



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: 2012.09.08 @ 08:08:00

End Date: 2012.09.08 @ 14:36:00

Job Ticket #: 18828 DST #: 3

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

Printed: 2012.09.08 @ 14:57:32

Palomino Petroleum Incorporated
28/19S/25W/Ness
Eggers-Horchem #1
DST # 3
Mississippi
2012.09.08



DRILL STEM TEST REPORT

Palomino Petroleum Incorporated
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 New ton, Kansas 67114+8827
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28/19S/25W/Ness
Eggers-Horchem #1
 Job Ticket: 18828 **DST#: 3**
 Test Start: 2012.09.08 @ 08:08:00

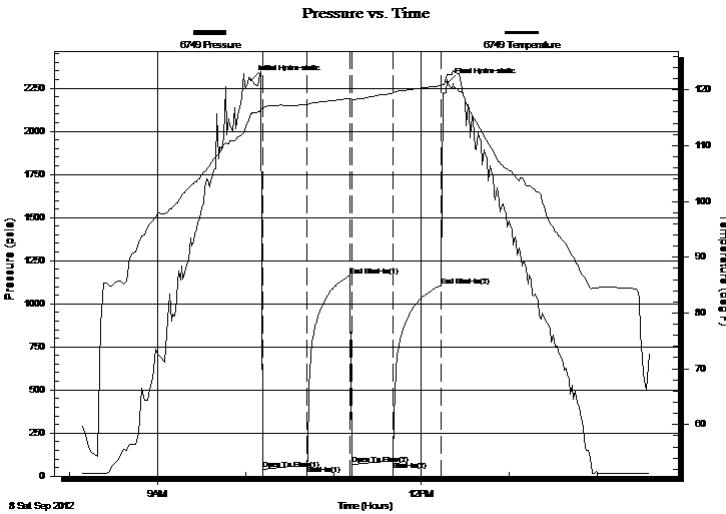
GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:11:30 Tester: Ken Swinney
 Time Test Ended: 14:36:00 Unit No: 3325 Scott City/110
 Interval: **4558.00 ft (KB) To 4571.00 ft (KB) (TVD)** Reference Elevations: 2507.00 ft (KB)
 Total Depth: 4571.00 ft (KB) (TVD) 2495.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 6749 Inside
 Press @ Run Depth: 88.35 psia @ 4567.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
 Start Time: 08:08:00 End Time: 14:36:00 Time On Btm: 2012.09.08 @ 10:04:00
 Time Off Btm: 2012.09.08 @ 12:18:00

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2298.99	115.79	Initial Hydro-static
8	38.65	116.66	Open To Flow (1)
38	64.11	117.32	Shut-In(1)
67	1162.90	118.47	End Shut-In(1)
69	67.39	118.23	Open To Flow (2)
97	88.35	119.42	Shut-In(2)
130	1104.87	120.76	End Shut-In(2)
134	2284.49	122.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Water	0.59
0.00	Mud 20% Water 80%	0.00
0.00	Recovery Chorides 20000 ppm	0.00
0.00	Recov. Resist. .25 ohms @ 80 deg.	0.00

Gas Rates

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



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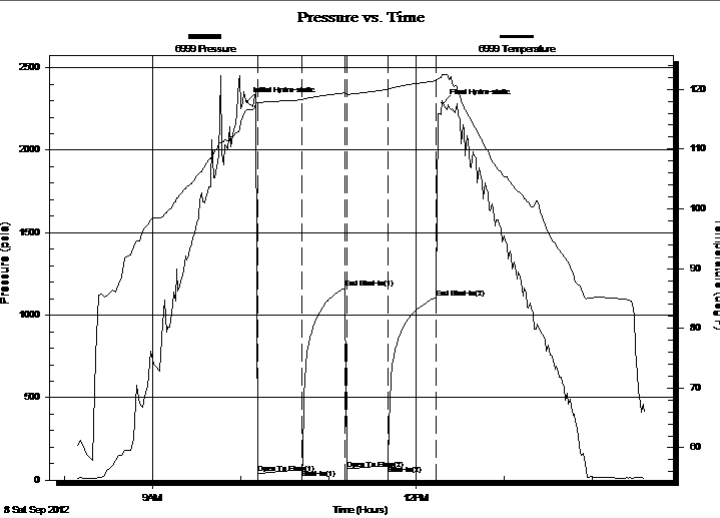
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Eggers-Horchem #1
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 Time Test Ended: 14:36:00 Unit No: 3325 Scott City/110
 Interval: **4558.00 ft (KB) To 4571.00 ft (KB) (TVD)** Reference Elevations: 2507.00 ft (KB)
 Total Depth: 4571.00 ft (KB) (TVD) 2495.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 6999 Outside
 Press @ Run Depth: 1104.77 psia @ 4568.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.08 End Date: 2012.09.08 Last Calib.: 2012.09.08
 Start Time: 08:08:00 End Time: 14:36:00 Time On Btm: 2012.09.08 @ 10:04:30
 Time Off Btm: 2012.09.08 @ 12:18:00

