



**VANS**  
**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.

Pedrow #4-T

API#15-003-25,617

October 25 - October 26, 2012

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
4	soil & clay	4
3	clay & gravel	7
71	shale	78
30	lime	108
70	shale	178
10	lime	188
11	shale	199
31	lime	230
5	shale	235
21	lime	256
3	shale	259
21	lime	280 base of the Kansas City
170	shale	450
3	lime	453
9	shale	462
8	lime	470 oil show
6	shale	476
10	oil sand	486 green, ok bleeding
9	shale	495
25	oil sand	520 green, light bleeding
1	coal	521
7	shale	528
6	lime	534
15	shale	549
8	lime	557
33	shale	590
7	lime	597
29	shale	626
8	broken sand	634 brown & green, ok bleeding
31	shale	665
1	lime & shells	666
6	oil sand	672 brown, good bleeding
5	shale	677
3	sand	680 black, no oil
66	shale	746
53	broken sand	799 brown & grey, light bleeding, gassey
10	oil sand	809 brown, ok bleeding

31  
46

sand  
shale

840 white, no oil, making water  
886 TD

Drilled a 9 7/8" hole to 21'  
Drilled a 5 5/8" hole to 886'

Set 21' of 7" surface casing cemented with 6 sacks of cement.

Set 876.3' 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

TICKET NUMBER 35118

LOCATION Ottawa KS

FOREMAN Fred 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
10/30/12	7806	Redvow # 4-T	NE 28	20	20	AN
CUSTOMER <u>Tailwater Inc</u>			TRUCK #			
MAILING ADDRESS <u>6421 Avondale Dr</u>			DRIVER			
CITY <u>Oklahoma City</u>		STATE <u>OK</u>	ZIP CODE <u>73116</u>		TRUCK #	
JOB TYPE <u>Longstrick</u>			HOLE SIZE <u>5 7/8</u>	HOLE DEPTH <u>886</u>	CASING SIZE & WEIGHT <u>2 7/8 EUE</u>	
CASING DEPTH <u>876</u>			DRILL PIPE	TUBING	OTHER	
SLURRY WEIGHT			SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>2 1/2" Plug</u>	
DISPLACEMENT <u>5.1 BBL</u>			DISPLACEMENT PSI	MIX PSI	RATE <u>53 BPM</u>	

REMARKS: Establish pump rate. Mix + Pump 100 # Gal Flush. Mix + Pump 126 SKS 50/50 Pac Mix Cement 20 Gal. Cement to Surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to casing TD. Pressure to 800 # PSI. Release pressure to set float valve. Shut in casing.

Fred Mader

Evans Energy Dev. Inc.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	495	1030 <sup>00</sup>
5406	25 mi	MILEAGE	495	100 <sup>00</sup>
5402	876'	Casing footage		NIC
5407	1/2 Min. work	Ten Miles	510	175 <sup>00</sup>
5502C	2 hrs	80 BBL Vac Truck	369	180 <sup>00</sup>
1124	126 SKS	50/50 Pac Mix Cement		1379 <sup>70</sup>
1118B	312 #	Premium Gel		65 <sup>52</sup>
4402	1	2 1/2" Rubber Plug		28 <sup>00</sup>
			7.5%	SALES TAX
				ESTIMATED TOTAL
				114 <sup>21</sup>
				3073 <sup>13</sup>

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.

254157