

Air Drilling Specialist
Oil & Gas Wells

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

PO Box 449
Caney, KS 67333

| | |
|----------------|-----------|
| Date Started | 1/20/2014 |
| Date Completed | 1/29/2014 |

| Operator | A.P.I # | County | State |
|-------------|--------------------|--------|--------|
| Colt Energy | 15-001-30837-00-00 | Allen | Kansas |

| Well No. | Lease | Sec. | Twp. | Rge. |
|----------|-------|------|------|------|
| V9-i | Knox | 23 | 25 | 19 |

| Type | Driller | Cement Used | Casing Used | Depth | Size of Hole |
|------|----------------|-------------|-------------|-------|--------------|
| Oil | Billy Thornton | 4 | 20' 8 5/8 | 961 | 6 3/4 |

Formation Record

| | | | | | |
|----------|-----------------|---------|--------------------|---------|-----------------------|
| 0-4 | DIRT | 543-546 | SHALE | 798-806 | SANDY SHALE |
| 4-12 | CLAY | 546-563 | LIME (PAWNEE) | 806-820 | SHALE |
| 12-42 | LIME | 563-566 | SHALE | 820-821 | COAL |
| 42-115 | SHALE | 566-572 | LIME | 821-845 | SANDY SHALE |
| 115-116 | COAL | 572-579 | BLACK SHALE | 845-849 | BROWN SAND / OIL SHOW |
| 116-120 | SANDY SHALE | 579-580 | COAL (LEXINGTON) | 845-865 | CORE - 2ND |
| 120-142 | SAND / DAMP | 580-584 | SHALE | 849-856 | SANDY SHALE |
| 142-171 | LIME | 584-614 | SANDY SHALE | 856-863 | BROWN SAND |
| 171-183 | SHALE | 614-633 | LIME (OSWEGO) | 863-864 | COAL |
| 183-197 | LIME | 611 | WENT TO WATER | 864-870 | SHALE |
| 197-207 | BLACK SHALE | 633-638 | BLK SHALE (SUMMIT) | 870-876 | BLACK SHALE |
| 207-226 | LIME | 638-644 | LIME | 876-946 | SHALE |
| 226-228 | BLACK SHALE | 644-648 | BLACK SHALE | 946-953 | SAND |
| 228-244 | LIME | 648-649 | COAL (MULKY) | 953-961 | SANDY SHALE |
| 244-250 | SHALE | 649-658 | SAND | 961 | TD |
| 250-258 | LIME | 658-714 | SHALE | | |
| 258-380 | SHALE | 714-728 | SAND | | |
| 380-383 | BLACK SHALE | 728-731 | SHALE | | |
| 383-430 | SANDY SHALE | 731-733 | LIME (V-LIME) | | |
| 430-433 | BLACK SHALE | 733-735 | SHALE | | |
| 433-441 | SHALE | 735-736 | COAL (CROWBERG) | | |
| 441-447 | LIME | 736-748 | SANDY SHALE | | |
| 447-463 | SAND | 748-753 | SHALE | | |
| 463-471 | LIME | 753-756 | BLACK SHALE | | |
| 471-485 | SHALE | 756-757 | COAL | | |
| 485-489 | LIME | 757-778 | SHALE | | |
| 489--525 | SAND | 778-784 | SAND / OIL SHOW | | |
| 525-540 | SHALE | 780-800 | CORE - 1ST | | |
| 540-542 | LIME | 784-794 | SANDY SHALE | | |
| 542-543 | COAL (MULBERRY) | 794-798 | SAND | | |