KOLAR Document ID: 1377703

Confiden	tiality Re	quested:
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 	VOF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
	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 Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
SWD Permit #: EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date 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:

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Operator Nam	ne:			Lease Name:	_ Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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 Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	Type of Cement # Sacks		Type and Percent Additives				
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	mingled	юр	
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Bobcat Oilfield Service, Inc.
Well Name	MCCANN WW-20
Doc ID	1377703

Casing

	Size Hole Drilled	Size Casing Set	U U	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	8.750	6	10	20	Common	5	60/40 POZ
Production	5.625	2.875	6	697	Common	95	60/40 POZ

C	ell # 62	0-363-2683	В	ox 266, Me Office :		City, Ks 6 795-2991	6056 A			
Surface		Cemented:	Hole Size:		1000		<u> (1 1 - 1)</u>	Well #: WW-20		
20' of 6'		5 Sacks Cemented:	8 ¾" Hole Size:					Location:NW,NE,NE,SE,S30-T16-		
Longstr 697' of 2		95 sacks	5 5/8"					R22E County: Miami		
8 round		JU BUCKS	0.00					FSL: 2613		
SN: -		Packer: -	8	TD: 711			10/-11	FEL: 505		
							Well	API#:15-121-31417-00-00		
Plugged	d: -	Bottom P	lug:-		Log			Started: 12-19-17		
Lease:		McCann				3		Completed: 12-21-17		
Owner:		Bobcat Oilfiel	d Services	-						
OPR #:		5876		-						
Contrac	ctor:	DALE JACKS	ON PRODUCTION							
		CO.								
OPR #:		4339								
TKN	BTM Depth	Formation	n		TKN	BTM Depth	Formation			
2	2	Top Soil			3	562	Lime			
5 10	7	Clay Lime			16 8	578 586	Shale Lime			
3	20	Black Sha	le		5	591		ney)(Good Bleed)		
18	38	Lime			12	603	Shale			
5	43	Sandy Sha	ale		3	606	Lime			
20	1		Lime		1	607	Black Shale			
16 15	79 94	Shale Lime			12 3	619 622	Shale Lime			
11	105	Sandy Sha	ale		9	631	Shale			
16	121		Shale (sand strks)			636	Lime			
8	129		Sand (some shale)		18	654	Shale			
65 19	194 213	Shale Lime			4	658 660	Oll Sand (Go			
4	213	Shale			2	661		aley)(fair bleed) (Oil sand strks)		
14	231	Sand			2	663	Oil Sand (sh	aley)(Fair bleed)		
24	255	Shale			10	673		(Oil Sand strks)		
8	263	Lime			TD	711	Shale			
5	268 272	Black Sha Shale	le							
12	284	Lime				-				
3	287	Black Sha	le	-						
1	288	Lime								
14 22	302 324	Shale Lime								
5	329	Black Sha	le							
7	336	Shale			1					
25	361	Lime	*							
2	363 379	Black Sha Lime	10							
16	379	Shale				-	-			
10	405	Sandy Shi	ale	-						
74	479	Shale								
10	489		ale (sand strks)(slight o	i show)		-				
12	501 502	Shale Coal								
14	516	Shale								
4	520	Red Bed								
14	534	Shale	24					CE - 12:30 PM - 12/19/17		
5	539		er)(very slight oil show)					10:10 PM – TALKED TO BROOKE IG – 697' of 2 7/8" 8' ROUND PIPE		
5	544	Shale								
7 8	551 559	Lime Shale					SET TIME 1	1:00 AM - 12/21/17 9:28 AM - TALKED TO BROOKE		