### KOLAR Document ID: 1383365

| Confident | tiality Re | equested: |
|-----------|------------|-----------|
| Yes       | No         |           |

### KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 January 2018 Form must be Typed Form must be Signed All blanks must be Filled

### WELL COMPLETION FORM

| WELL  | HISTORY - |         | WELL & | IEASE |
|-------|-----------|---------|--------|-------|
| VVELL | nisioni · | DESCRIP | WELL Q | LEASE |

| OPERATOR: License #                                   | API No.:   |
|---|--|
| Name:   | Spot Description:  |
| Address 1:  |  |
| Address 2:  | Feet from Dorth / South Line of Section                  |
| City: State: Zip:+                                    | Feet from East / West Line of Section                    |
| Contact Person:                                       | Footages Calculated from Nearest Outside Section Corner: |
| Phone: ()   |  |
| CONTRACTOR: License #                                 | GPS Location: Lat:, Long:                                |
| Name:   | (e.g. xx.xxxx) (e.gxxx.xxxx)                             |
| Wellsite Geologist:                                   | Datum: NAD27 NAD83 WGS84                                 |
| Purchaser:  | County:  |
| Designate Type of Completion:                         | Lease Name: Well #:                                      |
| New Well Re-Entry Workover                            | Field Name:  |
|   | Producing Formation:                                     |
| ☐ Oil ☐ WSW ☐ SWD<br>□ Gas □ DH □ EOR                 | Elevation: Ground: Kelly Bushing:                        |
|   | Total Vertical Depth: Plug Back Total Depth:             |
| CM (Coal Bed Methane)                                 | Amount of Surface Pipe Set and Cemented at: Feet         |
| Cathodic Other (Core, Expl., etc.):                   | Multiple Stage Cementing Collar Used?                    |
| If Workover/Re-entry: Old Well Info as follows:       | If yes, show depth set: Feet                             |
| Operator:   | If Alternate II completion, cement circulated from:      |
| Well Name:  | feet depth to:w/sx cmt.                                  |
| Original Comp. Date: Original Total Depth:            |  |
| Deepening Re-perf. Conv. to EOR Conv. to SWD          | Drilling Fluid Management Plan                           |
| Plug Back Liner Conv. to GSW Conv. to Producer        | (Data must be collected from the Reserve Pit)            |
|   | Chloride content: ppm Fluid volume: bbls                 |
| Commingled Permit #:                                  | Dewatering method used:                                  |
| Dual Completion Permit #:     SWD Permit #:           |  |
| SWD Permit #:      EOR Permit #:                      | Location of fluid disposal if hauled offsite:            |
| GSW Permit #:   | Operator Name:   |
|   | Lease Name: License #:                                   |
| Spud Date or Date Reached TD Completion Date or       | Quarter Sec TwpS. R East West                            |
| Recompletion Date Recompletion Date Recompletion Date | County: Permit #:  |

#### AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

### Submitted Electronically

| KCC Office Use ONLY                             |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Confidentiality Requested                       |  |  |  |  |  |  |
| Date:   |  |  |  |  |  |  |
| Confidential Release Date:                      |  |  |  |  |  |  |
| Wireline Log Received Drill Stem Tests Received |  |  |  |  |  |  |
| Geologist Report / Mud Logs Received            |  |  |  |  |  |  |
| UIC Distribution                                |  |  |  |  |  |  |
| ALT I II III Approved by: Date:                 |  |  |  |  |  |  |

### KOLAR Document ID: 1383365

| Operator Nar | ne: |      |           | Lease Name: | Well #: |
|--------------|-----|------|-----------|-------------|---------|
| Sec          | Twp | S. R | East West | County:     |         |

