



**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

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: \_\_\_\_\_



1095820

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Bentley-Horchem 1
Doc ID	1095820

Tops

Name	Top	Datum
Anhy.	2052	+ 601
Base Anhy.	2086	+ 567
Heebner	3913	-1260
Lansing	3953	-1300
BKC	4264	-1616
Marmaton	4317	-1664
Pawnee	4410	-1757
Ft. Scott	4468	-1815
Cherokee	4492	-1839
Miss.	4572	-1919
LTD	4657	-2004



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

RECEIVED  
AUG 06 2011  
**INVOICE**

Invoice Number: 132069  
Invoice Date: Jul 28, 2012  
Page: 1



<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Palo	Bentley-Horcher#1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Jul 28, 2012	8/27/12

Quantity	Item	Description	Unit Price	Amount
165.00	MAT	Class A Common	16.25	2,681.25
3.00	MAT	Gel	21.25	63.75
6.00	MAT	Chloride	58.20	349.20
178.24	SER	Cubic Feet	2.10	374.30
252.02	SER	Ton Mileage	2.35	592.27
1.00	SER	Surface	1,125.00	1,125.00
31.00	SER	Pump Truck Mileage	7.00	217.00
31.00	SER	Light Vehicle Mileage	4.00	124.00
1.00	EQUIP OPER	Greg Redetzke		
1.00	EQUIP OPER	Kevin Eddy		
1.00	EQUIP OPER	Joel Monahan		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1381.09

ONLY IF PAID ON OR BEFORE  
Aug 22, 2012

Subtotal	5,526.77
Sales Tax	194.93
Total Invoice Amount	5,721.70
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,721.70</b>

# ALLIED OIL & GAS SERVICES, LLC 053687

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Great Bend

DATE <u>9-28-12</u>	SEC <u>37</u>	TWP <u>16</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00 AM</u>	JOB FINISH <u>6:30 AM</u>
LEASE <u>Bentley-Horahew</u>	WELL# <u>1</u>	LOCATION <u>1 1/2 south east into</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)						<u>1.01</u>	<u>6.3</u>

CONTRACTOR Val #11 OWNER Palomino

TYPE OF JOB Surface

HOLE SIZE 8 1/2 T.D. 251 CEMENT AMOUNT ORDERED 165 JK Class A

CASING SIZE 8 1/2 DEPTH 251 300cc 200 gal

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 FT

PERFS.

DISPLACEMENT 15.03

**EQUIPMENT**

PUMP TRUCK CEMENTER 2 Greg R

# 266 HELPER 2 Kevin C

BULK TRUCK

# 311 DRIVER 2 Joel W

BULK TRUCK

# DRIVER

COMMON	<u>165</u>	@ <u>16.25</u>	<u>2,681.25</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@	
HANDLING	<u>178.34</u>	@ <u>2.10</u>	<u>374.30</u>
MILEAGE	<u>8.13 x 31</u>	@ <u>2.35</u>	<u>592.22</u>
	<u>252.02</u>	TOTAL	<u>4,060.22</u>

REMARKS:  
Person follows Circ W/Rig  
Mud Hook w/ 165 JK  
Class A 300cc 200 gal  
of 15.03 500 gal ready for  
plug in cement old Circ  
Rig  
Plug down @ 6:30 PM

**SERVICE**

DEPTH OF JOB 251

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE Hum 31 @ 7.00 217.00

MANIFOLD @

Hum 31 @ 4.00 124.00

CHARGE TO: Palomino

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 1466.00

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME James Slu Hr

SIGNATURE [Signature]

SALES TAX (If Any) 194.93

TOTAL CHARGES 5,526.22

DISCOUNT 252 1,381.52 IF PAID IN 30 DAYS

4,145.07



RECEIVED  
AUG 18 2012

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 132282

Invoice Date: Aug 7, 2012

Voice: (817) 546-7282  
Fax: (817) 246-3361

Page: 1



**Bill To:**  
Palomino Petroleum, Inc.  
4924 SE 84th St.  
Newton, KS 67114-8827

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Palo	BentleyHorshen	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	Aug 7, 2012	9/6/12

Quantity	Item	Description	Unit Price	Amount
174.00	MAT	Class A Common	16.25	2,827.50
116.00	MAT	Pozmix	8.50	986.00
10.00	MAT	Gel	21.25	212.50
72.00	MAT	Flo Seal	2.70	194.40
311.46	SER	Cubic Feet	2.10	654.06
403.00	SER	Ton Mileage	2.35	947.05
1.00	SER	Rotary Plug	1,250.00	1,250.00
31.00	SER	Pump Truck Mileage	7.00	217.00
31.00	SER	Light Vehicle Mileage	4.00	124.00
1.00	CEMENTER	Wayne Davis		
1.00	OPER ASSIST	John Campbell		
1.00	EQUIP OPER	Joshua Isaac		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1853.12

