



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.13 @ 13:49:15

End Date: 2012.10.13 @ 19:01:45

Job Ticket #: 47944 DST #: 1

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

Printed: 2012.10.18 @ 11:49:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 47944

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.10.13 @ 13:49:15

GENERAL INFORMATION:

Formation: **Lansing "H-I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:32:05

Time Test Ended: 19:01:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3833.00 ft (KB) To 3895.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 3895.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press @ Run Depth: 31.11 psig @ 3872.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.13

End Date:

2012.10.13

Last Calib.: 2012.10.13

Start Time: 13:59:15

End Time:

19:01:45

Time On Btm: 2012.10.13 @ 15:31:45

Time Off Btm: 2012.10.13 @ 17:33:15

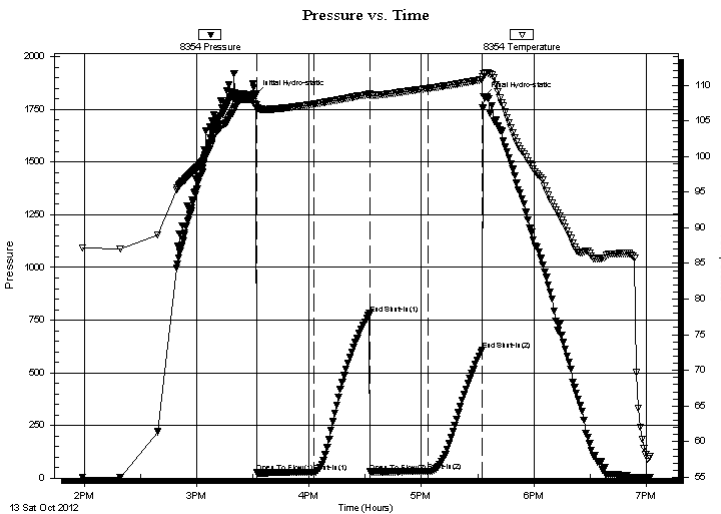
TEST COMMENT: IF- Weak surface blow . Died @ 9 minutes.

ISI-No Return.

FF-No Blow .

FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.59	107.22	Initial Hydro-static
1	26.42	106.63	Open To Flow (1)
31	27.01	107.34	Shut-In(1)
61	780.58	108.72	End Shut-In(1)
61	29.11	108.57	Open To Flow (2)
92	31.11	109.53	Shut-In(2)
121	606.83	110.76	End Shut-In(2)
122	1811.02	111.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	100%Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 47944

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.10.13 @ 13:49:15

Tool Information

Drill Pipe:	Length: 3698.00 ft	Diameter: 3.80 inches	Volume: 51.87 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 52.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3833.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 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			3806.00	
Shut In Tool	5.00			3811.00	
Hydraulic tool	5.00			3816.00	
Jars	5.00			3821.00	
Safety Joint	3.00			3824.00	
Packer	5.00			3829.00	28.00 Bottom Of Top Packer
Packer	4.00			3833.00	
Stubb	1.00			3834.00	
Perforations	5.00			3839.00	
Change Over Sub	1.00			3840.00	
Drill Pipe	31.00			3871.00	
Change Over Sub	1.00			3872.00	
Recorder	0.00	8354	Inside	3872.00	
Recorder	0.00	8520	Outside	3872.00	
Perforations	20.00			3892.00	
Bullnose	3.00			3895.00	62.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 47944

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.10.13 @ 13:49:15

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	100%Mud	0.039

Total Length: 8.00 ft Total Volume: 0.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

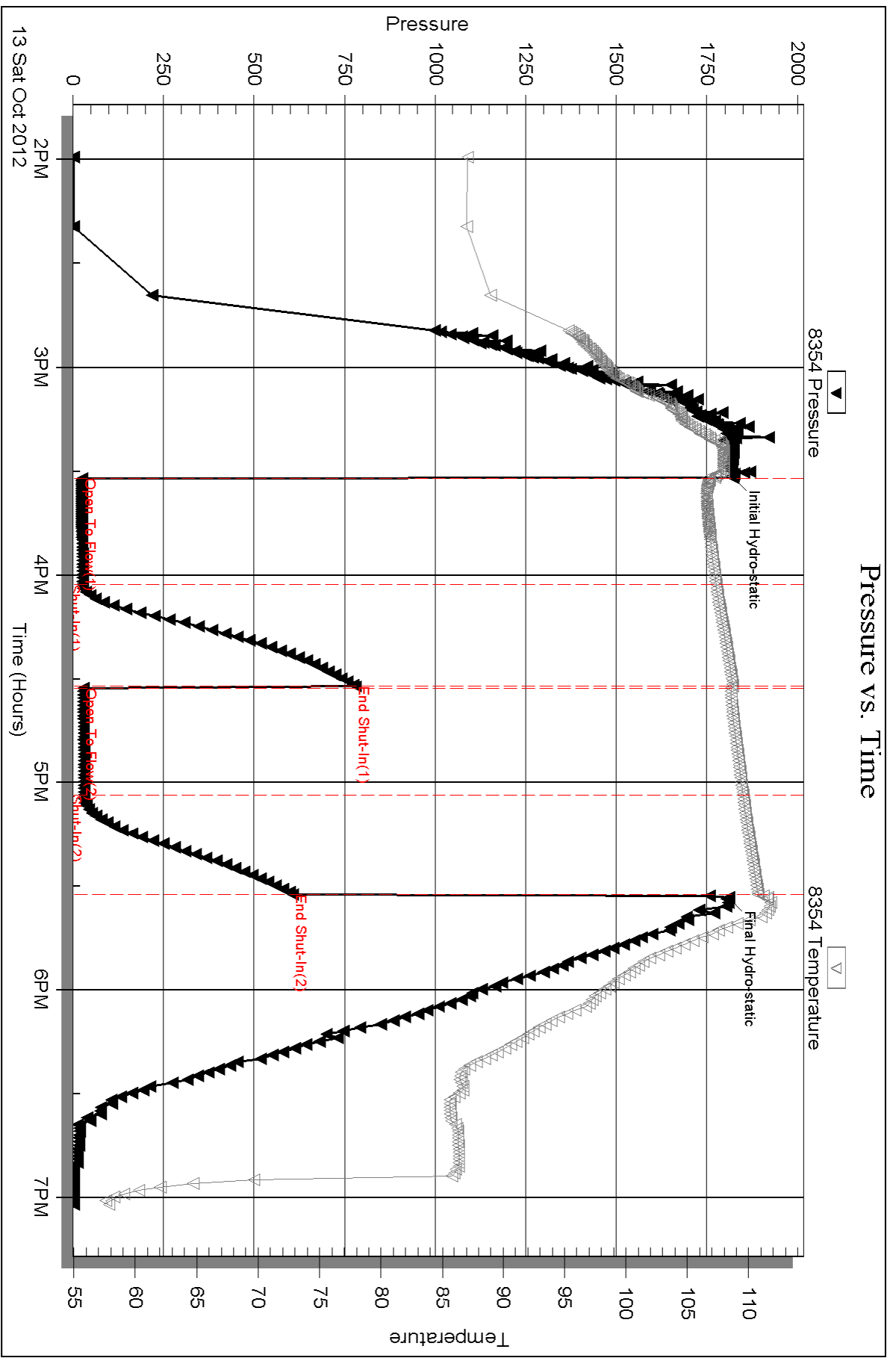
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47944

