



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 202 S.St. Francis  
 PO Box 2757  
 Wichita Ks 67202-4518  
 ATTN: Pat Canaday, Chuck Sc

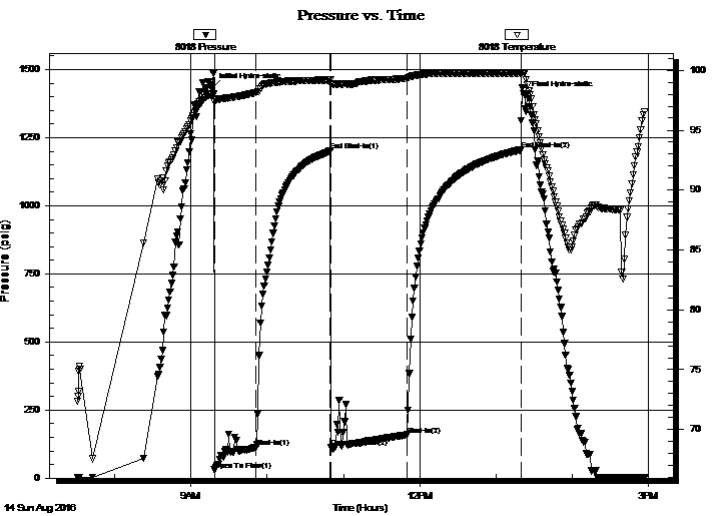
**12-8s-17w Rooks**  
**Chesney Unit #406**  
 Job Ticket: 63061 **DST#: 2**  
 Test Start: 2016.08.14 @ 07:31:02

## GENERAL INFORMATION:

Formation: **Oread-LKC "C"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 09:18:27 Tester: Ray Schwager  
 Time Test Ended: 14:56:56 Unit No: 77  
 Interval: **2968.00 ft (KB) To 3121.00 ft (KB) (TVD)** Reference Elevations: 1960.00 ft (KB)  
 Total Depth: 3121.00 ft (KB) (TVD) 1952.00 ft (CF)  
 Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

**Serial #: 8018 Inside**  
 Press@RunDepth: 158.81 psig @ 2970.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.08.14 End Date: 2016.08.14 Last Calib.: 2016.08.14  
 Start Time: 07:31:02 End Time: 14:56:56 Time On Btm: 2016.08.14 @ 09:16:57  
 Time Off Btm: 2016.08.14 @ 13:22:26

**TEST COMMENT:** 30-IFP-w k to strg in 21 min  
 60-ISIP-vy w k surface bl bk  
 60-FFP-w k to strg in 23 min  
 90-FSIP-w k bl bk , surface to 3" bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1434.35	97.97	Initial Hydro-static
2	30.24	97.33	Open To Flow (1)
35	112.69	98.13	Shut-In(1)
93	1202.50	99.19	End Shut-In(1)
94	113.42	98.77	Open To Flow (2)
153	158.81	99.33	Shut-In(2)
243	1204.81	99.75	End Shut-In(2)
246	1404.13	99.81	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	435' GIP	0.00
124.00	O&GCM 10%G15%O75%M	0.65
155.00	HO&GCM 20%G25%O55%M	2.17
35.00	CO	0.49

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Gore Oil Company  
 202 S.St. Francis  
 PO Box 2757  
 Wichita Ks 67202-4518  
 ATTN: Pat Canaday, Chuck Sc

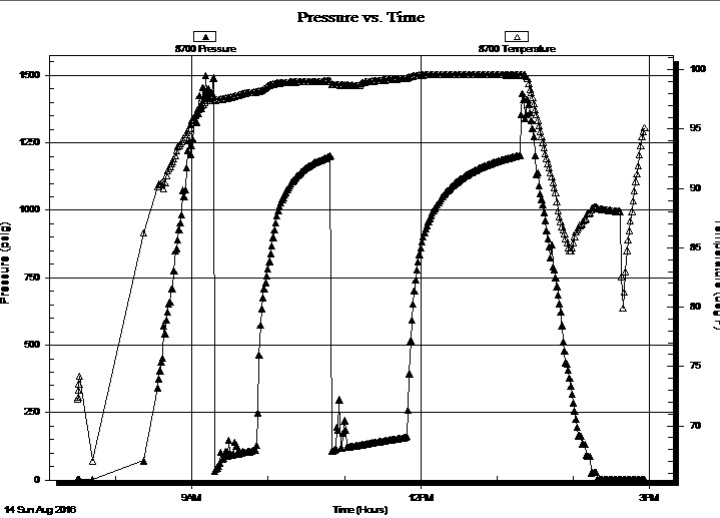
**12-8s-17w Rooks**  
**Chesney Unit #406**  
 Job Ticket: 63061 **DST#: 2**  
 Test Start: 2016.08.14 @ 07:31:02

