



RECEIVED

SEP 01 2013

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 138142

Invoice Date: Aug 21, 2013

Voice: (817) 546-7282  
Fax: (817) 246-3361

Page: 1

<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Palo	60572	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Aug 21, 2013	9/20/13

Quantity	Item	Description	Unit Price	Amount
144.00	CEMENT MATERIALS	Stutz-Quentzer #1		
		Class A Common	17.90	2,577.60
96.00	CEMENT MATERIALS	Pozmix	9.35	897.60
8.00	CEMENT MATERIALS	Gel	23.40	187.20
60.00	CEMENT MATERIALS	Flo Seal	2.97	178.20
257.33	CEMENT SERVICE	Cubic Feet	2.48	638.17
301.00	CEMENT SERVICE	Ton Mileage	2.60	782.60
1.00	CEMENT SERVICE	Rotary Plug	2,249.84	2,249.84
28.00	CEMENT SERVICE	Pump Truck Mileage	7.70	215.60
28.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	123.20
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 1,570.00

ONLY IF PAID ON OR BEFORE  
Sep 15, 2013

Subtotal	7,850.01
Sales Tax	482.78
Total Invoice Amount	8,332.79
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,332.79</b>

# ALLIED OIL & GAS SERVICES, LLC 060572

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Great Basin, KS

DATE <u>8-21-13</u>	SEC. <u>7</u>	TWP. <u>17S</u>	RANGE <u>25E</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 AM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Quetta</u>	WELL # <u>1</u>	LOCATION <u>UTCO, KS 2E 4S</u>		COUNTY <u>NESS</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)			<u>ENTERED</u>				

CONTRACTOR ProKrell Drilling #1  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 DEPTH 1950  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. All  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT Fresh water  
 EQUIPMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 240 SKS 60% class A  
1041002 441901 1/4 FLO  
 COMMON 144 @ 17.90 2,577.60  
 POZMIX 96 @ 9.35 897.60  
 GEL 8 @ 23.40 187.20  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
Flowseal 60 @ 2.97 178.20  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING 257.33 @ 2.48 638.12  
 MILEAGE 10.75 x 2.8 x 2.60 782.60  
 TOTAL 5,261.37

PUMP TRUCK CEMENTER Dustin Chambers  
 # 393 HELPER Mike Scott  
 BULK TRUCK  
 # 344-170 DRIVER Kevin Weighous  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Fill hole with plug and  
1, 1950 - 50 SKS  
2, 1150 - 50 SKS  
3, 75 - 40 SKS  
4, 60 - 20 SKS  
5, RT - 30 SKS  
6, 124 - 20 SKS  
plug down 6:00 AM

CHARGE TO: Palomino Petroleum  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE 2249.84  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE HUM 28 @ 7.70 215.60  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
HUM 28 @ 4.40 123.20  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 2,588.64

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME X Mike Re  
 SIGNATURE X Mike Re  
Thank you!!

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 7,850.91  
1,570.00  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
6,280.91

AUG 24 2013



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 137962  
Invoice Date: Aug 13, 2013  
Page: 1

Now Includes:



<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	60564	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Aug 13, 2013	9/12/13

Quantity	Item	Description	Unit Price	Amount
150.00	CEMENT MATERIALS	Stutz-Quenzer #1	17.90	2,685.00
3.00	CEMENT MATERIALS	Class A Common	23.40	70.20
162.09	CEMENT SERVICE	Gel	2.48	401.98
207.20	CEMENT SERVICE	Cubic Feet	2.60	538.72
1.00	CEMENT SERVICE	Ton Mileage	1,512.25	1,512.25
28.00	CEMENT SERVICE	Surface	7.70	215.60
28.00	CEMENT SERVICE	Pump Truck Mileage	4.40	123.20
1.00	CEMENT SERVICE	Light Vehicle Mileage		
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

Subtotal	5,546.95
Sales Tax	169.44
Total Invoice Amount	5,716.39
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,716.39</b>

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1,109.39

ONLY IF PAID ON OR BEFORE

Sep 7, 2013

# ALLIED OIL & GAS SERVICES, LLC 060564

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Great Bend, KS

DATE <u>8-13-13</u>	SEC. <u>#7</u>	TWP. <u>17S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>Stutz - Quentel</u>		WELL# <u>1</u>		LOCATION <u>UTice, 1/4 2E 4S E into</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Pickall Drilling #1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_

CASING SIZE 4 1/2 DEPTH 223.10

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15 FT

PERFS. \_\_\_\_\_

DISPLACEMENT 13,25 bbls Freshwater

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 150 SKS Class A

34.00 2 1/2 gal

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2,685.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>162.09</u>	@	<u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4 x 28 x</u>		<u>2.60</u>	<u>538.72</u>
TOTAL				<u>3,695.90</u>

EQUIPMENT

PUMP TRUCK CEMENTER Dustin Chambers

# 394 HELPER Mike Southorn

BULK TRUCK # 610-112 DRIVER Kevin Weighers

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Break circulation with Rig mud

Pump 5 bbls Freshwater Ahead

Mix 150 SKS Class A 34.00 2 1/2 gal

Displace 13,25 bbls Freshwater & shut in

Cement did circulation

Plug Down - 10:00 AM

Rig Down

CHARGE TO: Palomino Petroleum

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 223

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE Hum 28 @ 7.70 215.60

MANIFOLD @ \_\_\_\_\_

Hum 28 @ 4.40 123.20

TOTAL 1851.95

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL _____		

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME x Mike Kern

SIGNATURE x Mike Kern

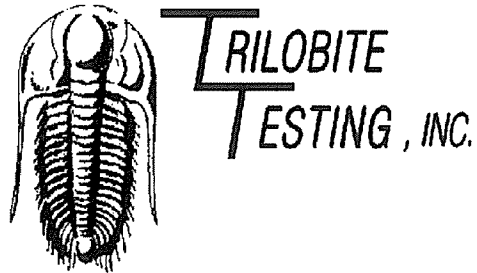
SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 5,546.95

DISCOUNT 1,109.39 IF PAID IN 30 DAYS

4,437.56

Thank You!!



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Ryan Seib

**Stutz Quenzer #1**

**7-17s-25w Ness,KS**

Start Date: 2013.08.18 @ 13:05:15

End Date: 2013.08.18 @ 18:50:53

Job Ticket #: 53199                      DST #: 1

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

Printed: 2013.08.21 @ 10:42:50

Palomino Petroleum

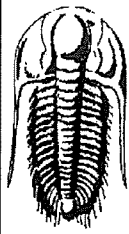
7-17s-25w Ness,KS

Stutz Quenzer #1

DST # 1

Marmaton

2013.08.18



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

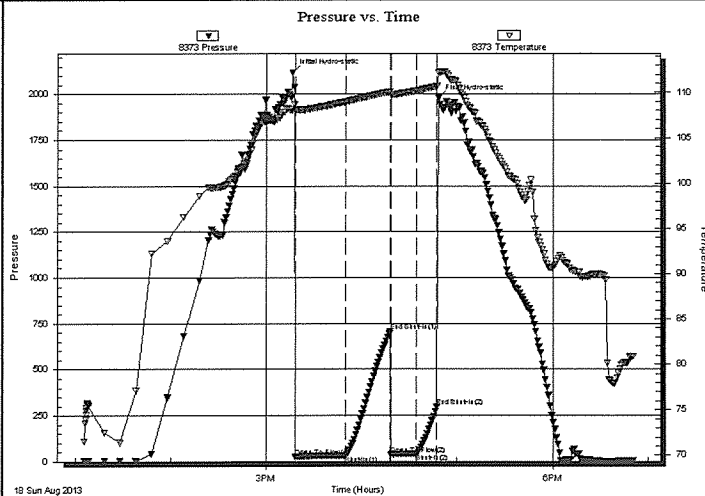
**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 53199      **DST#: 1**  
Test Start: 2013.08.18 @ 13:05:15

