

Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

1221208

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or  
Recompletion Date

Date Reached TD

Completion Date or  
Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West

\_\_\_\_\_ Feet from ☐ North / ☐ South Line of Section

\_\_\_\_\_ Feet from ☐ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☐ SE ☐ SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☐ No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(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 #: \_\_\_\_\_

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: \_\_\_\_\_

☐ Confidential Release Date: \_\_\_\_\_

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ ☐ East ☐ West      County: \_\_\_\_\_

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto: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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
List All E. Logs Run:					

<div style="text-align: center;"> <b>CASING RECORD</b> <input type="checkbox"/> New           <input type="checkbox"/> Used         </div> <div style="text-align: center;">Report all strings set-conductor, surface, intermediate, production, etc.</div>							
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 RECORD				
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:			<input type="checkbox"/> Yes	<input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method:						
			<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity	

<p>DISPOSITION OF GAS:</p> <p><input type="checkbox"/> Vented    <input type="checkbox"/> Sold    <input type="checkbox"/> Used on Lease</p> <p><i>(If vented, Submit ACO-18.)</i></p>	<p>METHOD OF COMPLETION:</p> <p><input type="checkbox"/> Open Hole    <input type="checkbox"/> Perf.    <input type="checkbox"/> Dually Comp.    <input type="checkbox"/> Commingled</p> <p><i>(Submit ACO-5)</i>    <i>(Submit ACO-4)</i></p> <p><input type="checkbox"/> Other (Specify) _____</p>	<p>PRODUCTION INTERVAL:</p> <p>_____</p> <p>_____</p>
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Form	ACO1 - Well Completion
Operator	Tailwater, Inc.
Well Name	North Kempnich 51-T
Doc ID	1221208

#### 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	22	Portland	5	
Completion	5.620	2.8750	6.45	726	Portland	102	)/50 POZ



**CONSOLIDATED**  
Oil Well Services, LLC

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

**MAIN OFFICE**  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

INVOICE

Invoice # 270274

Invoice Date: 08/18/2014 Terms: 0/30/10,n/30

Page 1

TAILWATER, INC.  
6421 AVONDALE DRIVE, SUITE 212  
OKLAHOMA CITY OK 73116  
(405) 810-0900

KEMPNICH #51T  
48039  
08/05/2014  
NW22-20-20

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	102.00	11.5000	1173.00
1118B	PREMIUM GEL / BENTONITE	371.00	.2200	81.62
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50

Sublet Performed	Description	Total
9996-120	CEMENT MATERIAL DISCOUNT	-376.39

Description	Hours	Unit Price	Total
666 CEMENT PUMP	1.00	1085.00	1085.00
666 EQUIPMENT MILEAGE (ONE WAY)	1.00	.00	.00
666 CASING FOOTAGE	726.00	.00	.00
666 MIN. BULK DELIVERY	.50	368.00	184.00
666 80 BBL VACUUM TRUCK (CEMENT)	1.50	100.00	150.00

Amount Due 2801.35 if paid after 08/28/2014

Parts:	1284.12	Freight:	.00	Tax:	69.44	AR	2396.17
Labor:	.00	Misc:	.00	Total:	2396.17		
Sublt:	-376.39	Supplies:	.00	Change:	.00		

Signed

Date

BARTLESVILLE, OK 918/338-0808	EL DORADO, KS 316/322-7022	EUREKA, KS 620/583-7664	PONCA CITY, OK 580/762-2303	OAKLEY, KS 785/672-8822	OTTAWA, KS 785/242-4044	THAYER, KS 620/839-5269	GILLETTE, WY 307/686-4914	CUSHING, OK 918/225-2650
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**CONSOLIDATED**  
Oil Well Services, LLC

270274

TICKET NUMBER 48039

LOCATION Ottawa, KS

FOREMAN Casper, Kennedy

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
8/5/14	7806	Kempnich # 51T	NW 22	20	20	AN

CUSTOMER

Trailwater Inc.

MAILING ADDRESS

6421 Avondale Dr

CITY

Oklahoma City

STATE

OK

ZIP CODE

73116

JOB TYPE Long String

HOLE SIZE 5 5/8"

HOLE DEPTH 736'

CASING SIZE & WEIGHT 2 7/8" EUE

CASING DEPTH 726'

DRILL PIPE

TUBING

OTHER

SLURRY WEIGHT

SLURRY VOL

WATER gal/sk

CEMENT LEFT in CASING

DISPLACEMENT 4.20 bbls

DISPLACEMENT PSI

MIX PSI

RATE 5 bpm

REMARKS: held safety, making established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 102 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to casing TD w/ 4.20 bbls fresh water, pressured to 800 PSI,

*BTG*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00
5406	on lease	MILEAGE		
5402	726'	casing footage		
5407	1/2 minimum	ton mileage		184.00
5502C	1.5 hrs	50 Vac		150.00
1124	102 sks	50/50 Pozmix cement	1173.00	
1118B	371 #	Premium Gel	81.62	
		materials	1254.62	
		-30%	376.39	
		Subtotal		878.23
4402	1	2 1/2" rubber plug		29.50
			2801.36	
		7.65%	SALES TAX	69.44
			ESTIMATED TOTAL	2396.17

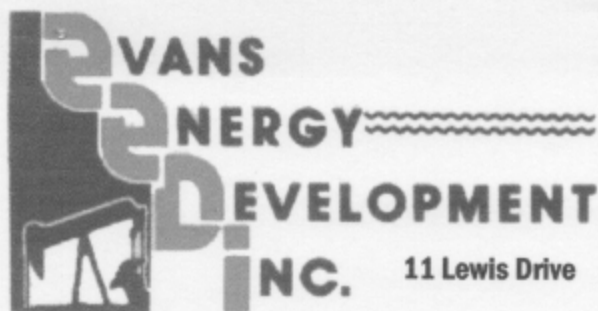
Ravin 3737

AUTHORIZATION [Signature]

TITLE

DATE

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



Oil & Gas Well Drilling  
Water Wells  
Geo-Loop Installation

11 Lewis Drive

Paola, KS 66071

Phone: 913-557-9083

Fax: 913-557-9084

# WELL LOG

Tailwater, Inc.

North Kempnich #51-T

API #15-003-26,258

August 4 - August 5, 2014

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
5	soil & clay	5
4	clay & gravel	9
6	clay	15
58	shale	73
30	lime	103 oil show
12	shale	115
6	lime	121
49	shale	170
12	lime	182
5	shale	187
32	lime	219
7	shale	226
22	lime	248
3	shale	251
22	lime	273 base of the Kansas City
30	shale	303
15	sand	318 green no oil, making water
131	shale	449
3	lime	452
6	shale	458
9	lime	467
12	shale	479
9	silty shale	488
2	broken sand	490 brown & lime, light oil show
1	coal	491
1	shale	492
15	oil sand	507 green, good bleeding
6	shale	513
1	coal	514
4	shale	518
9	lime	527
16	shale	543
5	lime	548
19	shale	567
12	lime	579
16	shale	595
4	lime	599
24	shale	623
4	broken sand	627 brown & green ok bleeding
33	shale	660



1	lime & shells	661
7	oil sand	668 brown, good bleeding
4	broken sand	672 brown & grey light bleeding
4	shale	676
3	sand	679 black, no oil show
57	shale	736 TD

Drilled a 9 7/8" hole to 21.6'

Drilled a 5 5/8" hole to 736'

Set 21.6' of 7" surface casing threaded and coupled cemented with 5 sacks of cement.

Set 726' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.