Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1257305

Form ACO-1 November 2016 Form must be Typed Form must be Signed All blanks must be Filled

# WELL COMPLETION FORM

		•••			
WELL	HISTORY	- DESCR	<b>IPTION</b>	OF WE	LL & LEASE

OPERATOR: License #			API No.:	
Name:			Spot Description:	
Address 1:				cTwpS. R 🗌 East 🗌 We
Address 2:				Feet from North / South Line of Section
City: State	e: Zij	D:+		Feet from East / West Line of Secti
Contact Person:			Footages Calculated fror	m Nearest Outside Section Corner:
Phone: ()				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-Er	ntrv	Workover	Field Name:	
	_		Producing Formation:	
			Elevation: Ground:	Kelly Bushing:
Gas DH			Total Vertical Depth:	Plug Back Total Depth:
GG GK (Coal Bed Methane)	GSW		Amount of Surface Pipe	Set and Cemented at: Fe
Cathodic Other (Core, E	Expl. etc.);			ng Collar Used? 🗌 Yes 🗌 No
If Workover/Re-entry: Old Well Info				Fe
				, cement circulated from:
Well Name:				
Original Comp. Date:	_			
Deepening Re-perf.	Conv. to E	DR Conv. to SWD	Drilling Fluid Managem (Data must be collected from	
Commingled F	Permit #:		Chloride content:	ppm Fluid volume: b
			Dewatering method used	d:
SWD F	Permit #:		Location of fluid disposal	l if hauled offsite:
EOR F	Permit #:		Operator Name:	
GSW F	Permit #:			
Spud Date or Date Reach	ned TD	Completion Date or		TwpS. R 🔲 East 🗌 Wo
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:					

	Page Two	1257305
Operator Name:	Lease Name:	Well #:
Sec TwpS. R   East  West	County:	
INSTRUCTIONS: Show important tops of formations penetrated. De	tail all cores. Report all fi	nal conies of drill stems tests giving interval tested, time tool

**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			Yes No		Log Formation	on (Top), Depth a	and Datum	Sample
Samples Sent to Geological Survey		Yes No	Na	ame		Тор	Datum	
Cores Taken Electric Log Run Geolgist Report / List All E. Logs R	/ Mud Logs		Yes No Yes No Yes No					
			CASING Report all strings set-	RECORD	New Used	tion, etc.		
Purpose of St		e Hole rilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / S	QUEEZE RECORD	1		
Purpose: Perforate		Depth Bottom	Type of Cement	# Sacks Used	Used Type and Percent Additives			
Protect Ca Plug Back	то							
	e of the total base	fluid of the hydra	n this well? aulic fracturing treatmer submitted to the chemi	-		No (If No, s	kip questions 2 ar kip question 3) Il out Page Three	
Date of first Produce Injection:	ction/Injection or F	Resumed Product	tion/ Producing Met	hod:	Gas Lift	Other <i>(Explain)</i>		
Estimated Produc Per 24 Hours		Oil Bbls.	Gas	Mcf V	Vater E	Bbls.	Gas-Oil Ratio	Gravity
DISPO	OSITION OF GAS	:		METHOD OF COM	PLETION:		PRODUCTIO	ON INTERVAL:
Vented	Sold Use	d on Lease	Open Hole			Тор	Bottom	
(If vented, Submit ACO-18.)			(Sub	omit ACO-5) (Sub	omit ACO-4)			
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Acid, Fracture, Shot, Cementing Squ Set At (Amount and Kind of Material				

Packer At:

Size:

Set At:

TUBING RECORD:

Form	ACO1 - Well Completion
Operator	Lawco Holdings, LLC
Well Name	Radcliff 2-4
Doc ID	1257305

All Electric Logs Run

Sonic Log	
Composite Log	
Litho Density	
Dual Induction	

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# Tops

Name	Тор	Datum
Pawhuska	940	1341
Stalnaker	1661	1341
Hog Shooter	2004	1341
Altamont	2436	1341
FortScott	2548	1341
Mississipian Chat	2862	1341
Meramecian	2892	1341
Woodford	3218	1341
Arbuckle	3224	1341

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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	8.625	23	316	Class A	175	3% caclz and Flocele
Production	7.825	5.5	15.5	3232	Thickset cen=ment and lite cement	300	6% prem gel; Pheno seal 2# per sk; Kol seal 5# per sk; Pheno seal 2# per sk



Ticket	N⁰	50571	
Location			
Foreman 🛴	) Dayne	Joe	
	/ /		

Customer Signature

Hurricane Services, Inc. 104 Prairie Plaza Parkway Garnett, KS 66032 Office # 785-448-3100 Toll Free # 855-718-8027

**Cement Service ticket** 

D∕âte,	Customer #	Well Name & Number	Sec./Township/Range	County
6/18/15		RodeliFF #24	4/335/7E	Counter Co.
Customer	,	Mailing Address	City State	Zip
Lawco H.	Idings LLC	PO BOX 4/25	Benton Uille AR	72712