## GENERAL INFORMATION:

Formation: **Marmaton**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 15:18:23  
Time Test Ended: 18:50:53  
Interval: **4142.00 ft (KB) To 4310.00 ft (KB) (TVD)**  
Total Depth: 4310.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brandon Turley  
Unit No: 60  
Reference Elevations: 2537.00 ft (KB)  
2527.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8373      Inside**  
Press@RunDepth: 41.02 psig @ 4143.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.08.18      End Date: 2013.08.18      Last Calib.: 2013.08.18  
Start Time: 13:05:20      End Time: 18:50:52      Time On Btm: 2013.08.18 @ 15:16:23  
Time Off Btm: 2013.08.18 @ 16:48:23

TEST COMMENT: IF: 1/4" blow died in 8 min.  
IS: No return.  
FF: No blow.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.58	108.10	Initial Hydro-static
2	24.97	108.07	Open To Flow (1)
34	30.38	108.94	Shut-In(1)
62	705.77	110.05	End Shut-In(1)
62	35.61	109.66	Open To Flow (2)
78	41.02	110.16	Shut-In(2)
91	296.26	110.67	End Shut-In(2)
92	1978.28	112.12	Final Hydro-static

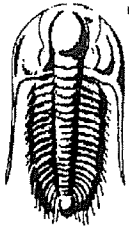
## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100%m	0.07

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 53199      **DST#: 1**  
Test Start: 2013.08.18 @ 13:05:15

### Tool Information

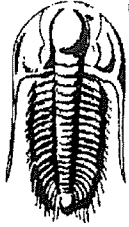
Drill Pipe:	Length: 3912.00 ft	Diameter: 3.80 inches	Volume: 54.88 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 208.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4142.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	168.00 ft			
Tool Length:	196.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4115.00	
Shut In Tool	5.00			4120.00	
Hydraulic tool	5.00			4125.00	
Jars	5.00			4130.00	
Safety Joint	3.00			4133.00	
Packer	5.00			4138.00	28.00      Bottom Of Top Packer
Packer	4.00			4142.00	
Stubb	1.00			4143.00	
Recorder	0.00	8373	Inside	4143.00	
Recorder	0.00	8356	Outside	4143.00	
Perforations	3.00			4146.00	
Change Over Sub	1.00			4147.00	
Drill Pipe	157.00			4304.00	
Change Over Sub	1.00			4305.00	
Bullnose	5.00			4310.00	168.00      Bottom Packers & Anchor

**Total Tool Length: 196.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

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

**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 53199      **DST#: 1**  
Test Start: 2013.08.18 @ 13:05:15

**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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 13.56 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100%m	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:

