



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone: 785-324-1041 fax: 785-483-1087  
 Email: cementing@ruraltel.net

Date: 7/30/2015  
 Invoice # 1480

RECEIVED  
 AUG 06 2015

P.O.#:  
 Due Date: 8/29/2015  
 Division: Russell

# Invoice

**Contact:**  
 Palomino Petroleum Inc  
**Address/Job Location:**  
 Palomino Petroleum Inc  
 4924 SE 84th  
 Newton Ks 67114

**Reference:**  
 RAINBOW TROUT FARMS 1

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 620.74	No				
Common-Class A	72	\$ 1,015.20	Yes				
POZ Mix-Standard	48	\$ 285.40	Yes				
Bulk Truck Matl-Material Service Charge	200	\$ 169.88	No				
Pump Truck Mileage-Job to Nearest Camp	35	\$ 163.51	No				
Calcium Chloride	3	\$ 141.83	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	35	\$ 104.05	No				
Premium Gel (Bentonite)	4	\$ 55.31	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 2,555.92  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (63.90)

SubTotal for Taxable Items:	\$ 1,460.30
SubTotal for Non-Taxable Items:	\$ 1,031.73
<b>Total:</b>	<b>\$ 2,492.02</b>
<b>Tax:</b>	<b>\$ 124.13</b>

8.50% Gove County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 2,616.15**  
**Applied Payments:**  
**Balance Due: \$ 2,616.15**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
 This does not include any applicable taxes unless it is listed.  
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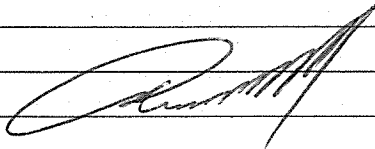
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1438

Date	7-30-15	Sec.	32	Twp.	15	Range	10	County	<del>Ellsworth</del> Ellsworth	State	KS	On Location		Finish	3:30PM		
Lease								Zvolanek		Well No.		A 4		Owner		AZ	
Contractor								Classic		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job								Plug		Charge To						Mark Connell	
Hole Size								T.D.		Street							
Csg.								5 1/2		Depth							
Tbg. Size								2 3/8		City						State	
Tool								Depth		The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered						200sx 60/40, 4%, 5cc on the	
Meas Line								Displace		side used 120							
<b>EQUIPMENT</b>														Common		72	
Pumptrk		17		No.		Cementer		Helper		Nick		Poz. Mix		48			
Bulktrk		14		No.		Driver		Driver		Billy		Gel.		4			
Bulktrk		P4		No.		Driver		Driver		Trans		Calcium		3			
<b>JOB SERVICES &amp; REMARKS</b>														Hulls			
Remarks:								Salt									
Rat Hole								Flowseal									
Mouse Hole								Kol-Seal									
Centralizers								Mud CLR 48									
Baskets								CFL-117 or CD110 CAF 38									
D/V or Port Collar								Sand									
25sx at 3241								Handling		200							
40sx 2%cc at 1425								Mileage									
<b>FLOAT EQUIPMENT</b>																	
25sx at 825								Guide Shoe									
25sx at 425 to circulate								Centralizer									
5sx to top off 5 1/2								Baskets									
								AFU Inserts									
								Float Shoe									
								Latch Down									
								Pumptrk Charge		plug							
								Mileage		35							
Tax																	
Discount																	
Total Charge																	
X Signature																	

RECEIVED

AUG 10 2015



**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
Phone:785-324-1041 fax:785-483-1087  
Email: cementing@ruraltel.net

Date: 8/6/2015  
Invoice # 1482

P.O.#:

Due Date: 9/5/2015

Division: *Russell*

# Invoice

**Contact:**

Palomino Petroleum Inc  
**Address/Job Location:**  
Palomino Petroleum Inc  
4924 SE 84th  
Newton Ks 67114

**Reference:**

RAINBOW TROUT FARMS 1

**Description of Work:**

PLUG JOB

**Services / Items Included:**

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 606.13	Yes				
Common-Class A	144	\$ 1,982.63	Yes				
POZ Mix-Standard	96	\$ 557.36	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 206.52	Yes				
Pump Truck Mileage-Job to Nearest Camp	40	\$ 182.47	Yes				
Premium Gel (Bentonite)	9	\$ 121.53	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 116.12	Yes				
Flo Seal	60	\$ 99.53	Yes				
Dry Hole Plug	1	\$ 46.45	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 3,918.74

