



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton KS 67114

ATTN: Ryan Seib

18-1 #1

18-15s-25w Trego KS

Start Date: 2012.10.21 @ 07:45:04

End Date: 2012.10.21 @ 12:23:04

Job Ticket #: 48468 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.25 @ 14:56:37



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 New ton KS 67114
 ATTN: Ryan Seib

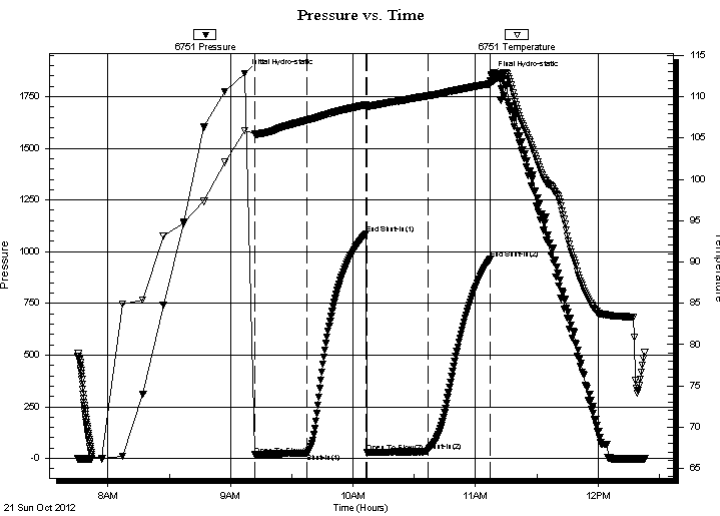
18-15s-25w Trego KS
18-1 #1
 Job Ticket: 48468 **DST#: 1**
 Test Start: 2012.10.21 @ 07:45:04

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:12:04
 Time Test Ended: 12:23:04
 Interval: **3880.00 ft (KB) To 3949.00 ft (KB) (TVD)**
 Total Depth: 3949.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 62
 Reference Elevations: 2426.00 ft (KB)
 2421.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6751 Outside
 Press @ Run Depth: 32.93 psig @ 3881.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.21 End Date: 2012.10.21 Last Calib.: 2012.10.21
 Start Time: 07:45:09 End Time: 12:23:03 Time On Btm: 2012.10.21 @ 09:07:04
 Time Off Btm: 2012.10.21 @ 11:07:34

TEST COMMENT: IF-Weak surface blow built to 1/4" and stayed
 ISI-Dead no return
 FF-Dead No Blow
 FSI-Dead No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.86	105.88	Initial Hydro-static
5	17.29	105.55	Open To Flow (1)
31	25.85	107.14	Shut-In(1)
60	1086.74	109.02	End Shut-In(1)
60	28.12	108.77	Open To Flow (2)
90	32.93	110.09	Shut-In(2)
120	962.99	111.56	End Shut-In(2)
121	1852.37	111.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% M Few oil spots	0.10

Gas Rates

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



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DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 New ton KS 67114
 ATTN: Ryan Seib

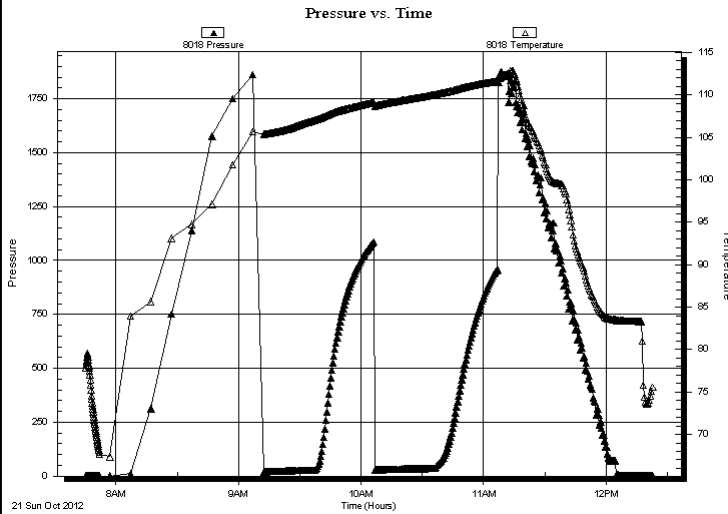
18-15s-25w Trego KS
18-1 #1
 Job Ticket: 48468 **DST#: 1**
 Test Start: 2012.10.21 @ 07:45:04

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:12:04
 Time Test Ended: 12:23:04
 Interval: **3880.00 ft (KB) To 3949.00 ft (KB) (TVD)**
 Total Depth: 3949.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Tate Lang
 Unit No: 62
 Reference Elevations: 2426.00 ft (KB)
 2421.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018 Inside
 Press @ Run Depth: psig @ 3881.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.21 End Date: 2012.10.21 Last Calib.: 2012.10.21
 Start Time: 07:45:05 End Time: 12:22:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Weak surface blow built to 1/4" and stayed
 IS-Dead no return
 FF-Dead No Blow
 FS-Dead No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% M Few oil spots	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48468 **DST#: 1**
Test Start: 2012.10.21 @ 07:45:04

Tool Information

Drill Pipe:	Length: 3759.00 ft	Diameter: 3.80 inches	Volume: 52.73 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 53.35 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.50 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3880.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	69.00 ft				
Tool Length:	91.50 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3858.50	
Shut In Tool	5.00			3863.50	
Hydraulic tool	5.00			3868.50	
Safety Joint	2.50			3871.00	
Packer	5.00			3876.00	22.50 Bottom Of Top Packer
Packer	4.00			3880.00	
Stubb	1.00			3881.00	
Recorder	0.00	8018	Inside	3881.00	
Recorder	0.00	6751	Outside	3881.00	
Change Over Sub	1.00			3882.00	
Drill Pipe	63.00			3945.00	
Change Over Sub	1.00			3946.00	
Bullnose	3.00			3949.00	69.00 Bottom Packers & Anchor

Total Tool Length: 91.50



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48468 **DST#: 1**
Test Start: 2012.10.21 @ 07:45:04

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 1.00 inches			

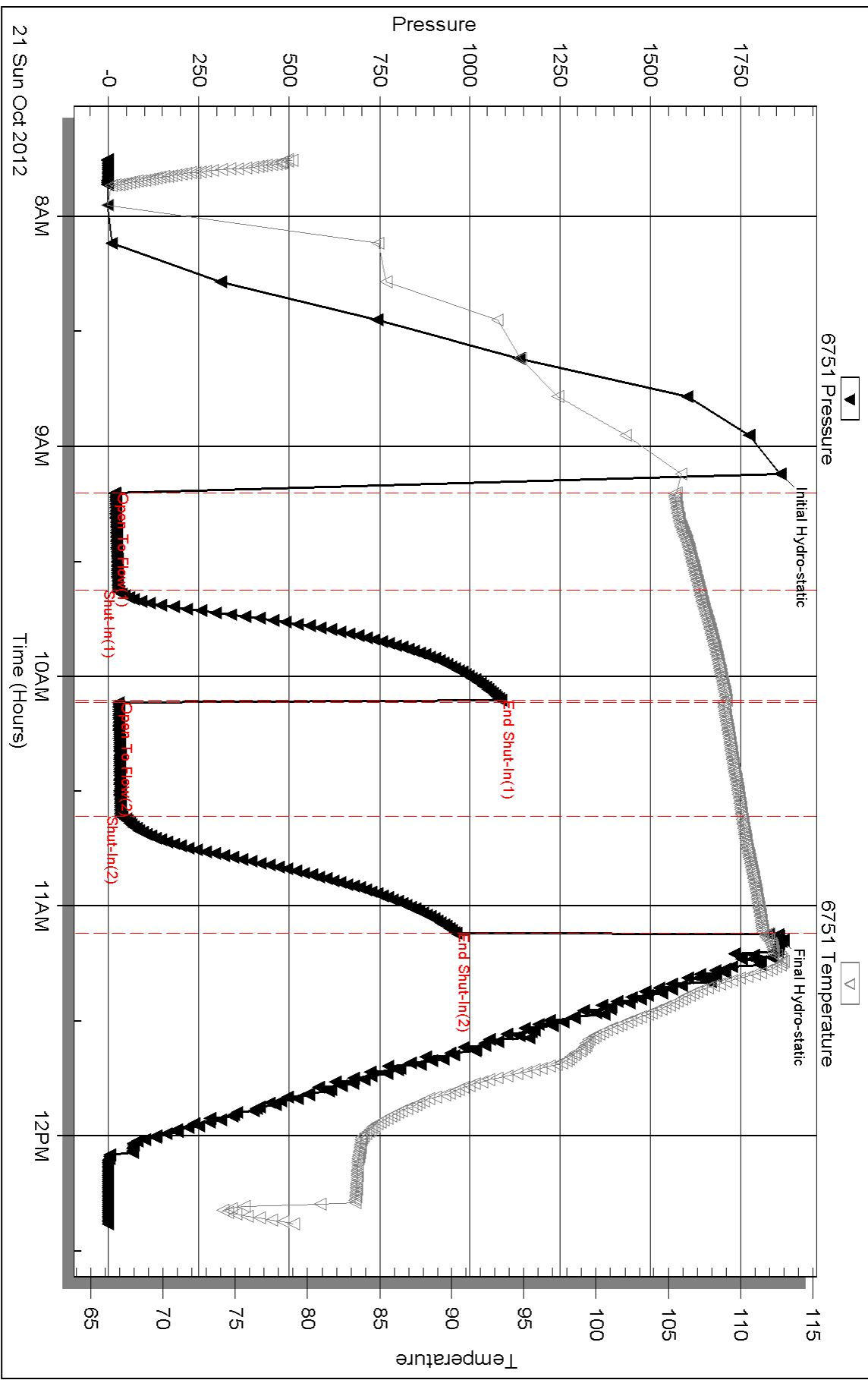
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% M Few oil spots	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



