Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1367354

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 #:

9/12/2017 Spud Date or Recompletion Date
9/13/2017 Date Reached TD
9/13/2017 Completion Date or Recompletion Date

API No.: 15-121-31366-00-00
Spot Description:
NW - SW - SE - NW Sec. 24 Twp. 16 S. R. 21 ☑ East ☐ West
3090 Feet from ☐ North / ☑ South Line of Section
3708 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: SCHENDEL Well #: 11-17
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1003 Kelly Bushing: 1003
Total Vertical Depth: 721 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

[redacted] 1367354

Operator Name: Bobcat Oilfield Service, Inc. Lease Name: SCHENDEL Well #: 11-17

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 ☐ Yes ☑ No
(Attach Additional Sheets)

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	658	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	8.750	6	8	20	Portland	5	60/40 POZ
Production	5.625	2.875	6	716	Portland	85	60/40 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 658 Bottom: 664

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)*
	658	664			

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	SCHENDEL 11-17
Doc ID	1367354

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	8.750	6	8	20	Portland	5	60/40 POZ
Production	5.625	2.875	6	716	Portland	85	60/40 POZ

Lease:	Schendel
Owner:	Bobcat Oilfield Services Inc
OPR #:	3895
Contractor:	DALE JACKSON PRODUCTION CO.
OPR #:	4339

Surface: 20' of 6"	Cemented: 5 Sacks	Hole Size: 8 ¾"
Longstring: 716' of 2 7/8" 8 round pipe	Cemented: 85 sacks	Hole Size: 5 5/8"

Dale Jackson Production Co.
Box 266, Mound City, Ks 66056
Cell # 620-363-2683
Office # 913-795-2991

Well #: 11-17	
Location: NW SW SE NW S24-T16-R21E	
County: Miami	
FSL: 3090	
FEL: 3708	
API#: 15-121-31366-00-00	
Started: 9-12-17	
Completed: 9-13-17	

SN: -	Packer: -	TD: 721'
Plugged: -	Bottom Plug:-	

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
1	1	Top Soil	19	541	Shale
5	6	Clay	10	551	Lime
5	11	Lime	20	571	Shale
5	16	Black Shale	4	575	Black Shale
12	28	Lime	3	578	Shale
8	36	Lime (Sandy)	5	583	Lime
18	54	Lime	4	587	Shale (Limey) (Oil sand strks) (Poor bleed)
5	59	Shale	15	602	Shale
1	60	Red Bed	4	606	Lime
10	70	Shale	3	609	Coal
11	81	Sandy Shale	25	634	Shale (Limey)
21	102	Lime	2	636	Lime
6	108	Sandy Shale	5	641	Shale
78	186	Shale	2	643	Black Shale
20	206	Lime	7	650	Shale
13	219	Shale	2	652	Lime
5	224	Sand (Limey)	2	654	Shale
12	236	Shale	1	655	Light Shale (Oil sand strks) (poor bleed)
8	244	Lime	2	657	Oil sand (shaley)(fair bleed)
2	246	Shale	2	659	Sandy Shale (Oil sand strks) (Limey) (poor bleed)
2	248	Black Shale	2	661	Oil Sand (very shaley) (poor bleed)
8	256	Shale	3	664	Oil Sand (some shale) (poor bleed) (some water)
10	266	Light Shale (Limey)	7	671	Sandy Shale
8	274	Sandy Shale	TD	721	Shale
8	282	Lime			
20	302	Shale			
25	327	Lime			
4	331	Black Shale			
5	336	Shale (Limey)			
22	358	Lime			
5	363	Black Shale			
3	366	Lime			
5	371	Shale			
5	376	Lime			
10	386	Shale (Limey)			
15	401	Shale			
10	411	Sandy Shale			
72	483	Shale			
5	488	Light Shale (Limey)			SET SURFACE – 12:00 PM – 9/12/17
3	491	Light Sandy Shale			CALLED IN 10:32 AM – TALKED TO BROOKE
5	496	Light Shale (Limey)			LONGSTRING – 716' of 2 7/8" 8' ROUND PIPE
19	515	Shale			SET TIME 3:30 PM – 9/13/17
7	522	Shale (Limey)			CALLED IN 2:36 PM - TALKED TO BROOKE