Job Type:			Truck #	Driver
Long String	Susing TO 32		231	Tom
Hole Size: 724	Casing Size: 5 12	Displacement: 74 88	240	Amos
Hole Depth:	Casing Weight: 15.5	Displacement PSI:	242	TROY
Bridge Plug:	Tubing:	Cement Left in Casing:	25	Pasarare
Packer:	PBTD:		24	Jae
Quantity Or Units	Description	Pump charge	950	
70	Mileage Heavy E	a.u.D	\$3.25/Mile	227,50
70	Light Equip		1.50	105 00
150 SK	( 60/40 Poz	Mix Lite consult 12846	12:00 SK	1800 00-
Zohb	5 Prem Gel G.	Yo Per 🖼 (		
300 20	5 Phene Seal 2	#Persk		
		Ť <sub>Ť .</sub>	· · · · · · · · · · · · · · · · · · ·	
17552	K Thickset cem	ent	18,60	325500
85044	Rol Seal 5ª	Her SK Thil Comut-	.55	467,50
300 he	b Pheno Seal 2ª	Per SK / 13,46 BR Gul	1,20	510,00
i	5th Float Shoe			2000-
8	5/2 Centralizor		80.00	6 40,00
100 21	100 LA Caustic Soda Mix with 12 BB-1 Water			16900
3 Gul		27.13 gal	81 39	
<u> </u>	Bulk Truck 2 TRACKS	Philmping the Pluy	\$1 <b>30</b> /Mile	1547.00
/	Plugs 5-2 Latch	0 . 01 / 257		332 50
<u>`</u>	ridgo of Latch	Down Plug and BIFFR	Subtotal	11044.89
		6.4%	Sales Tax	514 96
		@[	Estimated Tota	A
emarks: 1720Ked	not well and	Pump 20 Basal Pro	1. Fallowed	
12 BBAI MU	d Flush Follow	ind By in BRAL W	ten Shice	~,
Then Start Co	mant PUMD 1:	10 50 CAS OF 60/40	Like Foll	hived
By 175 Squ	cks OF thicks	of contrat . Sto	a and F	Flack.
Pump they	2 Rump Plug	To Bottom and Se	+ Flost S	Loe
Release PSZ	E and Flash	To Bottom and Se Pump OF F	Kocation	10130 P
		/ / /	m	
			$\sim$ $\sim$	



Ticket Number_	100572	
Location	Madison	
Foreman 7	Brad Butle	

Hurricane Services, Inc. 3613 A Y Road Madison, KS 66860 Office # 620-437-2661 Brad Cell # 620-437-6765

			<b>Cement Service</b>	ticket		1	
Date	Customer #		Well Name &	Number	Sec./Towns	ship/Range	County
6-12-15			Rodelin #2		4-33s		Cowley
<u>ustomer</u>			Mailing Address		City		Zip
	Halle 1		P.O. Box 42.	5	BenTowville.	Ar	72712
- AGWCL	Holdings, Li		·	<u></u>			Driver
ob Type:	Surf	ace Pipa	v			Truck #	Driver
	V	,			20 -11	201 202	Jerry Bryan
Hole Size: Hole Depth:	1244"	Casing Si		Displacement Displacement	: <u>19</u> Bbl.s		Diyan
Hole Depth:	32	Casing W	/eight: 2315.	Cement Left i		1	
Bridge Plug:			315, 25. 14-				
Packer:		PBTD:		ONLOCATION STANT Job			
0 111 0	un llaita	[	Description of			Pump charge	790.00
Quantity O						\$3.25/Mile	227.50
	70	Mileage	> 125 miles Spor	Madison, Ks	<u> </u>		t
	~	<u> </u>				14.85	2598.75
	75 SACKS	Ke	ultr cement Aclz 32				375,00
5	00 lbs.	Č	Acla 32			.75	
	50 1bs.	F	local			2.15	107.50
		-					
		<u> </u>					
							-
			۹.				
8.6	23 Tons	Bulk Tru	ick ar 70 miles			1.30	748.93
0.0					-	1.50	105.00
		1 1	milege				
		Plugs			ų	Subtotal	495268
					6.42	Sales Tax	197 20
				, 	6.12		otal 5/49,88
				-	$\frac{c}{c}$	Estimated To	<u>1 1 1 1 77, 88</u>
Remarks:	Rigue To 8	13/2'	ing Brack cfr	culation with	r Gresh WAT	Ter.	/
• •			- cement w/ 370 d	الحسب ا	ocale, Displ	acred cement	
Mixed		0	ose casing in n	2.96 GOOD CAN	NOT FETWAS "		
WATEr.	_ shut down	V - Ca	UST LEDING IN M	The point in			1

top	complete-	Tear dow,	1
	<u></u>		i

Thank You

Customer Signature

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