



## DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Co.**

PO Box 550  
Hays KS 67601+2431

ATTN: Roger Fisher

### **Rome #3**

#### **26-13s-17w Ellis,KS**

Start Date: 2013.10.12 @ 18:15:01

End Date: 2013.10.13 @ 00:06:00

Job Ticket #: 53638                      DST #: 1

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

Printed: 2013.10.15 @ 15:27:31



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Drilling Oil Co.  
 PO Box 550  
 Hays KS 67601+2431  
 ATTN: Roger Fisher

**26-13s-17w Ellis, KS**  
**Rome #3**  
 Job Ticket: 53638      **DST#: 1**  
 Test Start: 2013.10.12 @ 18:15:01

## GENERAL INFORMATION:

Formation: **Lans. "A-D"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 19:55:00  
 Tester: Andy Carreira  
 Time Test Ended: 00:06:00  
 Unit No: 68  
**Interval: 3240.00 ft (KB) To 3310.00 ft (KB) (TVD)**  
 Reference Elevations: 1984.00 ft (KB)  
 Total Depth: 3310.00 ft (KB) (TVD) 1976.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

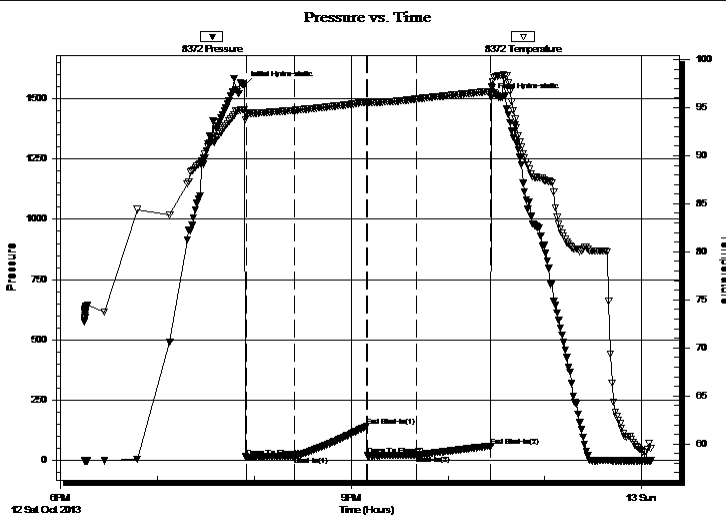
## Serial #: 8372

Inside

Press @ Run Depth: 22.63 psig @ 3245.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.12 End Date: 2013.10.13 Last Calib.: 2013.10.13  
 Start Time: 18:15:01 End Time: 00:06:00 Time On Btm: 2013.10.12 @ 19:54:00  
 Time Off Btm: 2013.10.12 @ 22:27:00

TEST COMMENT: IF:(30min) Surface blow died in 17 min.  
 IS:(45min) No Return  
 FF:(30min) No Blow  
 FS:(45min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.32	94.80	Initial Hydro-static
1	15.49	94.45	Open To Flow (1)
31	18.70	94.72	Shut-In(1)
76	142.65	95.58	End Shut-In(1)
76	20.84	95.53	Open To Flow (2)
107	22.63	95.89	Shut-In(2)
153	61.11	96.69	End Shut-In(2)
153	1504.72	97.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w / oil spks in tool	0.05

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Drilling Oil Co.

**26-13s-17w Ellis,KS**

PO Box 550  
Hays KS 67601+2431

**Rome #3**

Job Ticket: 53638

**DST#: 1**

ATTN: Roger Fisher

Test Start: 2013.10.12 @ 18:15:01

## Tool Information

Drill Pipe:	Length: 3185.00 ft	Diameter: 3.80 inches	Volume: 44.68 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 44.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3240.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3221.00	
Shut In Tool	5.00			3226.00	
Hydraulic tool	5.00			3231.00	
Packer	5.00			3236.00	20.00 Bottom Of Top Packer
Packer	4.00			3240.00	
Stubb	1.00			3241.00	
Perforations	3.00			3244.00	
Change Over Sub	1.00			3245.00	
Recorder	0.00	8372	Inside	3245.00	
Recorder	0.00	8321	Outside	3245.00	
Drill Pipe	32.00			3277.00	
Change Over Sub	1.00			3278.00	
Perforations	29.00			3307.00	
Bullnose	3.00			3310.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dreiling Oil Co.

**26-13s-17w Ellis,KS**

PO Box 550  
Hays KS 67601+2431

**Rome #3**

Job Ticket: 53638

**DST#: 1**

ATTN: Roger Fisher

Test Start: 2013.10.12 @ 18:15:01

## 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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w / oil spks in tool	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

