

CONSOLIDATED
Oil Well Services, LLC

RECEIVED
FEB 27 2013

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 256955

Invoice Date: 02/25/2013 Terms: 10/10/30,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

STAUDINGER #3
39462
20-16-12
02-20-2013
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	215.00	15.1000	3246.50
1118B	PREMIUM GEL / BENTONITE	739.00	.2500	184.75
1107	FLO-SEAL (25#)	53.00	2.8200	149.46

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-358.07
9995-130	CEMENT EQUIPMENT DISCOUNT	-230.79

Description	Hours	Unit Price	Total
463 SQUEEZE PUMP (KICK OFF PLUG PUMP)	1.00	1695.00	1695.00
463 EQUIPMENT MILEAGE (ONE WAY)	30.00	5.00	150.00
693 TON MILEAGE DELIVERY	1.00	462.90	462.90

Amount Due 6150.00 if paid after 03/27/2013

Parts:	3580.71	Freight:	.00	Tax:	235.25	AR	5535.00
Labor:	.00	Misc:	.00	Total:	5535.00		
Sublt:	-588.86	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914



FIELD TICKET & TREATMENT REPORT

FOREMAN *Mito Shaw*

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
2-20-13	6285	Standing # 3		20	16S	12W	Barton
CUSTOMER							
Palomina Petroleum							
MAILING ADDRESS				TRUCK # DRIVER TRUCK # DRIVER			
				463 Cory D			
				693 Tim W			
CITY STATE ZIP CODE							

JOB TYPE <u>PTA</u>	HOLE SIZE <u>7 7/8</u>	HOLE DEPTH <u>3525</u>	CASING SIZE & WEIGHT _____
CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT <u>13.8</u>	SLURRY VOL <u>1.40</u>	WATER gal/sk _____	CEMENT LEFT in CASING _____
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____
REMARKS: <u>Safety meet as and r/s upon W/W drilling #10 Plug as ordered</u>			
<u>1st plug 50SK @ 3370' Archival</u>			
<u>2nd 25SK @ 830'</u>			
<u>3rd 100SK @ 440'</u>			
<u>4th 10SK @ 40 with Wiper</u>			
<u>BH 30 SK 215 SK 60/40 per 48 gal 1/4" Hoseal</u>			

Thanks Milos & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401B	1	PUMP CHARGE	1695. ⁰⁰	1695. ⁰⁰
5406	30	MILEAGE	5. ⁰⁰	150. ⁰⁰
5407	9.24	Ton Mileage delivery	1.67	462.80
1131	215 SHS	60/40 put cement	15.10	3246.50
1118B	739 #	Benton. kgel	1.25	184.75
1107	53 #	Flo seal	2.82	149.46
			Subtotal	5888.61
			less 10% discount	588.86
			Subtotal	5299.75
			Sales Tax	235.25

Ravin 3737

AUTHORIZTION

TITLE

SALES TAX	235.25
ESTIMATED	
TOTAL	5535.00
DATE	2-20-13

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

FEB 22 2013

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 256780

Invoice Date: 02/18/2013 Terms: 10/10/30,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

STAUDINGER #3
39309
20-16-12
02-14-2013
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	260.00	17.6500	4589.00
1102	CALCIUM CHLORIDE (50#)	732.00	.8900	651.48
1118B	PREMIUM GEL / BENTONITE	488.00	.2500	122.00
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9996-130	CEMENT MATERIAL DISCOUNT	-545.85
9995-130	CEMENT EQUIPMENT DISCOUNT	-184.73

Description	Hours	Unit Price	Total
463 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
463 EQUIPMENT MILEAGE (ONE WAY)	30.00	5.00	150.00
693 TON MILEAGE DELIVERY	1.00	612.30	612.30

Amount Due 7704.26 if paid after 03/20/2013

Parts:	5458.48	Freight:	.00	Tax:	358.63	AR	6933.83
Labor:	.00	Misc:	.00	Total:	6933.83		
Sublt:	-730.58	Supplies:	.00	Change:	.00		

Signed _____ Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

OAKLEY, KS
785/672-2227

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT CEMENT

TICKET NUMBER 39309

LOCATION Oaklands

FOREMAN Walt Dinkel

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY
2-14-13	6285	Staudinger #3		20	16S	12W	Barton
CUSTOMER Palomino Petroleum		Beverly 1W 1N 1/4E S1S		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Tim Wareham		
CITY				693	Jordan Lowder		
STATE							
ZIP CODE							
JOB TYPE Surface		HOLE SIZE 12 1/4					

JOB TYPE <u>Surface -</u>	HOLE SIZE <u>12 1/4</u>	HOLE DEPTH <u>385'</u>	CASING SIZE & WEIGHT <u>8 7/8 - 23 #</u>
CASING DEPTH <u>385'</u>	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT <u>15.2</u>	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING <u>15' + 20'</u>
DISPLACEMENT <u>23 1/4</u>	DISPLACEMENT PSI _____	MIX PSI _____	RATE <u>5 BPM</u>
REMARKS _____			

REMARKS: Safety Mooring, rig up on W-W #10, circ on bottom
mix 260SKs com, 3%acc-3%alcl, release Plug, Displace 2 3/4 BBL H₂O
shut in

Cement D'd Circ

Thank You
Walt & Crew

[illegible]

Ravin 3737

SALES TAX	358.63
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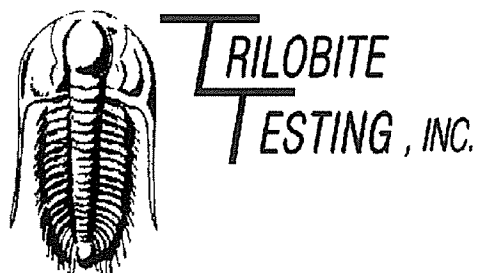
ESTIMATED TOTAL	1093383
-----------------	---------

DATE 2-14-13

AUTHORIZZTION

TITLE for Duke

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Staudinger #3

20-16s-12w Barton,KS

Start Date: 2013.02.17 @ 10:20:15

End Date: 2013.02.17 @ 14:33:15

Job Ticket #: 50350 DST #: 1

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

Printed: 2013.02.27 @ 11:38:16

Palomino Petroleum, Inc.

20-16s-12w Barton,KS

Staudinger #3

DST # 1

Toronto

2013.02.17



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

20-16s-12w Barton, KS

Staudinger #3

Job Ticket: 50350

DST#: 1

Test Start: 2013.02.17 @ 10:20:15

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:48:25

Time Test Ended: 14:33:15

Interval: **2989.00 ft (KB) To 3040.00 ft (KB) (TVD)**

Total Depth: 3040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press@RunDepth: 23.44 psig @ 3027.00 ft (KB)

Start Date: 2013.02.17

End Date:

2013.02.17

Start Time: 10:30:15

End Time:

14:33:15

Capacity: 8000.00 psig

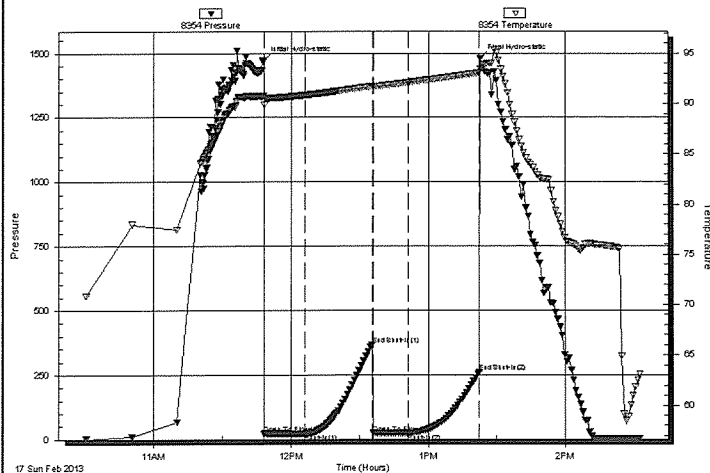
Last Calib.: 2013.02.17

Time On Btm: 2013.02.17 @ 11:48:15

Time Off Btm: 2013.02.17 @ 13:22:45

TEST COMMENT: IF-Very weak surface blow throughout.
ISI-No Return.
FF-Very weak surface blow throughout.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

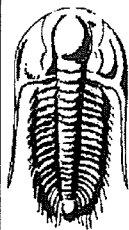
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1472.81	90.76	Initial Hydro-static
1	22.62	89.92	Open To Flow (1)
18	22.41	90.85	Shut-In(1)
47	366.38	91.74	End Shut-In(1)
48	23.30	91.69	Open To Flow (2)
63	23.44	92.12	Shut-In(2)
94	261.43	93.07	End Shut-In(2)
95	1479.81	93.48	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

20-16s-12w Barton, KS

Staudinger #3

Job Ticket: 50350

DST#: 1

Test Start: 2013.02.17 @ 10:20:15

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:48:25

Time Test Ended: 14:33:15

Interval: **2989.00 ft (KB) To 3040.00 ft (KB) (TVD)**

Total Depth: 3040.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press@RunDepth: psig @ 3027.00 ft (KB)

Start Date: 2013.02.17

End Date:

2013.02.17

Start Time: 10:30:30

End Time:

