

**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**12-15-26w Gove Co KS**

4924 SE 84th St  
New ton KS  
67114  
ATTN: Jerry Smith

**1 Elza Trebor**

Job Ticket: 51320

**DST#: 1**

Test Start: 2012.12.19 @ 20:09:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:04:00

Time Test Ended: 02:55:00

Test Type: Conventional Straddle (Initial)

Tester: Mike Roberts

Unit No: 65

**Interval: 4270.00 ft (KB) To 4312.00 ft (KB) (TVD)**

Reference Elevations: 2376.00 ft (KB)

Total Depth: 4400.00 ft (KB) (TVD)

2372.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

**Serial #: 8365 Outside**

Press@RunDepth: psig @ 4312.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.19

End Date: 2012.12.20

Last Calib.: 2012.12.20

Start Time: 20:09:15

End Time: 02:55:00

Time On Btm: 2012.12.19 @ 23:03:00

Time Off Btm: 2012.12.19 @ 23:09:15

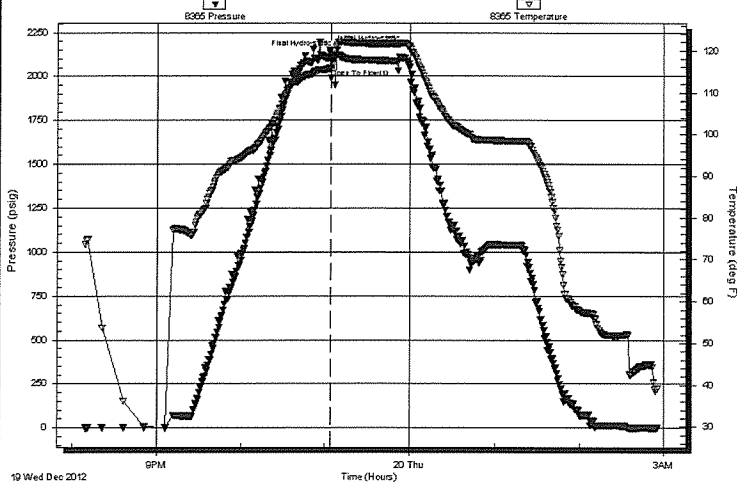
TEST COMMENT: IF:PACKER FAILURE

IS:

FF:

FS:

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.19	115.76	Initial Hydro-static
1	1992.09	115.61	Open To Flow (1)
7	2121.26	122.05	Final Hydro-static

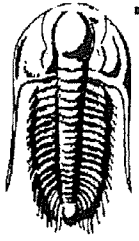
## Recovery

Length (ft)	Description	Volume (bbl)
250.00	mud 100%m	2.38

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.

**12-15-26w Gove Co KS**

4924 SE 84th St  
New ton KS  
67114

**1 Elza Trebor**

Job Ticket: 51320

**DST#: 1**

ATTN: Jerry Smith

Test Start: 2012.12.19 @ 20:09:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	mud 100%m	2.377

Total Length: 250.00 ft      Total Volume: 2.377 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

