

# GEOLOGICAL REPORT

Leon C. Smitherman, Jr.

Mellor #1-1

W/2 SE SW SW Section 19-T24S-R5E

Butler County, Kansas

COMMENCED: 06-25-14  
 COMPLETED: 06-28-14  
 CONTRACTOR: Gulick Drilling Company  
 SIZE OF HOLE: 7 7/8"  
 SURFACE PIPE: 8 5/8"  
 CEMENTED WITH: N/A  
 LONG STRING: 5 1/2"  
 CEMENTED WITH: N/A  
 R.T.D.: 2775'

William M. Stout  
 Geologist

*William M. Stout*  
 6-29-14

## FORMATION TOPS

1368 G.L. 1376 K.B.

	Sample	Log
Mississippi Chert	2514 -1138	2512 -1136
Mississippi Lime	2624 -1248	2623 -1247
Kinderhook	2634 -1258	2628 -1252
Total Depth	2775 -1399	2775 -1399

## SAMPLE DESCRIPTIONS

Mississippi Chert 2514' (-1138)  
 2514' - 2544'

Chert - light brown, off white, amber, opaque to translucent, some weathered, fair odor, brown stain, scattered pin point and vugular porosity with show free oil few gas bubbles and good fluorescence.

## CONCLUSIONS

The decision was made to set and cement 5 1/2" casing to further evaluate the shows in the Mississippian through perforations.

