[redacted] 1367350

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 #:

8/30/2017 Spud Date or Recompletion Date
8/30/2017 Date Reached TD
9/1/2017 Completion Date or Recompletion Date

API No.: 15-121-31363-00-00
Spot Description:
NW- NW- NW-SW Sec. 24 Twp. 16 S. R. 21 ☑ East ☐ West
2572 Feet from ☐ North / ☑ South Line of Section
4998 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 #: 16W-17
Field Name:
Producing Formation: Squirrel
Elevation: Ground: 1022 Kelly Bushing: 1022
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

[redacted] 1367350

Operator Name: Bobcat Oilfield Service, Inc. Lease Name: ALVA SCHENDEL Well #: 16W-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	8.750	6	8	20	Portland	5	60/40 POZ
Production	5.625	2.875	6	719	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: 675 Bottom: 685

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	685			

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 16W-17
Doc ID	1367350

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	719	Portland	85	60/40 POZ

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

Surface: 20' of 6"	Cemented: 5 Sacks	Hole Size: 8 ¾"
Longstring: 719' 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 #: 16W-17
Location: NWNWNW SW S24-T16-R21E
County: Miami
FSL: 2572
FEL: 4998
API#: 15-121-31363
Started: 8-30-17
Completed: 9-1-17

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
3	3	Topsoil	21	538	Shale
4	7	Clay	5	543	Light Shale (Limey)
19	26	Lime	16	559	Shale
6	32	Black Shale	8	567	Lime
11	43	Lime	14	581	Shale (Limey)
8	51	Lime (shaley)	12	593	Shale
18	69	Lime	2	595	Coal
9	73	Shale	3	598	Shale
3	76	Red Bed	8	606	Lime
10	86	Shale	3	609	Shale (Limey) (Oil sand strks) (poor bleed)
10	96	Sandy Shale	3	612	Shale (Limey)
17	113	Lime	8	620	Shale
33	146	Sandy Shale	6	626	Lime
55	201	Shale	3	629	Coal
23	224	Lime	17	646	Shale (Limey)
6	230	Shale	7	653	Lime
5	235	Sandy Shale	5	658	Shale (Limey)
11	246	Shale	2	660	Coal
5	251	Light Shale (Limey)	7	667	Shale (Limey)
6	257	Lime	5	672	Shale
8	265	Shale (Limey)	2	674	Light Shale (Limey)
6	271	Shale	2	676	Light Shale (Oil sand strk) (poor bleed)
10	281	Sandy Shale	7	683	Oil Sand (very shaley) (fair bleed)
2	283	Lime	7	690	Shale (Oil Sand strks) (poor bleed)
3	286	Sandy Shale	6	696	Sandy Shale
6	292	Sandy Shale (Oder)	TD	731	Shale
8	300	Lime			
21	321	Shale			
25	346	Lime			
2	348	Black Shale			
9	357	Shale			
19	376	Lime			
5	381	Black Shale			
6	387	Lime			
3	390	Shale			
4	394	Lime			
7	401	Shale (Limey)			
15	416	Shale			
5	421	Sandy Shale			SET SURFACE – 3:30 PM – 8/30/17
3	424	Sandy Shale (Oil Sand Strks) (poor bleed)			CALLED IN 11:48 AM – TALKED TO BROOKE
12	436	Sandy Shale			LONGSTRING – 719' of 2 7/8" 8' ROUND PIPE
62	498	Shale			SET TIME 11:00 AM – 9/1/17
19	517	Light Shale (Limey)			CALLED IN 9:40 AM - TALKED TO BROOKE