McPherson Drilling LLC AFE # D13132 **Drillers Log** McPherson Drilling LLC

| | |
|---|---|
| Rig Number: 2 | S. 27 T. 28 R. 17E |
| API No. 15-205-28186 | County: Wilson |
| Elev. 1012' | Location: SE-NW-NE-SW |

| | |
|---|---|
| Operator: Post Rock midcontinent Production | |
| Address: Oklahoma Tower 210 Park Ave Ste 2750 | |
| Oklahoma city OK 73102 | |
| Well No: 27-8 | Lease Name: Bollig, Robert J |
| Footage Location: 2175 | ft. from the (N) (S) Line |
| 1900 | ft. from the (E) (W) Line |
| Drilling Contractor: McPherson Drilling LLC | |
| Spud date: 6/28/13 | Geologist: |
| Date Completed: 6/29/13 | Total Depth: 1030' |

| Casing Record | Surface | Production |
|---|---|---|
| Size Hole: | 11" | 7 7/8" |
| Size Casing: | 8 5/8" | |
| Weight: | 23# | |
| Setting Depth: | 23' | Post Rock |
| Type Cement: | Port | " " |
| Sacks: | 5 | |

**Rig Time:**

**Gas Tests:**

780' Slight Blow
1006' Lime

Put a little oil on Pit from 975' to 985'

Fri water @ 400'

**Well Log**

| Formation | Top | Btm. |
|---|---|---|
| Clay | 0 | 8 |
| Shale | 8 | 170 |
| Coal | 170 | 171 |
| sandy shale | 171 | 192 |
| shale | 192 | 196 |
| Lime | 196 | 200 |
| shale | 200 | 236 |
| Lime | 236 | 240 |
| shale | 240 | 242 |
| Lime | 242 | 250 |
| Shale | 250 | 262 |
| Lime | 262 | 302 |
| Shale | 302 | 363 |
| Coal | 363 | 364 |
| Shale | 364 | 389 |
| Lime | 389 | 412 |
| Shale | 412 | 429 |
| Lime | 429 | 434 |
| Shale | 434 | 503 |
| Lime | 503 | 529 |
| shale | 529 | 540 |
| Lime | 540 | 549 |
| Shale | 549 | 562 |
| Sand | 562 | 571 |
| shale | 571 | 636 |
| Lime | 636 | 642 |
| Coal | 642 | 644 |
| Lime | 644 | 674 |
| shale | 674 | 704 |
| SW Lime | 704 | 737 |
| Gypsum | 737 | 744 |
| Lime | 744 | 753 |
| mulkey | 753 | 756 |
| Lime | 756 | 758 |
| Shale | 758 | 765 |
| Oil Sand | 765 | 773 |
| Sand/Shale | 773 | 778 |
| Oil Sand | 778 | 791 |
| Sand/Shale | 791 | 820 |
| Coal | 820 | 821 |
| Shale | 821 | 839 |
| coal | 839 | 840 |
| Shale | 840 | 898 |
| Sand | 898 | 912 |
| Sand/Shale | 912 | 924 |
| Shale | 924 | 932 |
| Coal | 932 | 933 |
| Shale | 933 | 946 |
| Sand | 946 | 954 |
| Oil Sand | 954 | 986 |
| coal | 986 | 987 |
| Shale | 987 | 1030 |