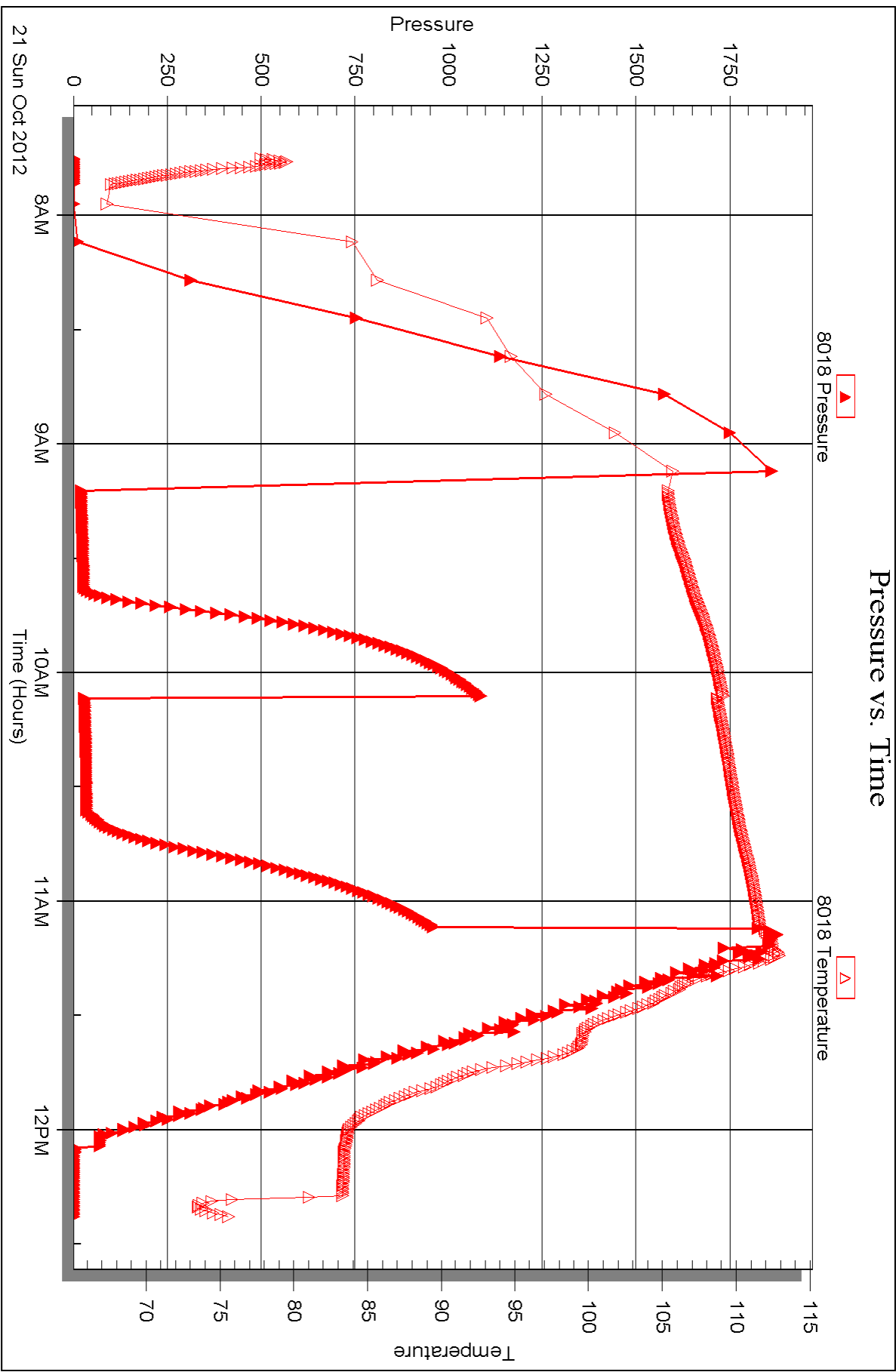
Serial #: 8018

Inside

Palomino Petroleum

18-1 #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton KS 67114

ATTN: Ryan Seib

18-1 #1

18-15s-25w Trego KS

Start Date: 2012.10.21 @ 18:14:29

End Date: 2012.10.21 @ 23:14:46

Job Ticket #: 48469 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.25 @ 14:55:41



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 New ton KS 67114
 ATTN: Ryan Seib

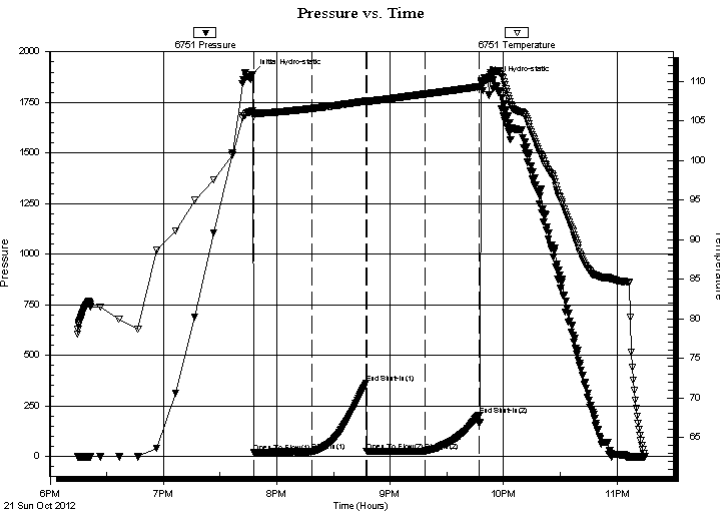
18-15s-25w Trego KS
18-1 #1
 Job Ticket: 48469 **DST#: 2**
 Test Start: 2012.10.21 @ 18:14:29

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:47:44
 Time Test Ended: 23:14:46
 Interval: **3927.00 ft (KB) To 3969.00 ft (KB) (TVD)**
 Total Depth: 3969.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 62
 Reference Elevations: 2426.00 ft (KB)
 2421.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6751 Outside
 Press @ Run Depth: 26.05 psig @ 3932.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.21 End Date: 2012.10.21 Last Calib.: 2012.10.21
 Start Time: 18:14:34 End Time: 23:14:47 Time On Btm: 2012.10.21 @ 19:47:29
 Time Off Btm: 2012.10.21 @ 21:48:29

TEST COMMENT: IF-Weak Surface Blow Built to 1/4"
 ISI-Dead No Return
 FF-Dead No Blow
 FSI-Dead No Return Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.17	106.34	Initial Hydro-static
1	20.58	105.59	Open To Flow (1)
32	23.95	106.57	Shut-In(1)
60	362.15	107.51	End Shut-In(1)
60	24.35	107.38	Open To Flow (2)
91	26.05	108.38	Shut-In(2)
120	201.67	109.31	End Shut-In(2)
121	1856.48	109.69	Final Hydro-static

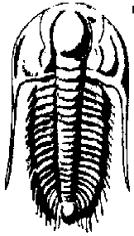
Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% M	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

18-15s-25w Trego KS

4924 SE 84th ST
New ton KS 67114

18-1 #1

Job Ticket: 48469

DST#: 2

ATTN: Ryan Seib

Test Start: 2012.10.21 @ 18:14:29

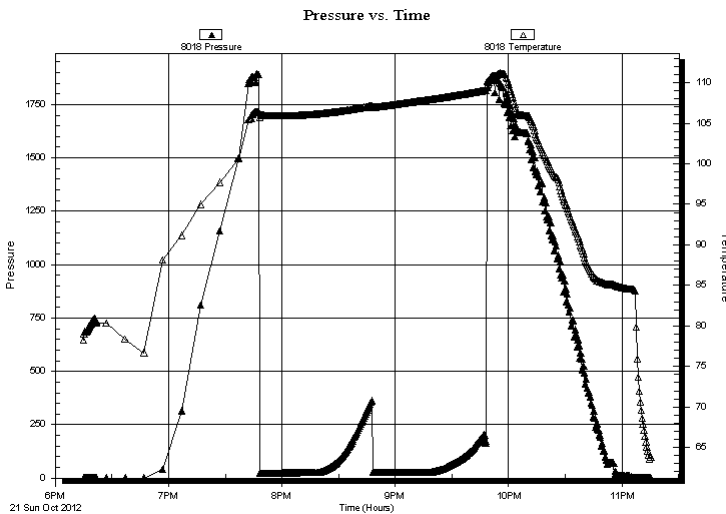
GENERAL INFORMATION:

Formation: Lansing
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:47:44
Time Test Ended: 23:14:46
Interval: 3927.00 ft (KB) To 3969.00 ft (KB) (TVD)
Total Depth: 3969.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches **Hole Condition:** Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Tate Lang
Unit No: 62
Reference Elevations: 2426.00 ft (KB)
2421.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**

Press @ RunDepth: psig @ 3932.00 ft (KB) **Capacity:** 8000.00 psig
Start Date: 2012.10.21 **End Date:** 2012.10.21 **Last Calib.:** 2012.10.21
Start Time: 18:14:58 **End Time:** 23:15:07 **Time On Btm:**
Time Off Btm:

TEST COMMENT: IF-Weak Surface Blow Built to 1/4"
ISI-Dead No Return
FF-Dead No Blow
FSI-Dead No Return Blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% M	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48469 **DST#: 2**
Test Start: 2012.10.21 @ 18:14:29

Tool Information

Drill Pipe:	Length: 3795.00 ft	Diameter: 3.80 inches	Volume: 53.23 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 53.85 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.50 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3927.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	64.50 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3905.50	
Shut In Tool	5.00			3910.50	
Hydraulic tool	5.00			3915.50	
Safety Joint	2.50			3918.00	
Packer	5.00			3923.00	22.50 Bottom Of Top Packer
Packer	4.00			3927.00	
Stubb	1.00			3928.00	
Perforations	4.00			3932.00	
Recorder	0.00	8018	Inside	3932.00	
Recorder	0.00	6751	Outside	3932.00	
Change Over Sub	1.00			3933.00	
Drill Pipe	32.00			3965.00	
Change Over Sub	1.00			3966.00	
Bullnose	3.00			3969.00	42.00 Bottom Packers & Anchor