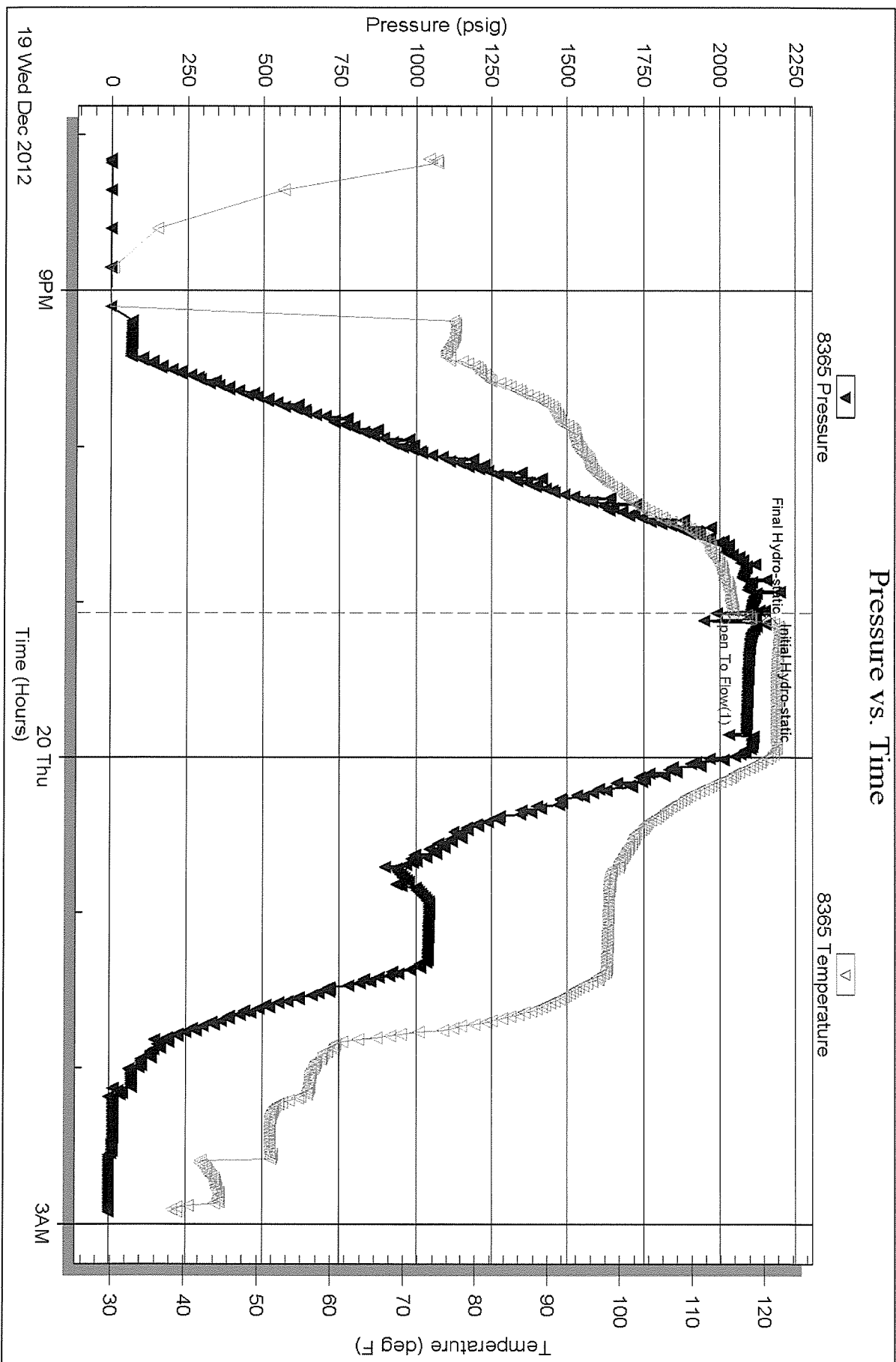
Serial #: 8365

Outside

Palomno Petroleum, Inc.

1 Elza Trebor

DST Test Number: 1

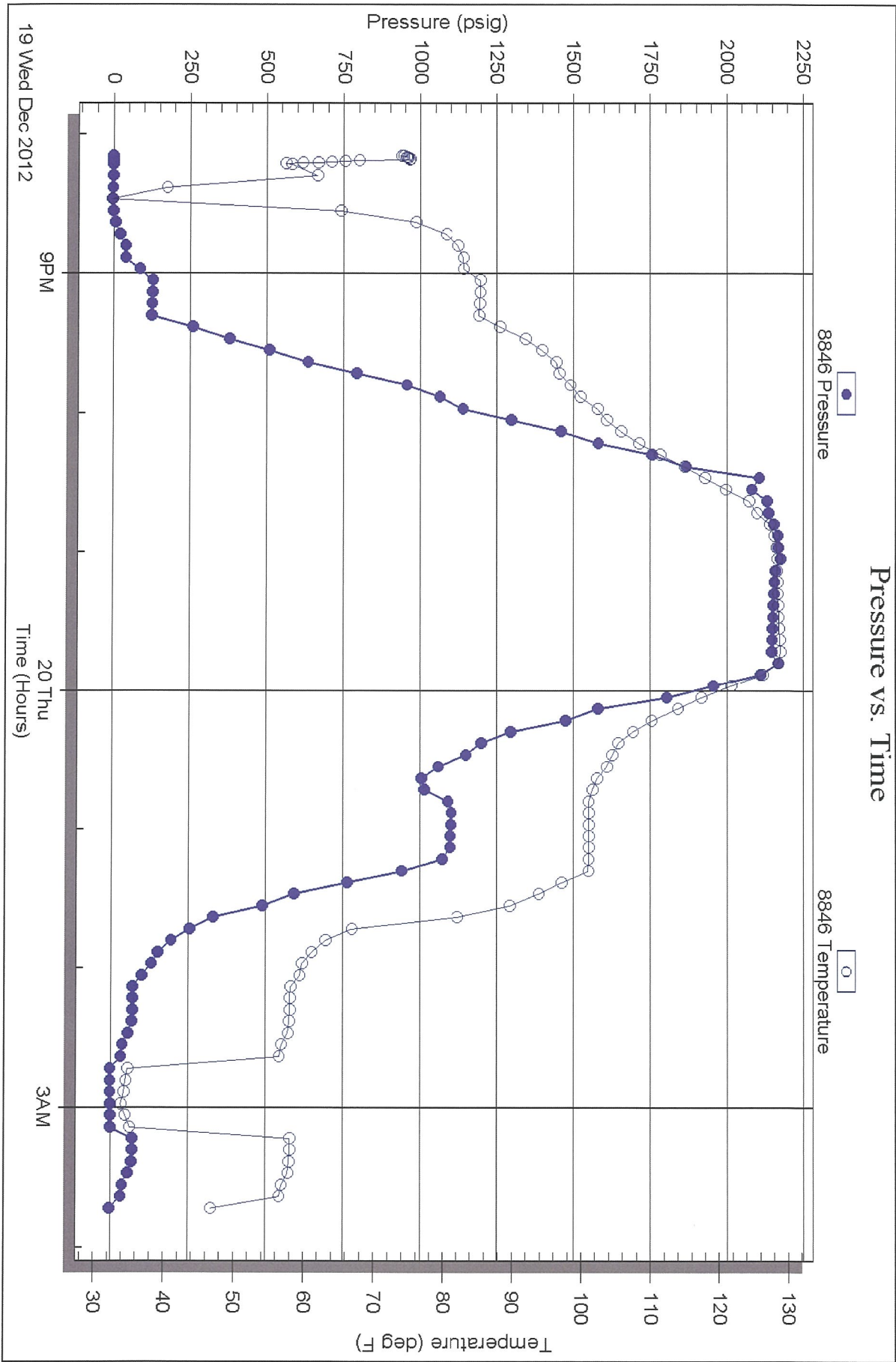


Serial #: 8846

Below (Stratton) Petroleum, Inc.

