KOLAR Document ID: 1455551

CORRECTION #1

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
January 2018
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 #:

10/23/2018 Spud Date or Recompletion Date
10/25/2018 Date Reached TD
10/25/2018 Completion Date or Recompletion Date

API No.: 15-121-31530-00-00
Spot Description:
SE - NW - SW - NE Sec. 30 Twp. 16 S. R. 22 ☑ East ☐ West
3623 Feet from ☐ North / ☑ South Line of Section
2277 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: MCCANN Well #: WW-22
Field Name: Paola-Rantoul
Producing Formation: Squirrel
Elevation: Ground: 1018 Kelly Bushing: 0
Total Vertical Depth: 710 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:** 03/28/2019

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CORRECTION #1

Page Two

Operator Name: Bobcat Oilfield Service, Inc. Lease Name: MCCANN Well #: WW-22

Sec. 30 Twp. 16 S. R. 22 ☑ 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	☐ Log	Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☐ Yes	☑ No	Name: Squirrel	Top: 645 Datum: GL
Cores Taken	☑ Yes	☐ No		
Electric Log Run	☑ Yes	☐ No		
Geologist Report / Mud Logs	☐ Yes	☑ No		

List All E. Logs Run:

GammaRayNeutronCCL

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	10	20	Portland	5	50/50 POZ
Production	5.625	2.875	6	703	Thixatropic	68	N/A

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)*	645	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)*
	645	664			

TUBING RECORD: Size: Set At: Packer At:

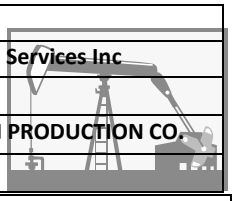
Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Bobcat Oilfield Service, Inc.
Well Name	MCCANN WW-22
Doc ID	1455551

Casing

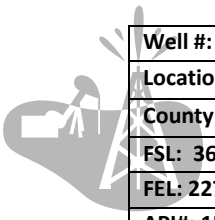
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	8.750	6	10	20	Portland	5	50/50 POZ
Production	5.625	2.875	6	703	Thixatropic	68	N/A

Lease:	**McCann**
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"**
Long string: 703' 0f 2 7/8" round	**Cemented: Did not cement**	**Hole Size: 5 5/8"**

Dale Jackson Production Co.
Box 266, Mound City, Ks 66056
Cell # 620-363-2683
Office # 620-363-2696



Well #: WW-22
Location: SE,NW,SW,NE, S30-T16-R22E
County: Miami
FSL: 3623
FEL: 2277
API#: 15-121-31530-00-00
Started: 10/23/18
Completed: 10/25/18

SN: none	**Packer: -**	**TD: 710'**
Plugged: -	**Bottom Plug: -**	

Well Log

TKN	BTM Depth	Formation	TKN	BTM Depth	Formation
1	1	Top soil	9	545	Shale
9	10	Clay	5	550	Lime
2	12	Black Shale	19	569	Shale
9	21	Lime	2	571	Lime
3	24	Shale	3	574	Oil sand (some shale) (fair bleed)
16	40	Lime	3	577	Sand Shale (Oil sand strks)
38	78	Shale	11	588	Sand shale
10	88	Lime (shaley) (taking fluid)	3	591	Shale lime
24	112	Shale	5	596	Lime
6	118	Sandy Shale	2	298	Black shale
61	179	Shale	25	621	Shale (limey)
19	198	Lime	3	624	Lime
12	210	Shale	10	634	Shale Black
5	215	Sand Shale	2	636	Lime
6	221	Shale	5	641	Shale
1	222	Red Bed	1	642	Sandy shale (oil sand strks)
6	228	Light shale limey	2	644	Oil sand (very shaley)
5	233	Lime	6	650	Oil Sand (some water) (fair bleed)
17	250	Shale	4.5	654.5	Oil sand (some shale) (fair bleed)
5	255	Red Bed	4	658.5	Shale (Oil sand strks)
10	265	Shale	2	660.5	Oil sand (very shaley) (fair bleed)
13	278	Lime	3.5	664	Shale (Oil sand strks)
7	285	Black Shale	TD	710	Shale
3	288	Lime			
8	296	Shale			
20	316	Lime			
12	328	Shale			
22	350	Lime			
5	355	Black Shale			
2	357	Lime			
6	363	Shale (limey)			
6	369	Lime			
21	390	Shale			
1	391	Lime			
84	475	Shale			
1	476	Sand shale (oil sand strks) (odor)			Surface 10-23-18
1	477	Oil Sand (very shaley) (poor bleed)			Set time 3:30 pm
4	481	Sand Shale (oil sand strks)			Called 1:30 pm, Talked to Brooke
10	491	Shale (limey)			Long string 703' of 2 7/8 round, 710 TD
35	526	Shale			Set time 2:30 pm, 10-25-18
2	528	Lime			Called 1:30 pm Talked to Brooke
4	532	Lime (oil sand strks) (odor)			
4	536	Lime			

TREATMENT REPORT

HURRICANE SERVICES INC

Customer:	Bobcat Oil		Date:	10/25/2018	Ticket #: ICT 1500
Field Rep:					
Address:					
City, State:					
County, Zip:					

Field Order No.:		Open Hole:	
Well Name:	McCann #22	Casing Depth:	
Location:	Wellsville, KS	Casing Size:	
Formation:		Tubing Depth:	703'
Type of Service:	Longstring	Tubing Size:	2 7/8
Well Type:	Oil	Liner Depth:	
Age of Well:	New	Liner Size:	
Packer Type:		Liner Top:	
Packer Depth:		Liner Bottom:	
Treatment Via:	Tubing	Total Depth:	

Perf Depths (ft)		Perfs
	Total Perfs	0

TIME	INJECTION RATE FLUID	INJECTION RATE N2/CO2	PRESSURE STP	PRESSURE ANNULUS	REMARKS	PROP (lbs)	HCL (gls)	FLUID (bbls)
					On location safety meeting. Spot in and rig up			
					Hook up to tubing			
	3.0		50.0		Break circulation			6.00
	3.0		50.0		Pump mudflush			10.00
	3.0		50.0		Pump dyed water			5.00
	3.0		50.0		Mix and pump cement			22.65
					Stop			
					Wash pump and lines Drop plug			
	2.0		200.0		Displace			4.00
	0.8		1,100.0		Bump plug			
			400.0		Shut in well			
					Wash up truck			
					Rig down			
					TOTAL:	-	-	47.65

SUMMARY			
Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI
3.0	2.5	1,100.0	271.4

PRODUCTS USED

68 sacks Thixatropic cement

Treater: Jake Heard

Customer:

Summary of Changes

Lease Name and Number: MCCANN WW-22

API/Permit #: 15-121-31530-00-00

Doc ID: 1455551

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	12/11/2018	03/28/2019
Method Of Completion - Perf	No	Yes
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1427883	../../kcc/detail/operatorEditDetail.cfm?docID=1455551
TopsDatum1	N/A	GL
TopsDepth1	N/A	645
TopsName1	N/A	Squirrel

Summary of Attachments

Lease Name and Number: MCCANN WW-22

API: 15-121-31530-00-00

Doc ID: 1455551

Correction Number: 1

Attachment Name