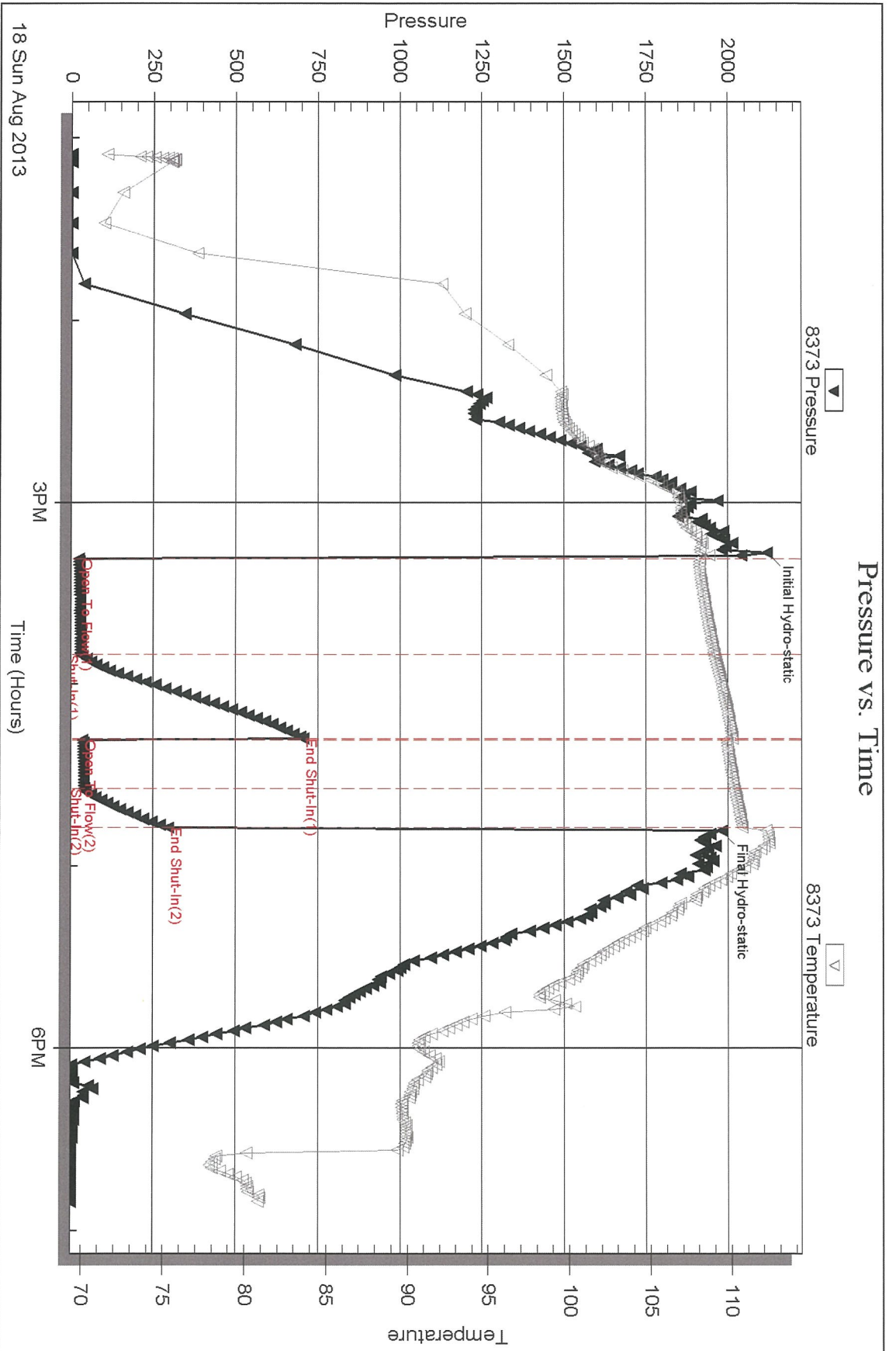
Serial #: 8373

Inside

Palominio Petroleum

Stutz Quenzer #1

DST Test Number: 1

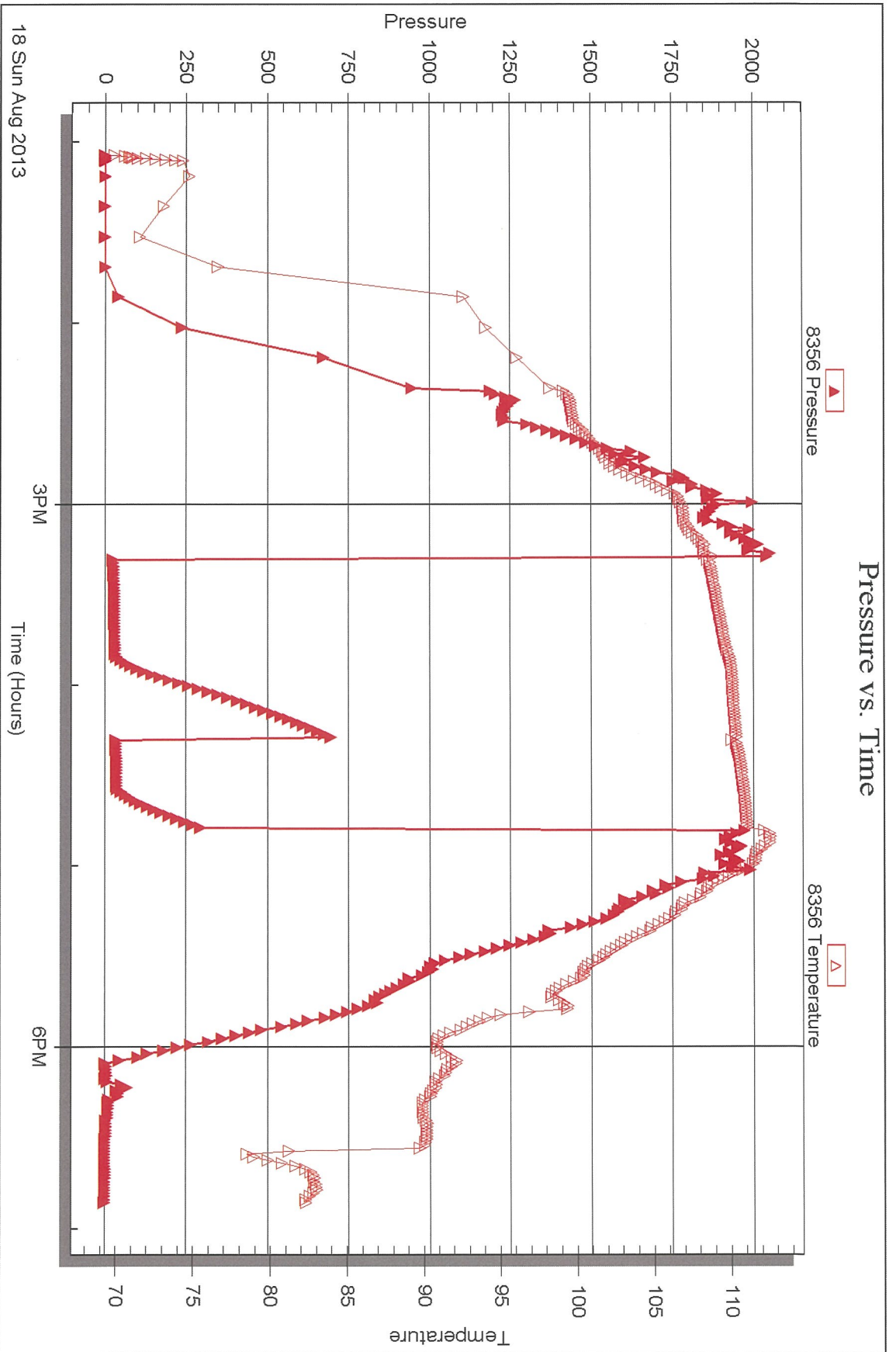


Serial #: 8356

Outside Palomino Petroleum

Slutz Quenzer #1

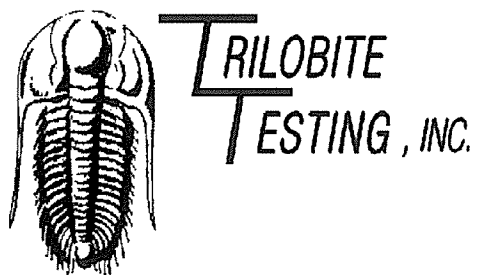
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 53199

Printed: 2013.08.21 @ 10:42:53



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Ryan Seib

**Stutz Quenzer #1**

**7-17s-25w Ness,KS**

Start Date: 2013.08.19 @ 13:33:05

End Date: 2013.08.19 @ 19:46:43

Job Ticket #: 53200                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.08.21 @ 10:42:12

Palomino Petroleum

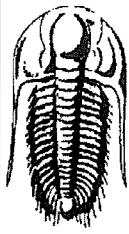
7-17s-25w Ness,KS

Stutz Quenzer #1

DST # 2

Miss

2013.08.19



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

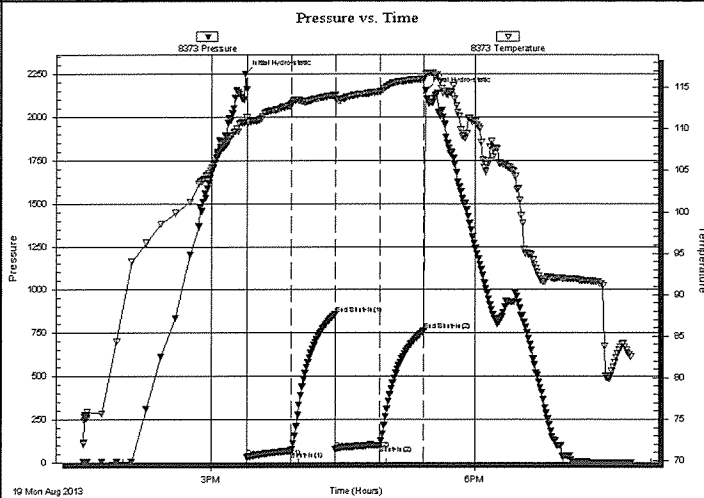
**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 53200      **DST#: 2**  
Test Start: 2013.08.19 @ 13:33:05

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 15:24:43  
Time Test Ended: 19:46:43  
Interval: **4386.00 ft (KB) To 4491.00 ft (KB) (TVD)**  
Total Depth: 4491.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brandon Turley  
Unit No: 60  
Reference Elevations: 2537.00 ft (KB)  
2527.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8373      Inside**  
Press@RunDepth: 100.98 psig @ 4387.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.08.19      End Date: 2013.08.19      Last Calib.: 2013.08.19  
Start Time: 13:33:10      End Time: 19:46:42      Time On Btm: 2013.08.19 @ 15:23:13  
Time Off Btm: 2013.08.19 @ 17:26:13

TEST COMMENT: IF: 1/4" blow built to 7.  
IS: No return.  
FF: 1/4" blow built to 5.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.42	110.88	Initial Hydro-static
2	31.77	110.81	Open To Flow (1)
32	68.59	113.05	Shut-In(1)
62	856.31	114.09	End Shut-In(1)
62	77.42	113.57	Open To Flow (2)
92	100.98	114.51	Shut-In(2)
122	761.11	116.04	End Shut-In(2)
123	2153.11	116.65	Final Hydro-static

## Recovery

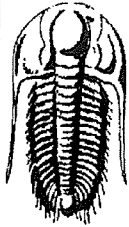
Length (ft)	Description	Volume (bbl)
120.00	ocm 50%o 50%m	0.59
60.00	mco 70%o 30%m	0.30
32.00	go 10%g 90%o	0.19

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 53200      **DST#: 2**  
Test Start: 2013.08.19 @ 13:33:05

