[redacted] 1367356

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 #:

9/8/2017 Spud Date or Recompletion Date
9/12/2017 Date Reached TD
9/12/2017 Completion Date or Recompletion Date

API No.: 15-121-31362-00-00
Spot Description:
NE - NE - NW - SW Sec. 24 Twp. 16 S. R. 21 ☑ East ☐ West
2579 Feet from ☐ North / ☑ South Line of Section
3970 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 #: 1W-17
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1018 Kelly Bushing: 1018
Total Vertical Depth: 741 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] 1367356

Operator Name: Bobcat Oilfield Service, Inc. Lease Name: ALVA SCHENDEL Well #: 1W-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	679	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	726	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:	
		Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	679	689

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)*
	679	689			

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 1W-17
Doc ID	1367356

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	726	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: 726' of 2 7/8" 8 round pipe	Cemented: 85 sacks	Hole Size: 5 5/8"

SN: -	Packer: -
Plugged: -	Bottom Plug:-

TD: 741'

Well Log

Well #: 1W-17	
Location: NE NE NW SW S24-T16-R21E	
County: Miami	
FSL: 2579	
FEL: 3970	
API#: 15-121-31362-00-00	
Started: 9-8-17	
Completed: 9-12-17	

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

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
2	2	Top Soil	7	562	Shale
6	8	Clay	9	571	Lime
22	30	Lime	12	583	Shale (Limey)
5	35	Black Shale	13	596	Shale
11	46	Lime	2	598	Coal
8	54	Lime (Shaley)	2	600	Shale
19	73	Lime	8	608	Lime
3	76	Shale	3	611	Shale (Limey) (Oil sand strks) (Poor bleed)
2	78	Red Bed	12	623	Shale
13	91	Shale	4	627	Lime
7	98	Sandy Shale	4	631	Coal
17	115	Lime	8	639	Shale (Limey)
3	118	Shale	7	646	Lime (Shaley)
8	126	Sandy Shale	8	654	Shale (Limey)
7	133	Shale	2	656	Lime
15	148	Sandy Shale	3	659	Shale (Limey)
57	205	Shale	2	661	Black Shale
20	225	Lime	3	664	Coal
6	231	Shale	6	670	Shale (Limey)
2	233	Sandy Shale	1	671	Lime
8	241	Sand (water) (some shale)	5	676	Shale
12	253	Shale	1	677	Light Shale (Oil sand strks) (poor bleed)
11	264	Lime	1	678	Oil Sand (Shaley) (good bleed)
15	279	Shale	3	681	Oil Sand (some shale) (good bleed)
6	285	Lime	1.5	682.5	Sandy Shale (Oil sand strks) (Limey) (poor bleed)
10	295	Lime (sandy)	1	683.5	Oil Sand (very shaley) (good bleed)
8	303	Lime	1.5	685	Oil sand (shaley) (good bleed)
22	325	Shale	2	687	Oil Sand (very shaley) (good bleed)
25	350	Lime	2	689	Oil Sand (very shaley) (some brown shale)(fair bleed)
3	353	Black Shale	2	691	Shale (Oil sand strks) (poor bleed)
7	360	Shale	7	698	Sandy Shale
21	381	Lime	TD	741	Shale
4	385	Black Shale			
3	388	Lime			
5	393	Shale			
4	397	Lime			
9	406	Shale (limey)			
14	420	Shale			
16	436	Sandy Shale			SET SURFACE – 12:30 PM – 9/8/17
74	510	Shale			CALLED IN 10:30 PM – TALKED TO BROOKE
14	524	Light Shale (Limey)			LONGSTRING – 726' of 2 7/8" 8' ROUND PIPE
16	540	Shale			SET TIME 11:30 AM – 9/12/17
15	555	Light Shale (Limey)			CALLED IN 10:32 AM - TALKED TO BROOKE