

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1079823

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:	SecTwpS. R 🗌 East 🗌 West
Address 2:	Feet from
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:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):  If Workover/Re-entry: Old Well Info as follows:	Producing Formation:  Elevation: Ground: Kelly Bushing: Feet  Total Vertical Depth: Plug Back Total Depth: Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name: Original Total Depth: Original Total Depth:	feet depth to: w/ sx cmt.  Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:  Dual Completion Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec.         TwpS. R East West           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				
Geologist Report Received				
UIC Distribution				
ALT I II III Approved by: Date:				

Page Two



Operator Name:			L	ease Name: _			Well #:	
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(	CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
Plug Off Zone								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		RACT!!		TIONI		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS:  Used on Lease	Open Ho		IOD OF COMPLE $\Box$		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	WHITESIDE 4-T
Doc ID	1079823

## Tops

Name	Тор	Datum
268	lime	base of the KC
453	shale	oil show
488	oil sand	green, good bleeding
510	II	II
630	broken sand	brown & green, ok bleeding
671	oil sand	brown, good bleeding
682	sand	black, no oil show
724	oil sand	brown, good bleeding, gassy
737	broken sand	brown & grey, good bleeding
754	oil sand	brown, good bleeding
774	oil sand	brown, good bleeding
832	sand	white, no oil show