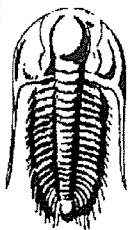
### Tool Information

Drill Pipe:	Length: 4160.00 ft	Diameter: 3.80 inches	Volume: 58.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 208.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4386.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	133.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4359.00	
Shut In Tool	5.00			4364.00	
Hydraulic tool	5.00			4369.00	
Jars	5.00			4374.00	
Safety Joint	3.00			4377.00	
Packer	5.00			4382.00	28.00      Bottom Of Top Packer
Packer	4.00			4386.00	
Stubb	1.00			4387.00	
Recorder	0.00	8373	Inside	4387.00	
Recorder	0.00	8356	Outside	4387.00	
Perforations	3.00			4390.00	
Change Over Sub	1.00			4391.00	
Drill Pipe	94.00			4485.00	
Change Over Sub	1.00			4486.00	
Bullnose	5.00			4491.00	105.00      Bottom Packers & Anchor

**Total Tool Length: 133.00**



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**7-17s-25w Ness,KS**

4924 SE 84th St  
New ton, KS 67114

**Stutz Quenzer #1**

Job Ticket: 53200

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2013.08.19 @ 13:33:05

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume:		
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure:		
Salinity: 2900.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	ocm 50%o 50%m	0.590
60.00	mco 70%o 30%m	0.295
32.00	go 10%g 90%o	0.194

Total Length: 212.00 ft      Total Volume: 1.079 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