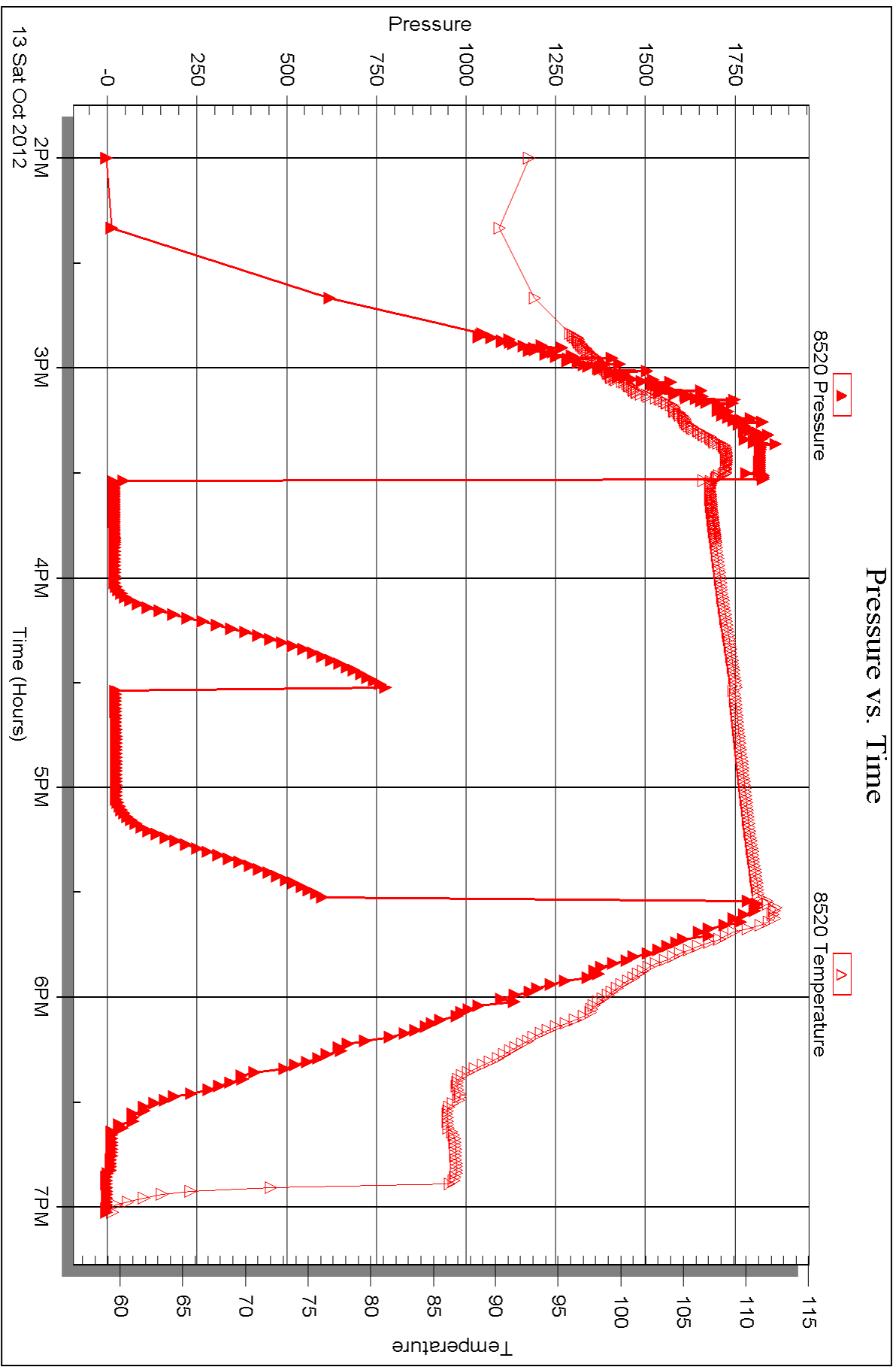
Printed: 2012.10.18 @ 11:49:52

Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.14 @ 08:02:00

End Date: 2012.10.14 @ 13:14:00

Job Ticket #: 51009 DST #: 2

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

Printed: 2012.10.18 @ 11:49:00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51009

DST#: 2

ATTN: Nick Gerstner

Test Start: 2012.10.14 @ 08:02:00

GENERAL INFORMATION:

Formation: **Lansing "K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:37:40

Time Test Ended: 13:14:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3916.00 ft (KB) To 4005.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4005.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 75.25 psig @ 3986.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.14

End Date:

2012.10.14

Last Calib.: 2012.10.14

Start Time: 08:12:00

End Time:

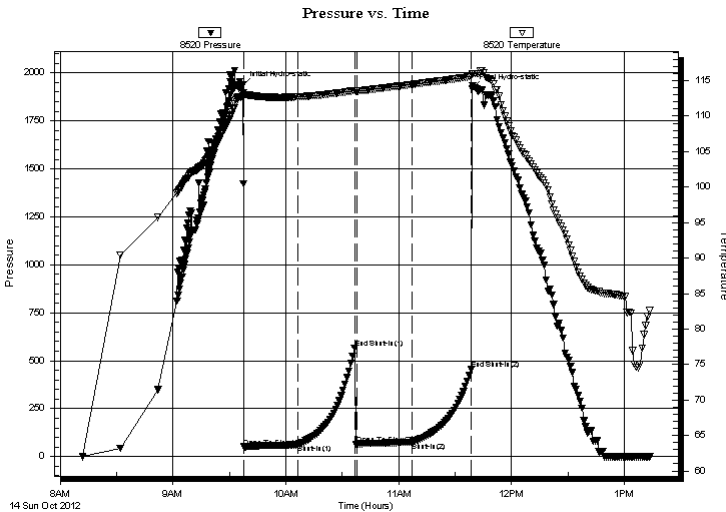
13:14:00

Time On Btm: 2012.10.14 @ 09:37:20

Time Off Btm: 2012.10.14 @ 11:39:00

TEST COMMENT: 30 - IF- 2" Blow .
30 - IS- No blow back.
30 - FF- 5" blow
30 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.76	113.30	Initial Hydro-static
1	51.05	112.70	Open To Flow (1)
30	62.60	112.72	Shut-In(1)
60	567.27	113.60	End Shut-In(1)
61	65.18	113.53	Open To Flow (2)
90	75.25	114.46	Shut-In(2)
122	454.26	115.59	End Shut-In(2)
122	1918.86	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GOCM, 20%G, 20%O, 60%M	0.31

