



**CONSOLIDATED**  
Oil Well Services, LLC

REMIT TO

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

RECEIVED

MAR 16 2015

MAIN OFFICE

P.O.Box884  
Chanute, KS 66720  
620/431-9210, 1-800/467-8676  
Fax 620/431-0012

Invoice

Invoice# 803640

Invoice Date: 03/12/15

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
NEWTON KS 67114-8827  
USA

LISA #1

Tax: 298.46

Total: 5,443.54

4:0 PM

1:30 AM

2351

2284

Invoice #803640

TICKET NUMBER 47951

LOCATION

FOREMAN Cory Davis  
Jerry Y.



**CONSOLIDATED**  
Oil Well Services, LLC

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

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

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3/11/15	6285	Lisa #1	15	10S	30W	Sheridan
CUSTOMER Palomino			Grinded 4 in 1 w M into			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			173	Jordan L.		
STATE			179	Lance R.		
ZIP CODE						

JOB TYPE Plug HOLE SIZE 7 7/8 HOLE DEPTH 2440 CASING SIZE & WEIGHT  
 CASING DEPTH DRILL PIPE 4 1/2 TUBING OTHER  
 SLURRY WEIGHT 12.8 SLURRY VOL 1.42 WATER gal/sk 6.2 CEMENT LEFT in CASING  
 DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting rig up on well Plug as order  
 1 50 sks at 2440 60/40 Poz mix 4% gel 1/4" flo seal  
 2 100 sks at 1500  
 3 50 sks at 250  
 4 10 sks at 40  
 R 30 sks at  
 240 sks total

Thanks Cory D. & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405V	1	PUMP CHARGE	1395.00	1,395.00
5406	15	MILEAGE	5.25	78.75
5407B	10.32	TON Mileage Delivery	1.75	270.90
1131	240	60/40 Poz mix	15.86	3,806.40
1118B	826	Bentonite (gel)	.27	223.02
1107	60	florcel	2.97	178.20
4432	1	8 7/8 wooden Plug	100.75	100.75
			sub total	6053.02
			15% less	907.95
			sub total	5,145.07
			SALES TAX	298.46
			ESTIMATED TOTAL	5443.54

Ravin 3737

AUTHORIZATION Maul Rogge TITLE Tool Pusher DATE 3-12-15

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.

## TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

## SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a 'claim') for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools.

Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

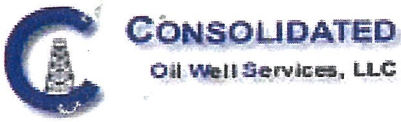
(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

## WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



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

**RECEIVED**  
 MAR 09 2015

MAIN OFFICE  
 P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 803604

Invoice Date: 03/06/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.  
 4924 SE 84TH STREET LISA #1  
 NEWTON KS 67114-8827  
 USA

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401S	Cement Pump Truck - Surface	1.000	1,150.0000	15.000	977.50
5406	Mileage Charge	15.000	5.2500	15.000	66.94
5407	Min. Bulk Delivery Charge	1.000	430.0000	15.000	365.50
1104S	Class A Cement	165.000	18.5500	15.000	2,601.64
1102	Calcium Chloride (50#)	465.000	0.9400	15.000	371.54
1118B	Premium Gel / Bentonite	310.000	0.2700	15.000	71.15
1111	Sodium Chloride (Granulated Salt)	100.000	0.0000	0.000	0.00

Subtotal 5,240.30  
 Discounted Amount 786.05  
 SubTotal After Discount 4,454.25  
 Amount Due 5,532.20 If paid after 04/05/15

Tax: 248.12  
 Total: 4,702.39



7P



**CONSOLIDATED**  
Oil Well Services, LLC

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

2294

2233

INVOICE #803604

TICKET NUMBER 47810  
LOCATION Oakley, KS  
FOREMAN Jerry

9:1P

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-3-15	6285	Lisa #1	15	10S	30W	Stensider
CUSTOMER			Grimmell 4N1W Ninto			
MAILING ADDRESS			Palomind			
CITY			TRUCK #	DRIVER	TRUCK #	DRIVER
			731	Jordan L		
			466	Bills		
STATE			ZIP CODE			

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 217 CASING SIZE & WEIGHT 8 5/8 24#  
 CASING DEPTH 217 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12 1/2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on rig upon WW6 break circulation with rig trees  
m-x 16.5 sks com class A cement 3% calcium chloride 2% gel washed disp.  
with 12 1/2 bbl fresh water & shot in. circulated approx 46 bbl top it

Cement did  
circulate

Thank you  
Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1150.00	1150.00
5406	15	MILEAGE	5.25	78.75
5407	7.75	ton mileage delivery (min.)	430.00	430.00
1104s	16.5 sks	com class A cement	18.55	3060.25
1107	465 #	CC	99	4371.00
1118b	310 #	gel	27	837.00
111	100 #	salt	NC	NC
			Subtotal	5240.35
			-15% disc	786.05
			Subtotal	4454.30
			SALES TAX	248.12
			ESTIMATED TOTAL	4702.39

Ravin 3737

AUTHORIZATION Maui Bygg TITLE Pusher DATE 3-3-15

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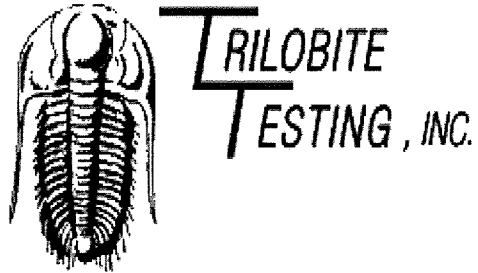
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Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4824 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**Lisa #1**

**15-10s-30w Sheridan,KS**

Start Date: 2015.03.06 @ 17:35:15

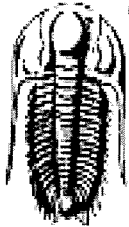
End Date: 2015.03.06 @ 23:52:30

Job Ticket #: 61403                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.03.12 @ 12:00:52

Palomino Petroleum Inc. 15-10s-30w Sheridan,KS Lisa #1 DST # 1 Tarkio 2015.03.06



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61403

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2015.03.06 @ 17:35:15

## GENERAL INFORMATION:

Formation: **Tarkio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:49:30

Time Test Ended: 23:52:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: **3573.00 ft (KB) To 3634.00 ft (KB) (TVD)**

Reference Elevations: 2855.00 ft (KB)

Total Depth: 3634.00 ft (KB) (TVD)

2850.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8737 Outside**

Press@RunDepth: 118.28 psig @ 3575.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.06

End Date: 2015.03.06

Last Calib.: 2015.03.07

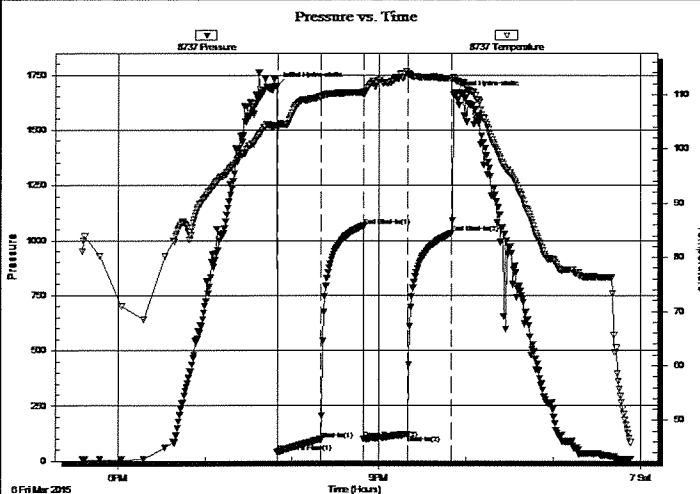
Start Time: 17:35:15

End Time: 23:52:30

Time On Btm: 2015.03.06 @ 19:49:15

Time Off Btm: 2015.03.06 @ 21:51:00

TEST COMMENT: IF:Built to 4 1/2" blow  
IS:No return blow  
FF:Built to 4" blow  
FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.15	104.32	Initial Hydro-static
1	39.83	103.74	Open To Flow (1)
31	97.07	109.68	Shut-In(1)
60	1061.83	110.40	End Shut-In(1)
60	100.12	109.94	Open To Flow (2)
91	118.28	113.80	Shut-In(2)
121	1031.97	112.93	End Shut-In(2)
122	1662.06	113.11	Final Hydro-static

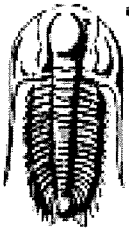
## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mcw 50% m 50%sw	0.30
122.00	mud 100%m	1.16

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61403

**DST#: 1**

ATTN: Ryan Seib

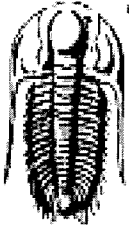
Test Start: 2015.03.06 @ 17:35:15

### Tool Information

Drill Pipe:	Length: 3457.00 ft	Diameter: 3.80 inches	Volume: 48.49 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3573.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	85.00 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			3550.00	
Shut In Tool	5.00			3555.00	
Hydraulic tool	5.00			3560.00	
Jars	5.00			3565.00	
Safety Joint	3.00			3568.00	
Packer	5.00			3573.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			3573.00	
Stubb	1.00			3574.00	
Perforations	1.00			3575.00	
Recorder	0.00	8846	Inside	3575.00	
Recorder	0.00	8737	Outside	3575.00	
Change Over Sub	1.00			3576.00	
Drill Pipe	32.00			3608.00	
Change Over Sub	1.00			3609.00	
Perforations	20.00			3629.00	
Bullnose	5.00			3634.00	61.00 Anchor Tool
<b>Total Tool Length:</b>	<b>85.00</b>				





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.

**15-10s-30w Sheridan, KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61403

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2015.03.06 @ 17:35:15

### 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:

50000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.73 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mcw 50% m 50%sw	0.295
122.00	mud 100%m	1.165

Total Length: 182.00 ft      Total Volume: 1.460 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .34 @38\*= 50,000 ppm

