

|   |                |                            |                       |                                      |               |             |                     |                          |                            |             |             |
|---|----------------|----------------------------|-----------------------|--------------------------------------|---------------|-------------|---------------------|--------------------------|----------------------------|-------------|-------------|
| Company/Operator<br>Quest Development Co.<br>P.O. Box 413<br>Iola, KS 66749 |                | Well No.<br>7              | Lease Name<br>Tremain | Well Location<br>2000' fml, 1560 sel |               | 1/4<br>NE   | 1/4<br>SE           | 1/4<br>SW                | Sec.<br>33                 | Twp.<br>22s | Rge.<br>17e |
| Job/Project Name/No.  |                | Well API #<br>15-031-23931 | Type/Well<br>Oil      | County<br>Coffee                     |               | State<br>KS | Total Depth<br>1300 | Date Started<br>8/4/2014 | Date Completed<br>8/6/2014 |             |             |
| Driller/Crew  |                | Surface Record             |                       |                                      | Coring Record |             |                     |                          |                            |             |             |
| Andy King   | Bit Size:      | 11 1/4                     | Type                  | PDC                                  | Size          | 11 1/4      | From                | 0'                       | To                         | 40'         | % Rec.      |
| Charlie King  | Casing Size:   | 7"                         | Type                  | PDC                                  | Size          | 5 7/8"      | From                | 40'                      | To                         | 1300'       |             |
| Damian King   | Casing Length: | 40'                        |                       |                                      |               |             |                     |                          |                            |             |             |
|   | Cement Used:   | 8 sx                       |                       |                                      |               |             |                     |                          |                            |             |             |
|   | Cement Type:   | Portland                   |                       |                                      |               |             |                     |                          |                            |             |             |

**Formation Record**

| From | To  | Formation          | From | To   | Formation          | From                        | To   | Formation         |
|------|-----|--------------------|------|------|--------------------|-----------------------------|------|-------------------|
| 0    | 139 | clay/shale         | 996  | 999  | oil sand and shale | 1291                        | 1300 | soft top of Miss. |
| 139  | 180 | lime               | 999  | 1001 | mostly shale       |                             |      |                   |
| 180  | 190 | shale              | 1001 | 1006 | shale              |                             |      |                   |
| 190  | 254 | lime               | 1006 | 1033 | soft lime          |                             |      |                   |
| 254  | 359 | shale              | 1033 | 1035 | sandy shale        |                             |      |                   |
| 359  | 585 | lime               | 1035 | 1055 | grey sand          |                             |      |                   |
| 585  | 753 | shale              | 1055 | 1065 | grey shale         |                             |      |                   |
| 753  | 756 | lime               | 1065 | 1073 | black shale        |                             |      |                   |
| 756  | 775 | sandy shale        | 1073 | 1078 | mukey shale        |                             |      |                   |
| 775  | 784 | lime               | 1078 | 1095 | lime               |                             |      |                   |
| 784  | 856 | sandy shale        | 1095 | 1096 | sand (grey)        |                             |      |                   |
| 856  | 891 | lime               | 1096 | 1099 | shale              |                             |      |                   |
| 891  | 895 | black shale        | 1099 | 1134 | black shale (coal) |                             |      |                   |
| 895  | 907 | lime               | 1134 | 1137 | grey shale         |                             |      |                   |
| 907  | 928 | shale              | 1137 | 1164 | lime               |                             |      |                   |
| 928  | 934 | lime               | 1164 | 1165 | shale              |                             |      |                   |
| 934  | 979 | shale              | 1165 | 1169 | (sandy) shale      |                             |      |                   |
| 979  | 980 | 1st cap lime       | 1169 | 1175 | shale              | <b>Well Notes:</b>          |      |                   |
| 980  | 989 | shale              | 1175 | 1222 | lime               | ran 1285' of 2 7/8" casing. |      |                   |
| 989  | 990 | 2nd cap lime       | 1222 | 1227 | shale              |                             |      |                   |
| 990  | 991 | oil sand           | 1227 | 1280 | lime               |                             |      |                   |
| 991  | 992 | oil lime           | 1280 | 1281 | shale              |                             |      |                   |
| 992  | 994 | oil sand           | 1281 | 1284 | soft shale         |                             |      |                   |
| 994  | 996 | oil sand and shale | 1284 | 1291 | soft grey shale    |                             |      |                   |