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# McGOWN

DRILLING, INC.

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**Operator:**  
RJ Energy, LLC  
Garnett, KS

**Martin #9-1**  
Anderson Co, KS  
30-22-19E  
API #: 003-26598-00-00

|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Spud Date:</b>      | 6/6/2017  | <b>Surface Bit:</b>     | 9.875"   |
| <b>Surface Casing:</b> | 7.0"      | <b>Drill Bit:</b>       | 5.875"   |
| <b>Surface Length:</b> | 20'       | <b>Longstring:</b>      | 869.15'  |
| <b>Surface Cement:</b> | 4 sx      | <b>Longstring Date:</b> | 6/7/2017 |
| <b>Longstring:</b>     | 2 7/8 EUE |                         |          |

## Driller's Log

| Top | Bottom | Formation   | Comments |
|-----|--------|-------------|----------|
| 0   | 2      | Soil        |          |
| 2   | 10     | Clay        |          |
| 10  | 44     | Lime        |          |
| 44  | 148    | Shale       |          |
| 148 | 160    | Lime        |          |
| 160 | 167    | Shale       |          |
| 167 | 170    | Lime        |          |
| 170 | 180    | Sandy Shale |          |
| 180 | 222    | Shale       |          |
| 222 | 259    | Lime        |          |
| 259 | 265    | Shale       |          |
| 265 | 267    | Lime        |          |
| 267 | 277    | Sandy Shale |          |
| 277 | 293    | Shale       |          |
| 293 | 296    | Lime        |          |
| 296 | 336    | Shale       |          |
| 336 | 438    | Lime        |          |
| 438 | 440    | Shale       |          |
| 440 | 448    | Lime        |          |
| 448 | 522    | Shale       |          |
| 522 | 582    | Muddy Shale |          |
| 582 | 624    | Shale       |          |
| 624 | 657    | Lime        |          |
| 657 | 724    | Shale       |          |

Martin #9-1  
Anderson, Co, KS

|            |     |             |  |
|------------|-----|-------------|--|
| 724        | 737 | Lime        |  |
| 737        | 747 | Shale       |  |
| 747        | 751 | Lime        |  |
| 751        | 805 | Shale       |  |
| 805        | 810 | Lime        |  |
| 810        | 807 | Shale       |  |
| 826        | 830 | Sand        | Slight odor, shale (sandy)                 |
| 830        | 834 | Sand        | Good bleed, solid sand                     |
| 834        | 838 | Sand        | Sandy shale & sand, slight bleed, very bro |
| 838        | 846 | Sand        | Sandy shale, slight odor                   |
| 846        | 850 | Sand        | Good odor, fair bleed                      |
| 850        | 875 | Sandy Shale | Sandy shale, slight odor                   |
| <b>875</b> |     | <b>TD</b>   |  |