CORRECTION #1

Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1206017

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 # 32461
Name: Tailwater, Inc.
Address 1: 6421 AVONDALE DR STE 212
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73116 + 6428
Contact Person: Christian L. Martin
Phone: (405) 810-0900
CONTRACTOR: License # 8509
Name: Evans Energy Development, Inc.
Wellsite Geologist: n/a
Purchaser: Pacer Energy

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ 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:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

08/20/2013	08/21/2013	08/21/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-003-25948-00-00
Spot Description:
SE - SE - NE - NW Sec. 22 Twp. 20 S. R. 20 ☑ East ☐ West
4262 Feet from ☐ North / ☑ South Line of Section
2843 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Anderson
Lease Name: Kempnich Well #: 49-T
Field Name: Garnett Shoestring
Producing Formation: Squirrel
Elevation: Ground: 951 Kelly Bushing: 0
Total Vertical Depth: 900 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 23 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 887 w/ 106 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. 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: 09/11/2013
☑ **Confidential Release Date:** 09/11/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 05/20/2014

CORRECTION #1
Page Two

1206017

Operator Name: Tailwater, Inc. Lease Name: Kempnich Well #: 49-T

Sec. 22 Twp. 20 S. R. 20 ☑ East ☐ West County: Anderson

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 Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Gamma Ray/Neutron

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
237	lime	light show
304	sand	green (gassy)
457	lime	oil show
654	oil sand	brown sand, good bleedi
763	sand	brown, no oil
785	oil sand	light odor
830	sand	white, making water

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, 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
surface	9.8750	7	17	23	Portland	6	
completion	5.6250	2.8750	6.45	887	Portland	106	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
2	649' - 659' (21 shots)	75 gal 15% HCL acid; 40 sx sand;	659'
		150 BBLS H2O	

TUBING RECORD: Size: 2.8750 Set At: 887 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 11/19/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10				

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

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

Summary of Changes

Lease Name and Number: Kempnich 49-T

API/Permit #: 15-003-25948-00-00

Doc ID: 1206017

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	09/12/2013	05/20/2014
Date of First or Resumed Production or SWD or Enhr		11/19/2013
Electric Log Run?	No	Yes
Elogs_PDF		Gamma Ray/Neutron
Fracturing Question 1		No
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=22&t	https://kolar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=22&t
Method Of Completion - Perf	No	Yes
Perf_Depth_1		659'
Perf_Material_1		75 gal 15% HCL acid; 40 sx sand;
Perf_Material_2		150 BBLS H2O

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Perf_Record_1		649' - 659' (21 shots)
Perf_Shots_1		2
Producing Method Pumping	No	Yes
Production - Barrels Oil		10
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1158063	../../kcc/detail/operatorEditDetail.cfm?docID=1206017

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1158063

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 32461
Name: Tailwater, Inc.
Address 1: 6421 AVONDALE DR STE 212
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73116 + 6428
Contact Person: Christian L. Martin
Phone: (405) 810-0900
CONTRACTOR: License # 8509
Name: Evans Energy Development, Inc.
Wellsite Geologist: n/a
Purchaser: Pacer Energy

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

08/20/2013	08/21/2013	08/21/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-003-25948-00-00
Spot Description:
SE - SE - NE - NW Sec. 22 Twp. 20 S. R. 20 [x] East [ ] West
4262 Feet from [ ] North / [x] South Line of Section
2843 Feet from [x] East / [ ] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Anderson
Lease Name: Kempnich Well #: 49-T
Field Name: Garnett Shoestring
Producing Formation: Squirrel
Elevation: Ground: 951 Kelly Bushing: 0
Total Depth: 900 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 23 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 887 w/ 106 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. 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

- [x] **Letter of Confidentiality Received**
  Date: 09/11/2013
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 09/12/2013

Operator Name: Tailwater, Inc. Lease Name: Kempnich Well #: 49-T

Sec. 22 Twp. 20 S. R. 20 ☑ East ☐ West County: Anderson

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 Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☐ Yes	☐ No

List All E. Logs Run:

Gamma Ray/Neutron

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
237	lime	light show
304	sand	green (gassy)
457	lime	oil show
654	oil sand	brown sand, good bleed
763	sand	brown, no oil
785	oil sand	light odor
830	sand	white, making water

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, 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
surface	9.8750	7	17	23	Portland	6	
completion	5.6250	2.8750	6.45	887	Portland	106	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection:	Producing Method:
11/19/2013	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10				

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL: Top	Bottom
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*		

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
2					75 gal 15% HCL acid; 40 sx sand;
					150 BBLS H2O

TUBING RECORD:	Size:	Set At:	Packer At:
	2.8750	887	

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	Kempnich 49-T
Doc ID	1158063

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	9.8750	7	17	23	Portland	6	
completion	5.6250	2.8750	6.45	887	Portland	106	50/50 POZ

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 11, 2013

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

Re: ACO1
API 15-003-25948-00-00
Kempnich 49-T
NW/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,
Christian L. Martin