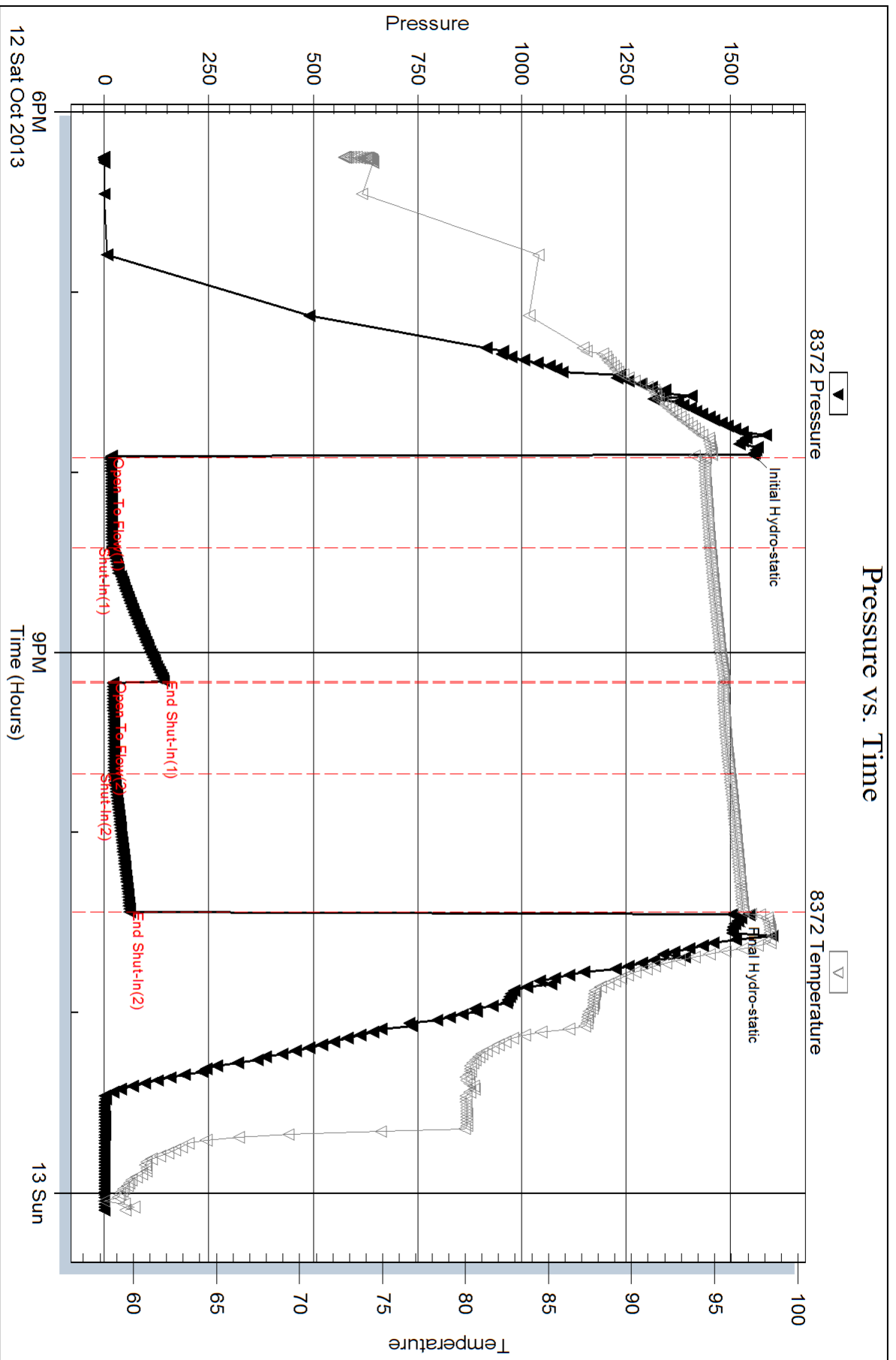
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

