Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1305801

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 North / South Line of Section
City: State	e: 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)
		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Er	ntry 🗌 Workover	Field Name:
		Producing Formation:
	SWD SIOW	Elevation: Ground: Kelly Bushing:
Gas D&A		Total Vertical Depth: Plug Back Total Depth:
	GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	- / / \	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, E		
If Workover/Re-entry: Old Well Info a	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 Producer	(Data must be collected from the Reserve Pit)
		Chloride content: ppm Fluid volume: bbls
•	Permit #:	Dewatering method used:
	Permit #: Permit #:	Location of fluid diagonal if bould officia:
	Permit #:	Location of fluid disposal if hauled offsite:
	Permit #:	Operator Name:
		Lease Name: License #:
Spud Date or Date Reach	ed TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date	Recompletion Date	Countv: 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:					

## CORRECTION #1

1305801

Operator Name:				Lease Name:	Well #:	
Sec	Twp	S. R	East West	County:		

**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 Take		Yes No	L	.og Formatic	on (Top), Depth and	d Datum	Sample
(Attach Additional Sheets) Samples Sent to Geological Survey		Yes No	Nam Nam			Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		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 fracturing treatment on this well?				Yes		o questions 2 ar	nd 3)
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 Was the hydraulic fracturing treatment information submitted to the chemical disclosure rec						o question 3)	
was the hydraulic fractu	ring treatment informatio	on submitted to the chemical of	disclosure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Perf		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			d Depth

TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner Ru	n:	No	
Date of First, Resumed Production, SWD or ENHR.			<b>}</b> .	Producing M	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:				METHOD OF COMPLETION:			PRODUCTION INTERVAL:			
Vented Sold Used on Lease			Open Hole Perf. Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)			Commingled (Submit ACO-4)				
(If vented, Submit ACO-18.)				Other (Specify)	ner (Specify)					

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

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	South Kempnich 14-IWL
Doc ID	1305801

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.8750	7	17	23	Portland	5	POZ
Production	5.6250	2.8750	6.45	823	Portland	126	50/50 POZ

## Summary of Changes

Lease Name and Number: South Kempnich 14-IWL API/Permit #: 15-003-26280-00-00 Doc ID: 1305801 Correction Number: 1 Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	03/16/2015	05/05/2016
CasingAdd_Type_PctP DF_1		POZ
Perf_Depth_1		726.5'
Perf_Depth_2		786.5'
Perf_Material_1		8 Shots
Perf_Material_2		16 Shots
Perf_Record_1		722.5'-726.5'
Perf_Record_2		778.5'-786.5'
Perf_Shots_1		2

# Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Perf_Shots_2		2
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=12 45854	//kcc/detail/operatorE ditDetail.cfm?docID=13 05801