Confidentiality Requested:

CORRECTION #3

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1306429

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.xxxx) (e.gxxx.xxxx)		
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84		
Purchaser:		County:		
Designate Type of Completion:		Lease Name: Well #:		
New Well Re-Entry	Workover	Field Name:		
		Producing Formation:		
		Elevation: Ground: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth:		
G G G G G	SW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., e	tc):	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				
	onv. to ENHR Conv. to SWD	Duilling Fluid Management Dian		
	nv. to GSW	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
	ь <i>и.</i>	Chloride content: ppm Fluid volume: bbls		
	t #:	Dewatering method used:		
	t #:	Location of fluid disposal if hauled offsite:		
	t #:	Location of huld disposal if hadied offsite.		
	t #:	Operator Name:		
	•	Lease Name: License #:		
Spud Date or Date Reached TD	Completion Date or	Quarter Sec Twp S. 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 #3

1306429

Operator Nar	ne:			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 Taker		Yes No		Log Forma	ation (Top), Depth an	d Datum	Sample
(Attach Additional Samples Sent to Geo	,	Yes No	٦	lame		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	RECORD	New Used , intermediate, produ	uction, 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 /	SQUEEZE RECOF	RD		
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used	1	Type and P	ercent Additives	
Plug Back TD Plug Off Zone							
	ulic fracturing treatment c total base fluid of the hydr	n this well? raulic fracturing treatment ex	ceed 350,000 gal	Ons? Yes		p questions 2 an p question 3)	ad 3)
Was the hydraulic fractu	ring treatment informatior	n submitted to the chemical of	disclosure registry	? Yes	No (If No, fill	out Page Three	of the ACO-1)
Shots Per Foot		ON RECORD - Bridge Plug Footage of Each Interval Perf			Fracture, Shot, Cement (Amount and Kind of Ma		d Depth

TUBING RECORD: Si	ze:	Set At:	Packer A	At: Li	ner Run:	No	
Date of First, Resumed Product	tion, SWD or ENHR.	Producing M	ethod:	ng 🗌 Gas	s Lift Other (Exp	lain)	
Estimated Production Per 24 Hours	Oil Bbls	. Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
۰ ۰			· ·				

Liner Bun

TUBING RECORD.

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)	
(If vented, Submit ACO-18.)	Other (Specify)	

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 9-IWU
Doc ID	1306429

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	
Completio n	5.6250	2.8750	6.45	674	Portland	86	50/50 POZ

Summary of Changes

Lease Name and Number: North Kempnich 9-IWU API/Permit #: 15-003-26233-00-00 Doc ID: 1306429 Correction Number: 3 Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	05/05/2016	05/12/2016
Perf_Depth_1		655'
Perf_Material_1		Shot
Perf_Record_1		649'-655
Perf_Shots_1		2
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=13 05770	//kcc/detail/operatorE ditDetail.cfm?docID=13 06429

CORRECTION #2

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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1305770

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

CONFIDENTIAL	WELL COMPLETION FORM
	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.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
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)
Described and Describe	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposal in hadred offsite.
GSW Permit #:	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

Confidentiality Requested:

Yes No

KCC Office Use ONLY
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Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1230277

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

CONFIDENTIAL 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.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
G 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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Leastion of fluid diapopal if hould offeite:
ENHR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Soud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	County: Permit #:

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Yes No

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Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1229782

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

CONFIDENTIAL 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.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd. CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
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)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
	Location of fluid disposal if hauled offsite:
ENHR Permit #: GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East _ West
Recompletion Date or Bate Reached TD Completion Date or Recompletion Date	County: Permit #:

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