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (97.97)

SubTotal for Taxable Items: \$ 3,820.77

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,820.77

Tax: \$ 324.77

8.50% Gove County Sales Tax

**Thank You For Your Business!**

**Amount Due: \$ 4,145.54**  
**Applied Payments:**  
**Balance Due: \$ 4,145.54**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1482

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-5-15	4	15	26	Leave	KS		7:00 PM

Location Quarter 205# 3E to 280 3N W into

Lease	Well No. 1	Owner	
<u>Rainbow Trout Farms</u>		To Quality Oilwell Cementing, Inc.	
Contractor		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
<u>W W #6</u>			
Type Job		Charge To	
<u>Rotary Plug</u>		<u>Palomino Petroleum</u>	
Hole Size	T.D.	Street	
<u>7 7/8</u>	<u>4309</u>		
Csg.	Depth	City	
		State	
Tbg. Size	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Tool	Depth	Cement Amount Ordered <u>240 60/40 4 1/2 65L 1/4 #10</u>	
Cement Left in Csg.	Shoe Joint		

Meas Line	Displace	Common
		<u>144</u>
<b>EQUIPMENT</b>		Poz. Mix
Pumptrk	No. Cementer	<u>96</u>
<u>18</u>	<u>Craig</u>	
	Helper	
	Driver	
Bulktrk	No. Driver	Gel.
	<u>NICK</u>	<u>9</u>
	Driver	Calcium
Bulktrk	No. Driver	
<u>15</u>	<u>Travis</u>	

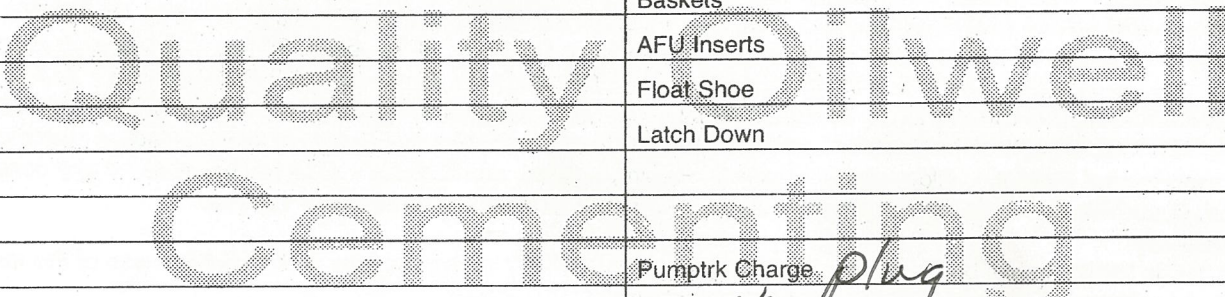
<b>JOB SERVICES &amp; REMARKS</b>		Hulls
Remarks:		Salt
Rat Hole	<u>305K</u>	Flowseal <u>60A</u>
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand

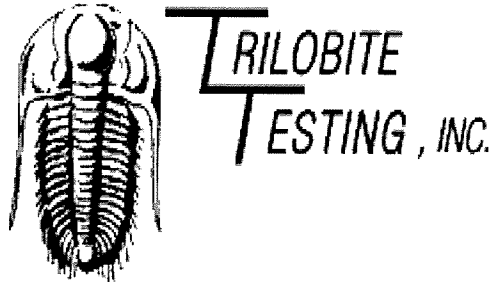
1st	1780	505K	Handling	<u>249</u>
2nd	720	1005K	Mileage	
3rd	270	505K		
4th	40	105K		

<b>FLOAT EQUIPMENT</b>	
Guide Shoe	<u>8 5/8 Dry Hole Plug</u>
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	<u>plug</u>
Mileage	<u>40</u>

