



KANSAS CORPORATION COMMISSION 1066588  
OIL & GAS CONSERVATION DIVISION

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 # 34385  
Name: G and T Petroleum Consulting and Management  
Address 1: PO BOX 8  
Address 2: \_\_\_\_\_  
City: MCCRACKEN State: KS Zip: 67556 + \_\_\_\_\_  
Contact Person: Jim Rutherford  
Phone: ( 785 ) 394-1049  
CONTRACTOR: License # 33323  
Name: Petromark Drilling, LLC  
Wellsite Geologist: Justin Carter  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW  
 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  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_  
10/20/2011    10/25/2011    10/25/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-185-23662-00-00  
Spot Description: \_\_\_\_\_  
SE NW NE NW Sec. 14 Twp. 24 S. R. 14  East  West  
358 Feet from  North /  South Line of Section  
1712 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Stafford  
Lease Name: Ruth Johnson Trust Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: miss  
Elevation: Ground: 1943 Kelly Bushing: 1947  
Total Depth: 4150 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 220 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: 101000 ppm Fluid volume: 560 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: Bob's Hauling Service, inc  
Lease Name: Waters License #: 33779  
Quarter NW Sec. 30 Twp. 24 S. R. 14  East  West  
County: Stafford Permit #: D24863

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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Garrison Date: 12/28/2012

1066588

Operator Name: G and T Petroleum Consulting and Management Lease Name: Ruth Johnson Trust Well #: 1  
 Sec. 14 Twp. 24 S. R. 14  East  West County: Stafford

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Attached</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Dual Induction</td> <td>200</td> <td></td> </tr> <tr> <td>Dual CNL CDL</td> <td>3000</td> <td></td> </tr> <tr> <td>Micro</td> <td>3000</td> <td></td> </tr> <tr> <td>Sonic</td> <td>800</td> <td></td> </tr> </table>	Name	Top	Datum	Dual Induction	200		Dual CNL CDL	3000		Micro	3000		Sonic	800	
Name	Top	Datum														
Dual Induction	200															
Dual CNL CDL	3000															
Micro	3000															
Sonic	800															

CASING RECORD <input checked="" 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	12.25	8.625	23	219	Class A	225	3%CC,2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ 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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	G and T Petroleum Consulting and Management
Well Name	Ruth Johnson Trust 1
Doc ID	1066588

All Electric Logs Run

Dual Induction Log
Dual CNL CDL Log
Microsensitivity Log
BHC Sonic Log



# ALLIED

CEMENTING CO., LLC  
Cementing & Acidizing Services

## CEMENTING LOG

STAGE NO.

Date 10-20-11 District \_\_\_\_\_ Ticket No. 37404  
 Company GAT Petroleum Rig Petroleum 2 Spacer Type Freshwater  
 Lease Ruth Johnson Trust Well No. 1 Amt. 2500 Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 5.34 PPG \_\_\_\_\_  
 County STAFFORD State KS  
 Location St. John, KS 4 West 2 Field \_\_\_\_\_  
South 11 1/2 East South into  
 CASING DATA: Conductor  PTA  Squeeze  Misc   
 Surface  Intermediate  Production  Liner   
 Size 8 1/8 Type NEW Weight 27.5 Collar VRP

LEAD: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_  
 TAIL: Pump Time friction time hrs. Type L1999 A  
20 cc 20 cc gel Excess \_\_\_\_\_  
 Amt. 220 Sks Yield 1.34 ft<sup>3</sup>/sk Density 15.2 PPG \_\_\_\_\_  
 WATER: Lead \_\_\_\_\_ gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls. \_\_\_\_\_  
 Pump Trucks Used 398 Shane R.  
 Bulk Equip. 482/188 Kevin W.

Casing Depths: Top BR Bottom 219

Drill Pipe: Size 4 1/2 Weight 16.6 Collars 4 hole  
 Open Hole: Size 12 1/4 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70  
 Open Holes: Bbls/Lin. ft. .1458 Lin. ft./Bbl. 6.85  
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.72  
 Annulus: Bbls/Lin. ft. .0135 Lin. ft./Bbl. 13.60  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

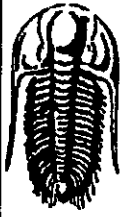
Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. \_\_\_\_\_ Bbls. Weight 9.34 PPG \_\_\_\_\_  
 Mud Type Native Weight 9.1 PPG \_\_\_\_\_

COMPANY REPRESENTATIVE \_\_\_\_\_

CEMENTER Greg R.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
						On location - Rig up safety meeting
						Run 8 1/8 casing
						Circulate casing with Rig mud. Shut down
						Hook up
						Run 5 bbls ahead
			58.69	57.69		MIX 225 lbs cement
						Shut down - Release plug
			71.69	13		Displace with 13 bbls fresh water.
						Shut in
						Cement did circulate

