



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- 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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ 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 #: \_\_\_\_\_

**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: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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

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:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Jason Oil Co. LLC**

PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

**Maier #1**

**4-8s-24w Graham,KS**

Start Date: 2012.11.09 @ 18:51:05

End Date: 2012.11.10 @ 01:22:09

Job Ticket #: 49372      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.11.20 @ 11:27:16

Jason Oil Co. LLC    4-8s-24w Graham,KS    Maier #1    DST # 1    Oread-Plattsmouth    2012.11.09

# DRILL STEM TEST REPORT



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

**Maier #1**  
 4-8s-24w Graham, KS  
 Job Ticket: 49372  
 DST#: 1  
 Test Start: 2012.11.09 @ 18:51:05

## GENERAL INFORMATION:

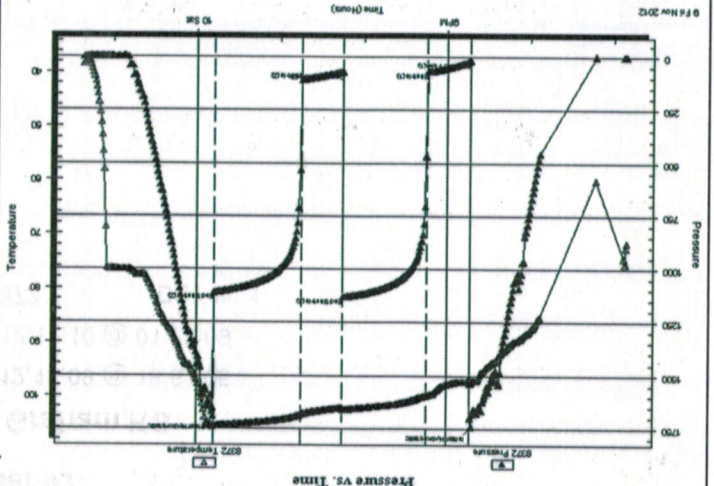
Formation: Oread-Plattsmouth  
 Deviated: No  
 Whipstock: No  
 Time Tool Opened: 20:43:40  
 Time Test Ended: 01:22:09  
 Interval: 3527.00 ft (KB) To 3592.00 ft (KB) (TVD)  
 Total Depth: 3592.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches  
 Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 2360.00 ft (KB)  
 2352.00 ft (CF)  
 8.00 ft  
 KB to GR/CF:

**Serial #: 8372**  
 Outside  
 Press@RunDepth: 108.30 psig @ 3534.00 ft (KB)  
 Start Date: 2012.11.09  
 End Date: 2012.11.10  
 Start Time: 18:51:05  
 End Time: 01:22:10

Capacity: 8000.00 psig  
 Last Calib.: 2012.11.10  
 Time On Btm: 2012.11.09 @ 20:42:20  
 Time Off Btm: 2012.11.09 @ 23:48:20

**TEST COMMENT:**  
 IF:(30min) 2" blow in 3 min. 6" in 14 min. built to 10"  
 ISL:(60min) No Return  
 FF:(30min) 2" blow in 5 min. 6" in 18 min. built to 8"  
 FSI:(60min) No Return



## Recovery

Length (ft)	Description	Volume (bb)
200.00	MMW m=30% w=70%	2.54

## Gas Rates

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

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.61	97.46	Initial Hydro-static
2	16.30	96.66	Open To Flow (1)
32	68.73	99.83	Shut-In(1)
93	1132.18	102.55	End Shut-In(1)
93	70.67	102.12	Open To Flow (2)
123	108.30	103.40	Shut-In(2)
186	1110.14	105.54	End Shut-In(2)
186	1693.06	105.71	Final Hydro-static



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

**4-8s-24w Graham, KS**  
**Maier #1**  
 Job Ticket: 49372      **DST#: 1**  
 Test Start: 2012.11.09 @ 18:51:05

**GENERAL INFORMATION:**

Formation: **Oread-Plattsmouth**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 20:43:40  
 Time Test Ended: 01:22:09  
 Interval: **3527.00 ft (KB) To 3592.00 ft (KB) (TVD)**  
 Total Depth: 3592.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 2360.00 ft (KB)  
 2352.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8017      Inside**  
 Press@RunDepth:      psig @ 3534.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.11.09      End Date: 2012.11.10      Last Calib.: 2012.11.10  
 Start Time: 18:51:05      End Time: 01:22:10      Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF:(30min) 2" blow in 3 min. 6" in 14 min. built to 10"  
 ISl:(60min) No Return  
 FF:(30min) 2" blow in 5 min. 6" in 18 min. built to 8"  
 FSl:(60min) No Return



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
200.00	MW m=30% w=70%	2.54

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC.

Jason Oil Co. LLC  
PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

DST#: 1

Job Ticket: 49372

Test Start: 2012.11.09 @ 18:51:05

Maier #1

4-8s-24w Graham, KS

**DRILL STEM TEST REPORT**

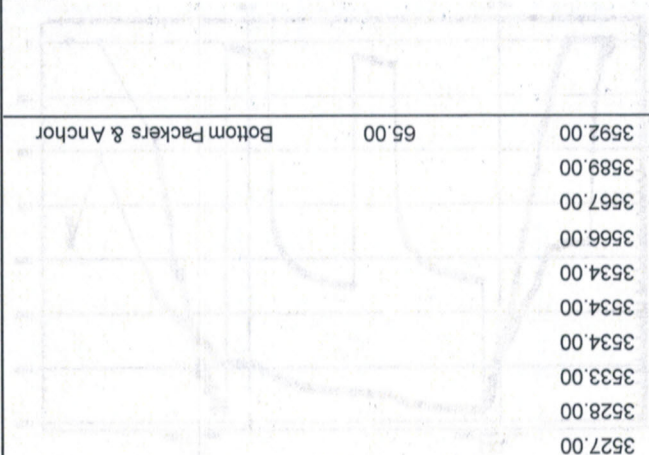
**TOOL DIAGRAM**

**Tool Information**

Drill Pipe: Length: 3483.00 ft Diameter: 3.80 inches Volume: 48.86 bbl Tool Weight: 2500.00 lb  
 Heavy Mt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight set on Packer: 2400.00 lb  
 Drill Collar: Length: 29.21 ft Diameter: 2.25 inches Volume: 0.14 bbl Weight to Pull Loose: 5800.00 lb  
 Drill Pipe Above KB: 5.21 ft  
 Depth to Top Packer: 3527.00 ft  
 Depth to Bottom Packer: ft  
 Interval between Packers: 65.00 ft  
 Tool Length: 85.00 ft  
 Number of Packers: 2 Diameter: 6.75 inches  
 Tool Comments:

**Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3508.00	
Shut In Tool	5.00			3513.00	
Hydraulic tool	5.00			3518.00	
Packer	5.00			3523.00	
Packer	4.00			3527.00	
Stub	1.00			3528.00	
Perforations	5.00			3533.00	
Change Over Sub	1.00			3534.00	
Recorder	0.00	8017	Inside	3534.00	
Recorder	0.00	8372	Outside	3534.00	
Drill Pipe	32.00			3566.00	
Change Over Sub	1.00			3567.00	
Perforations	22.00			3589.00	
Bullnose	3.00			3592.00	
<b>Total Tool Length:</b>	<b>85.00</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Co. LLC  
PO Box 701  
Russell KS 67665+0701  
ATTN: Jeff Lawler

**4-8s-24w Graham, KS**  
**Maier #1**  
Job Ticket: 49372      DST#: 1  
Test Start: 2012.11.09 @ 18:51:05

## Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	72000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.55 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	500.00 ppm				
Filter Cake:	inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
200.00	MW m=30% w =70%	2.539

Total Length: 200.00 ft      Total Volume: 2.539 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

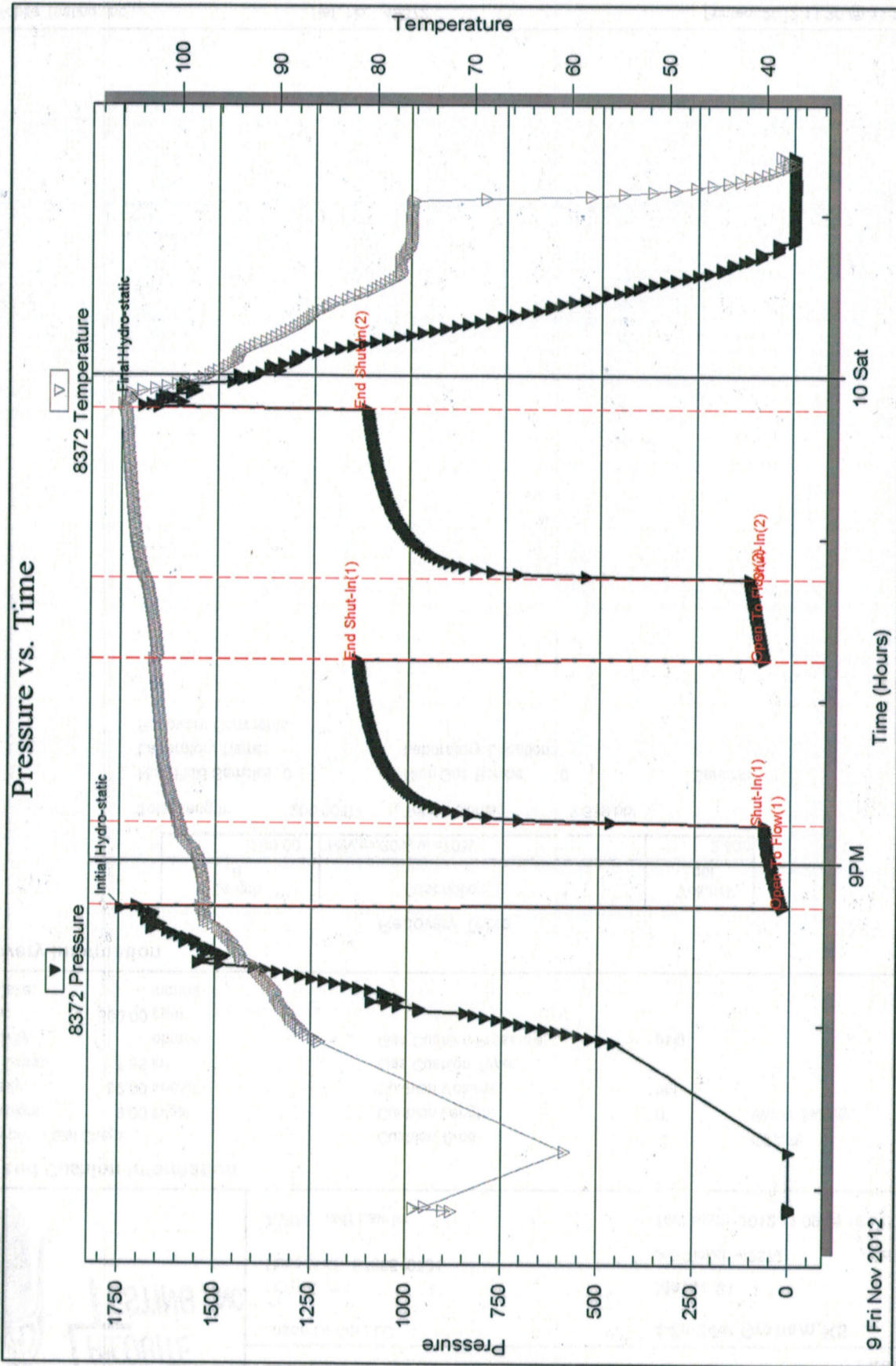
Serial #: 8372

Outside Jason Oil Co. LLC

Maier #1

DST Test Number: 1

### Pressure vs. Time



9 Fri Nov 2012

9PM

10 Sat

Time (Hours)

