# McPherson Drilling LLC Drillers Log

| | | | |
|---|---|---|---|
| **Rig Number:** | **2** | **S. 15** | **T. 34** **R.13 E** |
| **API No. -15-** | **019-27284** | County: | **CQ** |
| | Elev. 762 | Location: | NE NE SW SW |

**Gas Tests:**

| | | | | |
|---|---|---|---|---|
| Operator: | G & J OIL CO., INC | | | |
| Address: | PO BOX 188 | | | |
| | CANEY, KS 67333 | | | |
| Well No: | **13-01** | Lease Name: | **BRANT** | |
| Footage Location: | | 1001 ft. from the | SOUTH | Line |
| | | 4213 ft. from the | EAST | Line |
| Drilling Contractor: | **McPherson Drilling LLC** | | | |
| Spud date: | 1/16/2013 | Geologist: | | |
| Date Completed: | 1/19/2013 | Total Depth: | 803' | |

**Casing Record**

| | Surface | Production |
|---|---|---|
| Size Hole: | 11" | 6 1/4" |
| Size Casing: | 7" | |
| Weight: | 23# | |
| Setting Depth: | 42 | N/C |
| Type Cement: | Port | |
| Sacks: | 8 | N/C |

**Rig Time:**

DRILLER: MAC

Comments:
Start injecting @

**Well Log**

| Formation | Top | Btm. | HRS. | Formation | Top | Btm. | | Formation | Top | Btm. |
|---|---|---|---|---|---|---|---|---|---|---|
| soil/clay | 0 | 5 | | | | | | | | |
| shale | 5 | 38 | | | | | | | | |
| lime | 38 | 40 | | | | | | | | |
| shale | 40 | 43 | | | | | | | | |
| sand | 43 | 58 | | | | | | | | |
| shale | 58 | 96 | | | | | | | | |
| lime wet | 96 | 117 | | | | | | | | |
| sand shale | 117 | 142 | | | | | | | | |
| sand | 142 | 204 | | | | | | | | |
| sand shale | 204 | 218 | | | | | | | | |
| sand | 218 | 224 | | | | | | | | |
| shale | 224 | 280 | | | | | | | | |
| sand | 280 | 365 | | | | | | | | |
| shale | 365 | 380 | | | | | | | | |
| lime | 380 | 388 | | | | | | | | |
| shale | 388 | 417 | | | | | | | | |
| lime | 417 | 459 | | | | | | | | |
| sand wet | 459 | 471 | | | | | | | | |
| shale | 471 | 716 | | | | | | | | |
| lime | 716 | 736 | | | | | | | | |
| oil sand | 736 | 767 | | | | | | | | |
| shale | 767 | 803 TD | | | | | | | | |