## GENERAL INFORMATION:

Formation: **Oread-LKC "C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:18:27  
 Time Test Ended: 14:56:56  
 Interval: **2968.00 ft (KB) To 3121.00 ft (KB) (TVD)**  
 Total Depth: 3121.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ray Schwager  
 Unit No: 77  
 Reference Elevations: 1960.00 ft (KB)  
 1952.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8700 Outside**  
 Press@RunDepth: psig @ 2970.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.08.14 End Date: 2016.08.14 Last Calib.: 2016.08.14  
 Start Time: 07:30:15 End Time: 14:56:09 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 30-IFP-w k to strg in 21 min  
 60-ISIP-vy w k surface bl bk  
 60-FFP-w k to strg in 23 min  
 90-FSIP-w k bl bk , surface to 3" bl



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

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	435' GIP	0.00
124.00	O&GCM 10%G15%O75%M	0.65
155.00	HO&GCM 20%G25%O55%M	2.17
35.00	CO	0.49

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company  
202 S.St. Francis  
PO Box 2757  
Wichita Ks 67202-4518  
ATTN: Pat Canaday, Chuck Sc

**12-8s-17w Rooks**  
**Chesney Unit #406**  
Job Ticket: 63061      **DST#: 2**  
Test Start: 2016.08.14 @ 07:31:02

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2100.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	435' GIP	0.000
124.00	O&GCM 10%G15%O75%M	0.646
155.00	HO&GCM 20%G25%O55%M	2.174
35.00	CO	0.491

Total Length: 314.00 ft      Total Volume: 3.311 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