1 Eza Trebor

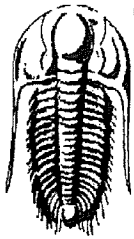
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 51320

Printed: 2012.12.20 @ 08:02:59



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

**12-15-26w Gove Co KS**

4924 SE 84th St  
New ton KS  
67114

**1 Elza Trebor**

Job Ticket: 52321

**DST#: 2**

ATTN: Jerry Smith

Test Start: 2012.12.20 @ 04:02:15

## GENERAL INFORMATION:

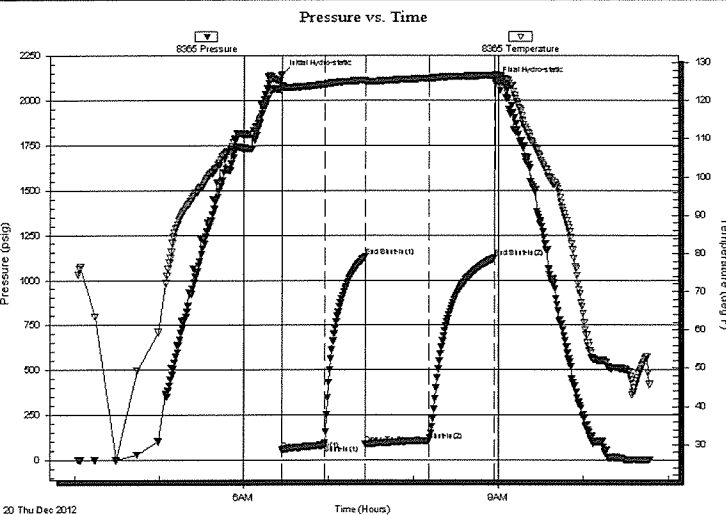
Formation: **Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:27:15  
 Time Test Ended: 10:47:00  
 Interval: **4215.00 ft (KB) To 4312.00 ft (KB) (TVD)**  
 Total Depth: 4400.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 2376.00 ft (KB)  
 2372.00 ft (CF)  
 KB to GR/CF: 4.00 ft

## Serial #: 8365

Outside

Press@RunDepth: 109.42 psig @ 4312.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20  
 Start Time: 04:02:15 End Time: 10:47:00 Time On Btm: 2012.12.20 @ 06:27:00  
 Time Off Btm: 2012.12.20 @ 08:58:00

TEST COMMENT: IF:2 1/2" blow  
 IS:No return blow  
 FF:1" blow  
 FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.94	123.95	Initial Hydro-static
1	57.53	123.29	Open To Flow (1)
30	83.52	124.24	Shut-In(1)
59	1131.00	125.27	End Shut-In(1)
59	88.38	124.79	Open To Flow (2)
104	109.42	125.85	Shut-In(2)
150	1123.38	126.59	End Shut-In(2)
151	2105.51	126.91	Final Hydro-static

## Recovery

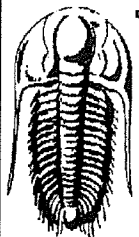
Length (ft)	Description	Volume (bbl)
1.00	free oil	0.00
130.00	mud with oil spots	0.70

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15-26w Gove Co KS

4924 SE 84th St  
New ton KS  
67114

1 Elza Trebor

Job Ticket: 52321

DST#: 2

ATTN: Jerry Smith

Test Start: 2012.12.20 @ 04:02:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	free oil	0.005
130.00	mud with oil spots	0.703