Subtotal	7,412.51
Sales Tax	466.99
Total Invoice Amount	7,879.50
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,879.50</b>

ONLY IF PAID ON OR BEFORE  
Sep 1, 2012

# ALLIED OIL & GAS SERVICES, LLC 053715

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend

DATE <u>8-7-12</u>	SEC. <u>33</u>	TWP. <u>16S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION	JOB START <u>1050 AM</u>	JOB FINISH <u>1130 AM</u>
LEASE <u>Rotary</u>			WELL#		LOCATION <u>2 west 1 South</u>	COUNTY <u>WCS</u>	STATE <u>KS</u>
<input checked="" type="checkbox"/> OLDOR NEW (Circle one)			<u>34 west North into</u>		2.03 <span style="float: right;">6.3 all</span>		

CONTRACTOR Wal 7  
 TYPE OF JOB Rotary Plus  
 HOLE SIZE 7 7/8 T.D. 4655  
 CASING SIZE DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 2090  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT

OWNER Palomino  
 CEMENT  
 AMOUNT ORDERED 290 SX 60/40 + 48 Gel  
+ 410 seal

EQUIPMENT

PUMP TRUCK CEMENTER Wayne Davis 1  
 # 398 HELPER Jahn Campbell 3  
 BULK TRUCK  
 # 482- DRIVER Joshua Isaac 2  
 BULK TRUCK  
 # DRIVER

COMMON	<u>174</u>	@ <u>16.25</u>	<u>2,827.50</u>
POZ MIX	<u>116</u>	@ <u>8.50</u>	<u>986.00</u>
GEL	<u>10</u>	@ <u>21.25</u>	<u>212.50</u>
CHLORIDE		@	
ASC		@	
	<u>110 seal</u>	<u>72</u>	@ <u>2.70</u> <u>194.40</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>311.76</u>	<u>4</u>	@ <u>2.10</u> <u>654.69</u>
MILEAGE	<u>13 x 31 x 2.35</u>		<u>947.05</u>
			TOTAL <u>5,821.51</u>

REMARKS:

1st Plus at 2090 mix 50 SX  
2nd Plus at 1280 mix 80 SX  
3rd Plus cut 700 mix 40 SX  
4th Plus at 270 mix 50 SX  
5th Plus at 60 mix 20 SX  
Rat hole mix 30 SX  
Mouse mix 20 SX

403.

SERVICE

DEPTH OF JOB	<u>2090</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>Hum 31</u>	@ <u>7.00</u>	<u>217.00</u>
MANIFOLD		@	
	<u>Hum 31</u>	@ <u>4.00</u>	<u>124.00</u>
		@	
			TOTAL <u>1591.00</u>

CHARGE TO: Palomino  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

PRINTED NAME James Shultz  
 SIGNATURE [Signature]

SALES TAX (If Any) 466.98  
 TOTAL CHARGES 7,412.51  
 DISCOUNT 25% 1,853.12 IF PAID IN 30 DAYS  
5,559.38



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th Street  
 Newton, KS. 67114-8827  
 ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
 Job Ticket: 47841 **DST#: 2**  
 Test Start: 2012.08.05 @ 05:52:46

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 07:51:46  
 Time Test Ended: 12:07:01  
 Interval: **4482.00 ft (KB) To 4592.00 ft (KB) (TVD)**  
 Total Depth: 4592.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2653.00 ft (KB)  
 2643.00 ft (CF)  
 KB to GR/CF: 10.00 ft

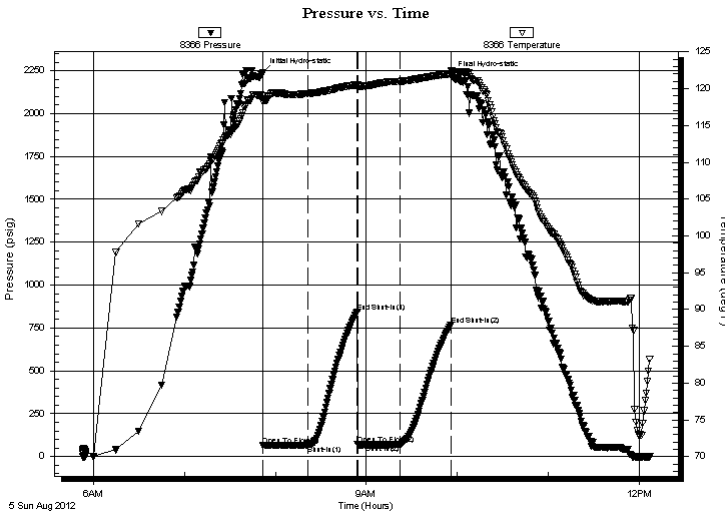
## Serial #: 8366

Inside

Press @ Run Depth: 69.20 psig @ 4579.00 ft (KB)  
 Start Date: 2012.08.05 End Date: 2012.08.05  
 Start Time: 05:52:48 End Time: 12:07:01  
 Capacity: 8000.00 psig  
 Last Calib.: 2012.08.05  
 Time On Btm: 2012.08.05 @ 07:51:31  
 Time Off Btm: 2012.08.05 @ 09:56:16

TEST COMMENT: IFP-Weak Blow , Died in 10 Min.  
 ISI-Dead  
 FFP-Dead  
 FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.00	119.12	Initial Hydro-static
1	65.11	118.22	Open To Flow (1)
31	66.96	119.33	Shut-In(1)
63	843.67	120.56	End Shut-In(1)
63	69.75	120.06	Open To Flow (2)
91	69.20	121.00	Shut-In(2)
125	768.50	122.04	End Shut-In(2)
125	2218.48	122.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM-10%O-90%M	0.14

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS. 67114-8827  
ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
Job Ticket: 47841      **DST#: 2**  
Test Start: 2012.08.05 @ 05:52:46

**Mud and Cushion Information**

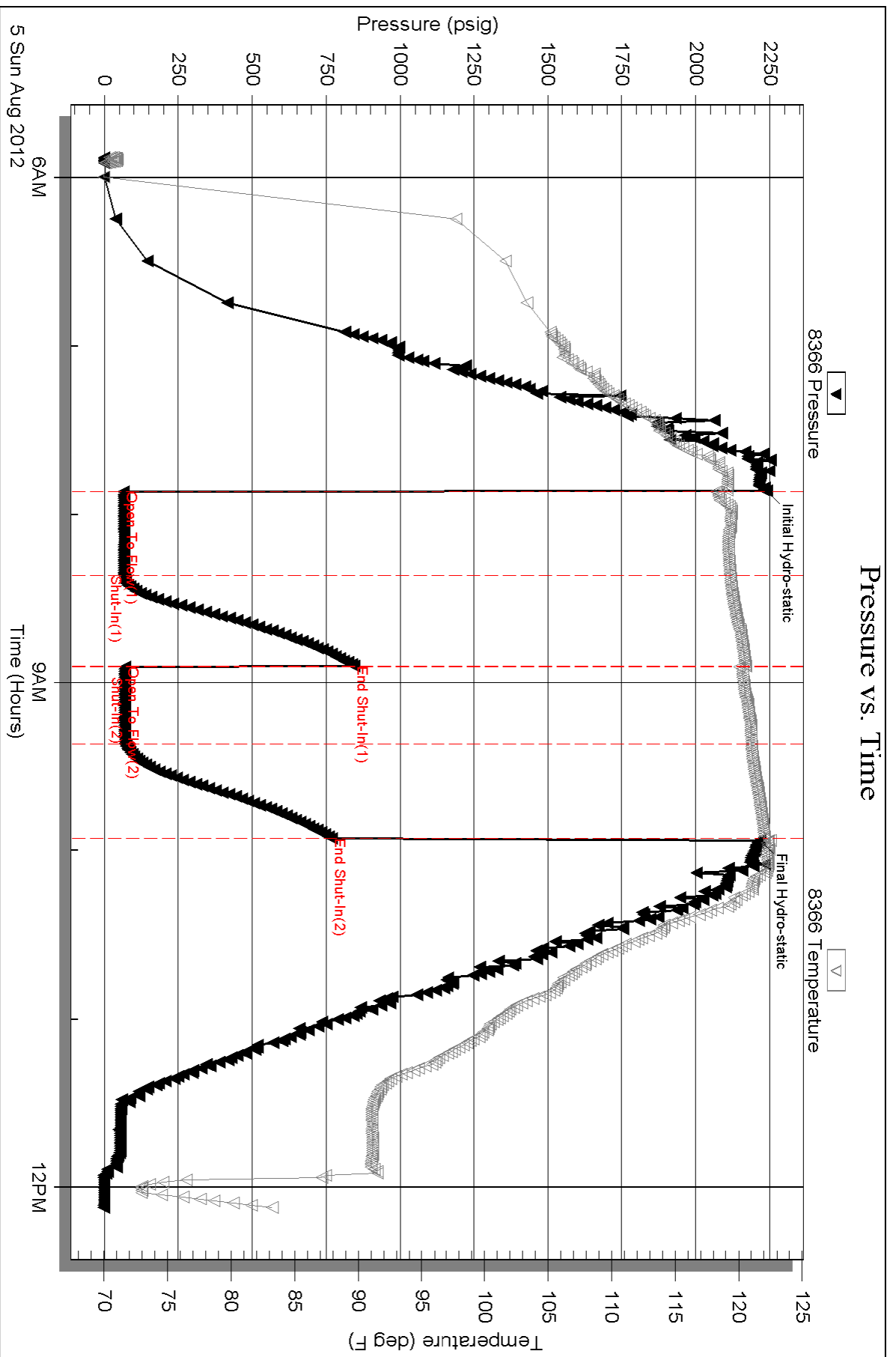
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM-10%O-90%M	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

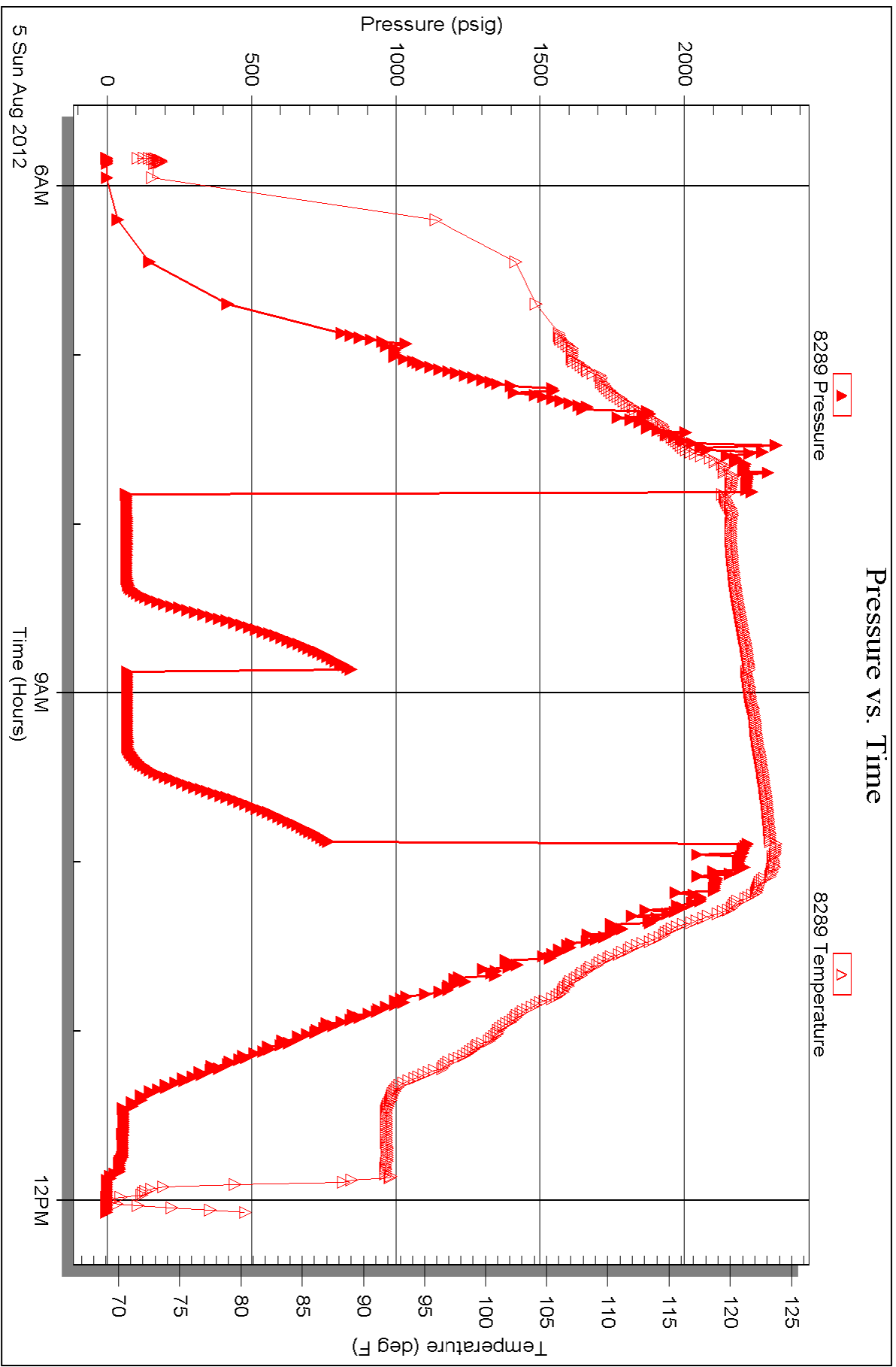


Serial #: 8289

Outside Palomino Petroleum, Inc.

Bentley-Horchem #1

DST Test Number: 2





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th Street  
 Newton, KS. 67114-8827  
 ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
 Job Ticket: 47842 **DST#: 3**  
 Test Start: 2012.08.05 @ 17:56:34

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 20:27:04  
 Time Test Ended: 01:38:04  
 Interval: **4482.00 ft (KB) To 4605.00 ft (KB) (TVD)**  
 Total Depth: 4605.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2653.00 ft (KB)  
 2643.00 ft (CF)  
 KB to GR/CF: 10.00 ft

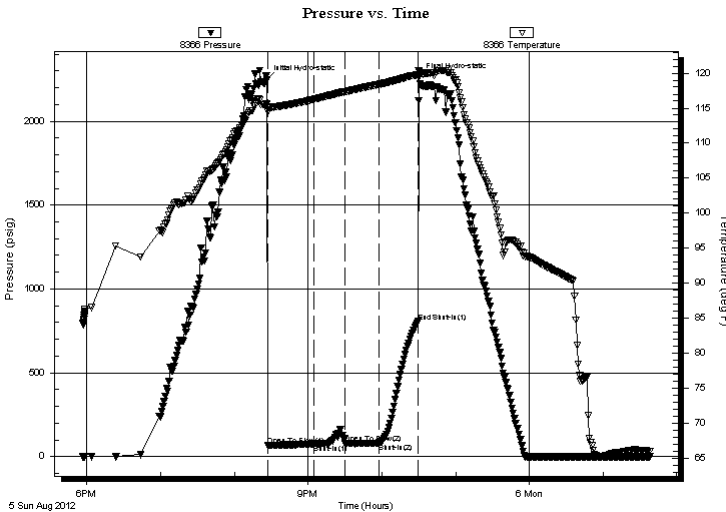
## Serial #: 8366

Inside

Press @ Run Depth: 74.69 psig @ 4579.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.08.05 End Date: 2012.08.06 Last Calib.: 2012.08.06  
 Start Time: 17:56:36 End Time: 01:38:04 Time On Btm: 2012.08.05 @ 20:26:34  
 Time Off Btm: 2012.08.05 @ 22:30:04

TEST COMMENT: IFP-Weak Blow , Built to 1"  
 ISI-Dead  
 FFP-Weak Blow , Built to 1/2"  
 FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.26	115.57	Initial Hydro-static
1	66.15	114.43	Open To Flow (1)
38	74.69	116.25	Shut-In(1)
64	78.08	117.34	Open To Flow (2)
92	81.28	118.40	Shut-In(2)
123	804.77	119.77	End Shut-In(1)
124	2264.14	120.14	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM-10%O-90%M	0.14

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS. 67114-8827  
ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
Job Ticket: 47842      **DST#: 3**  
Test Start: 2012.08.05 @ 17:56:34

**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: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM-10%O-90%M	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 8366

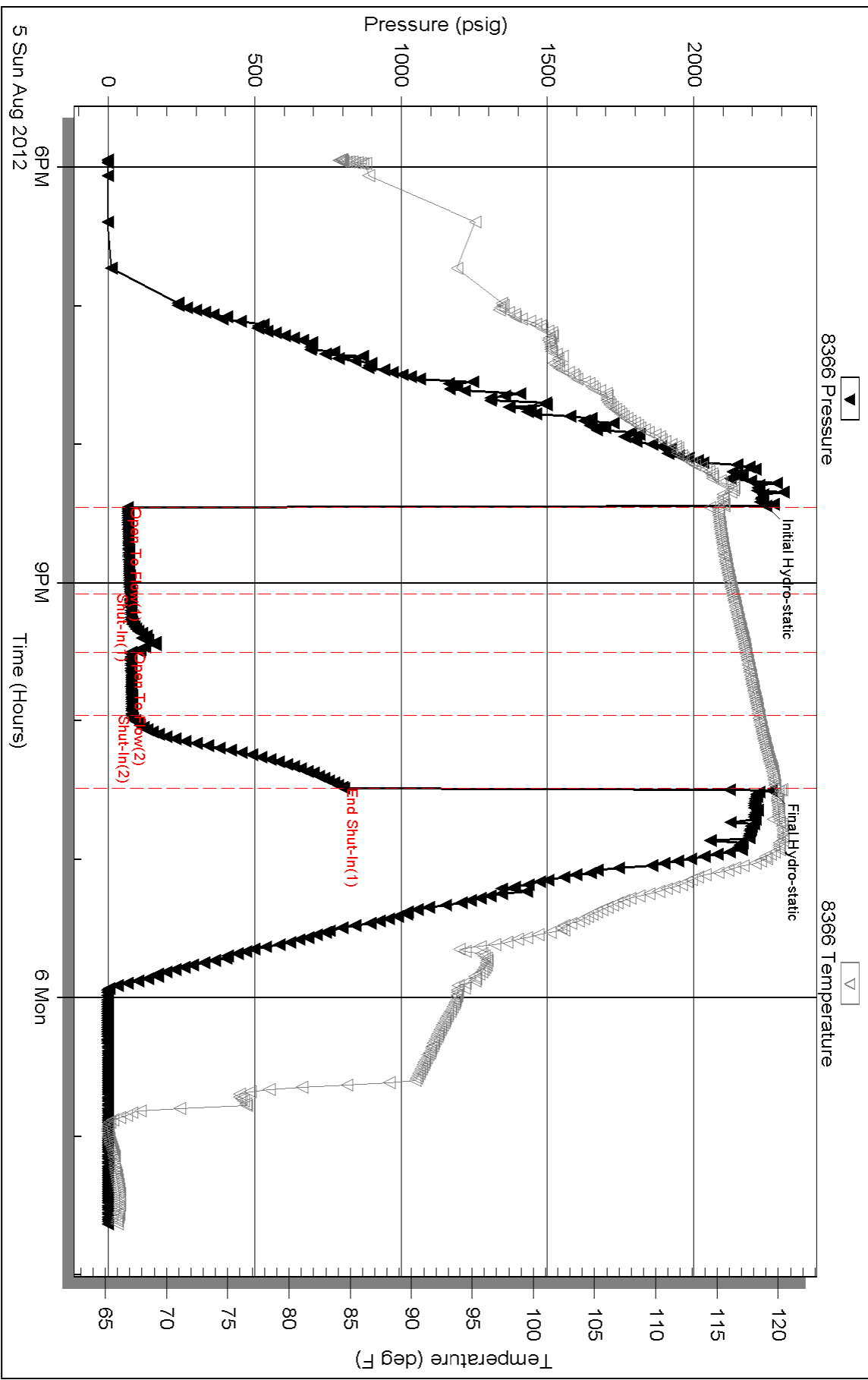
Inside

Palomino Petroleum, Inc.

Bentley-Horchem #1

DST Test Number: 3

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47842

Printed: 2012.08.06 @ 08:22:48



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc.  
 4924 SE 84th Street  
 Newton, KS. 67114-8827  
 ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
 Job Ticket: 48342 **DST#: 4**  
 Test Start: 2012.08.06 @ 16:35:00

## GENERAL INFORMATION:

Formation: **Kansas City "L"**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 19:07:45  
 Time Test Ended: 23:35:00  
 Interval: **4234.00 ft (KB) To 4262.00 ft (KB) (TVD)**  
 Total Depth: 4657.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Jace McKinney  
 Unit No: 46  
 Reference Elevations: 2653.00 ft (KB)  
 2643.00 ft (CF)  
 KB to GR/CF: 10.00 ft

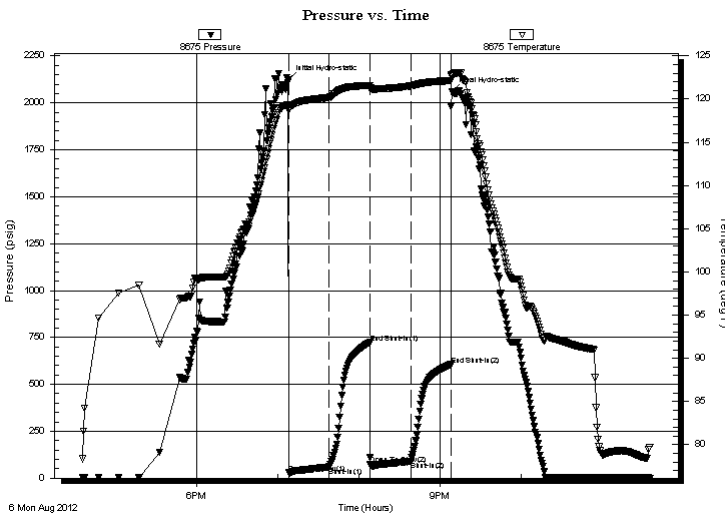
## Serial #: 8675

Inside

Press @ Run Depth: 90.89 psig @ 4235.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.08.06 End Date: 2012.08.06 Last Calib.: 2012.08.06  
 Start Time: 16:35:15 End Time: 23:35:00 Time On Btm: 2012.08.06 @ 19:07:30  
 Time Off Btm: 2012.08.06 @ 21:08:30

