



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Incorporated**

4924 Southeast 84th Street
Newton, Kansas 67114+8827

ATTN: Ryan Seib

Eggers-Horchem #1

28/19S/25W/Ness

Start Date: 2012.09.09 @ 06:41:00

End Date: 2012.09.09 @ 14:40:30

Job Ticket #: 17829 DST #: 4

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2012.09.09 @ 15:07:00

Palomino Petroleum Incorporated
28/19S/25W/Ness
Eggers-Horchem #1
DST # 4
Mississippi
2012.09.09



DRILL STEM TEST REPORT

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 New ton, Kansas 67114+8827
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28/19S/25W/Ness
Eggers-Horchem #1
 Job Ticket: 17829 **DST#: 4**
 Test Start: 2012.09.09 @ 06:41:00

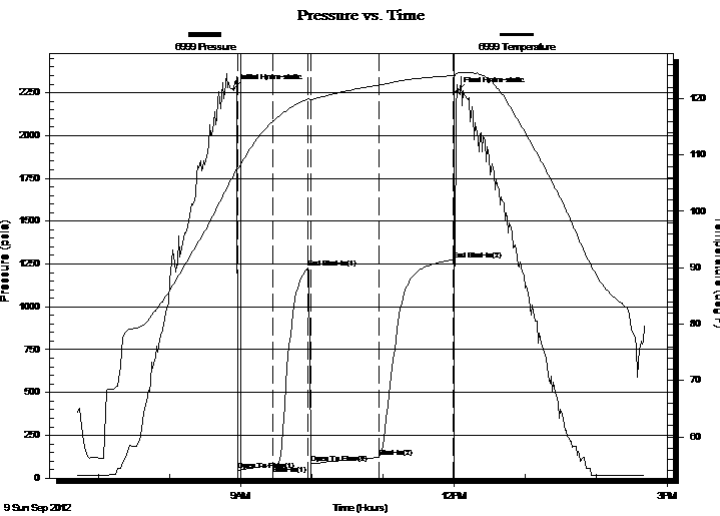
GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 08:57:30 Tester: Ken Swinney
 Time Test Ended: 14:40:30 Unit No: 3325 Scott City/110
 Interval: **4535.00 ft (KB) To 4559.00 ft (KB) (TVD)** Reference Elevations: 2507.00 ft (KB)
 Total Depth: 4650.00 ft (KB) (TVD) 2495.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 6999

Press @ RunDepth: 121.08 psia @ 4552.96 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.09 End Date: 2012.09.09 Last Calib.: 2012.09.09
 Start Time: 06:41:00 End Time: 14:40:30 Time On Btm: 2012.09.09 @ 08:54:00
 Time Off Btm: 2012.09.09 @ 12:02:00

TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow built to 6 inches in bucket of w ater
 1ST Shut In 30 Minutes/No blow back
 2ND Open 60 Minutes/Fair blow/Blow built to 6 inches in bucket of w ater
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2272.12	106.65	Initial Hydro-static
4	44.26	107.58	Open To Flow (1)
33	75.98	116.00	Shut-In(1)
63	1224.34	119.93	End Shut-In(1)
65	85.16	119.84	Open To Flow (2)
123	121.08	122.39	Shut-In(2)
185	1274.63	124.07	End Shut-In(2)
188	2255.55	124.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oilly Mud	0.30
0.00	Oil 10% Mud 90%	0.00
150.00	Slightly gassy Oil	0.74
0.00	Gas 5% Oil 95%	0.00
0.00	Corrected Specific Gravity of Oil 37	0.00

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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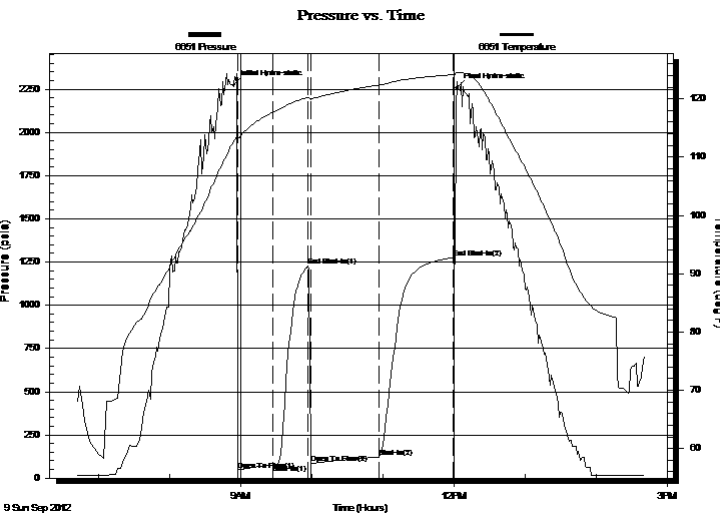
GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:57:30
 Time Test Ended: 14:40:30
 Interval: **4535.00 ft (KB) To 4559.00 ft (KB) (TVD)**
 Total Depth: 4650.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Scott City/110
 Reference Elevations: 2507.00 ft (KB)
 2495.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6651

Press @ RunDepth: 1276.12 psia @ 4552.96 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.09 End Date: 2012.09.09 Last Calib.: 2012.09.09
 Start Time: 06:41:00 End Time: 14:41:00 Time On Btm: 2012.09.09 @ 08:54:00
 Time Off Btm: 2012.09.09 @ 12:02:00

TEST COMMENT: 1ST Open 30 Minutes/Fair blow/Blow built to 6 inches in bucket of water
 1ST Shut In 30 Minutes/No blow back
 2ND Open 60 Minutes/Fair blow/Blow built to 6 inches in bucket of water
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2273.84	112.78	Initial Hydro-static
4	45.77	113.13	Open To Flow (1)
33	77.05	117.70	Shut-In(1)
63	1225.73	120.23	End Shut-In(1)
65	86.30	120.04	Open To Flow (2)
123	122.48	122.38	Shut-In(2)
185	1276.12	124.15	End Shut-In(2)
188	2256.38	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Oilly Mud	0.30
0.00	Oil 10% Mud 90%	0.00
150.00	Slightly gassy Oil	0.74
0.00	Gas 5% Oil 95%	0.00
0.00	Corrected Specific Gravity of Oil 37	0.00

Gas Rates

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



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TOOL DIAGRAM

Palomino Petroleum Incorporated

28/19S/25W/Ness

4924 Southeast 84th Street
New ton, Kansas 67114+8827

Eggers-Horchem #1

Job Ticket: 17829

DST#: 4

ATTN: Ryan Seib

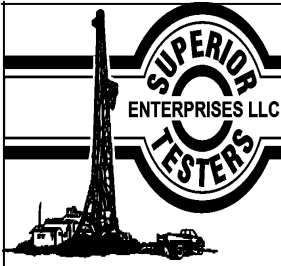
Test Start: 2012.09.09 @ 06:41:00

Tool Information

Drill Pipe:	Length: 4221.00 ft	Diameter: 3.80 inches	Volume: 59.21 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 60.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4535.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	4553.63 ft			
Interval between Packers:	18.63 ft			
Tool Length:	135.96 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4518.00	
Hydraulic Tool	5.00			4523.00	
Jars	5.00			4528.00	
Safety Joint	2.00			4530.00	
Packer	5.00			4535.00	22.00 Bottom Of Top Packer
Perforations	13.00			4548.00	
Handling Sub	4.96			4552.96	
Recorder	0.00	6651		4552.96	
Recorder	0.00	6999		4552.96	
Blank Off Sub	0.67			4553.63	
Packer	5.00			4558.63	18.63 Tool Interval
Packer	5.00			4563.63	
Perforations	18.00			4581.63	
Change over sub	0.64			4582.27	
Drill Pipe	63.03			4645.30	
Change over sub	0.66			4645.96	
Recorder	0.00	6749		4645.96	
Bull plug	3.00			4648.96	95.33 Bottom Packers & Anchor

Total Tool Length: 135.96



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FLUID SUMMARY

Palomino Petroleum Incorporated

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Job Ticket: 17829

DST#: 4

ATTN: Ryan Seib

Test Start: 2012.09.09 @ 06:41:00

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: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Oilly Mud	0.295
0.00	Oil 10% Mud 90%	0.000
150.00	Slightly gassy Oil	0.738
0.00	Gas 5% Oil 95%	0.000
0.00	Corrected Specific Gravity of Oil 37	0.000