Trilobite Testing, Inc

Ref. No: 49372

Printed: 2012.11.20 @ 11:27:20



Serial #: 8017

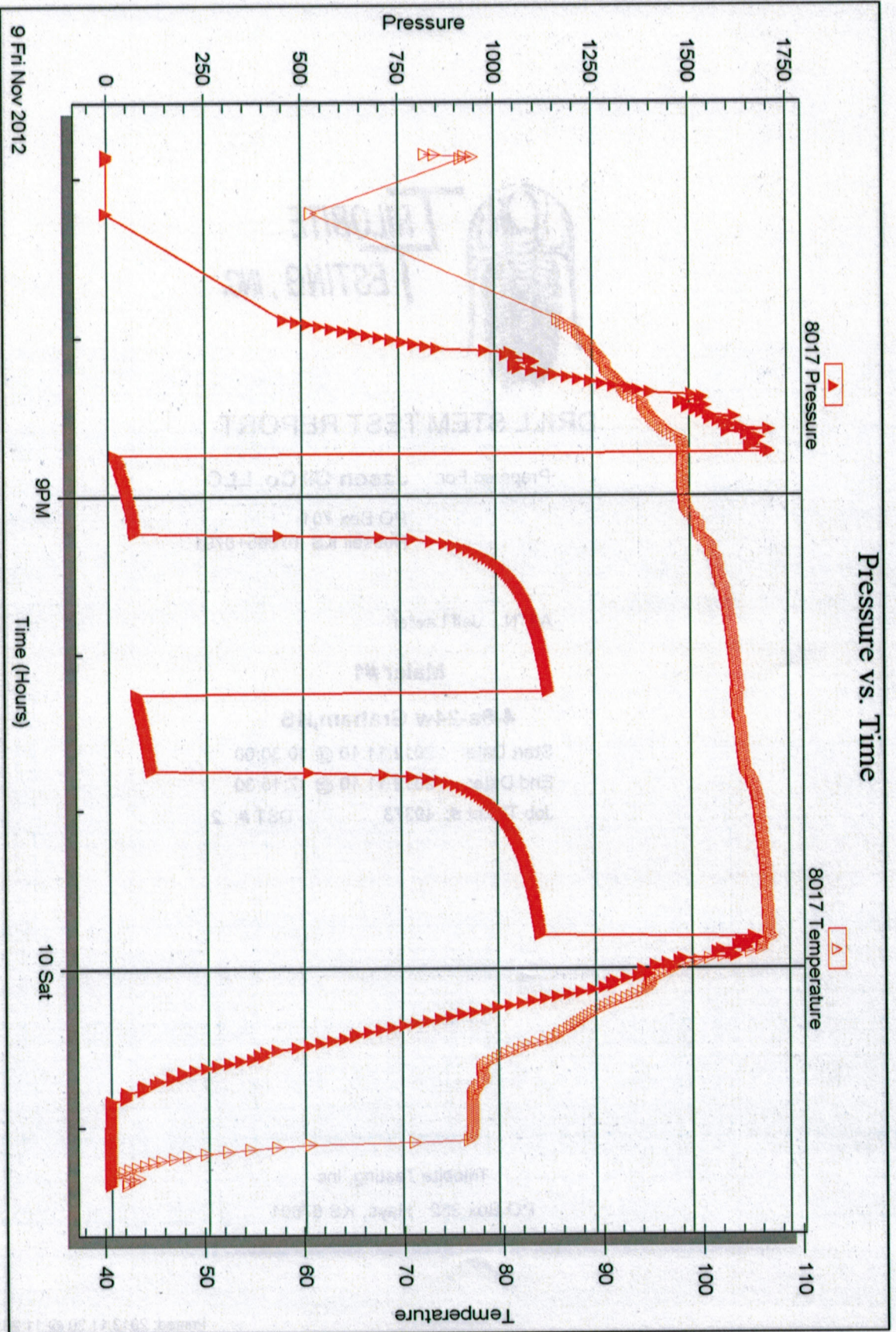
Inside

Jason Oil Co. LLC

Well #1

DST Test Number: 1

### Pressure vs. Time



**TRILOBITE**  
**TESTING, INC.**



**DRILL STEM TEST REPORT**

Prepared For: **Jason Oil Co. LLC**

PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

**Maier #1**

**4-8s-24w Graham,KS**

Start Date: 2012.11.10 @ 10:30:00

End Date: 2012.11.10 @ 17:15:30

Job Ticket #: 49373  
DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Jason Oil Co. LLC  
PO Box 701  
Russell KS 67665+0701  
ATTN: Jeff Lawler

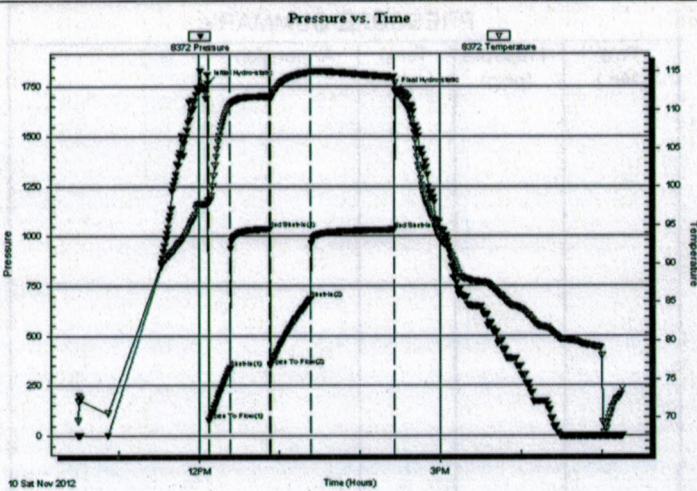
**4-8s-24w Graham, KS**  
**Maier #1**  
Job Ticket: 49373      **DST#: 2**  
Test Start: 2012.11.10 @ 10:30:00

## GENERAL INFORMATION:

Formation: **LKC"C-D"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:07:40  
Time Test Ended: 17:15:30  
Interval: **3636.00 ft (KB) To 3678.00 ft (KB) (TVD)**  
Total Depth: 3678.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 2360.00 ft (KB)  
2352.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8372**      **Outside**  
Press@RunDepth: 682.33 psig @ 3641.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.11.10      End Date: 2012.11.10      Last Calib.: 2012.11.10  
Start Time: 10:30:05      End Time: 17:15:29      Time On Btm: 2012.11.10 @ 12:06:50  
Time Off Btm: 2012.11.10 @ 14:26:20

**TEST COMMENT:** IF:(15min) BOB 2 min.  
IS:(30min) No Return  
FF:(30min) BOB 3 min.  
FSI:(60min) Return surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.34	98.15	Initial Hydro-static
1	77.16	97.93	Open To Flow (1)
17	337.56	110.66	Shut-In(1)
46	1036.26	111.77	End Shut-In(1)
47	346.20	111.54	Open To Flow (2)
77	682.33	114.95	Shut-In(2)
139	1032.19	114.31	End Shut-In(2)
140	1726.29	113.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1005.00	MW m=tr w=100%	13.83
380.00	GOSMW g=5% o=3% m=12% w=80%	5.33
40.00	GOCWM g=5% o=10% w=40% m=45%	0.56
25.00	GO g=10% o=90%	0.35

\* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

**Maier #1**  
 4-8s-24w Graham, KS  
 Job Ticket: 49373  
 DST#: 2  
 Test Start: 2012.11.10 @ 10:30:00

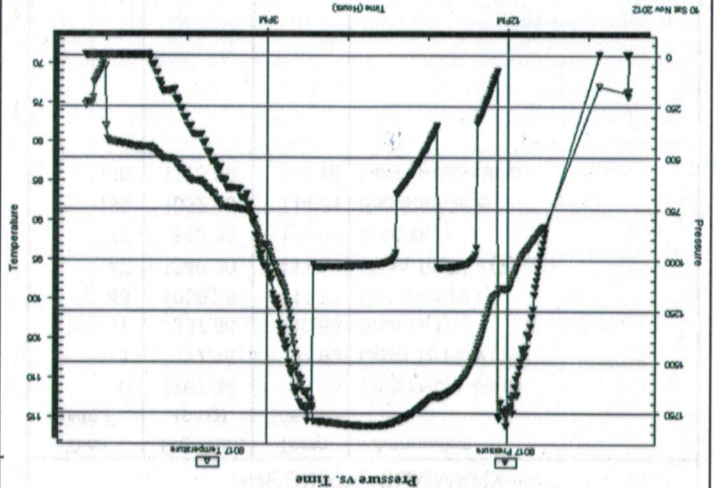
## GENERAL INFORMATION:

Formation: LKC"C-D"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:07:40  
 Time Test Ended: 17:15:30  
 Interval: 3636.00 ft (KB) To 3678.00 ft (KB) (TVD)  
 Total Depth: 3678.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inchesHole Condition: Fair  
 Serial #: 8017  
 Inside  
 Press@RunDepth: psig @ 3641.00 ft (KB)  
 Start Date: 2012.11.10  
 End Date: 2012.11.10  
 End Time: 10:30:05  
 Start Time: 17:15:29  
 Time On Btm: 17:15:29  
 Time Off Btm:  
 Capacity: 8000.00 psig  
 Last Callb.: 2012.11.10  
 Reference Elevations: 2360.00 ft (KB)  
 2352.00 ft (CF)  
 8.00 ft  
 KB to GR/CF:  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39

## TEST COMMENT:

IF:(15min) BOB 2 min.  
 IS:(30min) No Return  
 FF:(30min) BOB 3 min.  
 FS:(60min) Return surface blow

## PRESSURE SUMMARY



## Recovery

Length (ft)	Description	Volume (bbl)
1005.00	MW m=tr w=100%	13.83
380.00	GOSMW g=5% o=3% m=12% w=80%	5.33
40.00	GOCMM g=5% o=10% w=40% m=45%	0.56
25.00	GO g=10% o=90%	0.35

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Jason Oil Co. LLC

**4-8s-24w Graham, KS**

PO Box 701  
Russell KS 67665+0701

**Maier #1**

Job Ticket: 49373

**DST#: 2**

ATTN: Jeff Lawler

Test Start: 2012.11.10 @ 10:30:00

**Tool Information**

Drill Pipe:	Length: 3607.00 ft	Diameter: 3.80 inches	Volume: 50.60 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 29.21 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 52000.00 lb
		<b>Total Volume:</b>	<b>50.74 bbl</b>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	20.21 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3636.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3617.00	
Shut In Tool	5.00			3622.00	
Hydraulic tool	5.00			3627.00	
Packer	5.00			3632.00	20.00 Bottom Of Top Packer
Packer	4.00			3636.00	
Stubb	1.00			3637.00	
Perforations	3.00			3640.00	
Change Over Sub	1.00			3641.00	
Recorder	0.00	8017	Inside	3641.00	
Recorder	0.00	8372	Outside	3641.00	
Drill Pipe	31.00			3672.00	
Change Over Sub	1.00			3673.00	
Perforations	2.00			3675.00	
Bullnose	3.00			3678.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 62.00**



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701

ATTN: Jeff Lawler  
 Test Start: 2012.11.10 @ 10:30:00

Maier #1  
 Job Ticket: 49373  
 DST#: 2

4-8s-24w Graham, KS

**Mud and Cushion Information**

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 52.00 sec/qt  
 Water Loss: 7.55 in<sup>2</sup>  
 Resistivity: ohm.m  
 Salinity: 1000.00 ppm  
 Filter Cake: inches

Cushion Type: Oil API  
 Cushion Length: ft  
 Cushion Volume: bbl  
 Gas Cushion Pressure: psig  
 Gas Cushion Type:  
 Water Salinity: 60000 ppm  
 deg API

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
1005.00	MV m=tr w=100%	13.831
380.00	GOSMV g=5% o=3% m=12% w=80%	5.330
40.00	GOCMM g=5% o=10% w=40% m=45%	0.561
25.00	GO g=10% o=90%	0.351