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

G & T Petroleum Consulting Management

14-24s-14w Stafford, KS

PO Box 8  
Mccracken KS 67556

Ruth Johnson Trust#1

Job Ticket: 44070

DST#: 1

ATTN: Jim Rutheford/Josh A

Test Start: 2011.10.24 @ 18:39:45

### GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 23:26:15

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Chris Staats**

Unit No: **34**

Interval: **4015.00 ft (KB) To 4035.00 ft (KB) (TVD)**

Total Depth: **4035.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1946.00 ft (KB)**

**1941.00 ft (CF)**

KB to GR/CF: **5.00 ft**

Serial #: **6773**

Outside

Press@RunDepth: **psig @ 4016.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.10.24**

End Date:

**2011.10.24**

Last Calib.:

**2011.10.24**

Start Time: **18:39:50**

End Time:

**23:26:14**

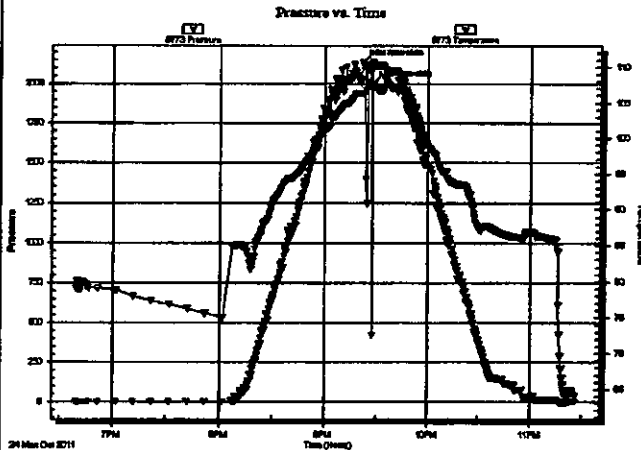
Time On Btm

**2011.10.24 @ 21:22:00**

Time Off Btm

**2011.10.24 @ 21:27:45**

TEST COMMENT: IF: Strong blow packer failed picked up and reset packer. Packer failed again MSRLIN



### PRESSURE SUMMARY

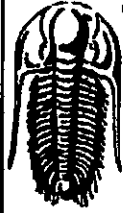
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2134.14	106.31	Initial Hydro-static
6	1998.73	110.62	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud 100% mud	0.60

### Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

G & T Petroleum Consulting Management

14-24s-14w Stafford, KS

PO Box 8  
Mccracken KS 67556

Ruth Johnson Trust#1

Job Ticket: 44071 DST#: 2

ATTN: Jim Rutheford/Josh A

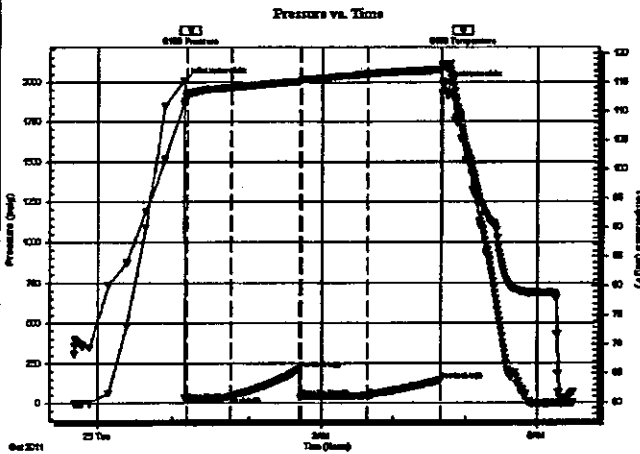
Test Start: 2011.10.24 @ 23:41:31

### GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: **No Whipstock** ft (KB)  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: **01:10:46**  
 Tester: **Chris Staats**  
 Time Test Ended: **08:28:46**  
 Unit No: **34**  
 Interval: **4005.00 ft (KB) To 4035.00 ft (KB) (TVD)**  
 Reference Elevations: **1946.00 ft (KB)**  
 Total Depth: **4035.00 ft (KB) (TVD)**  
 1941.00 ft (CF)  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **5.00 ft**

Serial #: **8166** Outside  
 Press@RunDepth: **46.41 psig @ 4006.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2011.10.24** End Date: **2011.10.25** Last Calib.: **2011.10.25**  
 Start Time: **23:41:36** End Time: **06:28:45** Time On Btm: **2011.10.25 @ 01:08:31**  
 Time Off Btm: **2011.10.25 @ 04:41:16**

TEST COMMENT: IF: Strong blow 8"  
 1st Weak surface blow back  
 FF: Fair blow 4 1/2"  
 FSI: No blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.11	111.30	Initial Hydro-static
3	20.28	112.82	Open To Flow (1)
38	42.35	114.07	Shut-In(1)
93	217.68	115.08	End Shut-In(1)
95	37.76	115.41	Open To Flow (2)
150	46.41	116.39	Shut-In(2)
211	145.05	117.08	End Shut-In(2)
213	1988.13	117.92	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	310' GP	0.00
62.00	O,V,M 15% water 20% oil 65% mud	0.30

\* Recovery from multiple tests

### Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)