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



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2293.17	116.56	Initial Hydro-static
7	38.50	117.81	Open To Flow (1)
38	63.33	118.24	Shut-In(1)
67	1162.45	119.41	End Shut-In(1)
68	67.04	119.19	Open To Flow (2)
96	87.53	119.99	Shut-In(2)
129	1104.77	121.43	End Shut-In(2)
134	2285.09	122.46	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	Muddy Water	0.59
0.00	Mud 20% Water 80%	0.00
0.00	Recovery Chorides 20000 ppm	0.00
0.00	Recov. Resist. .25 ohms @ 80 deg.	0.00

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Incorporated

28/19S/25W/Ness

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

Eggers-Horchem #1

Job Ticket: 18828

DST#: 3

ATTN: Ryan Seib

Test Start: 2012.09.08 @ 08:08:00

Tool Information

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.80 inches	Volume: 59.59 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: 90000.00 lb
			<u>Total Volume: 61.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4558.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4536.00	
Hydraulic Tool	5.00			4541.00	
Jars	5.00			4546.00	
Safety Joint	2.00			4548.00	
Packer	5.00			4553.00	27.00 Bottom Of Top Packer
Packer	5.00			4558.00	
Anchor	8.00			4566.00	
Recorder	1.00	6749	Inside	4567.00	
Recorder	1.00	6999	Outside	4568.00	
Bullnose	3.00			4571.00	13.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



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FLUID SUMMARY

Palomino Petroleum Incorporated

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Job Ticket: 18828

DST#: 3

ATTN: Ryan Seib

Test Start: 2012.09.08 @ 08:08:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 70.00 sec/qt
Water Loss: 6.80 in³
Resistivity: ohm.m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy Water	0.590
0.00	Mud 20% Water 80%	0.000
0.00	Recovery Chorides 20000 ppm	0.000
0.00	Recov. Resist. .25 ohms @ 80 deg.	0.000

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

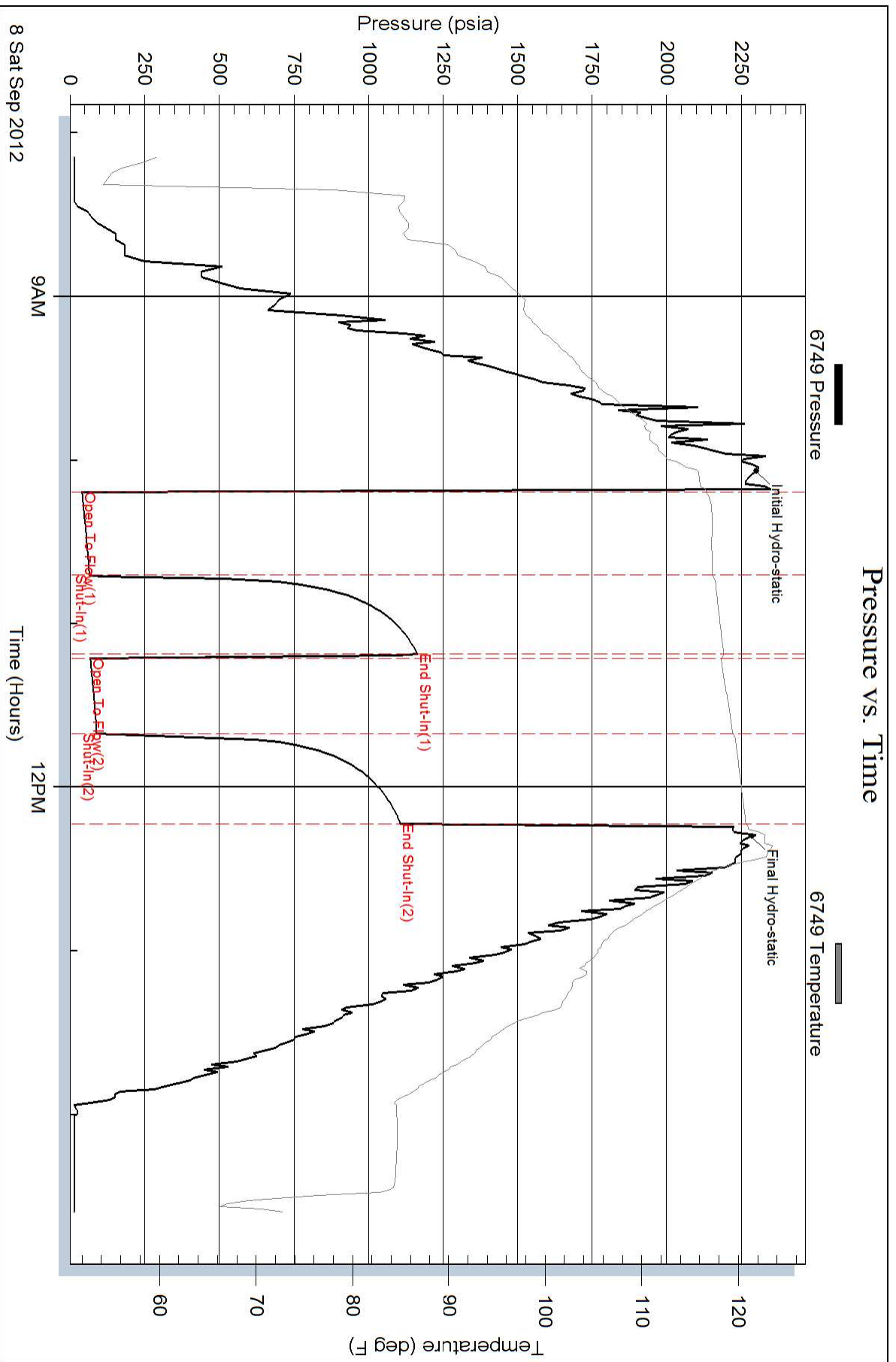
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 6999