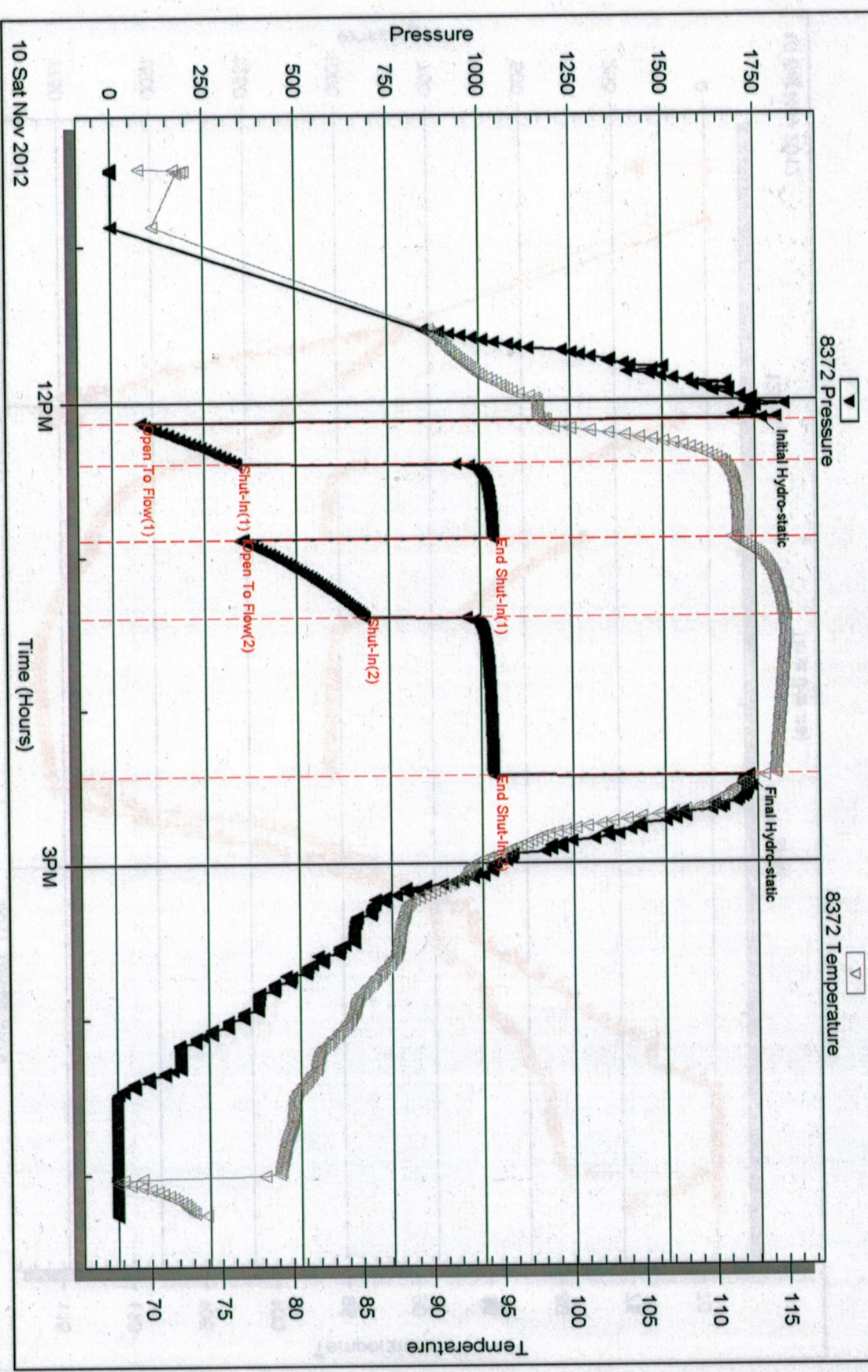
Total Length: 1450.00 ft  
 Total Volume: 20.073 bbl

Num Fluid Samples: 0  
 Num Gas Bombs: 0  
 Serial #:

Laboratory Name:  
 Laboratory Location:

Recovery Comments:

### Pressure vs. Time



Serial #: 8017

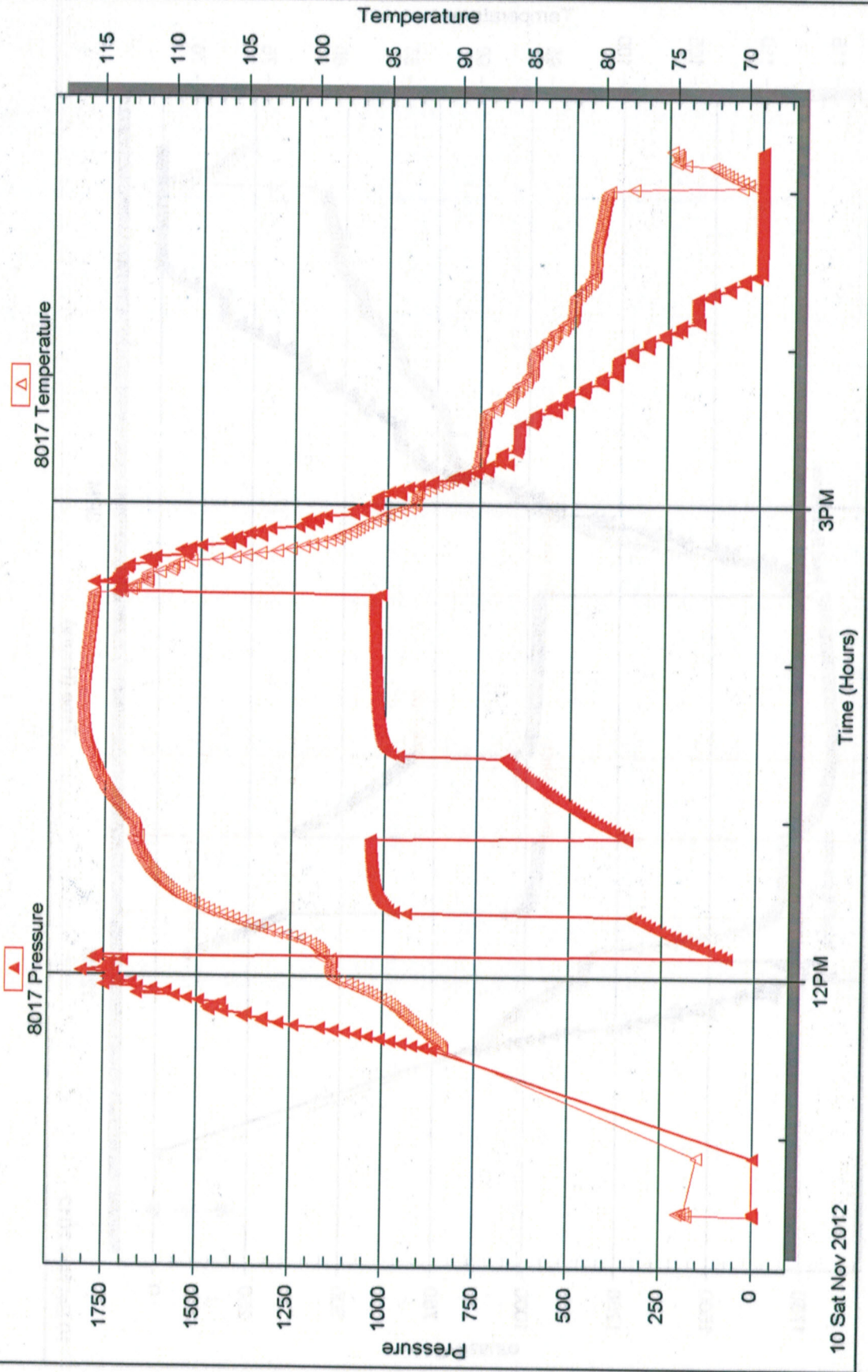
Inside

Jason Oil Co. LLC

Maier #1

DST Test Number: 2

### Pressure vs. Time



Ref. No: 49373

Trilobite Testing, Inc

Printed: 2012.11.20 @ 11:26:23





**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Jason Oil Co. LLC**

PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

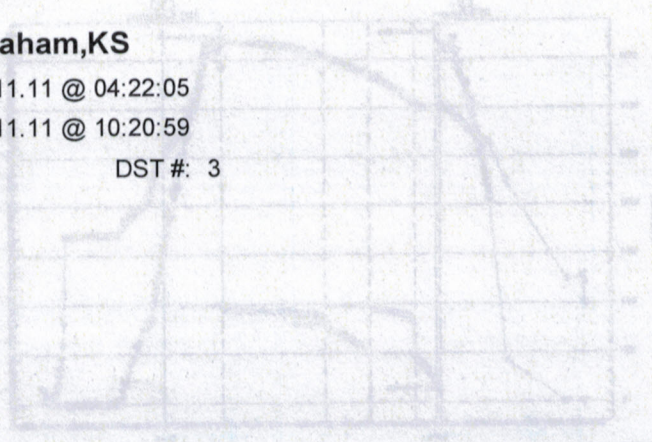
**Maier #1**

**4-8s-24w Graham,KS**

Start Date: 2012.11.11 @ 04:22:05

End Date: 2012.11.11 @ 10:20:59

Job Ticket #: 49374      DST #: 3



Trilobite Testing, Inc.

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Jason Oil Co. LLC 4-8s-24w Graham,KS Maier #1 DST # 3 LKC"H-I" 2012.11.11

# DRILL STEM TEST REPORT



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

**Maier #1**  
 4-8s-24w Graham, KS  
 Job Ticket: 49374  
 DST#: 3  
 Test Start: 2012.11.11 @ 04:22:05

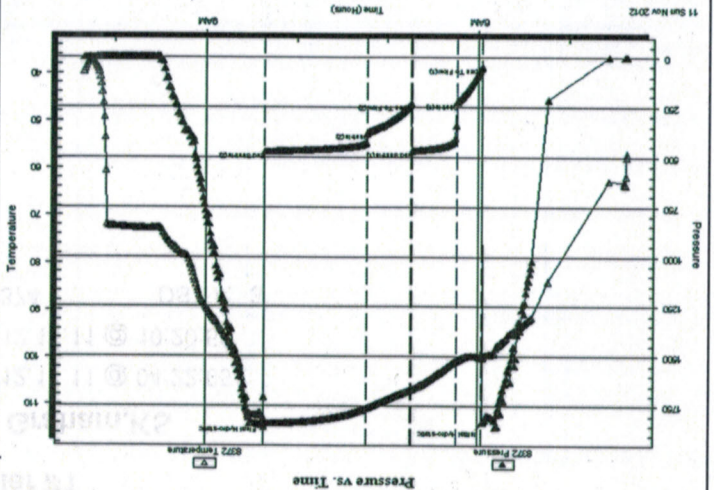
## GENERAL INFORMATION:

Formation: LKC"H-I"  
 Deviated: No  
 Whipstock: No  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39  
 Interval: 3724.00 ft (KB) To 3770.00 ft (KB) (TVD)  
 Total Depth: 3770.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inchesHole Condition: Fair  
 KB to GR/CF: 8.00 ft

**Serial #: 8372**  
 Outside  
 Press@RunDepth: 376.75 psig @ 3731.00 ft (KB)  
 End Date: 2012.11.11  
 End Time: 04:22:05  
 Start Date: 2012.11.11  
 Start Time: 04:22:05  
 Capacity: 8000.00 psig  
 Last Callb: 2012.11.11  
 Time On Btm: 2012.11.11 @ 05:56:30  
 Time Off Btm: 2012.11.11 @ 08:21:30  
**TEST COMMENT:** IF:(15min) BOB 2 min.  
 IS:(30min) No Return  
 FF:(30min) BOB 4 min  
 FSI:(60min) No Return

## PRESSURE SUMMARY

Annotation	Temp (deg F)	Pressure (psig)	Time (Min.)
Initial Hydro-static	99.87	1830.47	0
Open To Flow (1)	99.08	49.06	1
Shut-in(1)	100.70	227.85	18
End Shut-in(1)	106.87	469.18	48
Open To Flow (2)	106.76	233.72	48
Shut-in(2)	110.80	376.75	78
End Shut-in(2)	114.05	472.32	145
Final Hydro-static	114.46	1811.44	145