TICKET NUMBER	36607
LOCATION D+7	que
FOREMAN_ 210	un Made

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

# FIELD TICKET & TREATMENT REPORT CEMENT

COLUMN EVERY ON STATE ZIP CODE STATE ZIP CODE STATE ZIP CODE DISCHARGE TOTAL STATE ZIP CODE STAT	DATE	CUSTOMER#	WELL	NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
COUNT CODE QUANITY or UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL CODE CASING DEPCH OF THE CASING DEPCH OF THE CODE CASING DEPCH OF	4-12-12	7806	whites	ide 4.		10	20	20	DU
MARLING ADDRESS  6721 Avondale  CITY STATE ZIPCODE  OKlahomo City OK 73/16  JOB TYPE 10 1955 Hinghole size 5 778  HOLE DEPTH 832 CASING SIZE & WEIGHT Q 28  CASING DEPTH 822 DRILL PIPE TUBING OTHER  SLURRY WEIGHT SLURRY VOL WATER GAILSK CEMENT LEFT IN EASING YES  DISPLACEMENT 4.8 DISPLACEMENT PSI BOD MIX PSI ADD RATE 450M  REMARKS: He decrew neet Established rate. Mixed a pumped left in State of PRODUCT UNIT PRICE TOTA  CASSING DEPTH 832 CASING SIZE & WEIGHT Q 28  CASING DEPTH 832 CASING SIZE & WEIGHT Q 28  WATER GAILOR OF RATE 4/20  MIX PSI ADD RATE 4/20  RATE 4/20  PUMP CHARGE PUMP FUMPED PUMP PUMP CHARGE  STOLOUT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  STOLOUT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRO		1 wato			17	地域の東京を計画家	DDIVED		DDIVED
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GITY  DKIGHOMO C; ty  OK  73/16  JOB TYPE  JOB TYPE  JOB TYPE  JOB TYPE  JOB TYPE  AND THE MENT OF THE STATE  CASING DEPTH 832  CASING SIZE & WEIGHT  AT SURRY VOL  WATER gal/sk  CEMENT LEFT IN EASING  YES  DISPLACEMENT PSI BOD MIX PSI  BOD RATE 4 bom  REMARKS: He d crew next. E5tablished rate. Mixed to pumped to the control of the con		1	٠.			368	7	GM	VIEC
DISPLACEMENT 4.8 DISPLACEMENT PSI BOD MIX PSI BOD RATE 4 DUMPED 10 AS 15 DISPLACEMENT 1.5 DISPLACEMENT PSI BOD MIX PSI BOD RATE 4 DUMPED 12 REMARKS: Held crew meet. Established rate. Mixed to pumped 2 Fire what I come for the strict of the		, o o coco		ZIP CODE		370	Keitna	K (	
JOB TYPE 16 ns (5 Ming Hole Size 3 778 HOLE DEPTH 832 CASING SIZE & WEIGHT Q 78 CASING DEPTH 832 DRILL PIPE TUBING OTHER SLURRY VOL WATER GAINSK CEMENT LEFT IN GASING Y 85 RILL RY WEIGHT SLURRY VOL WATER GAINSK CEMENT LEFT IN GASING Y 85 DISPLACEMENT 4.8 DISPLACEMENT PSI BOD MIX PSI BOD RATE WISH PUMPED & CEMENT LEFT IN GASING Y 85 REMARKS: Held crew meet E5 tables for a text of the control of	DKIahow	ia City	015	73/16		548	Mike It	MH	
CASING DEPTH 822 DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY VOL WATER gall'SK CEMENT LEFT IN GASING YES DISPLACEMENT 4.8 DISPLACEMENT PSI BOD MIX PSI BOD RATE 4 bpm  REMARKS: Held crew meet, Established rate. Mixed of pumped be age followed by 111 sk 50 150 cement flas 250 get Fire water of cement. Flushed pump. Pumped plas colored  Casing TD, Well held 800 PST. Set float, Closed colored  Events Energy, Ivavis  Account code quantity or units DESCRIPTION of SERVICES or PRODUCT Unit PRICE TOTA  5401 1 PUMP CHARGE 1030  5402 822 casing footage  3407 1/2 Milleage 1030  5707 1/2 Milleage 1030  5707 1/2 Milleage 1030  1124 50 150 Dement 1036	JOB TYPE 1	ongsthing	HOLE SIZE		OLE DEPTH_	832	CASING SIZE & V	VEIGHT Q	18
DISPLACEMENT 4.6 DISPLACEMENT PSI 600 MIX PSI 000 RATE 4 bom  REMARKS: Held crew neet, Established rate. Mixed + pumped 2  gel followed by 111 SK 50/50 cement plus 200 gel  Pirculated cement. Flushed pump. Pumped plus  Casing TD. Well held 800 PST. Set flogt, Closed  colver  Evens Energy Ivavis  Account QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTA  540/ 1 PUMP CHARGE 1000  540/ 35 MILEAGE 1000  540/ 12 80 Vac 1035  1124 111 50/50 cement 1235		800 V		TU	IBING				
REMARKS: Held crew neet. Established rate. Mixed + pumped le gel followed by 111 ck 50,150 cement plus 200 gel Pirculated cement. Flushed pump. Pumped plus Casing TD. Well held 800 PST. Set Plbat, Closed colver  Event Energy, Ivavis  Account code Quantity or units Description of Services or PRODUCT Unit PRICE TOTA 5401 1 PUMP CHARGE 1000-5402 1000-5402 1000-5508C 12 822 casing Lootage 1000-5508C 12 80 vac	SLURRY WEIGH	T	SLURRY VOL	WA	ATER gal/sk		CEMENT LEFT in	GASING	25
account code as III sk 50 150 cement plus 250 get sirculated cement. Flushed pump. Pumped plus casing TD. Well held 800 PST. Set float. Closed color.  Events Energy Ivan's  Account code quanity or units description of services or product unit price total film.  5401 1 Pump charge 1000- 5401 25 Mileage 1000- 5407 1/2 Mil	DISPLACEMENT	4.8	DISPLACEMENT	PSI_600 MD	X PSI	200	RATE 4 by	m	
Firculated coment. Flushed pump. flumped plus Casing TD. Well held 800 PST. Set flood, Closed colser  Evans Enersy, Ivavis  Account code quantry or units description of services or product unit price tota 5401 pump charge 5402 822 casing footage 5407 1/2 min touniles 55020 1/2 80 vac  1124 111 50/50 cement 1255	REMARKS: H	ed creu	meet.	Esta b	1:5he	2 rate.	Nixed	+ pump	ed 1003
Casing TD. Well held 800 PST. Set float, Closed color.  Evens Energy Ivan's  Account code quanity or units description of services or product unit price total floor flo	apl fo	llowed:	11/ c	SK 50 15	Oce	ment	1/45 2	20 gel	
EVENTS EXPERSY, IVavis  ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTA  5401   PUMP CHARGE   1030  5402   822   Casing Lootage   100-  5407   Va min thumles   170  55020   12   80 vac   133  1124   111   50/50 Dement   125	Pirce	vlated (	enent	Flust	hed.	pump.	Pump	od pla	15 to
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SALES TAX LO 6.6							78	SALES TAX	106.67
Ravin 3737  ESTIMATED	Ravin 3737			2491	27			ESTIMATED	2011
AUTHORIZTIONTOTAL 2845	ΔΙΙΤΗΩΡΙΖΤΙΩΝ	The		TIT	TIF .				2840.18
acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's		7	and downer and to		-				