Total Length: 131.00 ft

Total Volume: 0.708 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

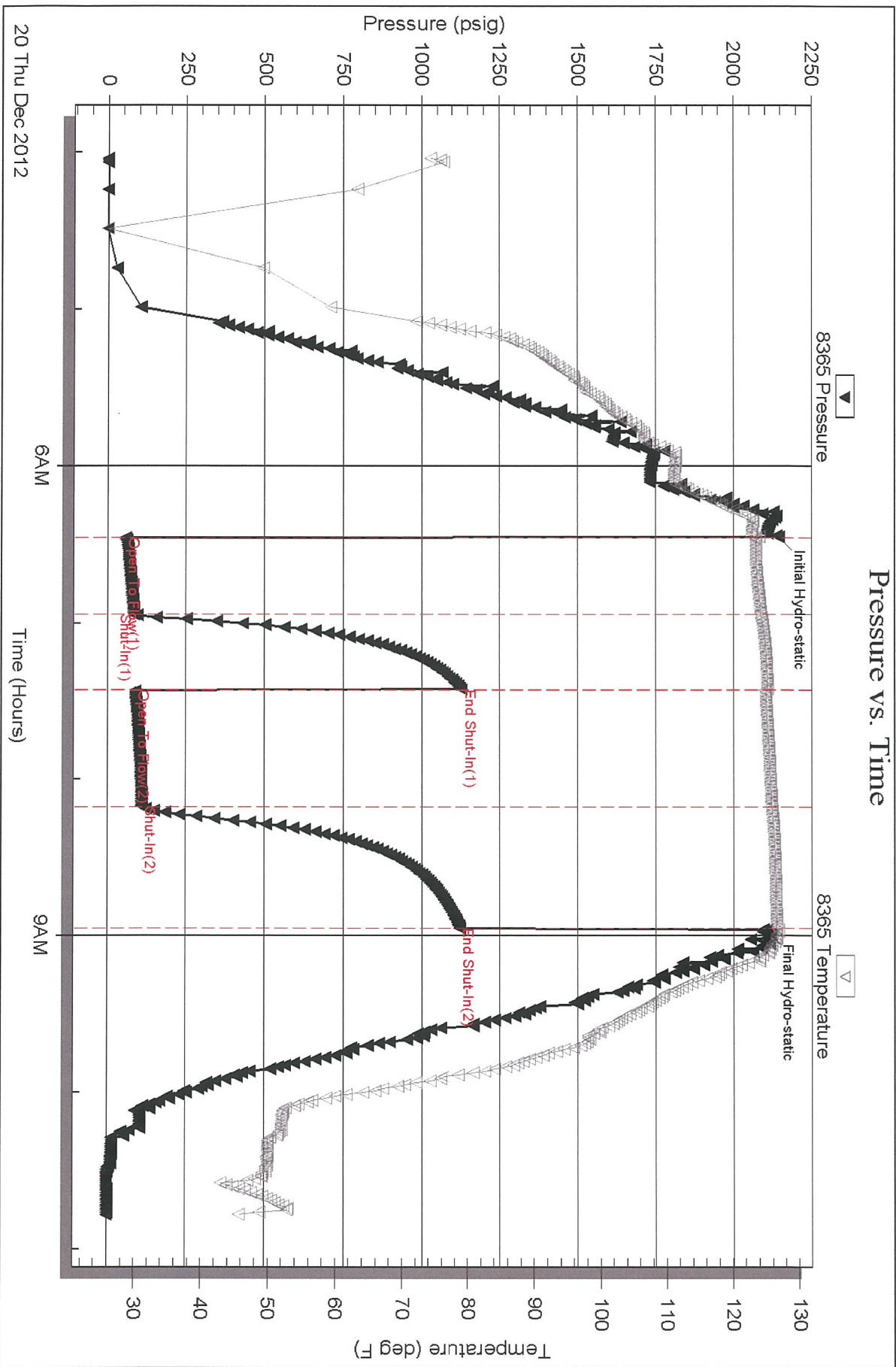
Serial #: 8365

Outside

Palomino Petroleum, Inc.

