KOLAR Document ID: 1436669

Confident	tiality R	equested:
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.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:				
OilWSWSWD GasDHEOR	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 #: 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 Reached TD Recompletion Date of 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 Nan	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 Sheets)		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 Perforate Top Botto		Туре	e of Cement	# Sacks Used		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 Water Bbls. Gas-Oil Ratio			Gravity			
DISPOSITIO	N OF GAS:		METHOD OF 0			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)				
Shots Per Perforation Perforation Foot Top Bottom			Bridge Plug Bridge Plug Type Set At			Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	RJ Energy, LLC
Well Name	MURROW 11-I
Doc ID	1436669

Casing

	Size Hole Drilled	Size Casing Set	U U	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7	17	20	portland	4	
Production	5.875	2.875	6.5	643	portland	61	



Mound City, KS 620.224.7406

								_		620.224.7406
		We						Ca	ising	
MURROW #11-I								Surface	Longstring	
RJ ENERGY, LLC					Size:	7.0 "	Size:	2 7/8 "		
							Tally:	20 '	Tally:	643.5 '
API #:	15-107	7-25303	S-T-R:	16-23-22E			Cement:	4 sx	Bit:	5.875 "
County:	Linn		Date:	11/26/2018			Bit:	9.875 "	Date:	11/28/2018
Тор	Base	Form	ation			Тор	Base	Formation		
0	2	Soil								
2	22	Lime								
22	26	Shale		Blk.					_	
26	29	Lime							_	
29	31	Shale							_	
31	48	Lime								
48	50	Shale								
50	70	Lime								
70	70	Shale								
70	81	Lime								
81	245	Shale								
245	245	Lime								
243	332	Shale								
332	362	Lime		Clight oil show						
362	403			Slight oil show						
		Shale		201					_	
403	421	Lime		20'					_	
421	431	Shale								
431	434	Lime		5'						
434	532	Shale								
532	535	Lime								
535	616	Shale							_	
616	625	Sand								
625	643	Shale								
643		Sand								
646		TD						Sand / Core I		
						Core #1:	1	Core #2		
						616	622	Slight laminated,	good blee	d, good odor, soft.
						622	625	Good bleed, good	d soft sand	
				Total Depth:	6	646				
		1								



HURRICANE SERVICES INC

nit To: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

stomer:	Invoice D	11/28/2018	
ENTERPRISES	Invoic	0050229	
D ROGER KENT	Lease Na	Murrow	
382 NEOSHO RD	We	11-i (New)	
RNETT, KS 66032	Cou	Linn	
Description	HRS/QTY	Rate	Total
I612 Longstring	0.000	0.000	0.00
ip truck #271	1.000	675.000	675.00
atropic	61.000	20.000	1.220.00
rubber plug 2 7/8"	2.000	32.000	64.00

Total 1,959.00

ERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or ideral laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price inbout discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customor agrees to pay all ollection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice. ALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the rel information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!