Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1091047

Form ACO-1 August 2013 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. 15
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.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
	Field Name:
New Well Re-Entry Workover	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
	Abd. Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	
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 ENHR Conv. to	SWD Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to I	Producer (Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
ENHR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date Recompletion Date Recompletion Date Recompletion Date	

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
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1091047
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS, Chow important tang of formations populated	Datail all coros Report all f	inal conject of drill stome taste giving interval tasted, 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 Taken (Attach Additional Shi	e etc)	Yes No	L	og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	,	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c			on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQL	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	Did you perform a hydraulic fracturing treatment on this well?						
	Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes (If No, skip question 3)						
Was the hydraulic fracturing	is the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes (If No, fill out Page Three of the ACO-1)						

Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record I of Material Used)	Depth	
TUBING RECORD:	Siz	e:	Set At:		Packe	r At:	Liner F		No	
Date of First, Resumed	I Producti	on, SWD or ENHF	۲.	Producing Me	thod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
		10								
			METHOD	OF COMPLE	_		PRODUCTION INTER	IVAL:		
Vented Solo		Jsed on Lease -18.)		Other <i>(Specify)</i> _		(Submit /	ACO-5)	(Submit ACO-4)		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

TICKET NUMBER	3	<u>(48</u> 4
LOCATION oftow a		

Made

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

CONSOLIDATED OII Well Services, LLC

		FOREMAN_	Fred Mader
FIELD TICKET &	TREATMENT	REPORT	

С	Ε	М	Ε	N	Т

DATE	CUSTOMER #	WEL	L NAME & NUM	BER	SECTI	ON	TOWNSHIP	RANGE	COUNTY
7/12	7806	w;+1m	an # 4-7	r	SE	16	20	20	AN
CUSTOMER				[ANT ALL -	- 7 4		ANAME AND	
- Tai	1 water -	Inc		4	TRUC	< #	DRIVER	TRUCK #	DRIVER
MAILING ADDR					1504		Fremad	Satet	mite
6421	Avonda	<u>4 1</u>	1	_	-368		ArlMcD	ARM	0
CITY		STATE	ZIP CODE		370	>	Jas Ric	JR	
OK/a ho	ma City	OIL	73:16		510	>	BreMan	BM	1
JOB TYPE	ongstring	HOLE SIZE	5718	HOLE DEPTH	77070	F	CASING SIZE & W	EIGHT 275	EUE
CASING DEPTH	H_ 7 26 . 0	ORILL PIPE	· · · · · · · · · · · · · · · · · · ·	_TUBING				OTHER	
SLURRY WEIG	нт	SLURRY VOL		WATER gal/s	k		CEMENT LEFT in	CASING 25	Plue
	н <u> </u>		IT PSI	MIX PSI			RATE - 4 8 P1		0
REMARKS:	REMARKS: Establish pump rate Mixe Pump 100# Gel Flush. Mixe Pump								
97	97 sks 50/50 Por 2% Cul. Commit to surface. Flush pumpt lines								
clean. Displace 212" rubber Plus to caring TD. Pressure to 200#									
Clean. Displace 2/2" rubber Plus to casing TD. Prossure to 200# PSI. Release pressure to Set Float Value. Shot in Casing									
									1

Evans Every Dev. Inc.

vin 3737	Hutur	TITLE			2654 72
· · · · · · · · · · · · · · · · · · ·			7.8%	SALES TAX	8934
				C	
				2 N.	
				X	
			<u></u>		R.
				1	······································
		Ø			
4402	l	So/so Por mix Cement Premium Col 2/2" Rubber Plug			2800
11180	263#	Premione Gel		ļ	<u> </u>
II D Y	97 sks	50/50 Por mix Cement			1062'5
			· ·		15
55020					. <u> </u>
5407	1/2 hr	80 BBL Vac Truck	370		13500
5402	2 Minimun	Casing Footage Ton Miles	510		175=0
5406	770				NIC
5401	Zomi	MILEAGE	<u> </u>	1	5000
CODE	1	PUMP CHARGE	368		1030
ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRO	DUCT	UNIT PRICE	TOTAL

cknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's count records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

251550



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

WELL LOG Tailwater, Inc. Wittman #4-T DIG API#15-003-25,325 July 20 - July 23, 2012

Thickness of Strata	Formation	<u>Total</u>
13	soil & clay	13
89	shale	102
32	lime	134
23	shale	157
9	lime	166
36	shale	202
2	lime	204
4	shale	208
3	lime	211
12	shale	223
29	lime	252
5	shale	257
2	coal	259
25	lime	284
4	shale	288
2	lime	290
3	shale	293
13	lime	306 base of the Kansas City
166	shale	472
4	lime	476
6	shale	482
7	lime	489 bleeding
13	shale	502
10	sand	512
15	shale	527
6	oil sand	533 slight odor, no bleeding
2	shale	535
1	coal	536
5	shale	541
13	lime	554
11	shale	565
4	lime 🕔	569
18	shale	587
2	lime	589
54	shale	643
4	sand	647 gray, no oil
31	shale	678
1	broken sand	679
8	oil sand	687 good bleeding, odor

Wittman #4-T

Page 2

2	broken sand
34	sandy shale
47	broken sand

689 723 770 no odor, no oil show 770 TD

Drilled a 9 7/8" hole to 22' Drilled a 5 5/8" hole to 770'

Set 22' of 7" surface casing cemented with 6 sacks of cement.

Set 759' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

September 13, 2012

Christian L. Martin Tailwater, Inc. 6421 AVONDALE DR STE 212 OKLAHOMA CITY, OK 73116-6428

Re: ACO1 API 15-003-25325-00-00 Wittman 4-T SE/4 Sec.16-20S-20E Anderson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Christian L. Martin