* 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.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51009

DST#: 2

ATTN: Nick Gerstner

Test Start: 2012.10.14 @ 08:02:00

Tool Information

Drill Pipe:	Length: 3794.00 ft	Diameter: 3.80 inches	Volume: 53.22 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 53.83 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	3916.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	89.00 ft				
Tool Length:	117.00 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			3889.00	
Shut In Tool	5.00			3894.00	
Hydraulic tool	5.00			3899.00	
Jars	5.00			3904.00	
Safety Joint	3.00			3907.00	
Packer	5.00			3912.00	28.00 Bottom Of Top Packer
Packer	4.00			3916.00	
Stubb	1.00			3917.00	
Perforations	5.00			3922.00	
Change Over Sub	1.00			3923.00	
Drill Pipe	62.00			3985.00	
Change Over Sub	1.00			3986.00	
Recorder	0.00	8354	Inside	3986.00	
Recorder	0.00	8520	Outside	3986.00	
Perforations	16.00			4002.00	
Bullnose	3.00			4005.00	89.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51009

DST#: 2

ATTN: Nick Gerstner

Test Start: 2012.10.14 @ 08:02:00

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
64.00	GOCM, 20%G, 20%O, 60%M	0.315

Total Length: 64.00 ft Total Volume: 0.315 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

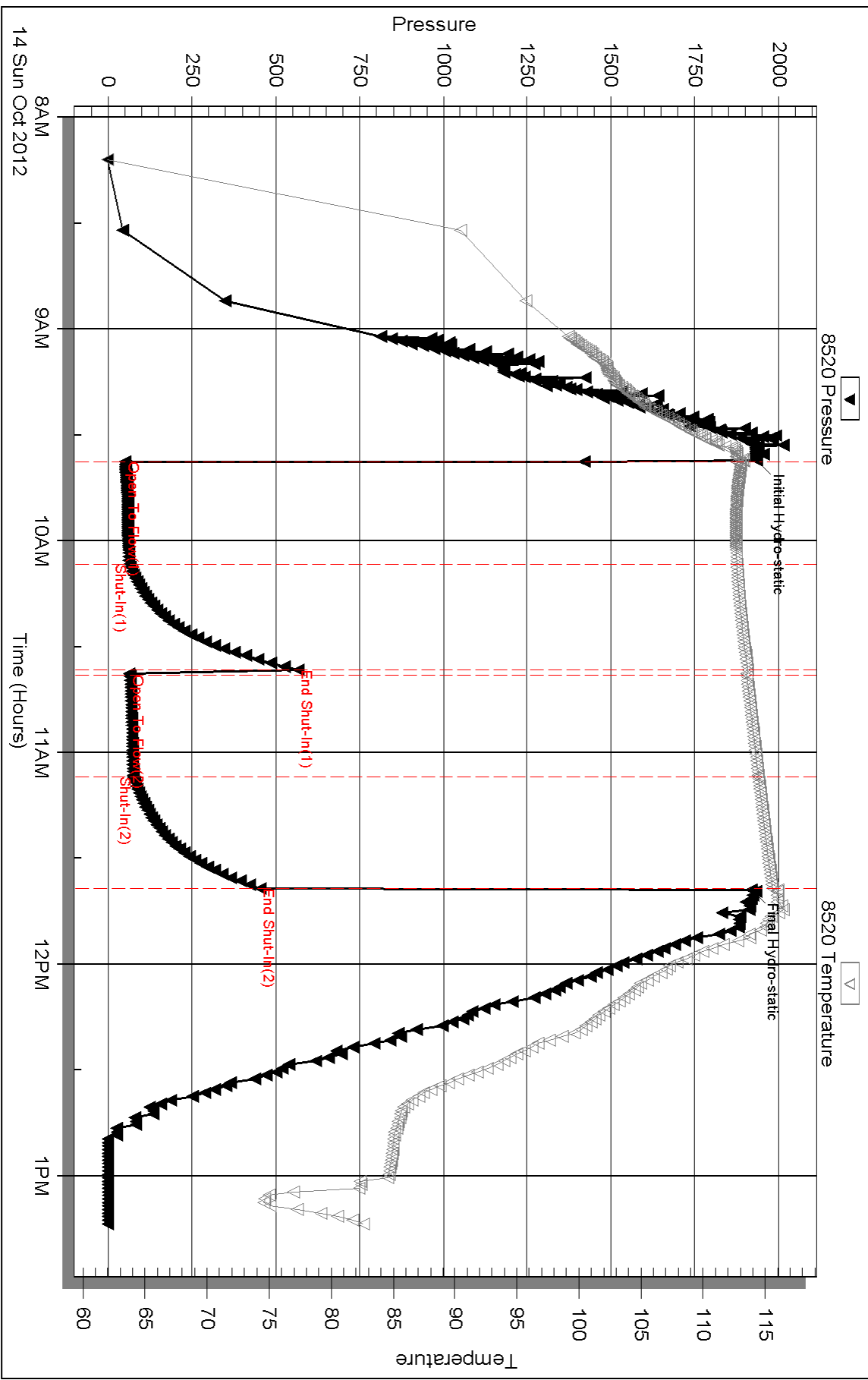
Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 2

