KOLAR Document ID: 1311781

Confider	ntiality 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 OF WELL & LEASE

OPERATOR: License #		API No.:	
Name:		Spot Description:	
Address 1:			Nest
Address 2:		Feet from North / South Line of Sev	
City: State: Zip:	+	Feet from East / West Line of Sec	
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 #:	
		Field Name:	
New Well Re-Entry	Workover	Producing Formation:	
		Elevation: Ground: Kelly Bushing:	
		Total Vertical Depth: Plug Back Total Depth:	
OG GSW GSW 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	
		w/3	onn.
Original Comp. Date: Original Tota			
Deepening Re-perf. Conv. to EOF		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)	
Commingled Permit #:		Chloride content: ppm Fluid volume:	bbls
Dual Completion Permit #:		Dewatering method used:	
SWD Permit #:		Location of fluid disposal if hauled offsite:	
EOR Permit #:		Operator Name:	
GSW Permit #:			
		Lease Name: License #:	
Spud Date or Date Reached TD	Completion Date or Recompletion Date	Quarter Sec TwpS. R East County: Permit #:	vest

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 Name:	Lease Name:	Well #:
Sec TwpS. 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		Log Formation (Top), Depth		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 Perforate		Туре	e of Cement	# Sacks Used		Type and Percent Additives			
Protect Casing Plug Back TD Plug Off Zone									
2. Does the volume of the	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/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours			Mcf	Water Bbls. Gas-Oil Ratio Gravity				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 Perf.			Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)			
	Per Perforation Perforation Bridge Plug Bridge Plu t Top Bottom Type Set At		Bridge Plug Set At						
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	GRANT 9-4
Doc ID	1311781

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	2857-65		
	CIBP		3250

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.250	8.625	23	309	60/40 Poz		2% gel 3% CC
Production	7.875	5.5	15.5	3293	AA2	125	