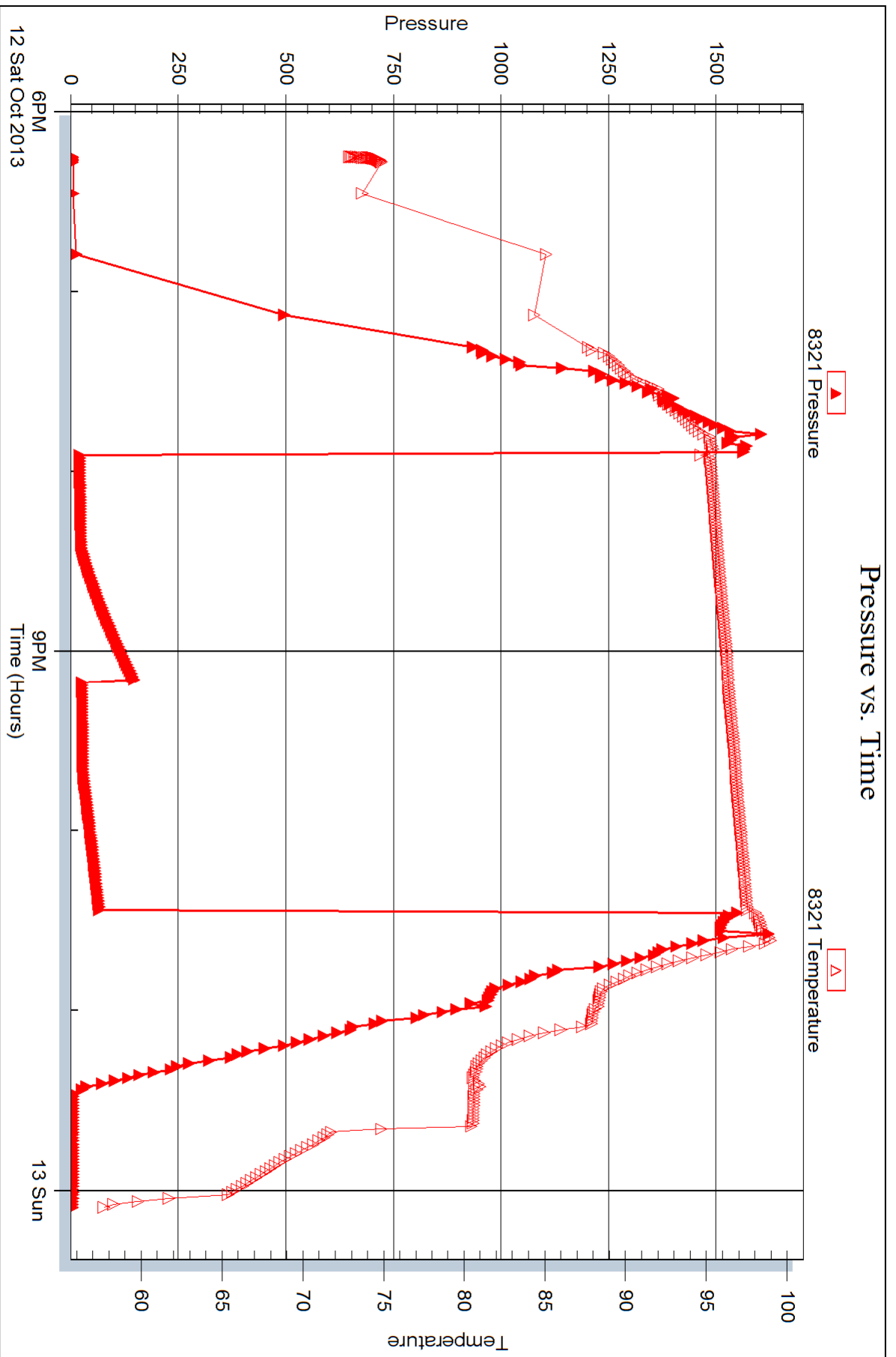


Serial #: 8321

Outside Drilling Oil Co.

Rome #3

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Co.**

PO Box 550  
Hays KS 67601+2431

ATTN: Roger Fisher

### **Rome #3**

#### **26-13s-17w Ellis,KS**

Start Date: 2013.10.13 @ 07:06:01

End Date: 2013.10.13 @ 12:51:00

Job Ticket #: 53639                      DST #: 2

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

Printed: 2013.10.15 @ 15:27:05





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Drilling Oil Co.  
PO Box 550  
Hays KS 67601+2431  
ATTN: Roger Fisher

**26-13s-17w Ellis,KS**  
**Rome #3**  
Job Ticket: 53639 **DST#: 2**  
Test Start: 2013.10.13 @ 07:06:01

## GENERAL INFORMATION:

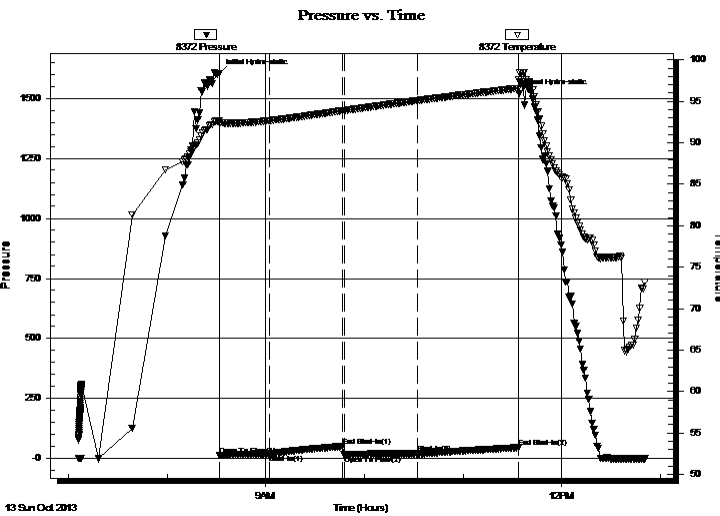
Formation: **LKC"EF"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 08:32:00  
Time Test Ended: 12:51:00  
Interval: **3316.00 ft (KB) To 3347.00 ft (KB) (TVD)**  
Total Depth: 3347.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 68  
Reference Elevations: 1984.00 ft (KB)  
1976.00 ft (CF)  
KB to GR/CF: 8.00 ft

## Serial #: 8372

Inside

Press @ Run Depth: 20.84 psig @ 3317.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.10.13 End Date: 2013.10.13 Last Calib.: 2013.10.13  
Start Time: 07:06:01 End Time: 12:51:00 Time On Btm: 2013.10.13 @ 08:31:30  
Time Off Btm: 2013.10.13 @ 11:34:00

TEST COMMENT: IF:(30min) 1" blow in 9 min. Built to 2" in 29 min.  
IS:(45min) No Return  
FF:(45min) 1" blow in 12 min. Decreased to intermittent surface blow in 20 min.  
FS:(60min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.36	92.63	Initial Hydro-static
1	14.04	92.38	Open To Flow (1)
31	18.89	92.67	Shut-In(1)
75	51.00	93.87	End Shut-In(1)
76	16.34	93.89	Open To Flow (2)
121	20.84	95.09	Shut-In(2)
182	46.01	96.57	End Shut-In(2)
183	1519.12	97.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / oil in tool	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Dreiling Oil Co.