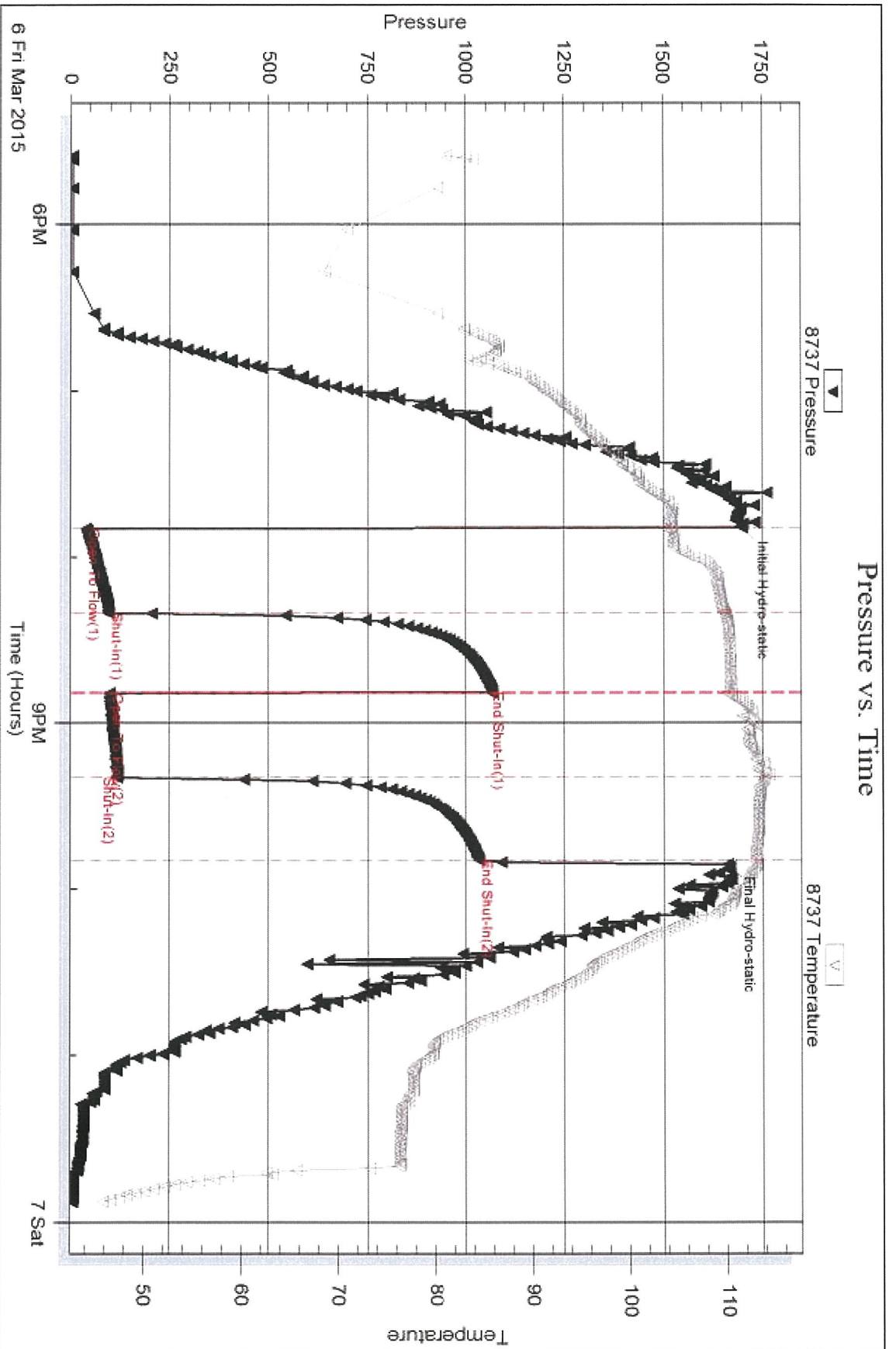
Serial #: 8737

Outside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 61403

Printed: 2015.03.12 @ 12:00:53

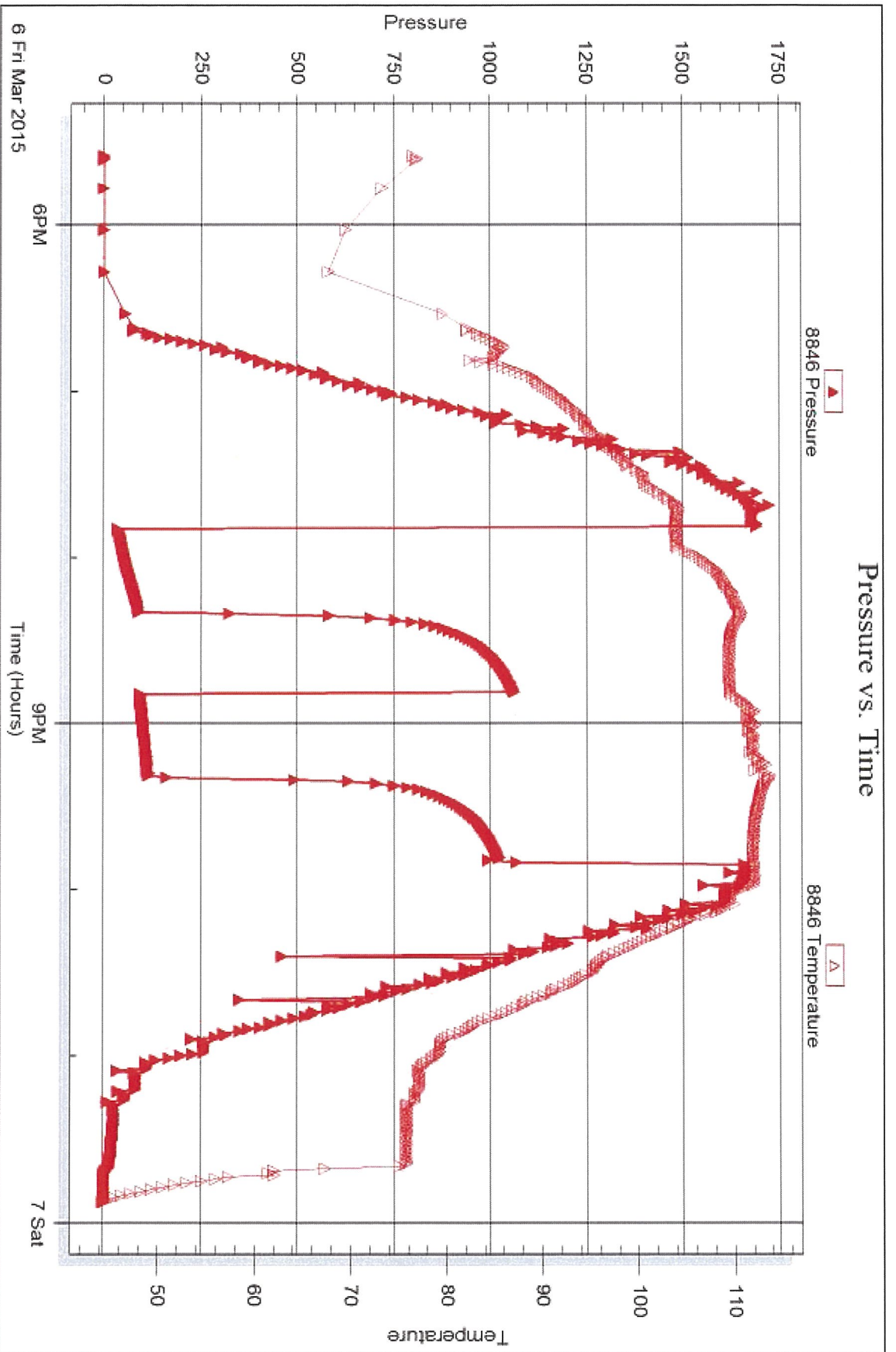
Serial #: 8846

Inside

Palomino Petroleum Inc.

Lisa #1

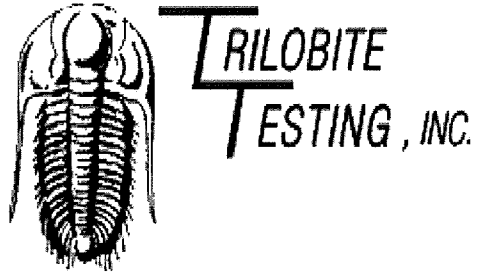
OST Test Number: 1



Triobite Testing, Inc

Ref. No: 61403

Printed: 2015.03.12 @ 12:00:53



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4824 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**Lisa #1**

**15-10s-30w Sheridan,KS**

Start Date: 2015.03.07 @ 22:27:15

End Date: 2015.03.08 @ 04:13:45

Job Ticket #: 61404                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

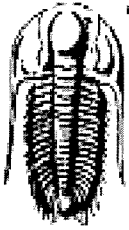
Printed: 2015.03.12 @ 12:00:06

Palomino Petroleum Inc. 15-10s-30w Sheridan,KS Lisa #1 DST # 2 LKC A-C 2015.03.07









**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**15-10s-30w Sheridan, KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61404

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2015.03.07 @ 22:27:15

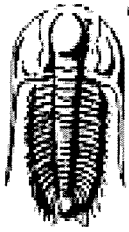
### Tool Information

Drill Pipe:	Length: 3772.00 ft	Diameter: 3.80 inches	Volume: 52.91 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3914.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	70.00 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			3891.00	
Shut In Tool	5.00			3896.00	
Hydraulic tool	5.00			3901.00	
Jars	5.00			3906.00	
Safety Joint	3.00			3909.00	
Packer	5.00			3914.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			3914.00	
Stubb	1.00			3915.00	
Perforations	6.00			3921.00	
Recorder	0.00	8846	Inside	3921.00	
Recorder	0.00	8737	Outside	3921.00	
Change Over Sub	1.00			3922.00	
Drill Pipe	32.00			3954.00	
Change Over Sub	1.00			3955.00	
Bullnose	5.00			3960.00	46.00 Anchor Tool

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.

15-10s-30w Sheridan,KS

4824 SE 84th St  
New ton KS 67114

Lisa #1

Job Ticket: 61404

DST#: 2

ATTN: Ryan Seib

Test Start: 2015.03.07 @ 22:27:15

### 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:

50000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.14 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
182.00	sw 100% sw	1.460
186.00	mcsw 50%m 50%sw with oil spots	2.609

Total Length: 368.00 ft

Total Volume: 4.069 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .38@ 31.4\*= 50,000 ppm