Total Tool Length: 64.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48469 **DST#: 2**
Test Start: 2012.10.21 @ 18:14:29

Mud and Cushion Information

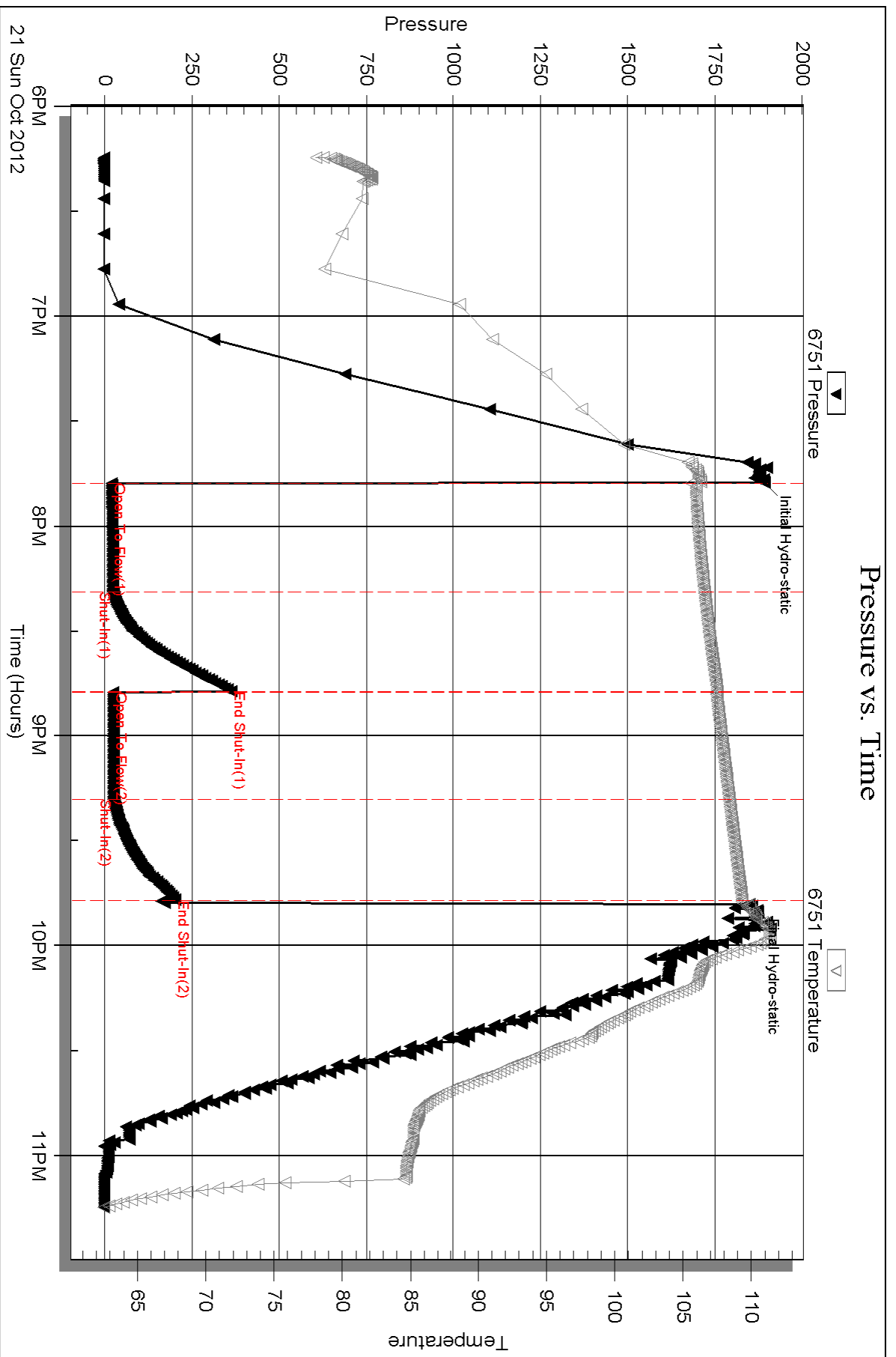
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: 1.00 inches			

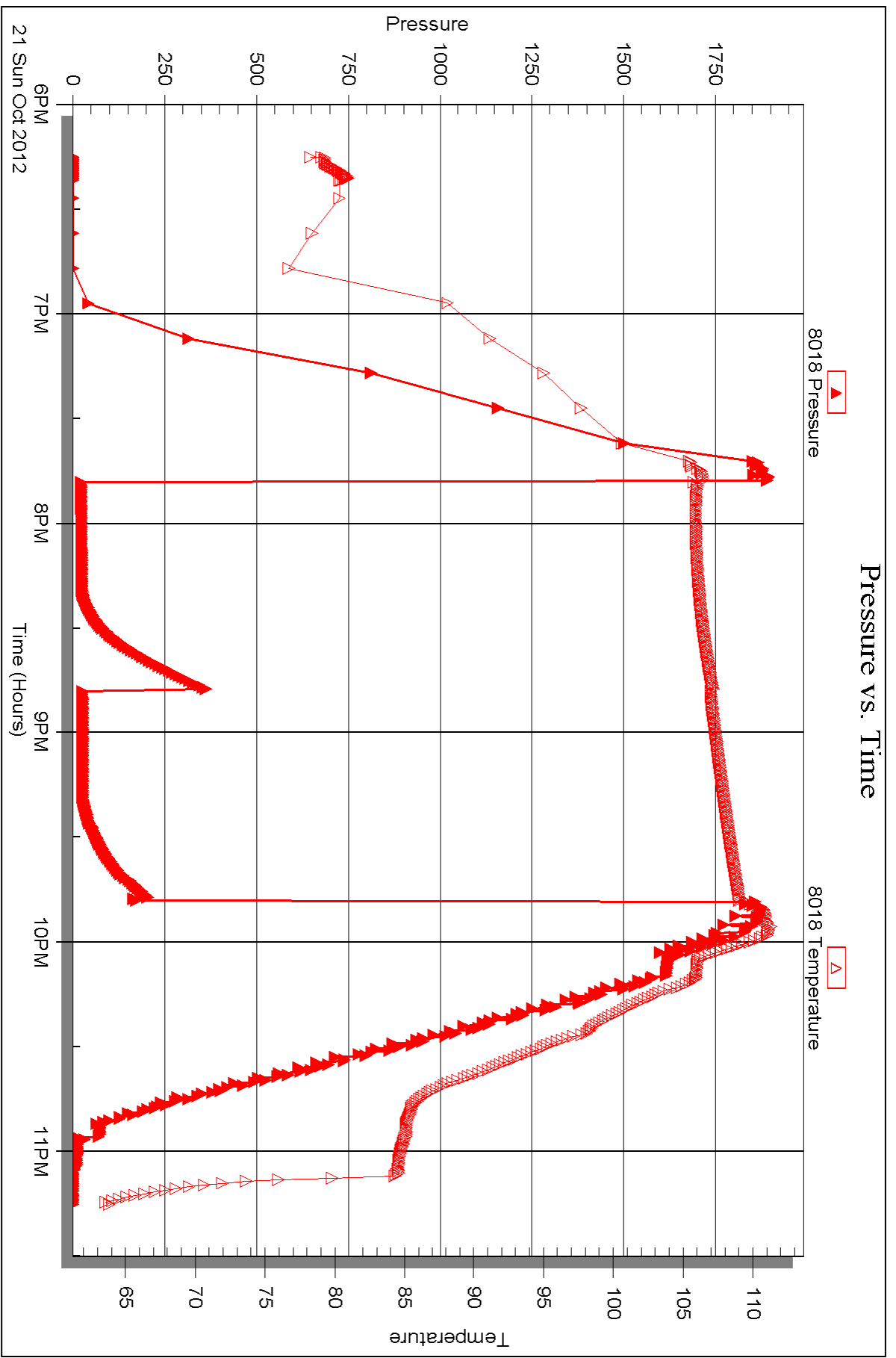
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton KS 67114

ATTN: Ryan Seib

18-1 #1

18-15s-25w Trego KS

Start Date: 2012.10.22 @ 08:30:28

End Date: 2012.10.22 @ 13:40:43

Job Ticket #: 48470 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.25 @ 14:54:55



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 New ton KS 67114
 ATTN: Ryan Seib

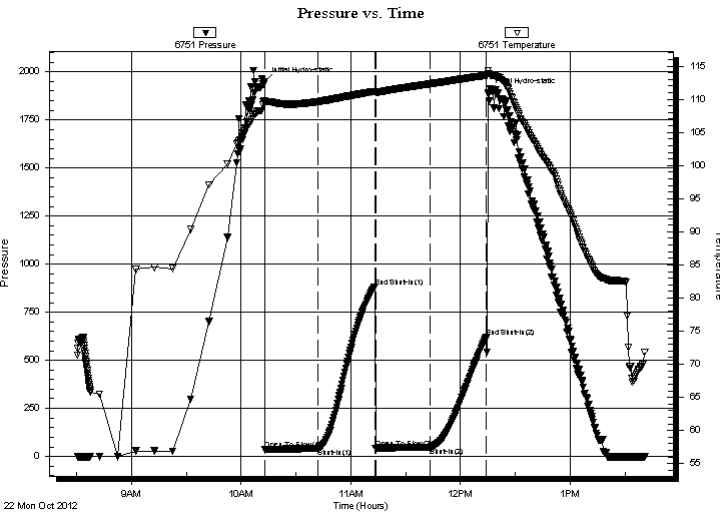
18-15s-25w Trego KS
18-1 #1
 Job Ticket: 48470 **DST#: 3**
 Test Start: 2012.10.22 @ 08:30:28