**26-13s-17w Ellis,KS**

PO Box 550  
Hays KS 67601+2431

**Rome #3**

Job Ticket: 53639

**DST#: 2**

ATTN: Roger Fisher

Test Start: 2013.10.13 @ 07:06:01

## Tool Information

Drill Pipe:	Length: 3249.00 ft	Diameter: 3.80 inches	Volume: 45.57 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 45.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3316.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3297.00	
Shut In Tool	5.00			3302.00	
Hydraulic tool	5.00			3307.00	
Packer	5.00			3312.00	20.00 Bottom Of Top Packer
Packer	4.00			3316.00	
Stubb	1.00			3317.00	
Recorder	0.00	8372	Inside	3317.00	
Recorder	0.00	8321	Outside	3317.00	
Perforations	27.00			3344.00	
Bullnose	3.00			3347.00	31.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>51.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Dreiling Oil Co.

**26-13s-17w Ellis,KS**

PO Box 550  
Hays KS 67601+2431

**Rome #3**

Job Ticket: 53639

**DST#: 2**

ATTN: Roger Fisher

Test Start: 2013.10.13 @ 07:06:01

### 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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w / oil in tool	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

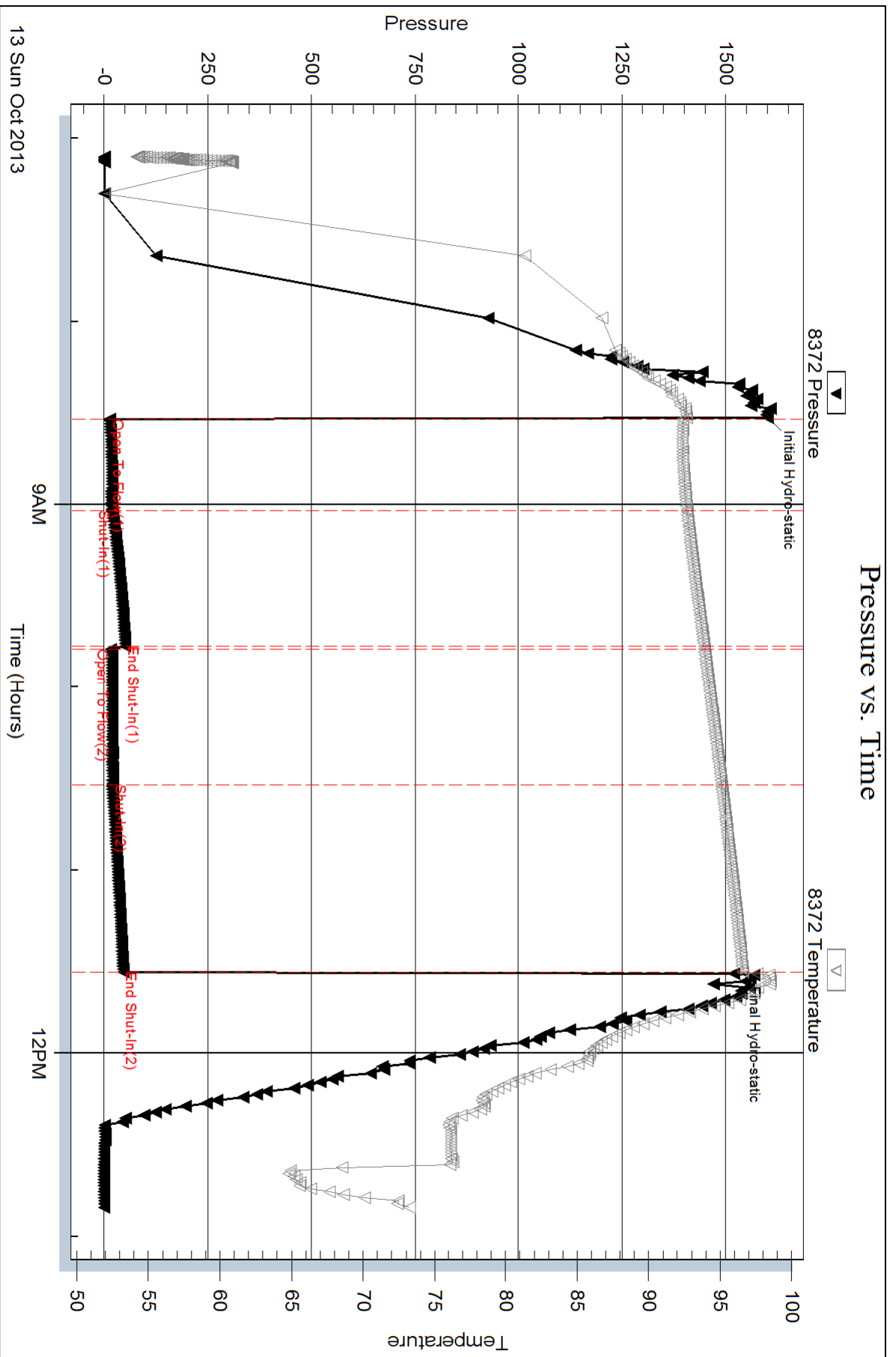
Serial #: 8372

Inside

Dreiling Oil Co.