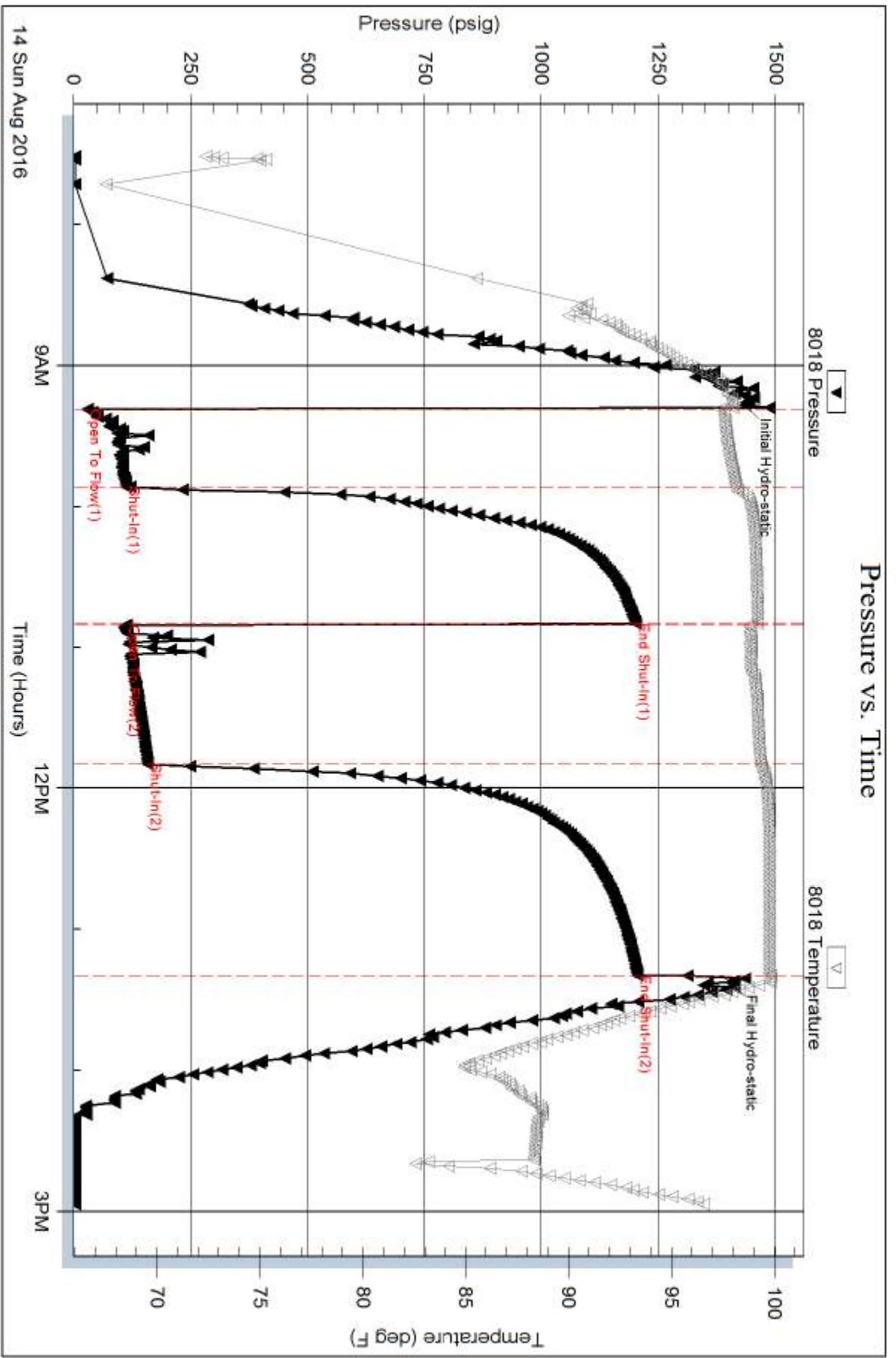
Serial #: 8018

Inside

Gore Oil Company

Chesney Unit #406

DST Test Number: 2

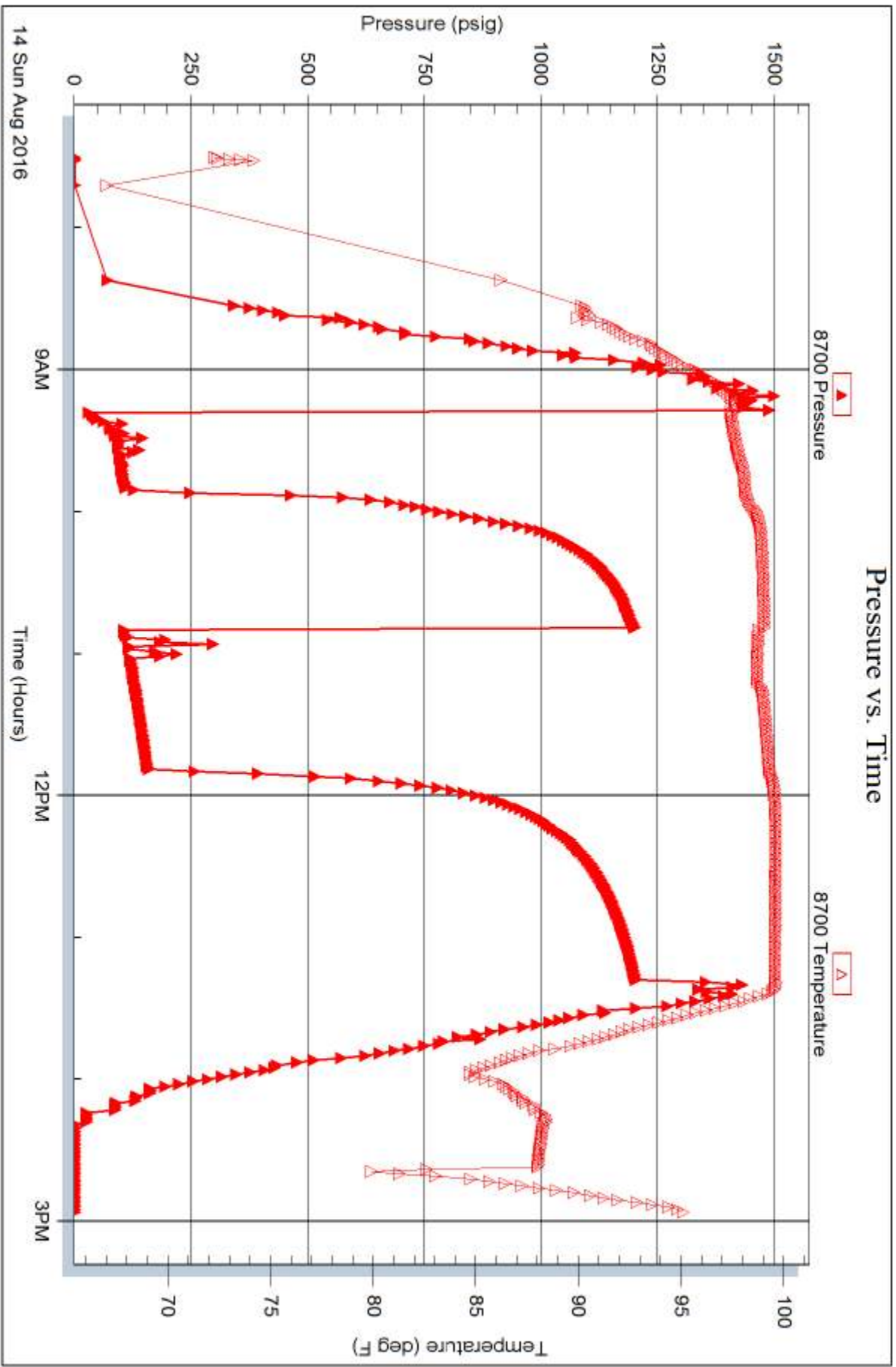


Serial #: 8700

Outside Gore Oil Company

