

Knabe D KR-16

LEASE NAME KNABE B. OPERATOR Kan. Res. Ex START DATE: 9-20-11
 WELL # KR-16 LOCATION: NW-14-14S-22E API # 091-23570-00-00
 SURFACE PIPE: 20 Ft 5 Cement(#bags) CIR
 PRODUCTION: 2 1/2" PIPE: 907 #FT Driller - Utah Oil, LLC

| Thickness | Formation | Comment | Depth | Thickness | Formation | Comment | Depth |
|-----------|-----------|-----------------|-------|-----------|-----------|-----------|-------|
| 16 | | TOP SOIL + CLAY | 16 | 5 | SHALE | CIR | 715 |
| 5 | LIME | | 21 | 4 | | " " | 719 |
| 29 | SHALE | | 40 | 3 | | " " | 722 |
| 40 | LIME | | 80 | 4 | | " " | 726 |
| 10 | SHALE | | 90 | 4 | | " " " | 730 |
| 12 | LIME | | 102 | 107 | | SHALE CIR | 832 |
| 27 | SHALE | | 129 | 4 | | | 841 |
| 71 | LIME | | 200 | 4 | | | 845 |
| 36 | SHALE | | 236 | 4 | | | 849 |
| 5 | LIME | | 241 | 73 | SHALE | | 923 |
| 1 | SHALE | | 242 | | | | |
| 21 | LIME | | 263 | | | TD 923 | |
| 29 | SHALE | | 302 | | | | |
| 30 | LIME | | 332 | | | | |
| 8 | SHALE | | 340 | | | | |
| 22 | LIME | | 362 | | | | |
| 2 | SHALE | | 364 | | | | |
| 8 | LIME | | 372 | | | | |
| 4 | SHALE | | 376 | | | | |
| 3 | LIME | KC | 379 | | | | |
| 148 | SHALE | | 527 | | | | |
| 13 | LIME | | 540 | | | | |
| 5 | SHALE | | 545 | | | | |
| 18 | LIME | | 563 | | | | |
| 2 | SHALE | | 565 | | | | |
| 6 | LIME | | 571 | | | | |
| 4 | LIME | | 575 | | | | |
| 15 | SHALE | | 580 | | | | |
| 4 | LIME | | 584 | | | | |
| 56 | SHALE | | 640 | | | | |
| 3 | LIME | | 643 | | | | |
| 52 | SHALE | | 695 | | | | |
| 3 | LIME | | 698 | | | | |
| 8 | SHALE | | 706 | | | | |
| 4 | SHALE | CIR | 710 | | | | |