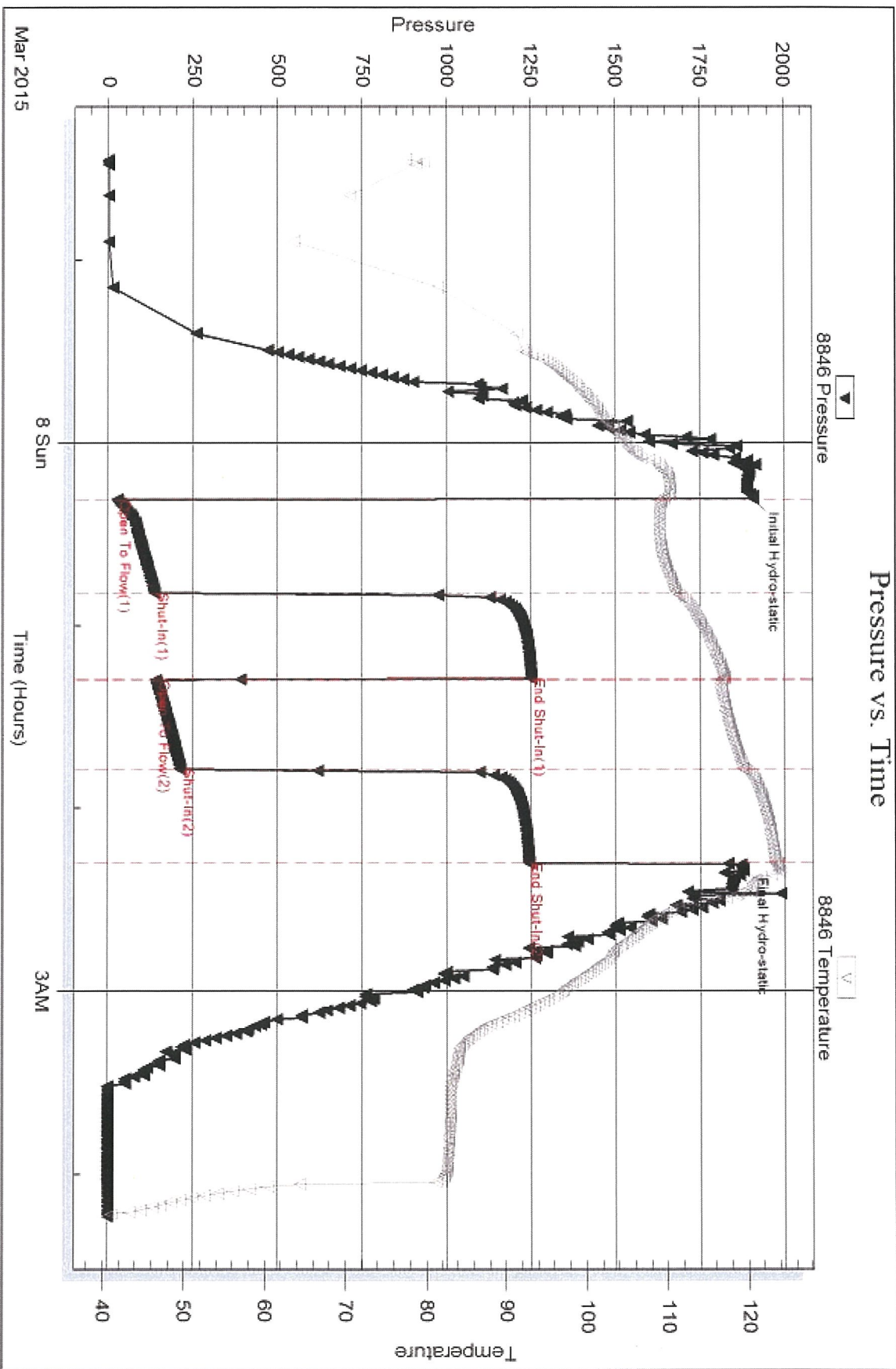
Serial #: 8846

Inside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 61404

Printed: 2015.03.12 @ 12:00:07

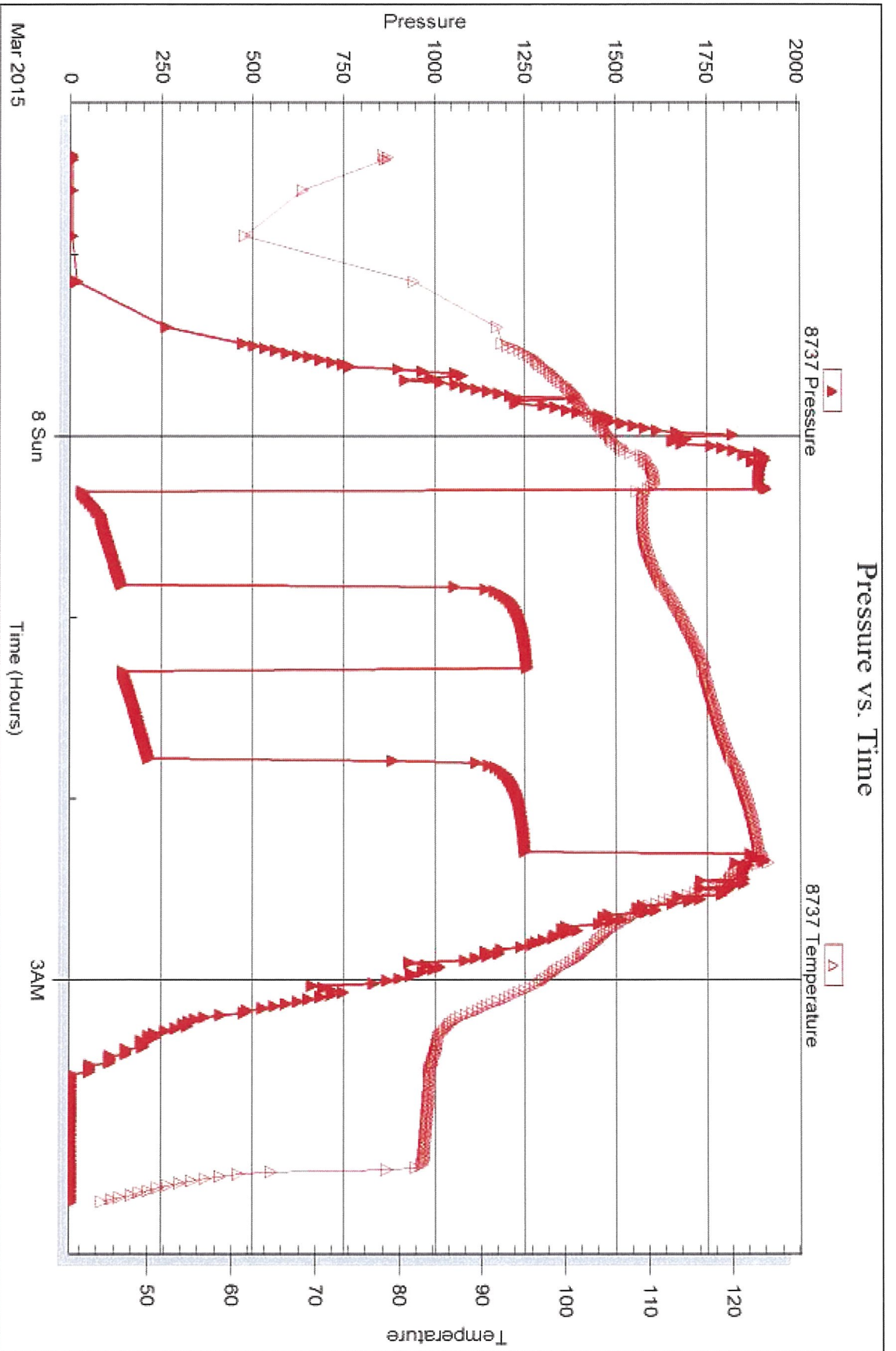
Serial #: 8737

Outside

Palomino Petroleum Inc.

Lisa #1

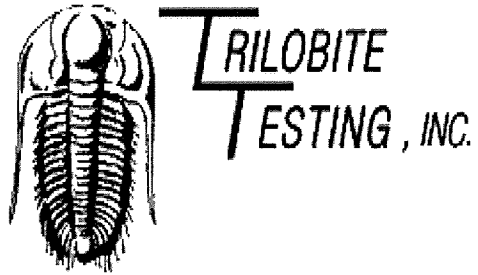
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61404

Printed: 2015.03.12 @ 12:00:07



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4824 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**Lisa #1**

**15-10s-30w Sheridan,KS**

Start Date: 2015.03.08 @ 13:29:15

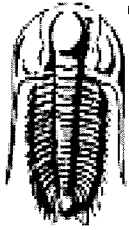
End Date: 2015.03.08 @ 18:54:45

Job Ticket #: 61405                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.03.12 @ 11:59:45

Palomino Petroleum Inc. 15-10s-30w Sheridan,KS Lisa #1 DST # 3 LKC E-G 2015.03.08



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**15-10s-30w Sheridan, KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61405

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2015.03.08 @ 13:29:15

## GENERAL INFORMATION:

Formation: **LKC E-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:10:30

Time Test Ended: 18:54:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **3977.00 ft (KB) To 4017.00 ft (KB) (TVD)**

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4017.00 ft (KB) (TVD)

2850.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8737**

**Outside**

Press@RunDepth: 38.62 psig @ 4012.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.08

End Date:

2015.03.08

Last Calib.: 2015.03.08

Start Time: 13:29:15

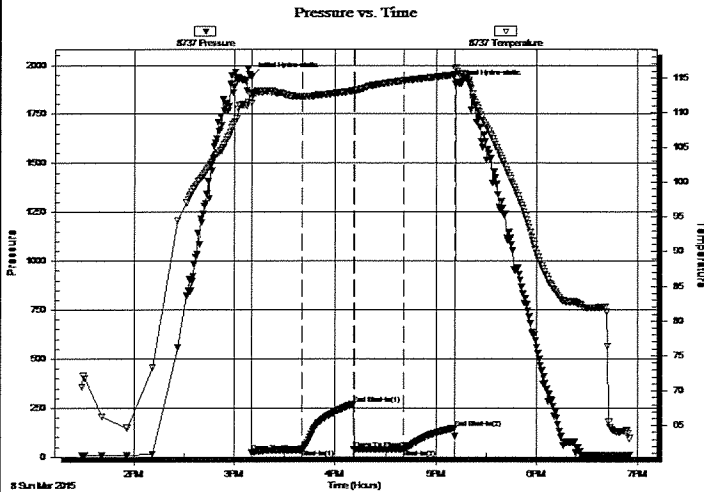
End Time:

18:54:45

Time On Btm: 2015.03.08 @ 15:10:15

Time Off Btm: 2015.03.08 @ 17:11:30

TEST COMMENT: IF:Built to 1" blow  
IS:No return blow  
FF:No blow  
FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.39	112.82	Initial Hydro-static
1	23.94	111.41	Open To Flow (1)
31	36.52	112.29	Shut-In(1)
61	268.79	113.12	End Shut-In(1)
61	37.89	113.11	Open To Flow (2)
91	38.62	114.59	Shut-In(2)
121	147.46	115.45	End Shut-In(2)
122	1902.86	116.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100% m	0.10

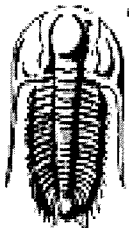
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61405

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2015.03.08 @ 13:29:15

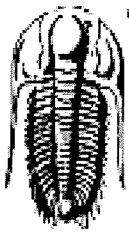
### Tool Information

Drill Pipe:	Length: 3836.00 ft	Diameter: 3.80 inches	Volume: 53.81 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 54.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3977.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	64.00 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			3954.00	
Shut In Tool	5.00			3959.00	
Hydraulic tool	5.00			3964.00	
Jars	5.00			3969.00	
Safety Joint	3.00			3972.00	
Packer	5.00			3977.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			3977.00	
Stubb	1.00			3978.00	
Perforations	34.00			4012.00	
Recorder	0.00	8846	Inside	4012.00	
Recorder	0.00	8737	Outside	4012.00	
Bullnose	5.00			4017.00	40.00 Anchor Tool

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.  
4824 SE 84th St  
New ton KS 67114  
ATTN: Ryan Seib

**15-10s-30w Sheridan,KS**  
**Lisa #1**  
Job Ticket: 61405      **DST#: 3**  
Test Start: 2015.03.08 @ 13:29:15

## 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: 75.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100% m	0.098