Rome #3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53639

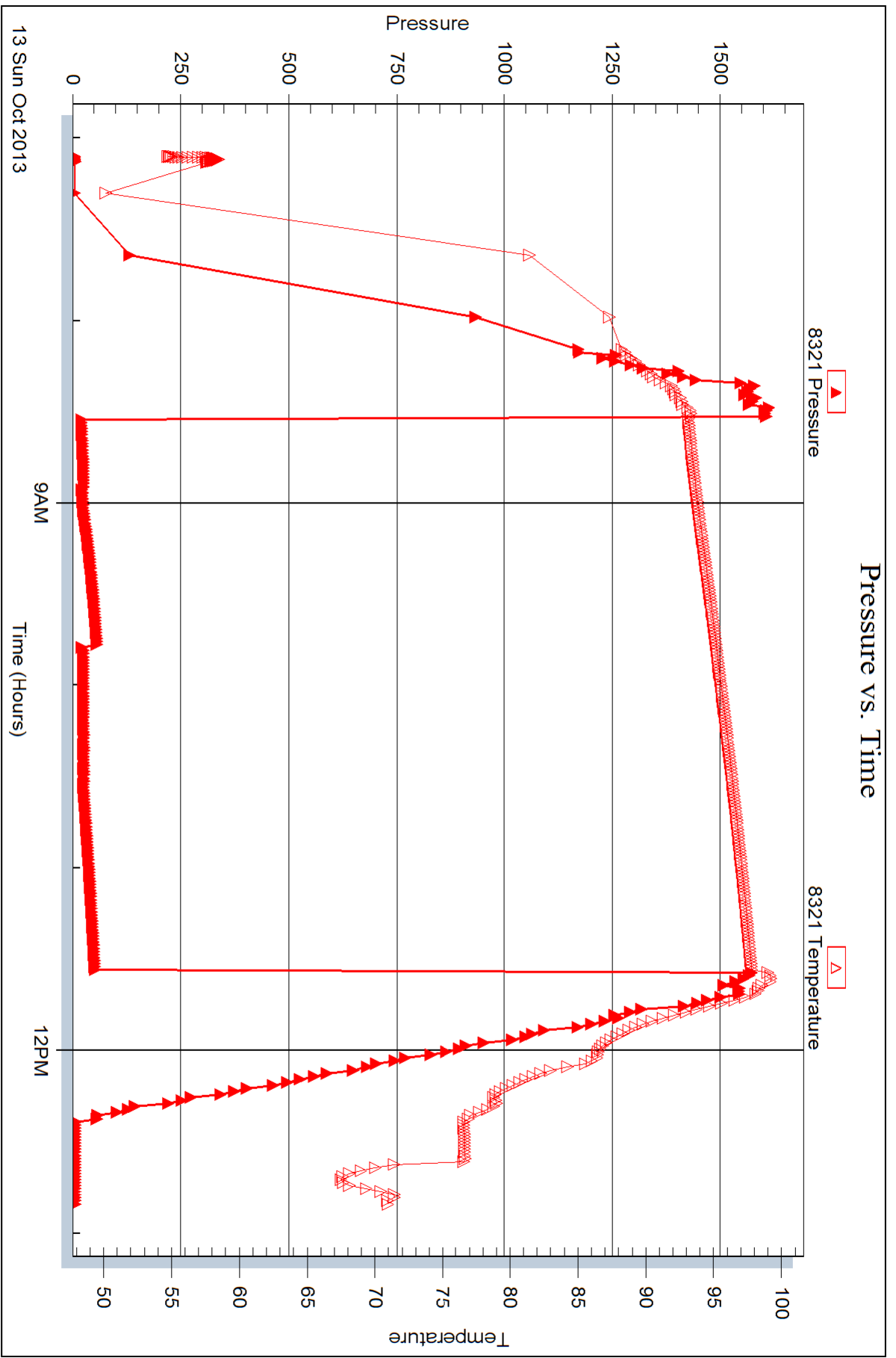
Printed: 2013.10.15 @ 15:27:07

Serial #: 8321

Outside Drilling Oil Co.

Rome #3

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Dreiling Oil Co.**

PO Box 550  
Hays KS 67601+2431

ATTN: Roger Fisher

### **Rome #3**

#### **26-13s-17w Ellis,KS**

Start Date: 2013.10.13 @ 23:14:01

End Date: 2013.10.14 @ 04:39:30

Job Ticket #: 53640                      DST #: 3

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

Printed: 2013.10.15 @ 15:26:37



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Drilling Oil Co.  
 PO Box 550  
 Hays KS 67601+2431  
 ATTN: Roger Fisher

**26-13s-17w Ellis, KS**  
**Rome #3**  
 Job Ticket: 53640      **DST#: 3**  
 Test Start: 2013.10.13 @ 23:14:01

## GENERAL INFORMATION:

Formation: **LKC"H,I,J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:49:00  
 Time Test Ended: 04:39:30  
 Interval: **3372.00 ft (KB) To 3442.00 ft (KB) (TVD)**  
 Total Depth: 3442.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 68  
 Reference Elevations: 1984.00 ft (KB)  
 1976.00 ft (CF)  
 KB to GR/CF: 8.00 ft