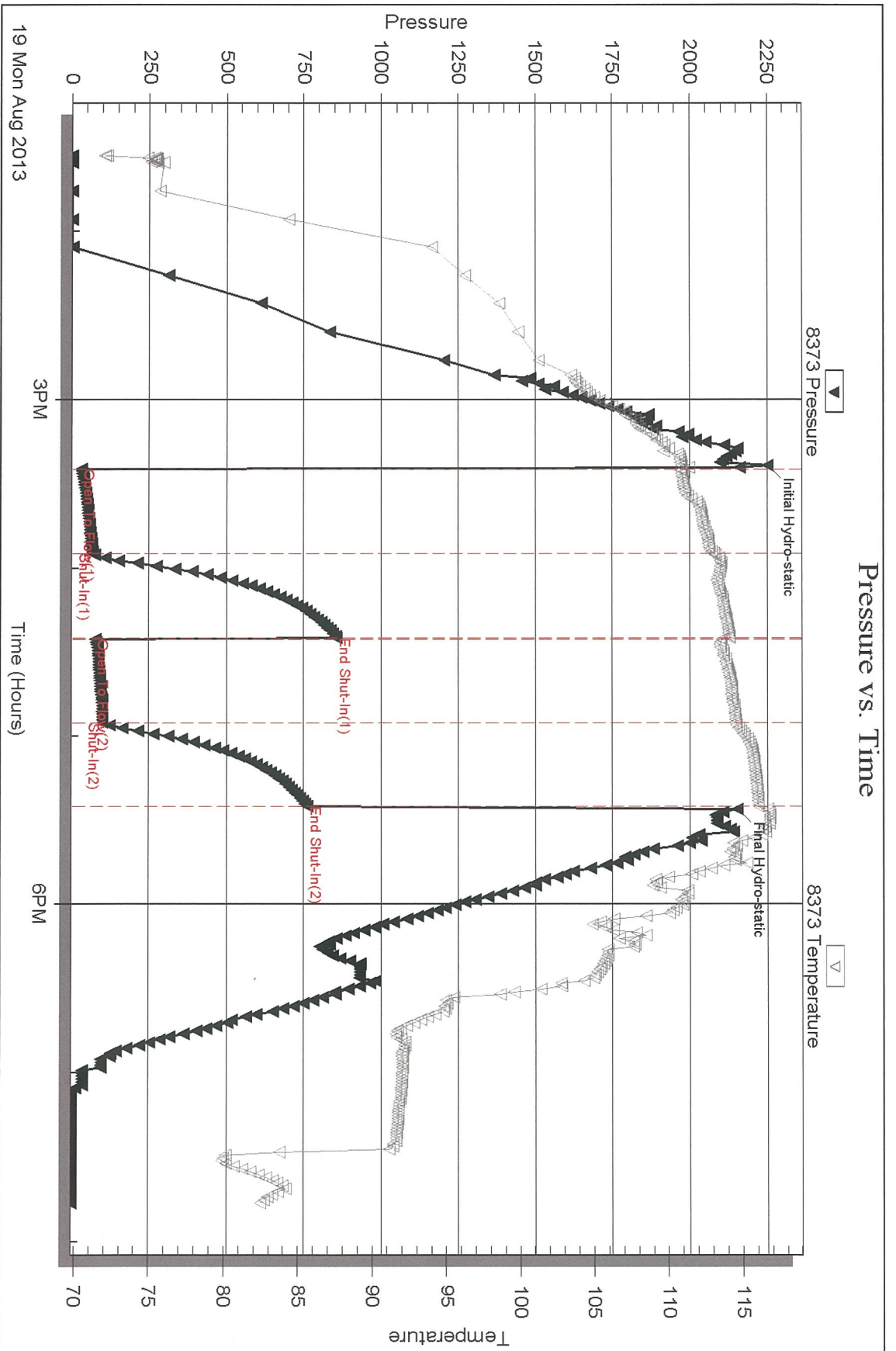
Serial #: 8373

Inside

Palantino Petroleum

Stutz Quenzer #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53200

Printed: 2013.08.21 @ 10:42:15

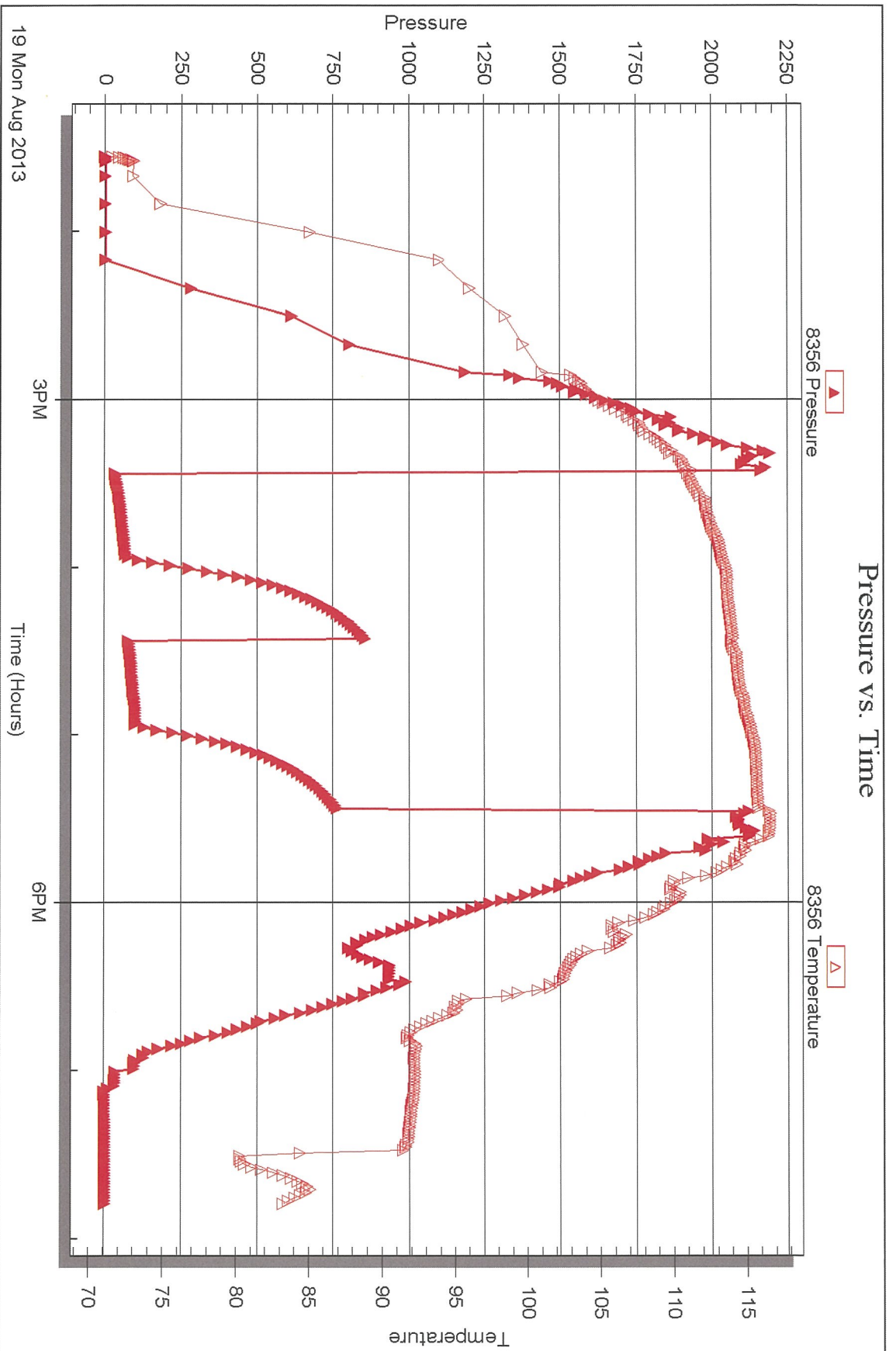
Serial #: 8356

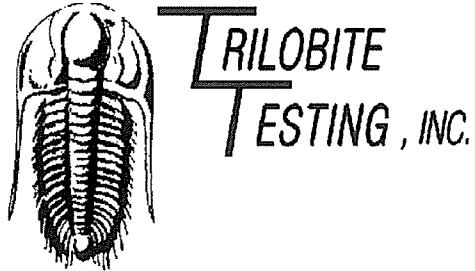
Outside

Palomino Petroleum

Stutz Quenzer #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton, KS 67114

ATTN: Ryan Seib

### **Stutz Quenzer #1**

### **7-17s-25w Ness,KS**

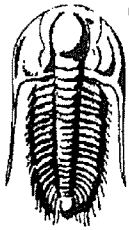
Start Date: 2013.08.20 @ 10:18:44

End Date: 2013.08.20 @ 16:23:22

Job Ticket #: 54926                      DST #: 3

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

Printed: 2013.08.21 @ 10:41:28



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 54926      **DST#: 3**  
Test Start: 2013.08.20 @ 10:18:44

### GENERAL INFORMATION:

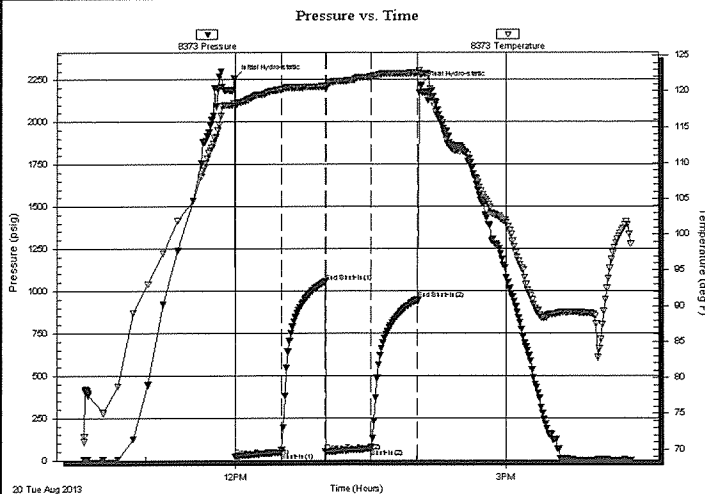
Formation: **Miss**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 11:59:52  
Time Test Ended: 16:23:22  
Interval: **4490.00 ft (KB) To 4519.00 ft (KB) (TVD)**  
Total Depth: 4610.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Straddle (Reset)  
Tester: Brandon Turley  
Unit No: 60  
Reference Elevations: 2537.00 ft (KB)  
2527.00 ft (CF)  
KB to GR/CF: 10.00 ft

### Serial #: 8373

Inside

Press@RunDepth: 66.45 psig @ 4491.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.08.20      End Date: 2013.08.20      Last Calib.: 2013.08.20  
Start Time: 10:18:49      End Time: 16:23:21      Time On Btm: 2013.08.20 @ 11:58:52  
Time Off Btm: 2013.08.20 @ 14:02:22

TEST COMMENT: IF: 1/4" blow built to 3"  
IS: No return.  
FF: Surface blow built to 2"  
FS: No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.47	118.23	Initial Hydro-static
1	20.60	118.03	Open To Flow (1)
32	45.60	120.20	Shut-In(1)
61	1054.13	120.66	End Shut-In(1)
61	48.93	120.33	Open To Flow (2)
91	66.45	122.00	Shut-In(2)
122	948.92	122.55	End Shut-In(2)
124	2218.20	122.37	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 10%w 90%m	0.30
30.00	w cm 5%w 95%m	0.15
30.00	oil 100%o	0.15

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum

7-17s-25w Ness, KS

4924 SE 84th St  
New ton, KS 67114

**Stutz Quenzer #1**

Job Ticket: 54926

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.08.20 @ 10:18:44

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:59:52

Time Test Ended: 16:23:22

Test Type: Conventional Straddle (Reset)

Tester: Brandon Turley

Unit No: 60

Interval: **4490.00 ft (KB) To 4519.00 ft (KB) (TVD)**

Total Depth: 4610.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2537.00 ft (KB)

2527.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8356** Outside

Press@RunDepth: psig @ 4491.00 ft (KB)

Start Date: 2013.08.20 End Date: 2013.08.20

Start Time: 10:18:50 End Time: 16:24:14

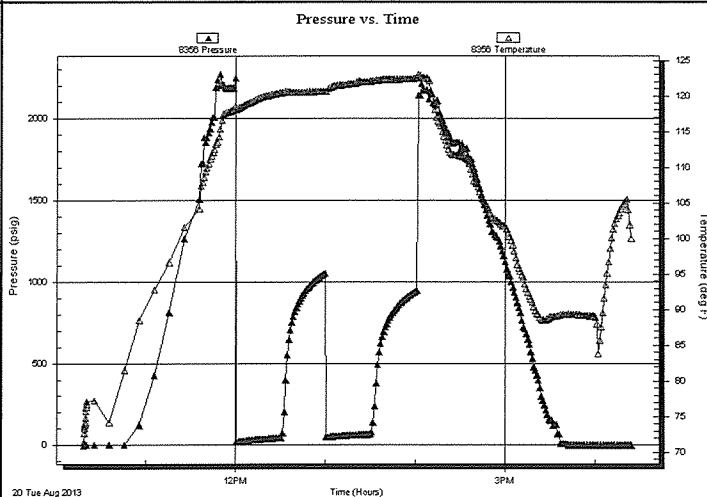
Capacity: 8000.00 psig

Last Calib.: 2013.08.20

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1/4" blow built to 3"  
IS: No return.  
FF: Surface blow built to 2"  
FS: No return.