14:33:00

Capacity: 8000.00 psig

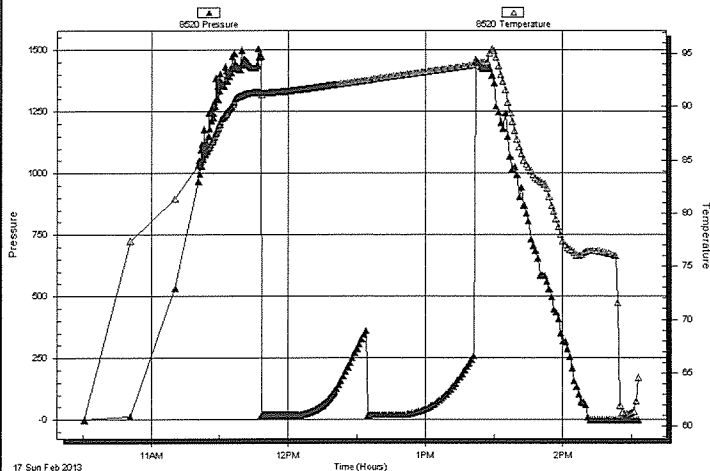
Last Calib.: 2013.02.17

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Very weak surface blow throughout.
ISI-No Return.
FF-Very weak surface blow throughout.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

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

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

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
Newton, KS 67114

Staudinger #3

Job Ticket: 50350

DST#: 1

ATTN: Nick Gerstner

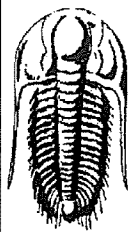
Test Start: 2013.02.17 @ 10:20:15

Tool Information

Drill Pipe:	Length: 2871.00 ft	Diameter: 3.80 inches	Volume: 40.27 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	5000.00 lb
		Total Volume:	40.87 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	2989.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	51.00 ft				
Tool Length:	79.00 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			2962.00	
Shut In Tool	5.00			2967.00	
Hydraulic tool	5.00			2972.00	
Jars	5.00			2977.00	
Safety Joint	3.00			2980.00	
Packer	5.00			2985.00	28.00 Bottom Of Top Packer
Packer	4.00			2989.00	
Stubb	1.00			2990.00	
Perforations	3.00			2993.00	
Change Over Sub	1.00			2994.00	
Drill Pipe	32.00			3026.00	
Change Over Sub	1.00			3027.00	
Recorder	0.00	8354	Inside	3027.00	
Recorder	0.00	8520	Outside	3027.00	
Perforations	10.00			3037.00	
Bullnose	3.00			3040.00	51.00 Bottom Packers & Anchor
Total Tool Length:		79.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
Newton, KS 67114

Staudinger #3

Job Ticket: 50350

DST#: 1

ATTN: Nick Gerstner

Test Start: 2013.02.17 @ 10:20:15

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: 85.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

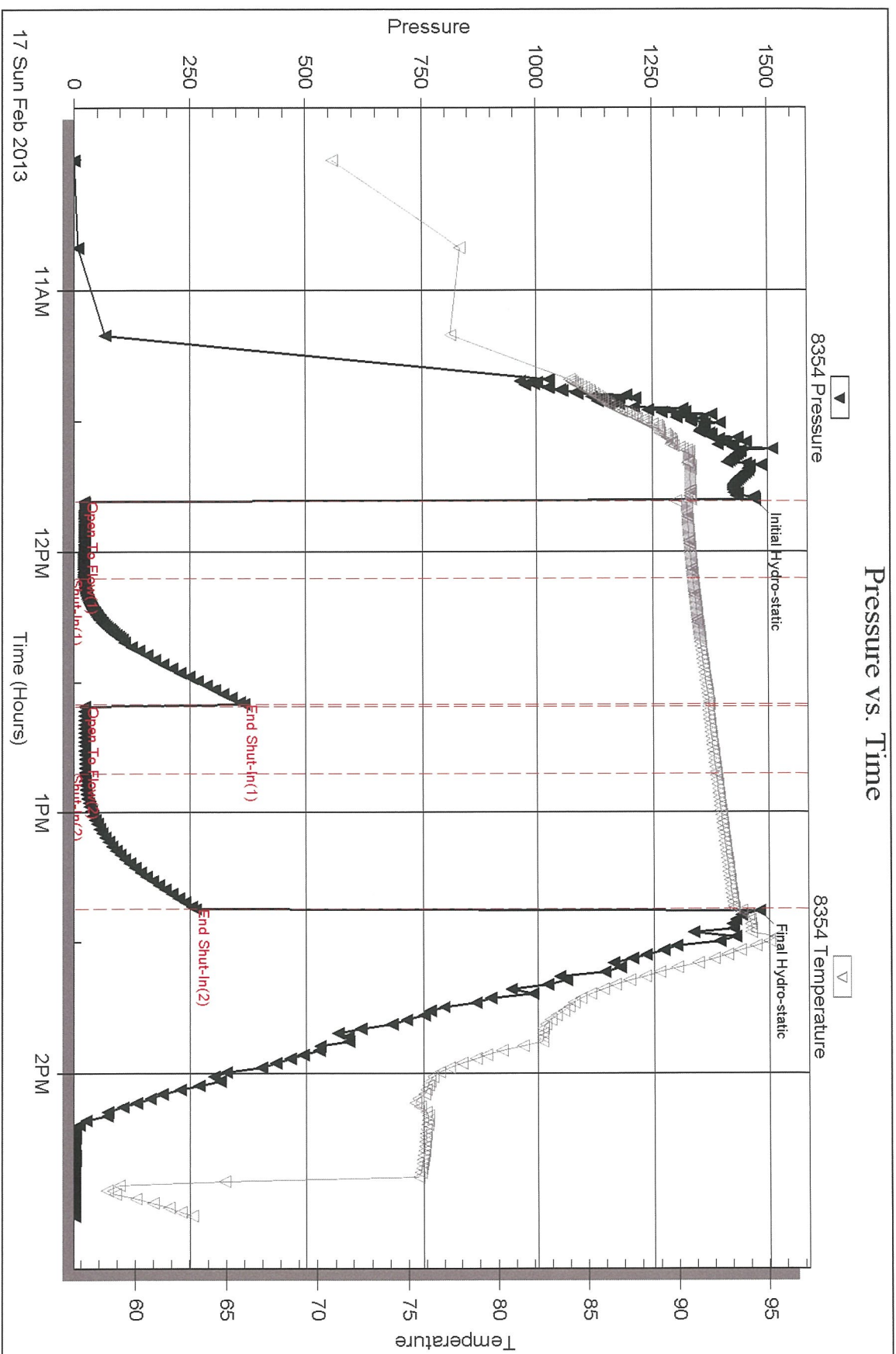
Laboratory Location:

Recovery Comments:

Serial #: 8354 Inside Palomino Petroleum, Inc.

