

Air Drilling Specialist  
Oil & Gas Wells

**THORNTON AIR ROTARY, LLC**  
Office Phone: 620-879-2073

PO Box 449  
Caney, KS 67333

|                |                  |
|----------------|------------------|
| Date Started   | <b>2/28/2013</b> |
| Date Completed | <b>3/1/2013</b>  |

| Operator                | A.P.I #                   | County        | State         |
|-------------------------|---------------------------|---------------|---------------|
| <b>Post Rock Energy</b> | <b>15-133-27639-00-00</b> | <b>Neosho</b> | <b>Kansas</b> |

| Well No.    | Lease                        | Sec.      | Twp.      | Rge.      |
|-------------|------------------------------|-----------|-----------|-----------|
| <b>15-8</b> | <b>Grosdidier, Francis E</b> | <b>15</b> | <b>28</b> | <b>20</b> |

| Type       | Driller                  | Cement Used | Casing Used      | Depth      | Size of Hole |
|------------|--------------------------|-------------|------------------|------------|--------------|
| <b>Oil</b> | <b>Brantley Thornton</b> | <b>5</b>    | <b>23' 8 5/8</b> | <b>631</b> | <b>7 7/8</b> |

### Formation Record

|         |                       |         |                         |  |  |
|---------|-----------------------|---------|-------------------------|--|--|
| 0-6     | MUD                   | 429-485 | SAND                    |  |  |
| 6-8     | LIME                  | 485-495 | SAND / GOOD ODOR & SHOW |  |  |
| 8-12    | COAL                  | 495-500 | SANDY SHALE / LT ODOR   |  |  |
| 12-14   | LIME                  | 500-506 | SANDY SHALE             |  |  |
| 14-18   | SAND                  | 506-507 | COAL                    |  |  |
| 18-20   | LIME                  | 507-549 | SANDY SHALE             |  |  |
| 20-50   | SAND                  | 549-550 | COAL                    |  |  |
| 50-54   | SAND / WET            | 550-631 | SANDY SHALE             |  |  |
| 54-80   | SANDY SHALE/ DAMP     | 631     | TD                      |  |  |
| 80-90   | LIME                  |         |                         |  |  |
| 90-100  | SANDY SHALE           |         |                         |  |  |
| 100-120 | LIME                  |         |                         |  |  |
| 105     | WENT TO WATER         |         |                         |  |  |
| 120-185 | SHALE                 |         |                         |  |  |
| 185-225 | LIME (PAWNEE)         |         |                         |  |  |
| 225-270 | SHALE                 |         |                         |  |  |
| 270-272 | COAL                  |         |                         |  |  |
| 272-276 | SAND                  |         |                         |  |  |
| 276-295 | LIME (OSWEGO)         |         |                         |  |  |
| 295-302 | BLK SHALE (SUMMIT)    |         |                         |  |  |
| 302-304 | COAL                  |         |                         |  |  |
| 304-309 | LIME                  |         |                         |  |  |
| 309-315 | BLK SHALE (MULKY)     |         |                         |  |  |
| 315-317 | LIME                  |         |                         |  |  |
| 317-320 | SHALE                 |         |                         |  |  |
| 320-330 | SAND / LT ODOR & SHOW |         |                         |  |  |
| 330-422 | SANDY SHALE           |         |                         |  |  |
| 422-424 | LIME                  |         |                         |  |  |
| 424-427 | SANDY SHALE           |         |                         |  |  |
| 427-429 | COAL                  |         |                         |  |  |