## Recovery

Length (ft)	Description	Volume (bbl)	MMV m=1r w =100%	CO o=100%
785.00		10.75		
1.00		0.01		

\* Recovery from multiple tests

## Gas Rates

Gas Rate (Mcfd)	Pressure (psig)	Choke (Inches)



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Jason Oil Co. LLC  
PO Box 701  
Russell KS 67665+0701  
ATTN: Jeff Lawler

**4-8s-24w Graham,KS**  
**Maier #1**  
Job Ticket: 49374      **DST#: 3**  
Test Start: 2012.11.11 @ 04:22:05

### GENERAL INFORMATION:

Formation: **LKC"H-I"**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 05:57:30  
Time Test Ended: 10:20:59

Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39

Interval: **3724.00 ft (KB) To 3770.00 ft (KB) (TVD)**  
Total Depth: 3770.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2360.00 ft (KB)  
2352.00 ft (CF)  
KB to GR/CF: 8.00 ft

### Serial #: 8017

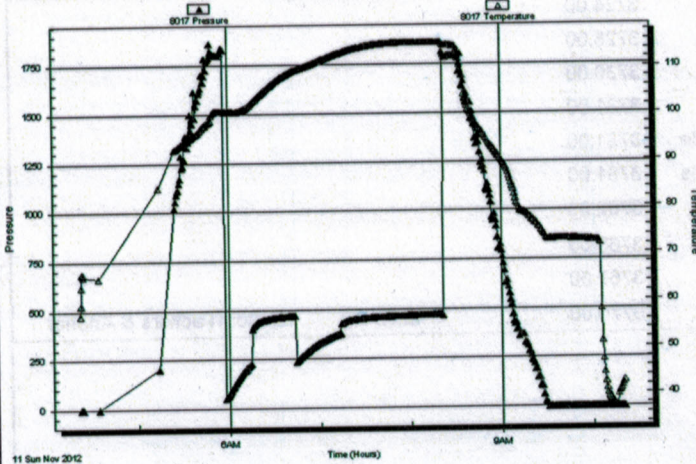
Inside

Press@RunDepth:      psig @ 3731.00 ft (KB)  
Start Date: 2012.11.11      End Date: 2012.11.11  
Start Time: 04:22:05      End Time: 10:20:59

Capacity: 8000.00 psig  
Last Calib.: 2012.11.11  
Time On Btm:  
Time Off Btm:

TEST COMMENT: IF:(15min) BOB 2 min.  
ISl:(30min) No Return  
FF:(30min) BOB 4 min.  
FSl:(60min) No Return

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
785.00	MV m=tr w =100%	10.75
1.00	CO o=100%	0.01

\* Recovery from multiple tests

### Gas Rates

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



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

4-8s-24w Graham, KS  
 Maier #1  
 Job Ticket: 49374  
 DST#: 3  
 Test Start: 2012.11.11 @ 04:22:05

# DRILL STEM TEST REPORT

## TOOL DIAGRAM

### Tool Information

Drill Pipe: Length: 3705.00 ft Diameter: 3.80 inches Volume: 51.97 bbl  
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl  
 Drill Collar: Length: 29.21 ft Diameter: 2.25 inches Volume: 0.14 bbl  
 Drill Pipe Above KB: 30.21 ft  
 Depth to Top Packer: 3724.00 ft  
 Depth to Bottom Packer: ft  
 Interval between Packers: 46.00 ft  
 Tool Length: 66.00 ft  
 Number of Packers: 2 Diameter: 6.75 inches  
 Tool Comments:

Tool Weight: 2500.00 lb  
 Weight set on Packer: 24000.00 lb  
 Weight to Pull Loose: 54000.00 lb  
 Tool Chased: 0.00 ft  
 String Weight: Initial 40000.00 lb  
 Final 44000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3705.00	
Shut In Tool	5.00			3710.00	
Hydraulic tool	5.00			3715.00	
Packer	5.00			3720.00	
Packer	4.00			3724.00	
Stubb	1.00			3725.00	
Perforations	5.00			3730.00	
Change Over Sub	1.00			3731.00	
Recorder	0.00	8017	Inside	3731.00	
Recorder	0.00	8372	Outside	3731.00	
Drill Pipe	31.00			3762.00	
Change Over Sub	1.00			3763.00	
Perforations	4.00			3767.00	
Bullnose	3.00			3770.00	
					<b>Total Tool Length: 66.00</b>
Packer	20.00				Bottom Of Top Packer
Bottom Packers & Anchor	46.00				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Co. LLC

4-8s-24w Graham, KS

PO Box 701  
Russell KS 67665+0701

Maier #1

Job Ticket: 49374

DST#: 3

ATTN: Jeff Lawler

Test Start: 2012.11.11 @ 04:22:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

43000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
785.00	MW m=tr w =100%	10.745
1.00	CO o=100%	0.014

Total Length: 786.00 ft

Total Volume: 10.759 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8372

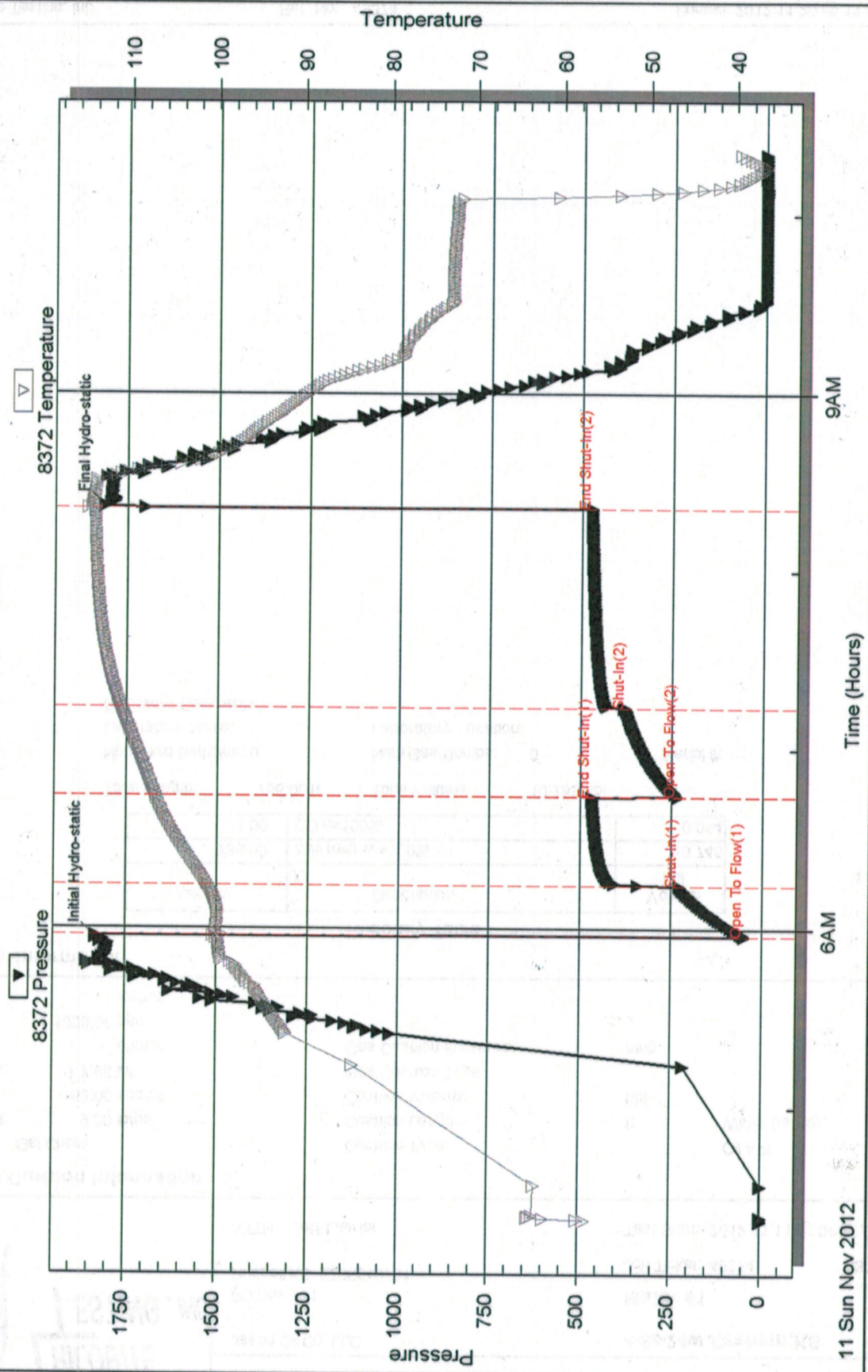
Outside

Jason Oil Co. LLC

Maier #1

DST Test Number: 3

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 49374

Printed: 2012.11.20 @ 11:25:06

Serial #: 8017

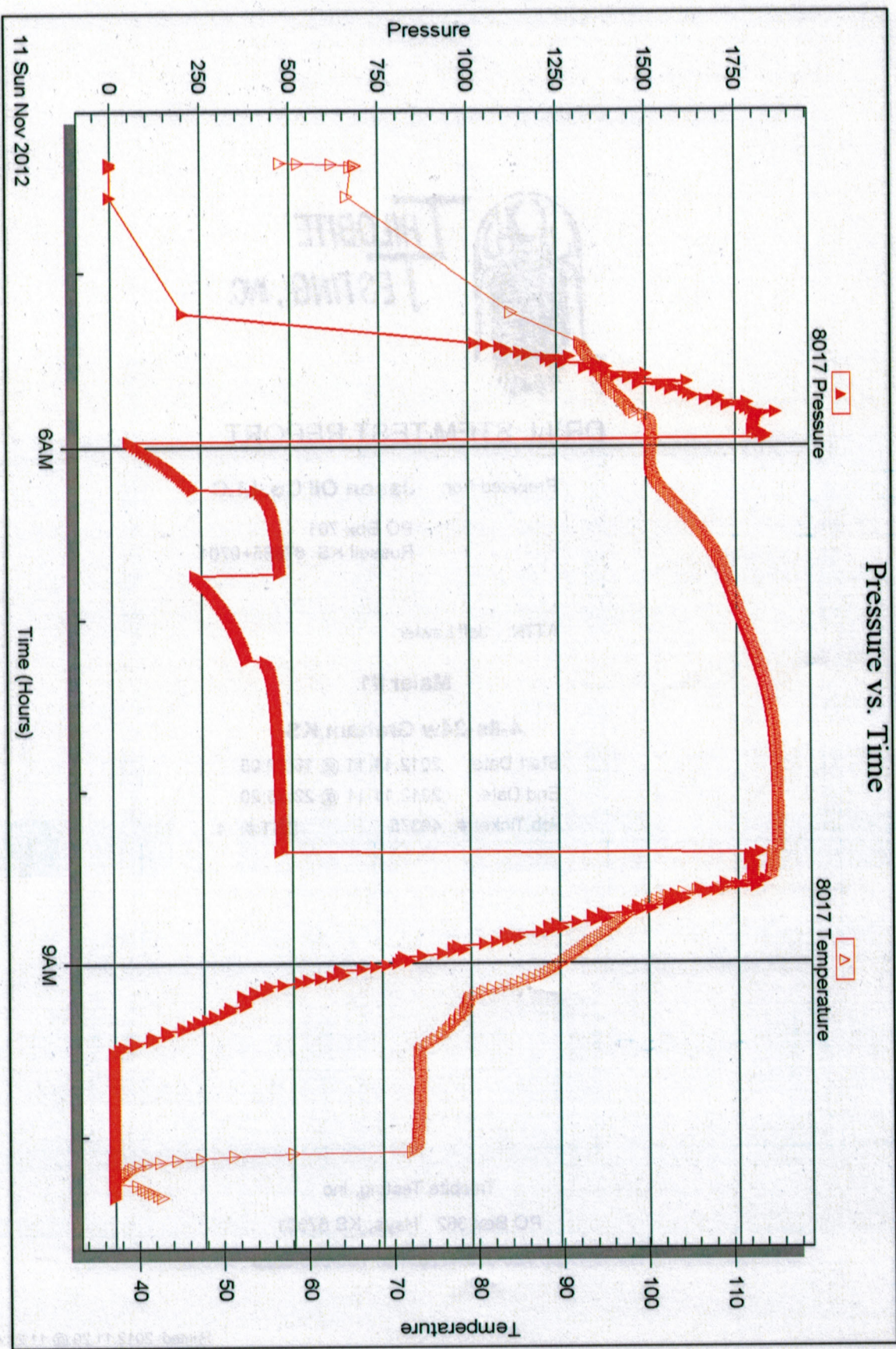
Inside

Jason Oil Co. LLC

Meier #1

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49374

Printed: 2012.11.20 @ 11:25:07

Jason Oil Co. LLC 4-8s-24w Graham, KS Maier #1 DST # 4 LKC-J-K 2012.11.11

**TRILOBITE**  
TESTING, INC.



**DRILL STEM TEST REPORT**

Prepared For: **Jason Oil Co. LLC**

PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

**Maier #1**

**4-8s-24w Graham,KS**

Start Date: 2012.11.11 @ 18:20:05

End Date: 2012.11.11 @ 22:35:20

Job Ticket #: 49375 DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Jason Oil Co. LLC  
PO Box 701  
Russell KS 67665+0701  
ATTN: Jeff Lawler