Staudinger #3

DST Test Number: 1

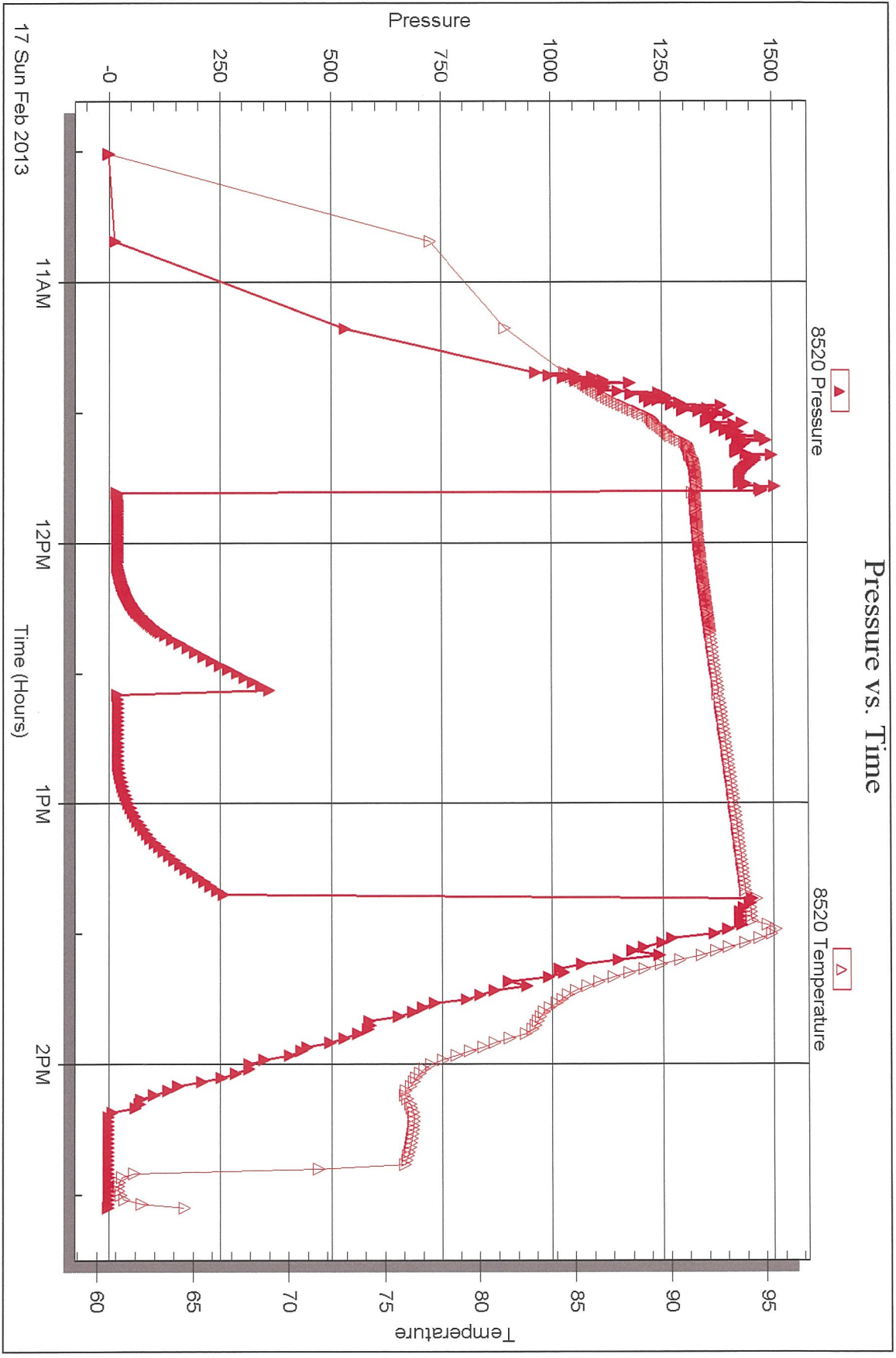


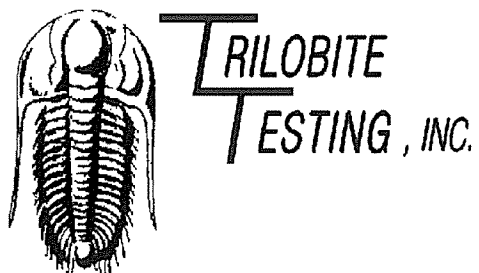
Serial #: 8520

Outside Palomino Petroleum, Inc.

Staudinger #3

DST Test Number: 1





DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Staudinger #3

20-16s-12w Barton,KS

Start Date: 2013.02.18 @ 00:51:15

End Date: 2013.02.18 @ 06:37:15

Job Ticket #: 51676 DST #: 2

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

Printed: 2013.02.27 @ 11:37:40

Palomino Petroleum, Inc. 20-16s-12w Barton,KS Staudinger #3 DST # 2 LKC "A-F" 2013.02.18



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

20-16s-12w Barton,KS

Staudinger #3

Job Ticket: 51676

DST#: 2

Test Start: 2013.02.18 @ 00:51:15

GENERAL INFORMATION:

Formation: **LKC "A-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:33:05

Time Test Ended: 06:37:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: **3098.00 ft (KB) To 3172.00 ft (KB) (TVD)**

Total Depth: 3172.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press@RunDepth: 33.32 psig @ 3138.00 ft (KB)

Start Date: 2013.02.18

End Date:

2013.02.18

Start Time: 01:01:15

End Time:

06:37:15

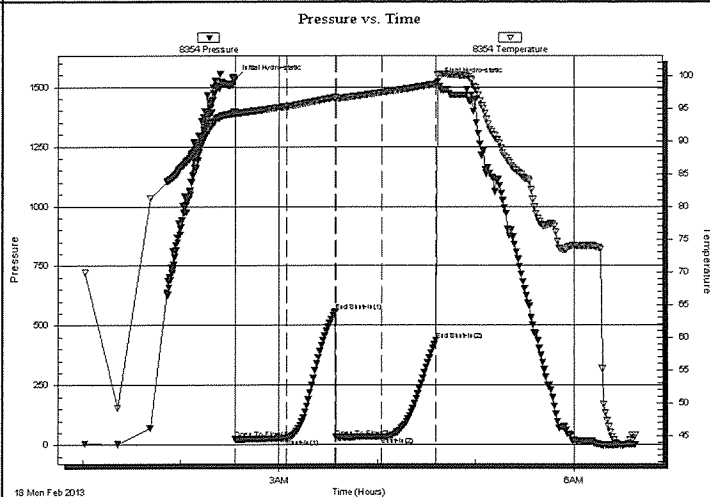
Capacity: 8000.00 psig

Last Calib.: 2013.02.18

Time On Btm: 2013.02.18 @ 02:32:55

Time Off Btm: 2013.02.18 @ 04:36:45

TEST COMMENT: IF-Very weak surface blow . Built to 1/2 inch.
ISI-No Return.
FF-Very weak surface blow . Died @ 8 minutes.
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1536.38	94.48	Initial Hydro-static
1	24.41	93.86	Open To Flow (1)
32	27.19	95.24	Shut-In(1)
62	559.07	96.63	End Shut-In(1)
62	31.84	96.51	Open To Flow (2)
90	33.32	97.39	Shut-In(2)
123	436.62	98.68	End Shut-In(2)
124	1523.79	100.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%Mud	0.07

Gas Rates

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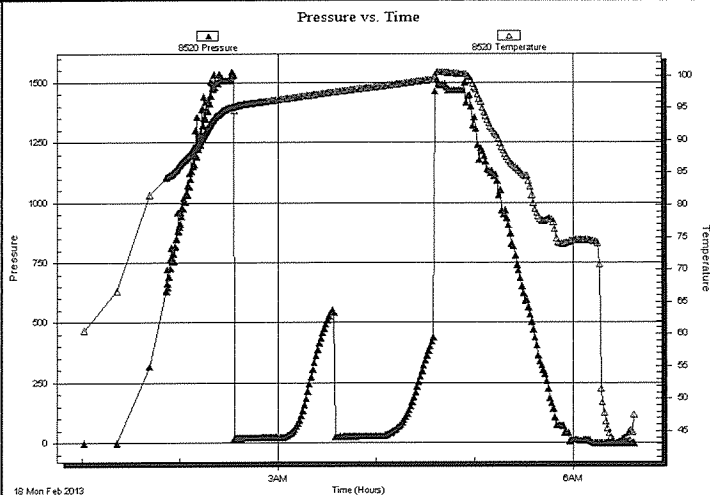


Test Start: 2013.02.18 @ 00:51:15

KB to GR/CF: 5.00 ft

Time Off Btm:

TEST COMMENT: IF-Very weak surface blow . Built to 1/2 inch.
ISI-No Return.
FF-Very weak surface blow . Died @ 8 minutes.
FSI-No Return.



Annotation

Length (ft)	Description	Volume (bbl)
15.00	100%Mud	0.07

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
Newton, KS 67114

Staudinger #3

Job Ticket: 51676

DST#: 2

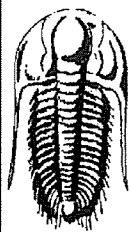
ATTN: Nick Gerstner

Test Start: 2013.02.18 @ 00:51:15

Tool Information

Drill Pipe:	Length: 2971.00 ft	Diameter: 3.80 inches	Volume: 41.68 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.80 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 5000.00 lb
		Total Volume: 42.28 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3098.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	102.00 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			3071.00	
Shut In Tool	5.00			3076.00	
Hydraulic tool	5.00			3081.00	
Jars	5.00			3086.00	
Safety Joint	3.00			3089.00	
Packer	5.00			3094.00	28.00 Bottom Of Top Packer
Packer	4.00			3098.00	
Stubb	1.00			3099.00	
Perforations	5.00			3104.00	
Change Over Sub	1.00			3105.00	
Drill Pipe	32.00			3137.00	
Change Over Sub	1.00			3138.00	
Recorder	0.00	8354	Inside	3138.00	
Recorder	0.00	8520	Outside	3138.00	
Perforations	31.00			3169.00	
Bullnose	3.00			3172.00	74.00 Bottom Packers & Anchor
Total Tool Length:	102.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
Newton, KS 67114

Staudinger #3

Job Ticket: 51676

DST#: 2

ATTN: Nick Gerstner

Test Start: 2013.02.18 @ 00:51:15

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: 85.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%Mud	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

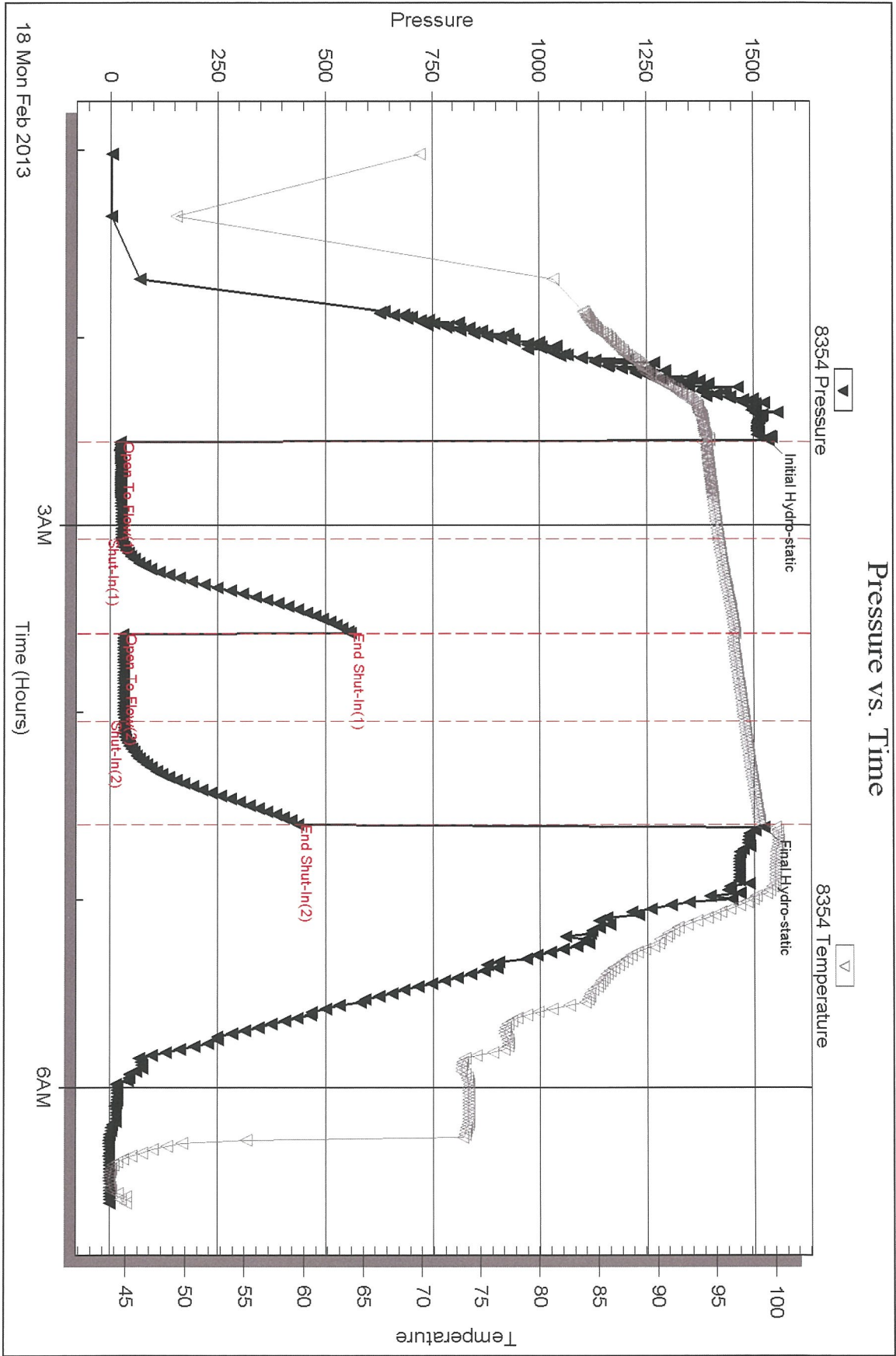
Serial #: 8354

Inside

Palomino Petroleum, Inc.

Staudinger #3

DST Test Number: 2

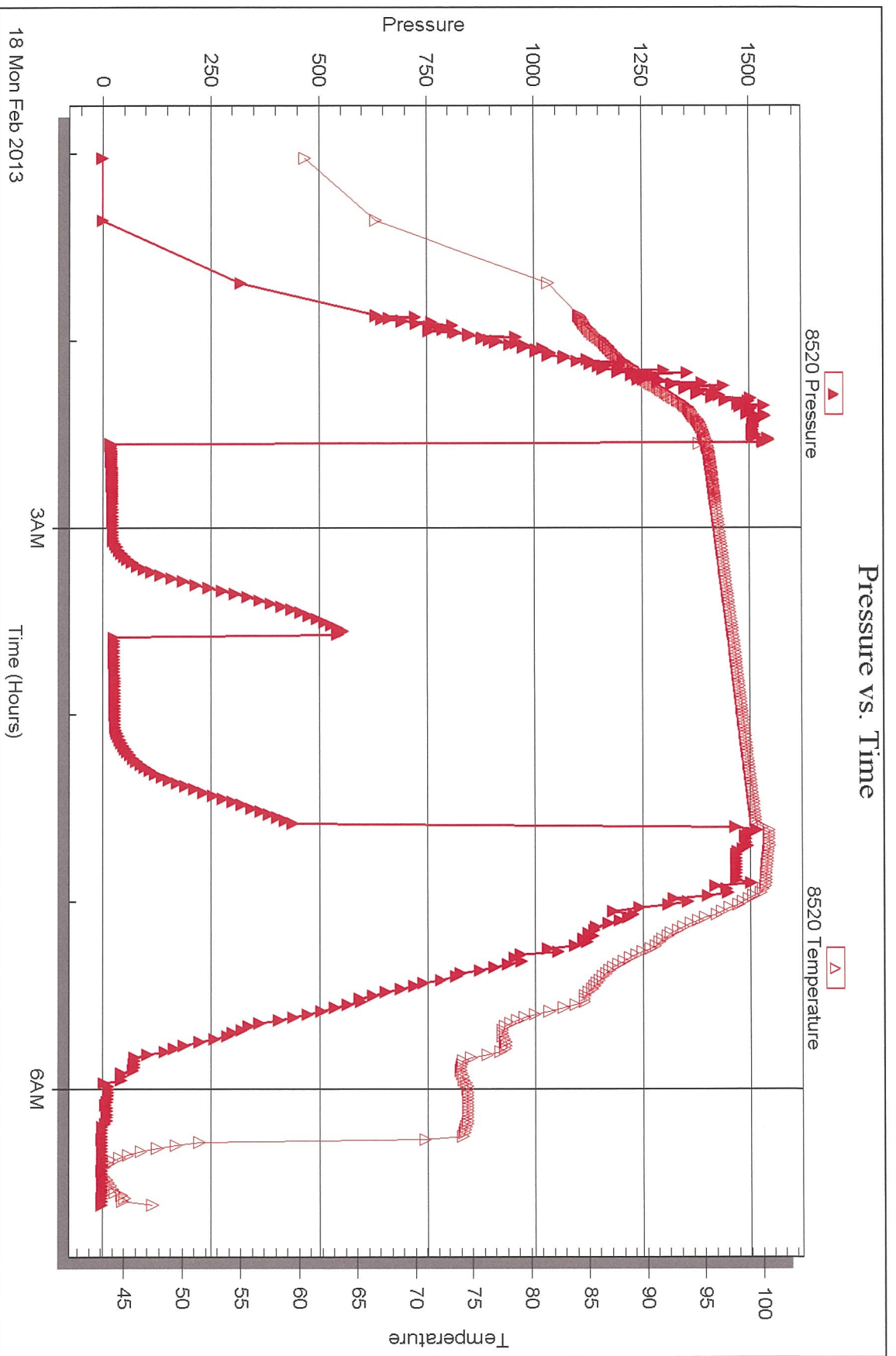


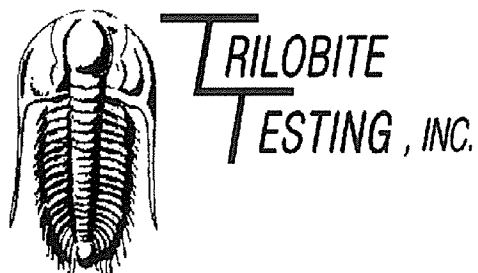
Serial #: 8520

Outside Palomino Petroleum, Inc.

Saudinger #3

DST Test Number: 2





DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Staudinger #3

20-16s-12w Barton,KS

Start Date: 2013.02.18 @ 17:49:15

End Date: 2013.02.18 @ 22:07:15

Job Ticket #: 51677 DST #: 3

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

Printed: 2013.02.27 @ 11:37:01

Palomino Petroleum, Inc. 20-16s-12w Barton,KS Staudinger #3 DST # 3 LKC "H-L" 2013.02.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

20-16s-12w Barton, KS

Staudinger #3

Job Ticket: 51677

DST#: 3

Test Start: 2013.02.18 @ 17:49:15

GENERAL INFORMATION:

Formation: **LKC "H-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:03:15

Time Test Ended: 22:07:15

Interval: **3208.00 ft (KB) To 3335.00 ft (KB) (TVD)**

Total Depth: 3335.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354 Inside

Press@RunDepth: 39.50 psig @ 3310.00 ft (KB)

Start Date: 2013.02.18

End Date: 2013.02.18

Start Time: 17:59:15

End Time: 22:07:15

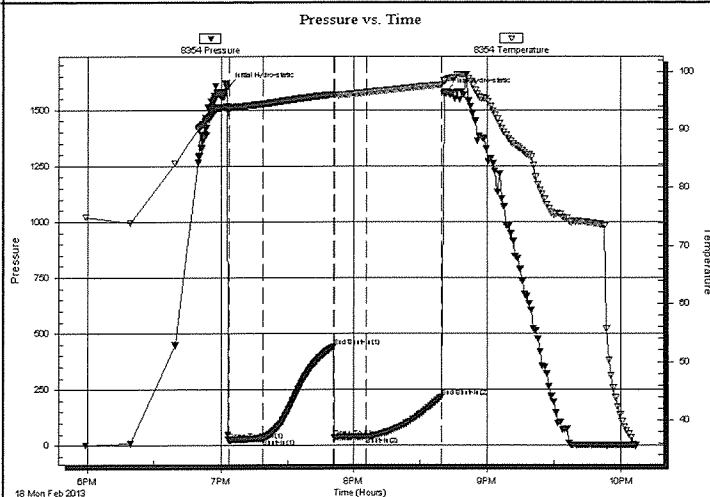
Capacity: 8000.00 psig

Last Calib.: 2013.02.18

Time On Btm: 2013.02.18 @ 19:02:55

Time Off Btm: 2013.02.18 @ 20:41:15

TEST COMMENT: IF-Very weak building blow . Built to 3/4 inch.
ISI-No Return.
FF-Very weak surface blow .
FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.84	94.04	Initial Hydro-static
1	25.27	93.65	Open To Flow (1)
16	33.41	94.38	Shut-In(1)
48	440.71	96.00	End Shut-In(1)
49	36.85	95.91	Open To Flow (2)
63	39.50	96.36	Shut-In(2)
97	218.13	97.68	End Shut-In(2)
99	1580.23	98.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%Mud	0.07
5.00	5%Oil/95%Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

20-16s-12w Barton,KS

4924 SE 84th St.
New ton, KS 67114

Staudinger #3

Job Ticket: 51677

DST#: 3

ATTN: Nick Gerstner

Test Start: 2013.02.18 @ 17:49:15

GENERAL INFORMATION:

Formation: LKC "H-L"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:03:15

Time Test Ended: 22:07:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3208.00 ft (KB) To 3335.00 ft (KB) (TVD)

Total Depth: 3335.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8520 **Outside**

Press@RunDepth: psig @ 3310.00 ft (KB)

Start Date: 2013.02.18

End Date:

2013.02.18

Start Time: 17:59:30

End Time:

22:06:30

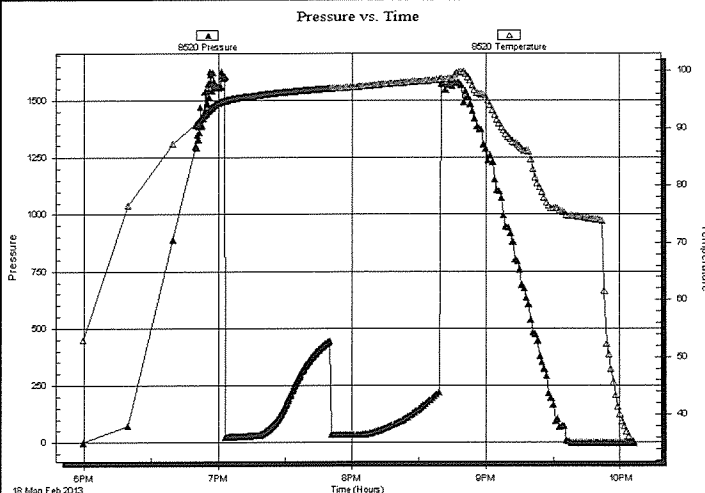
Capacity: 8000.00 psig

013.02.18

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Very weak building blow . Built to 3/4 inch.
ISI-No Return.
FF-Very weak surface blow .
FSI-No Return.



PRESSURE SUMMARY

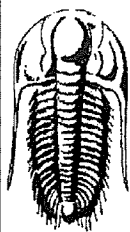
[illegible]

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%Mud	0.07
5.00	5%Oil/95%Mud	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
Newton, KS 67114

Staudinger #3

Job Ticket: 51677

DST#: 3

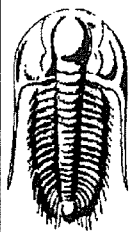
ATTN: Nick Gerstner

Test Start: 2013.02.18 @ 17:49:15

Tool Information

Drill Pipe:	Length: 3063.00 ft	Diameter: 3.80 inches	Volume: 42.97 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	30000.00 lb
			<u>Total Volume: 43.57 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3208.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	127.00 ft				
Tool Length:	155.00 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			3181.00	
Shut In Tool	5.00			3186.00	
Hydraulic tool	5.00			3191.00	
Jars	5.00			3196.00	
Safety Joint	3.00			3199.00	
Packer	5.00			3204.00	28.00 Bottom Of Top Packer
Packer	4.00			3208.00	
Stubb	1.00			3209.00	
Perforations	5.00			3214.00	
Change Over Sub	1.00			3215.00	
Drill Pipe	94.00			3309.00	
Change Over Sub	1.00			3310.00	
Recorder	0.00	8354	Inside	3310.00	
Recorder	0.00	8520	Outside	3310.00	
Perforations	22.00			3332.00	
Bullnose	3.00			3335.00	127.00 Bottom Packers & Anchor
Total Tool Length:	155.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
New ton, KS 67114

Staudinger #3

Job Ticket: 51677

DST#: 3

ATTN: Nick Gerstner

Test Start: 2013.02.18 @ 17:49:15

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: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	100%Mud	0.074
5.00	5%Oil/95%Mud	0.025

Total Length: 20.00 ft

Total Volume: 0.099 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

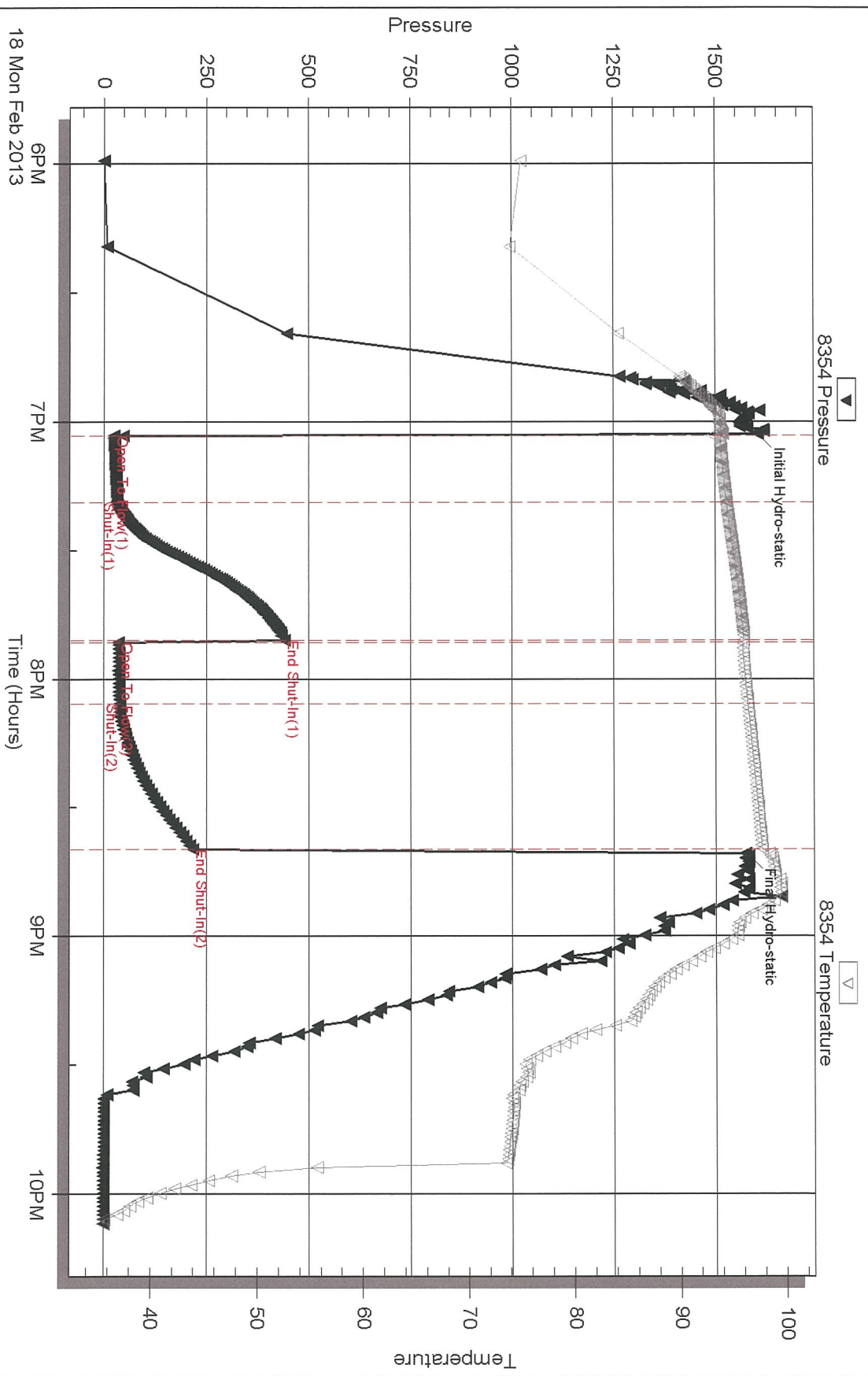
Inside

Palomino Petroleum, Inc.

Staudinger #3

DST Test Number: 3

Pressure vs. Time

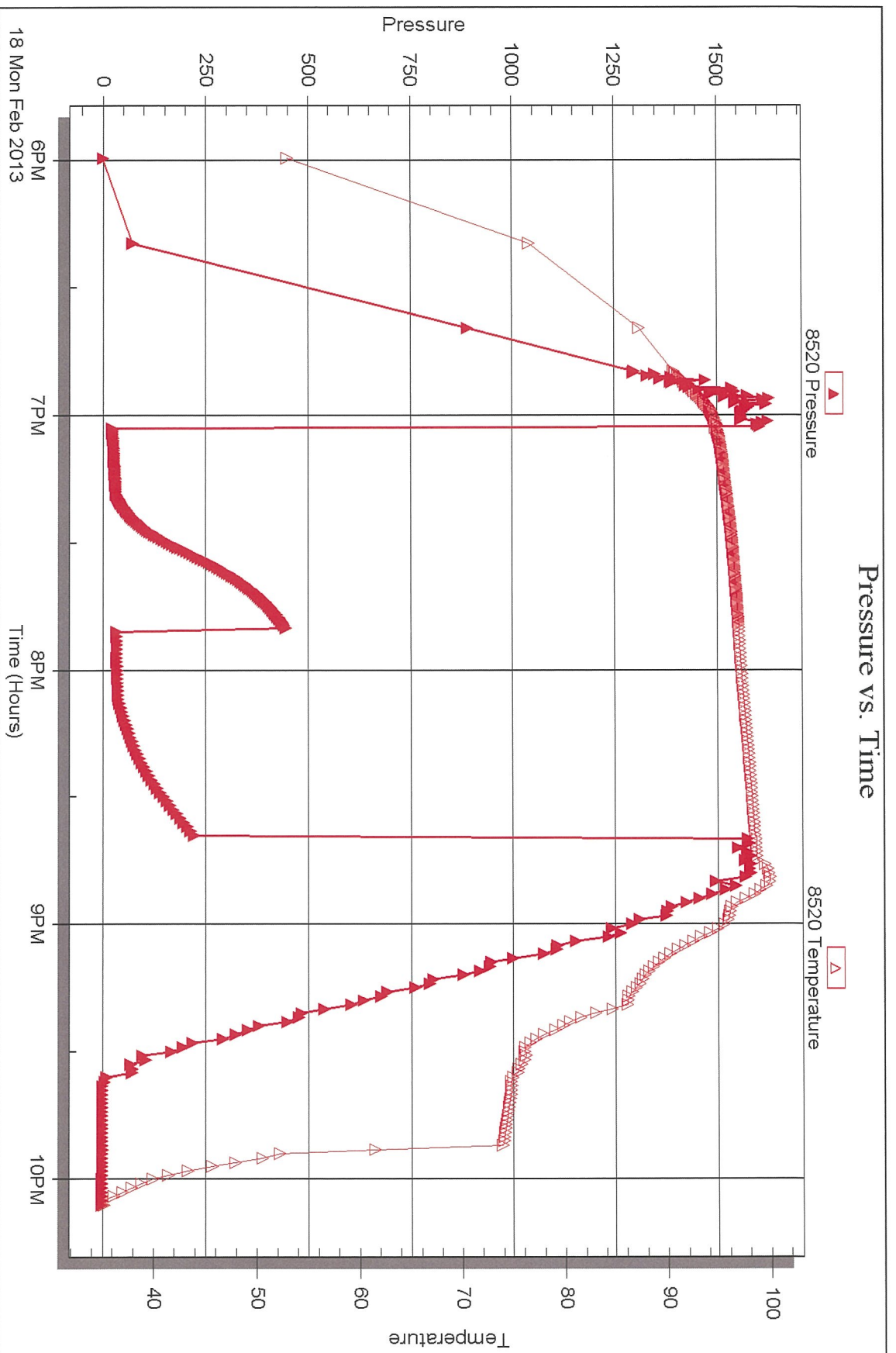


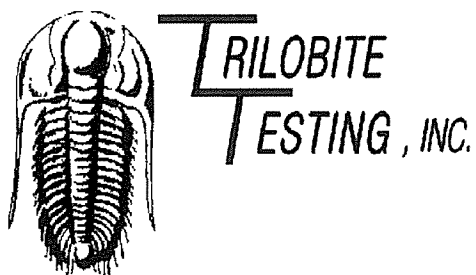
Serial #: 8520

Outside Palomino Petroleum, Inc.

Slaudinger #3

DST Test Number: 3





DRILL STEM TEST REPORT

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

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

Staudinger #3

20-16s-12w Barton,KS

Start Date: 2013.02.19 @ 06:36:30

End Date: 2013.02.19 @ 11:40:00

Job Ticket #: 51678 DST #: 4

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

Printed: 2013.02.27 @ 11:36:08



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
Newton, KS 67114

ATTN: Nick Gerstner

20-16s-12w Barton, KS

Staudinger #3

Job Ticket: 51678

DST#: 4

Test Start: 2013.02.19 @ 06:36:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:58:00

Time Test Ended: 11:40:00

Interval: **3312.00 ft (KB) To 3372.00 ft (KB) (TVD)**

Total Depth: 3372.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8354

Inside

Press@RunDepth: 366.78 psig @ 3351.00 ft (KB)

Start Date: 2013.02.19

End Date:

2013.02.19

Start Time: 06:46:30

End Time:

11:40:00

Capacity: 8000.00 psig

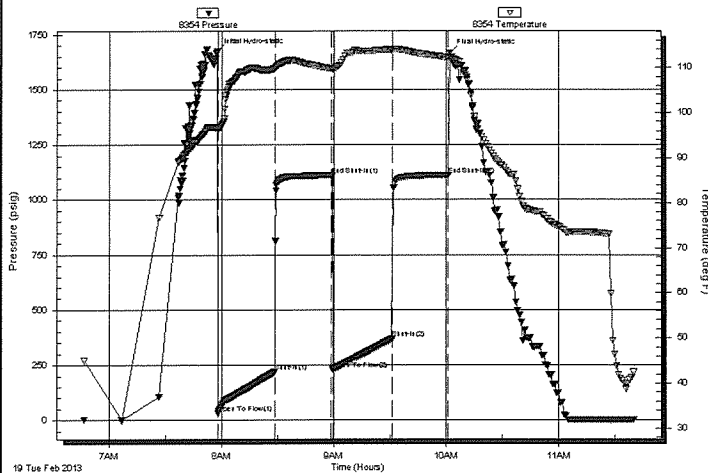
Last Calib.: 2013.02.19

Time On Btm: 2013.02.19 @ 07:57:40

Time Off Btm: 2013.02.19 @ 10:02:00

TEST COMMENT: IF-Strong building blow . BOB @ 8 minutes.
ISI-No Return.
FF-Strong building blow . BOB @ 8 minutes.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.48	96.78	Initial Hydro-static
1	33.64	96.34	Open To Flow (1)
31	221.79	109.78	Shut-In (1)
61	1110.99	109.77	End Shut-In (1)
62	228.98	109.56	Open To Flow (2)
94	366.78	114.02	Shut-In (2)
124	1111.64	112.23	End Shut-In (2)
125	1664.92	112.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
312.00	80%Water/20%Mud	3.26
315.00	60%Water/40%Mud	4.42
156.00	15%Water/85%Mud	2.19

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

20-16s-12w Barton,KS

4924 SE 84th St.
New ton, KS 67114

Staudinger #3

Job Ticket: 51678

DST#: 4

ATTN: Nick Gerstner

Test Start: 2013.02.19 @ 06:36:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:58:00

Time Test Ended: 11:40:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3312.00 ft (KB) To 3372.00 ft (KB) (TVD)

Total Depth: 3372.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Reference Elevations: 1888.00 ft (KB)

1883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8520 Outside

Press@RunDepth: psig @ 3351.00 ft (KB)

Start Date: 2013.02.19

End Date:

2013.02.19

Start Time: 06:46:45

End Time:

11:39:15

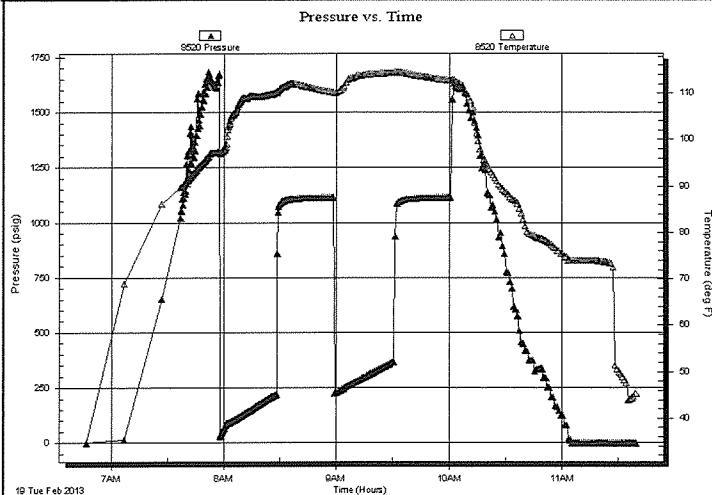
Capacity: 8000.00 psig

Last Calib.: 2013.02.19

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB @ 8 minutes.
ISI-No Return.
FF-Strong building blow . BOB @ 8 minutes.
FSI-No Return.



PRESSURE SUMMARY

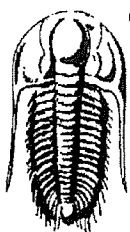
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
312.00	80%Water/20%Mud	3.26
315.00	60%Water/40%Mud	4.42
156.00	15%Water/85%Mud	2.19

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
New ton, KS 67114

Staudinger #3

Job Ticket: 51678

DST#: 4

ATTN: Nick Gerstner

Test Start: 2013.02.19 @ 06:36:30

Tool Information

Drill Pipe:	Length: 3189.00 ft	Diameter: 3.80 inches	Volume: 44.73 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	5000.00 lb
		Total Volume:	45.33 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3312.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	60.00 ft				
Tool Length:	88.00 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			3285.00	
Shut In Tool	5.00			3290.00	
Hydraulic tool	5.00			3295.00	
Jars	5.00			3300.00	
Safety Joint	3.00			3303.00	
Packer	5.00			3308.00	28.00 Bottom Of Top Packer
Packer	4.00			3312.00	
Stubb	1.00			3313.00	
Perforations	5.00			3318.00	
Change Over Sub	1.00			3319.00	
Drill Pipe	31.00			3350.00	
Change Over Sub	1.00			3351.00	
Recorder	0.00	8354	Inside	3351.00	
Recorder	0.00	8520	Outside	3351.00	
Perforations	18.00			3369.00	
Bullnose	3.00			3372.00	60.00 Bottom Packers & Anchor
Total Tool Length:		88.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

20-16s-12w Barton, KS

4924 SE 84th St.
New ton, KS 67114

Staudinger #3

Job Ticket: 51678

DST#: 4

ATTN: Nick Gerstner

Test Start: 2013.02.19 @ 06:36:30

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:

9500 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 1.15 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
312.00	80%Water/20%Mud	3.256
315.00	60%Water/40%Mud	4.419
156.00	15%Water/85%Mud	2.188

Total Length: 783.00 ft

Total Volume: 9.863 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

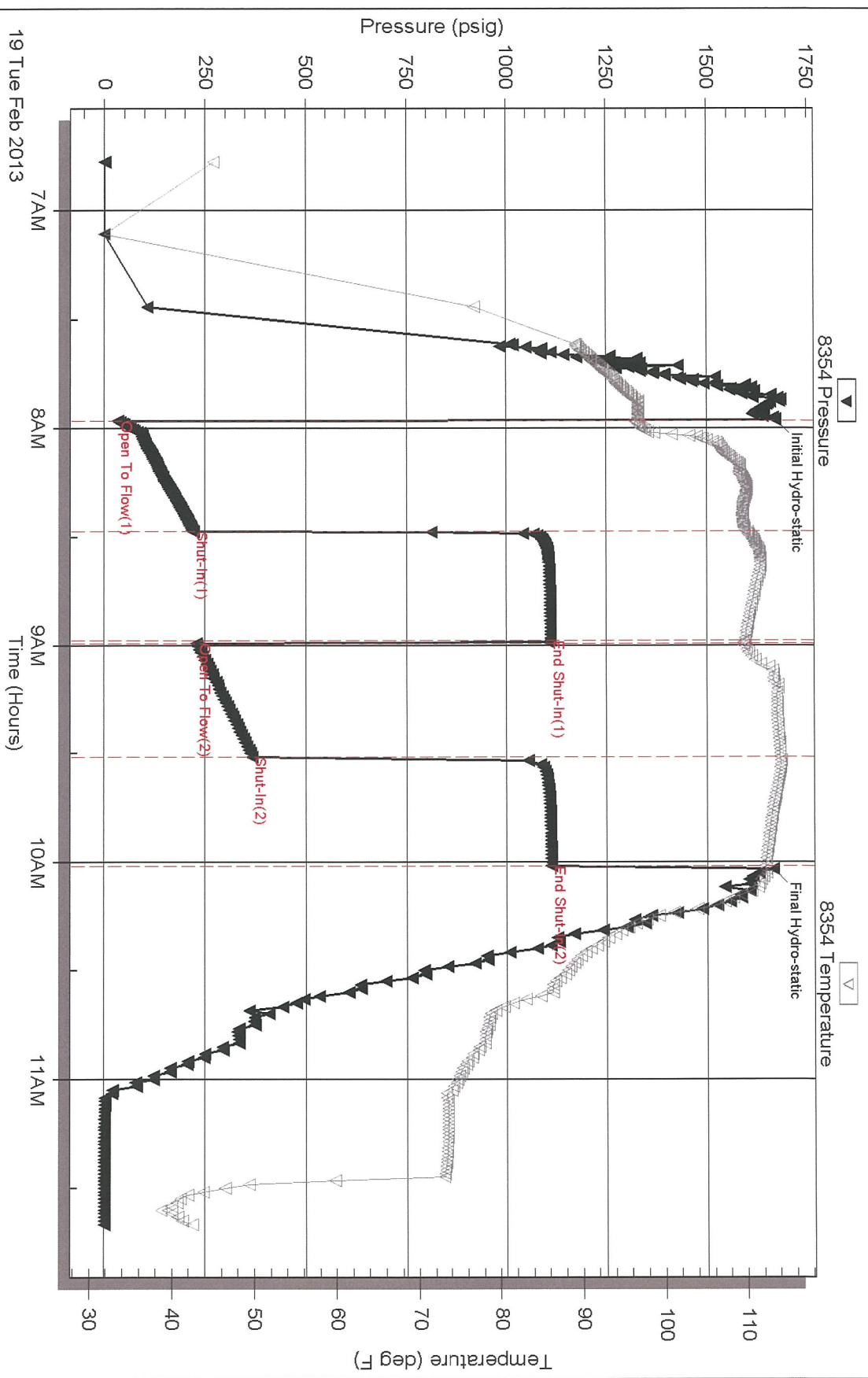
Inside

Palomino Petroleum, Inc.

Staudinger #3

DST Test Number: 4

Pressure vs. Time



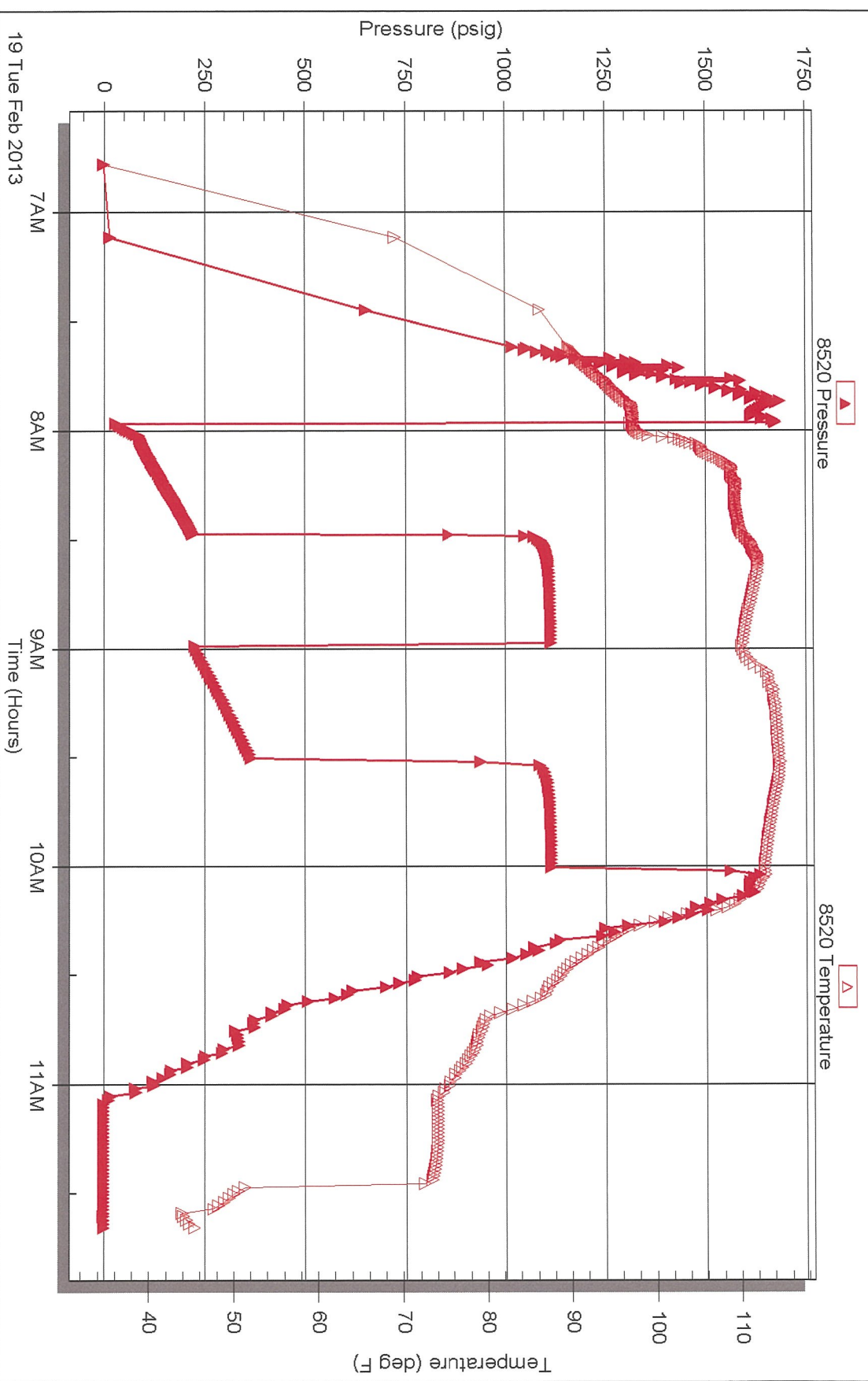
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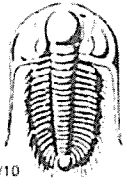
Outside Palomino Petroleum, Inc.