Pressure vs. Time



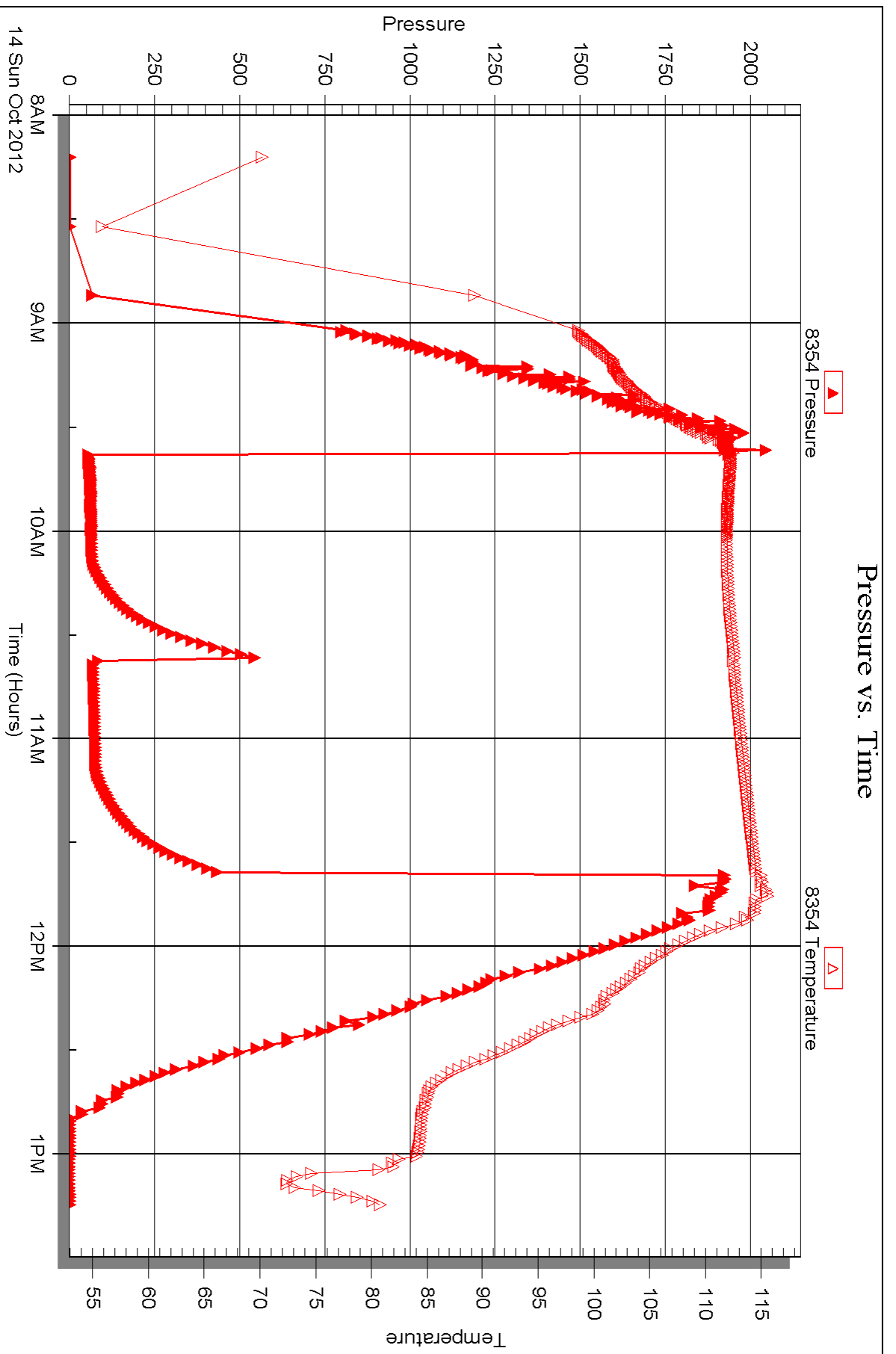
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 51009

Printed: 2012.10.18 @ 11:49:05



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.15 @ 12:43:00

End Date: 2012.10.15 @ 19:25:00

Job Ticket #: 51010 DST #: 3

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

Printed: 2012.10.18 @ 11:48:07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:40

Time Test Ended: 19:25:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 4227.00 ft (KB) To 4289.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4289.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 102.95 psig @ 4266.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.15

End Date:

2012.10.15

Last Calib.:

2012.10.15

Start Time: 12:53:00

End Time:

19:25:00

Time On Btm:

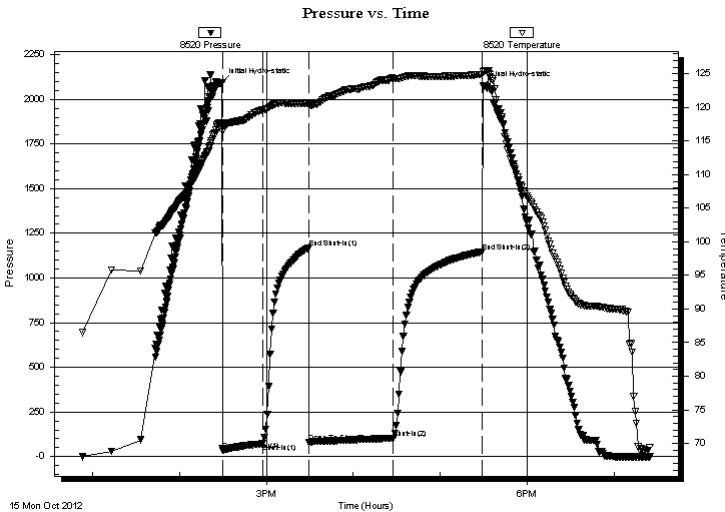
2012.10.15 @ 14:29:20

Time Off Btm:

2012.10.15 @ 17:29:30

TEST COMMENT: 30 - IF- 4" blow
30 - IS- No blow back
60 - FF- 4" blow .
60 - FS- Surface blow , fading in and out.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.82	117.74	Initial Hydro-static
1	36.90	117.06	Open To Flow (1)
29	73.22	119.66	Shut-In(1)
60	1166.90	120.68	End Shut-In(1)
61	82.43	120.37	Open To Flow (2)
119	102.95	124.33	Shut-In(2)
180	1146.99	124.93	End Shut-In(2)
181	2079.00	125.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
169.00	GHOCM, 5%G, 35%O, 60%M	1.24
0.00	77' of G.I.P.	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.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

Tool Information

Drill Pipe:	Length: 4108.00 ft	Diameter: 3.80 inches	Volume: 57.62 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 58.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4227.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	90.00 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			4200.00	
Shut In Tool	5.00			4205.00	
Hydraulic tool	5.00			4210.00	
Jars	5.00			4215.00	
Safety Joint	3.00			4218.00	
Packer	5.00			4223.00	28.00 Bottom Of Top Packer
Packer	4.00			4227.00	
Stubb	1.00			4228.00	
Perforations	5.00			4233.00	
Change Over Sub	1.00			4234.00	
Drill Pipe	31.00			4265.00	
Change Over Sub	1.00			4266.00	
Recorder	0.00	8354	Inside	4266.00	
Recorder	0.00	8520	Outside	4266.00	
Perforations	20.00			4286.00	
Bullnose	3.00			4289.00	62.00 Bottom Packers & Anchor
Total Tool Length:	90.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51010

DST#: 3

ATTN: Nick Gerstner

Test Start: 2012.10.15 @ 12:43:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
169.00	GHOCM, 5%G, 35%O, 60%M	1.241
0.00	77' of G.I.P.	0.000

Total Length: 169.00 ft Total Volume: 1.241 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

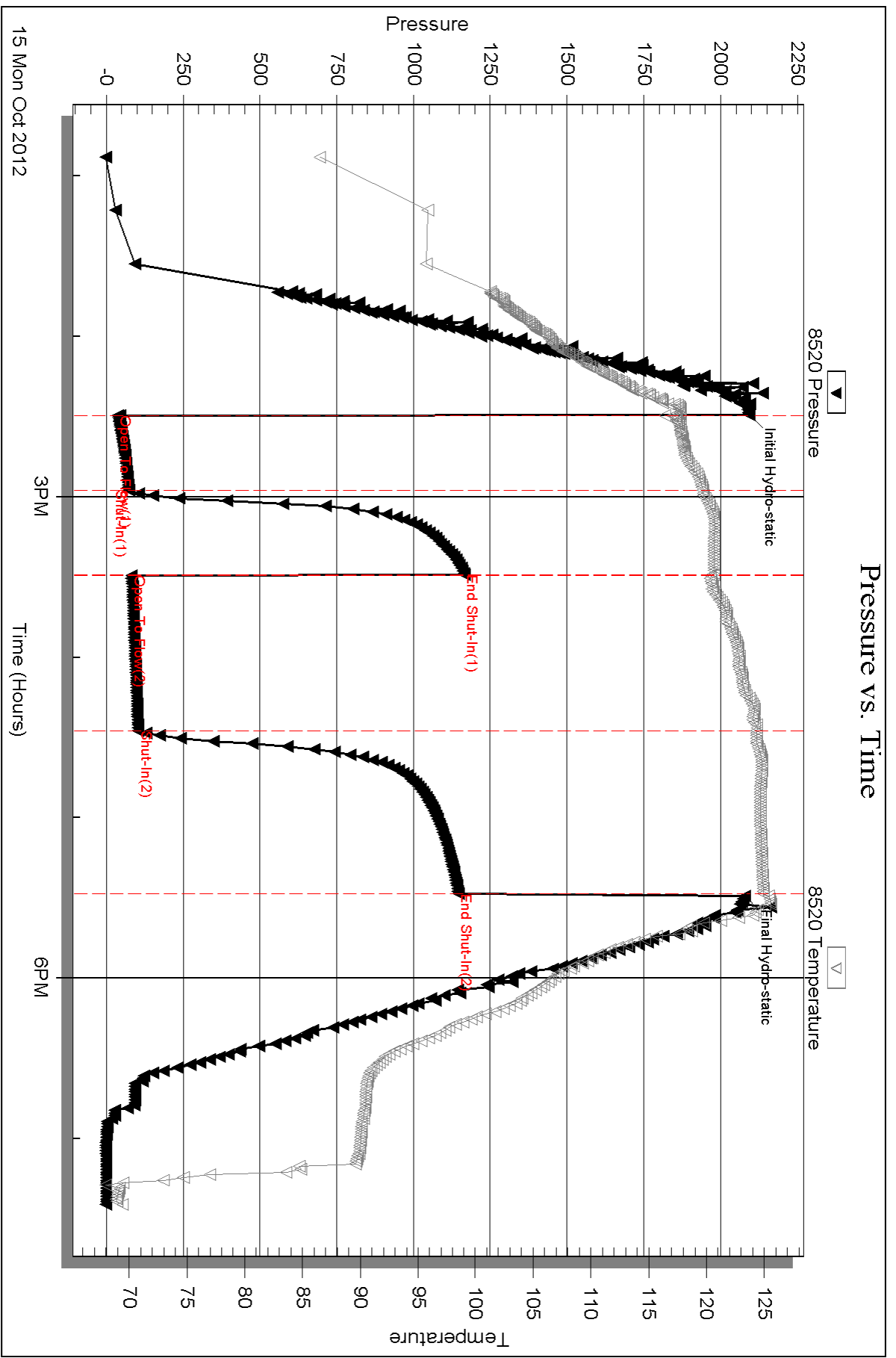
Recovery Comments:

Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 3



15 Mon Oct 2012

Triobite Testing, Inc

Ref. No: 51010

Printed: 2012.10.18 @ 11:48:12

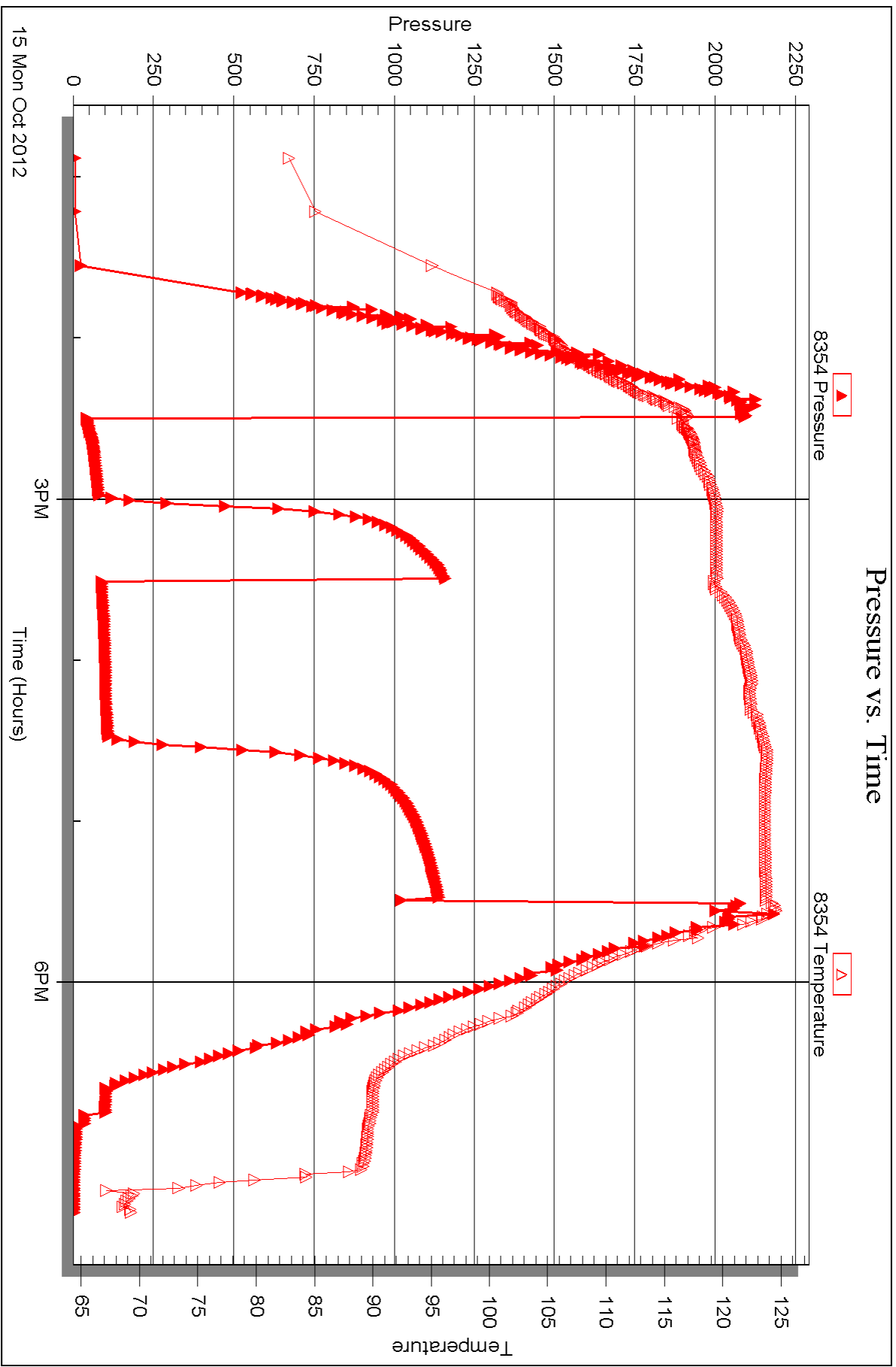
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Eza #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Elza #1

12-15s-26w Gove,KS

Start Date: 2012.10.16 @ 00:36:00

End Date: 2012.10.16 @ 06:17:30

Job Ticket #: 51011 DST #: 4

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

Printed: 2012.10.18 @ 11:47:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51011

DST#: 4

ATTN: Nick Gerstner

Test Start: 2012.10.16 @ 00:36:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:27:00

Time Test Ended: 06:17:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 4291.00 ft (KB) To 4299.00 ft (KB) (TVD)

Reference Elevations: 2381.00 ft (KB)

Total Depth: 4299.00 ft (KB) (TVD)

2376.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 75.06 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.16

End Date:

2012.10.16

Last Calib.:

2012.10.16

Start Time: 00:46:00

End Time:

06:17:30

Time On Btm:

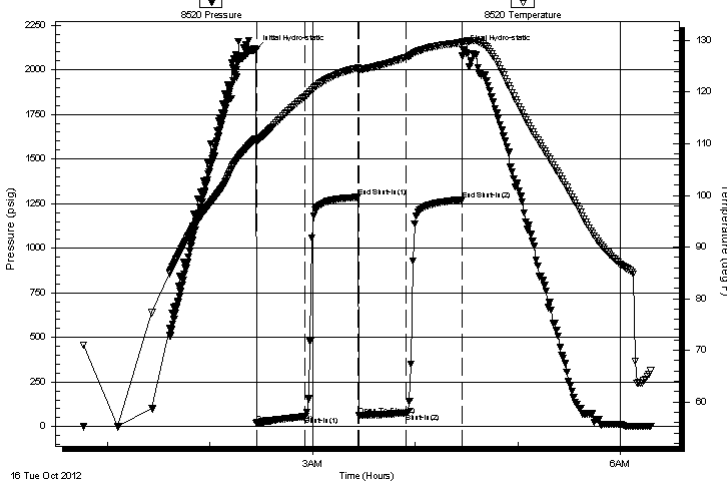
2012.10.16 @ 02:26:50

Time Off Btm:

2012.10.16 @ 04:28:00

TEST COMMENT: 30 - IF- 5" blow
30 - IS- Surface blow back
30 - FF- 7" blow
30 - FS- Surface blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.43	110.99	Initial Hydro-static
1	20.06	110.20	Open To Flow (1)
29	57.15	119.18	Shut-In(1)
60	1286.29	124.70	End Shut-In(1)
61	62.73	124.38	Open To Flow (2)
88	75.06	126.73	Shut-In(2)
121	1270.71	129.55	End Shut-In(2)
122	2113.29	129.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	HOCM, 40%O, 60%M	1.04
60.00	GO, 40%O, 60%G	0.84
0.00	248' of G.I.P.	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, Inc.

12-15s-26w Gove, KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51011

DST#: 4

ATTN: Nick Gerstner

Test Start: 2012.10.16 @ 00:36:00

Tool Information

Drill Pipe:	Length: 4170.00 ft	Diameter: 3.80 inches	Volume: 58.49 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 59.10 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4291.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 ft				
Tool Length:	36.00 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			4264.00	
Shut In Tool	5.00			4269.00	
Hydraulic tool	5.00			4274.00	
Jars	5.00			4279.00	
Safety Joint	3.00			4282.00	
Packer	5.00			4287.00	28.00 Bottom Of Top Packer
Packer	4.00			4291.00	
Stubb	1.00			4292.00	
Perforations	4.00			4296.00	
Recorder	0.00	8354	Inside	4296.00	
Recorder	0.00	8520	Outside	4296.00	
Bullnose	3.00			4299.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

12-15s-26w Gove,KS

4924 SE 84th St.
New ton, KS 67114

Elza #1

Job Ticket: 51011

DST#: 4

ATTN: Nick Gerstner

Test Start: 2012.10.16 @ 00:36:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
155.00	HOCM, 40%O, 60%M	1.045
60.00	GO, 40%O, 60%G	0.842
0.00	248' of G.I.P.	0.000

Total Length: 215.00 ft Total Volume: 1.887 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

