Confidentiality Requested:

CORRECTION #1

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1295064

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:	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
Wellsite Geologist:		
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Entry	Workover	Field Name:
		Producing Formation:
	WD SIOW	Elevation: Ground: Kelly Bushing:
	SW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., e	etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as foll		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: Or	iginal Total Depth:	
Deepening Re-perf. Co	onv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Co	nv. to GSW	(Data must be collected from the Reserve Pit)
Commingled Permit	t #:	Chloride content: ppm Fluid volume: bbls
	t #:	Dewatering method used:
	t #:	Location of fluid disposal if hauled offsite:
	t #:	
	t #:	Operator Name:
		Lease Name: License #:
Spud Date or Date Reached TD	Completion Date or	Quarter Sec TwpS. R East West
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			
Geologist Report Received			
UIC Distribution			
ALT I II III Approved by: Date:			

# CORRECTION #1

1295064

Operator Name:				Lease Name:	Well #:
Sec	Twp.	S. R.	East West	County:	
	I <sup>-</sup>				

**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 Taker		Yes No	L	og Formatio	on (Top), Depth an	d Datum	Sample
·	(Attach Additional Sheets) ples Sent to Geological Survey		Nam	e		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		ion, 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	EEZE RECORD		<u> </u>	<u> </u>
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic fracturing treatment on this well? Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,00			ceed 350,000 gallons'	Yes [		o questions 2 an o question 3)	ad 3)
Was the hydraulic fracturing treatment information submitted to the chemical disclosure reg			disclosure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				cture, Shot, Cement mount and Kind of Mat		d Depth

TUBING RECORD: Siz	ze:	Set At:		Packer	At:	Liner R		No	
Date of First, Resumed Product	ion, SWD or ENHR	ł.	Producing Me	ethod:	ping	Gas Lift	Other (Explain	n)	
Estimated Production Per 24 Hours	Oil Bbl	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF C	Used on Lease		Dpen Hole Dther <i>(Specify)</i>	Perf.	(Submit A	Comp. <i>ICO-5)</i>	Commingled (Submit ACO-4)	PRODUCTION I	NTERVAL:

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 14-IWU
Doc ID	1295064

# 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	724	Portland	99	50/50 POZ

## Summary of Changes

Lease Name and Number: North Kempnich 14-IWU API/Permit #: 15-003-26238-00-00 Doc ID: 1295064 Correction Number: 1 Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	11/03/2014	03/08/2016
CasingAdd_Type_PctP DF_1		POZ
CasingPurposeOfString PDF_2	Completion	Production
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=12 30493	//kcc/detail/operatorE ditDetail.cfm?docID=12 95064
Well Type	EOR	OIL



KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1230493

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

ONFIDENTI ΔI

Confidentiality Requested:

Yes No

## 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: 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.xxxx) (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:
OG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No
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 Producer	(Data must be collected from the Reserve Pit)
Description Description	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:      Dual Completion Permit #:	Dewatering method used:
	Leastion of fluid dispaced if housed effects.
SWD         Permit #:           ENHR         Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Constant Pate Pagehod TD	Quarter Sec TwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date: