Confidentiality Requested:

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1309142

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 #:
New Well Re-Entry	Workover	Field Name:
		Producing Formation:
	SIOW	Elevation: Ground: Kelly Bushing:
	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., 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 E	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
		Dewatering method used:
		Location of fluid disposal if hauled offsite:
		Operator Name:
		Lease Name: License #:
Spud Date or Date Reached TD Co	ompletion Date or	Quarter Sec TwpS. R East West
	ecompletion 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 #2

1309142

Operator Nar	me:			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 ar	nd Datum	Sample
(Attach Additional Samples Sent to Geo		Yes No	N	ame		Тор	Datum
Cores Taken Electric Log Run		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 / S	QUEEZE RECOF	RD		
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
	otal base fluid of the hyd	on this well? raulic fracturing treatment ex n submitted to the chemical			No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated		Acid, F	Fracture, Shot, Cement (Amount and Kind of Ma		d Depth	

Pumping Gas Lift Other (Explain) Flowing Estimated Production Water Oil Bbls. Gas Mcf Bbls. Gas-Oil Ratio Gravity Per 24 Hours **DISPOSITION OF GAS:** METHOD OF COMPLETION: PRODUCTION INTERVAL: Open Hole Perf. Dually Comp. Commingled Vented Sold Used on Lease (Submit ACO-5) (Submit ACO-4) (If vented, Submit ACO-18.) Other (Specify)

Packer At:

Producing Method:

Liner Run:

No

Yes

TUBING RECORD:

Size:

Date of First, Resumed Production, SWD or ENHR.

Set At:

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 21-IWU
Doc ID	1309142

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	647	Portland	92	50/50 POZ

Summary of Changes

Lease Name and Number: North Kempnich 21-IWU API/Permit #: 15-003-26247-00-00 Doc ID: 1309142 Correction Number: 2 Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved Date	04/20/2016	06/14/2016
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=13	//kcc/detail/operatorE ditDetail.cfm?docID=13
Tubing Set At	04531 647	09142
Tubing Size	2.8750	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1304531

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WELL COMPLETION FORM

res no	OIL & CAS CONSERVATION DIVISION
CONFIDENTIAL	
WELL	HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15
Name:		Spot Description:
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Name:		Datum: NAD27 NAD83 WGS84
Wellsite Geologist:		County:
Purchaser:		Lease Name: Well #:
Designate Type of Completion:		Field Name:
New Well Re-Ent	try Workover	Producing Formation:
Oil WSW	SWD SIOW	Elevation: Ground: Kelly Bushing:
Gas D&A	ENHR SIGW	
OG	GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
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Plug Back	Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled	ermit #:	Chloride content: ppm Fluid volume: bbls
	ermit #:	Dewatering method used:
	ermit #:	Location of fluid disposal if hauled offsite:
	ermit #:	
GSW P	ermit #:	Operator Name:
		Lease Name: License #:
Spud Date or Date Reache		Quarter Sec TwpS. R East West
Recompletion Date	Recompletion Date	County: Permit #:

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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.

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Yes No

KCC Office Use ONLY		
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N 1230509

Confidentiality Requested:

CONFIDENTIAL

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

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Form ACO-1

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