## PRESSURE SUMMARY

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

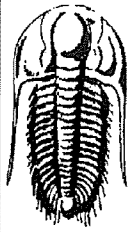
## Recovery

Length (ft)	Description	Volume (bbl)
60.00	w cm 10%w 90%m	0.30
30.00	w cm 5%w 95%m	0.15
30.00	oil 100%o	0.15

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum  
 4924 SE 84th St  
 Newton, KS 67114  
 ATTN: Ryan Seib

**7-17s-25w Ness,KS**

**Stutz Quenzer #1**

Job Ticket: 54926      **DST#: 3**  
 Test Start: 2013.08.20 @ 10:18:44

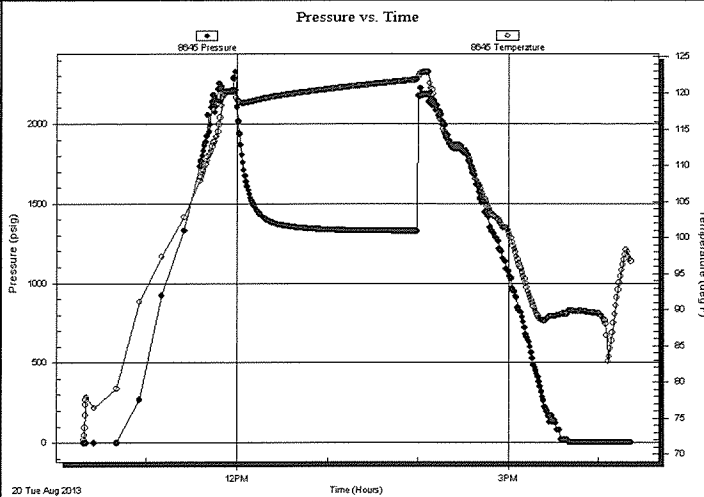
**GENERAL INFORMATION:**

Formation: <b>Miss</b>		Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock: ft (KB)		Tester: Brandon Turley
Time Tool Opened: 11:59:52		Unit No: 60
Time Test Ended: 16:23:22		Reference Elevations: 2537.00 ft (KB)
Interval: <b>4490.00 ft (KB) To 4519.00 ft (KB) (TVD)</b>		2527.00 ft (CF)
Total Depth: 4610.00 ft (KB) (TVD)		KB to GR/CF: 10.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good	

**Serial #: 8645 Below (Straddle)**

Press@RunDepth:      psig @ 4541.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.08.20      End Date: 2013.08.20	Last Calib.: 2013.08.20
Start Time: 10:18:12      End Time: 16:21:36	Time On Btm:
	Time Off Btm:

**TEST COMMENT:** IF: 1/4" blow built to 3"  
 IS: No return.  
 FF: Surface blow built to 2"  
 FS: No return.



**PRESSURE SUMMARY**

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

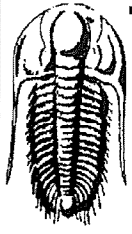
**Recovery**

Length (ft)	Description	Volume (bbl)
60.00	w cm 10%w 90%m	0.30
30.00	w cm 5%w 95%m	0.15
30.00	oil 100%o	0.15

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**7-17s-25w Ness,KS**  
**Stutz Quenzer #1**  
Job Ticket: 54926      **DST#: 3**  
Test Start: 2013.08.20 @ 10:18:44

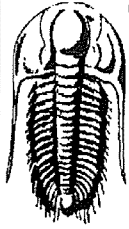
**Tool Information**

Drill Pipe:	Length: 4284.00 ft	Diameter: 3.80 inches	Volume: 60.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 208.00 ft	Diameter: 2.25 inches	Volume: 1.02 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	4490.00 ft			Final 86000.00 lb
Depth to Bottom Packer:	4515.00 ft			
Interval between Packers:	25.00 ft			
Tool Length:	148.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4463.00	
Shut In Tool	5.00			4468.00	
Hydraulic tool	5.00			4473.00	
Jars	5.00			4478.00	
Safety Joint	3.00			4481.00	
Packer	5.00			4486.00	28.00      Bottom Of Top Packer
Packer	4.00			4490.00	
Stubb	1.00			4491.00	
Recorder	0.00	8373	Inside	4491.00	
Recorder	0.00	8356	Outside	4491.00	
Perforations	23.00			4514.00	
Blank Off Sub	1.00			4515.00	25.00      Tool Interval
Packer	4.00			4519.00	
Stubb	1.00			4520.00	
Perforations	20.00			4540.00	
Change Over Sub	1.00			4541.00	
Recorder	0.00	8645	Below	4541.00	
Drill Pipe	63.00			4604.00	
Change Over Sub	1.00			4605.00	
Bullnose	5.00			4610.00	95.00      Bottom Packers & Anchor

**Total Tool Length: 148.00**



**TRILOBITE**  
**TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Palomino Petroleum

**7-17s-25w Ness, KS**

4924 SE 84th St  
Newton, KS 67114

**Stutz Quenzer #1**

Job Ticket: 54926

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2013.08.20 @ 10:18:44

**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: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
60.00	w cm 10%w 90%m	0.295
30.00	w cm 5%w 95%m	0.148
30.00	oil 100%o	0.148

Total Length: 120.00 ft      Total Volume: 0.591 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