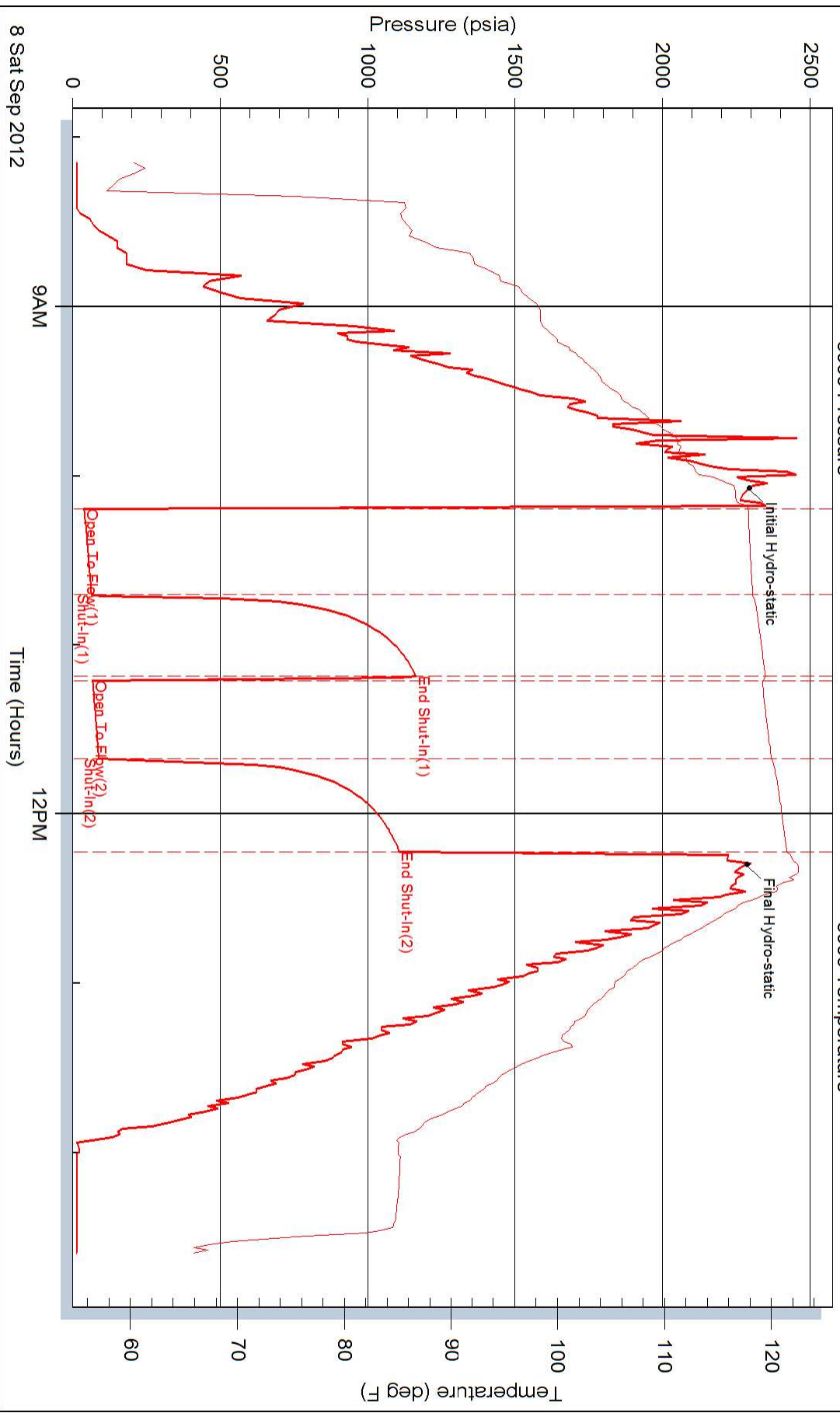
Outside

Palomino Petroleum Incorporated

Eggers-Horchem #1

DST Test Number: 3

Pressure vs. Time



Superior Testers Enterprises LLC

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