



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 #16-T

API#15-003-25,627

November 7 - November 8, 2012

| <u>Thickness of Strata</u> | <u>Formation</u> | <u>Total</u> |
|----------------------------|------------------|----------------------------------|
| 8 | soil & clay | 8 |
| 92 | shale | 100 |
| 28 | lime | 128 |
| 67 | shale | 195 |
| 10 | lime | 205 |
| 10 | shale | 215 |
| 31 | lime | 246 |
| 5 | shale | 251 |
| 20 | lime | 271 |
| 3 | shale | 274 |
| 23 | lime | 297 base of the Kansas City |
| 170 | shale | 467 |
| 3 | lime | 470 |
| 4 | shale | 474 |
| 8 | lime | 482 oil show |
| 24 | shale | 506 |
| 24 | oil sand | 530 green, light bleeding |
| 1 | coal | 531 |
| 7 | shale | 538 |
| 6 | lime | 544 |
| 15 | shale | 559 |
| 8 | lime | 567 |
| 33 | shale | 600 |
| 7 | lime | 607 |
| 30 | shale | 637 |
| 9 | broken sand | 646 brown & green, good bleeding |
| 29 | shale | 675 |
| 1 | lime & shells | 676 |
| 6 | oil sand | 682 brown, ok bleeding |
| 61 | shale | 743 |
| 6 | broken sand | 749 brown & grey, no show |
| 20 | shale | 769 |
| 36 | oil sand | 805 brown, no oil show |
| 25 | oil sand | 830 brown, light bleeding |
| 1 | coal | 831 |
| 8 | sand | 839 white, no oil |
| 57 | shale | 896 TD |

Drilled a 9 7/8" hole to 21'
Drilled a 5 5/8" hole to 896'

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

Set 885.5' 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 35197

LOCATION Ottawa KS

FOREMAN Fred Mader

FIELD TICKET & TREATMENT REPORT
CEMENT

| DATE | CUSTOMER # | WELL NAME & NUMBER | SECTION | TOWNSHIP | RANGE | COUNTY |
|--|------------|--------------------|---------|----------|-------|--------|
| 11/9/12 | 7806 | Pedrow # 116-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> | | | TRUCK # | | | |
| STATE <u>OK</u> | | | DRIVER | | | |
| ZIP CODE <u>73116</u> | | | TRUCK # | | | |
| | | | DRIVER | | | |

JOB TYPE long string HOLE SIZE 5 7/8 HOLE DEPTH 896 CASING SIZE & WEIGHT 2 1/4 EUE
 CASING DEPTH 680 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 2 1/2" Plug
 DISPLACEMENT 515BB DISPLACEMENT PSI _____ MIX PSI _____ RATE 5BPM

REMARKS: Establish pump rate. Mix + Pump 100# Gel Flush. Mix + Pump 122 sks 50/50 Poz Mix Cement 270 Gel. 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. Switch casing.

Evans Energy Dev. Inc. - Travis

Fred Mader

| ACCOUNT CODE | QUANTITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|-------------------|------------------------------------|------------|--------------------|
| 5401 | 1 | PUMP CHARGE | 495 | 1030 ⁰⁰ |
| 5406 | 25 mi | MILEAGE | 49.5 | 100 ⁰⁰ |
| 5402 | 886 | Casing footage | | N/C |
| 5407 | 1/2 Mix. min. | Tax Miles | 510 | 175 ⁰⁰ |
| 5502c | 1/2 hr | 80 BBL Vac Truck | 369 | 135 ⁰⁰ |
| 1124 | 122 sks | 50/50 Poz Mix Cement | | 1335 ⁷⁰ |
| 1118B | 305# | Premium Gel | | 649 ⁰⁵ |
| 4402- | 1 | 2 1/2" Rubber Plug | | 28 ⁰⁰ |
| | | | 7.8% | SALES TAX |
| | | | | ESTIMATED |
| | | | | TOTAL |

Ravin 3737

AUTHORIZATION [Signature]

TITLE _____

DATE _____

254443

111³⁸
2979³³

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