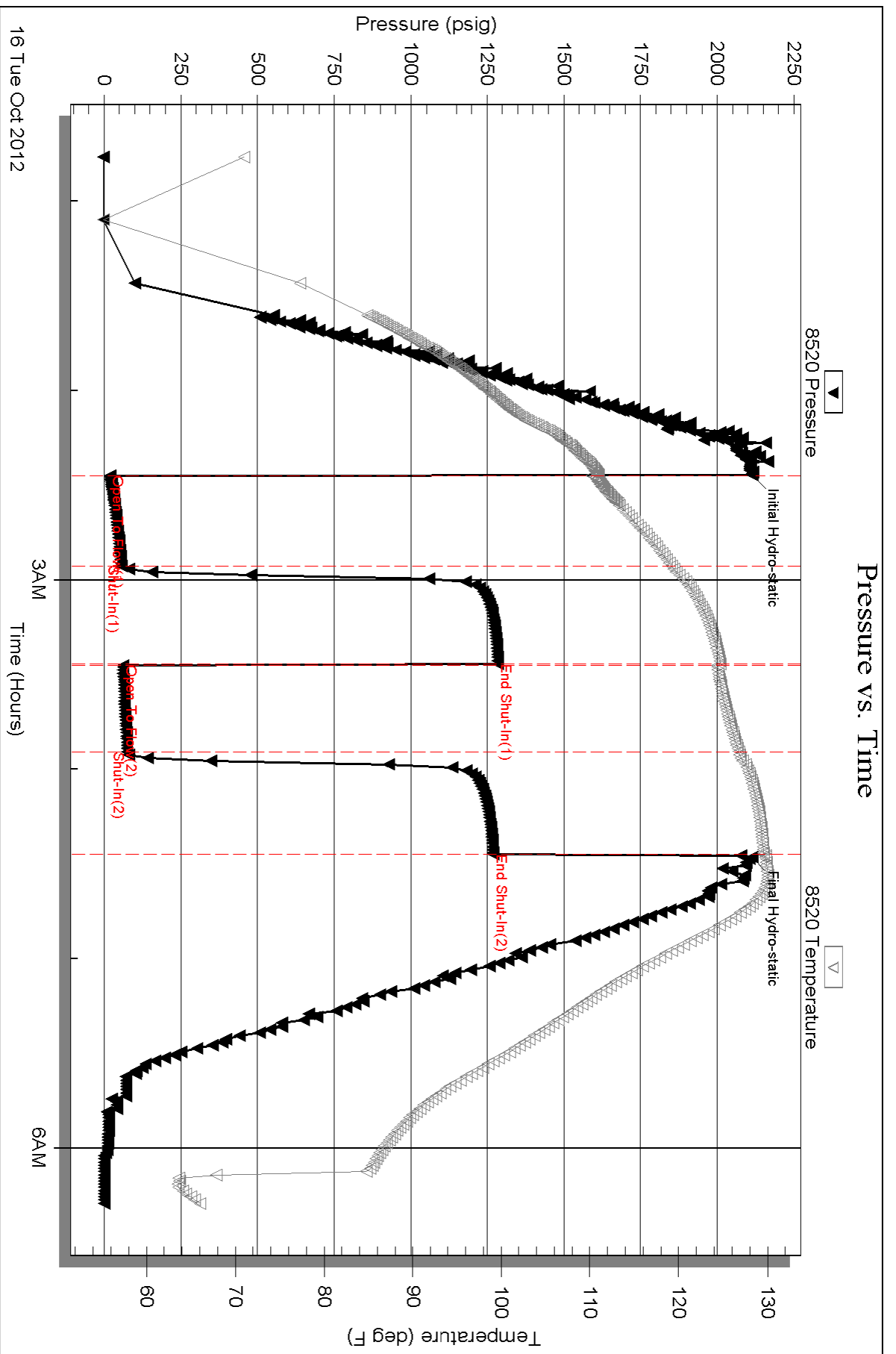
Recovery Comments:

Serial #: 8520

Outside Palomino Petroleum, Inc.

Eza #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 51011

Printed: 2012.10.18 @ 11:47:29

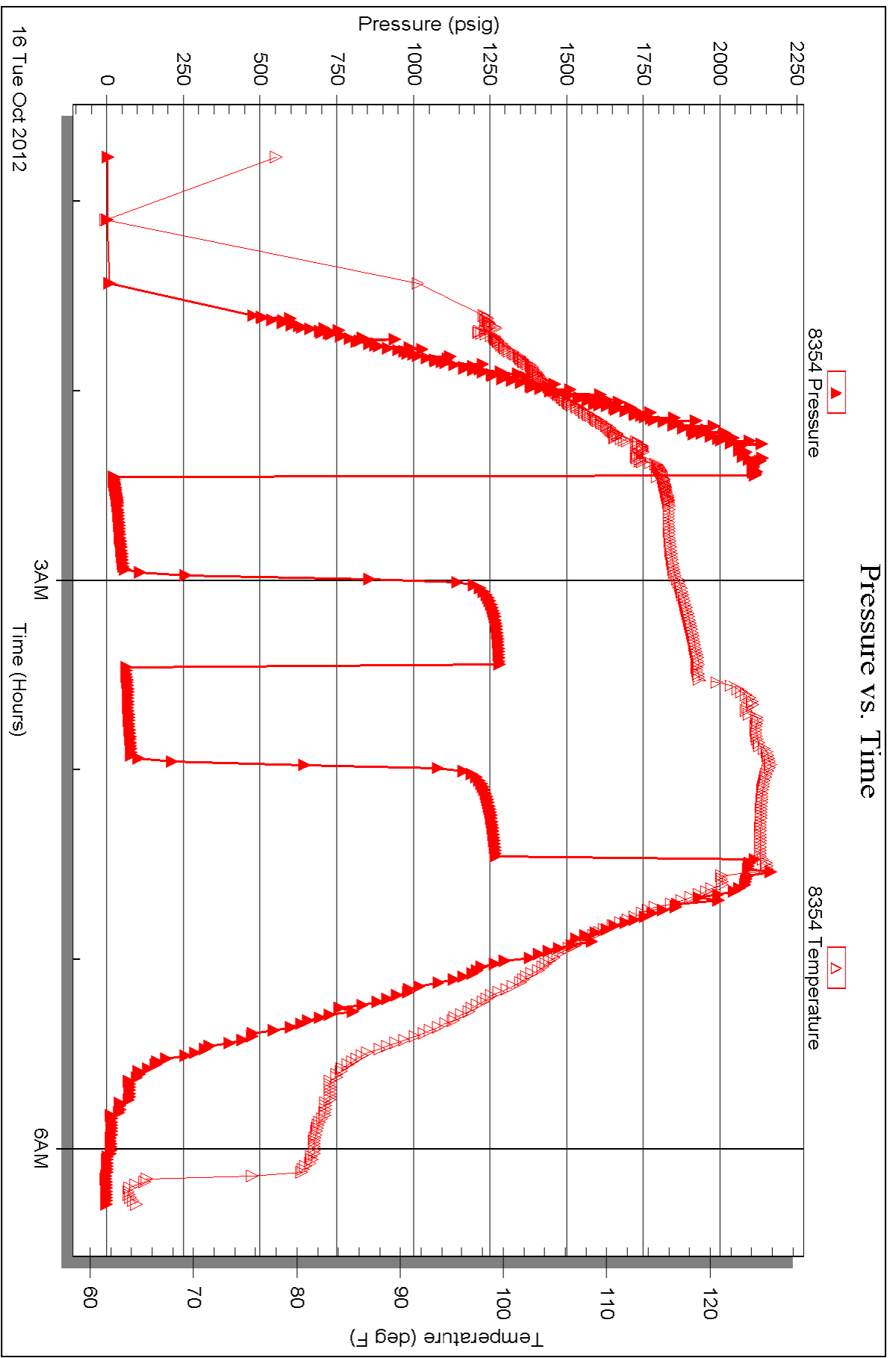
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Eza #1

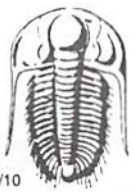
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 51011

Printed: 2012.10.18 @ 11:47:29



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47944

Well Name & No. Elza #1 Test No. 1 Date 10-13-12
 Company Palomino Petroleum, Inc. Elevation 2381 KB 2376 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Nick Gelstner Rig NW #10
 Location: Sec. 12 Twp. 15S Rge. 26W Co. Cove State KS

Interval Tested 3833-3895 Zone Tested Lansing "H+I"
 Anchor Length 62' Drill Pipe Run _____ Mud Wt. 9.15
 Top Packer Depth 3828 Drill Collars Run 123.78 Vis 43
 Bottom Packer Depth 3833 Wt. Pipe Run 0 WL 7.6
 Total Depth 3895 Chlorides 3200 ppm System LCM 2#

Blow Description IF- Weak surface flow. Died @ 9 minutes.
ISI- No Return.
FF- No Blow
FBI- No Return.