Page Two

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| Drill Stem Tests Taken<br>(Attach Additional Sheets)   |   | Y                            | es 🗌 No                    |                      |   | og Formatio                   | n (Top), Depth        | and Datum   | Sample                        |
|--|---|------------------------------|----------------------------|----------------------|---|-------------------------------|-----------------------|---|-------------------------------|
| ·  | *   |                              | és 🗌 No                    | Ν                    | lame  | e                             |                       | Тор   | Datum                         |
| Samples Sent to Geological Survey<br>Cores Taken<br>Electric Log Run<br>Geologist Report / Mud Logs<br>List All E. Logs Run:                           |   |                              | ies No<br>ies No<br>ies No |                      |   |                               |                       |   |                               |
|  |   | Repo                         | CASING I                   |                      | ] Ne  | w Used<br>rmediate, productio | on, etc.              |   |                               |
| Purpose of String  | Size Hole<br>Drilled                                |                              | ze Casing<br>tt (In O.D.)  | Weight<br>Lbs. / Ft. |   | Setting<br>Depth              | Type of<br>Cement     | # Sacks<br>Used   | Type and Percent<br>Additives |
|  |   |                              |                            |                      |   |                               |                       |   |                               |
|  |   |                              |                            |                      |   |                               |                       |   |                               |
|  |   |                              | ADDITIONAL                 | CEMENTING /          | SQU   | EEZE RECORD                   |                       |   |                               |
| Purpose:<br>Perforate  | Depth<br>Top Bottom                                 | Туре                         | e of Cement                | # Sacks Used         |   |                               | Type and              | Percent Additives   |                               |
| Protect Casing Plug Back TD Plug Off Zone  |   |                              |                            |                      |   |                               |                       |   |                               |
| <ol> <li>Did you perform a hydra</li> <li>Does the volume of the is</li> <li>Was the hydraulic fractu</li> <li>Date of first Production/Inj</li> </ol> | total base fluid of the h<br>ring treatment informa | nydraulic fra<br>tion submit | acturing treatment         | al disclosure regis  | -   | Yes<br>ns? Yes<br>Yes         | No (If No, s          | kip questions 2 ar<br>kip question 3)<br>ill out Page Three |                               |
| Injection:   |   |                              | Flowing                    | Pumping              |   | Gas Lift 🗌 O                  | ther <i>(Explain)</i> |   |                               |
| Estimated Production<br>Per 24 Hours   | Oil   | Bbls.                        | Gas                        | Mcf                  | Wate  | er Bb                         | ls.                   | Gas-Oil Ratio   | Gravity                       |
| DISPOSITION  | I OF GAS:   |                              | M                          | ETHOD OF COM         | <b>IPLE</b>   | TION:                         |                       |   | ON INTERVAL:                  |
| Vented Sold<br>(If vented, Subm  | Used on Lease                                       |                              | Open Hole                  |                      | Dually Comp.     Commingled       (Submit ACO-5)     (Submit ACO-4) |                               |                       | Bottom  |                               |
| Shots Per         Perforation         Perforation         Bridge Plug         Br           Foot         Top         Bottom         Type         Br     |   |                              | Bridge Plug<br>Set At      |                      | Acid,   |                               | ementing Squeeze      |   |                               |
|  |   |                              |                            |                      |   |                               |                       |   |                               |
|  |   |                              |                            |                      |   |                               |                       |   |                               |
|  |   |                              |                            |                      |   |                               |                       |   |                               |
|  |   |                              |                            |                      |   |                               |                       |   |                               |
| TUBING RECORD:   | Size:   | Set At:                      |                            | Packer At:           |   |                               |                       |   |                               |

| Form      | ACO1 - Well Completion        |
|-----------|-------------------------------|
| Operator  | Black Gold Kansas George, LLC |
| Well Name | GEORGE 7                      |
| Doc ID    | 1383365                       |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight | Setting<br>Depth | Type Of<br>Cement |    | Type and<br>Percent<br>Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|----|----------------------------------|
| Surface              | 9.875                | 7                     | 17     | 22               | Portland          | 4  | NA                               |
| Production           | 5.875                | 2.875                 | 6.5    | 657              | Class A           | 75 | See Ticket                       |
|                      |                      |                       |        |                  |                   |    |                                  |
|                      |                      |                       |        |                  |                   |    |                                  |