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:12:58
 Time Test Ended: 13:40:43
Interval: 3965.00 ft (KB) To 4030.00 ft (KB) (TVD)
 Total Depth: 4030.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 62
 Reference Elevations: 2426.00 ft (KB)
 2421.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6751 Outside
 Press @ Run Depth: 47.58 psig @ 3970.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.22 End Date: 2012.10.22 Last Calib.: 2012.10.22
 Start Time: 08:30:33 End Time: 13:40:42 Time On Btm: 2012.10.22 @ 10:12:43
 Time Off Btm: 2012.10.22 @ 12:14:58

TEST COMMENT: IF-Weak Surface Blow Built to 3/4in.
 ISI-Dead no return
 FF-Dead no blow
 FSI-Dead no return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1949.25	109.81	Initial Hydro-static
1	35.02	109.41	Open To Flow (1)
30	41.56	109.63	Shut-In(1)
61	881.18	111.20	End Shut-In(1)
61	43.73	110.97	Open To Flow (2)
91	47.58	112.33	Shut-In(2)
122	622.18	113.61	End Shut-In(2)
123	1892.19	114.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% M with oil spots	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

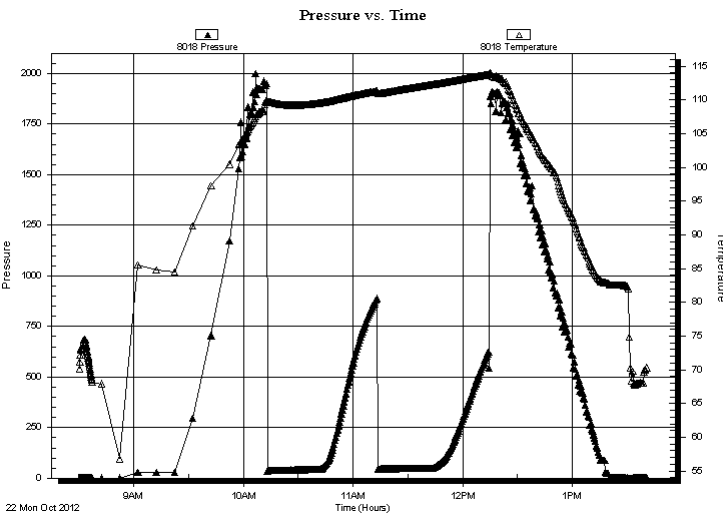
18-15s-25w Trego KS
18-1 #1
Job Ticket: 48470 **DST#: 3**
Test Start: 2012.10.22 @ 08:30:28

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 10:12:58 Tester: Tate Lang
Time Test Ended: 13:40:43 Unit No: 62
Interval: 3965.00 ft (KB) To 4030.00 ft (KB) (TVD) Reference Elevations: 2426.00 ft (KB)
Total Depth: 4030.00 ft (KB) (TVD) 2421.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8018 Inside
Press @ Run Depth: psig @ 3970.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.10.22 End Date: 2012.10.22 Last Calib.: 2012.10.22
Start Time: 08:30:28 End Time: 13:40:37 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-Weak Surface Blow Built to 3/4in.
ISI-Dead no return
FF-Dead no blow
FSI-Dead no return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% M with oil spots	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48470 **DST#: 3**
Test Start: 2012.10.22 @ 08:30:28

Tool Information

Drill Pipe:	Length: 3827.00 ft	Diameter: 3.80 inches	Volume: 53.68 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 54.30 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.50 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3965.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	87.50 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3943.50	
Shut In Tool	5.00			3948.50	
Hydraulic tool	5.00			3953.50	
Safety Joint	2.50			3956.00	
Packer	5.00			3961.00	22.50 Bottom Of Top Packer
Packer	4.00			3965.00	
Stubb	1.00			3966.00	
Perforations	4.00			3970.00	
Recorder	0.00	8018	Inside	3970.00	
Recorder	0.00	6751	Outside	3970.00	
Change Over Sub	1.00			3971.00	
Drill Pipe	32.00			4003.00	
Change Over Sub	1.00			4004.00	
Perforations	23.00			4027.00	
Bullnose	3.00			4030.00	65.00 Bottom Packers & Anchor

Total Tool Length: 87.50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48470 **DST#: 3**
Test Start: 2012.10.22 @ 08:30:28

Mud and Cushion Information

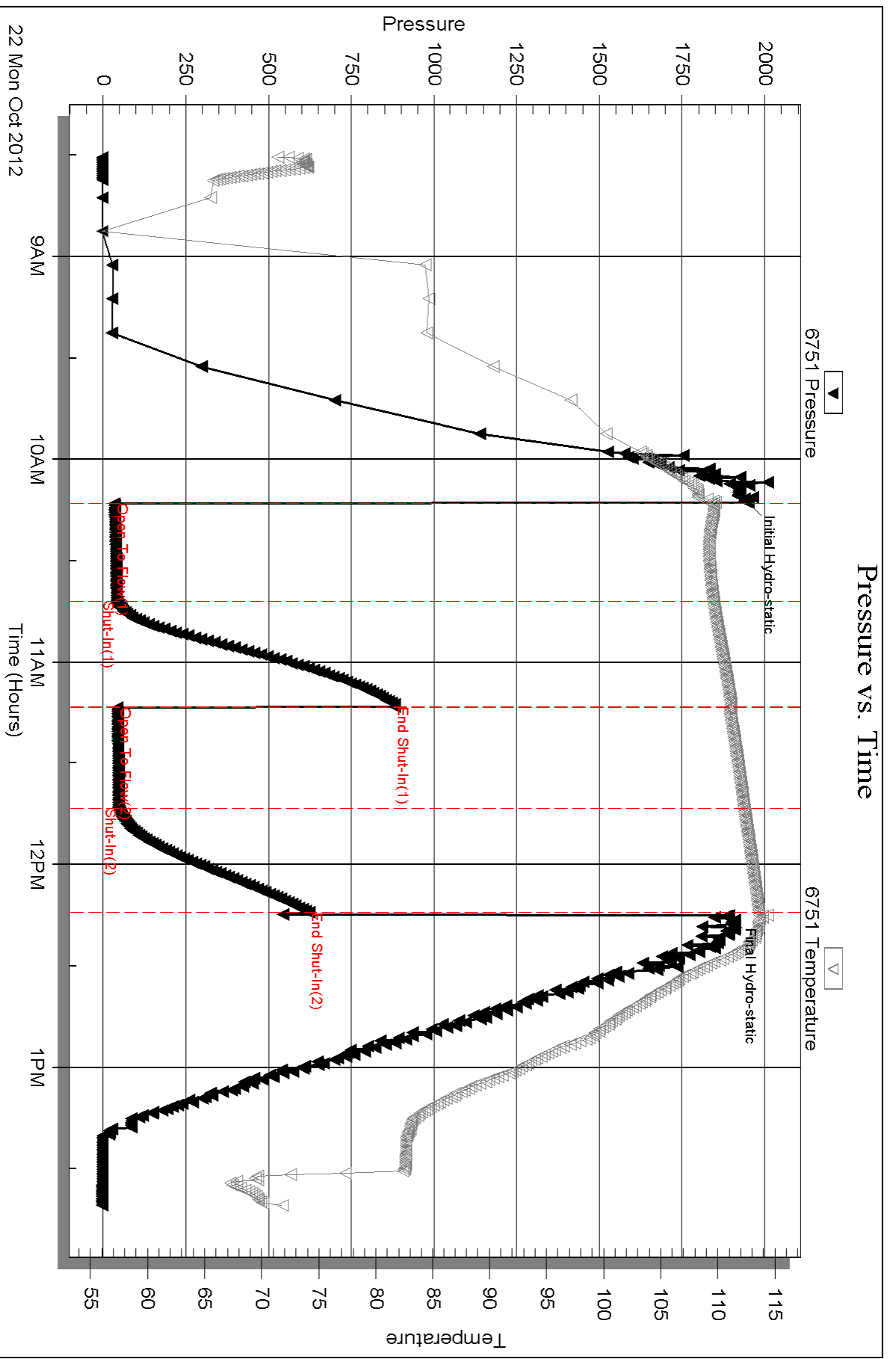
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 25000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% M w ith oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