Staudinger #3

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50350

Well Name & No. Staudinger #3 Test No. 1 Date 2-17-13
 Company Palomino Petroleum, Inc. Elevation 1888 KB 1883 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Nick Gerner Rig WW #10
 Location: Sec. 20 Twp. 16S Rge. 12W Co. Barton State KS

Interval Tested 2989-3040 Zone Tested Tonto
 Anchor Length 51' Drill Pipe Run 2871 Mud Wt. 8.7
 Top Packer Depth 2984 Drill Collars Run 122.78 Vis 85
 Bottom Packer Depth 2989 Wt. Pipe Run 0 WL 6.8
 Total Depth 3040 Chlorides 3800 ppm System LCM 3#

Blow Description IF - Very weak surface blow throughout.

FST - No Return.

FF - Very weak surface blow throughout.

FST - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud</u>			<u>100</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 5 BHT 93 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1473
 (B) First Initial Flow 23
 (C) First Final Flow 22
 (D) Initial Shut-In 366
 (E) Second Initial Flow 23
 (F) Second Final Flow 23
 (G) Final Shut-In 261
 (H) Final Hydrostatic 1480

☒ Test 1150
☒ Jars 250
☒ Safety Joint 75
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 51X2 158.10

T-On Location 0800
 T-Started 1030
 T-Open 1149
 T-Pulled 1320
 T-Out 1430
 Comments Bart-1020

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30

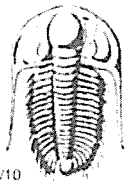
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1633.10

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1633.10

Approved By _____

Our Representative _____

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. 51676

Well Name & No.	Standinger #3	Test No.	2	Date	2-17-13
Company	Palomino Petroleum, Inc.	Elevation	1888	KB	1883 GL
Address	4924 SE 84th St. Newton, KS 67114				
Co. Rep / Geo.	Nick Gerstel	Rig	WW #10		
Location: Sec.	20	Twp.	16S	Rge.	12W
Co.	Belton	State	KS		

Interval Tested	3098-3172	Zone Tested	LKC "A-F"		
Anchor Length	74'	Drill Pipe Run	2971	Mud Wt.	8.7
Top Packer Depth	3093	Drill Collars Run	122.78	Vis	85
Bottom Packer Depth	3098	Wt. Pipe Run	0	WL	6.8
Total Depth	3172	Chlorides	3800	ppm System	LCM 3*

Blow Description IF- Very weak surface blow. Built to 1/2 inch.
ISI- No Return.
FF- Very weak surface blow. Died @ 8 minutes.
FSI- No Return.

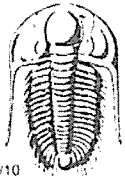
Rec	15	Feet of	Mud	%gas	%oil	%water	100	%mud
Rec		Feet of		%gas	%oil	%water		%mud
Rec		Feet of		%gas	%oil	%water		%mud
Rec		Feet of		%gas	%oil	%water		%mud
Rec		Feet of		%gas	%oil	%water		%mud

Rec Total 15 BHT 100 Gravity API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic	1536	☒ Test	1150	T-On Location	2315
(B) First Initial Flow	24	☒ Jars	250	T-Started	0100
(C) First Final Flow	27	☒ Safety Joint	75	T-Open	0233
(D) Initial Shut-In	559	☐ Circ Sub		T-Pulled	0435
(E) Second Initial Flow	32	☐ Hourly Standby		T-Out	0645
(F) Second Final Flow	33	☒ Mileage	51XZ 158.10	Comments	BATT-0057
(G) Final Shut-In	437	☐ Sampler			
(H) Final Hydrostatic	1524	☐ Straddle			

Initial Open	30	☐ Shale Packer		☐ Ruined Shale Packer	
Initial Shut-In	30	☐ Extra Packer		☐ Ruined Packer	
Final Flow	30	☐ Extra Recorder		☐ Extra Copies	
Final Shut-In	30	☐ Day Standby		Sub Total	0
		☐ Accessibility		Total	1633.10
		Sub Total	1633.10	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 of 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. 51677

Well Name & No. Strandinger #3 Test No. 3 Date 2-18-13
 Company Palomino Petroleum, Inc. Elevation 1888 KB 1883 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Nick Geisner Rig WW #10
 Location: Sec. 20 Twp. 16S Rge. 12W Co. Barton State KS

Interval Tested 3208-3335 Zone Tested LKC "H-L"
 Anchor Length 127' Drill Pipe Run 3063 Mud Wt. 9.15
 Top Packer Depth 3203 Drill Collars Run 122.78 Vis 52
 Bottom Packer Depth 3208 Wt. Pipe Run 0 WL 8.0
 Total Depth 3335 Chlorides 7100 ppm System LCM 2#

Blow Description FF - Very weak building blow. Built to 3/4 inch.
FF - No Return.
FF - Very weak surface blow.
FF - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>150 CM</u>	<u>5</u>		<u>95</u>	
<u>15</u>				<u>100</u>	

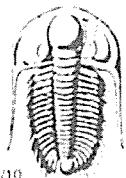
Rec Total 20 BHT 99 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1605</u>	☒ Test <u>1150</u>	T-On Location <u>1700</u>
(B) First Initial Flow <u>25</u>	☒ Jars <u>250</u>	T-Started <u>1800</u>
(C) First Final Flow <u>33</u>	☒ Safety Joint <u>75</u>	T-Open <u>1903</u>
(D) Initial Shut-In <u>441</u>	☐ Circ Sub _____	T-Pulled <u>2035</u>
(E) Second Initial Flow <u>37</u>	☐ Hourly Standby _____	T-Out <u>2200</u>
(F) Second Final Flow <u>40</u>	☒ Mileage <u>57X2</u> 158.10	Comments <u>BHT-1149</u>
(G) Final Shut-In <u>218</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1580</u>	☐ Straddle _____	☐ Ruined Shale Packer _____
	☐ Shale Packer _____	☐ Ruined Packer _____
	☐ Extra Packer _____	☐ Extra Copies _____
	☐ Extra Recorder _____	Sub Total <u>0</u>
	☐ Day Standby _____	Total <u>1633.10</u>
	☐ Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1633.10</u>	

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30

Approved By _____ Our Representative D. Rash

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**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51678

Well Name & No. Strandinger #3 Test No. 4 Date 2-19-13
 Company Palomino Petroleum, Inc. Elevation 1888 KB 1883 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Nick Geisner Rig WW #10
 Location: Sec. 20 Twp. 16S Rge. 12W Co. Barton State KS

Interval Tested 3312-3372 Zone Tested Arbuckle
 Anchor Length 60' Drill Pipe Run 3189 Mud Wt. 9.15
 Top Packer Depth 3307 Drill Collars Run 122.78 Vis 52
 Bottom Packer Depth 3312 Wt. Pipe Run 0 WL 8.0
 Total Depth 3372 Chlorides 7100 ppm System LCM 2#

Blow Description IF- Strong building blow. BOB @ 8 minutes.
IST- No Return.
FF- Strong building blow. BOB @ 8 minutes.
FST- No Return.

Rec <u>156</u>	Feet of <u>Watery Mud</u>	%gas	%oil	<u>15</u> %water	<u>85</u> %mud
Rec <u>315</u>	Feet of <u>Muddy Water</u>	%gas	%oil	<u>60</u> %water	<u>40</u> %mud
Rec <u>312</u>	Feet of <u>Muddy Water</u>	%gas	%oil	<u>80</u> %water	<u>20</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 783 BHT 114 Gravity 1.15 API RW 40 °F Chlorides 9500 ppm

(A) Initial Hydrostatic 1672 ☒ Test 1150 T-On Location 0600
 (B) First Initial Flow 34 ☒ Jars 250 T-Started 0645
 (C) First Final Flow 222 ☒ Safety Joint 75 T-Open 0758
 (D) Initial Shut-In 1111 ☐ Circ Sub T-Pulled 1000
 (E) Second Initial Flow 229 ☐ Hourly Standby T-Out 1145
 (F) Second Final Flow 367 ☒ Mileage 5182 158.10 Comments BWT- 0636
 (G) Final Shut-In 1112 ☐ Sampler
 (H) Final Hydrostatic 1665 ☐ Straddle ☐ Ruined Shale Packer
☐ Shale Packer ☐ Ruined Packer
☐ Extra Packer ☐ Extra Copies
☐ Extra Recorder Sub Total 0
☐ Day Standby Total 1633.10
☐ Accessibility MP/DST Disc't

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

Sub Total 1633.10

Approved By _____

Our Representative D. Rash

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