

Air Drilling Specialist  
Oil & Gas Wells

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

PO Box 449  
Caney, KS 67333

|                |                  |
|----------------|------------------|
| Date Started   | <b>3/21/2014</b> |
| Date Completed | <b>3/25/2014</b> |

| Operator               | A.P.I #                   | County            | State         |
|------------------------|---------------------------|-------------------|---------------|
| <b>L R Energy Inc.</b> | <b>15-125-32413-00-00</b> | <b>Montgomery</b> | <b>Kansas</b> |

| Well No.     | Lease         | Section   | Township  | Range     |
|--------------|---------------|-----------|-----------|-----------|
| <b>12-31</b> | <b>Oliver</b> | <b>31</b> | <b>32</b> | <b>14</b> |

| Type of Well | Driller               | Cement   | Surface            | TD          | Size of Hole |
|--------------|-----------------------|----------|--------------------|-------------|--------------|
| <b>Gas</b>   | <b>Billy Thornton</b> | <b>8</b> | <b>42'2" 8 5/8</b> | <b>1336</b> | <b>6 3/4</b> |

|         |               |           |                    |           |                        |
|---------|---------------|-----------|--------------------|-----------|------------------------|
| 0-2     | DIRT          | 630-748   | SHALE              | 1166-1168 | LIME (V-LIME)          |
| 2-6     | SAND / WET    | 748-753   | LIME               | 1168-1169 | COAL (CROWBERG)        |
| 6-25    | CLAY          | 753-760   | SHALE              | 1169-1174 | SANDY SHALE            |
| 25-90   | SHALE         | 760-770   | LIME               | 1174-1184 | SAND                   |
| 90-95   | LIME          | 770-802   | SAND               | 1184-1206 | SHALE                  |
| 95-105  | SHALE         | 802-826   | SHALE              | 1206-1207 | BLK SHALE / COAL       |
| 105-120 | LIME / DAMP   | 826-856   | LIME               | 1207-1217 | SHALE                  |
| 120-124 | SHALE         | 856-868   | SHALE              | 1217-1218 | COAL                   |
| 124-125 | LIME          | 868-877   | SAND / GOOD ODOR   | 1218-1230 | SHALE                  |
| 125-131 | SAND          | 877-880   | SAND/ LT ODOR      | 1230-1231 | COAL                   |
| 131-204 | SHALE         | 880-886   | SAND / NO ODOR     | 1231-1248 | SHALE                  |
| 204-215 | LIME          | 886-909   | SAND / NO ODOR     | 1248-1250 | BLACK SHALE            |
| 215-240 | SANDY SHALE   | 909-914   | SANDY SHALE        | 1250-1256 | SHALE                  |
| 235     | WENT TO WATER | 914-925   | SHALE              | 1256-1257 | COAL                   |
| 240-320 | SHALE         | 925-941   | SANDY SHALE        | 1257-1301 | SHALE                  |
| 320-325 | LMY SHALE     | 941-974   | SHALE              | 1301-1314 | SAND                   |
| 325-334 | LIME          | 974-996   | LIME (PAWNEE)      | 1314-1336 | SHALE                  |
| 334-415 | SHALE         | 996-1004  | BLACK SHALE        | 1336      | TD                     |
| 415-419 | BLACK SHALE   | 1004-1005 | COAL (LEXINGTON)   |           |                        |
| 419-422 | LIME          | 1005-1041 | SHALE              |           | GAS TESTS:             |
| 422-424 | SAND          | 1041-1062 | SANDY SHALE        | 435       | NO GAS                 |
| 424-425 | COAL          | 1062-1093 | LIME (OSWEGO)      | 911       | SLIGHT BLOW            |
| 425-438 | SHALE         | 1093-1103 | BLK SHALE (SUMMIT) | 1011      | 4#, 1/8"= 5.64 MCF     |
| 438-460 | SAND          | 1103-1122 | LIME               | 1036      | 3 1/2#, 1/4"= 17.1 MCF |
| 460-489 | SHALE         | 1122-1129 | BLACK SHALE        | 1186      | 4#, 1/4"= 18.5 MCF     |
| 489-500 | LIME          | 1129-1130 | COAL (MULKY)       | 1236      | SAME                   |
| 500-522 | SHALE         | 1130-1139 | LIME               | 1336      | SAME                   |
| 522-570 | LIME          | 1139-1151 | SHALE              |           |                        |
| 570-600 | SHALE         | 1151-1152 | COAL               |           |                        |
| 600-630 | SANDY SHALE   | 1152-1166 | SHALE              |           |                        |