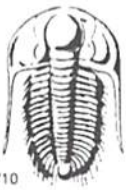
Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>Mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 8 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1823</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>1145</u>
(B) First Initial Flow <u>26</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1415</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1532</u>
(D) Initial Shut-In <u>781</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1735</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1900</u>
(F) Second Final Flow <u>31</u>	<input checked="" type="checkbox"/> Mileage <u>75x2</u> 118rt 182.90	Comments <u>Best- 1349</u>
(G) Final Shut-In <u>607</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1811</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1657.90</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1657.90</u>	

Approved By _____ Our Representative D. Kash

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. 51009

4/10

Well Name & No. Elza #1 Test No. 2 Date 10-14-12
 Company Palomino Petroleum, INC Elevation 2381 KB 2376 GL
 Address 4924 SE 84th St. Newton KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig WW#10
 Location: Sec. 12 Twp. 15s Rge. 26w Co. Gove State KS

Interval Tested 3916 - 4005 Zone Tested "k-1"
 Anchor Length 89' Drill Pipe Run 3794 Mud Wt. 9.15
 Top Packer Depth 3911 Drill Collars Run 124 Vis 43
 Bottom Packer Depth 3916 Wt. Pipe Run — WL 7.6
 Total Depth 4005 Chlorides 3200 ppm System LCM 2#
 Blow Description IF-2" blow
ISI - No blow back
FF-5" blow
FSI - No blow back

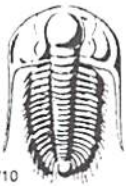
Rec	Feet of	%gas	%oil	%water	%mud
<u>64</u>	<u>GOCM</u>	<u>26</u>	<u>70</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 64 BHT 115° Gravity — API RW — @ —°F Chlorides — ppm

(A) Initial Hydrostatic <u>1935</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>7:38am</u>
(B) First Initial Flow <u>51</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:02am</u>
(C) First Final Flow <u>62</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:39am</u>
(D) Initial Shut-In <u>567</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:39am</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:15pm</u>
(F) Second Final Flow <u>75</u>	<input checked="" type="checkbox"/> Mileage <u>150 RT</u> 182.90	Comments
(G) Final Shut-In <u>454</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1918</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>1757.90</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1757.90</u>	

Approved By _____ Our Representative Cody Blair

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. 51010

Well Name & No. E/za #1 Test No. 3 Date 10-15-12
 Company Palomino Petroleum, Inc Elevation 2381 KB 2376 GL
 Address 4924 SE 84th St. Newton KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig WW #10
 Location: Sec. 12 Twp. 15s Rge. 26w Co. Gove State KS

Interval Tested 4227 - 4289 Zone Tested Miss
 Anchor Length 62' Drill Pipe Run 4108 Mud Wt. 9.3
 Top Packer Depth 4222 Drill Collars Run 124 Vis 45
 Bottom Packer Depth 4227 Wt. Pipe Run — WL 7.0
 Total Depth 4289 Chlorides 3200 ppm System LCM —
 Blow Description IF-4" blow
IST- No blow back
FF-4" blow
FSI-surface blow

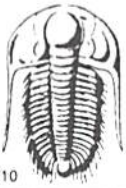
Rec	Feet of	%gas	%oil	%water	%mud
<u>169</u>	<u>GHOCM</u>	<u>5</u>	<u>35</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>77' of G.I.P.</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 169 BHT 1240 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2092</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:15pm</u>
(B) First Initial Flow <u>36</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:43pm</u>
(C) First Final Flow <u>73</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:30pm</u>
(D) Initial Shut-In <u>1166</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>5:30pm</u>
(E) Second Initial Flow <u>82</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>7:25pm</u>
(F) Second Final Flow <u>102</u>	<input checked="" type="checkbox"/> Mileage <u>150RT</u> <u>182.90</u>	Comments
(G) Final Shut-In <u>1146</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2079</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>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1757.90</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1757.90</u>	

Approved By _____ Our Representative Cody Bloodon

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. 51011

Well Name & No. Elza #1 Test No. 4 Date 10-16-12
 Company Palomino Petroleum INC Elevation 2381 KB 2376 GL
 Address 4924 St 84th St. Newton KS, 67114
 Co. Rep / Geo. Nick Gerstner Rig WW#10
 Location: Sec. 12 Twp. 15S Rge. 26W Co. Gove State KS

Interval Tested 4291 - 4299 Zone Tested Miss
 Anchor Length 8' Drill Pipe Run 4170 Mud Wt. 9.3
 Top Packer Depth 4286 Drill Collars Run 124 Vis 45
 Bottom Packer Depth 4291 Wt. Pipe Run - WL 7.0
 Total Depth 4299 Chlorides 3200 ppm System LCM -

Blow Description IF - 5" blow
ISI - surface blow back
FF - 7" blow
FSI - surface blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>HOCM</u>	<u>40</u>	<u>40</u>	<u>60</u>	
<u>60</u>	<u>60</u>	<u>60</u>	<u>40</u>		
	<u>248' of G.I.P.</u>				

Rec Total 215' BHT 1290 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic <u>2114</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:17am</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:36am</u>
(C) First Final Flow <u>57</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:28am</u>
(D) Initial Shut-In <u>1286</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>4:28am</u>
(E) Second Initial Flow <u>62</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>6:18am</u>
(F) Second Final Flow <u>75</u>	<input checked="" type="checkbox"/> Mileage <u>150RT X2 365.80</u>	Comments <u>Loaded tools 10-17-12</u>
(G) Final Shut-In <u>1270</u>	<input type="checkbox"/> Sampler	<u>@ 6:40pm</u>
(H) Final Hydrostatic <u>2113</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

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

Sub Total 1940.80

Approved By _____ Our Representative Cody Bledsoe

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