

McGown Drilling, Inc.
Mound City, Kansas

Operator:

N & W Enterprises, Inc.
Fort Scott, KS

Franklin #3 Inj.

Crawford Co., KS
29-28S-22E
API: 15-037-22248

Spud Date: 10/7/2013
Surface Casing: 7 5/8"
Surface Length: 20.0'
Surface Cement: 5 sx

Surface Bit: 11"
Drill Bit: 5.875"
Longstring: 425.35'
Longstring Date: 10/8/2013

Driller's Log

| Top | Bottom | Formation | Comments |
|------------|-----------|-------------------|-------------------------------|
| 0 | 6 | Soil | |
| 6 | 70 | Shale | |
| 70 | 118 | Lime | |
| 118 | 154 | Bl. Shale & Shale | |
| 154 | 182 | Sand | Grey |
| 182 | 184 | Coal | |
| 184 | 189 | Shale | |
| 189 | 207 | Lime | 20' |
| 207 | 216 | Shale | |
| 216 | 220 | Lime | 5' |
| 220 | 233 | Bl. Shale & Shale | |
| 233 | 237 | Sand | Light bleed, laminated sand |
| 237 | 252 | Sandy Shale | |
| 252 | 327 | Shale | |
| 327 | 328 | Coal | |
| 328 | 372 | Shale | |
| 372 | 378 | Sandy Shale | Grey |
| 378 | 379 | Coal | |
| 379 | 394 | Shale | |
| 394 | 412 | Sand | Good oil show, real good odor |
| 412 | 430 | Shale | |
| 430 | TD | | |