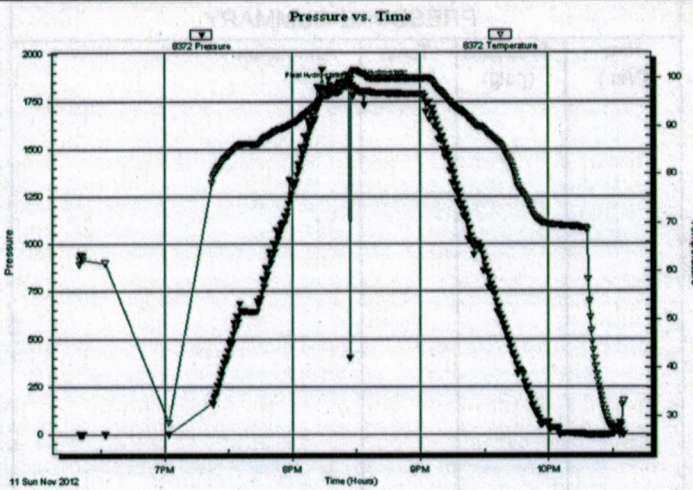
**4-8s-24w Graham, KS**  
**Maier #1**  
Job Ticket: 49375      **DST#: 4**  
Test Start: 2012.11.11 @ 18:20:05

## GENERAL INFORMATION:

Formation: **LKC"J-K"**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened:  
Time Test Ended: 22:35:20  
Interval: **3769.00 ft (KB) To 3810.00 ft (KB) (TVD)**  
Total Depth: 3810.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 2360.00 ft (KB)  
2352.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8372**      **Outside**  
Press@RunDepth:      psig @ 3774.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.11.11      End Date: 2012.11.11      Last Calib.: 2012.11.11  
Start Time: 18:20:05      End Time: 22:35:20      Time On Btm: 2012.11.11 @ 20:23:20  
Time Off Btm: 2012.11.11 @ 20:27:20

TEST COMMENT: Misrun- Packer Failure



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1845.56	97.26	Initial Hydro-static
4	1832.18	99.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling Mud	1.14

\* Recovery from multiple tests

## Gas Rates

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

# DRILL STEM TEST REPORT



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

4-8s-24w Graham, KS  
 Mater #1  
 Job Ticket: 49375  
 DST#: 4  
 Test Start: 2012.11.11 @ 18:20:05

## GENERAL INFORMATION:

Formation: LKC"J-K"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:35:20  
 Interval: 3769.00 ft (KB) To 3810.00 ft (KB) (TVD)  
 Total Depth: 3810.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inchesHole Condition: Fair  
 Reference Elevations: 2360.00 ft (KB)  
 2352.00 ft (CF)  
 8.00 ft  
 KB to GR/CF:

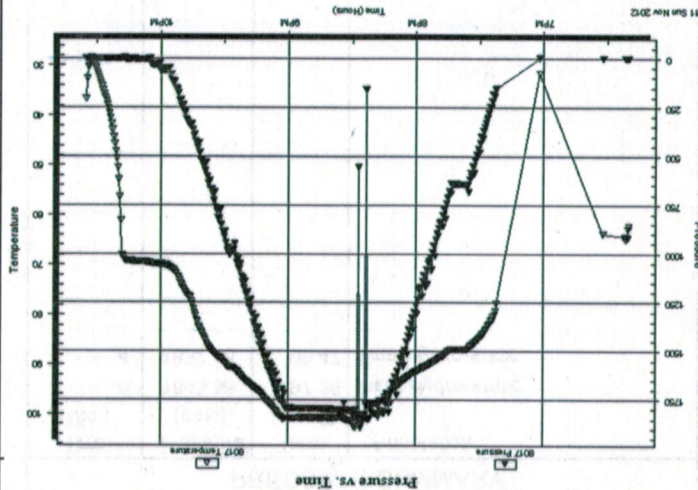
## TEST COMMENT:

Misrun- Packer Failure

Serial #: 8017  
 Inside  
 Press@RunDepth: psig @ 3774.00 ft (KB)  
 Start Date: 2012.11.11  
 End Date: 2012.11.11  
 Start Time: 18:20:05  
 End Time: 22:35:20  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.11.11  
 Time On Btm: 22:35:20  
 Time Off Btm:

## PRESSURE SUMMARY

Time (Min.)  
 Pressure (psig)  
 Temp (deg F)  
 Annotation



## Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling Mud	1.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Jason Oil Co. LLC

4-8s-24w Graham,KS

PO Box 701  
Russell KS 67665+0701

Maier #1

Job Ticket: 49375

DST#: 4

ATTN: Jeff Lawler

Test Start: 2012.11.11 @ 18:20:05

**Tool Information**

Drill Pipe:	Length: 3735.00 ft	Diameter: 3.80 inches	Volume: 52.39 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 29.21 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 42000.00 lb
			<b>Total Volume: 52.53 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.21 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3769.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Geo Requested 1 packer only

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3755.00		
Shut In Tool	5.00			3760.00		
Hydraulic tool	5.00			3765.00		
Packer	4.00			3769.00	15.00	Bottom Of Top Packer
Stubb	1.00			3770.00		
Perforations	3.00			3773.00		
Change Over Sub	1.00			3774.00		
Recorder	0.00	8017	Inside	3774.00		
Recorder	0.00	8372	Outside	3774.00		
Drill Pipe	31.00			3805.00		
Change Over Sub	1.00			3806.00		
Perforations	1.00			3807.00		
Bullnose	3.00			3810.00	41.00	Anchor Tool

