



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 8457
Newton KS 67114

ATTN: Ryan Seib

Tornado #1

8-17s-26w Ness,KS

Start Date: 2012.08.26 @ 00:21:39

End Date: 2012.08.26 @ 07:45:39

Job Ticket #: 50006 DST #: 1

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

Printed: 2012.09.11 @ 08:19:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 8457
New ton KS 67114
ATTN: Ryan Seib

8-17s-26w Ness,KS

Tornado #1

Job Ticket: 50006

DST#: 1

Test Start: 2012.08.26 @ 00:21:39

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:34:09

Time Test Ended: 07:45:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 53

Interval: 3892.00 ft (KB) To 3962.00 ft (KB) (TVD)

Reference Elevations: 2629.00 ft (KB)

Total Depth: 3962.00 ft (KB) (TVD)

2620.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 8677

Inside

Press @ Run Depth: 179.09 psig @ 3893.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.08.26

End Date:

2012.08.26

Last Calib.:

2012.08.26

Start Time: 00:21:44

End Time:

07:45:38

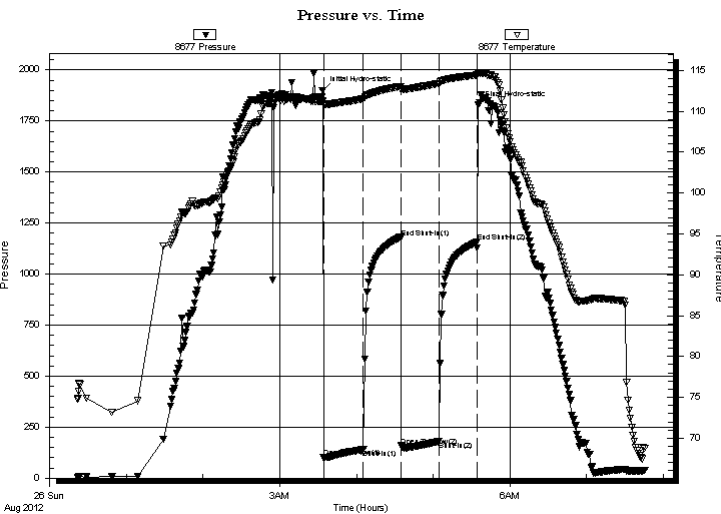
Time On Btm:

2012.08.26 @ 03:33:39

Time Off Btm:

2012.08.26 @ 05:35:09

TEST COMMENT: IF-Fair Blow Built To 5" (Had 15' of fill chased to bottom had to pick up and make another Joint up to get to bottom)
ISI-Dead No Return
FF-Weak Surface Blow Built to 2"
FSI-Dead No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.68	111.23	Initial Hydro-static
1	100.02	110.78	Open To Flow (1)
32	140.57	111.56	Shut-In(1)
61	1179.69	113.05	End Shut-In(1)
62	158.74	112.66	Open To Flow (2)
91	179.09	113.41	Shut-In(2)
121	1155.91	114.42	End Shut-In(2)
122	1827.15	114.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
247.00	MCW 30%M 70%W	1.21
62.00	100% Mud	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 50006

DST#: 1

ATTN: Ryan Seib

Test Start: 2012.08.26 @ 00:21:39

Tool Information

Drill Pipe:	Length: 3582.00 ft	Diameter: 3.80 inches	Volume: 50.25 bbl	Tool Weight:	2500.00 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: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	78000.00 lb
			<u>Total Volume: 51.77 bbl</u>	Tool Chased	15.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3892.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	97.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3866.00	
Shut In Tool	5.00			3871.00	
Hydraulic tool	5.00			3876.00	
Jars	5.00			3881.00	
Safety Joint	2.00			3883.00	
Packer	5.00			3888.00	27.00 Bottom Of Top Packer
Packer	4.00			3892.00	
Stubb	1.00			3893.00	
Recorder	0.00	8677	Inside	3893.00	
Recorder	0.00	8522	Outside	3893.00	
Perforations	1.00			3894.00	
Change Over Sub	1.00			3895.00	
Drill Pipe	63.00			3958.00	
Change Over Sub	1.00			3959.00	
Bullnose	3.00			3962.00	70.00 Bottom Packers & Anchor

Total Tool Length: 97.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 50006

DST#: 1

ATTN: Ryan Seib

Test Start: 2012.08.26 @ 00:21:39

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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
247.00	MCW 30%M 70%W	1.215
62.00	100% Mud	0.305

Total Length: 309.00 ft Total Volume: 1.520 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

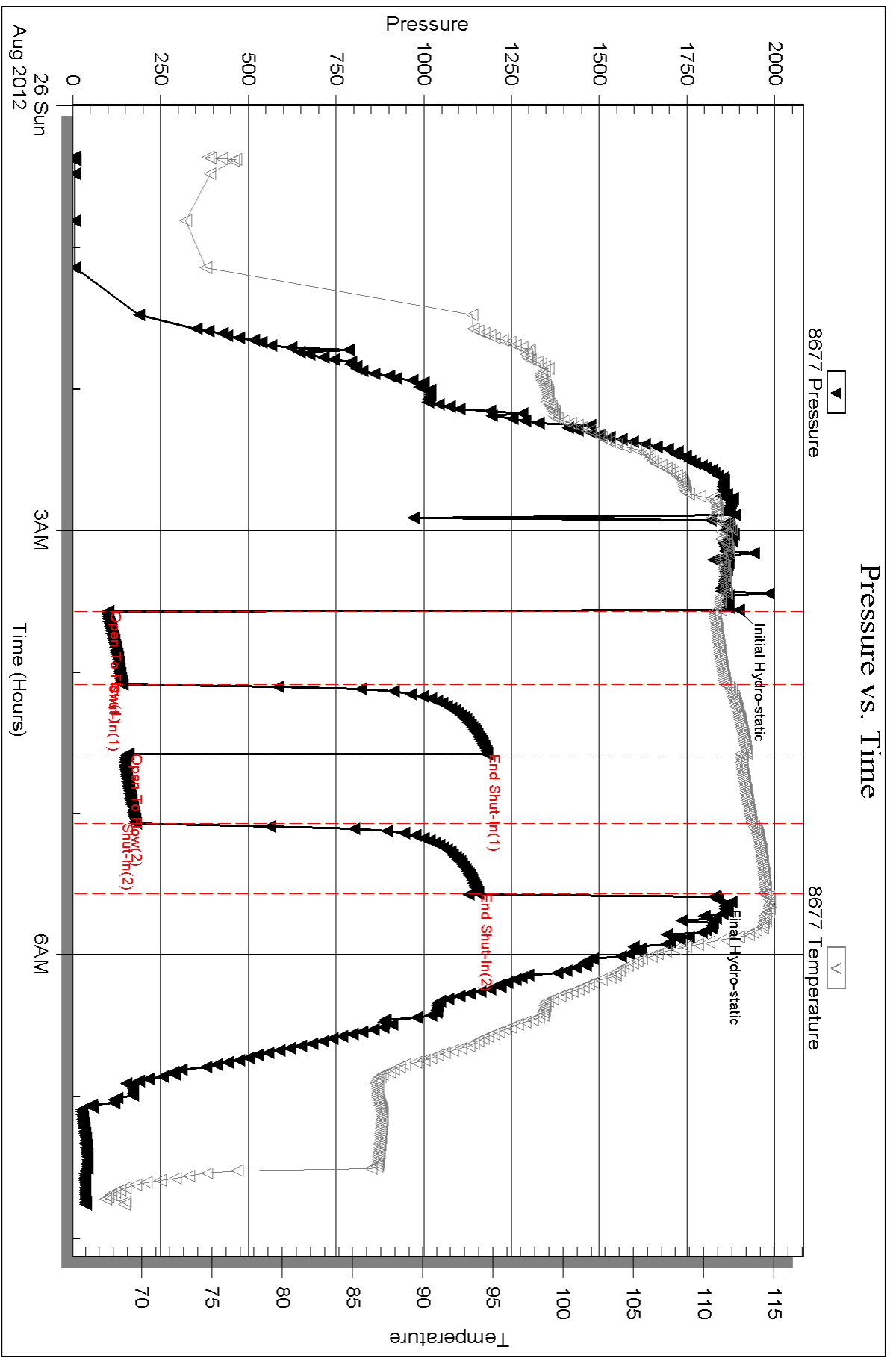
Serial #: 8677

Inside

Palomino Petroleum Inc

Tornado #1

DST Test Number: 1

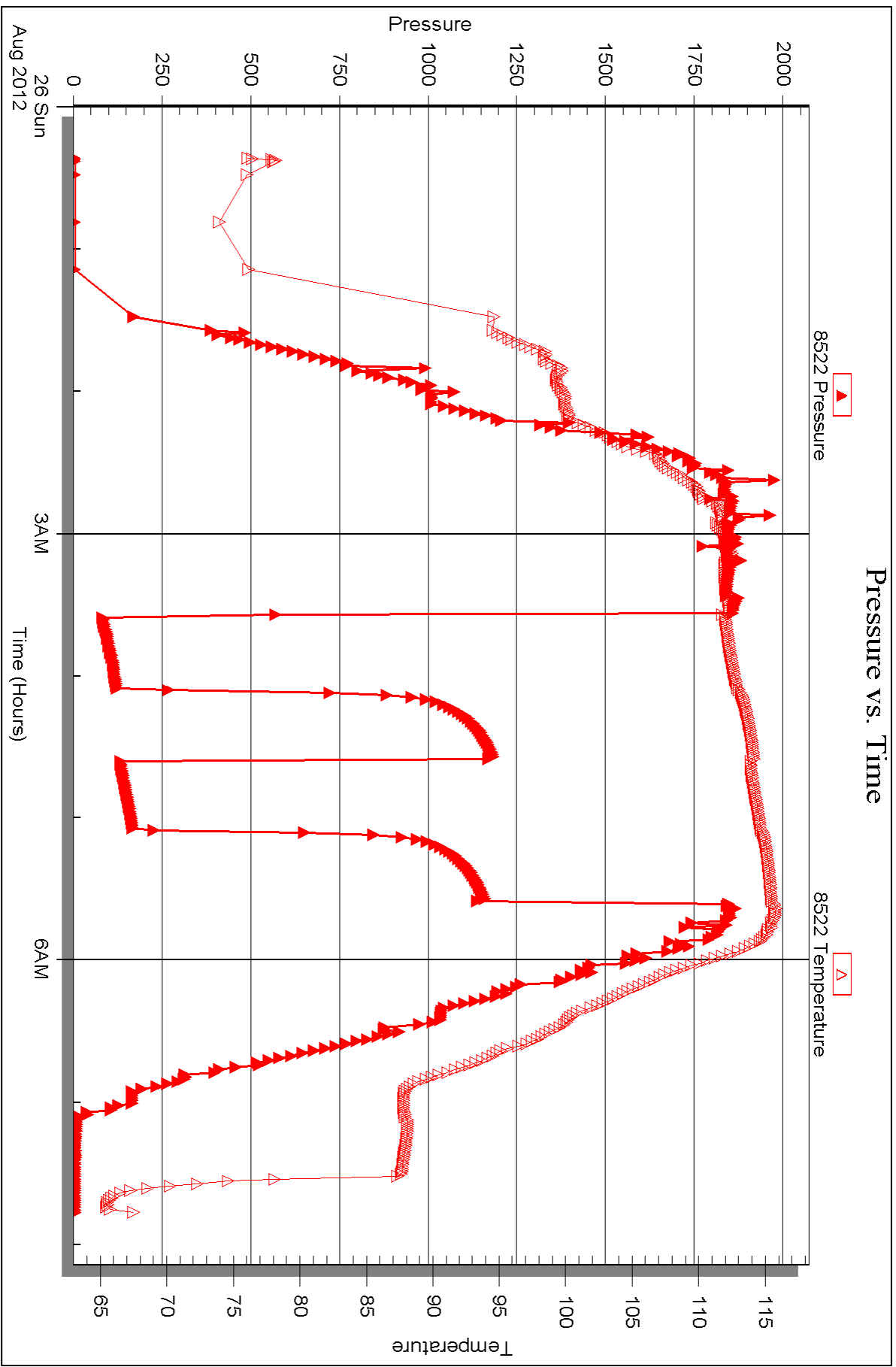


Serial #: 8522

Outside Palomino Petroleum Inc

Tornado #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 8457
Newton KS 67114

ATTN: Ryan Seib

Tornado #1

8-17s-26w Ness,KS

Start Date: 2012.08.27 @ 03:35:30

End Date: 2012.08.27 @ 10:05:30

Job Ticket #: 50007 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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Printed: 2012.09.10 @ 16:31:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 8457
 Newton KS 67114
 ATTN: Ryan Seib

8-17s-26w Ness, KS

Tornado #1

Job Ticket: 50007

DST#: 2

Test Start: 2012.08.27 @ 03:35:30

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:48:00

Time Test Ended: 10:05:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 53

Interval: 4091.00 ft (KB) To 4198.00 ft (KB) (TVD)

Total Depth: 4198.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2629.00 ft (KB)

2620.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8677

Inside

Press @ Run Depth: 129.03 psig @ 4099.00 ft (KB)

Start Date: 2012.08.27

End Date:

2012.08.27

Start Time: 03:35:35

End Time:

10:05:29

Capacity: 8000.00 psig

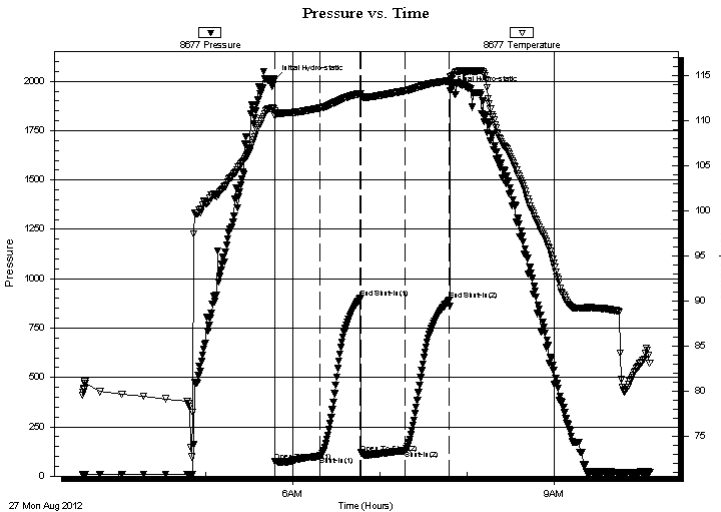
Last Calib.: 2012.08.27

Time On Btm: 2012.08.27 @ 05:47:30

Time Off Btm: 2012.08.27 @ 07:48:30

TEST COMMENT: IF-Fair Surface Blow Built To 4 3/4"
 ISI-Dead No Blow Back
 FF-Fair Surface Blow Built Built To 7"
 FSI-Weak Surface Blow Died Out In 18 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.65	111.03	Initial Hydro-static
1	74.25	110.54	Open To Flow (1)
31	100.75	111.36	Shut-In(1)
59	900.25	112.96	End Shut-In(1)
60	118.33	112.67	Open To Flow (2)
90	129.03	113.26	Shut-In(2)
121	891.07	114.40	End Shut-In(2)
121	1954.85	114.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	100% M With Oil Spots	0.61
62.00	5%O 95%M	0.30
62.00	10%O 70%M 20%G	0.30
0.00	372' Weak GIP	0.00
0.00	62' Strong GIP	0.00

* 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 Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 50007

DST#: 2

ATTN: Ryan Seib

Test Start: 2012.08.27 @ 03:35:30

Tool Information

Drill Pipe:	Length: 3769.00 ft	Diameter: 3.80 inches	Volume: 52.87 bbl	Tool Weight: 2500.00 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: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 54.39 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4091.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	107.00 ft			
Tool Length:	134.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4065.00	
Shut In Tool	5.00			4070.00	
Hydraulic tool	5.00			4075.00	
Jars	5.00			4080.00	
Safety Joint	2.00			4082.00	
Packer	5.00			4087.00	27.00 Bottom Of Top Packer
Packer	4.00			4091.00	
Stubb	1.00			4092.00	
Perforations	7.00			4099.00	
Recorder	0.00	8677	Inside	4099.00	
Recorder	0.00	8522	Outside	4099.00	
Change Over Sub	1.00			4100.00	
Drill Pipe	63.00			4163.00	
Drill Pipe	31.00			4194.00	
Change Over Sub	1.00			4195.00	
Bullnose	3.00			4198.00	107.00 Bottom Packers & Anchor
Total Tool Length:	134.00				



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 50007

DST#: 2

ATTN: Ryan Seib

Test Start: 2012.08.27 @ 03:35:30

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: 5900.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	100% M With Oil Spots	0.610
62.00	5%O 95%M	0.305
62.00	10%O 70%M 20%G	0.305
0.00	372' Weak GIP	0.000
0.00	62' Strong GIP	0.000

Total Length: 248.00 ft

Total Volume: 1.220 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8677

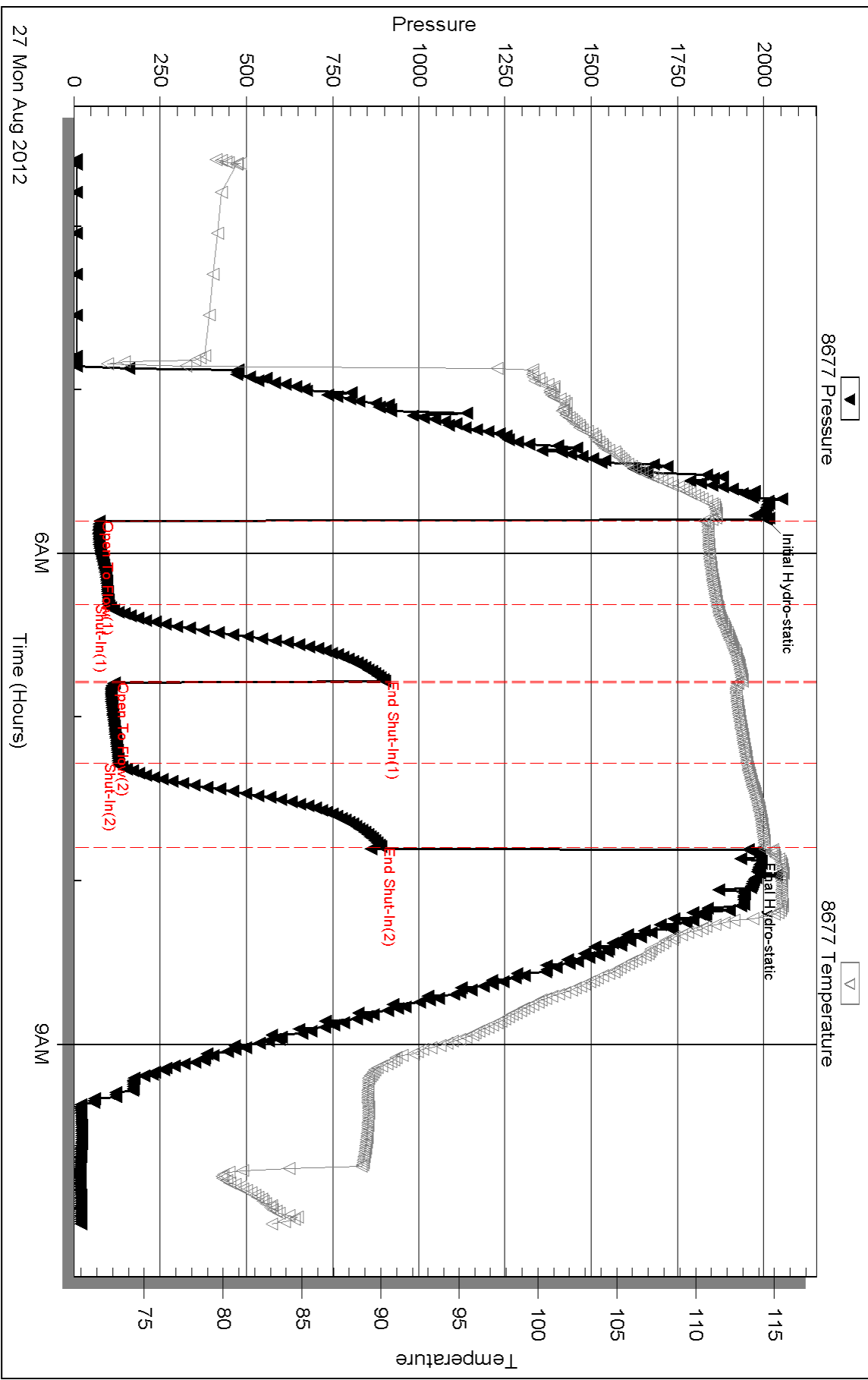
Inside

Palomino Petroleum Inc

Tornado #1

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 50007

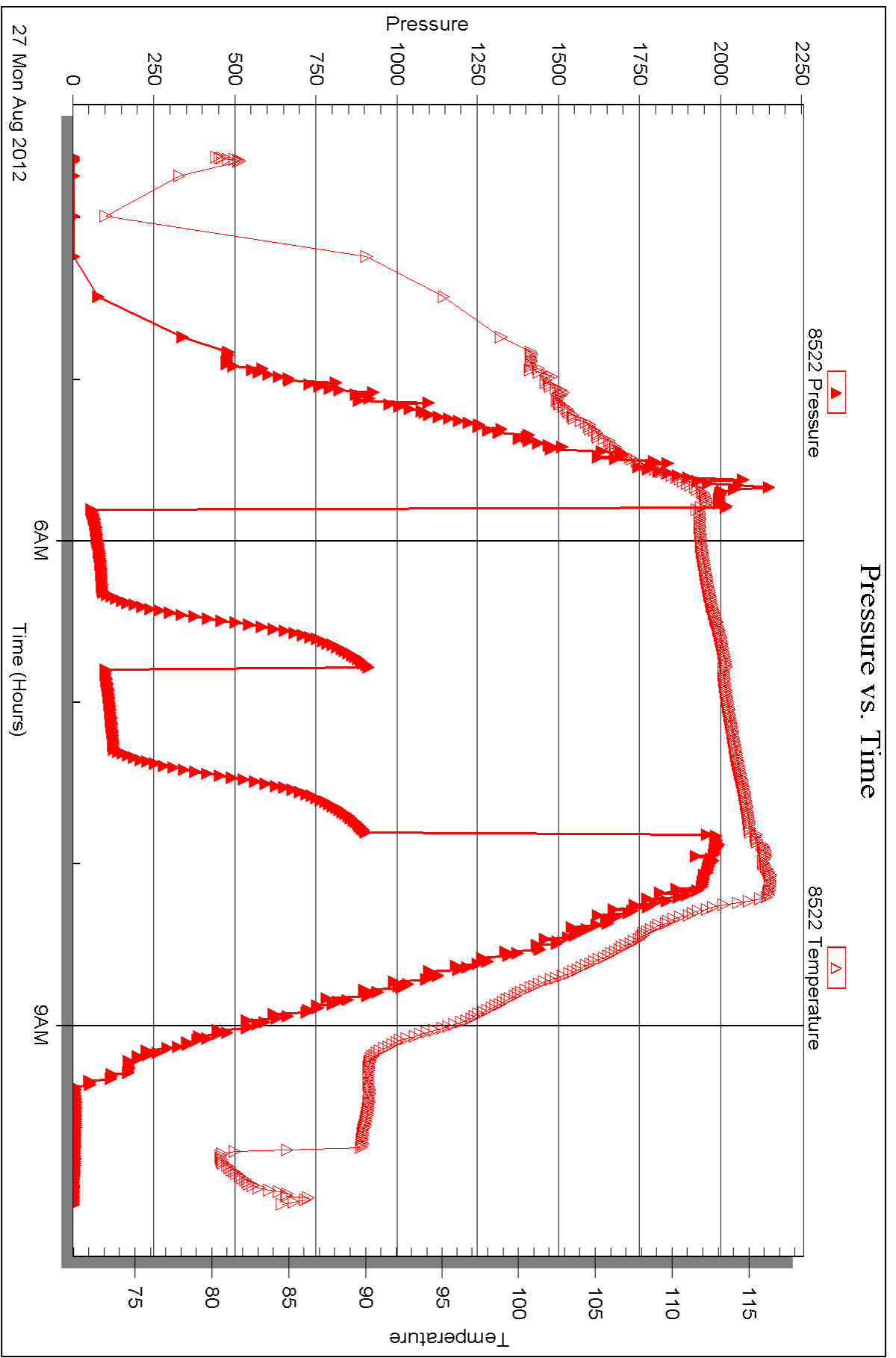
Printed: 2012.09.10 @ 16:32:02

Serial #: 8522

Outside Palomino Petroleum Inc

Tornado #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50007

Printed: 2012.09.10 @ 16:32:03



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 8457
Newton KS 67114

ATTN: Ryan Seib

Tornado #1

8-17s-26w Ness,KS

Start Date: 2012.08.27 @ 20:07:36

End Date: 2012.08.28 @ 03:12:36

Job Ticket #: 50008 DST #: 3

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

Printed: 2012.09.10 @ 16:31:13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 8457
New ton KS 67114
ATTN: Ryan Seib

8-17s-26w Ness,KS

Tornado #1

Job Ticket: 50008

DST#: 3

Test Start: 2012.08.27 @ 20:07:36

GENERAL INFORMATION:

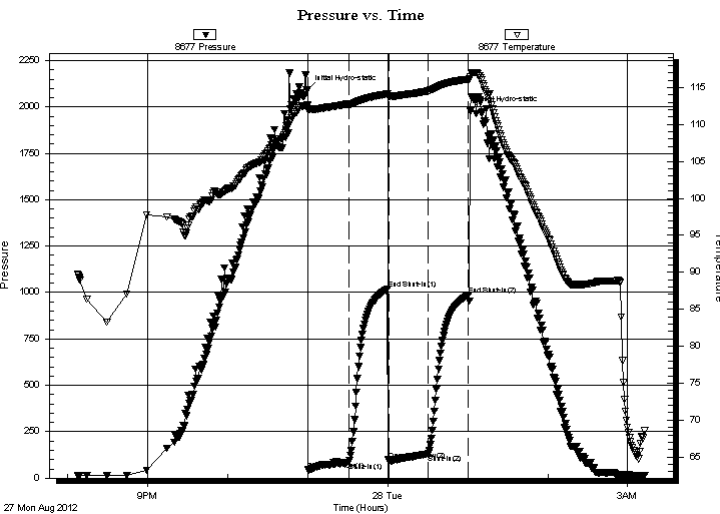
Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:00:21
 Time Test Ended: 03:12:36
 Interval: **4180.00 ft (KB) To 4255.00 ft (KB) (TVD)**
 Total Depth: 4255.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 53
 Reference Elevations: 2629.00 ft (KB)
 2620.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8677

Inside

Press @ Run Depth: 129.07 psig @ 4187.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.27 End Date: 2012.08.28 Last Calib.: 2012.08.28
 Start Time: 20:07:41 End Time: 03:12:35 Time On Btm: 2012.08.27 @ 23:00:06
 Time Off Btm: 2012.08.28 @ 01:02:06

TEST COMMENT: IF-Weak Surface Blow Built to 4"
 ISI-Dead No Return
 FF-B.O.B. 29 mins.
 FSI-Dead No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.68	112.61	Initial Hydro-static
1	44.09	111.93	Open To Flow (1)
31	84.21	112.73	Shut-In(1)
60	1019.44	114.12	End Shut-In(1)
61	94.31	113.82	Open To Flow (2)
91	129.07	114.53	Shut-In(2)
121	986.21	116.11	End Shut-In(2)
122	1977.26	116.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	2%O 98%M	0.61
62.00	5%W 10%O 30%M 55%G	0.30
62.00	10%O 15%W 70%M 5%G	0.30
0.00	Strong GIP	0.00
0.00	Weak GIP	0.00

* 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 Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 50008

DST#: 3

ATTN: Ryan Seib

Test Start: 2012.08.27 @ 20:07:36

Tool Information

Drill Pipe:	Length: 3862.00 ft	Diameter: 3.80 inches	Volume: 54.17 bbl	Tool Weight:	2500.00 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: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose:	74000.00 lb
			<u>Total Volume: 55.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4180.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.00 ft				
Tool Length:	102.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4154.00	
Shut In Tool	5.00			4159.00	
Hydraulic tool	5.00			4164.00	
Jars	5.00			4169.00	
Safety Joint	2.00			4171.00	
Packer	5.00			4176.00	27.00 Bottom Of Top Packer
Packer	4.00			4180.00	
Stubb	1.00			4181.00	
Perforations	6.00			4187.00	
Recorder	0.00	8677	Inside	4187.00	
Recorder	0.00	8522	Outside	4187.00	
Change Over Sub	1.00			4188.00	
Drill Pipe	63.00			4251.00	
Change Over Sub	1.00			4252.00	
Bullnose	3.00			4255.00	75.00 Bottom Packers & Anchor

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 50008

DST#: 3

ATTN: Ryan Seib

Test Start: 2012.08.27 @ 20:07:36

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	2%O 98%M	0.610
62.00	5%W 10%O 30%M 55%G	0.305
62.00	10%O 15%W 70%M 5%G	0.305
0.00	Strong GIP	0.000
0.00	Weak GIP	0.000

Total Length: 248.00 ft

Total Volume: 1.220 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

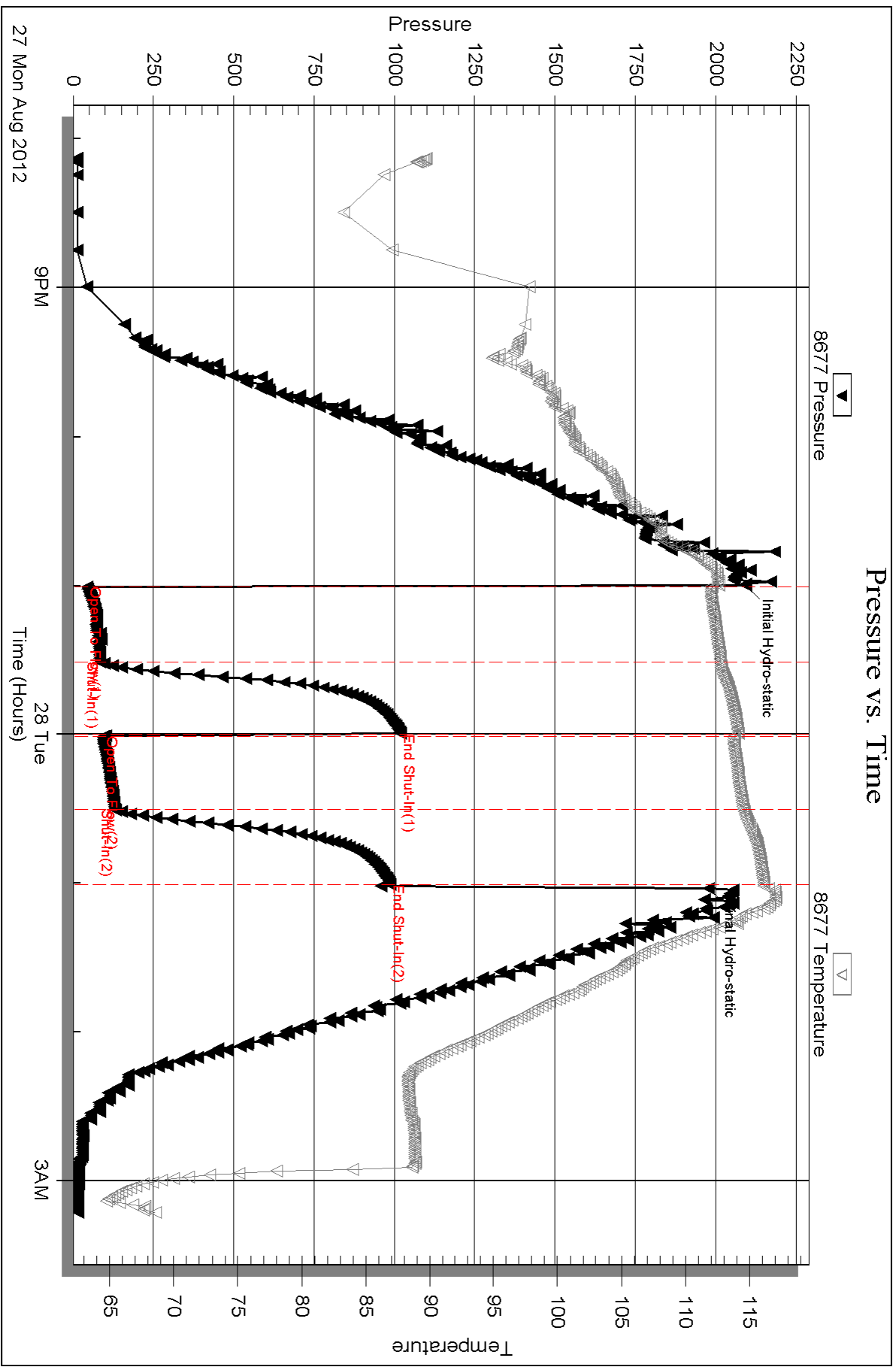
Serial #: 8677

Inside

Palomino Petroleum Inc

Tornado #1

DST Test Number: 3



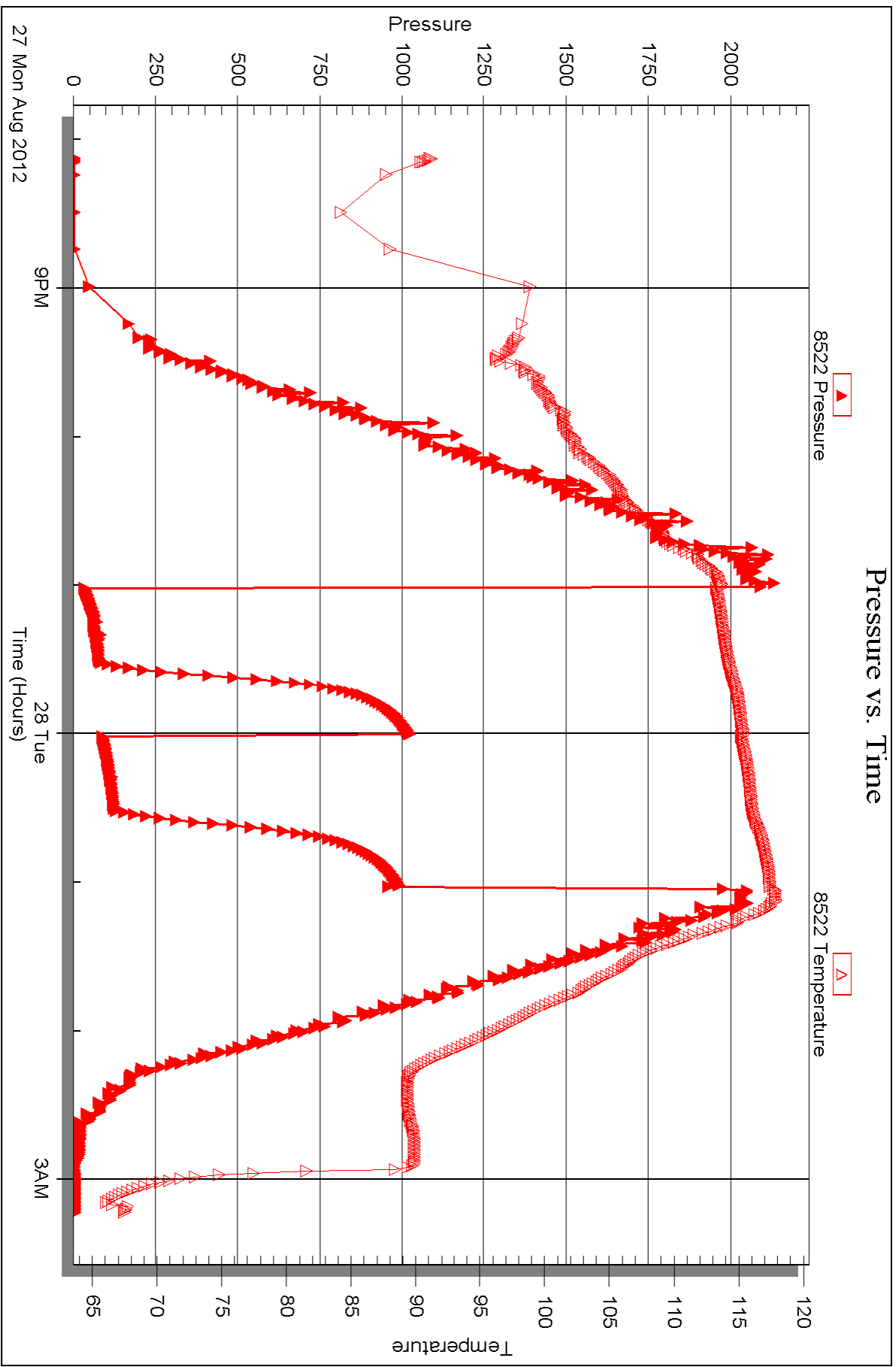
Serial #: 8522

Outside

Palomino Petroleum Inc

Tornado #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 8457
Newton KS 67114

ATTN: Ryan Seib

Tornado #1

8-17s-26w Ness,KS

Start Date: 2012.08.28 @ 19:20:00

End Date: 2012.08.29 @ 02:17:15

Job Ticket #: 48437 DST #: 4

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

Printed: 2012.09.10 @ 16:30:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc
4924 SE 8457
New ton KS 67114
ATTN: Ryan Seib

8-17s-26w Ness,KS

Tornado #1

Job Ticket: 48437

DST#: 4

Test Start: 2012.08.28 @ 19:20:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:09:15

Time Test Ended: 02:17:15

Interval: 4241.00 ft (KB) To 4380.00 ft (KB) (TVD)

Total Depth: 4380.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 53

Reference Elevations: 2629.00 ft (KB)

2620.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8522 Outside

Press @ RunDepth: 32.77 psig @ 4242.00 ft (KB)

Start Date: 2012.08.28

End Date:

2012.08.29

Start Time: 19:20:05

End Time:

02:17:14

Capacity: 8000.00 psig

Last Calib.: 2012.08.29

Time On Btm: 2012.08.28 @ 22:09:00

Time Off Btm: 2012.08.29 @ 00:11:15

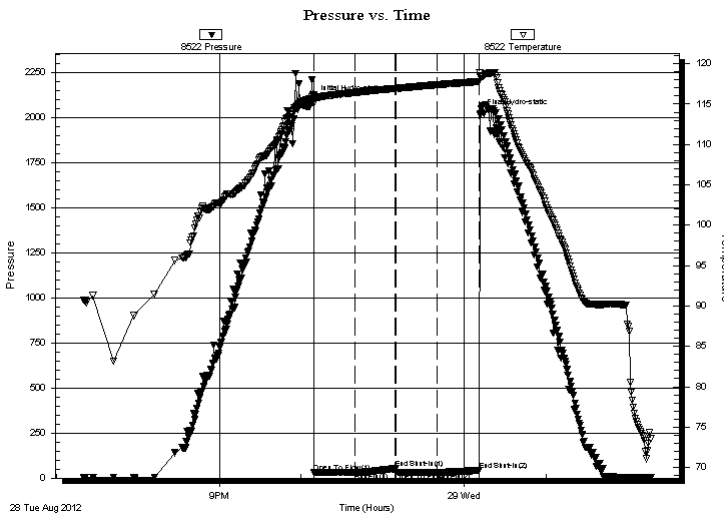
TEST COMMENT: IF: Surface blow , Died @ 19 min.

IS: No return.

FF: No blow .

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2101.00	116.11	Initial Hydro-static
1	30.67	115.03	Open To Flow (1)
31	32.07	116.45	Shut-In(1)
61	53.92	116.95	End Shut-In(1)
61	31.90	116.95	Open To Flow (2)
91	32.77	117.40	Shut-In(2)
122	42.87	117.81	End Shut-In(2)
123	2022.64	118.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100m (oil spots in tool)	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 Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 48437

DST#: 4

ATTN: Ryan Seib

Test Start: 2012.08.28 @ 19:20:00

Tool Information

Drill Pipe:	Length: 3925.00 ft	Diameter: 3.80 inches	Volume: 55.06 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 309.00 ft	Diameter: 2.25 inches	Volume: 1.52 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4241.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	139.00 ft			
Tool Length:	166.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4215.00	
Shut In Tool	5.00			4220.00	
Hydraulic tool	5.00			4225.00	
Jars	5.00			4230.00	
Safety Joint	2.00			4232.00	
Packer	5.00			4237.00	27.00 Bottom Of Top Packer
Packer	4.00			4241.00	
Stubb	1.00			4242.00	
Recorder	0.00	8677	Inside	4242.00	
Recorder	0.00	8522	Outside	4242.00	
Perforations	7.00			4249.00	
Change Over Sub	1.00			4250.00	
Drill Pipe	126.00			4376.00	
Change Over Sub	1.00			4377.00	
Bullnose	3.00			4380.00	139.00 Bottom Packers & Anchor

Total Tool Length: 166.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

8-17s-26w Ness,KS

4924 SE 8457
New ton KS 67114

Tornado #1

Job Ticket: 48437

DST#: 4

ATTN: Ryan Seib

Test Start: 2012.08.28 @ 19:20:00

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: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	mud 100m (oil spots in tool)	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

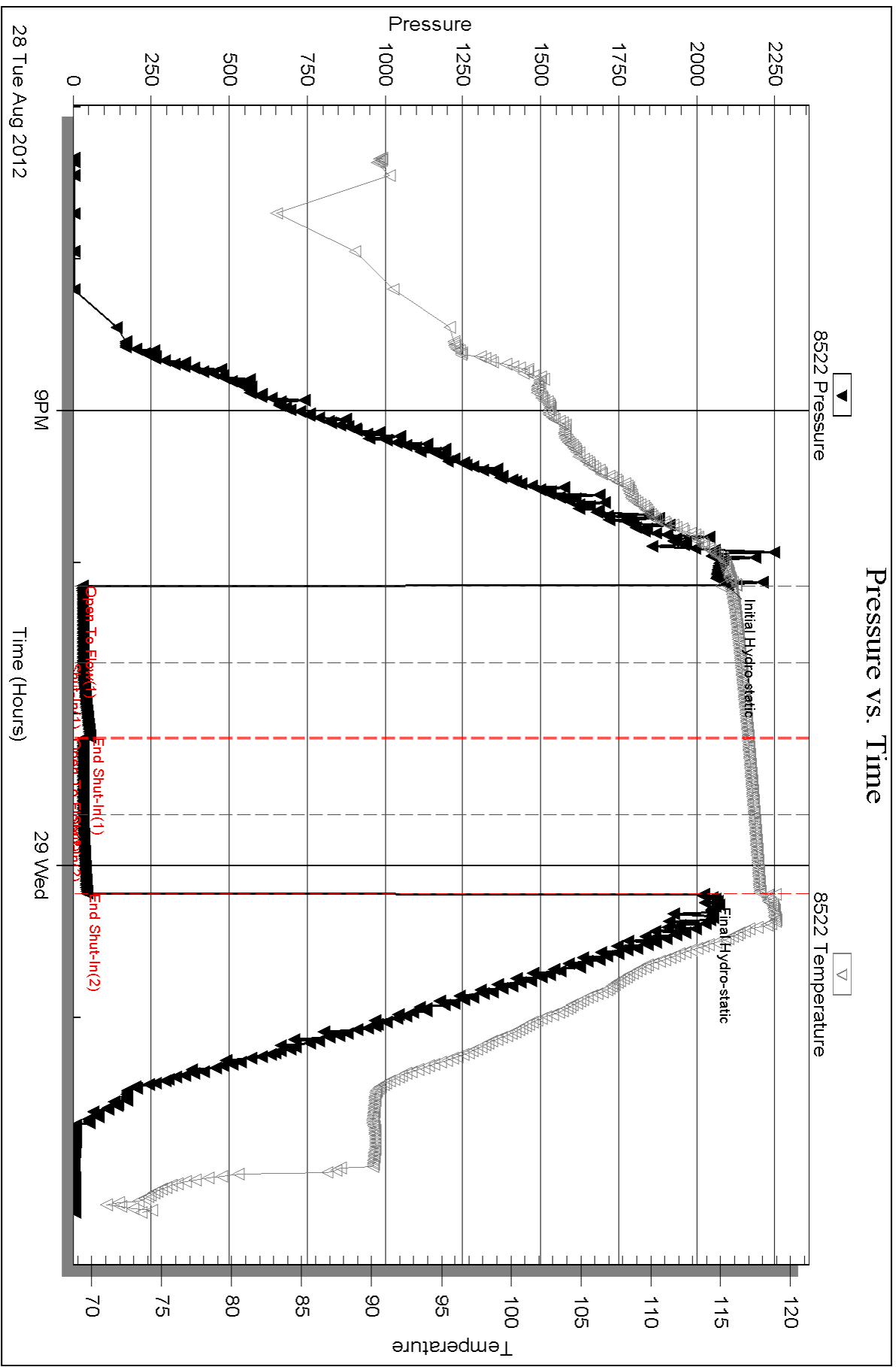
Recovery Comments:

Serial #: 8522

Outside Palomino Petroleum Inc

Tornado #1

DST Test Number: 4



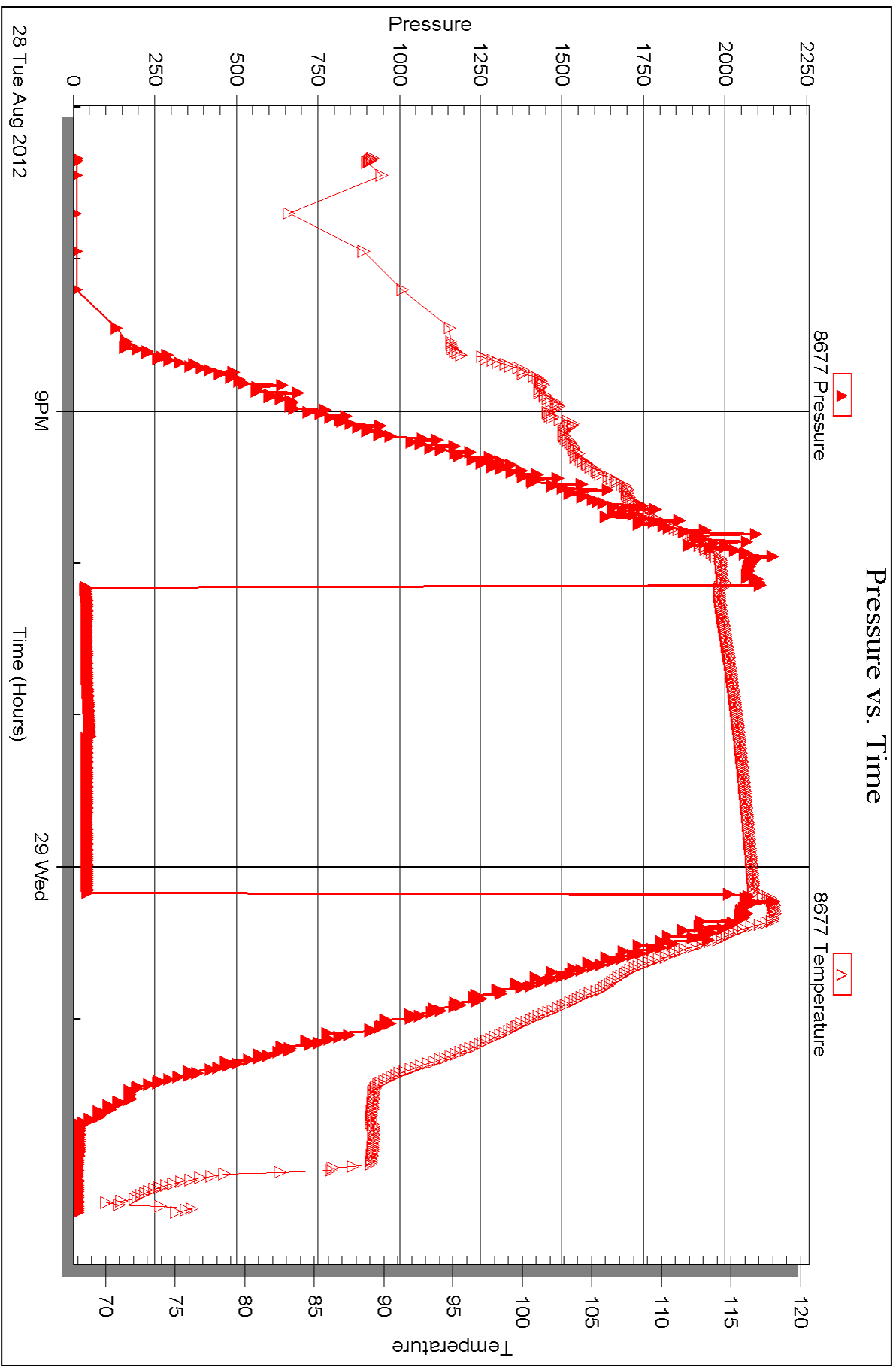
Serial #: 8677

Inside

Palomino Petroleum Inc

Tornado #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 48437

Printed: 2012.09.10 @ 16:30:27



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50006

Well Name & No. Tornado #1 Test No. 1 Date 8-25-12
 Company Palomino Petroleum Elevation 2629 KB 2620 GL
 Address 4924 SE 8457 Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig H2 Rig #3
 Location: Sec. 8 Twp. 17S Rge. 26W Co. Ness State KS

Interval Tested 3892-3962 Zone Tested Toronto
 Anchor Length 70 Drill Pipe Run 3582 Mud Wt. 8.9
 Top Packer Depth 3888 Drill Collars Run 309 Vis 49
 Bottom Packer Depth 3892 Wt. Pipe Run 0 WL 8.8
 Total Depth 3962 Chlorides 3100 ppm System LCM TR
 Blow Description IF-Fair Blow Built to 5in (Had 15' offill Chase it to bottom Had to pick up to make up Another joint of pipe)
ISI-Dead No Return
FF-Weak Surface Blow Built to 2in
FSL-Dead No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>247</u>	<u>Feet of MCW</u>			<u>70</u>	<u>30</u>
<u>62</u>	<u>Feet of Mud</u>				<u>100</u>

Rec Total 309 BHT 116 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>1898</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>23:20</u>
(B) First Initial Flow <u>100</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0:21</u>
(C) First Final Flow <u>140</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:35</u>
(D) Initial Shut-In <u>170 1170</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>5:35</u>
(E) Second Initial Flow <u>159</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:47</u>
(F) Second Final Flow <u>179</u>	<input checked="" type="checkbox"/> Mileage <u>100 R/T</u> ¹⁵⁵	Comments
(G) Final Shut-In <u>1156</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1827</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1630</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1630</u>	

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50007

Well Name & No. Tornado #1 Test No. 2 Date 8-27-12
 Company Palomino Petroleum Elevation 2629 KB 2620 GL
 Address 492.4 SE 8457 Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig H2 Rig # 3
 Location: Sec. 8 Twp. 17S Rge. 26W Co. Ness State KS

Interval Tested 4091 - 4198 Zone Tested Lansing
 Anchor Length 107 Drill Pipe Run 3769 Mud Wt. 9.0
 Top Packer Depth 4087 Drill Collars Run 309 Vis 52
 Bottom Packer Depth 4091 Wt. Pipe Run 0 WL 8.8
 Total Depth 4198 Chlorides 5700 ppm System LCM 1#

Blow Description IF - Fair Surface Blow Built to 4 3/4 in.
ISI - Dead No Blow Back
FF - Fair Surface Blow Built to Tin.
FSL - Weak Surface Blow Died Out In 18 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>Mud with Oil Spots</u>			<u>100</u>	
<u>62</u>	<u>ISO CM</u>		<u>5</u>	<u>75</u>	
<u>62</u>	<u>GOLM</u>	<u>20</u>	<u>10</u>	<u>70</u>	
<u>372</u>	<u>Weak GIP</u>	<u>100</u>			
<u>62</u>	<u>Strong GIP</u>	<u>100</u>			

Rec Total 248 BHT 114 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2008 Test 1250 T-On Location 2:55
 (B) First Initial Flow 74 Jars 250 T-Started 3:35
 (C) First Final Flow 100 Safety Joint 75 T-Open 5:45
 (D) Initial Shut-In 900 Circ Sub N/C T-Pulled 7:45
 (E) Second Initial Flow 118 Hourly Standby _____ T-Out 10:05
 (F) Second Final Flow 129 Mileage 100 R/T 155 Comments Chased 4ft to Bottom
 (G) Final Shut-In 891 Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1730
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1730

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

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50008

Well Name & No. Tornado #1 Test No. 3 Date 8-27-12
 Company Palomino Petroleum Elevation 2629 KB 2620 GL
 Address 4924 SE 8457 Newton KS 67114
 Co. Rep / Geo. Ryan Seib Rig H2 Rig #3
 Location: Sec. 8 Twp. 17s Rge. 26w Co. Ness State KS

Interval Tested 4180 - 4255 Zone Tested Lansing
 Anchor Length 75 Drill Pipe Run 3862 Mud Wt. 9.2
 Top Packer Depth 4174 Drill Collars Run 309 Vis 55
 Bottom Packer Depth 4180 Wt. Pipe Run 0 WL 8.8
 Total Depth 4255 Chlorides 4400 ppm System LCM 1

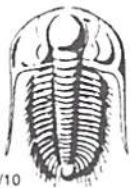
Blow Description IF - Weak Surface Blow Built to 4 in.
ISI - Dead No Return
FF - B.O.B. IN 29 mins
FSL - Dead No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>VSOCM</u>		<u>2</u>		<u>98</u>
<u>62</u>	<u>GWCOM</u>	<u>55</u>	<u>10</u>	<u>5</u>	<u>30</u>
<u>62</u>	<u>GWCOM</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>70</u>
<u>124</u>	<u>Weak GIP</u>	<u>100</u>			
<u>248</u>	<u>Strong GIP</u>	<u>100</u>			
Rec Total <u>248</u>	BHT <u>116</u>	Gravity <u>-</u>	API RW <u>-</u>	@ <u>-</u>	F Chlorides <u>-</u> ppm

(A) Initial Hydrostatic 2094 Test 1250 T-On Location 19:30
 (B) First Initial Flow 44 Jars 250 T-Started 20:07
 (C) First Final Flow 84 Safety Joint 75 T-Open 23:00
 (D) Initial Shut-In 1019 Circ Sub N/C T-Pulled 1:00
 (E) Second Initial Flow 94 Hourly Standby T-Out 3:12
 (F) Second Final Flow 129 Mileage 100 R/T 155 Comments _____
 (G) Final Shut-In 986 Sampler _____
 (H) Final Hydrostatic 1977 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1730
 MP/DST Disc't _____
 Sub Total 1730

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48437

Well Name & No. Tornado #1 Test No. 4 Date 8-28-12
 Company Palomino Petroleum Elevation 2629 KB 2620 GL
 Address 4924 SE 8457 Newton, Ks 67114
 Co. Rep / Geo. Ryan Seib Rig H2-#3
 Location: Sec. 8 Twp. 17S Rge. 26W Co. Miss State Ks

Interval Tested 4241-4380 Zone Tested Permian
 Anchor Length 139' Drill Pipe Run 3925 Mud Wt. 9.3
 Top Packer Depth 4236 Drill Collars Run 309 Vis 53
 Bottom Packer Depth 4241 Wt. Pipe Run 0 WL 8.4
 Total Depth 4380 Chlorides 3800 ppm System LCM 1#

Blow Description IF: Surface blow, died @ 19 min.
ISI: No return
FF: No blow
FSI: No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD</u>				<u>100</u>
	<u>(OIL SPOTS IN TOOL)</u>				

Rec Total 10 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2101</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>1800</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1920</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>2209</u>
(D) Initial Shut-In <u>54</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0009 8/29</u>
(E) Second Initial Flow <u>32</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0216</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> 155	Comments _____
(G) Final Shut-In <u>43</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2023</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>1730</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1730</u>	

Approved By _____ Our Representative [Signature]

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