250 N. Water, Ste 200 - Wichita, Ks 67202

### **HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

|  |                      |                          | 10000                 | UNNICAN               | LJERVIC        |   |                           |                    |           |          |                       |
|--|----------------------|--------------------------|-----------------------|-----------------------|----------------|---|---------------------------|--------------------|-----------|----------|-----------------------|
| Customer   | Black Gold           | d Kansas Geo             | orge, LLC             |                       | Customer Name: | Chris McGov                                     | /n (REP.)                 | Ticket No.:        |           | 5016     | 1                     |
| Address:   | 3825 Edwa            | ards RD #200             |                       |                       | Contractor:    | McGown Dril                                     | Date                      |                    |           |          |                       |
| City, State, Zip:  |                      | Cincinnati,              | Ohio 45209            |                       | Job type       | Longstring                                      | Longstring Well Type: Oil |                    |           |          |                       |
| Service District:  | Madison, I           | Ks                       |                       |                       | Well Details:  | Sec   | :                         | Twp                |           | R:       |                       |
| Well name & No.  | George # 7           | 7                        |                       |                       | Well Location: | Bronson   | County:                   | Bourbon            | State:    | ł        | Kansas                |
| Equipment #  | -                    | Equipment #              | Driver                | Equipment #           | Driver         | TRUCK CALI                                      | ED                        |                    |           | AM<br>PM | TIME                  |
| 230  | Kevin                |                          |                       |                       |                | ARRIVED AT                                      |                           |                    |           | AM<br>PM | 4:20                  |
| 241  | Josh                 |                          |                       |                       |                | START OPER                                      |                           |                    |           | AM<br>PM |                       |
| 26   | Jake                 |                          |                       |                       |                | FINISH OPER                                     | RATION                    |                    |           | AM<br>PM |                       |
|  |                      |                          |                       |                       |                | RELEASED  |                           |                    |           | AM<br>PM | 4:45                  |
|  |                      |                          |                       |                       |                | MILES FROM                                      | STATION TO                | O WELL             |           |          | 38                    |
| L  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
| Product/Service  |                      |                          |                       |                       | Unit of        | <b>0</b>  | List                      | Gross              |           |          |                       |
| Code   | Description          | iip. One Way             |                       |                       | Measure<br>mi  | Quantity<br>38.00                               | Price/Unit<br>\$3.25      | Amount<br>\$123.50 |           |          | Net Amount<br>\$93.86 |
| <u>c001</u><br>c004                                      |                      | on Mile Charg            | 0                     |                       | ea             | 1.00  | \$300.00                  | \$123.50           |           |          | \$93.80<br>\$228.00   |
| c020   | Cement Pu            |                          | C                     |                       | ea             | 1.00  | \$675.00                  | \$675.00           |           |          | \$513.00              |
| cp006  |                      | Class A Cemer            | nt                    |                       | sack           | 75.00   | \$16.25                   | \$1,218.75         |           |          | \$926.25              |
| cp000  | Bentonite (          |                          |                       |                       | lb             | 141.00  | \$0.30                    | \$42.30            |           |          |                       |
| cp015  | Calcium - 0          |                          |                       |                       | ∞<br>Ib        | 212.00  | \$1.00                    | \$212.00           |           |          | \$161.12              |
| cp038  | Rubber Plu           |                          |                       |                       | ea             | 1.00  | \$30.00                   | \$30.00            |           |          | \$22.80               |
| cp030  | Mud Flush            |                          |                       |                       | gal            | 210.00  | \$1.00                    | \$210.00           |           |          | \$159.60              |
| c002   |                      | o. One Way               |                       |                       | mi             | 38.00   | \$1.50                    | \$57.00            |           |          | \$57.00               |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
|  |                      |                          |                       |                       |                |   |                           |                    |           |          |                       |
| TERMS: Cash in advan                                     |                      |                          |                       |                       |                |   | Creese                    | ¢ 2969.55          | Noti      |          | ¢0 400 79             |
| Credit terms of sale for a<br>date of invoice. Past due  | e accounts may p     | pay interest on the ba   | lance past due at tl  | he rate of 1 1/2% per | <b></b>        | T   | Gross:                    |                    | Net:      |          | \$2,193.78            |
| month or the maximum<br>lesser amount. In the ev         |                      |                          |                       |                       |                | Taxable   | \$ -                      | Tax Rate:          |           |          |                       |
| collection of said account such collection. In the event | nt, Customer her     | eby agrees to pay all    | fees directly or ind  | irectly incurred for  |                | rvice treatments desi<br>on on newly drilled or |                           |                    | Sale Tax: | \$       | -                     |
| right to revoke any and a                                | all discounts prev   | viously applied in arriv | /ing at net invoice p | rice. Upon            |                | not taxable.                                    | 1                         |                    | Total:    | \$       | 2,193.78              |
| revocation, the full invoid collection. Prices quoted    | d are estimates o    | only and are good for    | 30 days from the d    | ate of issue. Pricing | Date of        | f Service:                                      |                           | 10                 | /9/2017   |          |                       |
| loes not include federal                                 | . state. or local ta | axes, or rovalties and   | stated price adjust   | ments Actual          |                |   |                           |                    |           |          |                       |

collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash. DISCLAIMER NOTICE:

This technical data is presented in good faith, but no warranty is given by and H.S.I assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services.

Authorization below acknowledges receipt and acceptance of all terms and conditions stated above.