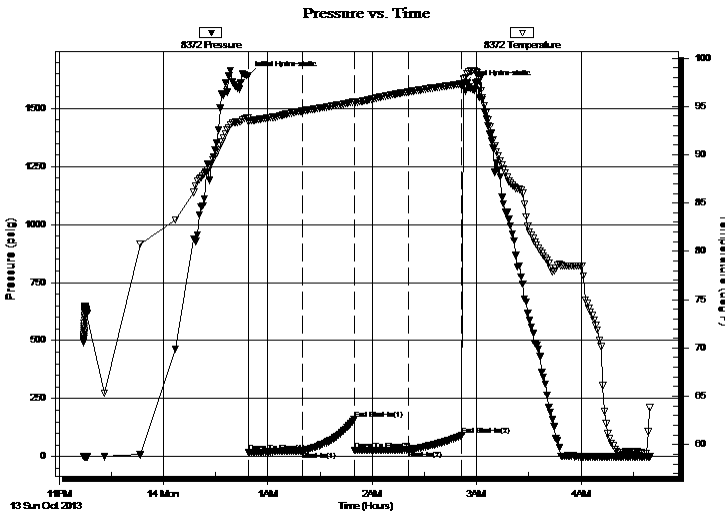
## Serial #: 8372

Inside

Press @ Run Depth: 28.52 psig @ 3377.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.10.13      End Date: 2013.10.14      Last Calib.: 2013.10.14  
 Start Time: 23:14:01      End Time: 04:39:30      Time On Btm: 2013.10.14 @ 00:48:30  
 Time Off Btm: 2013.10.14 @ 02:52:30

TEST COMMENT: IF:(30min) Weak surface blow  
 IS:(30min) No Return  
 FF:(30min) Weak surface blow  
 FS:(30min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.52	93.85	Initial Hydro-static
1	16.99	93.39	Open To Flow (1)
32	25.27	94.51	Shut-In(1)
61	159.81	95.48	End Shut-In(1)
62	27.85	95.43	Open To Flow (2)
92	28.52	96.48	Shut-In(2)
123	91.39	97.32	End Shut-In(2)
124	1600.90	97.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM	0.05

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Drilling Oil Co.

**26-13s-17w Ellis,KS**

PO Box 550  
Hays KS 67601+2431

**Rome #3**

Job Ticket: 53640

**DST#: 3**

ATTN: Roger Fisher

Test Start: 2013.10.13 @ 23:14:01

## Tool Information

Drill Pipe:	Length: 3313.00 ft	Diameter: 3.80 inches	Volume: 46.47 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 46.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3372.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3353.00	
Shut In Tool	5.00			3358.00	
Hydraulic tool	5.00			3363.00	
Packer	5.00			3368.00	20.00 Bottom Of Top Packer
Packer	4.00			3372.00	
Stubb	1.00			3373.00	
Perforations	3.00			3376.00	
Change Over Sub	1.00			3377.00	
Recorder	0.00	8372	Inside	3377.00	
Recorder	0.00	8321	Outside	3377.00	
Drill Pipe	32.00			3409.00	
Change Over Sub	1.00			3410.00	
Perforations	29.00			3439.00	
Bullnose	3.00			3442.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Dreiling Oil Co.

**26-13s-17w Ellis,KS**

PO Box 550  
Hays KS 67601+2431

**Rome #3**

Job Ticket: 53640

**DST#: 3**

ATTN: Roger Fisher

Test Start: 2013.10.13 @ 23:14:01

## 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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

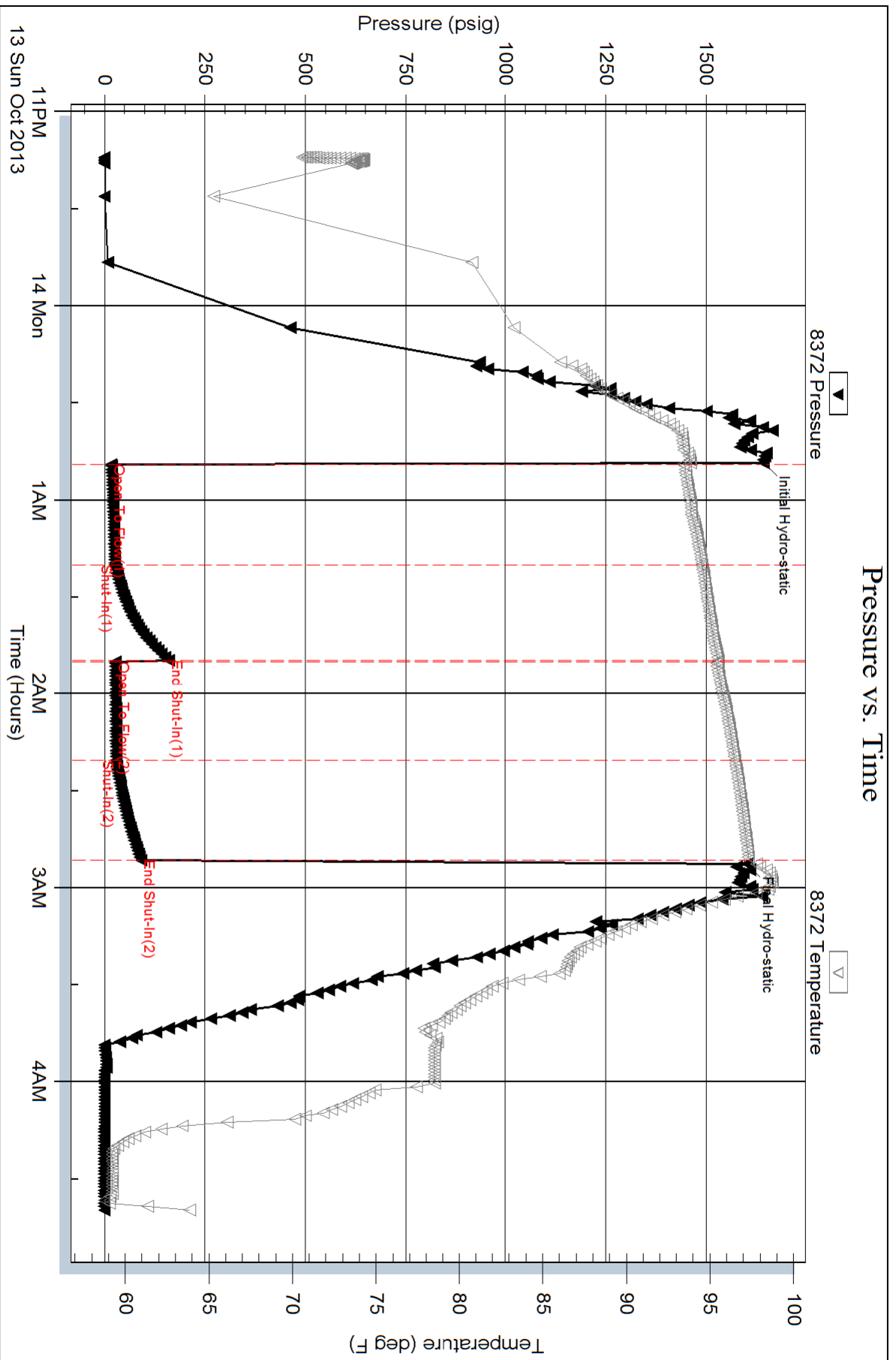
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