**TEST COMMENT:** B.O.B. in 6 1/2 min.  
 Bled off for 5 min. Built to 1" died to 1/2" return blow  
 B.O.B. in 3 min.  
 Bled off for 5 min. No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.15	119.35	Initial Hydro-static
1	28.30	118.66	Open To Flow (1)
31	59.70	120.17	Shut-In(1)
61	722.41	121.57	End Shut-In(1)
61	72.97	121.30	Open To Flow (2)
91	90.89	121.49	Shut-In(2)
121	604.84	122.14	End Shut-In(2)
121	2059.67	122.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	1605 Gas In Pipe	0.00
220.00	ocg 40%O 60%G	3.09
60.00	ocm 40%O 60%M	0.84

\* Recovery from multiple tests

## Gas Rates

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









**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc.  
4924 SE 84th Street  
New ton, KS. 67114-8827  
ATTN: Ryan Seib

**33-16s-26w-Ness**  
**Bentley-Horchem #1**  
Job Ticket: 48342      **DST#: 4**  
Test Start: 2012.08.06 @ 16:35:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3300.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1605 Gas In Pipe	0.000
220.00	ocg 40%O 60%G	3.086
60.00	ocm 40%O 60%M	0.842

Total Length: 280.00 ft      Total Volume: 3.928 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: API 37 @ 80 F = 35

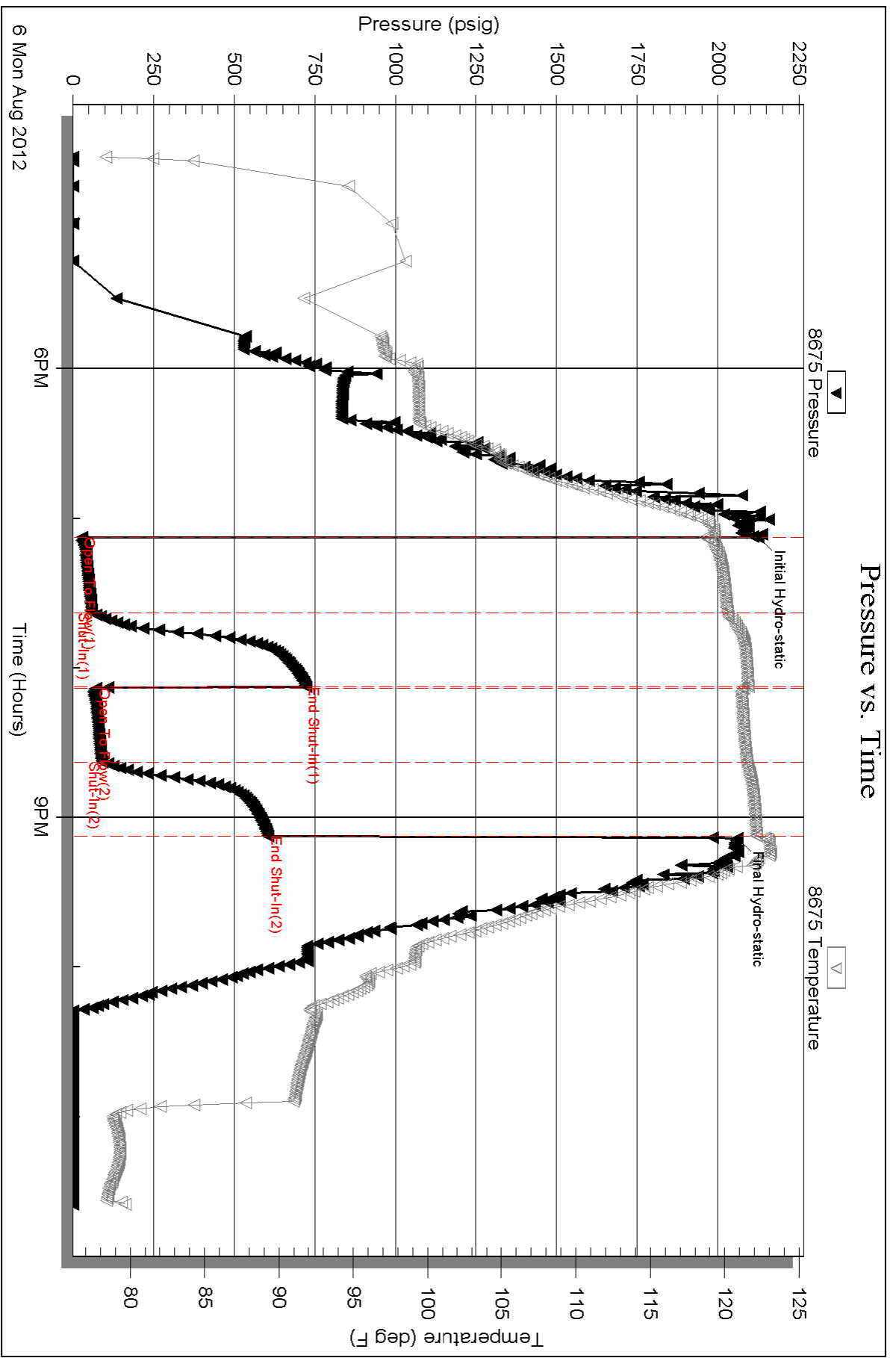
Serial #: 8675

Inside

Palomino Petroleum, Inc.

