KOLAR Document ID: 1410080

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: Operator Name: License #: License #: Quarter Sec Twp S. R East West	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:

KOLAR Document ID: 1410080

#### Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [	East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool rature, fluid recovery,  Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name	)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€  Y€	es No						
			Repo		RECORD [	Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[	Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		туре а	ia Percent Additives	
Plug Off Z										
Did you perform     Does the volum     Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping  Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole				nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Chriestenson, Robert dba C & S Oil
Well Name	EDWARDS/WILLIAMSON 5
Doc ID	1410080

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	11.25	7	20	44	portland	14	na
Production	5.875	2.875	6.5	1050	class A		2% gel, 3% c.c

Mud Rotary Drilling Andrew King - Manager/Driller

Bar Drilling, LLC Phone: (719) 210-8806

1317 105th Rd. Yates Center, KS 66783

LAS II NI			-								
Well No.	Leas	e Name		Well Locati	on	1/4	1/4	1/4	Sec.	Twp.	DOD -
ပ	Edwards	/Williamson		.915 fsl, 473	5 fel	SE	× ×	Z X	ىد 	သ သ	161
Well API #	8	Type/Well		County		State	Total D	2	Onto Charles	7 7	
1	1 8	. )   0 0 1 0 0 1		County		State	l otal D	epth	Date Started	Date Co	mpleted
15-031-243	327	<u>Oi</u>		Coffey		SS	106	<u>-</u>	4/24/2018	4/26/	2018
			2					_			0
Surface Red	cord		DIC X	ecord				Co	ring Record		
		Type	Size	From	7	Core	-			_	0/ 000
Bit Size:	11 1/4	PDC	11 1/4	ō.	٥		+	- 1	$\dagger$	$\downarrow$	% Nec.
					5						
Casing Size:	8 5/8	PDC	5 7/8	43'	1065			_			
Casing Length:	44'							1			
Cement Used:	14SX		1					1			
Cement Type:	Portland						1	+			
							ŀ	-	-		
		P	P	Lease Name         Edwards/Williamson       Type/Well         327       Oil         Bit I         Cord       Type         11 1/4       PDC       11 1/4         8 5/8       PDC       5 7/8         44'       PDC       5 7/8         Portland       Portland       Portland	Lease Name         Edwards/Williamson       Type/Well         327       Oil         Bit I         Cord       Type         11 1/4       PDC       11 1/4         8 5/8       PDC       5 7/8         44'       PDC       5 7/8         Portland       Portland       Portland	Lease Name         W           Edwards/Williamson         491           Type/Well           327         Oil           Bit Rec           11 1/4         PDC         11 1/4           8 5/8         PDC         5 7/8           44'         PDC         5 7/8           14SX         PDC         5 7/8	Lease Name         Well Location         1/4           Edwards/Williamson         4915 fsl, 4735 fel         SE           Type/Well         County         State           327         Oil         Bit Record         KS           Bit Record         To         Core           11 1/4         PDC         11 1/4         0'         43'           8 5/8         PDC         5 7/8         43'         1065           44'         5 7/8         43'         1065           Portland         PDC         5 7/8         43'         43'	Lease Name         Well Location         1/4           Edwards/Williamson         4915 fsl, 4735 fel         SE           Type/Well         County         State           327         Oil         Bit Record         KS           Bit Record         To         Core           11 1/4         PDC         11 1/4         0'         43'           8 5/8         PDC         5 7/8         43'         1065           44'         5 7/8         43'         1065           Portland         PDC         5 7/8         43'         43'	Lease Name         Well Location         1/4           Edwards/Williamson         4915 fsl, 4735 fel         SE           Type/Well         County         State           327         Oil         Bit Record         KS           Bit Record         To         Core           11 1/4         PDC         11 1/4         0'         43'           8 5/8         PDC         5 7/8         43'         1065           44'         5 7/8         43'         1065           Portland         PDC         5 7/8         43'         43'	Lease Name         Well Location         1/4         1/4         1/4         Sec.           Edwards/Williamson         4915 fsl, 4735 fel         SE         NW         NW         3           Type/Well         Bit Record         Coffey         KS         Total Depth         Date Started           11 1/4         PDC         Size         From         To         Core #         Size         From         From           8 5/8         PDC         57/8         43'         1065         ST         From         From           14SX         PDC         57/8         43'         1065         ST         ST         From         ST           Portland         ST         ST	Lease Name         Well Location         1/4         1/4         1/4         Sec.         Twp.           Edwards/Williamson         4915 fsl, 4735 fel         SE         NW         NW         3         23           Scord         Type/Well         Egit Record         KS         1065         4/24/2018         Date Started         Date Started </td