Signature	<u>Mark Bize</u>	Tax
		Discount
		Total Charge





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**4-15s-26w Gove,KS**

**Rainbow Trout Farms #1**

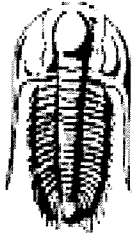
Start Date: 2015.08.03 @ 16:15:00

End Date: 2015.08.03 @ 22:41:45

Job Ticket #: 64708                      DST #: 1

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

Printed: 2015.08.05 @ 14:55:16



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**Rainbow Trout Farms #1**  
**4-15s-26w Gove,KS**  
Job Ticket: 64708      DST#: 1  
Test Start: 2015.08.03 @ 16:15:00

## GENERAL INFORMATION:

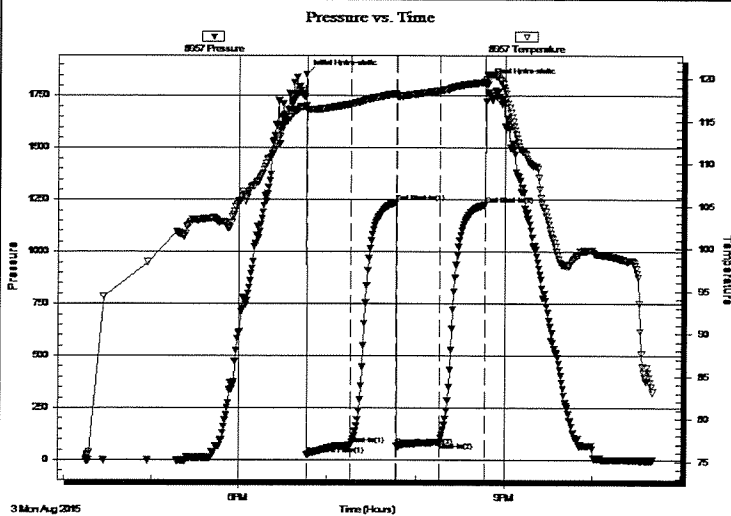
Formation: **LKC"H-L"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:46:30  
Time Test Ended: 22:41:45  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brett Dickinson  
Unit No: 81  
Interval: **3741.00 ft (KB) To 3900.00 ft (KB) (TVD)**  
Total Depth: 3900.00 ft (KB) (TVD)  
Reference Elevations: 2299.00 ft (KB)  
2294.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 5.00 ft

## Serial #: 8957

Inside

Press@RunDepth: 84.66 psig @ 3747.00 ft (KB)  
Capacity: 8000.00 psig  
Start Date: 2015.08.03 End Date: 2015.08.03 Last Calib.: 2015.08.03  
Start Time: 16:15:05 End Time: 22:41:44 Time On Btm: 2015.08.03 @ 18:45:45  
Time Off Btm: 2015.08.03 @ 20:47:45

TEST COMMENT: IF-7" blow  
ISI-No blow  
FF-8" blow  
FSI-No blow



## PRESSURE SUMMARY

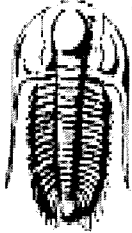
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.71	116.80	Initial Hydro-static
1	23.39	116.25	Open To Flow (1)
30	70.15	117.04	Shut-In(1)
60	1237.25	118.24	End Shut-In(1)
61	68.04	117.96	Open To Flow (2)
90	84.66	118.61	Shut-In(2)
121	1227.40	119.63	End Shut-In(2)
122	1815.85	120.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 25%G 35%O 40%M	0.59
50.00	SGOCM 25%G 35%O 40%M	0.70
0.00	190ft GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