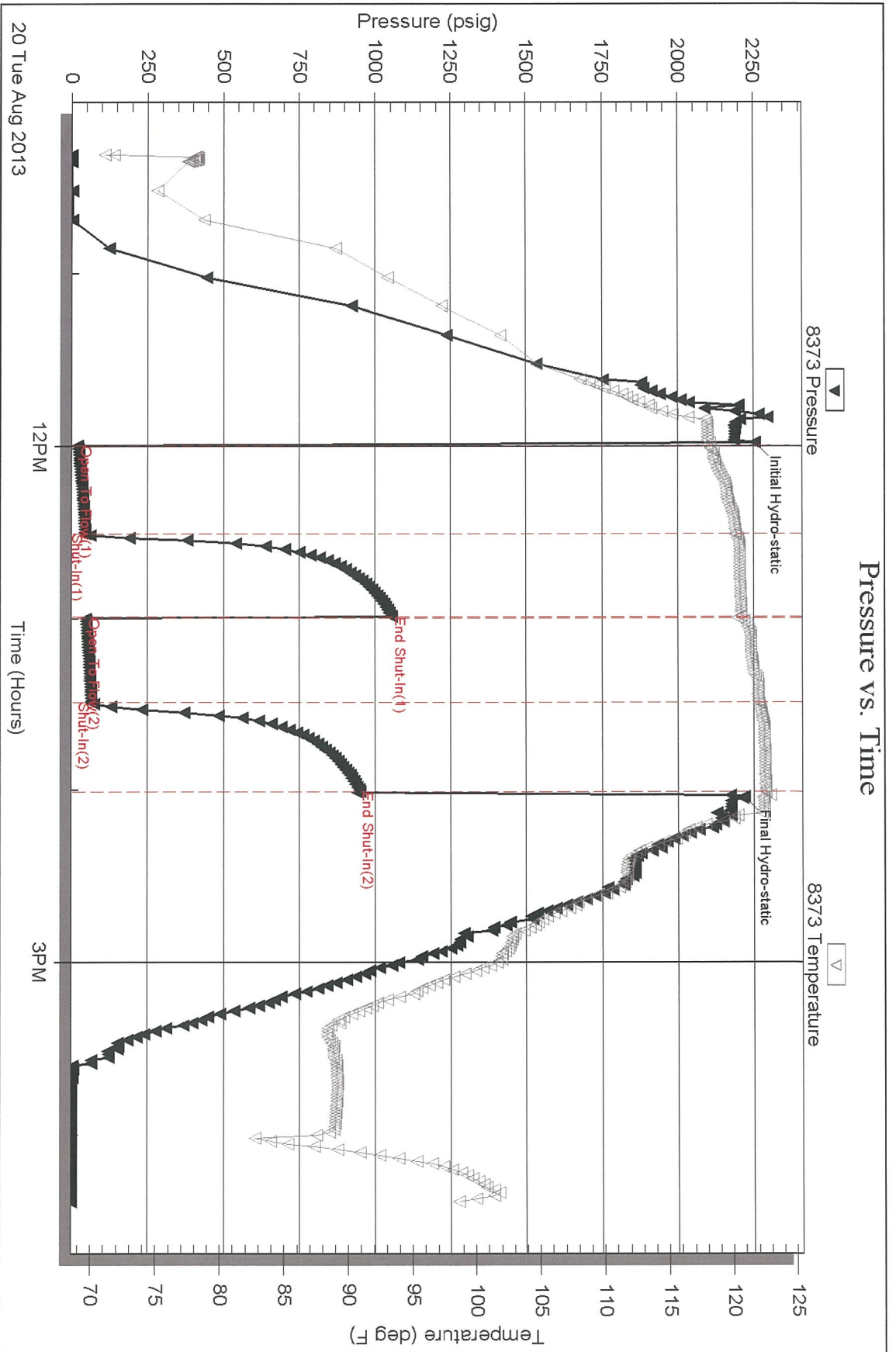
Serial #: 8373

Inside

Palomino Petroleum

Stutz Quenzer #1

DST Test Number: 3



Triobble Testing, Inc

Ref. No: 54926

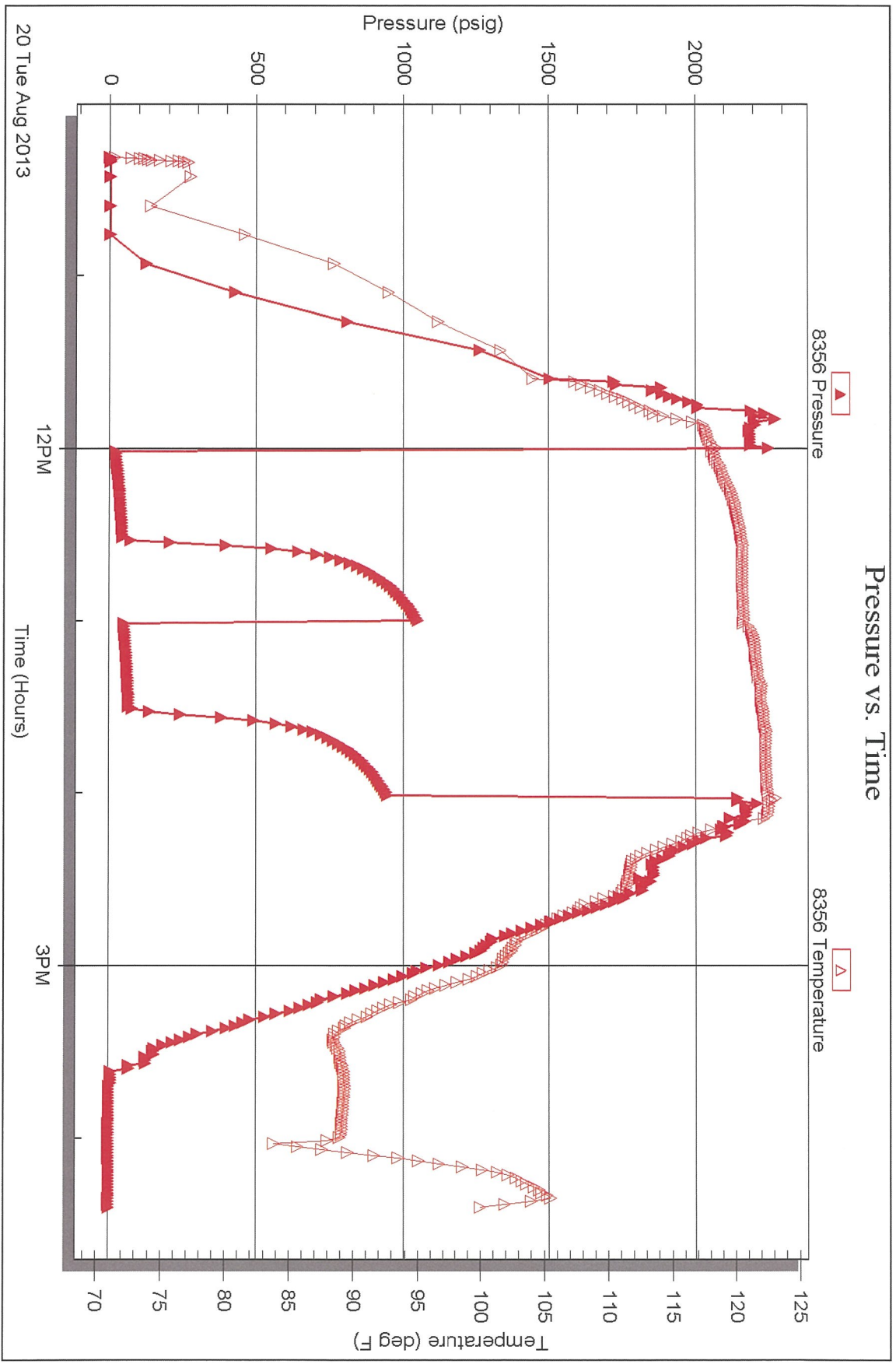
Printed: 2013.08.21 @ 10:41:31

Serial #: 8356

Outside Palomino Petroleum

Stutz Quenzer #1

DST Test Number: 3

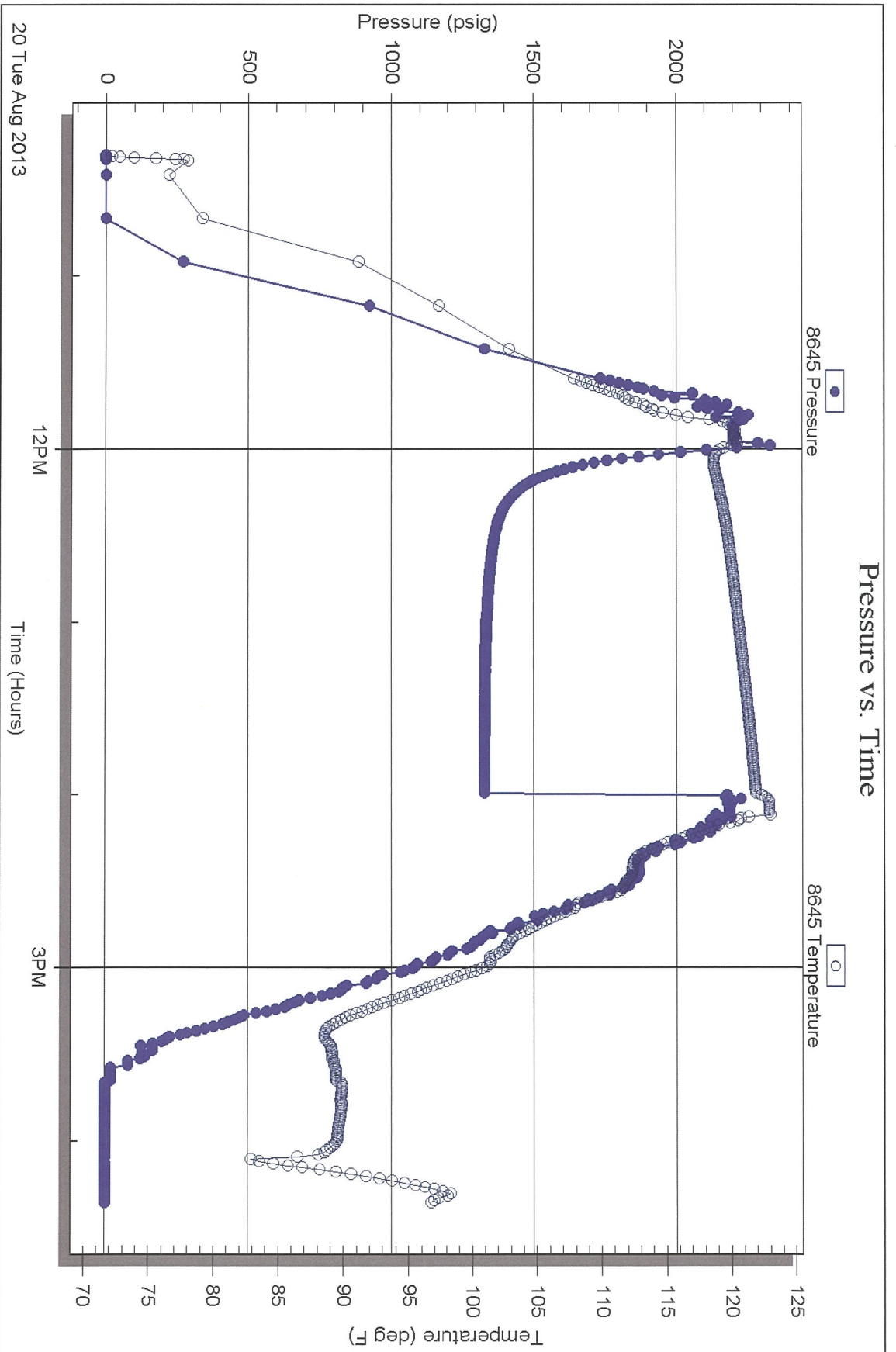


Serial #: 8645

Below (Stratton) Petroleum

Stutz Quenzer #1

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 53199

Well Name & No. Stutz Quenzer #1 Test No. 1 Date 8-18-13  
 Company Palomino Petroleum Elevation 2537 KB 2527 GL  
 Address 4924 SE 84th St Newton, KS 67114  
 Co. Rep / Geo. Ryan Seib Rig Pickrell #1  
 Location: Sec. 7 Twp. 17S Rge. 25W Co. Ness State KS

Interval Tested 4142 4310 Zone Tested Marmaton  
 Anchor Length 168 Drill Pipe Run 3912 Mud Wt. 9.2  
 Top Packer Depth 4137 Drill Collars Run 208 Vis 60  
 Bottom Packer Depth 4142 Wt. Pipe Run — WL 13.6  
 Total Depth 4310 Chlorides 3000 ppm System LCM 0

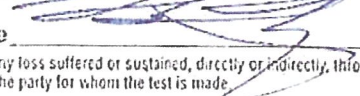
Blow Description IF: 1/4 blow died in 8 min.  
IS: No return.  
FF: No blow.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</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 15 BHT 110 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2118  Test 1250 T-On Location 12:15  
 (B) First Initial Flow 24  Jars 250 T-Started 13:05  
 (C) First Final Flow 30  Safety Joint 75 T-Open 15:09  
 (D) Initial Shut-In 705  Circ Sub NIC T-Pulled 16:49  
 (E) Second Initial Flow 35  Hourly Standby T-Out 18:55  
 (F) Second Final Flow 41  Mileage 110 - 170.50 Comments  
 (G) Final Shut-In 206  Sampler  
 (H) Final Hydrostatic 1978  Straddle  Ruined Shale Packer

Initial Open 30  Shale Packer  
 Initial Shut-In 30  Extra Packer  Ruined Packer  
 Final Flow ~~30~~ 15  Extra Recorder  Extra Copies  
 Final Shut-In ~~30~~ 15  Day Standby Sub Total 0  
 Sub Total 1745.50 Total 1745.50 MP/DST Disc't

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. 53200

Well Name & No. Stutz Quenzer #1 Test No. 2 Date 8-19-13  
 Company Palomino Petroleum Elevation 2537 KB 2527 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Ryan Seib Rig Pickrell #1  
 Location: Sec. 7 Twp. 175 Rge. 25W Co. Ness State KS

Interval Tested 4386 4491 Zone Tested M.S.S  
 Anchor Length \_\_\_\_\_ 105 Drill Pipe Run 4160 Mud Wt. 9.3  
 Top Packer Depth \_\_\_\_\_ 4381 Drill Collars Run 208 Vis 51  
 Bottom Packer Depth \_\_\_\_\_ 4386 Wt. Pipe Run \_\_\_\_\_ WL 10.4  
 Total Depth \_\_\_\_\_ 4491 Chlorides 2900 ppm System LCM g

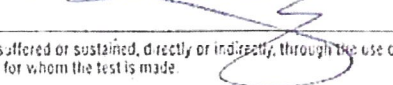
