

Air Drilling Specialist  
Oil & Gas Wells

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

PO Box 449  
Caney, KS 67333

|                |                  |
|----------------|------------------|
| Date Started   | <b>10/4/2012</b> |
| Date Completed | <b>10/8/2012</b> |

| Operator           | A.P.I #                   | County      | State         |
|--------------------|---------------------------|-------------|---------------|
| <b>Colt Energy</b> | <b>15-107-24639-00-00</b> | <b>Linn</b> | <b>Kansas</b> |

| Well No.    | Lease                        | Sec.      | Twp.      | Rge.      |
|-------------|------------------------------|-----------|-----------|-----------|
| <b>J 10</b> | <b>Mitchell Family Trust</b> | <b>36</b> | <b>21</b> | <b>21</b> |

| Type       | Driller                  | Cement Used | Casing Used         | Depth      | Size of Hole |
|------------|--------------------------|-------------|---------------------|------------|--------------|
| <b>Oil</b> | <b>Brantley Thornton</b> | <b>4</b>    | <b>21' 4" 8 5/8</b> | <b>836</b> | <b>6 3/4</b> |

### Formation Record

|         |                         |         |                  |         |                    |
|---------|-------------------------|---------|------------------|---------|--------------------|
| 0-10    | MUD                     | 444-446 | SHALE            | 800-835 | CHERT/CHAT (MISS.) |
| 10-54   | LIME                    | 446-453 | LIME             | 835-837 | LIME               |
| 54-61   | SHALE                   | 453-456 | SHALE            | 837     | TD                 |
| 61-77   | LIME                    | 456-470 | SAND             |         |                    |
| 77-87   | SHALE                   | 470-530 | SHALE            |         |                    |
| 87-105  | LIME                    | 530-531 | COAL             |         |                    |
| 105-225 | SHALE                   | 531-545 | SHALE            |         |                    |
| 225-240 | SAND                    | 545-547 | LIME (V-LIME)    |         |                    |
| 240-258 | SHALE                   | 547-548 | SHALE            |         |                    |
| 258-259 | COAL                    | 548-549 | COAL (CROWBERG)  |         |                    |
| 259-276 | SANDY SHALE             | 549-573 | SHALE            |         |                    |
| 276-278 | RED SHALE               | 573-574 | COAL             |         |                    |
| 278-280 | SHALE                   | 574-598 | SHALE            |         |                    |
| 280-282 | LIME                    | 598-599 | COAL             |         |                    |
| 282-287 | SHALE                   | 599-617 | SHALE            |         |                    |
| 287-296 | LIME                    | 617-618 | COAL             |         |                    |
| 296-301 | SAND                    | 618-644 | SHALE            |         |                    |
| 301-320 | SHALE                   | 644-651 | BLK SHALE        |         |                    |
| 320-330 | SAND                    | 651-709 | SHALE            |         |                    |
| 330-345 | SANDY SHALE             | 709-748 | SAND / DAMP      |         |                    |
| 345-346 | COAL                    | 736     | WENT TO WATER    |         |                    |
| 346-367 | LIME                    | 748-758 | SHALE            |         |                    |
| 367-376 | SHALE                   | 758-759 | COAL             |         |                    |
| 376-380 | LIME                    | 759-779 | SHALE            |         |                    |
| 380-381 | COAL                    | 779-787 | SAND / LITE ODOR |         |                    |
| 381-409 | SHALE                   | 780     | CORE POINT       |         |                    |
| 409-427 | LIME (OSWEGO)           | 780-787 | SAND             |         |                    |
| 427-433 | BLK SHALE (SUMMIT)      | 787-790 | SHALE            |         |                    |
| 433-440 | LIME                    | 790-793 | COAL             |         |                    |
| 440-444 | BLK SHALE (MULKY) /DAMP | 793-800 | BLACK SHALE      |         |                    |