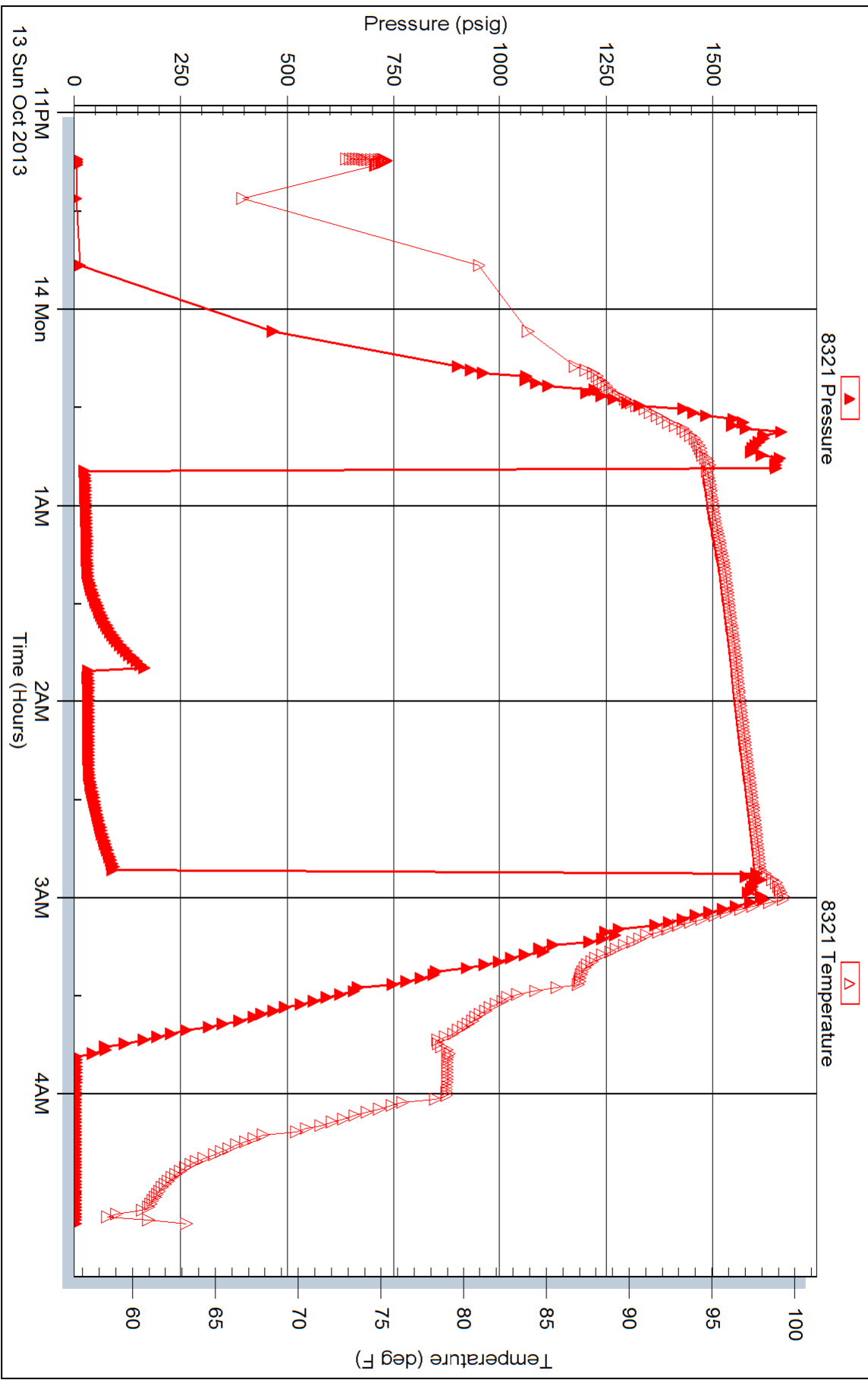
Serial #: 8321

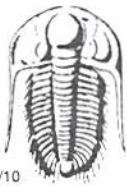
Outside Drilling Oil Co.

