McGOWN DRILLING, INC.

Mound City, KS
620.224.7406

| Well # | | | |
|---|---|---|---|
| MARTIN #E-22 | | | |
| RJ ENERGY, LLC | | | |
| API #: | 15-003-26631 | S-T-R: | 30-22-19E |
| County: | Anderson | Date: | 12/4/2018 |

| Casing | | | |
|---|---|---|---|
| Surface | | Longstring | |
| Size: | 7.0 " | Size: | 2 7/8 " |
| Tally: | 20 ' | Tally: | 902.35 ' |
| Cement: | 4 sx | Bit: | 5.875 " |
| Bit: | 9.875 " | Date: | 12/6/2018 |

| Top | Base | Formation | Top | Base | Formation |
|---|---|---|---|---|---|
| 0 | 2 | Soil | | | |
| 2 | 6 | Clay & gravel | | | |
| 6 | 23 | Lime | | | |
| 23 | 25 | Shale | | | |
| 25 | 39 | Lime | | | |
| 39 | 133 | Shale | | | |
| 133 | 148 | Lime | | | |
| 148 | 230 | Shale | | | |
| 230 | 268 | Lime | | | |
| 268 | 299 | Shale | | | |
| 299 | 303 | Lime | | | |
| 303 | 339 | Shale | | | |
| 339 | 401 | Lime | | | |
| 401 | 406 | Shale | | | |
| 406 | 452 | Lime | | | |
| 452 | 631 | Shale | | | |
| 631 | 663 | Lime | | | |
| 663 | 727 | Shale | | | |
| 727 | 752 | Lime | | | |
| 752 | 767 | Shale | | | |
| 767 | 776 | Lime | | | |
| 776 | 792 | Shale | | | |
| 792 | 797 | Lime | | | |
| 797 | 807 | Shale | | | |
| 809 | 811 | Lime | | | |
| 811 | 827 | Shale | | | |
| 827 | 850 | Sand | | | |
| 850 | 906 | Sandy shale | | | |
| 906 | | TD | | | |

**Total Depth: 906**

| Sand / Core Detail | | |
|---|---|---|
| Core #1: | | Core #2: |
| 827 | 829 | Good odor in samples, very laminated, mostly shale. |
| 829 | 832 | Sandy shale, slight odor. |
| 832 | 836 | Laminated sand, good bleed, good odor. |
| 836 | 842 | Laminated sand, mostly sand, really good bleed. |
| 842 | 846 | Laminated, good bleed, mostly shale. |
| 846 | 850 | Laminated, slight odor, looks like water washed. |