[redacted] 1365828

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016
**Form must be Typed**
**Form must be Signed**
**All blanks must be Filled**

# WELL COMPLETION FORM
## WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3895
Name: Bobcat Oilfield Service, Inc.
Address 1: 602 W. AMITY SUITE 103
Address 2:
City: LOUISBURG State: KS Zip: 66053 + 8108
Contact Person: Rob Eberhart
Phone: ( 913 ) 837-5199
CONTRACTOR: License # 4339
Name: Jackson, Dale E & Sue Ellen dba Dale E. Jackson Production Co.
Wellsite Geologist: NA
Purchaser:

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☑ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

8/28/2017 Spud Date or Recompletion Date
8/29/2017 Date Reached TD
8/29/2017 Completion Date or Recompletion Date

API No.: 15-121-31358-00-00
Spot Description:
SE - SE - SW - SW Sec. 24 Twp. 16 S. R. 21 ☑ East ☐ West
5 Feet from ☐ North / ☑ South Line of Section
3968 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Miami
Lease Name: ALVA SCHENDEL Well #: 19W-17
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1009 Kelly Bushing: 1009
Total Vertical Depth: 731 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

**Drilling Fluid Management Plan**
*(Data must be collected from the Reserve Pit)*
Chloride content: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
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:** Karen Ritter **Date:** 10/16/2017

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Operator Name: Bobcat Oilfield Service, Inc. Lease Name: ALVA SCHENDEL Well #: 19W-17

Sec. 24 Twp. 16 S. R. 21 ☑ East ☐ West County: Miami

**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 *(Attach Additional Sheets)* | ☐ Yes | ☑ No |
| Samples Sent to Geological Survey | ☐ Yes | ☑ No |
| Cores Taken | ☐ Yes | ☑ No |
| Electric Log Run | ☑ Yes | ☐ No |
| Geolgist Report / Mud Logs | ☐ Yes | ☑ No |

List All E. Logs Run:

GammaRayNeutronCCL

☐ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Squirrel | 675 | GL |

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 8.625 | 6 | 8 | 20 | Portland | 5 | POZ |
| Production | 5.625 | 2.875 | 6 | 721 | Portland | 85 | 60/40 POZ |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ___ Perforate<br>___ Protect Casing<br>___ Plug Back TD<br>___ Plug Off Zone | - | | | |
| | - | | | |

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

| Date of first Production/Injection or Resumed Production/ Injection: | Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* |
|---|---|

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | | | | | |

| DISPOSITION OF GAS: | METHOD OF COMPLETION: | PRODUCTION INTERVAL: |
|---|---|---|
| ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)* | ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* | Top 675 Bottom 688 |

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)* |
|---|---|---|---|---|---|
| | 675 | 688 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

TUBING RECORD: Size: Set At: Packer At:

**Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Bobcat Oilfield Service, Inc. |
| Well Name | ALVA SCHENDEL 19W-17 |
| Doc ID | 1365828 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 8.625 | 6 | 8 | 20 | Portland | 5 | POZ |
| Production | 5.625 | 2.875 | 6 | 721 | Portland | 85 | 60/40 POZ |
| | | | | | | | |
| | | | | | | | |

Dale Jackson Production Co.
Box 266, Mound City, Ks 66056

Cell # 620-363-2683

Office # 913-795-2991

| | | |
|---|---|---|
| **Surface:** 20' of 6" | **Cemented:** 5 Sacks | **Hole Size:** 8 ¾" |
| **Longstring:** 721' of 2 7/8" 8 round pipe | **Cemented:** 85 sacks | **Hole Size:** 5 5/8" |

| | |
|---|---|
| **SN:** | **Packer:** |
| **Plugged:** | **Bottom Plug:** |

**TD: 731'**

# Well Log

| | |
|---|---|
| **Well #: 19W-17** | |
| **Location: SE,SE,SW,SW, S24-T16-R21E** | |
| **County: Miami** | |
| **FSL: 5** | |
| **FEL: 3968** | |
| **API#: 15-121-31358** | |
| **Started: 8-28-17** | |
| **Completed: 8-29-17** | |

