KOLAR Document ID: 1506872

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 #		API No.:
Name:		Spot Description:
Address 1:		
Address 2:		Feet from  North / South Line of Section
City: State: Z	ip:+	Feet from _ East / _ West Line of Section
Contact Person:		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		□NE □NW □SE □SW
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Entry	Workover	Field Name:
		Producing Formation:
Oil WSW SWD		Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR ☐ GSW		Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:		If yes, show depth set: Feet
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to:w/sx cmt.
Original Comp. Date: Original 1	Total Depth:	
Deepening Re-perf. Conv. to E	EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to 0	GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
		Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
		Location of fluid disposal if bouled office.
		Location of fluid disposal if hauled offsite:
	_	Operator Name:
		Lease Name: License #:
Spud Date or Date Reached TD	Completion Date or	Quarter Sec TwpS. R
Recompletion Date	Recompletion Date	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: Date:				

KOLAR Document ID: 1506872

#### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	Ea	ast West	County:				
	flowing and shu	ıt-in pressures, w	hether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	. Digital electronic log
Drill Stem Tests Ta			Yes No		_	on (Top), Depth ar		Sample
Samples Sent to G	Geological Surv	ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		R			New Used	on, etc.		
Purpose of Strir		Hole	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / S	QUEEZE RECORD	I		
Purpose:		epth Ty	pe of Cement	# Sacks Used		Type and F	Percent Additives	
Protect Casi								
Plug Off Zon								
<ol> <li>Did you perform a</li> <li>Does the volume o</li> <li>Was the hydraulic</li> </ol>	of the total base f	luid of the hydraulic	fracturing treatment	_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three (	,
Date of first Producti Injection:	ion/Injection or Re	esumed Production	/ Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			N INTERVAL: Bottom
	_	on Lease	Open Hole			mmingled mit ACO-4)	Тор	Bottom
,	, Submit ACO-18.)				· · · · · · · · · · · · · · · · · · ·			
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid	Fracture, Shot, Cer (Amount and Kind	menting Squeeze  I of Material Used)	Record
TUBING RECORD:	Size:	Set /	At:	Packer At:				
. 5213 (1200) 10.	JIEG.			. 30.0.71				

Form	ACO1 - Well Completion
Operator	Bobcat Oilfield Service, Inc.
Well Name	SPINDLE 4W-19
Doc ID	1506872

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	8.750	6	10	20	Portland	5	50/50 POZ
Production	5.625	2.875	8	391	Portland	60	50/50 POZ

Lease:	Spindle	
Owner:	Bobcat Oilfield	Services
OPR #:	3895	V A
Contractor:	DALE JACKSON	PRODUCTION CO.
OPR #:	4339	\$ /∃\ <b>□</b> ∃-3.
Surface:	Cemented:	Hole Size:
20' of 6"	5 Sacks	8 ¾"
Longstring:	Cemented:	Hole Size:
381' 2 7/8 8rd	60 sacks	5 5/8

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

0	Well #: 4W-19
	Location: NWNWSESWS18T17SR24E
ĺ	County: Miami
K	FSL: 1275
	FEL: 3674
	API#:15-121-31615
	Started: 11-4-2019
	Completed: 11-5-2019
I	TD: 391'

SN:	Раскег:	
		l
Plugged:	Bottom Plug:	

## Well Log

	ВТМ	Formation	TKN	втм	Formation
	Depth	Formation	IKN	Depth	Formation
2	2	Top Soil			
3	5	Clay & Lime streak			
10	15	Lime			
25	40	Shale			
3	43	Lime			
45	88	Shale			
11	99	Lime			
14	113	Shale			
31	144	Lime			
3	147	Black Shale			
3	150	Light Shale			
17	167	Lime			
4	171	Black Shale			
4	175	Lime			
5	180	Shale			
5	185	Lime			
5	190	Light Shale			
5	195	Light Shale (Limey)			
10	205	Sandy Shale			
10	215	Shale			
61	276	Sandy Shale			
26	302	Shale			
30	332	Light Shale			
5	337	Black Shale			
3	340	Light Shale			
1	341	Light Sandy Shale (Strong odor)			
3	344	Oil Sand (Shaley) ((Poor bleed)			Surface 20' of 6"
3	347	Oil Sand (Some Shale & Lime) (Fair bleed)			Set Time 1:00PM 11-4-2019
3	350	Oil Sand (Very Limey) (Poor Bleed)			Called Brooke 11:22AM
2	352	Oil Sand (Shaley) (Poor bleed)			Longstring 381' 2 7/8 8rd 391' TD
2	354	Oil Sand (Some Shale) (Fair bleed)			Set Time 12:30PM 11-5-2019
2	356	Oil Sand (Very Shaley) (Poor bleed)			Called Brooke 11:34AM
2	358	Sandy Shale			
16	374	Shale			
3	377	Red Bed			_
TD	391	Shale & Red Bed			