

Mud Rotary Drilling
 Andrew King - Manager/Driller

Bar Drilling, LLC
 Phone: (719) 210-8806

1317 105th Rd.
 Yates Center, KS 66783

| | | | | | | | | | | | | |
|---|-----------------------------------|------------------------------|---|--------------------------|-------------|-----------|----------------------|----------------------------|------------------|----------------------------------|-----------------------------------|--------------------|
| Company/Operator Colt Energy Inc. P.O. Box 388 Iola, KS 66749 | Well No. cs 19 | Lease Name Schafer | Well Location 1867' fnl, 235' fwl | | | | 1/4 SW | 1/4 NW | 1/4 SW | Sec. 23 | Twp. 26s | Rge, 14e |
| | Well API # 15-207-29331 | | Type/Well Oil | County Woodson | | | State KS | Total Depth 1382 | | Date Started 2/26/2016 | Date Completed 3/2/2016 | |
| Job/Project Name/No. | Surface Record | | Bit Record | | | | Coring Record | | | | | |
| | | | Type | Size | From | To | Core # | Size | From | To | % Rec. | |
| Driller/Crew | Bit Size: | 11 1/4 | PDC | 11 1/4 | 0' | 40.1' | 1 | 3" | 1279 | 1308 | 100 | |
| Andy King | Casing Size: | 8 5/8 | PDC | 6 3/4 | 40.1 | 1382 | | | | | | |
| Charles King | Casing Length: | 40.1 | | | | | | | | | | |
| | Cement Used: | 14sx | | | | | | | | | | |
| | Cement Type: | Portland | | | | | | | | | | |

Formation Record

| From | To | Formation | From | To | Formation | From | To | Formation |
|------|------|--------------|------|----|-----------|------|----|--|
| 0 | 10 | Overburden | | | | | | |
| 10 | 203 | shale | | | | | | |
| 203 | 467 | lansing lime | | | | | | |
| 467 | 541 | shale | | | | | | |
| 541 | 717 | Kc lime | | | | | | |
| 717 | 813 | shale | | | | | | |
| 813 | 818 | lime | | | | | | |
| 818 | 849 | shale | | | | | | |
| 849 | 860 | lime | | | | | | |
| 860 | 905 | shale | | | | | | |
| 905 | 958 | sand | | | | | | |
| 958 | 976 | lime | | | | | | |
| 976 | 1001 | shale | | | | | | |
| 1001 | 1021 | lime | | | | | | |
| 1021 | 1048 | dark shale | | | | | | |
| 1048 | 1055 | sand | | | | | | |
| 1055 | 1277 | shale | | | | | | |
| 1277 | 1279 | oil sand | | | | | | Well Notes: ran 1377 +/- 4 1/2" casing |
| 1279 | 1308 | core | | | | | | |
| 1308 | 1381 | mostly shale | | | | | | |
| 1381 | 1382 | Miss lime. | | | | | | |
| | | | | | | | | |
| | | | | | | | | |