Chesney Unit #406

DST Test Number: 2

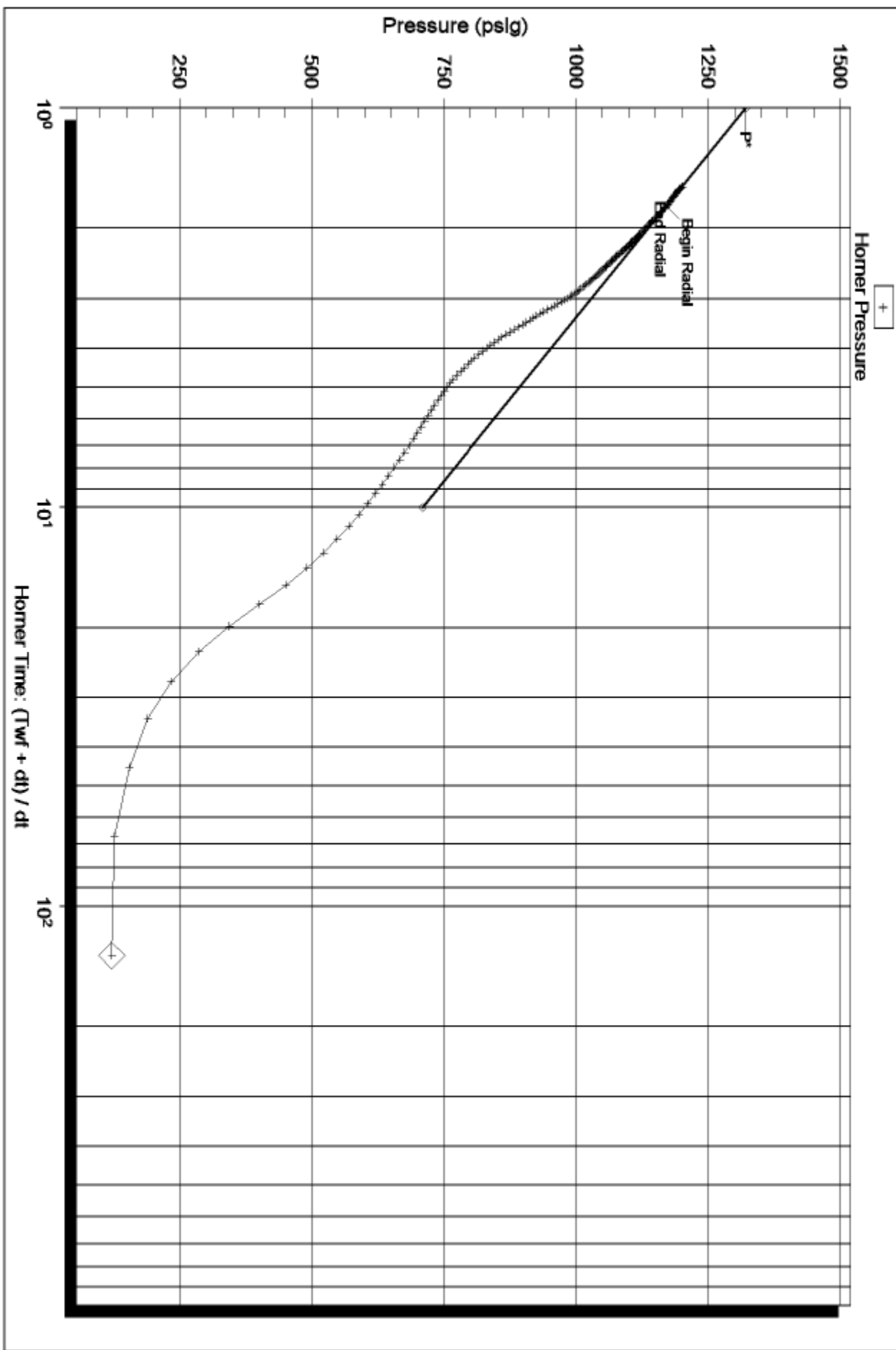


Trilobite Testing, Inc

Ref. No: 63061

Printed: 2016.08.14 @ 22:07:58

### Horner Plot



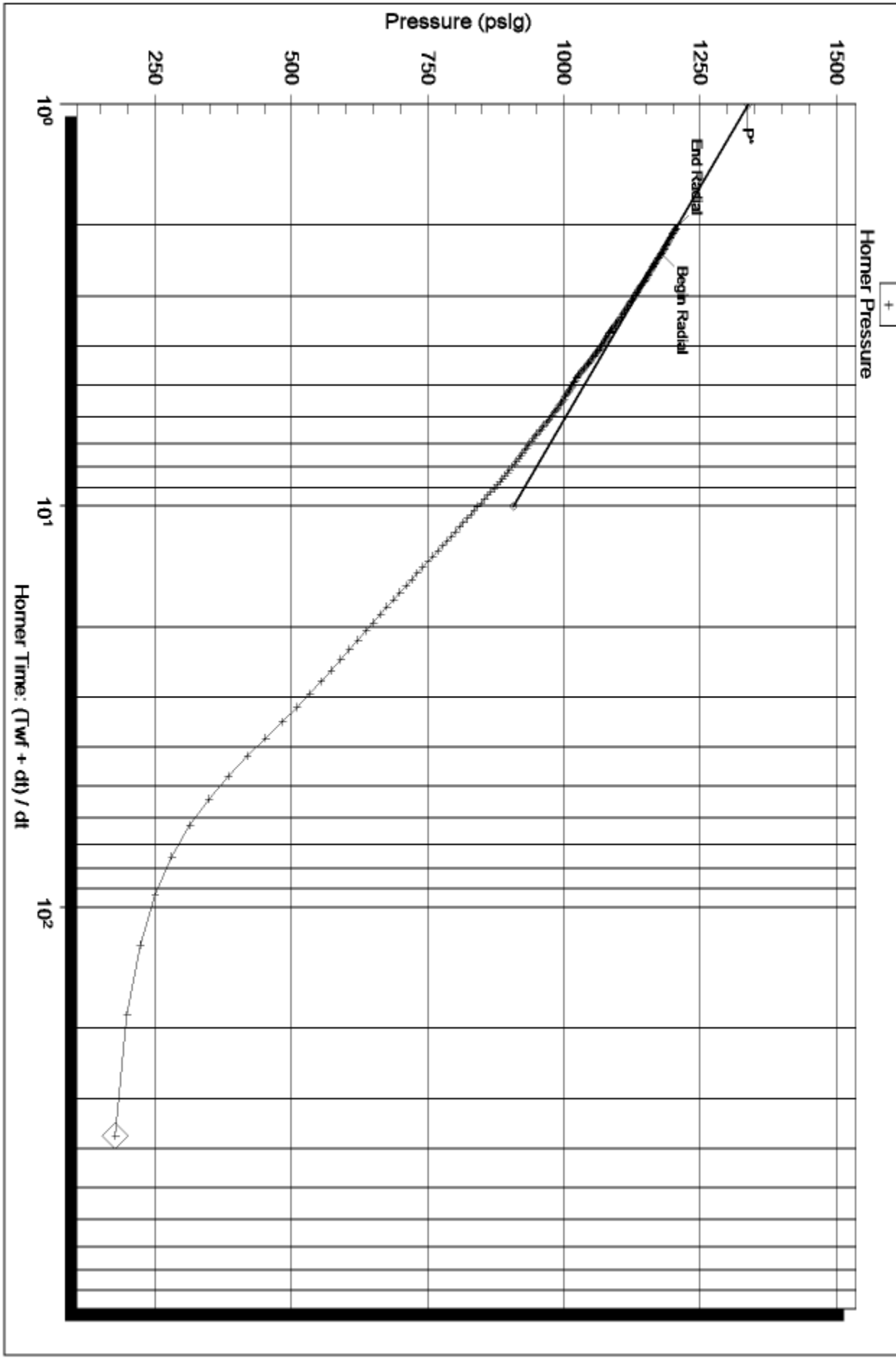
Serial Number: 8018 (Inside)

P\* : 1320.74

Slope (m) : 611.71 kpa/log cycle

Flow Cycle: 1

### Horner Plot



Serial Number: 8018 (Inside)

P\* : 1337.36

Slope (m) : 429.68 kpa/log cycle

Flow Cycle: 2