Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1368174

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 #:

9/13/2017 Spud Date or Recompletion Date
9/15/2017 Date Reached TD
9/15/2017 Completion Date or Recompletion Date

API No.: 15-121-31355-00-00
Spot Description:
SE - SE - SE - SW Sec. 13 Twp. 16 S. R. 21 ☑ East ☐ West
6 Feet from ☐ North / ☑ South Line of Section
2958 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: NUTT Well #: AW-3-17
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1013 Kelly Bushing: 1013
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:** 11/29/2017

[redacted] 1368174

Operator Name: Bobcat Oilfield Service, Inc. Lease Name: NUTT Well #: AW-3-17

Sec. 13 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	670	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	POZ
Production	5.625	2.875	6	724	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 670 Bottom 683

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)*
	670	683			

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	NUTT AW-3-17
Doc ID	1368174

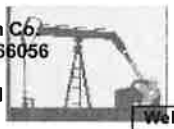
Casing

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	POZ
Production	5.625	2.875	6	724	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: 724' 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 #: AW-3-17
Location: SE,SE,SE,SW S13-T16-R21E
County: Miami
FSL: 6
FEL: 2958
API#: 15-121-31355-00-00
Started: 9-13-17
Completed: 9-15-17

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

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
2	2	Top Soil	3	516	Coal
6	8	Clay	23	539	Shale
4	12	Lime	10	549	Shale (Limey)
3	15	Black Shale	7	556	Lime
17	32	Lime	15	571	Shale (Limey)
4	36	Sand (Limey)	10	581	Shale
20	56	Lime	3	584	Coal
4	60	Shale	4	588	Shale
5	65	Red Bed	6	594	Lime
2	67	Shale	2	596	Shale (Limey) (Oil Sand strks) (poor bleed)
15	82	Sandy Shale	2	598	Oil Sand (very shaley) (fair bleed)
18	100	Lime	1	599	Shale (Oil sand strks) (poor bleed)
34	134	Sandy Shale	11	610	Shale
57	191	Shale	4	614	Lime
20	211	Lime	4	618	Black Shale
5	216	Shale	13	631	Shale (Limey)
10	226	Sandy Shale	2	633	Lime
15	241	Shale	9	642	Shale (Limey)
10	251	Lime	5	647	Shale
15	266	Shale	2	649	Coal
10	276	Sand (Limey) (water)	2	651	Lime
5	281	Shale	6	657	Shale
6	287	Lime	1	658	Lime
23	310	Shale	5	663	Shale (Limey)
25	335	Lime	7	670	Light Shale
6	341	Black Shale	4	674	Light Shale (Oil sand strks) (poor bleed)
5	346	Shale	5	679	Oil Sand (very shaley) (good bleed)
20	366	Lime	7	686	Shale (Oil sand strks) (fair Bleed)
5	371	Black Shale	TD	731	Shale
3	374	Lime			
3	377	Shale			
6	383	Lime			
14	397	Shale (Limey)			
10	407	Shale			
17	424	Sandy Shale			
62	486	Shale			
5	491	Light Sandy Shale (Limey)			
2	493	Light Shale (Oil show)			
3	496	Oil Sand (very shaley) (fair bleed)			SET SURFACE – 4:00 PM – 9/13/17
2	498	Light Sandy Shale (oder)			CALLED IN 12:43 PM – TALKED TO BROOKE
7	505	Light Sandy Shale			LONGSTRING – 724' of 2 7/8" 8' ROUND PIPE
6	511	Shale (Limey)			SET TIME 11:00 AM – 9/15/17
2	513	Shale			CALLED IN 11:18 AM - TALKED TO BROOKE