KOLAR Document ID: 1410069

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

Address 1:	OPERATOR: License #	API No.:			
Address 2:	Name:	Spot Description:			
City:	Address 1:	SecTwpS. R East West			
Contact Person:	Address 2:	Feet from North / South Line of Section			
Designate Type of Completion: Designate Type of Completion	City: State: Zip: +	Feet from _ East / _ West Line of Section			
CONTRACTOR: License #	Contact Person:	Footages Calculated from Nearest Outside Section Corner:			
Name:	Phone: ()	□NE □NW □SE □SW			
Name:	CONTRACTOR: License #	GPS Location: Lat: . Long:			
Designate Type of Completion:	Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)			
Purchaser:	Wellsite Geologist:	Datum: NAD27 NAD83 WGS84			
Designate Type of Completion: New Well		County:			
New Well		Lease Name: Well #:			
Oil		Field Name:			
Gas		Producing Formation:			
OG		Elevation: Ground: Kelly Bushing:			
GM (Coal Bed Methane)		Total Vertical Depth: Plug Back Total Depth:			
Cathodic Other (Core, Expl., etc.): Multiple Stage Cementing Collar Used? Yes No					
If Workover/Re-entry: Old Well Info as follows:					
Operator: Well Name: If Alternate II completion, cement circulated from:					
Well Name: Original Total Depth: feet depth to: w/ sx cmt. Original Comp. Date: Original Total Depth: feet depth to: w/ sx cmt. Deepening	•				
Original Comp. Date: Original Total Depth: Deepening	Operator:				
Deepening Re-perf. Conv. to EOR Conv. to SWD Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Commingled Permit #: Dual Completion Permit #: Dewatering method used: De	Well Name:	feet depth to: w/ sx cmt.			
Plug Back Liner Conv. to GSW Conv. to Producer (Data must be collected from the Reserve Pit) Commingled Permit #:	Original Comp. Date: Original Total Depth:				
Commingled Permit #:	☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD				
Dual Completion Permit #:	☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)			
Dual Completion Permit #: Dewatering method used: Location of fluid disposal if hauled offsite: Completion Date or Dewatering method used: Location of fluid disposal if hauled offsite: Completion Date or License #: License #:	Commingled Parmit #	Chloride content: ppm Fluid volume: bbls			
SWD Permit #:		Dewatering method used:			
EOR Permit #: Operator Name:		Location of fluid disposal if hauled offsite:			
GSW		Econion of haid disposal in fladied choice.			
Spud Date or Date Reached TD Completion Date or Quarter Sec. Twp. S. R. East West		Operator Name:			
Spud Date or Date Reached TD Completion Date or ———————————————————————————————————	<u> </u>	Lease Name: License #:			
	Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R			
	- P	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 Approved by: Date:					

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Page Two

Operator Name:				Lease Name:			Well #:	
Sec Twp.	S. R.	Ea	st West	County:				
	lowing 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	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to G	eological 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					
		Re			New Used	ion, etc.		
Purpose of Strin		Hole	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	QUEEZE RECORD	l		
Purpose:		epth Ty Bottom	pe of Cement	# Sacks Used	Type and Percent Additives			
Protect Casi								
Plug Off Zon								
 Did you perform a Does the volume o Was the hydraulic 	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:	on/Injection or Re	esumed Production	/ Producing Meth	nod:	Gas Lift 0	Other <i>(Explain)</i>		
Estimated Production Oil Bbls. Per 24 Hours						Gas-Oil Ratio	Gravity	
DISPOSITION OF GAS: METHOD OF COM					LETION:			ON INTERVAL:
			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:				
. 5513 1200 10.	5120.		···	. 30.0.71				

Form	ACO1 - Well Completion
Operator	Ritchie Exploration, Inc.
Well Name	MOORE HEIRS 4
Doc ID	1410069

Tops

Name	Тор	Datum
Anhydrite	1507	+764
B/Anhydrite	1531	+740
Stotler	3250	-979
Heebner	3764	-1493
Toronto	3778	-1507
Lansing	3806	-1697
Muncie	3968	-1697
Stark	4088	-1817
Hush	4124	-1853
BKC	4146	-1875
Altamont	4178	-1907
Pawnee	4216	-1945
Fort Scott	4308	-2037
Cherokee	4325	-2054
Mississippian	4396	-2125

Form	ACO1 - Well Completion
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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	12.25	8.63	23	220	Common	165	3%cc,2%g el
Production	7.88	5.50	15.50	4483	OWC		10%salt,2 %gel,5#pe r sack gilsonite & 1/4% CDI- 26