Total Length: 210.00 ft

Total Volume: 1.033 bbl

Num Fluid Samples: 0

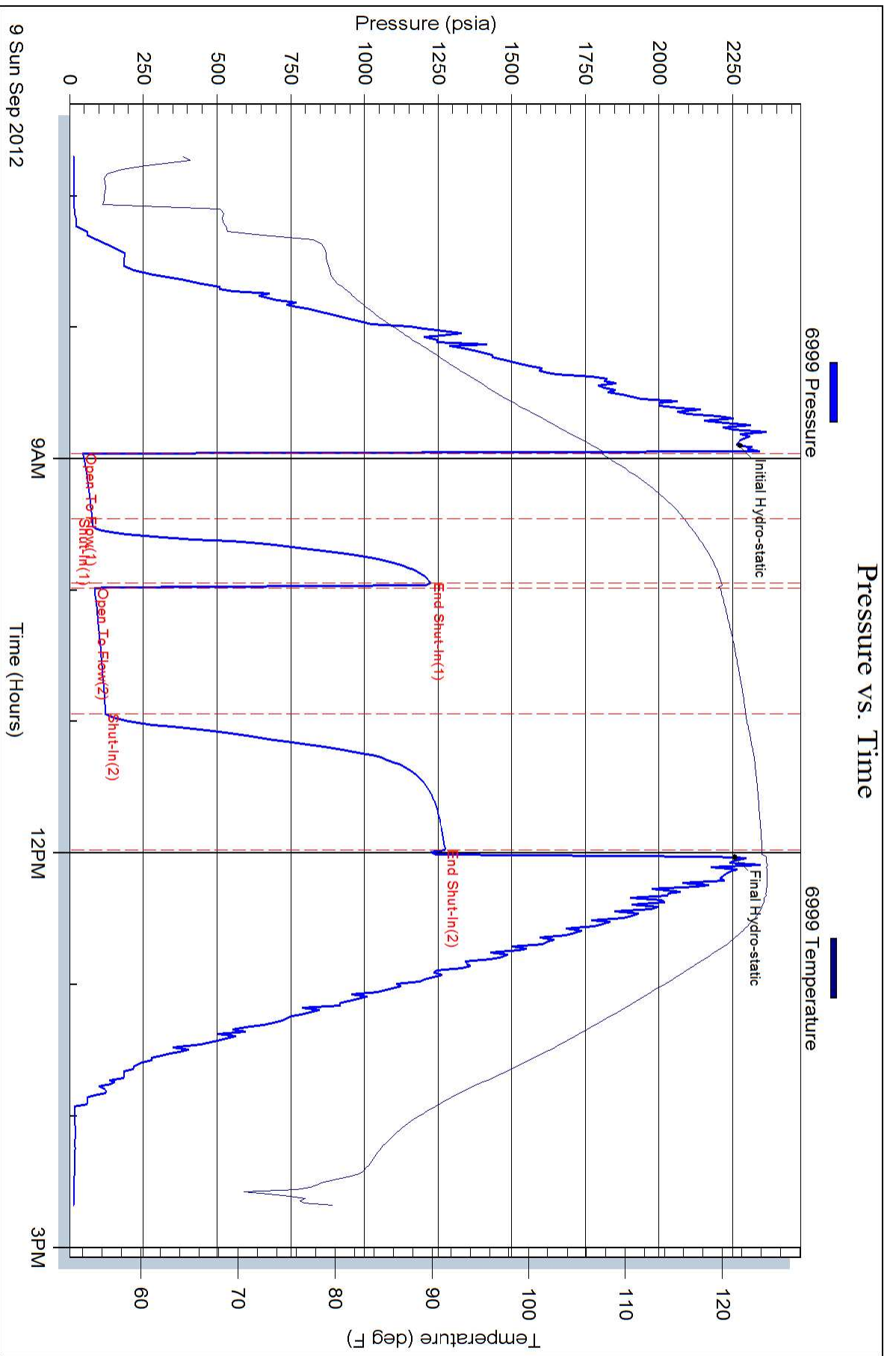
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