1 Eza Trebor

DST Test Number: 2



Tribolite Testing, Inc

Ref. No: 52321

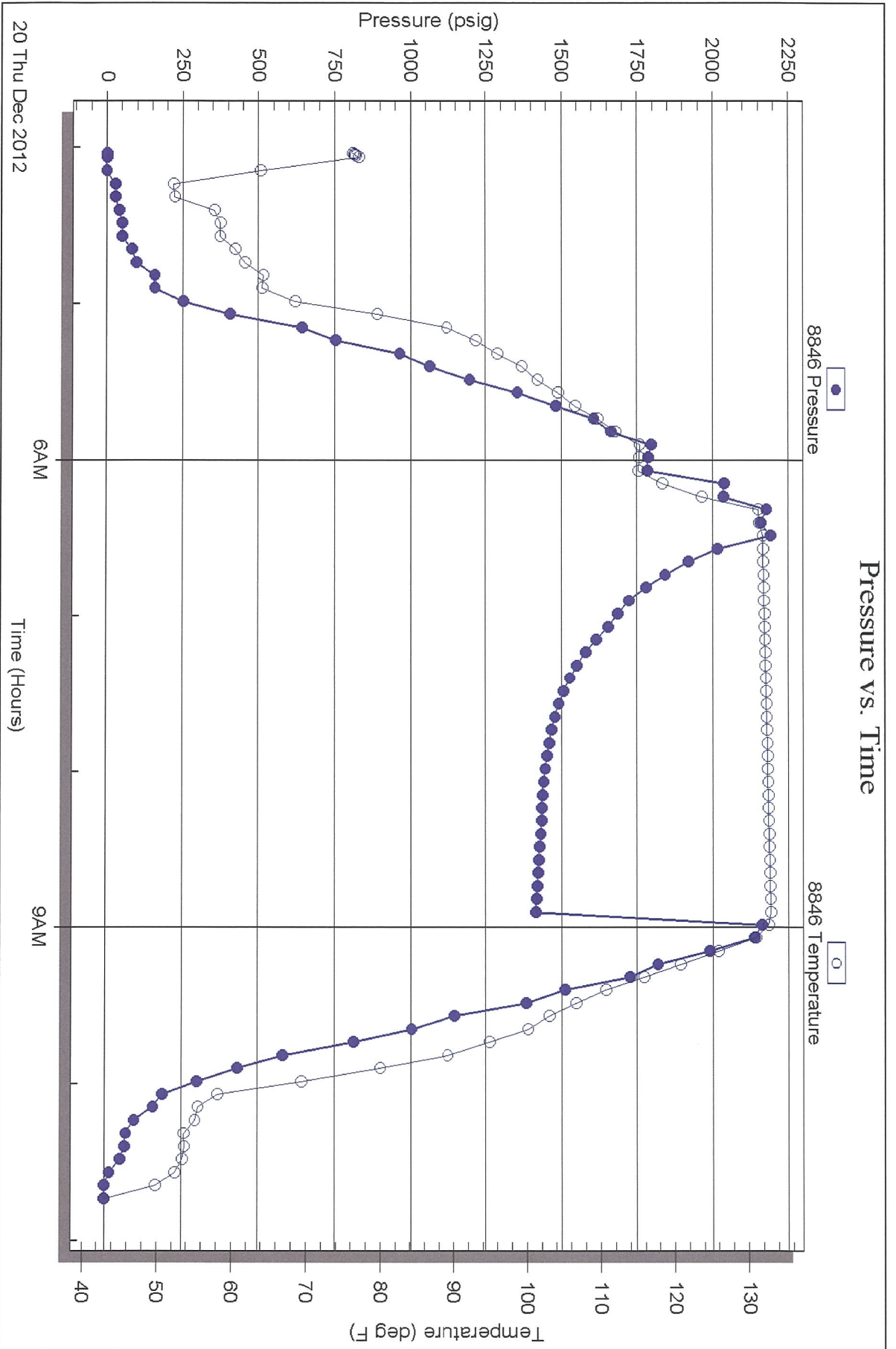
Printed: 2012.12.20 @ 11:03:13

Serial #: 8846

Below (Stratton) Petroleum, Inc.

1 Eza Trebor

DST Test Number: 2



Triiodide Testing, Inc

Ref. No: 52321

Printed: 2012.12.20 @ 11:03:13



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15-26w Gove Co KS

4924 SE 84th St  
New ton KS  
67114

1 Elza Trebor

Job Ticket: 51322

DST#: 3

ATTN: Jerry Smith

Test Start: 2012.12.20 @ 15:05:15

## GENERAL INFORMATION:

Formation: **H**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Straddle (Reset)**  
 Time Tool Opened: **17:05:15** Tester: **Mike Roberts**  
 Time Test Ended: **19:51:15** Unit No: **65**  
**Interval: 3815.00 ft (KB) To 3850.00 ft (KB) (TVD)** Reference Elevations: **2376.00 ft (KB)**  
 Total Depth: **4400.00 ft (KB) (TVD)** **2372.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **4.00 ft**

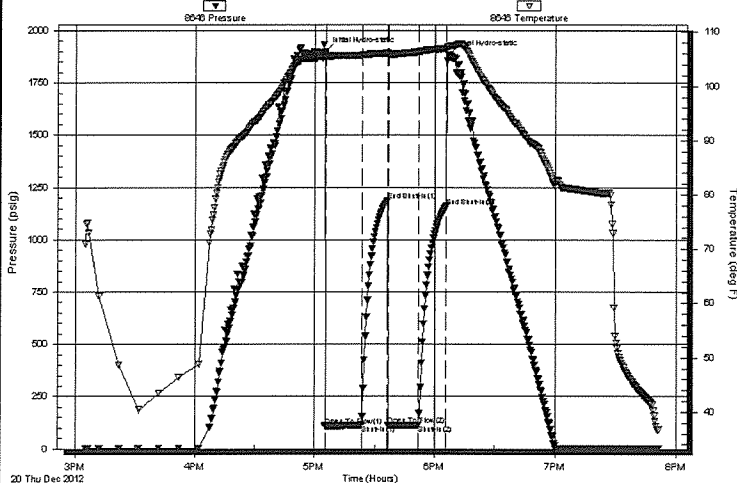
## Serial #: 8646

Inside

Press@RunDepth: **115.27 psig @ 3857.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.12.20** End Date: **2012.12.20** Last Calib.: **2012.12.20**  
 Start Time: **15:05:15** End Time: **19:51:15** Time On Btm: **2012.12.20 @ 17:05:00**  
 Time Off Btm: **2012.12.20 @ 18:06:45**

TEST COMMENT: IF:Very weak surface blow died in 3 min.  
 IS:No return blow  
 FF:No blow  
 FS:No return blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.45	105.92	Initial Hydro-static
1	110.79	105.21	Open To Flow (1)
19	112.31	105.71	Shut-In(1)
32	1187.26	106.12	End Shut-In(1)
32	113.93	105.73	Open To Flow (2)
47	115.27	106.37	Shut-In(2)
61	1159.21	106.94	End Shut-In(2)
62	1885.13	107.30	Final Hydro-static