Jake Heard

### **CEMENTING LOG**

| Company             | Black Gold Kansas Geor     | ge,LLC Lease 0                              |                 |           |               | ame/No.    | George # 7 |  |
|---------------------|----------------------------|---|-----------------|-----------|---------------|------------|------------|--|
| Company<br>Type Job |                            | Type & Amt                                  | Material        | Class A   | 2% gel 3% Cc  | ame/110.   |            |  |
| Field               | Longstring<br>0            | Ticket Num                                  |                 | 50161     | 2% ger 5% CC  |            |            |  |
|                     | -                          |   |                 | 20101     |               |            |            |  |
| CASING DATA         |                            | -   |                 |           |               |            |            |  |
| Size                | 2.875                      |   | Weig            | ht        |               | 6.4 Collar |            |  |
| Casing Depth        |                            | 0 Bottom                                    | 657             |           |               | 1          |            |  |
| Drill Pipe:         | Size                       | Weight                                      | Collar          |           |               |            |            |  |
| Open Hole:          | Size                       | 5.875 T.D. (ft)                             | 662 P.B. t      | ο (π)     |               |            |            |  |
| CAPACITY FA         |                            |   |                 |           |               |            |            |  |
| Casing              | Bbls/Lin. ft.              |   | 0.00579 Lin. ft |           |               |            |            |  |
| Open Holes          | Bbls/Lin. ft.              |   | Lin. ft         | -         |               |            |            |  |
| Drill Pipes         | Bbls/Lin. ft.              |   | Lin. ft         |           |               |            |            |  |
| Annulus             | Bbls/Lin. ft.              |   | 0.0255 Lin. ft  |           |               |            |            |  |
| Porforations        | Bbls/Lin. ft.<br>From (ft) | То  | Lin. ft         |           |               |            |            |  |
| Perforations        |                            | 10  | Amou            | 111L      |               |            |            |  |
| CEMENT DAT          |                            |   |                 |           |               |            |            |  |
| Spacer Type         | Mudflush                   | 2.  |                 |           |               |            |            |  |
| Amt. 5 BBL          | Sks Yield                  | ft <sup>3</sup> / <sub>sk</sub> Densit      | y (PPG)         |           |               |            |            |  |
|                     |                            |   |                 |           |               |            |            |  |
| LEAD                |                            |   |                 |           |               |            |            |  |
| Pump Time (ł        | nrs)                       | Туре  |                 |           | Excess        |            |            |  |
| Amt.                | Sks Yield                  | ft <sup>3</sup> / <sub>sk</sub> Densit      | y (PPG)         |           |               |            |            |  |
| TAIL                |                            |   |                 |           |               |            |            |  |
| Pump Time (ł        | nrs)                       | Type A 29                                   | % Gel 3% C.C    |           | Excess        |            | 25%        |  |
| Amt.                | 75 Sks Yield               | 1.41 ft <sup>3</sup> / <sub>sk</sub> Densit | y (PPG)         |           |               |            | 14.8       |  |
| WATER               |                            |   |                 |           |               |            |            |  |
| Lead                | gals/sk                    | Tail  | 6.8             | 5 gals/sk | Total (Bbls.) |            | 12.23      |  |
| Pump Trucks         | Used                       |   |                 |           |               |            | 230        |  |
| Bulk Equipme        | ent                        |   |                 |           |               |            |            |  |
|                     |                            |   |                 |           |               |            |            |  |
|                     |                            |   |                 |           |               |            | 241        |  |
|                     | ent: Manufacturer          |   |                 |           |               |            |            |  |
| Shoe: Type          |                            |   |                 |           | Depth         |            |            |  |
| Float: Type         | <b>0</b>                   |   |                 |           | Depth         |            |            |  |
| Centralizers:       | Quantity                   | Plugs: Top                                  |                 |           | Bottom        |            |            |  |
| Stage Collars       |                            |   |                 |           |               |            |            |  |
| Special Equip       |                            |   |                 | 2.0       |               |            |            |  |
| Disp. Fluid Ty      | pe Freshwater              | Amt. (Bbls.)                                |                 |           | Weight (PPG)  |            |            |  |
| Mud Type            |                            |   |                 |           | Weight (PPG)  |            |            |  |