**Total Tool Length: 56.00**



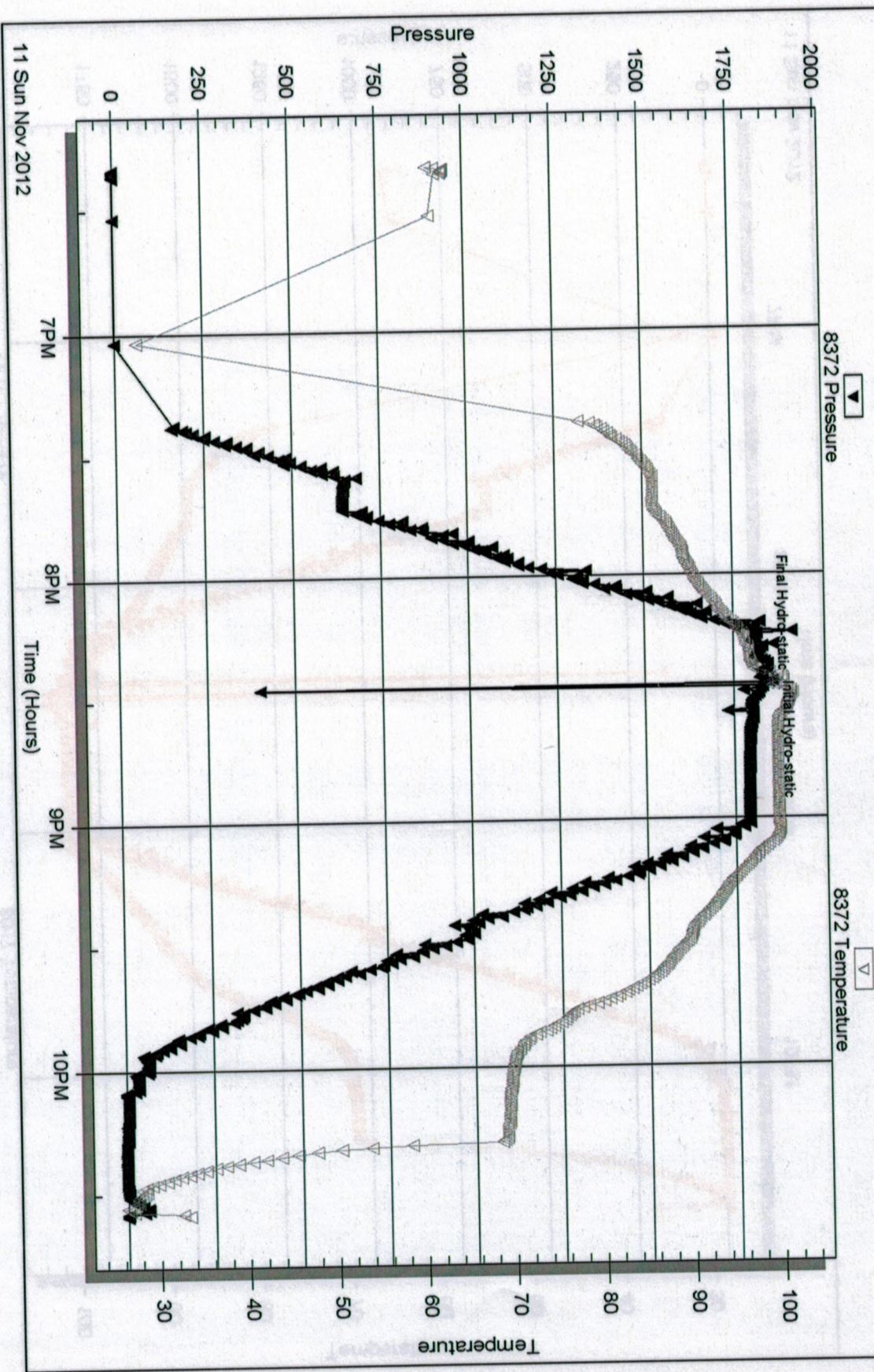
Serial #: 8372

Outside Jason Oil Co. LLC

Meier #1

DST Test Number: 4

### Pressure vs. Time



Serial #: 8017

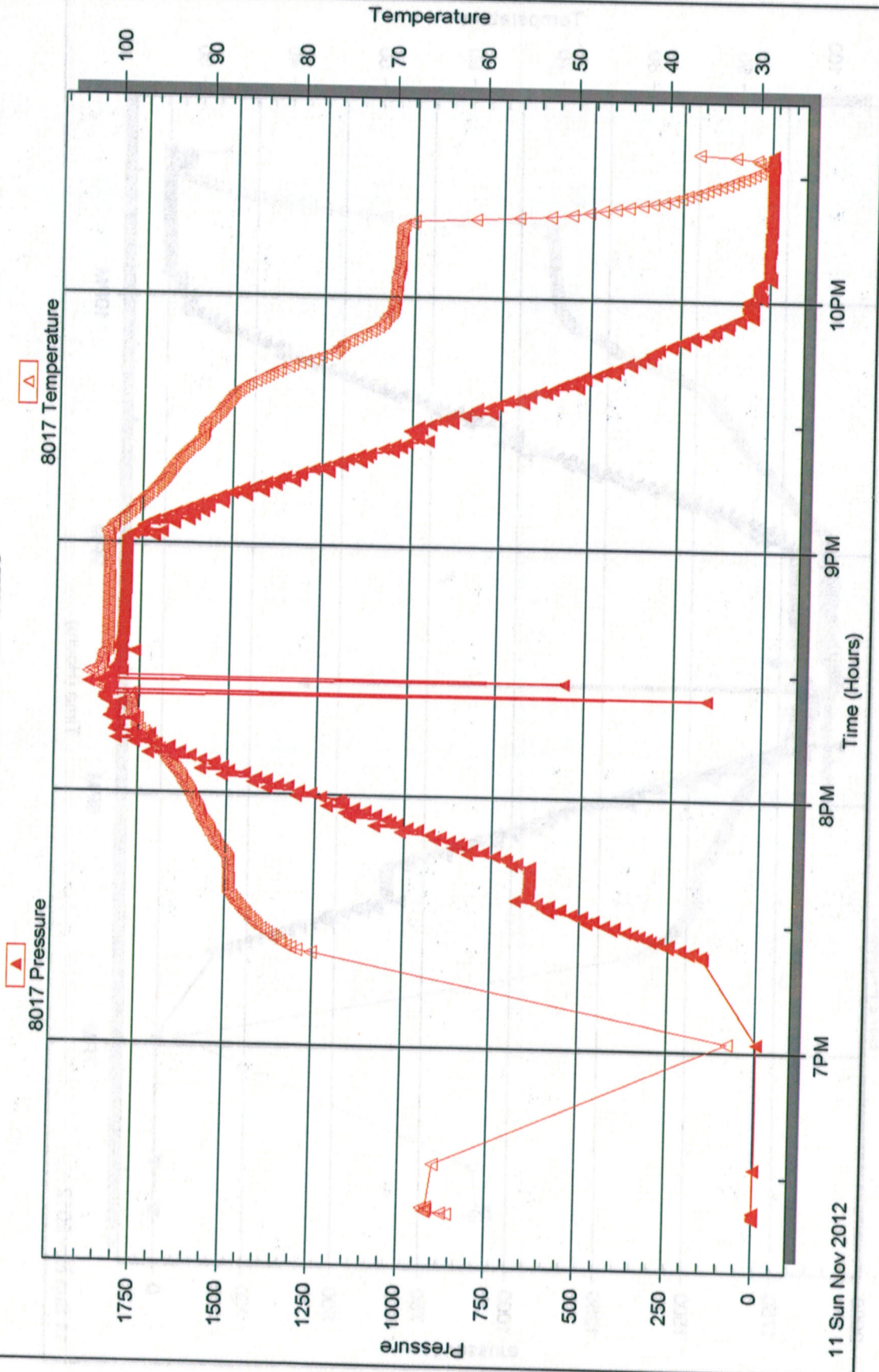
Inside

Jason Oil Co. LLC

Maier #1

DST Test Number: 4

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 49375

Printed: 2012.11.20 @ 11:23:49



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Jason Oil Co. LLC**

PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

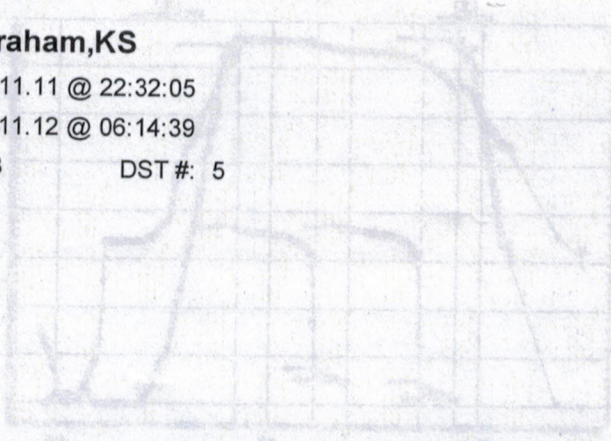
**Maier #1**

**4-8s-24w Graham,KS**

Start Date: 2012.11.11 @ 22:32:05

End Date: 2012.11.12 @ 06:14:39

Job Ticket #: 50753      DST #: 5



**PRESSURE SUMMARY**

Time	Pressure (psi)	Flow (gpm)
10:00	102.00	10.00
10:05	101.50	10.00
10:10	101.00	10.00
10:15	100.50	10.00
10:20	100.00	10.00
10:25	99.50	10.00
10:30	99.00	10.00
10:35	98.50	10.00
10:40	98.00	10.00
10:45	97.50	10.00
10:50	97.00	10.00
10:55	96.50	10.00
11:00	96.00	10.00
11:05	95.50	10.00
11:10	95.00	10.00
11:15	94.50	10.00
11:20	94.00	10.00
11:25	93.50	10.00
11:30	93.00	10.00
11:35	92.50	10.00
11:40	92.00	10.00
11:45	91.50	10.00
11:50	91.00	10.00
11:55	90.50	10.00
12:00	90.00	10.00

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Jason Oil Co. LLC  
4-8s-24w Graham,KS  
Maier #1  
DST # 5  
LKC"J-K"  
2012.11.11

# DRILL STEM TEST REPORT



Jason Oil Co. LLC  
 PO Box 701  
 Russell KS 67665+0701  
 ATTN: Jeff Lawler

4-8s-24w Graham, KS  
 Maier #1  
 Job Ticket: 50753  
 DST#: 5  
 Test Start: 2012.11.11 @ 22:32:05

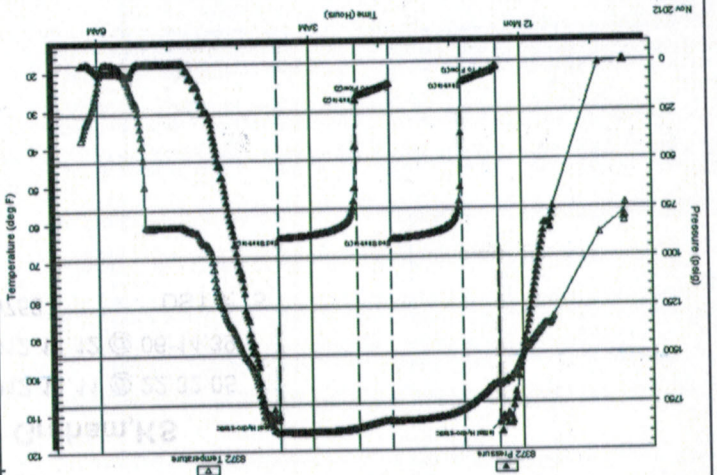
## GENERAL INFORMATION:

Formation: LKC"J-K"  
 Deviated: No Whipslock:  
 Time Tool Opened: 00:20:30  
 Time Test Ended: 06:14:39  
 Interval: 3767.00 ft (KB) To 3810.00 ft (KB) (TVD)  
 Total Depth: 3810.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inchesHole Condition: Fair  
 Reference Elevations: 2360.00 ft (KB)  
 2352.00 ft (CF)  
 8.00 ft  
 KB to GR/CF:

Serial #: 8372  
 Outside  
 Press@RunDepth: 168.27 psig @ 3774.00 ft (KB)  
 End Date: 2012.11.11  
 End Time: 22:32:05  
 Start Date: 2012.11.11  
 Start Time: 06:14:40  
 Capacity: 8000.00 psig  
 Last Callb: 2012.11.12  
 Time On Btm: 2012.11.12 @ 00:20:10  
 Time Off Btm: 2012.11.12 @ 03:28:09

TEST COMMENT: IF:(30min) BOB 10 min.  
 IS:(60min) Return surface blow.  
 FF:(30min) BOB 13 min.  
 FS:(60min) Return surface blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1851.57	102.92	Initial Hydro-static
1	23.54	101.92	Open To Flow (1)
31	102.29	109.28	Shut-In(1)
92	906.47	112.30	End Shut-In(1)
92	107.75	112.02	Open To Flow (2)
121	168.27	113.85	Shut-In(2)
188	898.33	114.99	End Shut-In(2)
188	1806.82	115.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bb)
125.00	NW m=10% w=90%	1.49
65.00	GHOCMV g=20% o=25% m=20% w=35% o.91	2.31
165.00	GO g=20% o=80%	0.00
0.00	GIP= 150 ft	

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Jason Oil Co. LLC  
PO Box 701  
Russell KS 67665+0701  
ATTN: Jeff Lawler

**4-8s-24w Graham,KS**

**Maier #1**

Job Ticket: 50753 DST#: 5

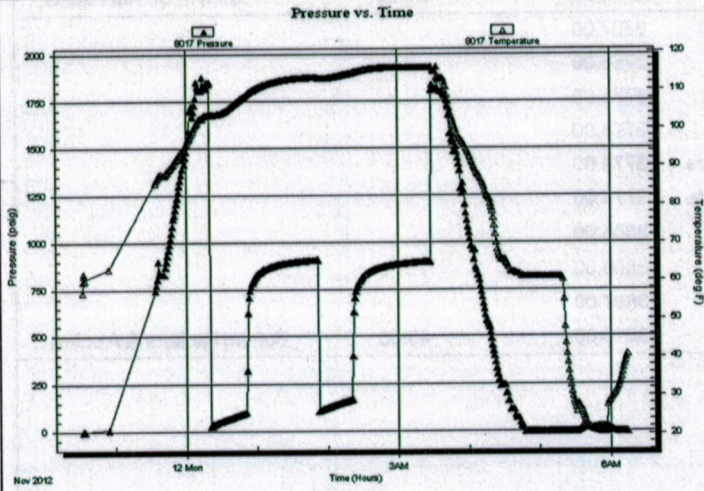
Test Start: 2012.11.11 @ 22:32:05

**GENERAL INFORMATION:**

Formation: LKC"J-K"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 00:20:30  
Time Test Ended: 06:14:39  
Interval: 3767.00 ft (KB) To 3810.00 ft (KB) (TVD)  
Total Depth: 3810.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 2360.00 ft (KB)  
2352.00 ft (CF)  
KB to GR/CF: 8.00 ft

**Serial #: 8017** Inside  
Press@RunDepth: psig @ 3774.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2012.11.11 End Date: 2012.11.12 Last Calib.: 2012.11.12  
Start Time: 22:32:05 End Time: 06:14:50 Time On Btm:  
Time Off Btm:

TEST COMMENT: IF:(30min) BOB 10 min.  
ISl:(60min) Return surface blow.  
FF:(30min) BOB 13 min.  
FSl:(60min) Return surface blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
125.00	MW m=10% w =90%	1.49
65.00	GHOCMW g=20% o=25% m=20% w =35% 0.91	0.91
165.00	GO g=20% o=80%	2.31
0.00	GIP= 150 ft	0.00

**Gas Rates**

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



**TRILOBITE**  
TESTING, INC.

Jason Oil Co. LLC

PO Box 701  
Russell KS 67665+0701

ATTN: Jeff Lawler

4-8s-24w Graham, KS

Maier #1

Job Ticket: 50753

DST#: 5

Test Start: 2012.11.11 @ 22:32:05

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

**Tool Information**

Drill Pipe: Length: 3734.00 ft Diameter: 3.80 inches Volume: 52.38 bbl Tool Weight: 2500.00 lb  
 Heavy Wt. Pipe: Length: 0.00 ft Diameter: 2.70 inches Volume: 0.00 bbl Weight set on Packer: 24000.00 lb  
 Drill Collar: Length: 29.21 ft Diameter: 2.25 inches Volume: 0.14 bbl Tool Chased 0.00 ft  
 Drill Pipe Above KB: 16.21 ft  
 Depth to Top Packer: 3767.00 ft String Weight: Initial 40000.00 lb Final 42000.00 lb  
 Depth to Bottom Packer: ft  
 Interval between Packers: 43.00 ft  
 Tool Length: 63.00 ft  
 Number of Packers: 2 Diameter: 6.75 inches  
 Tool Comments:

**Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3748.00	
Shut In Tool	5.00			3753.00	
Hydraulic tool	5.00			3758.00	
Packer	5.00			3763.00	Bottom Of Top Packer 20.00
Packer	4.00			3767.00	
Stub	1.00			3768.00	
Perforations	5.00			3773.00	
Change Over Sub	1.00			3774.00	
Recorder	0.00	8017	Inside	3774.00	
Recorder	0.00	8372	Outside	3774.00	
Drill Pipe	31.00			3805.00	
Change Over Sub	1.00			3806.00	
Perforations	1.00			3807.00	
Bullnose	3.00			3810.00	
<b>Total Tool Length:</b>	<b>63.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Jason Oil Co. LLC

4-8s-24w Graham, KS

PO Box 701  
Russell KS 67665+0701

Maier #1

Job Ticket: 50753

DST#: 5

ATTN: Jeff Lawler

Test Start: 2012.11.11 @ 22:32:05

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 53.00 sec/qt  
Water Loss: 7.96 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1000.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 100000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MW m=10% w=90%	1.487
65.00	GHOCMW g=20% o=25% m=20% w=35%	0.912
165.00	GO g=20% o=80%	2.315
0.00	GIP= 150 ft	0.000

Total Length: 355.00 ft      Total Volume: 4.714 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

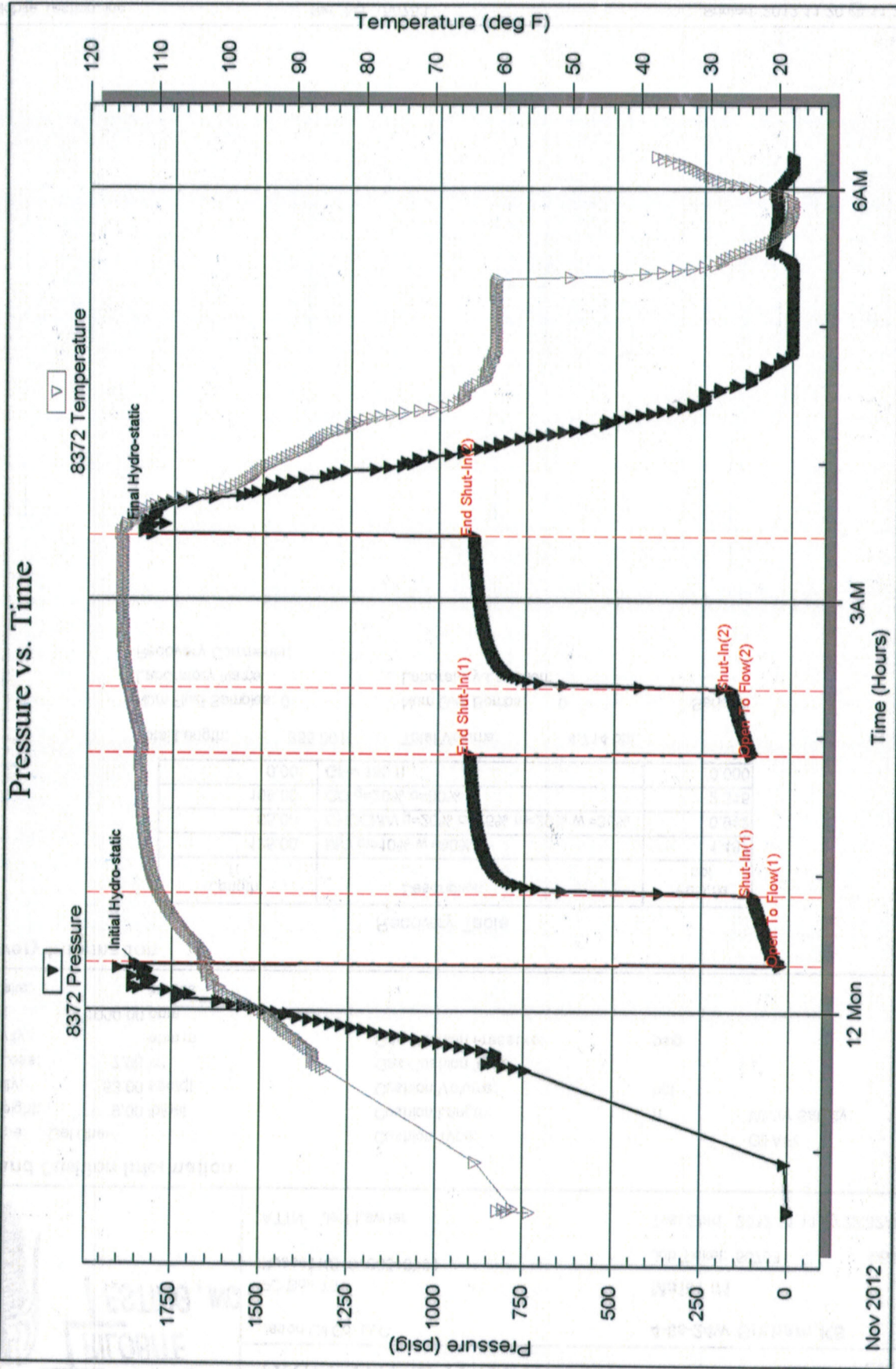
Serial #: 8372

Outside Jason Oil Co. LLC

Maier #1

DST Test Number: 5

# Pressure vs. Time



Printed: 2012.11.20 @ 11:22:47

Ref. No: 50753

Trilobite Testing, Inc

Serial #: 8017

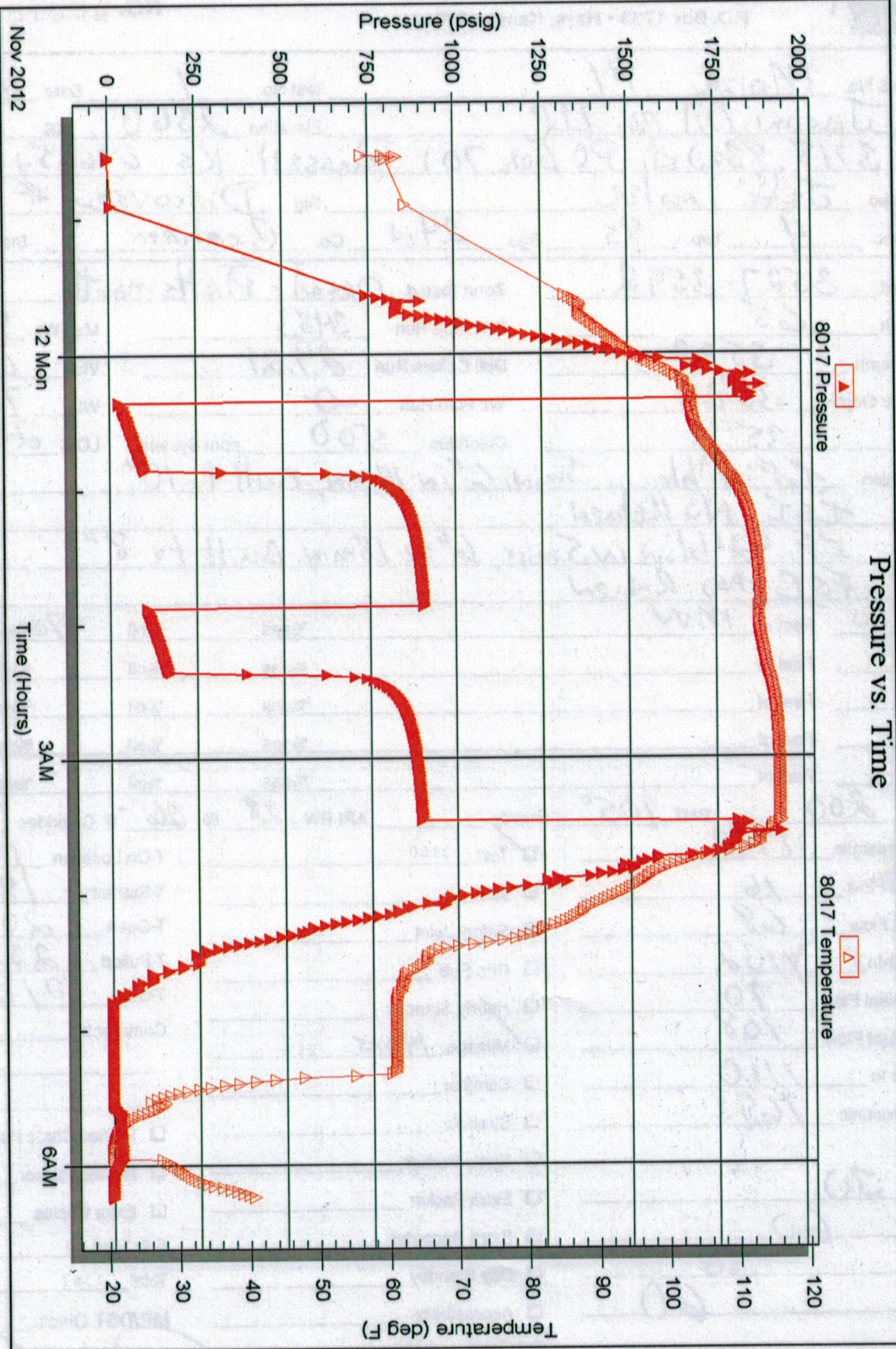
Inside

Jason Oil Co. LLC

Master #1

DST Test Number: 5

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 50753

Printed: 2012.11.20 @ 11:22:47



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49372

Well Name & No. Maria #1  
 Company JASON OIL CO. LLC  
 Address 3718 83rd St PO Box 701 Russell KS 67654-0701  
 Co. Rep / Geo. Jeff Lohr  
 Location: Sec. 4 Twp. 85 Rge. 24W Co. Geham State KS

Interval Tested	Anchor Length	Top Packer Depth	Bottom Packer Depth	Total Depth	Blow Description
3527-3592	65	3527	3527	3592	IF: 2" blow in 3 min, 6" in 14 min, built to 10" ISI: NO RETURN
					FF: 2' blow in 5 min, 6" in 18 min, built to 8" ISI: NO RETURN

Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	30% water

Rec Total 800 BHT 105° Gravity 1150 Test 1150  
 (A) Initial Hydrostatic 1742  
 (B) First Initial Flow 16  
 (C) First Final Flow 68  
 (D) Initial Shut-In 1132  
 (E) Second Initial Flow 70  
 (F) Second Final Flow 108  
 (G) Final Shut-In 1110  
 (H) Final Hydrostatic 1693

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 1367

MP/DST Disc't \_\_\_\_\_  
 Total 1367  
 Sub Total 0  
 Extra Copies  
 Ruined Packer  
 Ruined Shale Packer

MP/DST Disc't \_\_\_\_\_  
 Total \_\_\_\_\_  
 Sub Total \_\_\_\_\_  
 Accessibility  
 Day Standby  
 Extra Recorder  
 Extra Packer  
 Shale Packer  
 Straddle  
 Sampler  
 Mileage 14021 217  
 Hourly Standby  
 Circ Sub  
 Safety Joint  
 Jars  
 Test 1150

T-On Location 17:50  
 T-Started 18:51  
 T-Open 20:45  
 T-Pulled 23:45  
 T-Out 01:22

Comments \_\_\_\_\_  
 Our Representative [Signature]  
 Approved By \_\_\_\_\_  
 Triobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered 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 for whom a test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49373

Well Name & No. Maize #1 Test No. 2 Date 11-10-12  
 Company JASON OIL CO LLC Elevation 2360 KB 2352 GL  
 Address 3718 83rd St PO Box 701 Russell Ks. 67665-0701  
 Co. Rep / Geo. Jeff Lawler Rig Discovery 1  
 Location: Sec. 4 Twp. 8S Rge. 24W Co. Graham State Ks

Interval Tested 3636-3678 Zone Tested LKC "C-D"  
 Anchor Length 42' Drill Pipe Run 3607 Mud Wt. 8.6  
 Top Packer Depth 3631 Drill Collars Run 29.21 Vis 52  
 Bottom Packer Depth 3636 Wt. Pipe Run 0 WL 7.6  
 Total Depth 3678 Chlorides 1000 ppm System LCM 2#