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

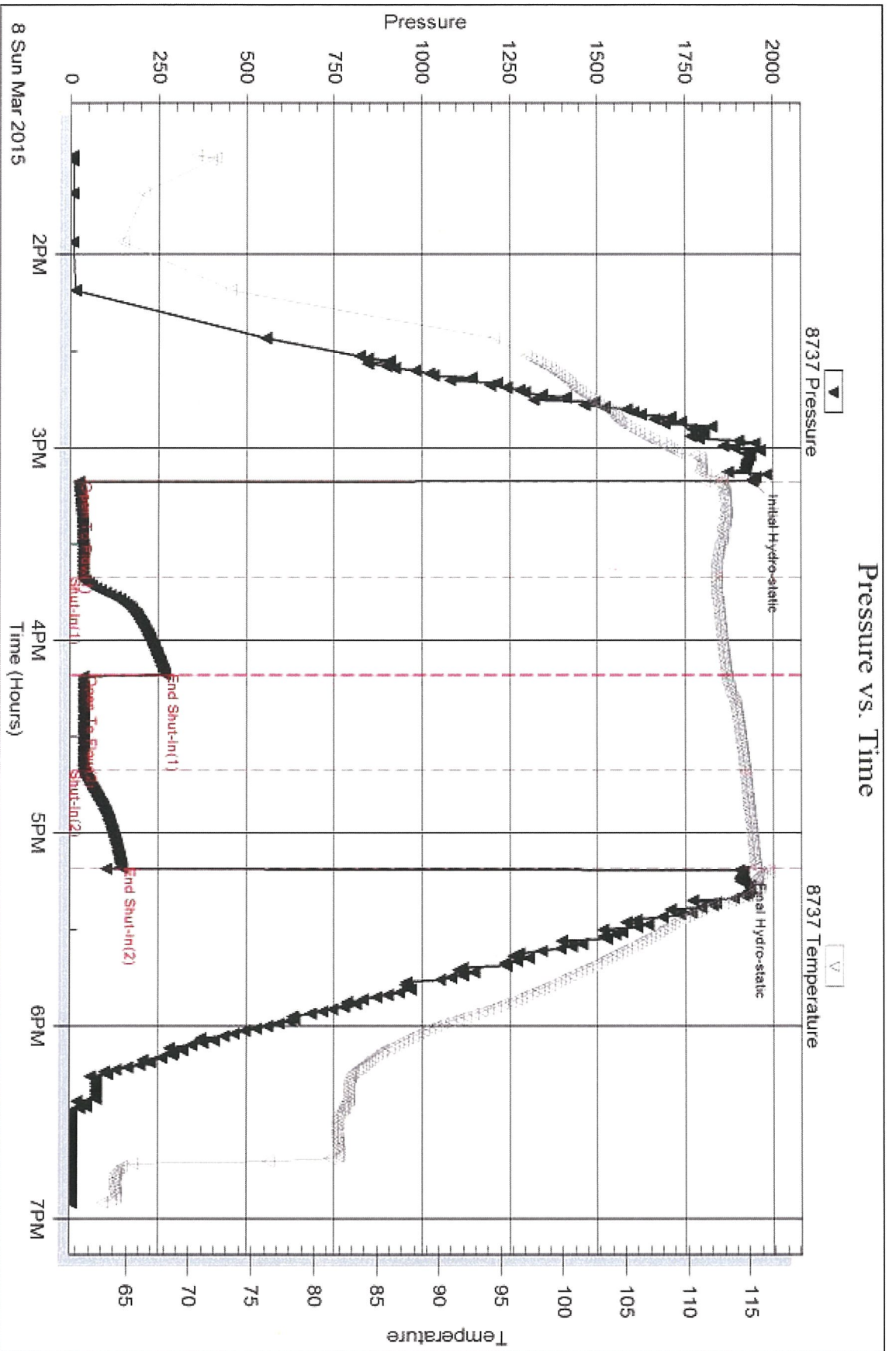
Serial #: 8737

Outside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 61405

Printed: 2015.03.12 @ 11:59:46

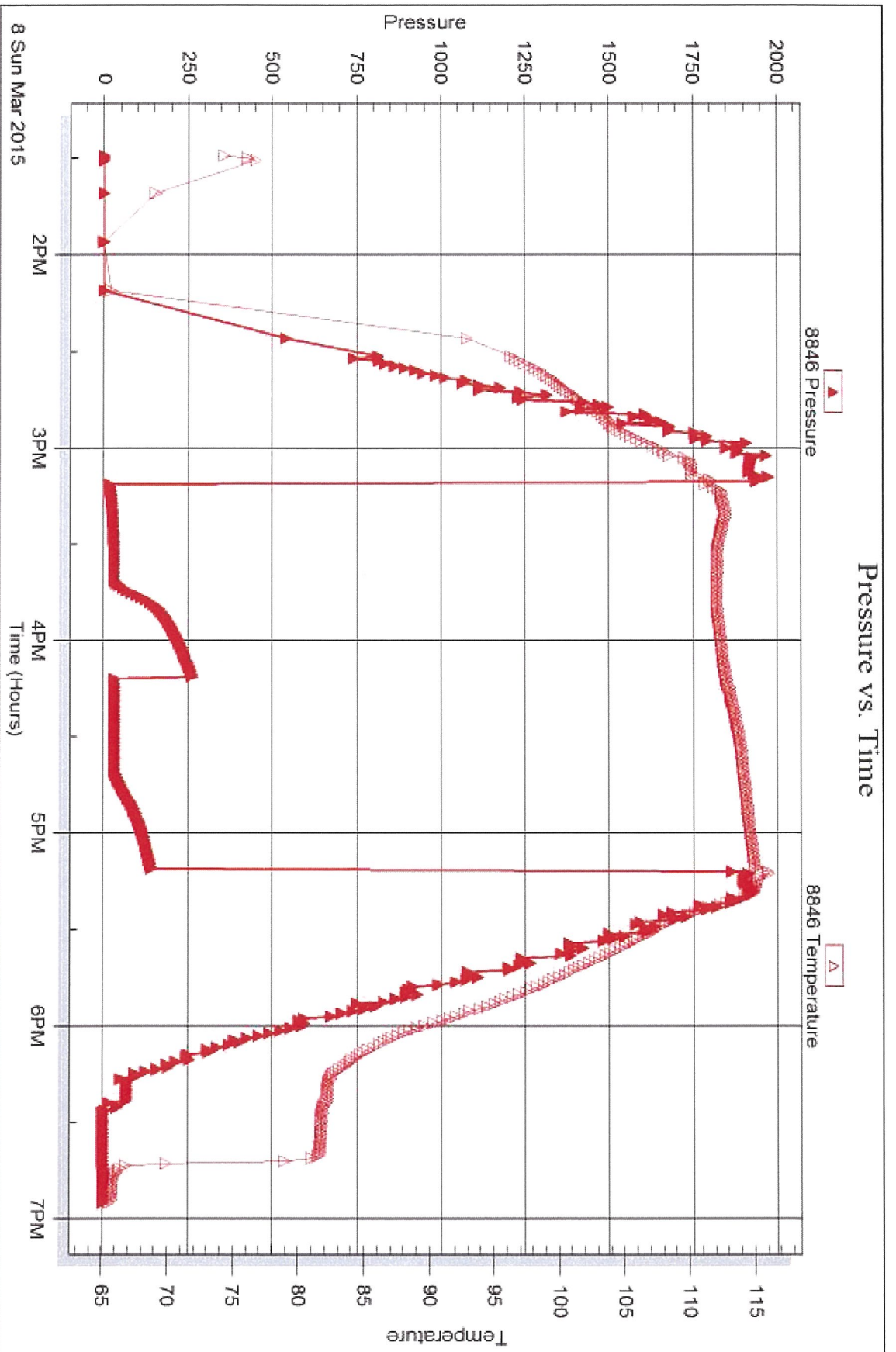
Serial #: 8846

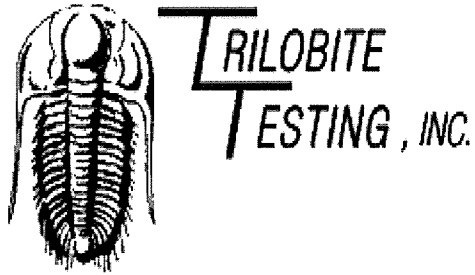
Inside

Palominio Petroleum Inc.

Lisa #1

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4824 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**Lisa #1**

**15-10s-30w Sheridan,KS**

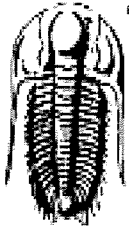
Start Date: 2015.03.09 @ 16:06:15

End Date: 2015.03.09 @ 22:21:00

Job Ticket #: 61406                      DST #: 4

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.03.12 @ 11:59:22



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.  
 4824 SE 84th St  
 Newton KS 67114  
 ATTN: Ryan Seib

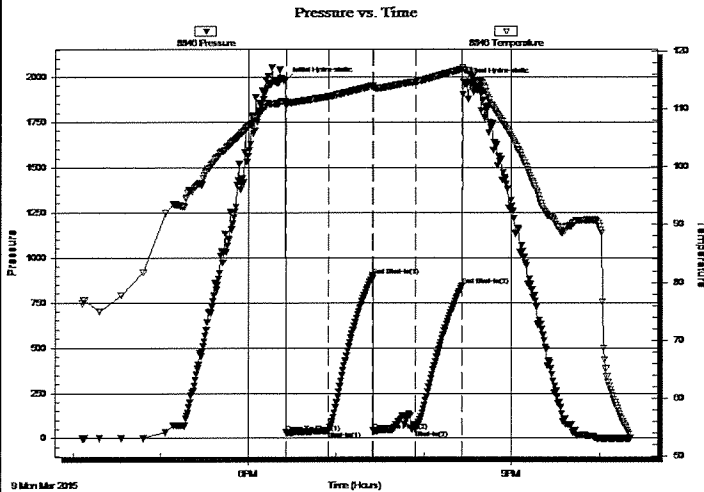
**15-10s-30w Sheridan, KS**  
**Lisa #1**  
 Job Ticket: 61406      **DST#: 4**  
 Test Start: 2015.03.09 @ 16:06:15

## GENERAL INFORMATION:

Formation: **LKC H-J**  
 Deviated: No      Whipstock:      ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 18:25:30      Tester: Mike Roberts  
 Time Test Ended: 22:21:00      Unit No: 65  
 Interval: **4030.00 ft (KB) To 4206.00 ft (KB) (TVD)**      Reference Elevations: 2855.00 ft (KB)  
 Total Depth: 4206.00 ft (KB) (TVD)      2850.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8846**      **Inside**  
 Press@RunDepth: 46.28 psig @ 4041.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.03.09      End Date: 2015.03.09      Last Calib.: 2015.03.09  
 Start Time: 16:06:15      End Time: 22:21:00      Time On Btm: 2015.03.09 @ 18:25:15  
 Time Off Btm: 2015.03.09 @ 20:27:00

TEST COMMENT: IF: Built to 1/2" blow  
 IS: No return blow  
 FF: No blow  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1979.51	111.39	Initial Hydro-static
1	31.16	110.51	Open To Flow (1)
30	38.86	112.09	Shut-In(1)
60	899.24	113.98	End Shut-In(1)
60	41.95	113.72	Open To Flow (2)
89	46.28	114.66	Shut-In(2)
121	843.14	116.85	End Shut-In(2)
122	1974.05	116.84	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud 100% m	0.15

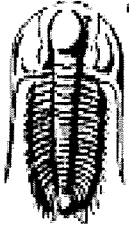
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61406

**DST#: 4**

ATTN: Ryan Seib

Test Start: 2015.03.09 @ 16:06:15

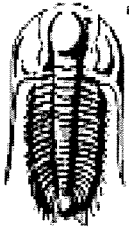
### Tool Information

Drill Pipe:	Length: 3898.00 ft	Diameter: 3.80 inches	Volume: 54.68 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 55.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	4030.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	176.00 ft			
Tool Length:	200.00 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			4007.00	
Shut In Tool	5.00			4012.00	
Hydraulic tool	5.00			4017.00	
Jars	5.00			4022.00	
Safety Joint	3.00			4025.00	
Packer	5.00			4030.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4030.00	
Stubb	1.00			4031.00	
Perforations	10.00			4041.00	
Recorder	0.00	8846	Inside	4041.00	
Recorder	0.00	8737	Outside	4041.00	
Change Over Sub	1.00			4042.00	
Drill Pipe	158.00			4200.00	
Change Over Sub	1.00			4201.00	
Bullnose	5.00			4206.00	176.00 Anchor Tool

**Total Tool Length: 200.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.  
4824 SE 84th St  
New ton KS 67114  
ATTN: Ryan Seib

**15-10s-30w Sheridan,KS**  
**Lisa #1**  
Job Ticket: 61406      **DST#: 4**  
Test Start: 2015.03.09 @ 16:06:15

## 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: 69.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud 100% m	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