	1007	994	992	959	956	948	926	922	910	904	898	881	874	839	805	619	312	235	180	25	0	From
	1065				959	956	948	926	922	910	904	898	881	874	839	805	619	312	235	180	25	То
	shale	oil sand	lilme	shale	lime	shale	lime	hard lime	soft lime	shale	overburden	Formation										
																						From
																						То
																						Formation
		7	ran nine s/n 990'																			From
			000'																		5	5
																					rormation	7



250 N. Water, Ste 200 - Wichita, Ks 67202

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## **HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer	C & S Oi	[			Customer Name:	Bob C.		Ticket No.:	I	CT 1	047
Address					Contractor			Date:	4/26/2018	-	
City, State, Zip:		4000			Job type	Longstring		Well Type:	Oil New		
Service District:	Garnett,	Ks			Well Details:	Sec		Twp:		R	
Well name & No.	Edwards	5			Well Location:	LeRoy	County:	Coffey	State:		Kansas
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	TRUCK CALLE	D			AM	TIME
265	Kevin					ARRIVED AT JO		(1000)		PM AM	
240	Nate					START OPERA			-	PM AM	
110	Chad									PM AM	
24	Jake H		<u> </u>			FINISH OPERA	IION			PM	
	Jake n					RELEASED				AM PM	
						MILES FROM S	TATION TO	WELL		-	

Heavy Equip. One Way   mi   35.00   \$3.25   \$113.75   \$3.00   \$3.20   \$1.50   \$5.50   \$3.00	Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross	7121 300	***************************************
Light Equip. One Way	c001	Heavy Equip, One Way				Amount		Net Amount
Minimum Ton Mile Charge   ea   1.00   \$300.00   \$300.00   \$220	c002							\$85.3
Cement Pump    ea   1.00    \$675.00    \$675.00    \$550	c004							\$39.38
cp006 Regular - Class A Cement Sack 130.00 \$16.25 \$2,112.50 \$1,56 cp016 Bentonite Gel Ib 245.00 \$0.30 \$73.50 \$367.00 \$277 Calcium - Chloride Ib 367.00 \$1.00 \$367.00 \$277 Cp027 Pheno Seal Ib 40.00 \$1.70 \$660.00 \$56 cp032 Mud Flush gal 400.00 \$1.00 \$300.00 \$860.00 \$367.00	c020							\$225.00
Section   Sect			ea	1.00	\$6/5.00	\$675.00		\$506.25
Depth   Dept	ср006	Regular - Class A Cement	sack	130.00	\$16.25	\$2,112,50		\$1,584.38
Calcium - Chloride	ср016	Bentonite Gel	lb	245.00				\$55.13
CP027   Pheno Seal	cp017	Calcium - Chloride	lb			-		\$275.25
cp032         Mud Flush         gal         400.00         \$1.00         \$400.00         \$8           cp046         Rubber Plug 2 7/8"         ea         2.00         \$30.00         \$60.00         \$4           1003         Vacuum Truck 80 bbl         Hour         3.00         \$90.00         \$270.00         \$27	cp027	Pheno Seal	lb					\$275.25
cp046         Rubber Plug 2 7/8"         ea         2.00         \$30.00         \$60.00         \$4           t003         Vacuum Truck 80 bbl         Hour         3.00         \$90.00         \$270.00         \$27           1	cp032	Mud Flush	gal	and the second second				\$80.00
110d 3.00 \$90.00 \$270.	cp046	Rubber Plug 2 7/8"						\$45.00
	1003	Vacuum Truck 80 bbl	Hour	3.00	\$90.00	\$270.00		\$270.00
AND THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF TH								
							grade of the state	
	SECTION OF		Sala Me					
[ERMS; Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale,					<b>建设建设</b>	CONTRACTOR	786 CD 1116	ACCES TO SECURITY OF

date of invoice. Past due accounts may pay interest on the balance past due at the rate of 1 ½½ per month or the maximum allowable by applicable state or federal laws if such laws limit interest to a lesser amount, in the event it is necessary to employ an agency and/or attorney to affect the collection of said account, Customer hereby agrees to pay all fees directly or indirectly incurred for excit collection, in the event that Customer's account with 15 becomes definiquent, HSI has the right to revoke any and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Discount rate is based on 30 days net payment terms or cash.

