



**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**

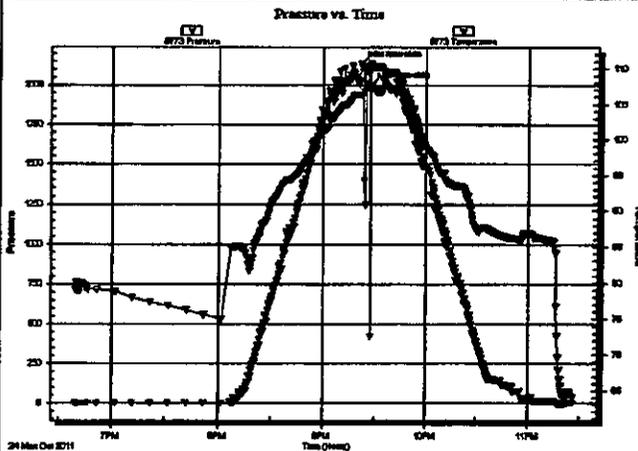
Time On Btm

**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)



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## 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

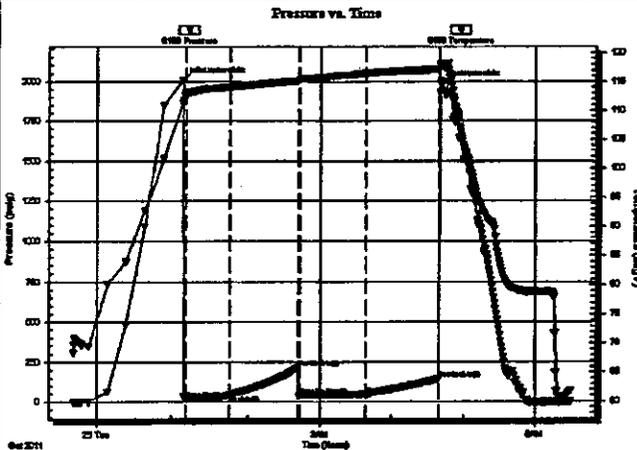
Test Start: 2011.10.24 @ 23:41:31

### 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

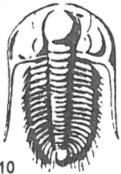
### Recovery

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

\* Recovery from multiple tests

### Gas Rates

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



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
OCT 31 2011  
BY: \_\_\_\_\_

## Test Ticket

NO. 44070 16921

Well Name & No. Ruth Johnson TRUST #1 Test No. 1 Date 10-24-11  
 Company G&WT Petroleum consulting management Elevation ~~1946~~ 1946 KB ~~1946~~ 1946 GL 1946  
 Address PO Box 8 McCracken KS 67556  
 Co. Rep / Geo. Jim Rutherford / Josh Austin Rig PETROMARK DRLg Rig #2  
 Location: Sec. 14 Twp. 24S Rge. 14W Co. STAFFORD State KS

Interval Tested 4015 - 4035 Zone Tested Mississippi  
 Anchor Length 20' Drill Pipe Run 3902 Mud Wt. 9.5  
 Top Packer Depth 4010 Drill Collars Run 119 Vis 70  
 Bottom Packer Depth 4015 Wt. Pipe Run 0 WL 11.2  
 Total Depth 4035 Chlorides 7,800 ppm System LCM 0  
 Blow Description IF: STRong blow packer failed picked up and Reset packer  
packer failed again Miss Run

FF: \_\_\_\_\_

### FSL

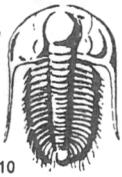
Rec	Feet of	%gas	%oil	%water	%mud
<u>120'</u>	<u>MUDD</u>			<u>100</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 120' BHT 110° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2134  Test 1025' T-On Location 17:15  
 (B) First Initial Flow \_\_\_\_\_  Jars \_\_\_\_\_ T-Started 18:39  
 (C) First Final Flow \_\_\_\_\_  Safety Joint \_\_\_\_\_ T-Open \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled 21:45  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 23:20  
 (F) Second Final Flow \_\_\_\_\_  Mileage 70 miles 98<sup>00</sup> Comments Packer Failed  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1998  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open \_\_\_\_\_  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In \_\_\_\_\_  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow \_\_\_\_\_  Day Standby \_\_\_\_\_ Total 1123'  
 Final Shut-In \_\_\_\_\_  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1123'

Approved By Jim Rutherford Our Representative Chris Stark  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
OCT 31 2011

## Test Ticket

NO. 44071

Well Name & No. Ruth Johnson TRUST #1 Test No. 2 Date 10-25-11  
 Company GANDT Petroleum consulting management Elevation 1946 KB 1941 GL  
 Address PO Box 8 McCracken KS 67556  
 Co. Rep / Geo. Jim Ruthe Ford / Josh Austin Rig PETromark DrLg Rig #2  
 Location: Sec. 14 Twp. 24s Rge. 14W Co. STAFFORD State KS

Interval Tested 4005 - 4035 Zone Tested Mississippi  
 Anchor Length 30' Drill Pipe Run 3872 Mud Wt. 9.5  
 Top Packer Depth 4000 Drill Collars Run 119 Vis 70  
 Bottom Packer Depth 4005 Wt. Pipe Run 0 WL 11.2  
 Total Depth 4035 Chlorides 7800 ppm System LCM 0

Blow Description IF: STRONG blow 8"  
ISI: weak blow back  
FF: Fair blow 4 1/2"  
PSI NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
	<u>310' GIP</u>				
<u>62'</u>	<u>M, W COIL</u>		<u>20</u>	<u>15</u>	<u>65</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62' BHT 116 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2007  Test 1225 T-On Location 17:15  
 (B) First Initial Flow 20  Jars \_\_\_\_\_ T-Started 2341  
 (C) First Final Flow 42  Safety Joint \_\_\_\_\_ T-Open 1:10  
 (D) Initial Shut-In 217  Circ Sub \_\_\_\_\_ T-Pulled 4:45  
 (E) Second Initial Flow 37  Hourly Standby \_\_\_\_\_ T-Out 6:15  
 (F) Second Final Flow 46  Mileage \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In 145  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1988  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1225  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1225

Approved By Jim Ruthe Ford Our Representative Chris Staeb

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