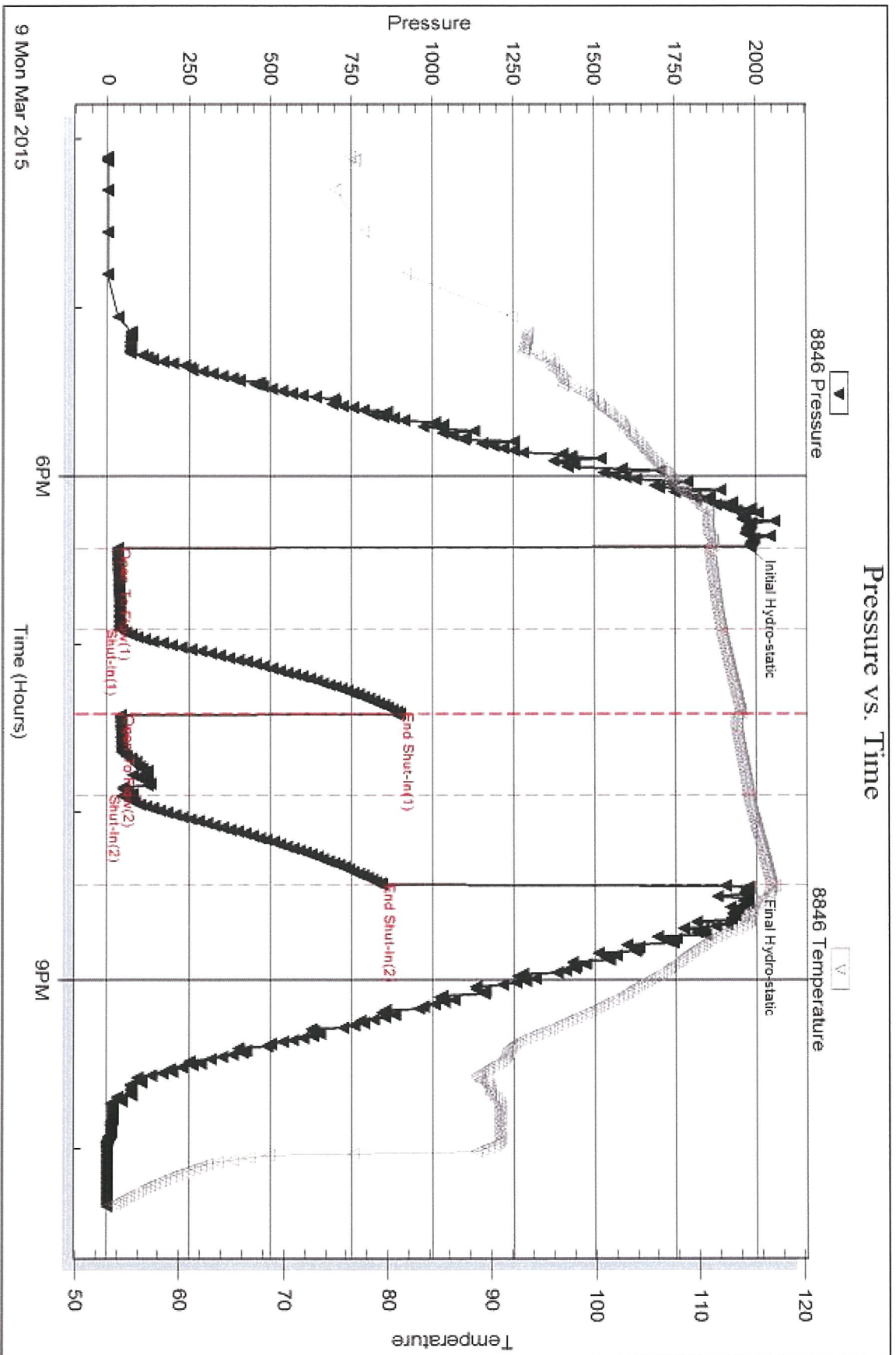
Serial #: 8846

Inside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 4



Tripoble Testing, Inc

Ref. No: 61406

Printed: 2015.03.12 @ 11:59:24

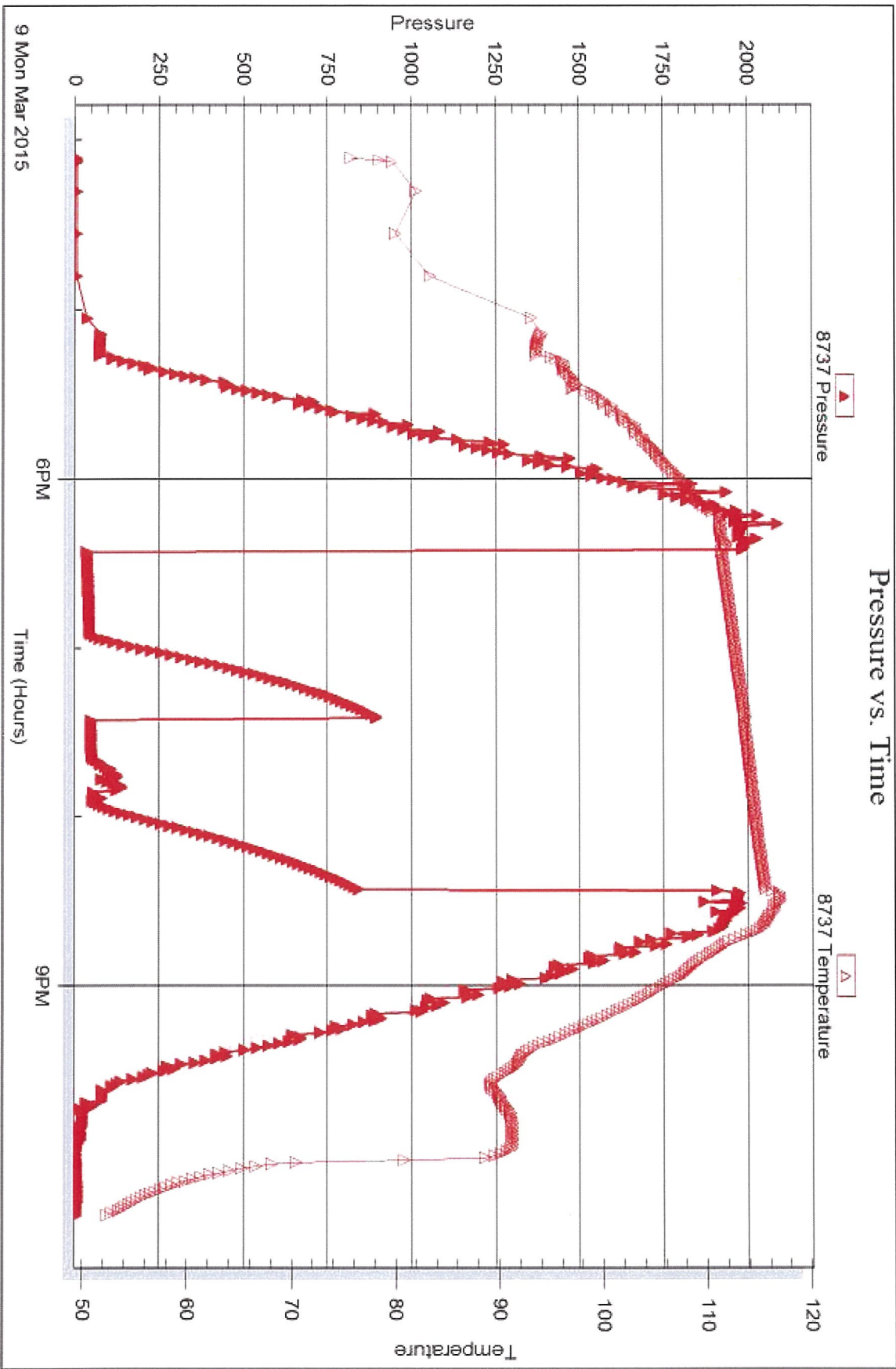
Serial #: 8737

Outside

Palomino Petroleum Inc.

Lisa #1

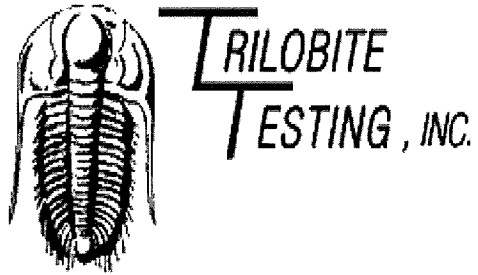
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 61406

Printed: 2015.03.12 @ 11:59:24



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4824 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**Lisa #1**

**15-10s-30w Sheridan,KS**

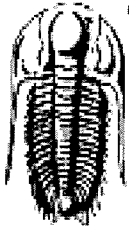
Start Date: 2015.03.10 @ 08:39:15

End Date: 2015.03.10 @ 14:37:00

Job Ticket #: 61407                      DST #: 5

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.03.12 @ 11:54:51



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61407

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2015.03.10 @ 08:39:15

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:40:45

Time Test Ended: 14:37:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4185.00 ft (KB) To 4300.00 ft (KB) (TVD)**

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

2850.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 75.76 psig @ 4187.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.10

End Date: 2015.03.10

Last Calib.: 2015.03.10

Start Time: 08:39:15

End Time: 14:37:00

Time On Btm: 2015.03.10 @ 10:40:30

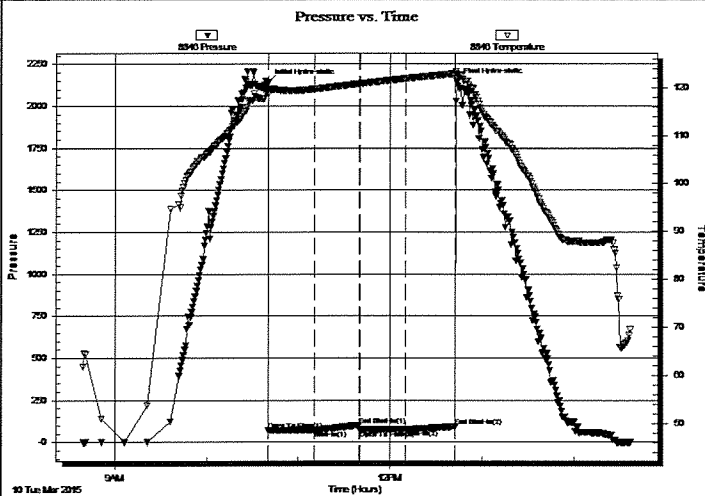
Time Off Btm: 2015.03.10 @ 12:43:30

TEST COMMENT: IF:Built to weak surface blow and died in 20 min.

IS:No return blow

FF:No blow

FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.50	119.36	Initial Hydro-static
1	69.58	118.74	Open To Flow (1)
31	73.88	119.68	Shut-In(1)
60	100.68	120.79	End Shut-In(1)
60	73.70	120.79	Open To Flow (2)
90	75.76	121.87	Shut-In(2)
123	93.90	122.93	End Shut-In(2)
123	2146.01	122.77	Final Hydro-static

## Recovery

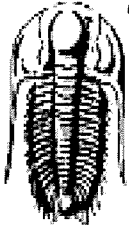
Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61407

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2015.03.10 @ 08:39:15

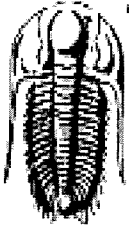
### Tool Information

Drill Pipe:	Length: 4053.00 ft	Diameter: 3.80 inches	Volume: 56.85 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 57.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	4185.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	115.00 ft			
Tool Length:	139.00 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			4162.00	
Shut In Tool	5.00			4167.00	
Hydraulic tool	5.00			4172.00	
Jars	5.00			4177.00	
Safety Joint	3.00			4180.00	
Packer	5.00			4185.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4185.00	
Stubb	1.00			4186.00	
Perforations	1.00			4187.00	
Recorder	0.00	8846	Inside	4187.00	
Recorder	0.00	8737	Outside	4187.00	
Change Over Sub	1.00			4188.00	
Drill Pipe	96.00			4284.00	
Change Over Sub	1.00			4285.00	
Perforations	10.00			4295.00	
Bullnose	5.00			4300.00	115.00 Anchor Tool
<b>Total Tool Length:</b>	<b>139.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61407

**DST#: 5**

ATTN: Ryan Seib

Test Start: 2015.03.10 @ 08:39:15

### 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: 70.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8846

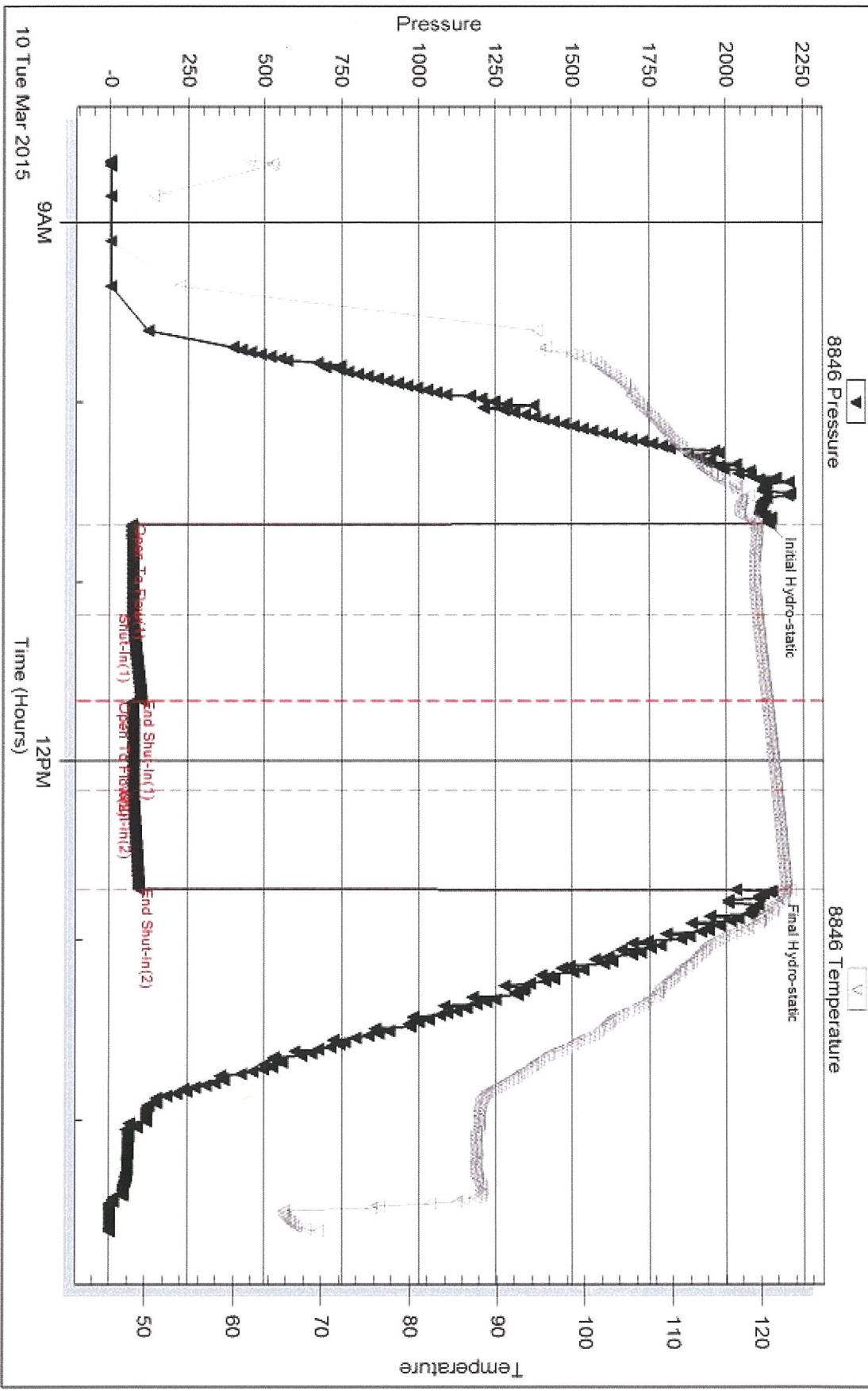
Inside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 5

### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 61407

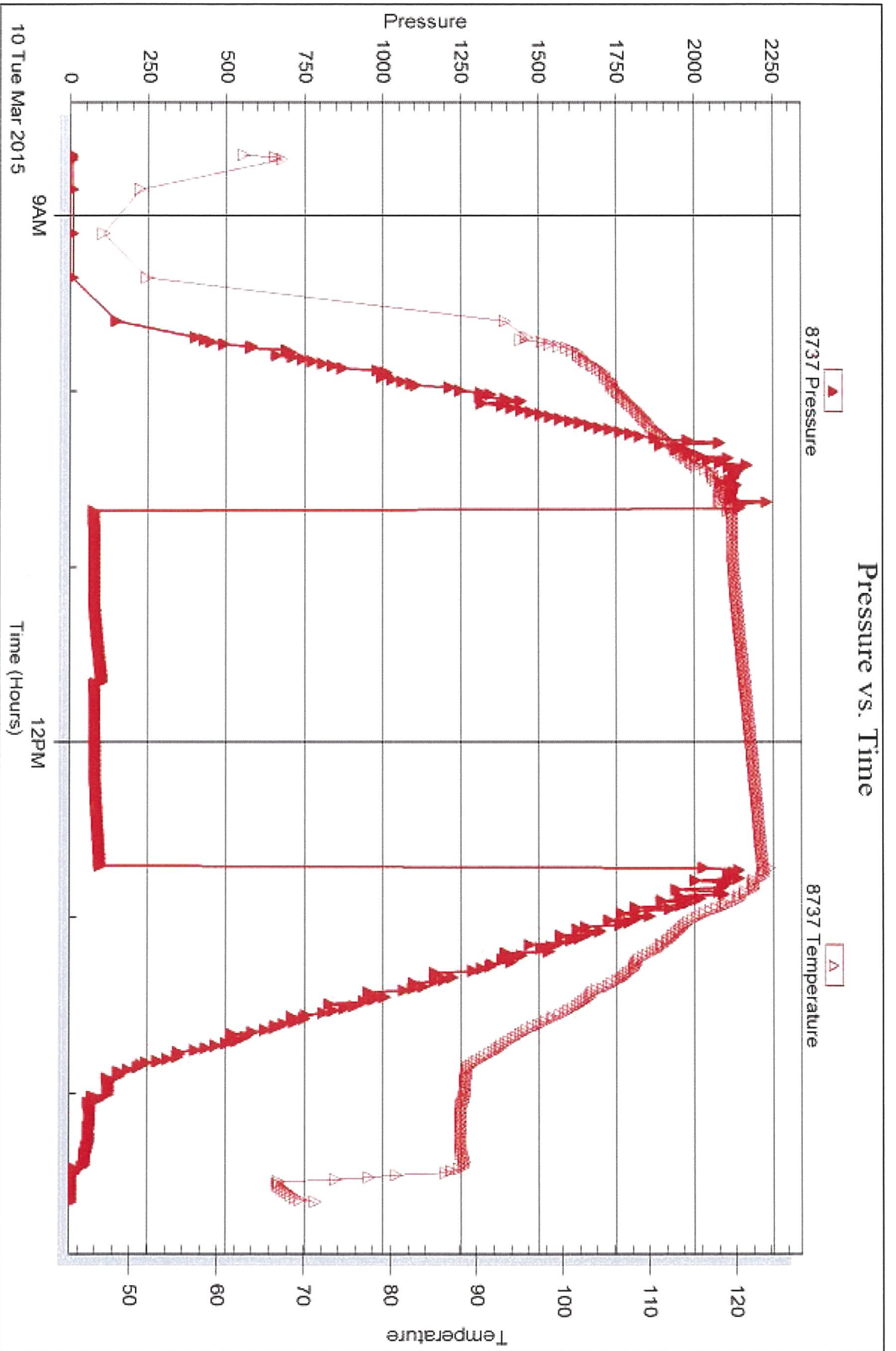
Printed: 2015.03.12 @ 11:54:55

Serial #: 8737

Outside Palomino Petroleum Inc.

Lisa #1

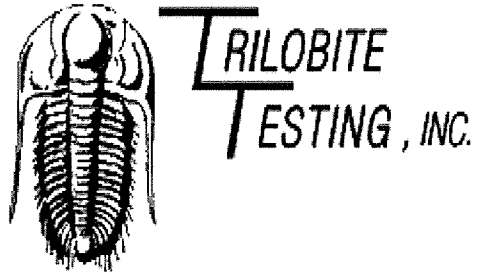
DST Test Number: 5



Tribble Testing, Inc

Ref. No: 61407

Printed: 2015.03.12 @ 11:54:56



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4824 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**Lisa #1**

**15-10s-30w Sheridan,KS**

Start Date: 2015.03.11 @ 12:32:15

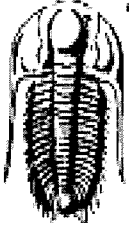
End Date: 2015.03.11 @ 18:40:00

Job Ticket #: 61408                      DST #: 6

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.03.12 @ 11:45:06

Palomino Petroleum Inc. 15-10s-30w Sheridan,KS Lisa #1 DST # 6 Marmaton 2015.03.11



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**15-10s-30w Sheridan,KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61408

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2015.03.11 @ 12:32:15

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:23:00

Time Test Ended: 18:40:00

Test Type: Conventional Straddle (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4275.00 ft (KB) To 4326.00 ft (KB) (TVD)**

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4517.00 ft (KB) (TVD)

2850.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8846**

**Inside**

Press@RunDepth: 103.33 psig @ 4279.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.11

End Date: 2015.03.11

Last Calib.: 2015.03.11

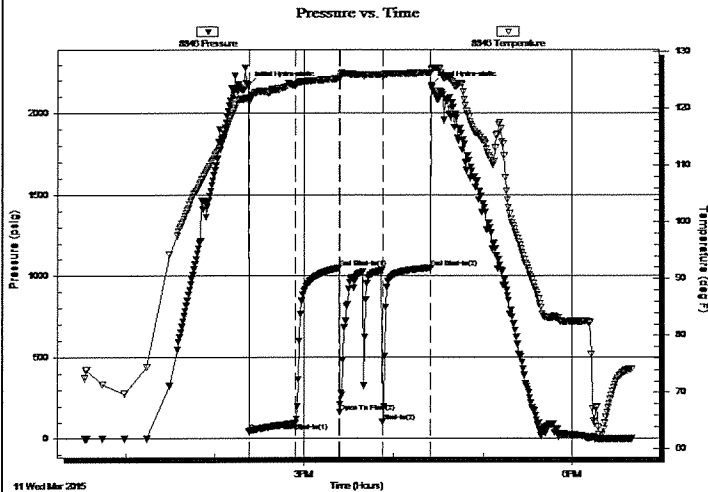
Start Time: 12:32:15

End Time: 18:40:00

Time On Btm: 2015.03.11 @ 14:22:45

Time Off Btm: 2015.03.11 @ 16:25:15

TEST COMMENT: IF:Built to 2" blow  
IS:No return blow  
FF:No blow  
FS:No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2171.97	121.90	Initial Hydro-static
1	44.28	120.98	Open To Flow (1)
32	94.45	124.05	Shut-In(1)
61	1048.19	125.22	End Shut-In(1)
62	160.13	125.61	Open To Flow (2)
90	103.33	125.48	Shut-In(2)
122	1049.12	126.30	End Shut-In(2)
123	2170.93	126.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud 100% m	0.59

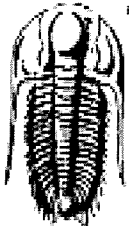
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**15-10s-30w Sheridan, KS**

4824 SE 84th St  
New ton KS 67114

**Lisa #1**

Job Ticket: 61408

**DST#: 6**

ATTN: Ryan Seib

Test Start: 2015.03.11 @ 12:32:15

### Tool Information

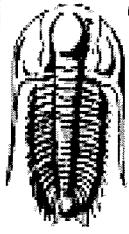
Drill Pipe:	Length: 4157.00 ft	Diameter: 3.80 inches	Volume: 58.31 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 58.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4275.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	4323.00 ft			
Interval between Packers:	48.00 ft			
Tool Length:	264.00 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			4252.00	
Shut In Tool	5.00			4257.00	
Hydraulic tool	5.00			4262.00	
Jars	5.00			4267.00	
Safety Joint	3.00			4270.00	
Packer	5.00			4275.00	24.00 Bottom Of Top Packer
Packer - Shale	0.00			4275.00	
Stubb	1.00			4276.00	
Perforations	2.00			4278.00	
Change Over Sub	1.00			4279.00	
Recorder	0.00	8846	Inside	4279.00	
Recorder	0.00	8737	Outside	4279.00	
Drill Pipe	32.00			4311.00	
Change Over Sub	1.00			4312.00	
Perforations	10.00			4322.00	
Blank Off Sub	1.00			4323.00	
Packer	3.00			4326.00	48.00 Tool Interval
Packer	0.00			4326.00	
Stubb	1.00			4327.00	
Perforations	26.00			4353.00	
Change Over Sub	1.00			4354.00	
Recorder	0.00	8646	Below	4354.00	
Drill Pipe	158.00			4512.00	
Change Over Sub	1.00			4513.00	
Bullnose	2.00			4515.00	192.00 Bottom Packers & Anchor

**Total Tool Length: 264.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.  
4824 SE 84th St  
New ton KS 67114  
ATTN: Ryan Seib

**15-10s-30w Sheridan,KS**  
**Lisa #1**  
Job Ticket: 61408      **DST#: 6**  
Test Start: 2015.03.11 @ 12:32:15

## 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: 73.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	mud 100% m	0.590

Total Length: 120.00 ft      Total Volume: 0.590 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

