	2904 (-1141)	2900 (-1132)
Toronto	2920 (-1155)	2928 (-1164)	2923 (-1155)
L-KC	2940 (-1175)	2946 (-1182)	2943 (-1175)
Base L-KC	3173 (-1408)	3174 (-1410)	3172 (-1404)
Simpson Sd.	None --	3256 (-1492)	3260 (-1492)
Arbuckle	3250 (-1485)	3268 (-1504)	3271 (-1503)
TD	3298 (-1533)	3308 (-1544)	

ZONES OF INTEREST (LOG AND/OR SAMPLES)

Lansing-Kansas City
"C" 2977-82

LS, variegated, VF-VL crystalline, mostly dense, few with pinpoint vugs with good live bubbly oil show. Very low porosity. Probably non-productive.

"G" 3034-44

LS, white, oolitic-oolicastic, good-excellent porosity, oolitic with good bubbling gasey oil show and good odor; oolicastic with slight oil stain. Due to structural position (-1269) this zone may be wet but should be tested.

"I" 3101-04

LS, white, with pinpoint vugs with fair live oil show, vugs have chalk infill. Due to chalk this zone need not be tested.

"J" 3117-22

LS, variegated, VF-M crystalline-fossiliferous, mostly dense, some with fair good porosity with slight show of free oil. Probably non-productive

"K" 3140-42

LS, white with pinpoint vugs with good live oil show. This zone may be wet. Test before abandoning well.

"L" 3162-64

LS, oolitic with fair-good porosity with good live oil show. Test before abandoning well.

Arbuckle (from Core)
3250'3297

Dolomite, crystalline-vuggy-very vuggy, with fair-good intercrystalline porosity, good-excellent vuggy porosity, some fractures. Vuggy zones are friable-very friable. The core is saturated with oil throughout porous zones. Top of core (2-2.5 feet) is conglomeritic to cherty. There are a few chert and/or dense zones in the upper 38 feet of core. The bottom seven feet of the core is primarily chert and dense dolomite (there are some small vugs). Need to run pipe. The Arbuckle should produce.

This well was under geologic supervision from 2700'-TD. Wet samples were examined from 2600-3238'. An on site core examination, and the electric log calculations, would indicate Arbuckle production so casing was set for further testing.

James Dillie

James Dillie
Consulting Geologist

JD/lew