DISCLAIMER NOTICE:

these services. Discount rate is based on 30 days net payment terms or cash. 
DISCLAIMER NOTICE:

This technical data is presented in good faith, but no warranty is given by and H.S.I assumes no 
liability for advice or recommendations made concerning results to be obtained from the use of any 
product or service. The information presented is HSI best estimate of the actual results that may be 
achieved and should be used for comparison purposes and make no guarantee of future 
production performance. Customer warrants that well and all associated equipment in acceptable 
condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care 
of all customer owned production and associated equipment, while H.S.I. is on location performing 
services which could adversely affect the performance of such services. 
Authorization below acknowledges receipt and acceptance of all terms and conditions stated 
above.

CUSTOMER AUTHORIZED AGENT

		Gross:	\$ 4,492.25	Net:	# # 1000 (100 (100 )	\$3,216.69
Total Taxable	\$	-	Tax Rate:			> <
Frac and Acid service treatments de increase production on newly drilled				Sale Tax:	\$	
not taxable.				Total:	\$	3,216.69
Date of Service:	20		4/2	26/2018		

Jake Heard HSI Representative: Customer Comments:



# **HURRICANE SERVICES INC**

Customer	C & S Oil				Date	4/26/2018	T	Ticket No.:	ICT	1047
Field Rep	Bob C.				1		_	IICKEL NO.:	101	1047
Address:										
City, State:		-24			-					
					-					
County, Zip:										
e	eld Order No.:			7			-		, T. C.	
	Well Name:	Educa	rds 5	-	Open Hole:	0.0.0 1000	]	Perf De	pths (ft)	Perfs
	Location:	Lero		-	Casing Depth:		1			
	Formation:	Leio	y, res	-	Casing Size:		1			
Ty	pe of Service:	Longs	string		Tubing Depth: Tubing Size:					
	Well Type:	0		1	Liner Depth:		-			
	Age of Well:	Ne		-	Liner Size:		-			
	Packer Type:				Liner Top:		-			
	Packer Depth:				Liner Bottom:		-		1	
	reatment Via:	Tub	lng		Total Depth:		-			
				l	333 2 <b>0p</b> till		J			
									Total Perfs	0
TIME	INJECTIO			SURE				PROP	HCL	FLUID
TIME	FLUID	N2/CO2	STP	ANNULUS		REMARKS		(lbs)	(gls)	(bbls)
						ety meeting. Spot in and rig up				
	3.0		300.0		Hook up to tubir		•			
	3.0		200.0		Break circulatio					3.00
	3.0		200.0		Mix and pump N					5.00
1155	3.0	VII. A WILL	200.0		Mix and pump d					5.00
			200.0		Mix and pump c	ement		<del> </del>		32.94
						lines and drop plug		<del> </del>		
	3.0		200.0		Displace	illies and drop plug		-		
	3.0		1,500.0		Bump plug			1		6.07
			.,,			e and shut in well				
				Value 1000	Top off well	o and one in weit				404
					Wash up and rig	down				1.31
							artist 1			
							TOTAL:			53.32
		SUMM	IARY			PRODUCTS USED				
	Max Fl. Rate	Avg Fl. Rate	Max PSI	Avg PSI	- [	FRODUCTS USED				
L	3.0	3.0	1,500.0	433.3	]					
						130 sacks Class A 2% gel 3	8% C C 25 IL	lok Dhanna		
						. 55 Saons Glass A 276 gel C	70 U.U20 ID	isk mienoseal		
		FX 587								
Treater:	Take H	teard						Customer:	Boh	
1								ousioniel.	500	