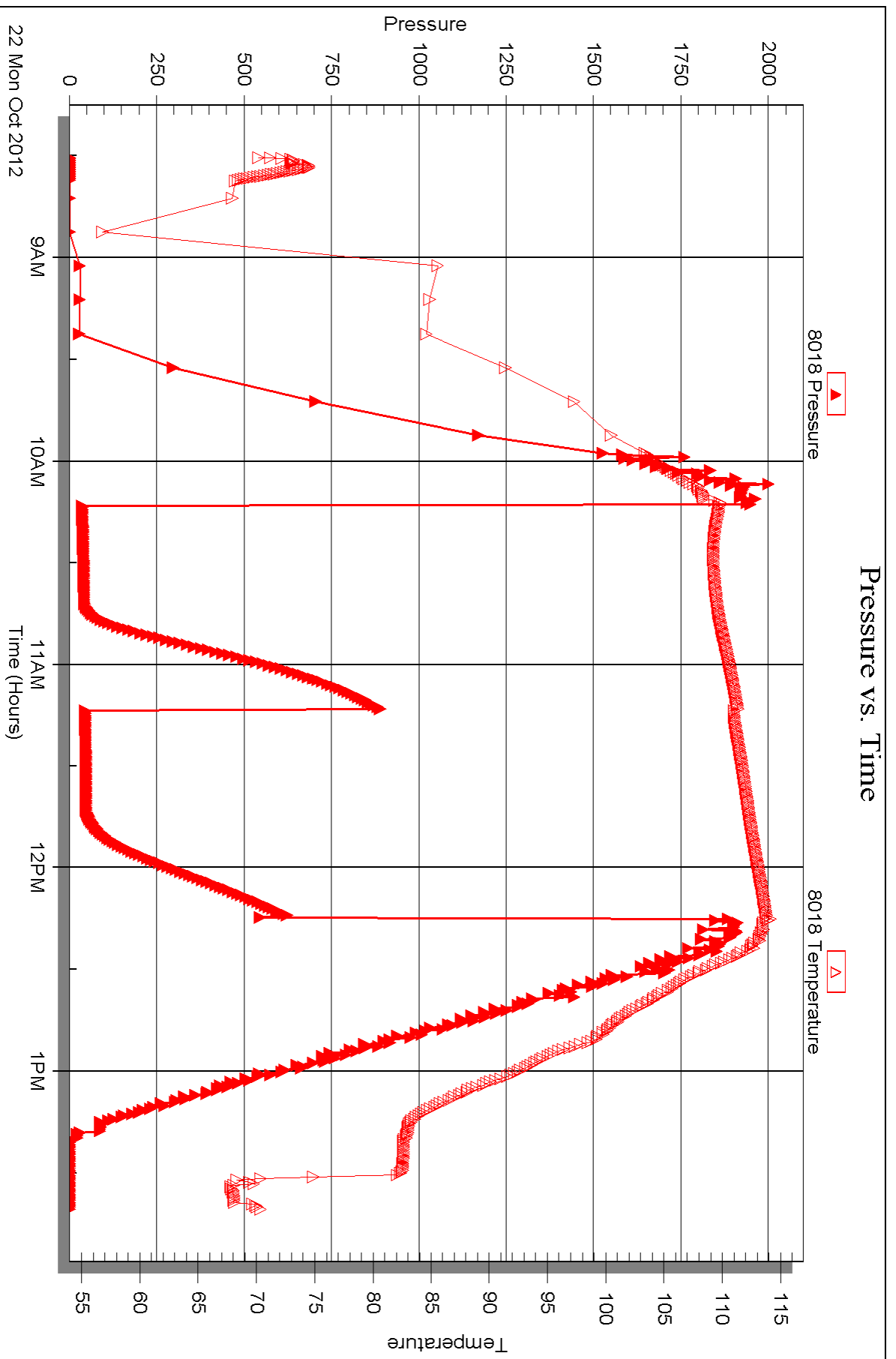
Serial #: 8018

Inside

Palomino Petroleum

18-1 #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 48470

Printed: 2012.10.25 @ 14:55:00



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton KS 67114

ATTN: Ryan Seib

18-1 #1

18-15s-25w Trego KS

Start Date: 2012.10.23 @ 11:13:00

End Date: 2012.10.23 @ 17:23:30

Job Ticket #: 48471 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.25 @ 14:54:13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

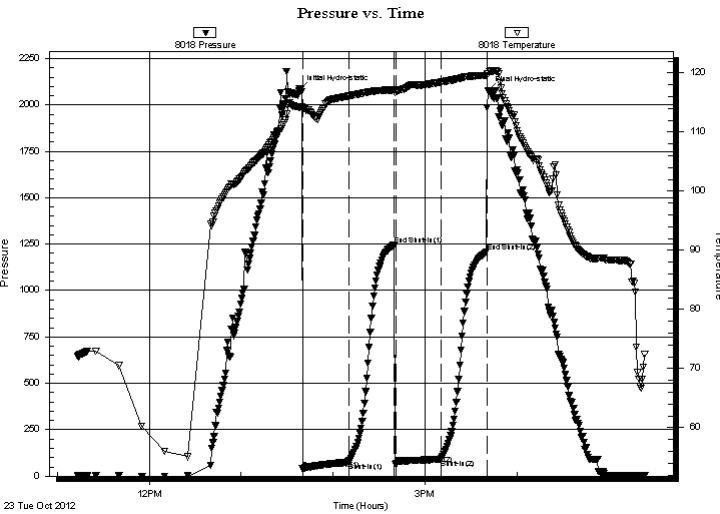
18-15s-25w Trego KS
18-1 #1
Job Ticket: 48471 **DST#: 4**
Test Start: 2012.10.23 @ 11:13:00

GENERAL INFORMATION:

Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:40:00
Time Test Ended: 17:23:30
Interval: **4195.00 ft (KB) To 4260.00 ft (KB) (TVD)**
Total Depth: 4260.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Smith
Unit No: 62
Reference Elevations: 2426.00 ft (KB)
2421.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 Inside
Press @ Run Depth: 91.70 psig @ 4199.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.10.23 End Date: 2012.10.23 Last Calib.: 2012.10.23
Start Time: 11:13:05 End Time: 17:23:29 Time On Btm: 2012.10.23 @ 13:38:00
Time Off Btm: 2012.10.23 @ 15:41:30

TEST COMMENT: B.O.B. @ 21 min.
No return.
B.O.B. @ 10 min.
Weak surface return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2084.88	114.17	Initial Hydro-static
2	39.06	113.82	Open To Flow (1)
32	76.80	116.10	Shut-In(1)
62	1246.24	117.14	End Shut-In(1)
63	61.98	116.72	Open To Flow (2)
93	91.70	118.43	Shut-In(2)
123	1208.21	119.61	End Shut-In(2)
124	2079.22	119.93	Final Hydro-static

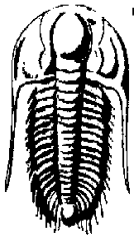
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 40g 25o 35m	0.30
62.00	GOC 10g 10o 80m	0.30
31.00	OCM 2o 98m	0.42
0.00	420' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

18-15s-25w Trego KS

4924 SE 84th ST
New ton KS 67114

18-1 #1

Job Ticket: 48471

DST#: 4

ATTN: Ryan Seib

Test Start: 2012.10.23 @ 11:13:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:40:00

Time Test Ended: 17:23:30

Interval: 4195.00 ft (KB) To 4260.00 ft (KB) (TVD)

Total Depth: 4260.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Reference Elevations: 2426.00 ft (KB)

2421.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press @ Run Depth: psig @ 4199.00 ft (KB)

Start Date: 2012.10.23

End Date: 2012.10.23

Start Time: 11:13:06

End Time: 17:23:30

Capacity: 8000.00 psig

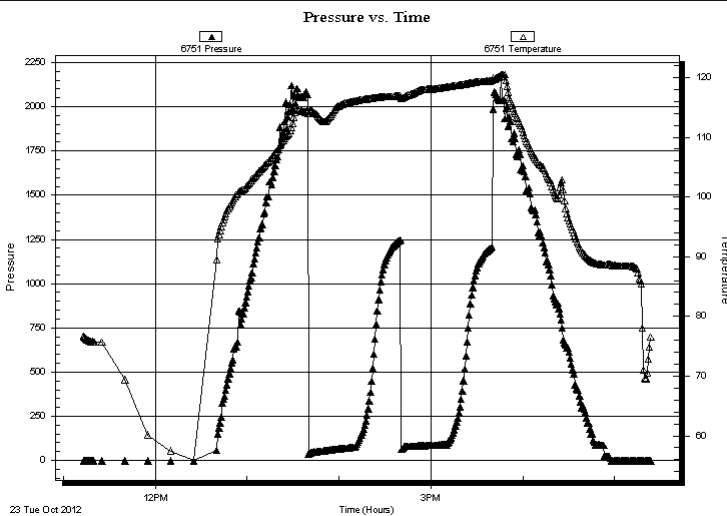
Last Calib.: 2012.10.23

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. @ 21 min.
No return.
B.O.B. @ 10 min.
Weak surface return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 40g 25o 35m	0.30
62.00	GOC 10g 10o 80m	0.30
31.00	OCM 2o 98m	0.42
0.00	420' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48471 **DST#: 4**
Test Start: 2012.10.23 @ 11:13:00

Tool Information

Drill Pipe:	Length: 4072.00 ft	Diameter: 3.80 inches	Volume: 57.12 bbl	Tool Weight:	2300.00 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 57.74 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.50 ft			String Weight: Initial	66000.00 lb
Depth to Top Packer:	4195.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	92.50 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4168.50	
Shut In Tool	5.00			4173.50	
Hydraulic tool	5.00			4178.50	
Jars	5.00			4183.50	
Safety Joint	2.50			4186.00	
Packer	5.00			4191.00	27.50 Bottom Of Top Packer
Packer	4.00			4195.00	
Stubb	1.00			4196.00	
Perforations	3.00			4199.00	
Recorder	0.00	8018	Inside	4199.00	
Recorder	0.00	6751	Outside	4199.00	
Perforations	25.00			4224.00	
Change Over Sub	1.00			4225.00	
Drill Pipe	31.00			4256.00	
Change Over Sub	1.00			4257.00	
Bullnose	3.00			4260.00	65.00 Bottom Packers & Anchor
Total Tool Length:	92.50				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48471 **DST#: 4**
Test Start: 2012.10.23 @ 11:13:00