Bentley-Horchem #1

DST Test Number: 4

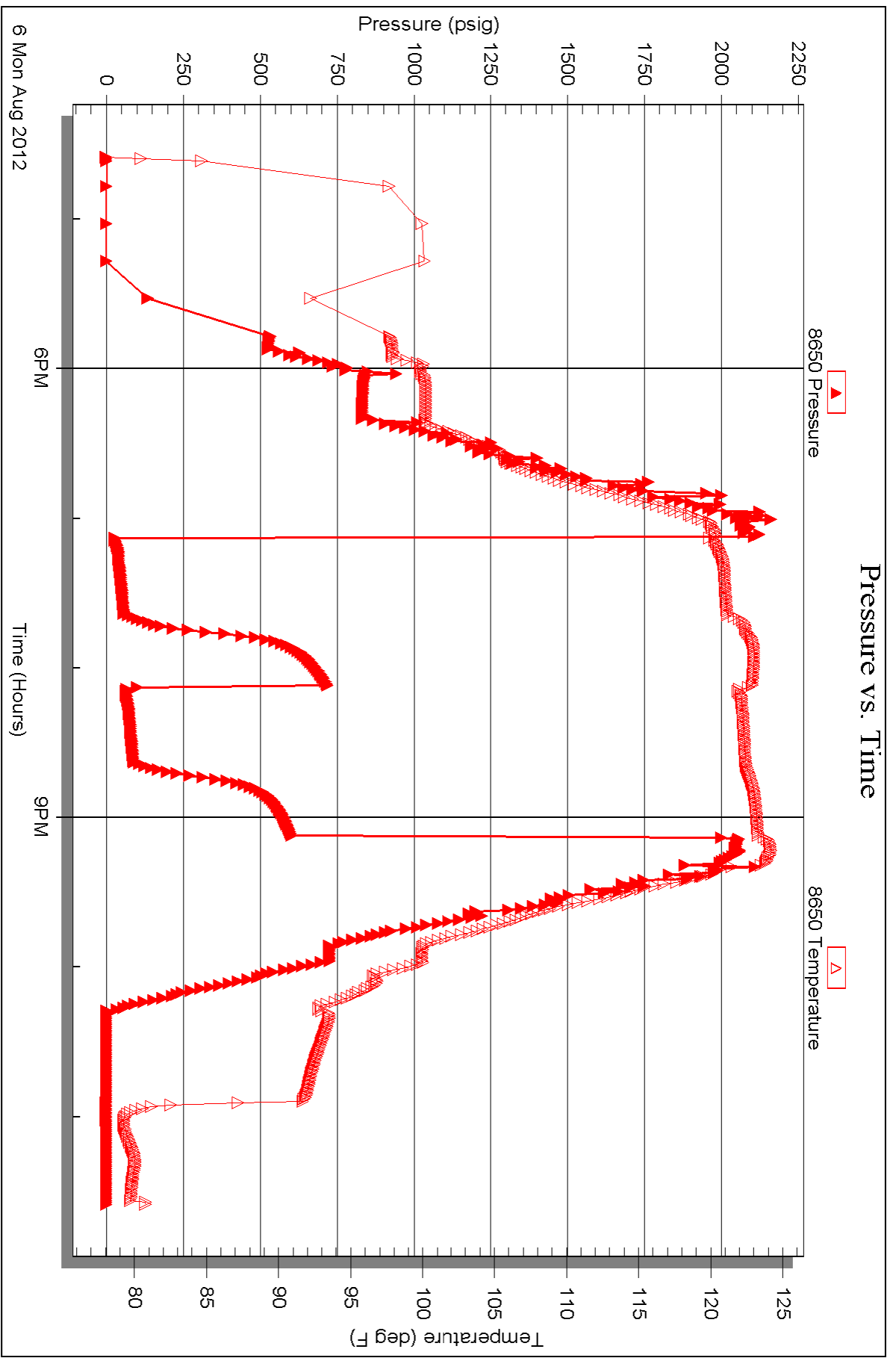


Serial #: 8650

Outside Palomino Petroleum, Inc.

Bentley-Horchem #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 48342

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