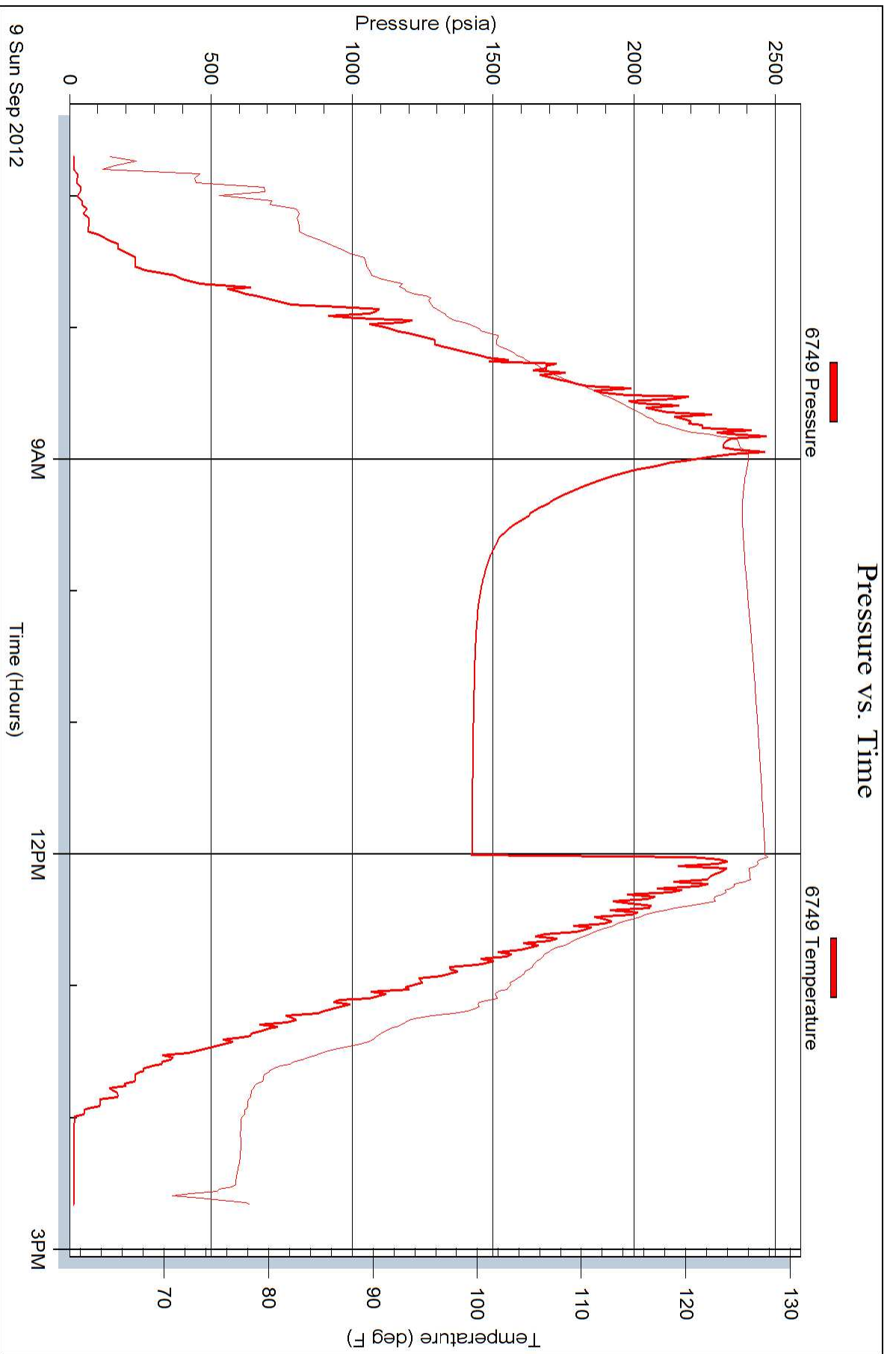


Serial #: 6749

Palomino Petroleum Incorporated

Eggers-Horchem #1

DST Test Number: 4



Superior Testers Enterprises LLC

Ref. No: 17829

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