Mud and Cushion Information

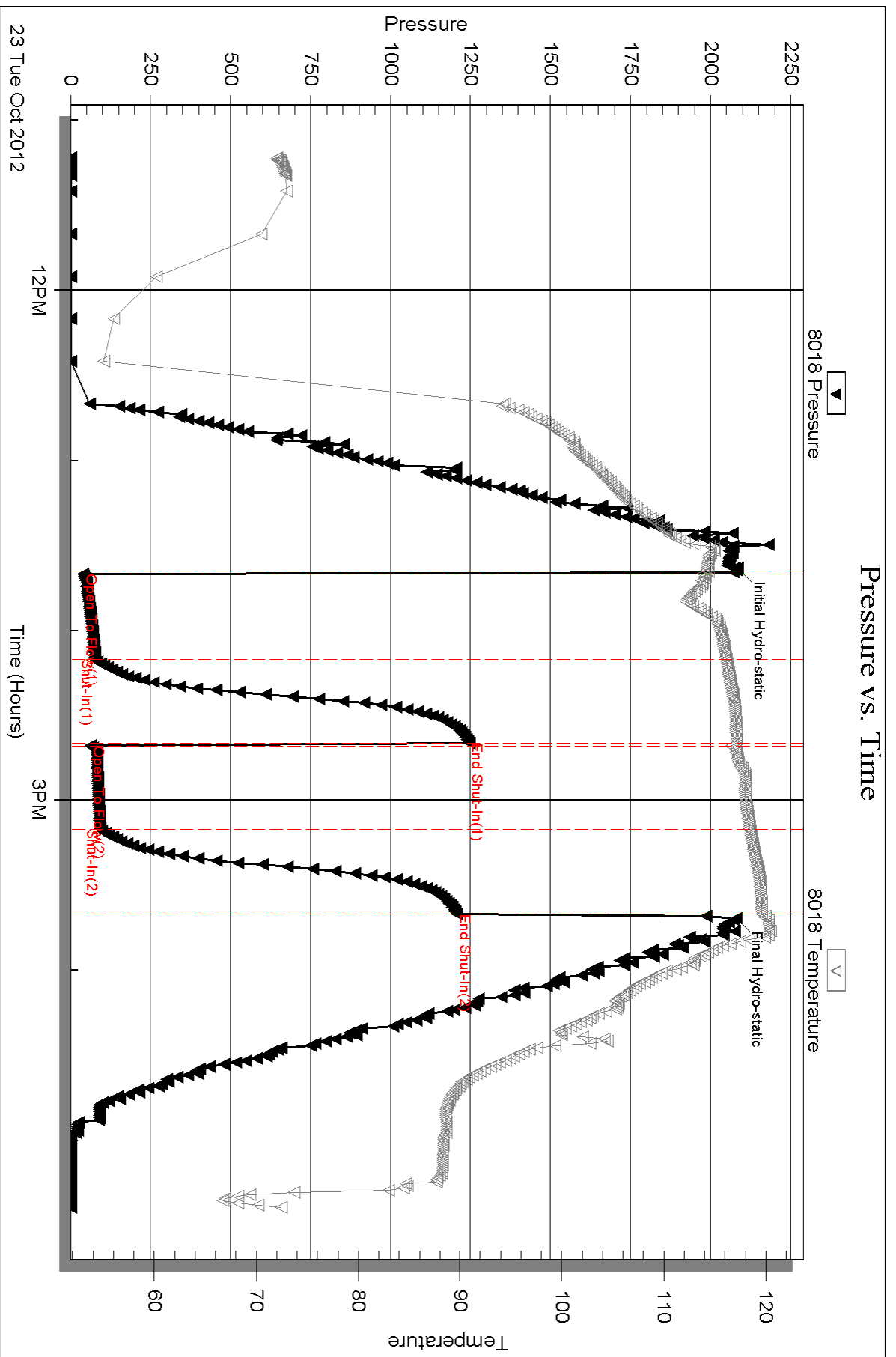
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GOCM 40g 25o 35m	0.305
62.00	GOC 10g 10o 80m	0.305
31.00	OCM 2o 98m	0.417
0.00	420' GIP	0.000

Total Length: 155.00 ft Total Volume: 1.027 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

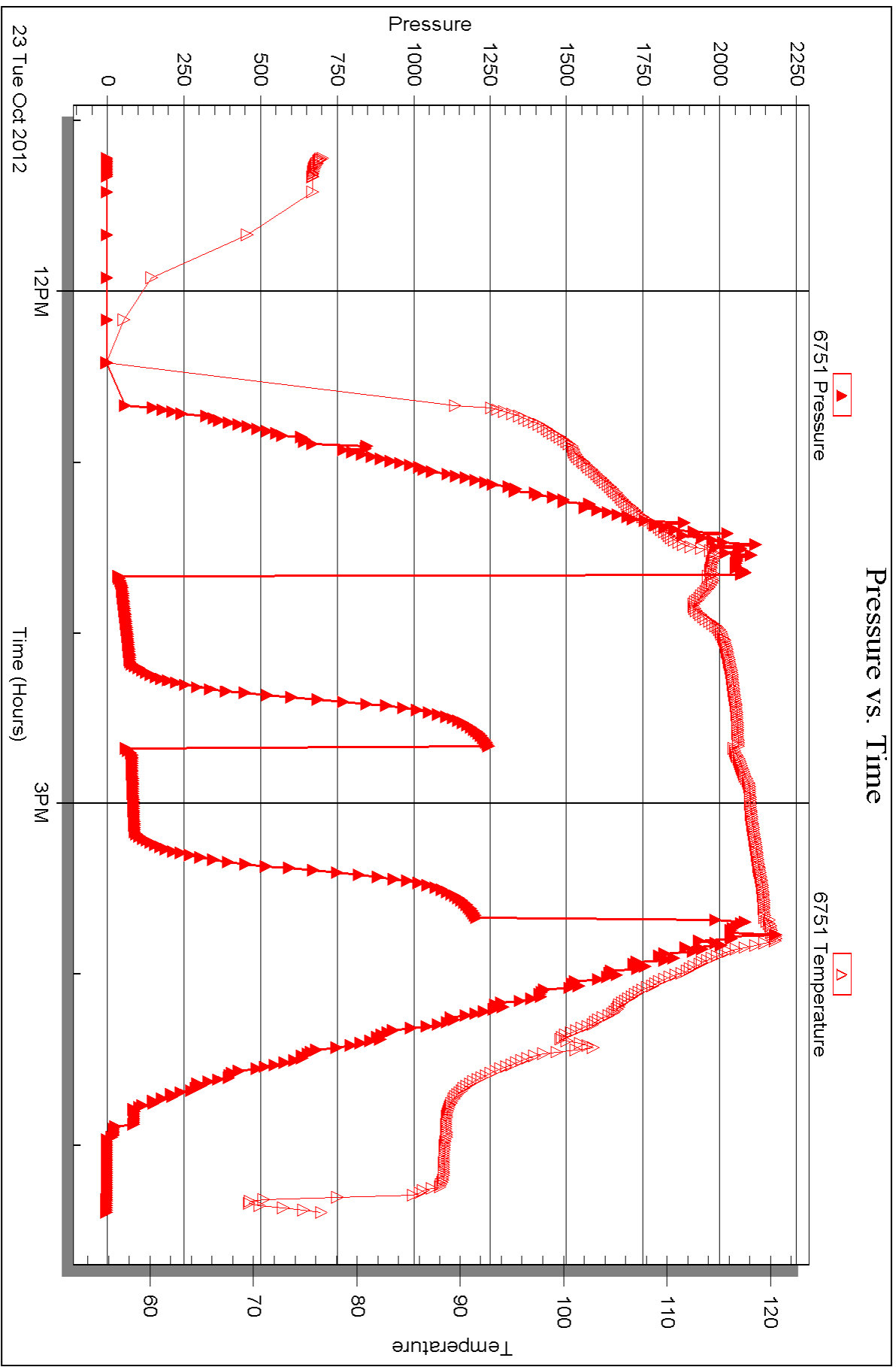


Serial #: 6751

Outside Palomino Petroleum

18-1 #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th ST
Newton KS 67114

ATTN: Ryan Seib

18-1 #1

18-15s-25w Trego KS

Start Date: 2012.10.24 @ 02:20:00

End Date: 2012.10.24 @ 08:46:00

Job Ticket #: 48472 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.25 @ 14:53:18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th ST
 New ton KS 67114
 ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
 Job Ticket: 48472 **DST#: 5**
 Test Start: 2012.10.24 @ 02:20:00

GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:00:15
 Time Test Ended: 08:46:00
 Interval: **4275.00 ft (KB) To 4341.00 ft (KB) (TVD)**
 Total Depth: 4341.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 62
 Reference Elevations: 2426.00 ft (KB)
 2421.00 ft (CF)
 KB to GR/CF: 5.00 ft

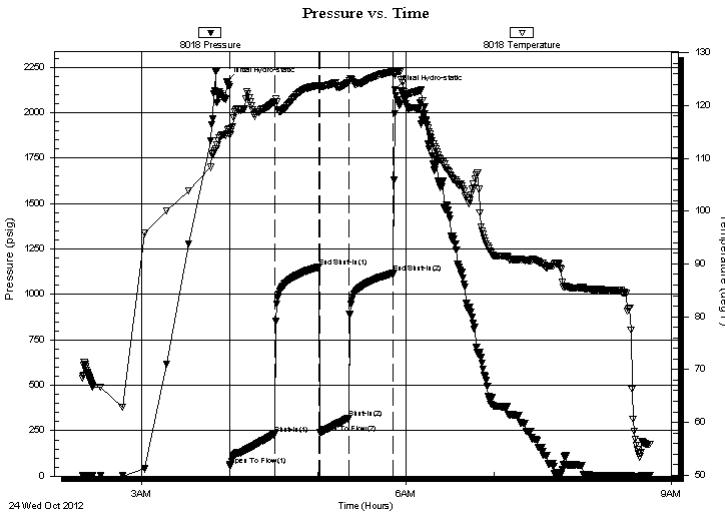
Serial #: 8018

Inside

Press @ Run Depth: 319.04 psig @ 4279.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.24 End Date: 2012.10.24 Last Calib.: 2012.10.24
 Start Time: 02:20:05 End Time: 08:45:59 Time On Btm: 2012.10.24 @ 03:58:15
 Time Off Btm: 2012.10.24 @ 05:52:30

TEST COMMENT: B.O.B. @ 6 min.
 4" Return.
 B.O.B. @ 8 min.
 1" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.46	114.67	Initial Hydro-static
2	57.70	114.43	Open To Flow (1)
33	231.82	120.82	Shut-In(1)
63	1150.39	123.81	End Shut-In(1)
63	238.48	123.52	Open To Flow (2)
83	319.04	124.35	Shut-In(2)
113	1116.14	126.39	End Shut-In(2)
115	2125.38	125.75	Final Hydro-static

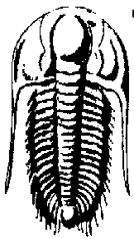
Recovery

Length (ft)	Description	Volume (bbl)
124.00	GOCM 15g 15o 70m	0.61
248.00	GO 15g 85o	3.48
403.00	GO 50g 50o	5.65
0.00	248' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum

18-15s-25w Trego KS

4924 SE 84th ST
New ton KS 67114

18-1 #1

Job Ticket: 48472

DST#: 5

ATTN: Ryan Seib

Test Start: 2012.10.24 @ 02:20:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:00:15

Time Test Ended: 08:46:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: **4275.00 ft (KB) To 4341.00 ft (KB) (TVD)**

Reference Elevations: 2426.00 ft (KB)

Total Depth: 4341.00 ft (KB) (TVD)

2421.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **6751**

Outside

Press @ Run Depth: psig @ 4279.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.24 End Date: 2012.10.24

Last Calib.: 2012.10.24

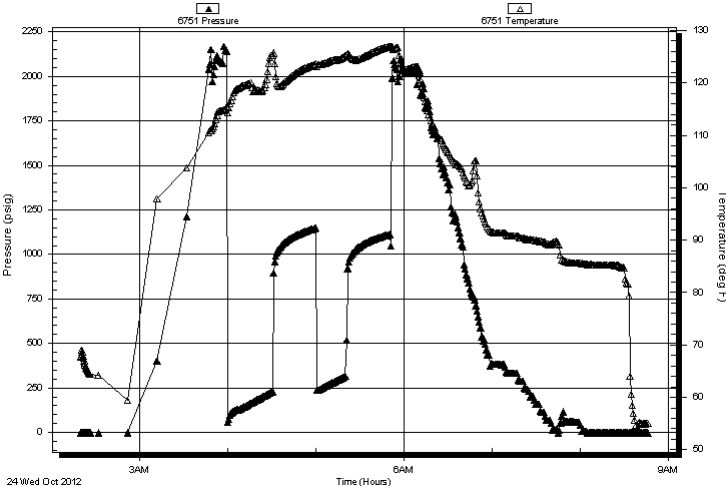
Start Time: 02:20:05 End Time: 08:45:36

Time On Btm:

Time Off Btm:

TEST COMMENT: B.O.B. @ 6 min.
4" Return.
B.O.B. @ 8 min.
1" Return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GOCM 15g 15o 70m	0.61
248.00	GO 15g 85o	3.48
403.00	GO 50g 50o	5.65
0.00	248' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48472 **DST#: 5**
Test Start: 2012.10.24 @ 02:20:00

Tool Information

Drill Pipe:	Length: 4137.00 ft	Diameter: 3.80 inches	Volume: 58.03 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume: 58.64 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	13.50 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4275.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	93.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			4248.50	
Shut In Tool	5.00			4253.50	
Hydraulic tool	5.00			4258.50	
Jars	5.00			4263.50	
Safety Joint	2.50			4266.00	
Packer	5.00			4271.00	27.50 Bottom Of Top Packer
Packer	4.00			4275.00	
Stubb	1.00			4276.00	
Perforations	3.00			4279.00	
Recorder	0.00	8018	Inside	4279.00	
Recorder	0.00	6751	Outside	4279.00	
Perforations	26.00			4305.00	
Change Over Sub	1.00			4306.00	
Drill Pipe	31.00			4337.00	
Change Over Sub	1.00			4338.00	
Bullnose	3.00			4341.00	66.00 Bottom Packers & Anchor
Total Tool Length:		93.50			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th ST
New ton KS 67114
ATTN: Ryan Seib

18-15s-25w Trego KS
18-1 #1
Job Ticket: 48472 **DST#: 5**
Test Start: 2012.10.24 @ 02:20:00

Mud and Cushion Information

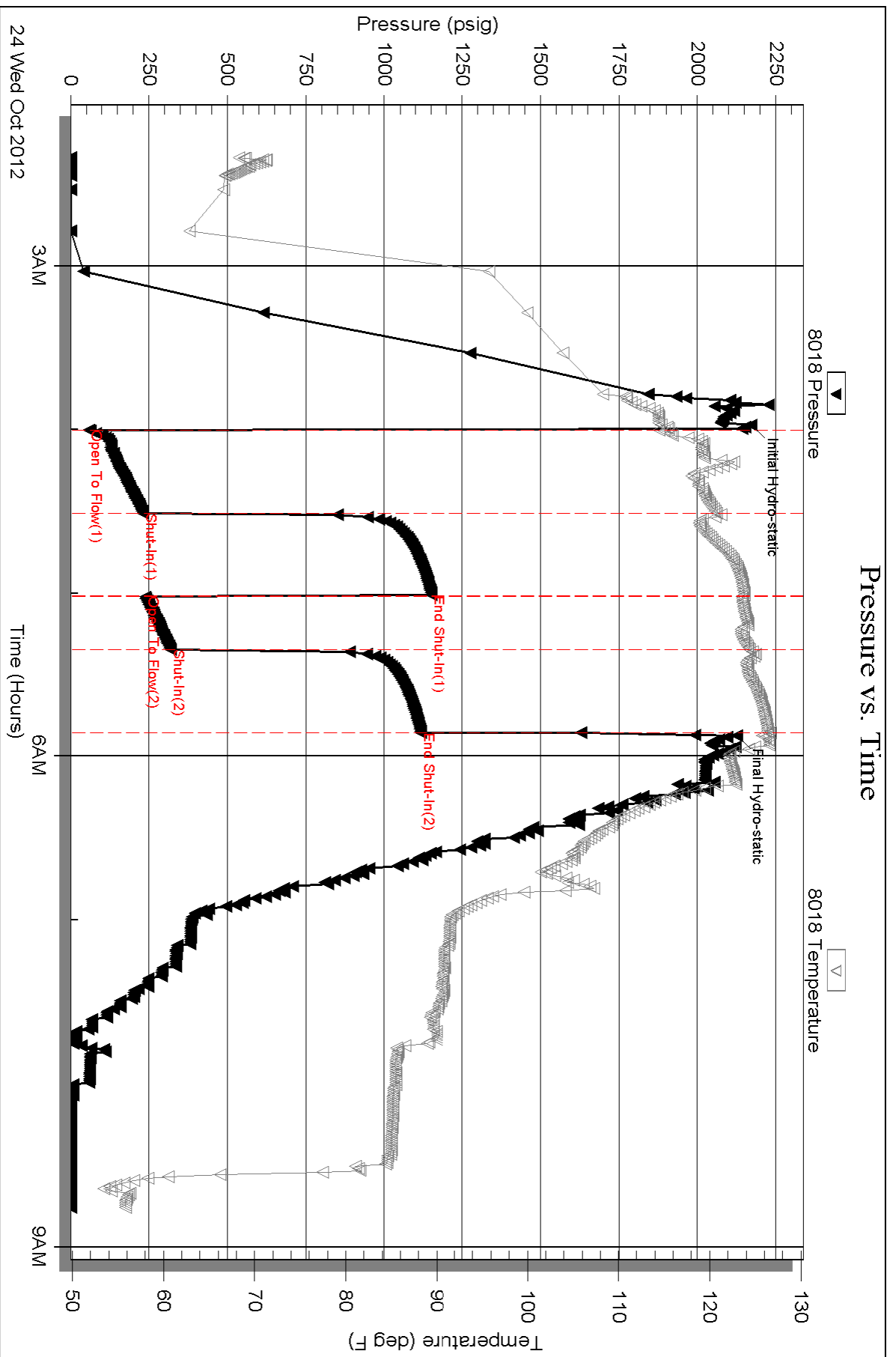
Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.56 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GOCM 15g 15o 70m	0.610
248.00	GO 15g 85o	3.479
403.00	GO 50g 50o	5.653
0.00	248' GIP	0.000

Total Length: 775.00 ft Total Volume: 9.742 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: API: 39 @ 60 Degrees F = 39.