## Recovery

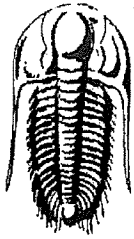
Length (ft)	Description	Volume (bbl)
186.00	mud 100% m	1.48

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15-26w Gove Co KS

4924 SE 84th St  
New ton KS  
67114  
ATTN: Jerry Smith

**1 Elza Trebor**  
Job Ticket: 51322      **DST#: 3**  
Test Start: 2012.12.20 @ 15:05:15

## GENERAL INFORMATION:

Formation: **H**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Straddle (Reset)**  
 Time Tool Opened: **17:05:15** Tester: **Mike Roberts**  
 Time Test Ended: **19:51:15** Unit No: **65**  
**Interval: 3815.00 ft (KB) To 3850.00 ft (KB) (TVD)** Reference Elevations: **2376.00 ft (KB)**  
 Total Depth: **4400.00 ft (KB) (TVD)** **2372.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **4.00 ft**

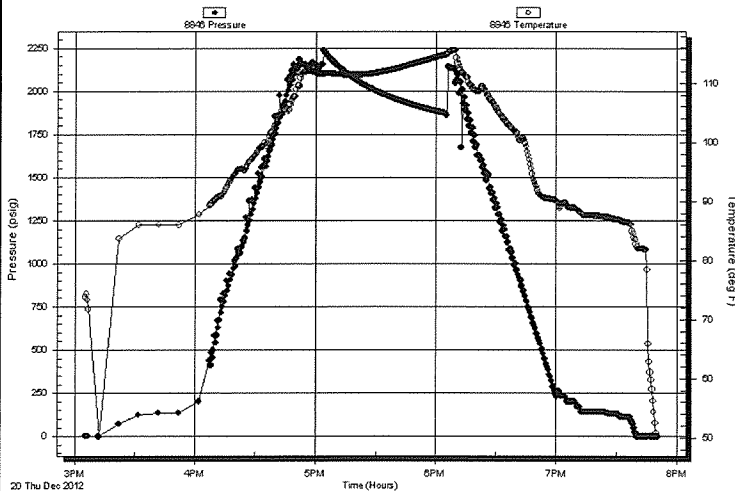
## Serial #: 8846

## Below (Straddle)

Press@RunDepth: **psig @ 4397.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2012.12.20** End Date: **2012.12.20** Last Calib.: **2012.12.20**  
 Start Time: **15:05:15** End Time: **19:50:30** Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF:Very weak surface blow died in 3 min.  
 IS:No return blow  
 FF:No blow  
 FS:No return blow

Pressure vs. Time



## PRESSURE SUMMARY

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

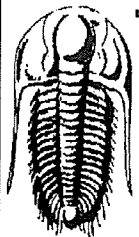
## Recovery

Length (ft)	Description	Volume (bbl)
186.00	mud 100% m	1.48

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15-26w Gove Co KS

4924 SE 84th St  
New ton KS  
67114

1 Elza Trebor

Job Ticket: 51322

DST#: 3

ATTN: Jerry Smith

Test Start: 2012.12.20 @ 15:05:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	mud 100% m	1.480