| | |
|---|---|
| **Lease:** | **Alva Schendel** |
| **Owner:** | **Bobcat Oilfield Inc** |
| **OPR #:** | **3895** |
| **Contractor:** | **DALE JACKSON PRODUCTION CO.** |
| **OPR #:** | **4339** |

| TKN | BTM Depth | Formation | TKN | BTM Depth | Formation |
|---|---|---|---|---|---|
| 2 | 2 | Top Soil | 5 | 578 | Shale (Limey) |
| 5 | 7 | Clay | 13 | 591 | Shale |
| 14 | 21 | Lime | 1 | 592 | Coal |
| 5 | 26 | Black Shale | 6 | 598 | Shale |
| 11 | 37 | Lime | 6 | 604 | Lime |
| 10 | 47 | Sandy Shale | 3 | 607 | Shale (Limey) |
| 19 | 66 | Lime | 4 | 611 | Shale (Limey) (Oil sand strks) (Poor bleed) |
| 4 | 70 | Shale | 10 | 621 | Shale |
| 3 | 73 | Red bed | 4 | 625 | Lime |
| 20 | 93 | Shale | 3 | 628 | Coal |
| 19 | 112 | Lime | 22 | 650 | Shale (Limey) |
| 3 | 115 | Sandy Shale | 4 | 654 | Lime |
| 3 | 118 | Sand (Water) | 13 | 667 | Shale (Limey) |
| 81 | 199 | Shale | 1 | 668 | Lime |
| 18 | 217 | Lime | 4 | 672 | Shale |
| 23 | 240 | Shale | 1 | 673 | Light Shale |
| 6 | 246 | Light Shale (Limey) | 5 | 678 | Oil Sand (Some shale) (Fair bleed) |
| 5 | 251 | Shale | 2 | 680 | Oil Sand (Shaley) (Fair bleed) |
| 6 | 257 | Lime | 1 | 681 | Oil Sand (Very shaley) (fair bleed) |
| 20 | 277 | Shale | 3 | 684 | Oil Sand (Shaley) (Fair bleed) |
| 7 | 284 | Sand (some water) | 1 | 685 | Oil Sand (Very shaley) (fair bleed) |
| 3 | 287 | Shale (Limey) | 2 | 687 | Shale (Oil sand strks) (fair bleed) |
| 12 | 299 | Lime | 2 | 689 | Shale (Oil sand strks) (Poor bleed) |
| 18 | 317 | Shale | TD | 731 | Shale |
| 10 | 327 | Lime | | | |
| 4 | 331 | Shale (Limey) | | | |
| 13 | 344 | Lime | | | |
| 6 | 350 | Black Shale | | | |
| 4 | 354 | Shale | | | |
| 20 | 374 | Lime | | | |
| 5 | 379 | Black Shale | | | |
| 7 | 382 | Lime | | | |
| 5 | 387 | Shale | | | |
| 4 | 391 | Lime | | | |
| 25 | 416 | Shale | | | |
| 23 | 439 | Sandy Shale | | | |
| 62 | 501 | Shale | | | |
| 5 | 506 | Light Shale (Limey) | | | |
| 17 | 523 | Shale | | | SET SURFACE – 2:30 PM – 8/28/17 |
| 2 | 525 | Coal | | | CALLED IN 1:30 PM – TALKED TO BROOKE |
| 34 | 559 | Shale | | | LONGSTRING – 721' of 2 7/8" 8' ROUND PIPE |
| 7 | 566 | Lime | | | SET TIME 3:00 PM – 8/29/17 |
| 7 | 573 | Shale | | | CALLED IN 1:156 PM - TALKED TO BROOKE |