

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
June 2009

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: OKC State: OK Zip: 73116  
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  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.): APR - 4 2011

If Workover/Re-entry: Old Well Info as follows:  
Operator: CONSERVATION DIVISION WICHITA, KS

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

8/10/10 8/11/10 need kcc appr  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 003-24865-00-00  
Spot Description:  
NW ~~NE~~ nws Sec. 15 Twp. 20 S. R. 20  East  West  
2310 1958 Feet from  North /  South Line of Section  
990 4505 Feet from  East  West Line of Section  
Footages Calculated from GPS - UCC Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Anderson  
Lease Name: West Wittman Well #: 1-IW  
Field Name: Garnett Shoestring  
Producing Formation: Squirrel  
Elevation: Ground: 962 est Kelly Bushing: n/a  
Total Depth: 735' Plug Back Total Depth: n/a  
Amount of Surface Pipe Set and Cemented at: 24.1 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: 24.1' w/ 6 sx crmt.

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

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**AFFIDAVIT**  
I am the affiant and 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.  
Signature: Christian L. Martin  
Title: Office Mgr Date: 4-1-11

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Dlg Date: 4/19/11

Operator Name: Tailwater, Inc. Lease Name: West Wittman Well #: 1-IW  
 Sec. 15 Twp 20 S. R. 20  East  West County: Anderson

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Gamma Ray/Neutron</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum <b>Squirrel</b> <b>Driller's Log attached</b>
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 7/8"	7"		24.1'	Portland	6	
completion	5 5/8"	2 7/8"		724.5'	Portland	108	50/50 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

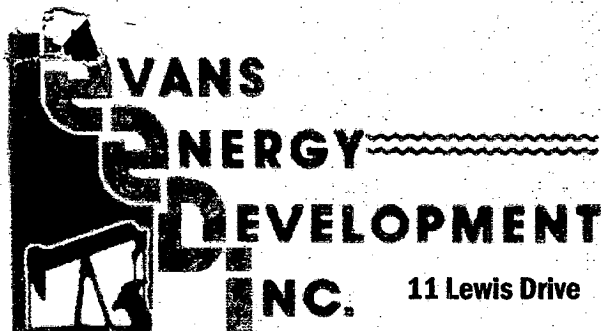
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
2	666' - 674' (17 perfs)	n/a	

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>24.1'</u>	Packer At: <u>n/a</u>	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR: <u>n/a</u>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
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Estimated Production Per 24 Hours	Oil Bbls. <u>n/a</u>	Gas Mcf <u>0</u>	Water Bbls. <u>n/a</u>	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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**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.

West Wittman #1-IW

API# 15-003-24,865

August 10 - August 11, 2010

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
14	soil & clay	14
77	shale	91
30	lime	121
10	shale	131
19	lime	150
34	shale	184
11	lime	195
7	shale	202
34	lime	236
9	shale	245
21	lime	266
4	shale	270
17	lime	287 base of the Kansas City
163	shale	450
2	lime	452
4	shale	456
4	lime	460
5	shale	465
7	lime	472 oil show
28	shale	500
18	oil sand	518 lite brown, very little oil bleeding
10	shale	528
3	lime	531
2	shale	533
2	lime	535
15	shale	550
3	lime	553
19	shale	572
6	lime	578
25	shale	603
2	lime	605
16	shale	621
2	lime	623
43	shale	666
7	oil sand	673 lite brown, ok bleeding
7	black sand	680 black, thin bleeding seams
55	shale	735 with some sandy seams
		735 TD

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West Wittman #1-IW

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Drilled a 9 7/8" hole to 24.1'

Drilled a 5 5/8" hole to 735'

Set 24.1' of 7" surface casing with 6 sacks of cement.

Set 724.5' of 2 7/8" 8-round upset tubing including 3 centralizers, 1 float shoe and 1 clamp.

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CONSERVATION DIVISION  
WICHITA, KS



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 27099  
LOCATION Ottawa, KS  
FOREMAN Casey 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
8/13/10	7806	Wittman 2-LW	SW 15	20	20	AN
CUSTOMER <u>Tarwater</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>6421 Avondale Dr. Ste 212</u>			<u>389</u>	<u>Casey</u>	<u>CK</u>	
CITY <u>Oklahoma City</u>			<u>368</u>	<u>Ken Ham</u>	<u>KH</u>	
STATE <u>OK</u>			<u>510</u>	<u>Tim War</u>	<u>TAW</u>	
ZIP CODE <u>73116</u>			<u>505 7106</u>	<u>Cec Per</u>	<u>CHP</u>	
JOB TYPE <u>Logging</u>	HOLE SIZE <u>5 7/8"</u>	HOLE DEPTH <u>735'</u>	CASING SIZE & WEIGHT <u>2 7/8" EUE</u>			
CASING DEPTH <u>724'</u>	DRILL PIPE	TUBING	OTHER			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>2 1/2" rubber plug</u>			
DISPLACEMENT <u>4.21 bbls</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>4 bpm</u>			
REMARKS: <u>held safety meeting, established circulation, mixed + pumped 100 sk Premium Gel followed by 10 bbls fresh water, mixed + pumped 110 sks 50/50 Pozmix cement w/ 2% Premium Gel per sk, cement to surface, flushed pump clean, displaced 2 1/2" rubber plug to casing, TD w/ 4.21 bbls fresh water, pressured to 700 PSI, well held pressure, received pressure to set float valve, shut in casing.</u>						

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*(Handwritten signature)*

CONSERVATION DIVISION  
WICHITA, KS

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE cement pump		925.00
5406	25 miles	MILEAGE pump truck		91.25
5407	1/2 minimum	ton mileage		157.50
5501 C	2 hrs	water transport		224.00
1124	108 sks	50/50 Pozmix cement		1062.72
1118 B	285 #	Premium Gel		57.00
4402	1	2 1/2" rubber plug		23.00
				7.8%
			SALES TAX	89.13
			ESTIMATED TOTAL	2629.60

*140 # 236003*

Revin 3737

AUTHORIZATION \_\_\_\_\_ 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.



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 68, Osawatomie, KS 66064  
 913 / 755 - 2128

**GAMMA RAY / NEUTRON / CCL**

File No.

API # 15-003-24,865

Company **Martin Oil Properties**  
 Well **West Wittman No. 1-IW**  
 Field **Garnett Shoestring**  
 County **Anderson** State **Kansas**

Location	2390' FSL & 990' FWL NE-NW-SW	Other Services
Sec. 15	Twp. 20s	Rge. 20e
Permanent Datum	GL	Elevation NA
Log Measured From	GL	K.B. NA
Drilling Measured From	GL	D.F. NA
		G.L. NA

Date	8-17-2010		
Run Number	One		
Depth Driller	735.0		
Depth Logger	721.8		
Bottom Logged Interval	720.8		
Top Log Interval	20.0		
Fluid Level	Full		
Type Fluid	Water		
Density / Viscosity	NA		
Salinity - PPM Cl	NA		
Max Recorded Temp	NA		
Estimated Cement Top	0.0		
Equipment No.	Location	107	Osawatomie
Recorded By	Steve Windisch		
Witnessed By	Chris Martin		

RUN	BORE-HOLE RECORD			CASING RECORD				
	No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	24.0	7.00"			0.0	24.1
Two	5.625"	24.0	735.0	2.875"			0.0	724.5

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