Total Length: 186.00 ft

Total Volume: 1.480 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

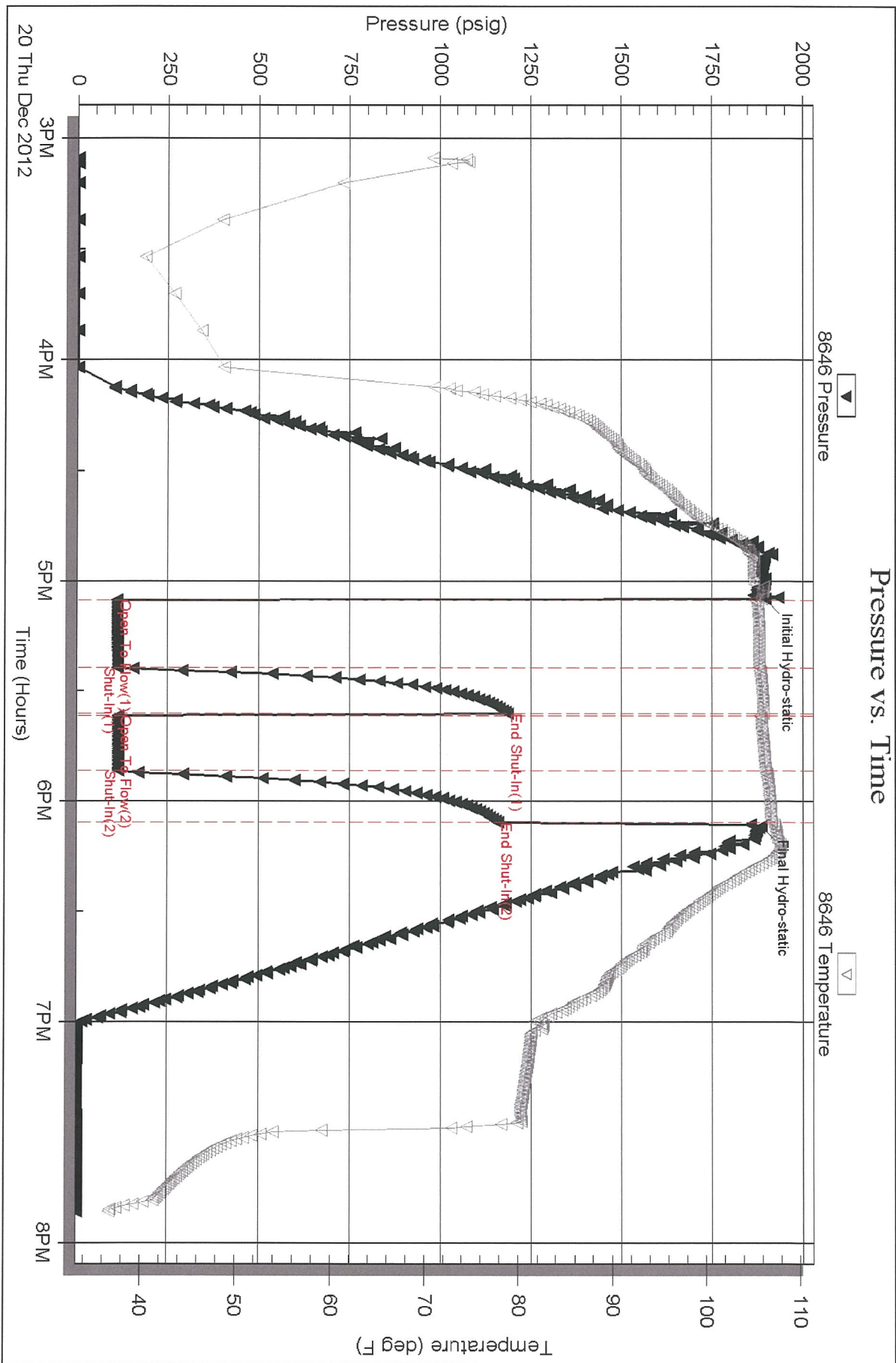
Serial #: 8646

Inside

Palomino Petroleum, Inc.