#### COMPANY REPRESENTATIVE

Chris McGown

Jake Heard CEMENTER

| TIME    | PRESSU               | RES PSI | FLU            | JID PUMPED DA          | ATA                 |                             |
|---------|----------------------|---------|----------------|------------------------|---------------------|-----------------------------|
| AM/PM   | DRILL PIPE<br>CASING | ANNULUS | TOTAL<br>FLUID | PUMPED/<br>TIME PERIOD | RATE<br>(BBLS MIN.) | REMARKS                     |
|         |                      |         |                |                        |                     | On location saftey meeting  |
|         |                      |         |                |                        |                     | Spot in and rig up          |
|         |                      |         |                |                        |                     | Hook up to tubing           |
| 4:20 PM | 100                  |         | 5              |                        | 4                   | Break circulation           |
|         | 100                  |         | 5              |                        |                     | Pump Mudflush               |
|         | 100                  |         | 4              |                        |                     | Pump water                  |
|         | 100                  |         | 5              |                        |                     | Pump dyed water             |
|         | 180                  |         | 18.83          |                        | 4                   | Mix and pump cement         |
|         |                      |         |                |                        |                     | Stop                        |
|         |                      |         |                |                        |                     | Wash pump and lines         |
|         |                      |         |                |                        |                     | Drop plug                   |
|         | 200                  |         | 4              |                        | 3                   | Displace                    |
| 4:45 PM | 1250                 |         | 4              |                        | 3                   | Bump plug                   |
|         | 0                    |         |                |                        |                     | Release pressure            |
|         |                      |         |                |                        |                     | Shut in well                |
|         |                      |         |                |                        |                     | Rig down and leave location |
|         |                      |         |                |                        |                     | Thanks Jake, Kevin and Josh |
|         |                      |         |                |                        |                     |                             |
|         |                      |         |                |                        |                     |                             |
|         |                      |         |                |                        |                     |                             |
|         |                      |         |                |                        |                     |                             |
|         |                      |         |                |                        |                     |                             |
|         |                      |         |                |                        |                     |                             |



**Operator:** 

Black Gold Kansas George, LLC

# George #7

Bourbon Co, KS 19-25-22E API # 15-011-24570-00-00

| Spud Date:      | 10/5/2017 | Surface Bit:     | 9.875"    |
|-----------------|-----------|------------------|-----------|
| Surface Casing: | 7.0"      | Drill Bit:       | 5.875"    |
| Surface Length: | 22.10'    | Longstring:      | 657.05'   |
| Surface Cement: | 4 sx      | Longstring Date: | 10/9/2017 |
| Longstring:     |           |                  |           |

# **Driller's Log**

| Тор   | Bottom | Formation   | Comments |
|-------|--------|-------------|----------|
| 0     | 3      | Soil & Rock |          |
| 3     | 10     | Clay        |          |
| 10    | 28     | Lime        |          |
| 28    | 30     | Blk. Shale  |          |
| 30    | 34     | Lime        |          |
| 34    | 41     | Shale       |          |
| 41    | 44     | Lime        |          |
| 44    | 46     | Shale       |          |
| 46    | 59     | Lime        |          |
| 59    | 112    | Shale       |          |
| 112   | 117    | Lime        |          |
| 117   | 221    | Shale       |          |
| 221   | 221.5  | Lime        |          |
| 221.5 | 225    | Shale       |          |
| 225   | 228    | Lime        |          |
| 228   | 233    | Shale       |          |
| 233   | 241    | Lime        |          |
| 241   | 257    | Shale       | Limey    |
| 257   | 259    | Red Bed     |          |
| 259   | 319    | Shale       |          |
| 319   | 341    | Lime        |          |
| 341   | 343    | Blk. Shale  |          |
| 343   | 350    | Lime        |          |
| 350   | 367    | Shale       |          |

| George #7       |       |             |  |  |  |
|-----------------|-------|-------------|--|--|--|
| Bourbon Co., KS |       |             |  |  |  |
| 367             | 367.5 | Lime        |  |  |  |
| 367.5           | 397   | Shale       |  |  |  |
| 397             | 410   | Lime        |  |  |  |
| 410             | 417   | Blk. Shale  |  |  |  |
| 417             | 422   | Lime        |  |  |  |
| 422             | 532   | Shale       |  |  |  |
| 532             | 533   | Lime        |  |  |  |
| 533             | 570   | Shale       |  |  |  |
| 570             | 573   | Grey Sand   | No odor                                |  |  |
| 573             | 604   | Shale       |  |  |  |
| 604             | 608   | Muddy Shale | White                                  |  |  |
| 608             | 610   | Sand        | Grey sand                              |  |  |
| 610             | 612   | Sand        | Laminated, sand, fair bleed, good odor |  |  |
| 612             | 616.5 | Sand        | Laminated, good bleed, good gas push   |  |  |
| 616.5           | 617.5 | Sand        | Laminated, slight bleed, good gas push |  |  |
| 617.5           | 622   | Sand        | Good bleed, laminated, good gas push   |  |  |
| 622             | 635   | Sand        | Laminated, grey sand, water sand       |  |  |
| 635             | 645   | Sandy Shale |  |  |  |
| 645             | 662   | Shale       |  |  |  |
| 662             |       | TD          |  |  |  |

Top perf. 603 Bottom Perf. 611