KOLAR Document ID: 1546284

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: Zip: +	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	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	·
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)
Described	Chloride content: ppm Fluid volume: bbls
☐ Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Location of fluid disposal if flauled offsite.
GSW Permit #:	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 Approved by: Date:

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### Page Two

Operator Name:					Lease Na	ame: _			Well #:	
SecTwp	oS.	R	East	West	County: _					
open and closed, and flow rates if g	flowing and s gas to surface y Log, Final L	hut-in pressu test, along wi ogs run to ob	res, whe ith final c tain Geo	ther shut-in pre chart(s). Attach physical Data a	essure reache extra sheet i and Final Elec	ed stati if more ctric Lo	c level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool rature, fluid recovery,  Digital electronic log
Drill Stem Tests To			Y	es No		L	og Formatio	on (Top), Dept	h and Datum	Sample
Samples Sent to	,	ırvey	Y	es No		Nam	е		Тор	Datum
Cores Taken Electric Log Run Geologist Report List All E. Logs Ri	_		Y	es No es No es No						
			David		RECORD	☐ Ne				
	Qi	ize Hole	-	re Casing	Weight		ermediate, producti	on, etc.	# Sacks	Type and Percent
Purpose of Str		Drilled		t (In O.D.)	Lbs. / F		Depth	Cement	Used	Additives
	'	'		ADDITIONAL	. CEMENTING	3 / SQL	JEEZE RECORD		'	
Purpose:		Depth p Bottom	Туре	of Cement	# Sacks U	sed		Туре а	and Percent Additives	
Perforate Protect Cas Plug Back	sing	p Bottom								
Plug Off Zo										
Did you perform     Does the volume     Was the hydraulic	of the total bas	e fluid of the hy	draulic fra	acturing treatmen		•		No (If No	o, skip questions 2 an o, skip question 3) o, fill out Page Three o	
Date of first Produc	ction/Injection or	Resumed Prod	duction/	Producing Meth			0.1%	W 45 ( )		
,				Flowing	Pumping			other (Explain) _		
Estimated Product Per 24 Hours	tion	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio	Gravity
DISPO	SITION OF GA	S:		N	METHOD OF C	OMPLE	ETION:		PRODUCTIO	
Vented	Sold Us	ed on Lease		Open Hole	Perf.	_ ,		nmingled	Тор	Bottom
(If vented	d, Submit ACO-1	8.)				(Submit	ACO-5) (SUD	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforati Bottom		Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECORD	): Size:	:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Patterson Energy LLC
Well Name	REED 1
Doc ID	1546284

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	312	common	190	na
Production	7.875	5.5	17	3283	common	200	10% Salt

# LWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 Office P.O. Box 20. QUALITY OILWEL

6	785-483-1071	H
78	5-324-1041	

Home Office P.O. Box 32 Russell, KS 67665

No. 2057

I detectical pro-

-	Sec.	Two	Pange		County	State	-	On I	ocation	Finish	
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/ Ke	Pol	[	Wall No.	Locati	on Classin	I who has 25	110				
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Contractor Mustin	Rig	20		-	Vou pro horo	by requested t	o rent c	ementing er or con	g equipment tractor to do	and furnish work as listed.	
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Csg. Size		Depth Depth	310	-	Street			State	1	men a min	
Tool					City	dana ta astisfa	otion and		ion of owner	agent or contractor.	
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Bulktrk No. Driver	1190	, 0			Gel.		To the last		1000		
JOB SERV	/ICES &	REMAR	KS		Calcium 6		-	-			
Remarks:				100	Hulls				777		
Rat Hole		-	-		Salt						
Mouse Hole					Flowseal						
Centralizers		Kol-Seal									
Baskets	-				Mud CLR 48	200000000000000000000000000000000000000	100		200000	- 0.000	
OV or Port Collar				-	CFL-117 or CI	D110 CAF 38				-	
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# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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### **AUSTIN B. KLAUS**

Cell 785.650.3629 Work 785.483.3145 Ext 225

PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: Reed #1

API: 15-053-21373-00-00 Location: Ellsworth County

License Number: Region: Kansas

Surface Coordinates: Section 23 - Township 17 South - Range 9 West

1540' FNL & 990' FWL

Bottom Hole Vertical well w/ minimal deviation, same as above

**Coordinates:** 

Ground Elevation (ft): 1,761' K.B. Elevation (ft): 1,772 Logged Interval (ft): 2,400 To: RTD Total Depth (ft): 3,280

Formation: Lansing-Kansas City - Arbuckle

Type of Drilling Fluid: Chemical (Andy's Mud)

Printed by StripLog from WellSight Systems 1-800-447-1534 www.WellSight.com

### **OPERATOR**

Company: Patterson Energy, LLC

Address: PO Box 400

Hays, KS 67601

### **GEOLOGIST**

Name: Austin Klaus

Company: John O. Farmer, Inc.

Address: PO Box 352

Russell, KS 67665

### Comments

The Reed #1 well was drilled by Murfin Drilling Company Inc. Rig #20.

Reed #1 was discovered via 3D seismic survey. Drilling time was recorded, and rock samples were collected and evaluated from 2,400'- 3280'. Oil shows were encountered in the Arbuckle. Structurally, the Heebner top was picked 8' high to the comparison well, located 500' south (Dees #2 - 1935). Structure remained consistent throughout the LKC and below, which resulted in an Arbuckle top picked 9' high to the comparison well. After comprehensive evaluation of all oil shows, electric logs, and structural position, it was decided that 5 1/2" production casing be set to further evaluate the Reed #1 on 9/28/2020.