EVANS ENERGY DEVELOPMENT INC.
11 Lewis Drive Paola, KS 66071

Oil & Gas Well Drilling
Water Wells
Geo-Loop Installation

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

WELL LOG

Tailwater, Inc.
N. Kempnich #49-T
API #15-003-25,948
August 20 - August 21, 2013

Thickness of Strata	Formation	Total	
12	soil & clay	12	
2	clay & gravel	14	
50	shale	64	
27	lime	91	
70	shale	161	
3	lime	164	
2	shale	166	
5	lime	171	
6	shale	177	
34	lime	211	
7	shale	218	
19	lime	237	light oil show
3	shale	240	
23	lime	263	base of the Kansas City
38	shale	301	
3	sand	304	green (gassy)
2	shale	306	
14	sand	320	green (gassy)
7	shale	327	
12	broken sand	339	green & grey (gassy)
101	shale	440	
4	lime	444	
4	shale	448	
9	lime	457	oil show
20	shale	477	
1	coal	478	
3	shale	481	
10	oil sand	491	grey sand, light bleeding
4	oil sand	495	grey & green sand, ok bleeding
6	shale	501	
1	coal	502	
5	shale	507	
4	lime	511	
17	shale	528	
2	lime	530	
25	shale	555	
5	lime	560	
24	shale	584	

3	lime	587	
24	shale	611	
1	broken sand	612	20% brown snd 80% shale light bleeding
2	oil sand	614	95% brown sand 5% shale seams ok bleeding
2	broken sand	616	40% brown sand 605 shale, light bleeding
2	silty shale	618	
31	shale	649	
1	lime & shells	650	
4	oil sand	654	brown sand, good bleeding
1	broken sand	655	70% sand 30% shale, good bleeding
2	silty shale	657	
3	broken sand	660	30% sand 70% shale, light bleeding
28	shale	688	
2	silty shale	690	shale & few thin sand seams
38	shale	728	
1	broken sand	729	brown & grey, light bleeding
3	silty shale	732	
0.5	broken sand	732.5	
16.5	silty shale	749	
3	broken sand	752	brown sand & shale, light bleeding
9	shale	761	
2	sand	763	brown, no oil
4	broken sand	767	brown & grey sand, no oil
6	sand	773	brown, no oil
1	oil sand	774	brown, ok bleeding
3	limey sand	777	white & tan, no oil
7	sand	784	grey & light brown, no oil, soft sand
1	oil sand	785	light odor
7	sand	792	brown sand, making water
13	oil sand	805	grey sand, good bleeding
2	oil sand	807	white & grey sand, good show
5	sand	812	white & grey sand, no oil
5	shale	817	
13	sand	830	white, making water
70	shale	900	TD

Drilled a 9 7/8" hole to 22.6'
Drilled a 5 5/8" hole to 900'

Set 22.6' of 7" surface casing threaded and coupled cemented with 6 sacks of cement.

Set 887.4' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.

CONSOLIDATED
Oil Well Services, LLC

261658

TICKET NUMBER 42409
LOCATION Ottawa
FOREMAN Alan Mader

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-22-13	7806	N Kemp Sch 49-T	NE 22	20	20	AN

CUSTOMER: Tailwater
MAILING ADDRESS: 6421 Avondale
CITY: Oklahoma City | STATE: OK | ZIP CODE: 73116

TRUCK #	DRIVER	TRUCK #	DRIVER
516	Ala Mad	Safety	Meet
495	Har Bel		
675	Ket Det		
510	Jet Tuc		

JOB TYPE: long string | HOLE SIZE: 5 7/8 | HOLE DEPTH: 900 | CASING SIZE & WEIGHT: 2 7/8
CASING DEPTH: 882.4 | DRILL PIPE: | TUBING: | OTHER:
SLURRY WEIGHT: | SLURRY VOL: | WATER gal/sk: | CEMENT LEFT in CASING: Yes
DISPLACEMENT: 5.1 | DISPLACEMENT PSI: 800 | MIX PSI: 200 | RATE: 5 bpm

REMARKS: Held meeting. Hooked to casing. Established rate. Mixed & pumped 100# gel followed by 106 sk 50/50 cement plus 2% gel. Circulated cement. Flushed pump. Pumped plug to casing TD. Well held 800 PSI. Set float. Closed valve.

Evans, Mitchell

Alan Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495		1085.00
5406	—	MILEAGE	495		—
5402	882.4	casing footage	495		—
5407	min	ton miles	510		368.00
5502C	1 1/2	80 vac	675		135.00
1124	106	50/50 poz cement			1219.00
1118B	278#	gel			61.16
4402	1	2 1/2 plug			29.50
				SALES TAX	100.19
				ESTIMATED TOTAL	2997.85

completed

Ravin 3737

AUTHORIZTION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the custome account records, at our office, and conditions of service on the back of this form are in effect for services identified o