



Scale: 5" / 100'  
Measured Depth Log

**Well Name** Brown #13  
**Location** 2037' FSL & 1970' FEL  
**State** Kansas **County** Cowley  
**Country** USA **Rig Number** Gulick Drilling Rig 1  
**API Number** 15-035-24,594-00-00  
**Region** Midcon **Field** Albright  
**Spud Date** 8/18/2014 **Drilling Completed** 8/23/2014  
**Bottom Hole Coordinates** Vertical Test  
**Ground Elevation** 1270' **K.B. Elevation** 1278'  
**Logged Interval** 2400' **To** 3503' **Total Depth** 3503' RTD  
**Formation** Mississippian  
**Type of Drilling Fluid** Chemical

## Operator

**Company** W.D. Short Oil Company  
**Address** 126 South River Rd  
Oxford, Kansas

## Geologist

**Name** Daniel T. Johnson  
**Company** Consulting Geologist/ Gas Detection System  
**Address** 19749 121st Rd  
Winfield, Kansas 67156  
620-229-3258  
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## Other

Casing: 85/8" set at 214'  
5 1/2" set at 3495'

Summary Production casing was set to further test the Lower Mississippian carbonates.

E logs: Pioneer Wireline Services  
CDL/CPL,DIL,MEL,CSL,Fracfinder

## Rock Types

 LIMESTONE  
 DOLOMITE

 CHERT  
 COAL

 SHALE GRAY  
 SHALE COLORED




 SANDSTONE

## Accessories

### Minerals

- ARGILLACEOUS
- ⊥ CALCAREOUS
- ∠ DOLOMITIC
- ∨ GLAUCONITE
- ∧ SILICEOUS

### Stringer

-  DOLOMITE STRINGER
-  MARLSTONE (CALC) STRG
-  SANDSTONE STRINGER

## Other Symbols

### Engineering

-  OIL SHOW

### Porosity

- F FRACTURE
- × INTERCRYSTALLINE
- ∩ MOLDIC
- ∨ VUGGY