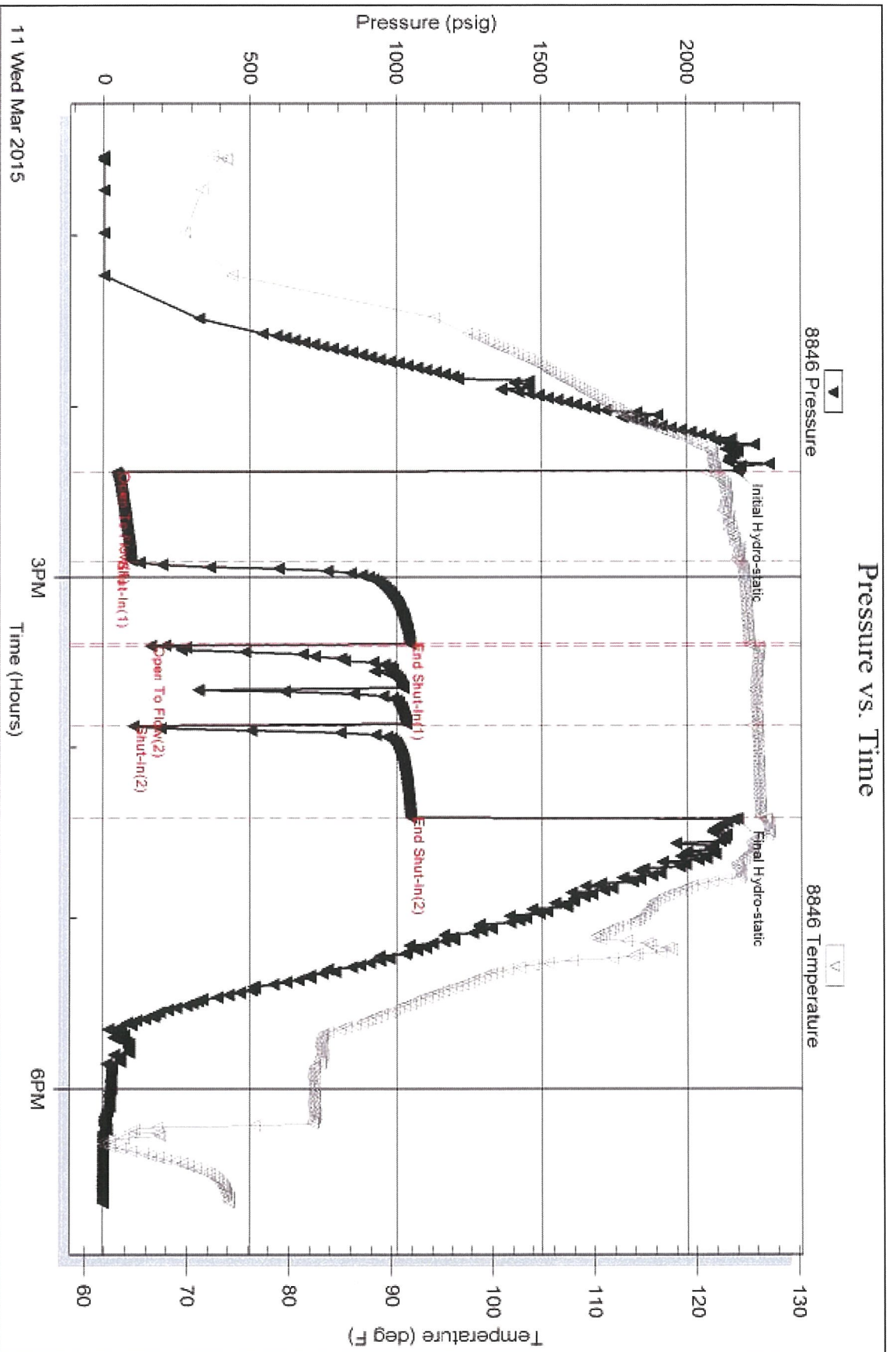
Serial #: 8846

Inside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 6



Tribble Testing, Inc

Ref. No: 61408

Printed: 2015.03.12 @ 11:45:08

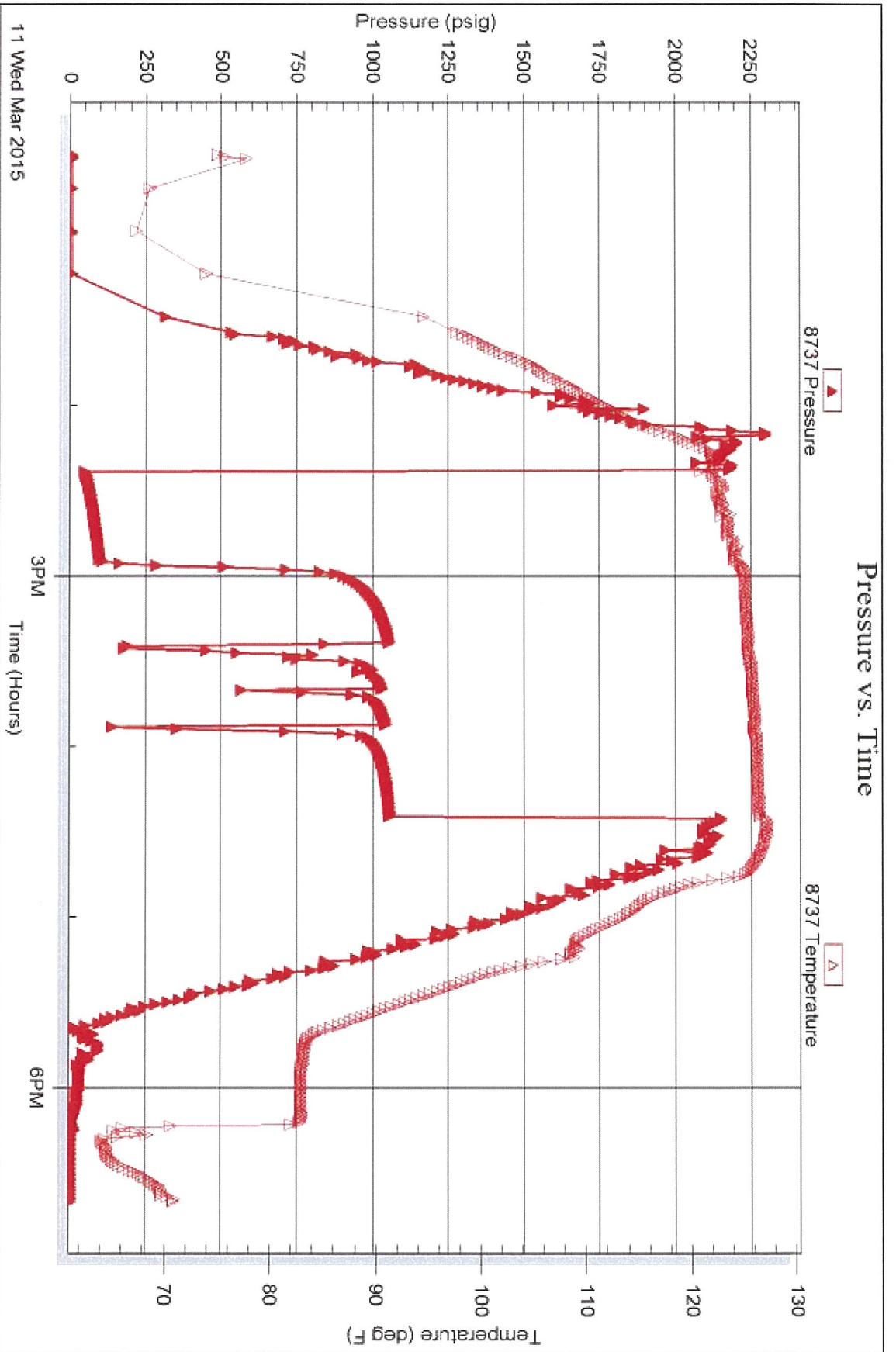
Serial #: 8737

Outside

Palomino Petroleum Inc.

Lisa #1

DST Test Number: 6



Triobite Testing, Inc

Ref. No: 61408

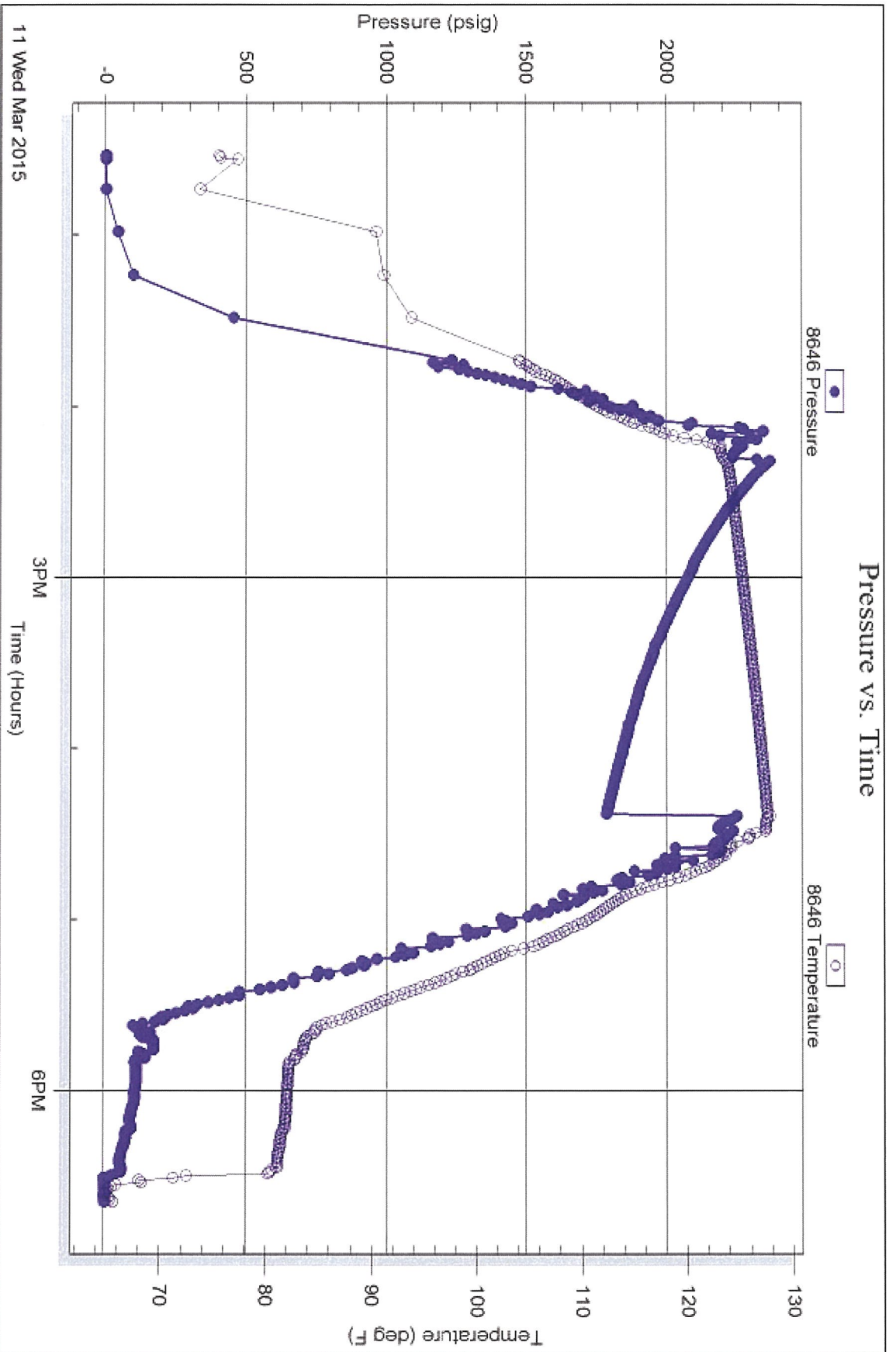
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Serial #: 8646

Below (Str-Rathjho Petroleum Inc.