account records, at our office, and conditions of service on the back of this form are in effect for services identified on this for

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

May 18, 2012

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

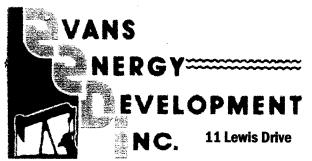
Re: ACO1 API 15-003-25415-00-00 WHITESIDE 4-T SW/4 Sec.22-20S-20E Anderson County, Kansas

#### **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, Chris Martin



# Oil & Gas Well Drilling Water Wells Geo-Loop Installation

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

Paola, KS 66071

**WELL LOG** 

Tailwater, Inc. Whiteside #4-T API#15-003-25,415

April 10 - April 11, 2012

Thickness of Strata	<u>Formation</u>	<u>Total</u>
12	soil & clay	12
2	clay & gravel	14
53	shale	67
28	lime	95
18	shale	113
3	lime	116
26	shale	142
10	lime	152
36	shale	188
21	lime	209
8	shale	217
27	lime	244
3	shale	247
21	lime	268 base of the Kansas City
30	shale	298
6	sand	304
143	shale	447
4	lime	451
2	shale	453 oil show
15	lime	468
10	shale	478
10	oil sand	488 green, good bleeding
1	shale	489
1	coal	490
1	shale	491
19 .	oil sand	510 green, good bleeding
4	shale	514
1	coal	515
4	shale 	519
4	lime	523
18	shale	541
7	lime	548
16	shale	564
7	lime	571
53	shale	624
6	broken sand	630 brown & green sand, ok bleeding
33	shale	663
1_	lime & shells	664
7	oil sand	671 brown, good bleeding
7	silty shale	678

Whiteside #4-T		Page 2
4	sand	682 black, no oil show
38	shale	720
4	oil sand	724 brown, good bleeding, gassy
8	broken sand	732 brown & grey sand, good bleeding
3	silty shale	735
2	broken sand	737 brown & grey, good bleeding
2	silty shale	739
3	broken sand	742 brown & grey, good bleeding
8	oil sand	750 brown, good bleeding
1	silty shale	751
3	oil sand	754 brown, good bleeding
5	silty shale	759
1	broken sand	760 brown & grey sand, good bleeding
4	oil sand	764 black, heavy, ok bleeding
10	oil sand	774 brown, good bleeding
4	silty shale	778
2	sand	780 white, no oil show
7	silty shale	787
24	sand	811 grey, no oil show
12	shale	<b>82</b> 3
9	sand	832 white, no oil show 832 TD

Drilled a 9 7/8" hole to 23.4' Drilled a 5 5/8" hole to 832'

Set 23.4' of 7" surface casing cemented with 5 sacks of cement.

Set 822.4' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.