Rome #3

DST Test Number: 3

### Pressure vs. Time





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53638

Well Name & No. Romez #3 Test No. 1 Date 10-12-13  
 Company DREILING Oil Co Elevation 1984 est KB 1976 est GL  
 Address PO Box 550 Hays Ks 67601 + 2431  
 Co. Rep / Geo. Rogee Fisher Rig DISCOVERY #1  
 Location: Sec. 26 Twp. 13s Rge. 17w Co. Ellis State Ks

Interval Tested 3240-3310 Zone Tested LANS. A-D  
 Anchor Length 70 Drill Pipe Run 3185 Mud Wt. 8.7  
 Top Packer Depth 2235 Drill Collars Run 60 Vis 54  
 Bottom Packer Depth 3240 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3310 Chlorides 2500 ppm System LCM 2 #s

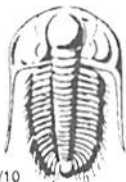
Blow Description IF: SURFACE blow died in 17min.  
ISI: NO RETURN  
FF: NO BLOW  
FSL: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud/oil spks in tool</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 10 BHT 96° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1554  Test 1150 T-On Location 15:45  
 (B) First Initial Flow 15  Jars \_\_\_\_\_ T-Started 18:15  
 (C) First Final Flow 18  Safety Joint \_\_\_\_\_ T-Open 19:55  
 (D) Initial Shut-In 142  Circ Sub \_\_\_\_\_ T-Pulled 22:25  
 (E) Second Initial Flow 20  Hourly Standby \_\_\_\_\_ T-Out 00:06  
 (F) Second Final Flow 22  Mileage 22RT 34.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 61  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1504  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1184.10  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 45 Sub Total 1184.10

Approved By \_\_\_\_\_ Our Representative Andy Co  
 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.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53639

4/10

Well Name & No. Rome #3 Test No. 2 Date 10-13-13  
 Company Drilling Oil Co. Elevation # 1984 est KB 1976 est GL  
 Address PO BOX 550 Hays, Ks. 67601-2431  
 Co. Rep / Geo. Roger Fisher Rig Discovery #1  
 Location: Sec. 26 Twp. 13s Rge. 17W Co. Ellis State Ks

Interval Tested 3316-3347 Zone Tested LKC "E-F"  
 Anchor Length 31' Drill Pipe Run 3246 Mud Wt. 8.7  
 Top Packer Depth 3311 Drill Collars Run 60 Vis 54  
 Bottom Packer Depth 3316 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3347 Chlorides 2500 ppm System LCM 2#s

Blow Description IF: Blow built to 1" in 9min, 2" in 29min  
ISI: No Return  
FP: 1" blow in 12min. DECREASED to intermittent surface blow # in 20min  
FSI: No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/oil in tool</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

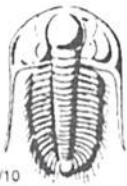
Rec Total 5 BHT 96° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 160'  Test 1150 T-On Location 06:40  
 (B) First Initial Flow 14  Jars \_\_\_\_\_ T-Started 07:06  
 (C) First Final Flow 18  Safety Joint \_\_\_\_\_ T-Open 08:32  
 (D) Initial Shut-In 51  Circ Sub \_\_\_\_\_ T-Pulled 11:32  
 (E) Second Initial Flow 16  Hourly Standby \_\_\_\_\_ T-Out 12:51  
 (F) Second Final Flow 20  Mileage 22RT 34.10 Comments \_\_\_\_\_  
 (G) Final Shut-In 46  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1519  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1184.10  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1184.10

Approved By \_\_\_\_\_ Our Representative Andy Carr

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.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53640

Well Name & No. Rome #3 Test No. 3 Date 10-13-13  
 Company DREILING Oil Co. Elevation 1984 KB 1976 GL  
 Address PO BOX 550 Hays, Ks. 67601+2431  
 Co. Rep / Geo. Roger Fisher Rig DISCOVERY #1  
 Location: Sec. 26 Twp. 13s Rge. 17w Co. Ellis State Ks

Interval Tested 3372-3442 Zone Tested LKC "H, I, J"  
 Anchor Length 70 Drill Pipe Run 3313 Mud Wt. 8.9  
 Top Packer Depth 3367 Drill Collars Run 60 Vis 53  
 Bottom Packer Depth 3372 Wt. Pipe Run 0 WL 7.6  
 Total Depth 3442 Chlorides 2500 ppm System LCM 1 1/2 #

Blow Description IF: Weak surface blow  
ISI: NO RETURN  
FF: Weak surface blow  
FST: NO RETURN

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OSM</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 97° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 1642  Test 1150 T-On Location 22:32  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 23:14  
 (C) First Final Flow 25  Safety Joint \_\_\_\_\_ T-Open 00:50  
 (D) Initial Shut-In 159  Circ Sub \_\_\_\_\_ T-Pulled 02:50  
 (E) Second Initial Flow 27  Hourly Standby \_\_\_\_\_ T-Out 04:40  
 (F) Second Final Flow 28  Mileage 22RT 68.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 91  Sampler \_\_\_\_\_ loaded tools 10/14 18:45  
 (H) Final Hydrostatic 1600  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1218.20  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1218.20

Approved By \_\_\_\_\_ Our Representative Andy Co

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.