Lisa #1

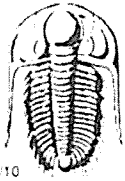
DST Test Number: 6



Tribble Testing, Inc

Ref. No: 61408

Printed: 2015.03.12 @ 11:45:08



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61403

Well Name & No. Lisa #1 Test No. 1 Date 3-6-15  
 Company Palomino Petroleum Inc Elevation 2855 KB 2850 GL  
 Address 4824 SE 84<sup>th</sup> ST Newton KS 67114  
 Co. Rep / Geo. Ryan Seb Rig WW 6  
 Location: Sec. 15 Twp. 10S Rge. 30 Co. Grove State KS

Interval Tested 3573-3634 Zone Tested Tarkio  
 Anchor Length 61 Drill Pipe Run 3457 Mud Wt. 8.7  
 Top Packer Depth 3568 Drill Collars Run 120 Vis 65  
 Bottom Packer Depth ~~3574~~ 3573 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3634 Chlorides 1100 ppm System LCM 3  
 Blow Description IF: Built to 4 1/2" Blow  
IS: No Return Blow  
FF: Built to 4" Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>122</u>	Feet of <u>MUD</u>			<u>100</u>	
<u>60</u>	Feet of <u>MCW</u>		<u>50</u>	<u>50</u>	
	Feet of				
	Feet of				
	Feet of				

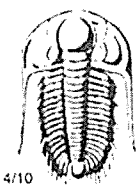
Rec Total 182 BHT 112 Gravity API RW .34 @ 38 °F Chlorides 50000 ppm

(A) Initial Hydrostatic 1698  Test \$1050.00 T-On Location 16:00  
 (B) First Initial Flow 39  Jars \$250.00 T-Started 17:35  
 (C) First Final Flow 97  Safety Joint 75.00 T-Open 19:48  
 (D) Initial Shut-In 1061  Circ Sub NL T-Pulled 21:48  
 (E) Second Initial Flow 100  Hourly Standby \_\_\_\_\_ T-Out 23:52  
 (F) Second Final Flow 118  Mileage 130 RT \$130.00 Comments \_\_\_\_\_  
 (G) Final Shut-In 1031  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1662  Straddle \_\_\_\_\_  
 Shale Packer \$250.00  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1755  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_

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

Approved By [Signature] Our Representative [Signature]  
 Sub Total \$1755.00

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. 61404

Well Name & No. Lisa #1 Test No. 2 Date 3-7-15  
 Company Palomino Petroleum Inc Elevation 2855 KB 2850 GL  
 Address 4824 SE 84th St Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW6  
 Location: Sec. 15 Twp. 10S Rge. 30 Co. Gove State KS

Interval Tested 3914-3960 Zone Tested Lansing A-B-C  
 Anchor Length 46' Drill Pipe Run 3772 Mud Wt. 8.9  
 Top Packer Depth 3909 Drill Collars Run 120 Vis 62  
 Bottom Packer Depth 3914 Wt. Pipe Run Ø WL 7.2  
 Total Depth 3960 Chlorides 1800 ppm System LCM 2  
 Blow Description IF: BOB in 17 Min  
IS: NO Return Blow  
FF: BOB in 19 Min  
FS: NO Return Blow

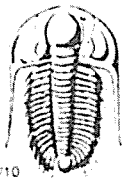
Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>Feet of MCW with oil spots</u>		<u>50</u>	<u>50</u>	
<u>182</u>	<u>Feet of SW</u>		<u>100</u>		

Rec Total 386 BHT 123 Gravity — API RW 138 @ 31.4° F Chlorides 50000 ppm  
 (A) Initial Hydrostatic 1908  Test \$1050.00 T-On Location 18:40  
 (B) First Initial Flow 25  Jars \$250.00 T-Started 22:27  
 (C) First Final Flow 135  Safety Joint 75.00 T-Open 00:17  
 (D) Initial Shut-In 1252  Circ Sub NC T-Pulled 02:17  
 (E) Second Initial Flow 140  Hourly Standby \_\_\_\_\_ T-Out 04:13  
 (F) Second Final Flow 212  Mileage 130 RT = \$130.00 Comments \_\_\_\_\_  
 (G) Final Shut-In 1244  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1871  Straddle \_\_\_\_\_  
 Shale Packer \$250.00  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1755  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total \$1755.00

Approved By \_\_\_\_\_

Our Representative Mike Roberts

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. 61405

Well Name & No. Lisa #1 Test No. 3 Date 3-8-15  
 Company Palomino Petroleum Inc Elevation 2855 KB 2850 GL  
 Address 4824 SE 84th St. Newton KS 67114  
 Co. Rep / Geo. Ryan Scib Rig \_\_\_\_\_  
 Location: Sec. 15 Twp. 10S Rge. 30 Co. Sheridan State KS

Interval Tested 3977-4017 Zone Tested Lansing E-F-G  
 Anchor Length 40 Drill Pipe Run 3836 Mud Wt. 9.1  
 Top Packer Depth 3972 Drill Collars Run 120 Vis 75  
 Bottom Packer Depth 3977 Wt. Pipe Run φ WL 5.2  
 Total Depth 4017 Chlorides 2200 ppm System LCM 1  
 Blow Description IF: Built to 1" Blow  
IS: NO Return Blow  
FF: NO Blow  
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</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 Total 20 BHT 124 Gravity ✓ API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<u>1941</u>	<input checked="" type="checkbox"/> Test	<u>\$1150.00</u>	T-On Location	<u>12:30</u>
(B) First Initial Flow	<u>23</u>	<input checked="" type="checkbox"/> Jars	<u>\$250.00</u>	T-Started	<u>13:29</u>
(C) First Final Flow	<u>36</u>	<input checked="" type="checkbox"/> Safety Joint	<u>\$75.00</u>	T-Open	<u>15:10</u>
(D) Initial Shut-In	<u>268</u>	<input checked="" type="checkbox"/> Circ Sub	<u>NC</u>	T-Pulled	<u>17:10</u>
(E) Second Initial Flow	<u>37</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>18:54</u>
(F) Second Final Flow	<u>38</u>	<input checked="" type="checkbox"/> Mileage	<u>130 RT 130.00</u>	Comments	
(G) Final Shut-In	<u>147</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1902</u>	<input type="checkbox"/> Straddle			

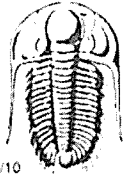
Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer	
Initial Shut-In	<u>30</u>	<input type="checkbox"/> Ruined Packer	
Final Flow	<u>30</u>	<input type="checkbox"/> Extra Packer	
Final Shut-In	<u>30</u>	<input type="checkbox"/> Extra Recorder	
		<input type="checkbox"/> Day Standby	
		<input type="checkbox"/> Accessibility	
Sub Total	<u>\$1605.00/-</u>	<input type="checkbox"/> Ruined Shale Packer	
		<input type="checkbox"/> Ruined Packer	
		<input type="checkbox"/> Extra Copies	
		Sub Total	<u>0</u>
		Total	<u>1605</u>
		MP/DST Disc't	

Approved By [Signature]

Our Representative Mike Roberts

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. 61406

Well Name & No. Lisa #1 Test No. 4 Date 3-9-15  
 Company Palomina Petroleum Inc Elevation 2855 KB 2850 GL  
 Address 4824 SE 84th St Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig \_\_\_\_\_  
 Location: Sec. 15 Twp. 10S Rge. 30 Co. Sheridan State KS

Interval Tested 4030-4204 Zone Tested Lansing H-I-J  
 Anchor Length 174 Drill Pipe Run 3898 Mud Wt. 9.3  
 Top Packer Depth 4025 Drill Collars Run 120 Vis 69  
 Bottom Packer Depth 4030 Wt. Pipe Run Ø WL 6.2  
 Total Depth 4204 Chlorides 2000 ppm System LCM 2  
 Blow Description IF: Built to 1/2" Blow  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</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

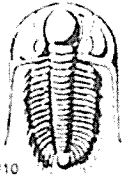
Rec Total 30 BHT 124 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1979</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00</u>	T-On Location <u>15:25</u>
(B) First Initial Flow <u>31</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00</u>	T-Started <u>16:06</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u>	T-Open <u>18:25</u>
(D) Initial Shut-In <u>899</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>20:25</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:21</u>
(F) Second Final Flow <u>46</u>	<input checked="" type="checkbox"/> Mileage <u>130 RT \$130.00</u>	Comments _____
(G) Final Shut-In <u>843</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1974</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>\$250.00</u>	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1855</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>\$1855.00</u>	

Approved By [Signature] Our Representative [Signature]

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





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61407

Well Name & No. Lisa #1 Test No. 5 Date 3-10-15  
 Company Palomino Petroleum Inc Elevation 2855 KB 2850 GL  
 Address 4824 SE 84th ST Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig \_\_\_\_\_  
 Location: Sec. 15 Twp. 10S Rge. 30 Co. Sheridan State KS

Interval Tested 4185-4300 Zone Tested Marmaton  
 Anchor Length 115 Drill Pipe Run 4053 Mud Wt. 9.4  
 Top Packer Depth 4180 Drill Collars Run 120 Vis 70  
 Bottom Packer Depth 4185 Wt. Pipe Run Ø WL 5.4  
 Total Depth 4300 Chlorides 2000 ppm System LCM 1  
 Blow Description IF: Built to weak surface Blow & Died in 20 Min  
IS: No Return Blow  
FF: NO Blow  
FS: No Return Blow

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 127 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2140  
 (B) First Initial Flow 69  
 (C) First Final Flow 73  
 (D) Initial Shut-In 100  
 (E) Second Initial Flow 73  
 (F) Second Final Flow 75  
 (G) Final Shut-In 93  
 (H) Final Hydrostatic 2146

Test \$1150.00  
 Jars \$250.00  
 Safety Joint \$75.00  
 Circ Sub \_\_\_\_\_  
 Hourly Standby \_\_\_\_\_  
 Mileage 130RT \$130.00  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_

T-On Location 07:50  
 T-Started 08:39  
 T-Open 10:40  
 T-Pulled 12:40  
 T-Out 14:37

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

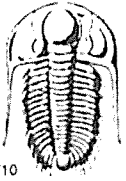
Shale Packer \$250.00  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Comments \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0  
 Total 1855  
 MP/DST Disc't \_\_\_\_\_

Sub Total 1855

Approved By \_\_\_\_\_ Our Representative Mike Roberts

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61408

Well Name & No. Lisa #1 Test No. 6 Date 3-11-15  
 Company Palomino Petroleum Inc Elevation 2855 KB 2850 GL  
 Address 4824 SE 84th ST Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WL06  
 Location: Sec. 15 Twp. 10S Rge. 30 Co. Sheridan State KS

Interval Tested 4275-4326 Tail 192 Zone Tested Marmaton  
 Anchor Length 51 Drill Pipe Run 4157 Mud Wt. 9.4  
 Top Packer Depth 4270 Drill Collars Run 120 Vis 73  
 Bottom Packer Depth 4275 Wt. Pipe Run Ø WL 516  
 Total Depth 4517 Chlorides 2100 ppm System LCM 1  
 Blow Description IF: Built to 2" Blow  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</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 Total 120 BHT 127 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2171</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>11:45</u>
(B) First Initial Flow <u>44</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>12:32</u>
(C) First Final Flow <u>94</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>14:23</u>
(D) Initial Shut-In <u>1048</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>16:23</u>
(E) Second Initial Flow <u>160</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>18:40</u>
(F) Second Final Flow <u>103</u>	<input checked="" type="checkbox"/> Mileage <u>130 RT 130.00</u>	Comments
(G) Final Shut-In <u>1049</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2170</u>	<input checked="" type="checkbox"/> Straddle <u>600.00</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<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>2455</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2455.00</u>	

Approved By \_\_\_\_\_ Our Representative Mike Roberts

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7223 Parkway Dr. Suite 210  
 Hanover, MD 21076  
 (410) 712-0082

Invoice No.	5050901
Invoice Date	05/31/2015
Month of Service	May
Account #	08-PALOMI1
PO #	

PALOMINO PETROLEUM INC  
 KLEE WATCHOUS  
 4924 SE 84TH ST  
 NEWTON, KS 67114-8827

Current Costs associated with your participation in KANSAS ONE-CALL.

Description	Amount
Regular Locate Fee: 1 Locates at \$1.00	\$1.00
<b>TOTAL:</b>	<b>\$1.00</b>

Terminal	Tickets	Terminal	Tickets	Terminal	Tickets	Terminal	Tickets	Terminal	Tickets
PALOMI01	1								

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**REMITTANCE COPY**

Account Number:	08-PALOMI1
Invoice Number:	5050901
Invoice Date:	05/31/2015
Amount Due:	\$1.00

**Make Check Payable to:** Kansas One-Call System, Inc  
 P.O. Box 676245  
 Dallas, TX 75267-6245