**Rainbow Trout Farms #1**  
**4-15s-26w Gove,KS**  
Job Ticket: 64708      DST#: 1  
Test Start: 2015.08.03 @ 16:15:00

### GENERAL INFORMATION:

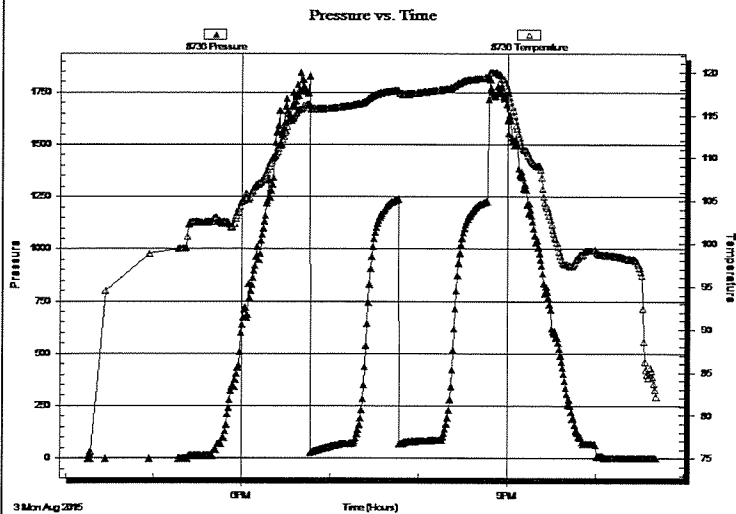
Formation: **LKC"H-L"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 18:46:30  
Time Test Ended: 22:41:45  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Brett Dickinson  
Unit No: 81  
Interval: **3741.00 ft (KB) To 3900.00 ft (KB) (TVD)**  
Total Depth: 3900.00 ft (KB) (TVD)  
Reference Elevations: 2299.00 ft (KB)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
KB to GR/CF: 5.00 ft

### Serial #: 8736

**Outside**

Press@RunDepth:      psig @      3747.00 ft (KB)      Capacity:      8000.00 psig  
Start Date:      2015.08.03      End Date:      2015.08.03      Last Calib.:      2015.08.03  
Start Time:      16:15:05      End Time:      22:41:44      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF-7" blow  
ISI-No blow  
FF-8" blow  
FSI-No blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 25%G 35%O 40%M	0.59
50.00	SGOCM 25%G 35%O 40%M	0.70
0.00	190ft GIP	0.00

### 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

**Rainbow Trout Farms #1**  
**4-15s-26w Gove,KS**  
Job Ticket: 64708      **DST#: 1**  
Test Start: 2015.08.03 @ 16:15:00

**Tool Information**

Drill Pipe:	Length: 3615.00 ft	Diameter: 3.80 inches	Volume: 50.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 40000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3741.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	159.00 ft			
Tool Length:	187.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3718.00	
Hydraulic tool	5.00			3723.00	
Jars	5.00			3728.00	
Safety Joint	3.00			3731.00	
Packer	5.00			3736.00	28.00      Bottom Of Top Packer
Packer	5.00			3741.00	
Stubb	1.00			3742.00	
Perforations	5.00			3747.00	
Recorder	0.00	8736	Outside	3747.00	
Recorder	0.00	8957	Inside	3747.00	
Change Over Sub	1.00			3748.00	
Drill Pipe	124.00			3872.00	
Change Over Sub	1.00			3873.00	
Perforations	24.00			3897.00	
Bullnose	3.00			3900.00	159.00      Bottom Packers & Anchor

**Total Tool Length: 187.00**





**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

Rainbow Trout Farms #1

4924 SE 84th St  
New ton KS 67114

4-15s-26w Gove,KS

Job Ticket: 64708

DST#: 1

ATTN: Ryan Seib

Test Start: 2015.08.03 @ 16:15:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 25%G 35%O 40%M	0.590
50.00	SGOCM 25%G 35%O 40%M	0.701
0.00	190ft GIP	0.000