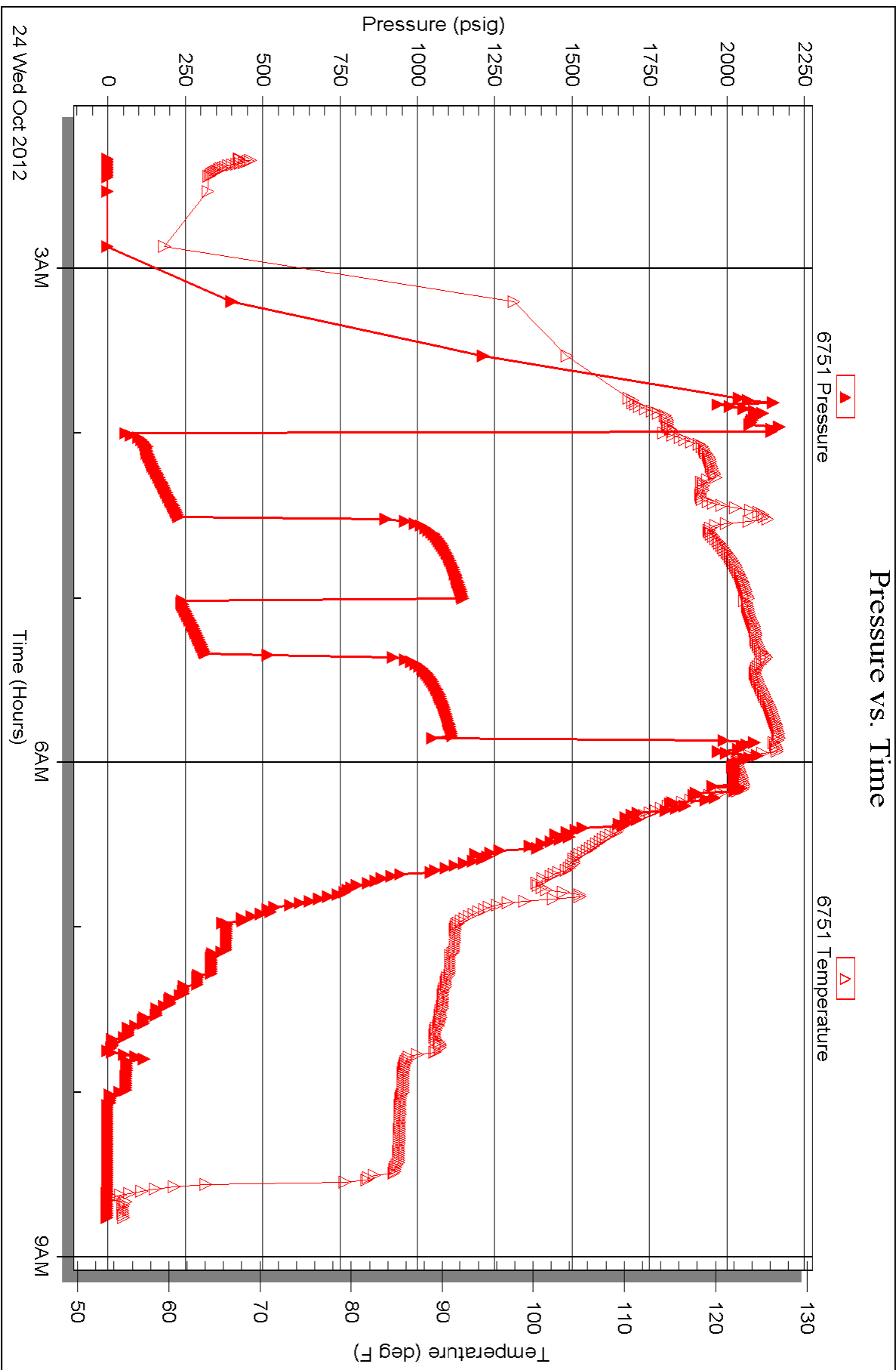


Serial #: 6751

Outside Palomino Petroleum

18-1 #1

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48468

Well Name & No. 1-18 #1 Test No. 1 Date 10-21-12
 Company Palomino Petroleum Elevation 2426 KB 2421 GL
 Address 4924 SE 84th ST Newton KS, 67114
 Co. Rep / Geo. Ryan Scib Rig WW Rig #10
 Location: Sec. 18 Twp. 15S Rge. 25W Co. Trego State KS

Interval Tested 3880-3949 Zone Tested Lasing
 Anchor Length 69 Drill Pipe Run 3759 Mud Wt. 9.0
 Top Packer Depth 3876 Drill Collars Run 126 Vis 54
 Bottom Packer Depth 3880 Wt. Pipe Run 0 WL 716
 Total Depth 3949 Chlorides 1200 ppm System LCM 2#

Blow Description IF - Weak surface Built to 1/4 in. and stayed
ISF - Dead no return.
FP - Dead No Blow
FSI - Dead No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>20'</u>	Feet of <u>Mud Few oil spots</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1860 Test 1150 T-On Location 7:13
 (B) First Initial Flow 17 Jars 250 T-Started 7:45
 (C) First Final Flow 26 Safety Joint 75 T-Open 9:07
 (D) Initial Shut-In 1087 Circ Sub N/C T-Pulled 11:07
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 12:23
 (F) Second Final Flow 33 Mileage 124 RT 192.20 Comments _____
 (G) Final Shut-In 963 Sampler _____
 (H) Final Hydrostatic 1852 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Sub Total 0
 Total 1667.20
 Sub Total 1667.20 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48469

Well Name & No. 1-18 #1 Test No. 2 Date 10-21-12
 Company Palomino Petroleum Elevation 2426 KB 2421 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW Rig #70
 Location: Sec. 18 Twp. 15S Rge. 25W Co. Trego State KS

Interval Tested 3927-3969 Zone Tested Lansing
 Anchor Length _____ Drill Pipe Run 3795 Mud Wt. 9.0
 Top Packer Depth _____ Drill Collars Run 126 Vis 54
 Bottom Packer Depth _____ Wt. Pipe Run 0 WL 7.6
 Total Depth 3969 Chlorides 1200 ppm System LCM 2#
 Blow Description IF - Weak Surface Blow Built to 1/4 in.
ISI - Dead No Return
FF - Dead No Blow
FSI - Dead No Return

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>mud</u>	%gas	%oil	%water	<u>100</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 111 Gravity - API RW - @ - °F Chlorides - ppm

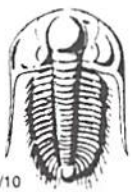
(A) Initial Hydrostatic 1891 Test 1150 T-On Location 17:57
 (B) First Initial Flow 21 Jars 250 T-Started 18:14
 (C) First Final Flow 24 Safety Joint 75 T-Open 19:47
 (D) Initial Shut-In 362 Circ Sub N/C T-Pulled 21:47
 (E) Second Initial Flow 24 Hourly Standby T-Out 23:15
 (F) Second Final Flow 26 Mileage 124 R/T 192.20 Comments _____
 (G) Final Shut-In 202 Sampler _____
 (H) Final Hydrostatic 1856 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 1667.20
 Total 1667.20
 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48470

Well Name & No. 1-18 #1 Test No. 3 Date 10-22-12
 Company Palomino Petroleum Elevation 2426 KB 2421 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW Rig #10
 Location: Sec. 18 Twp. 155 Rge. 25w Co. Trego State KS

Interval Tested 3965 - 4030 Zone Tested Lansing
 Anchor Length 65 Drill Pipe Run 3827 Mud Wt. 9.2
 Top Packer Depth 3965 Drill Collars Run 126 Vis 46
 Bottom Packer Depth 3965 Wt. Pipe Run 0 WL 7.8
 Total Depth 4030 Chlorides 2500 ppm System LCM 2nd
 Blow Description ZF - Weak surface Blow Built to 3/4 in
ISI - Dead No Return
FF - Dead No Blow
FST - Dead No Return

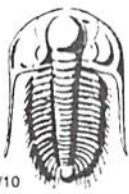
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>Mud with Oil Spots</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 114 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic <u>1949</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>7:20</u>
(B) First Initial Flow <u>35</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:30</u>
(C) First Final Flow <u>42</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:12</u>
(D) Initial Shut-In <u>881</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>12:12</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>13:40</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>124 R/T</u> 192.20	Comments _____
(G) Final Shut-In <u>622</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>1892</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1767.20</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1767.20</u>	

Approved By [Signature] Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48471

Well Name & No. 1-18 #1 Test No. 4 Date 10-23-12
 Company Palomino Petroleum Elevation 2426 KB 2421 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Scib Rig WW #10
 Location: Sec. 18 Twp. 15s Rge. 25w Co. Trego State KS

Interval Tested 4195-4260 Zone Tested Ft. Scott
 Anchor Length 65 Drill Pipe Run 4072 Mud Wt. 9.3
 Top Packer Depth 4191 Drill Collars Run 126 Vis 47
 Bottom Packer Depth 4195 Wt. Pipe Run 0 WL 6.4
 Total Depth 4260 Chlorides 2900 ppm System LCM 1#
 Blow Description B.O.B. @ 21 min
No return.
B.O.B. @ 10 min.
Weak surface return.

Rec	Feet of	%gas	%oil	%water	%mud
31	OCM		2		98
62	GOCM	10	10		80
62	GOCM	40	25		35
	420' GIP				

Rec Total 155 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

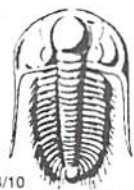
(A) Initial Hydrostatic 2085 Test 1250 T-On Location 9:30
 (B) First Initial Flow 39 Jars 250 T-Started 11:13
 (C) First Final Flow 77 Safety Joint 75 T-Open 13:40
 (D) Initial Shut-In 1246 Circ Sub NIC T-Pulled 15:40
 (E) Second Initial Flow 62 Hourly Standby _____ T-Out 17:24
 (F) Second Final Flow 92 Mileage 124RT 192.20 Comments _____
 (G) Final Shut-In 1208 Sampler _____
 (H) Final Hydrostatic 2079 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 1767.20
 Total 1767.20
 MP/DST Disc't _____

Approved By _____ Our Representative Chuck Smith

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48472

Well Name & No. 1-18#1 Test No. 5 Date 10-24-12
 Company Palomino Petroleum Elevation 2426 KB 2421 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Scib Rig WW#10
 Location: Sec. 18 Twp. 15s Rge. 25w Co. Trego State KS

Interval Tested 4275-4341 Zone Tested Mississippian
 Anchor Length 66 Drill Pipe Run 4137 Mud Wt. 9.3
 Top Packer Depth 4271 Drill Collars Run 124 Vis 54
 Bottom Packer Depth 4275 Wt. Pipe Run 0 WL 6.4
 Total Depth 4341 Chlorides 2900 ppm System LCM 1"
 Blow Description B.O.B. @ 6 min
4" Return.
B.O.B. @ 8 min
1" Return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>403</u>	Feet of <u>60</u>	<u>50</u> %gas	<u>50</u> %oil	%water	%mud
Rec <u>248</u>	Feet of <u>60</u>	<u>15</u> %gas	<u>85</u> %oil	%water	%mud
Rec <u>124</u>	Feet of <u>60CM</u>	<u>15</u> %gas	<u>15</u> %oil	%water	<u>70</u> %mud
Rec	Feet of <u>248' G-IP</u>	%gas	%oil	%water	%mud

Rec Total 775 BHT 126 Gravity 39 API RW @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2172 Test 1250 T-On Location 2:15
 (B) First Initial Flow 58 Jars 250 T-Started 2:20
 (C) First Final Flow 232 Safety Joint 75 T-Open 4:00
 (D) Initial Shut-In 11:50 Circ Sub _____ T-Pulled 5:51
 (E) Second Initial Flow 238 Hourly Standby _____ T-Out 8:46
 (F) Second Final Flow 319 Mileage 124 RT x 2 364.40 Comments Picked up tool 14:30
 (G) Final Shut-In 11:16 Sampler _____ No test
 (H) Final Hydrostatic 2125 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1959.40
 Final Flow 20 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 30 Sub Total 1959.40

Approved By _____ Our Representative Chuck Smith

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