Blow Description IF: 1/4 blow built to 7.  
IS: No return,  
FF: 1/4 blow built to 5,  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>32</u>	<u>90</u>	<u>10</u>	<u>90</u>		
<u>60</u>	<u>MLO</u>		<u>70</u>		<u>30</u>
<u>120</u>	<u>OCM</u>		<u>50</u>		<u>50</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 212 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2252  Test 1250 T-On Location 13:00  
 (B) First Initial Flow 31  Jars 250 T-Started 13:33  
 (C) First Final Flow 68  Safety Joint 75 T-Open 15:24  
 (D) Initial Shut-In 856  Circ Sub N/C T-Pulled 17:24  
 (E) Second Initial Flow 77  Hourly Standby \_\_\_\_\_ T-Out 19:47  
 (F) Second Final Flow 100  Mileage 110 - 170.50  
 (G) Final Shut-In 761  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2153  Straddle \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Packer \_\_\_\_\_  
 Final Shut-In 30  Extra Recorder \_\_\_\_\_  
 Sub Total 0  
 Total 1745.50  
 MP/DST Disc't \_\_\_\_\_  
 Sub Total 1745.50

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. 54926

Well Name & No. Stutz Quenzer #1 Test No. 3 Date 8-20-13  
 Company Palomino Petroleum Elevation 2537 KB 2527 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Ryan Seib Rig Pickwell #1  
 Location: Sec. 7 Twp. 17<sup>s</sup> Rge. 25<sup>w</sup> Co. Ness State KS

Interval Tested 4490 4519 Zone Tested MISS  
 Anchor Length 29 Drill Pipe Run 4284 Mud Wt. 9.3  
 Top Packer Depth 4490 Drill Collars Run 208 Vis 51  
 Bottom Packer Depth 4519 Wt. Pipe Run \_\_\_\_\_ WL 10.4  
 Total Depth 4610 Chlorides 2900 ppm System LCM 0

Blow Description IF; 1/4 blow built to 3.  
IS; No return.  
FF; surface blow built to 2.  
FS; No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>oil</u>	<u>100</u>			
<u>30</u>	<u>WCM</u>		<u>5</u>	<u>95</u>	
<u>60</u>	<u>WCM</u>		<u>10</u>	<u>90</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 120 BHT 122 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2255  Test 1250 T-On Location 9:15  
 (B) First Initial Flow 20  Jars 250 T-Started 10:18  
 (C) First Final Flow 45  Safety Joint 75 T-Open 12:00  
 (D) Initial Shut-In 1054  Circ Sub NIC T-Pulled 14:00  
 (E) Second Initial Flow 48  Hourly Standby \_\_\_\_\_ T-Out 16:25  
 (F) Second Final Flow 66  Mileage 220 - 170.50 Comments \_\_\_\_\_  
 (G) Final Shut-In 948  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2218  Straddle 600.00  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 2345.50  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 2345.50

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.