Blow Description IF: BOB 2min  
ISI: NO Return  
FP: BOB 3min  
FST: ~~1005~~ Return surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>GO</u>	<u>10%</u>	<u>90%</u>		
<u>40</u>	<u>GOCWm</u>	<u>5%</u>	<u>10%</u>	<u>40%</u>	<u>45%</u>
<u>380</u>	<u>GOSMw</u>	<u>5%</u>	<u>3%</u>	<u>80%</u>	<u>12%</u>
<u>1005</u>	<u>MW</u>		<u>100%</u>		<u>Te</u>

Rec Total 1450 BHT 114° Gravity 35 API RW .125 @ 73 °F Chlorides 60000 ppm

(A) Initial Hydrostatic 1767  Test 1150 T-On Location 09:47  
 (B) First Initial Flow 77  Jars \_\_\_\_\_ T-Started 10:30  
 (C) First Final Flow 337  Safety Joint \_\_\_\_\_ T-Open 12:08  
 (D) Initial Shut-In 1036  Circ Sub \_\_\_\_\_ T-Pulled 14:23  
 (E) Second Initial Flow 346  Hourly Standby \_\_\_\_\_ T-Out 17:15  
 (F) Second Final Flow 682  Mileage 140RT 217 \_\_\_\_\_  
 (G) Final Shut-In 1032  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1726  Straddle \_\_\_\_\_

Initial Open 15  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Packer \_\_\_\_\_  
 Final Shut-In 60  Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1367  
 Sub Total 1367 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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**TRILOBITE TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

**Test Ticket**

NO. 49374

Well Name & No.	Maire #1		
Company	DASON OIL CO LLC		
Address	3718 83rd St PO Box 701 Russell KS 67665+0701		
Co. Rep / Geo.	DEE LAWLER		
Location: Sec.	Twp.	Rge.	Co.
	4	85	Graham
Test No.	3		
Date	11-11-82		
Elevation	8360		
KB	8352		
GL			

Interval Tested	3724 - 3770		
Anchor Length	46		
Top Packer Depth	3719		
Bottom Packer Depth	3724		
Total Depth	3770		
Blow Description	IF: 60B 2min ISI: No Return FF: 60B 4min FSI: No Return		
Zone Tested	LKC "H-I"		
Drill Pipe Run	3705		
Drill Collars Run	29.81		
Wt. Pipe Run	0		
Chlorides ppm System	1000		
LCM	1.5#		
Mud Wt.	9.2		
Vis	53		
WL	8.0		

Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water
Rec	Feet of	%gas	%oil	%water

Gravity	Test	1150
API RW	@	33
F Chlorides		43000 ppm
T-On Location		03:38
T-Started		04:22
T-Open		05:58
T-Pulled		08:13
T-Out		10:21
Comments		

Rec Total	786	BHT	114
(A) Initial Hydrostatic	1830		
(B) First Initial Flow	49		
(C) First Final Flow	227		
(D) Initial Shut-In	469		
(E) Second Initial Flow	233		
(F) Second Final Flow	376		
(G) Final Shut-In	472		
(H) Final Hydrostatic	1811		
Initial Open	30		
Initial Shut-In	30		
Final Flow	30		
Final Shut-In	60		
Sub Total	1367		
Total	1367		
MP/DST Disc'l			

Approved By \_\_\_\_\_  
 Our Representative \_\_\_\_\_  
 Triobite Testing Inc. shall not be liable for damaged or destroyed 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.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49375

Well Name & No. MAIER #1 Test No. 4 Date 11-11-12  
 Company JASON Oil Co. LLC Elevation 2360 KB 2352 GL  
 Address 3718 83rd St PO Box 701 Russell Ks. 67665-0701  
 Co. Rep / Geo. JEFF LAWLER Rig DISCOVERY 1  
 Location: Sec. 4 Twp. 8S Rge. 24W Co. Graham State KS

Interval Tested 3769-3810 Zone Tested LKC "J&K"  
 Anchor Length 41 Drill Pipe Run 3735 Mud Wt. 9.2  
 Top Packer Depth NONE Drill Collars Run 29:21 Vis 53  
 Bottom Packer Depth 3769 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3810 Chlorides 1000 ppm System LCM 1.5

Blow Description IF MISRUN  
IF Packer Failure!  
FF  
FSI

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>Drilling Mud</u>				

Rec Total 100' BHT 99° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1845  Test 950 T-On Location 17:08  
 (B) First Initial Flow  Jars T-Started 18:20  
 (C) First Final Flow  Safety Joint T-Open \_\_\_\_\_  
 (D) Initial Shut-In  Circ Sub T-Pulled 20:15  
 (E) Second Initial Flow  Hourly Standby T-Out 22:08  
 (F) Second Final Flow  Mileage 140ET 217 Comments RAW 1 packer -  
 (G) Final Shut-In  Sampler Geo requested  
 (H) Final Hydrostatic 1832  Straddle  Ruined Shale Packer

Initial Open \_\_\_\_\_  Shale Packer  
 Initial Shut-In \_\_\_\_\_  Extra Packer  
 Final Flow \_\_\_\_\_  Extra Recorder  
 Final Shut-In \_\_\_\_\_  Day Standby  
 Accessibility  
 Sub Total 1167 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket NO. 50753

Well Name & No. Maria #1  
 Company JASON OIL LLC  
 Address 3718 83rd St PO Box 701 Russell KS 67657 0701  
 Co. Rep / Geo. Jeff Lawler  
 Location: Sec. 4 Twp. 8S Rge. 24W Co. Graham State KS

Test No. 5 Date 11-11-12 Elevation 2360 KB 2352 GL  
 Discover #1

Interval Tested	Anchor Length	Top Packer Depth	Bottom Packer Depth	Total Depth	Blow Description
3767 - 3810	43'	3762	3767	3810	IF: BOB 10 min
Zone Tested	Drill Pipe Run	Drill Collars Run	WL Pipe Run	Chlorides ppm System	
LKC "J&K"	3734	29.21	0	1000	
Mud Wt.	9.2	53	8.0	LCM	1.5

IS: ~~Return~~ Return surface blow  
 FF: BOB 13 min  
 FSD: Return surface blow

Rec	Feet of	%gas	%oil	%water
Rec	165	20	80	
Rec	65	20	35	35
Rec	185	10	90	10
Rec	150			

Rec Total	BHT	Gravity	Test
355'	114°	33	1150

Final Shut-In	Final Flow	Initial Shut-In	Initial Open
60	30	60	30

Approved By \_\_\_\_\_  
 Our Representative \_\_\_\_\_  
 Sub Total 1150  
 Final Shut-In \_\_\_\_\_  
 Final Flow \_\_\_\_\_  
 Initial Shut-In \_\_\_\_\_  
 Initial Open \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  
 (F) Second Final Flow \_\_\_\_\_  
 (E) Second Initial Flow \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  
 (C) First Final Flow \_\_\_\_\_  
 (B) First Initial Flow \_\_\_\_\_  
 (A) Initial Hydrostatic \_\_\_\_\_

T-On Location \_\_\_\_\_  
 T-Started 22:32  
 T-Open 00:21  
 T-Pulled 03:21  
 T-Out 06:15  
 Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1150  
 MPDST Disc't \_\_\_\_\_  
 Sub Total 1150

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**QUALITY OILWELL CEMENTING, INC.**  
 PO BOX 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: [cementing@ruraltel.net](mailto:cementing@ruraltel.net)

Date: 11/18/2012  
 Invoice # 6202  
 P.O.#:  
 Due Date: 12/18/2012  
 Division: *Russell*

# Invoice

**Contact:**  
 Jason Oil Company  
**Address/Job Location:**  
 Jason Oil Company  
 P.O. BOX 701  
 Russell Ks 67665

**Reference:**  
 MAIER 1-1

**Description of Work:**  
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Cement Port Collar, 5 1/2"	1	\$ 2,714.29	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$177.54	No
Common-Class A	175	\$ 2,382.60	Yes				
Gilsonite	875	\$ 1,425.00	Yes				
5 1/2" Basket	2	\$ 499.43	Yes				
Bulk Truck Matl-Material Service Charge	199	\$ 432.11	No				
Mud Clear	500	\$ 401.71	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 332.23	Yes				
5 1/2" Turbolizer	5	\$ 314.86	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 303.39	No				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 243.20	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 10,445.09  
 Discount Available ONLY if Invoice is Paid & Received  
 within listed terms of invoice: \$ (1,566.76)

SubTotal for Taxable Items:	\$ 7,259.56
SubTotal for Non-Taxable Items:	\$ 1,618.77

7.55% Graham County Sales Tax

Total: \$ 8,878.33  
 Tax: \$ 548.10  
**Amount Due: \$ 9,426.43**  
**Applied Payments:**  
**Balance Due: \$ 9,426.43**

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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**QUALITY OILWELL CEMENTING, INC.**  
 PO BOX 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: [cementing@ruraltel.net](mailto:cementing@ruraltel.net)

Date: 11/8/2012  
 Invoice # 6166  
 P.O.#:  
 Due Date: 12/8/2012  
 Division: *Russell*

# Invoice

**Contact:**  
 Jason Oil Company  
**Address/Job Location:**  
 Jason Oil Company  
 P.O. BOX 701  
 Russell Ks 67665

**Reference:**  
 MAIER 1

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	150	\$ 2,042.23	Yes				
Bulk Truck Matl-Material Service Charge	158	\$ 343.09	No				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 303.39	No				
Calcium Chloride	5	\$ 258.73	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 177.54	No				
Premium Gel (Bentonite)	3	\$ 53.03	Yes				

**Invoice Terms:**

Net 30

	<i>SubTotal:</i>	\$	4,169.38
	<i>Discount Available ONLY if Invoice is Paid &amp; Received within listed terms of invoice:</i>	\$	(625.41)
<hr/>			
	SubTotal for Taxable Items:	\$	2,000.88
	SubTotal for Non-Taxable Items:	\$	1,543.09
<hr/>			
	Total:	\$	3,543.97
	Tax:	\$	151.07
	<hr/>		
	<b>Amount Due:</b>	<b>\$</b>	<b>3,695.04</b>

7.55% Graham County Sales Tax

**Thank You For Your Business!**

**Applied Payments:**  
**Balance Due: \$ 3,695.04**

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**QUALITY OILWELL CEMENTING, INC.**  
 PO BOX 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665  
 PHONE:785-324-1041 FAX:785-483-1087  
 EMAIL: [cementing@ruraltel.net](mailto:cementing@ruraltel.net)

**Date:** 1/2/2013  
**Invoice #** 6119  
**P.O.#:**  
**Due Date:** 2/1/2013  
**Division:** Russell

# Invoice

**Contact:**  
 Jason Oil Company  
**Address/Job Location:**  
 Jason Oil Company  
 P.O. BOX 701  
 Russell Ks 67665

**Reference:**  
 MAIER 1-1

**Description of Work:**  
 PORT COLLAR JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
non, MetsoBeads, Plater, Gel, FloSeal, Calcium)	250	\$ 5,189.71	Yes				
Bulk Truck Matl-Material Service Charge	400	\$ 868.57	No				
Flo Seal	200	\$ 434.29	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 303.39	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 177.54	No				

**Invoice Terms:**

Net 30

	<b>SubTotal:</b>	\$ 7,964.89
	<i>Discount Available <u>ONLY</u> if Invoice is Paid &amp; Received within listed terms of invoice:</i>	\$ (1,194.73)
<hr/>		
	SubTotal for Taxable Items:	\$ 4,780.40
	SubTotal for Non-Taxable Items:	\$ 1,989.75
<hr/>		
	Total:	\$ 6,770.16
	Tax:	\$ 360.92
	<b>Amount Due:</b>	<b>\$ 7,131.08</b>
	<b>Applied Payments:</b>	
	<b>Balance Due:</b>	<b>\$ 7,131.08</b>

**Thank You For Your Business!**

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