1 Eza Tebor

DST Test Number: 3



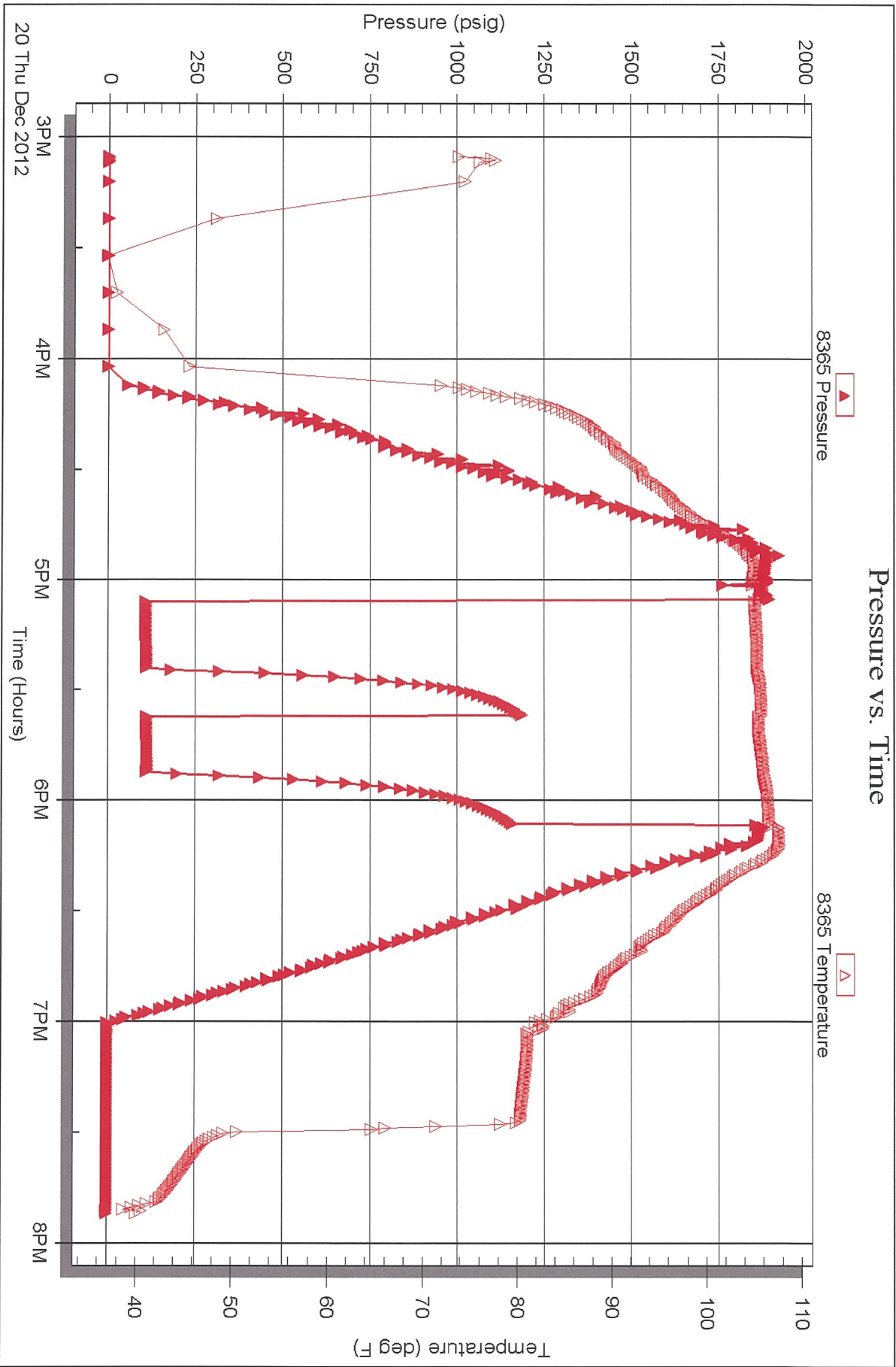
Serial #: 8365

Outside

Palomino Petroleum, Inc.

1 Eza Trebor

DST Test Number: 3



Trilobe Testing, Inc

Ref. No: 51322

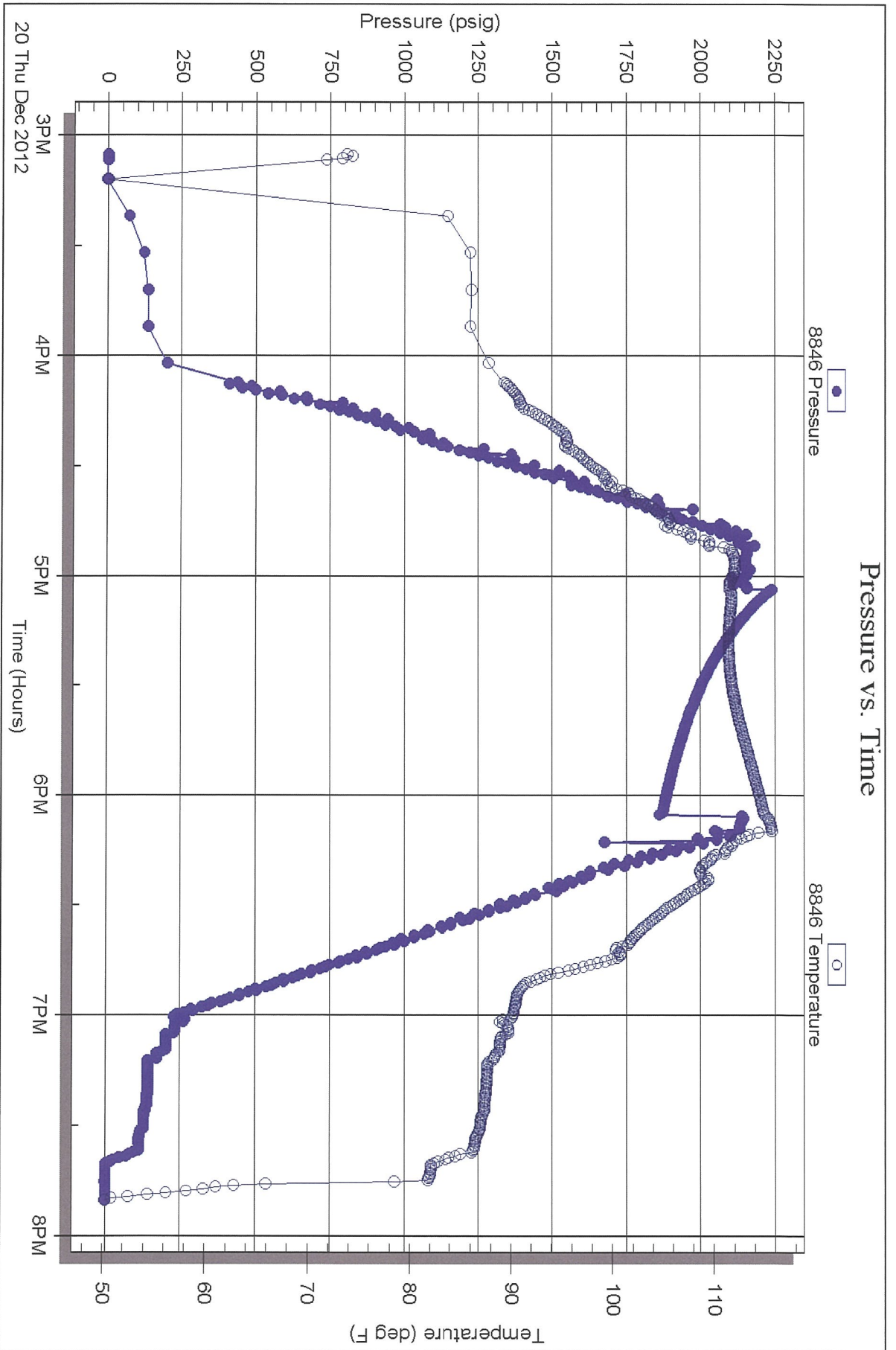
Printed: 2012.12.20 @ 20:50:02

Serial #: 8846

Below (Straterra) Petroleum, Inc.

1 Bza Trebor

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 51322

Printed: 2012.12.20 @ 20:50:02