



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.

Wittman #1-IW (Sec 15)

API#15-003-25.232

September 17 - September 18, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
15	soil & clay	15
78	shale	93
29	lime	122
64	shale	186
10	lime	196
7	shale	203
34	lime	237
7	shale	244
22	lime	266
3	shale	269
18	lime	287 base of the Kansas City
170	shale	457
3	lime	460
4	shale	464
7	lime	471 oil show
9	shale	480
12	oil sand	492 green, ok bleeding
1	coal	493
7	shale	500
21	oil sand	521 green, ok bleeding
1	coal	522
7	shale	529
8	lime	537
10	shale	547
5	lime	552
19	shale	571
8	lime	579
46	shale	625
15	silty shale	640
21	shale	661
1	lime & shells	662
9	oil sand	671 brown, good bleeding
2	broken sand	673 brown & grey, good bleeding
39	shale	712
53	broken sand	765 brown & grey, no show
14	sand	779 brown, no oil show
20	oil sand	799 brown, good bleeding

1	sand	800 white, no oil
11	oil sand	811 brown
15	sand	826 white, no oil
		826 TD

Drilled a 9 7/8" hole to 21.1'

Drilled a 5 5/8" hole to 826'

Set 21.1' of 7" surface casing cemented with 6 sacks of cement.

Set 816' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.



**CONSOLIDATED**  
Oil Well Services, LLC

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

TICKET NUMBER 39666  
LOCATION Chawwa, KS  
FOREMAN Casery Kennedy

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9/19/12	7806	Whitman #1-IW	SW15	20	20	AN
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Tailwater Inc.			481	Casken	ck	
MAILING ADDRESS			495	Har Bee	HB	
6421 Avondale Dr. Suite 212			515	Cal Har	CH	
CITY	STATE	ZIP CODE	369	Der Mag	DM	
Oklahoma City	OK	73116				

JOB TYPE longstring HOLE SIZE 5 7/8" HOLE DEPTH 826' CASING SIZE & WEIGHT 2 7/8" EUG  
 CASING DEPTH 816 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 4.74 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5.5 bpm

REMARKS: held safety meeting, established circulation, mixed + pumped 100 # Premium  
Coel followed by 10 bbls fresh water, mixed + pumped 125 sts 5/50 Pozmix cement  
w/ 2 1/2 gal per st, cement to surface flushed pump clean, pumped 2 1/2" rubber  
plug to casing TD w/ 4.74 bbls, pressured to 800 PSI, well held pressure for 30 min  
MFT, released pressure, shut in casing.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1030.00
5406	15 mi	MILEAGE		160.00
5402	816'	Casing footage		175.00
5407	1/2 min	ton mileage		90.00
5502C	1 hr	80 Vac		
1124	125 sts	5/50 Pozmix cement		1368.75
1118B	310 #	Premium Coel		65.10
4402	1	2 1/2" rubber plug		28.00
			7.8%	SALES TAX
				ESTIMATED TOTAL
				114.02
				2930.87

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

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