Total Length: 170.00 ft

Total Volume: 1.291 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

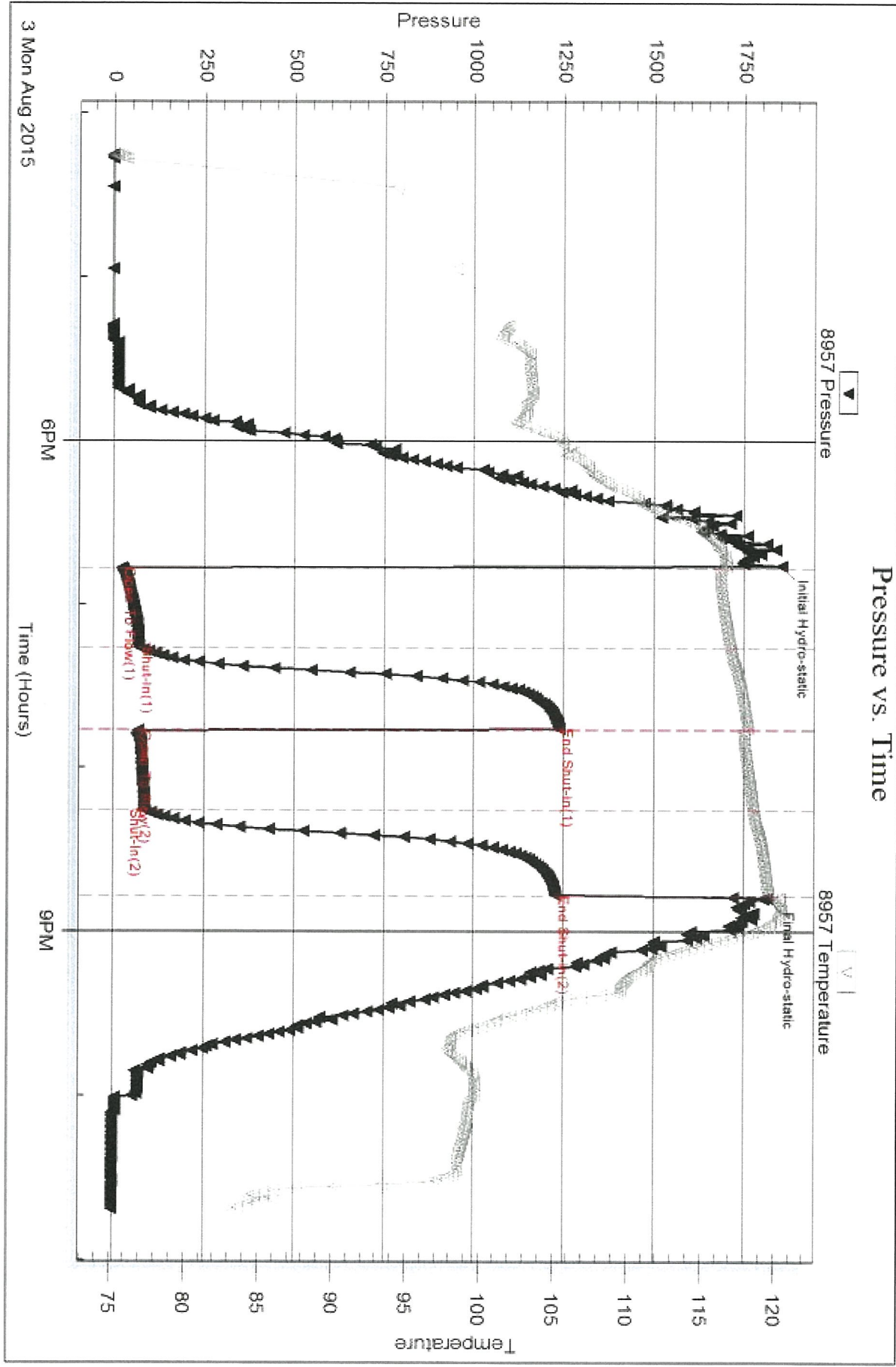
Serial #: 8957

Inside

Palomino Petroleum

4-155-26w Gove,KS

DST Test Number: 1



Tribble Testing, Inc

Ref No: 64708

Printed 2015 08 05 @ 14:55:18

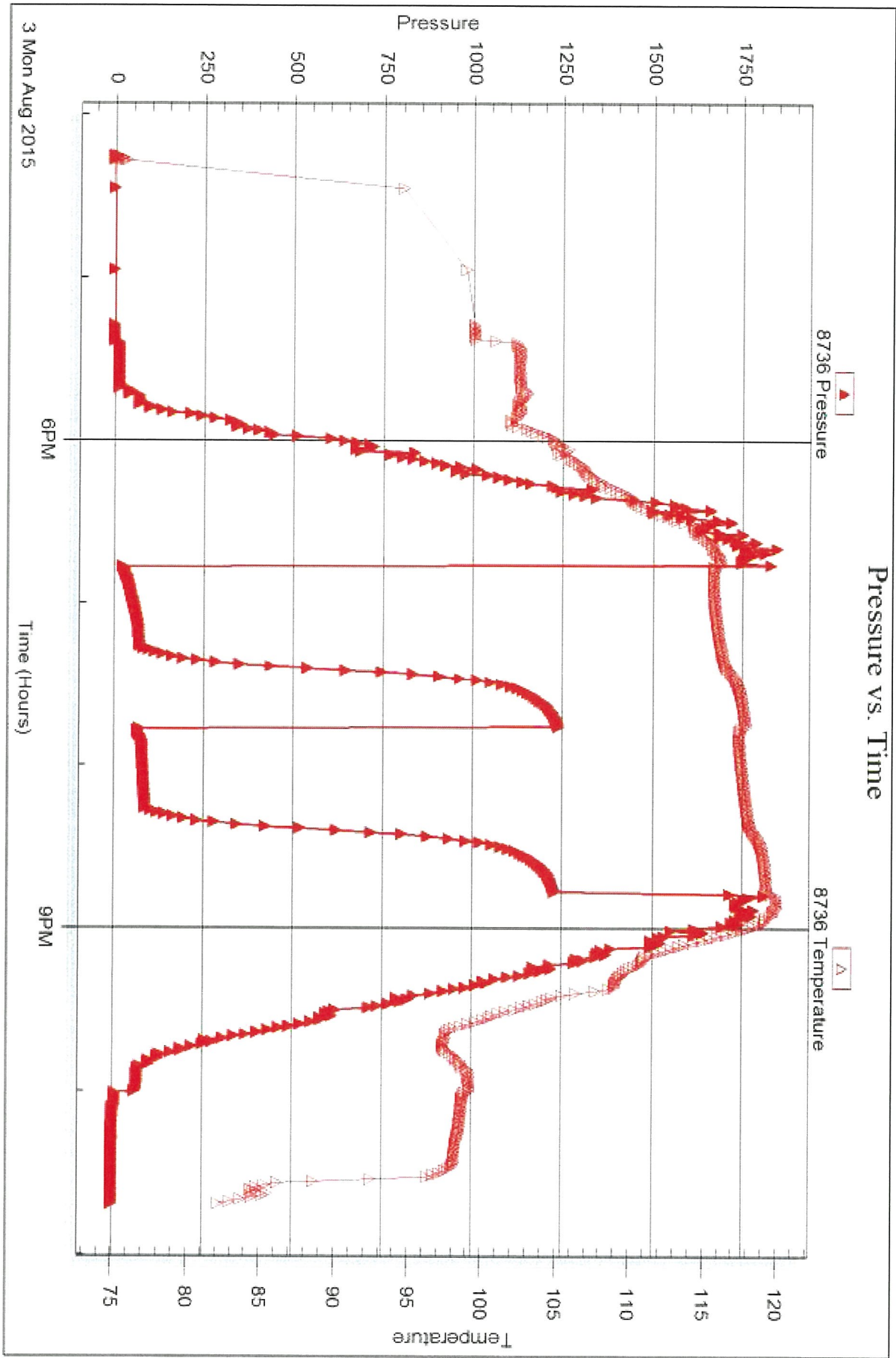
Serial #: 8736

Outside

Palomino Petroleum

4-15s-26w Gove,KS

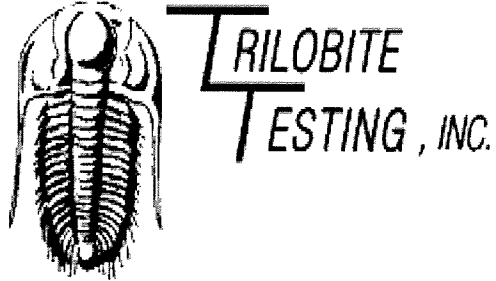
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64708

Printed 2015 08 05 @ 14:55:18



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St  
Newton KS 67114

ATTN: Ryan Seib

**4-15s-26w Gove,KS**

**Rainbow Trout Farms #1**

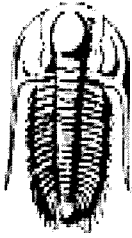
Start Date: 2015.08.05 @ 06:35:00

End Date: 2015.08.05 @ 12:30:45

Job Ticket #: 64709                      DST #: 2

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

Printed: 2015.08.05 @ 14:54:58



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

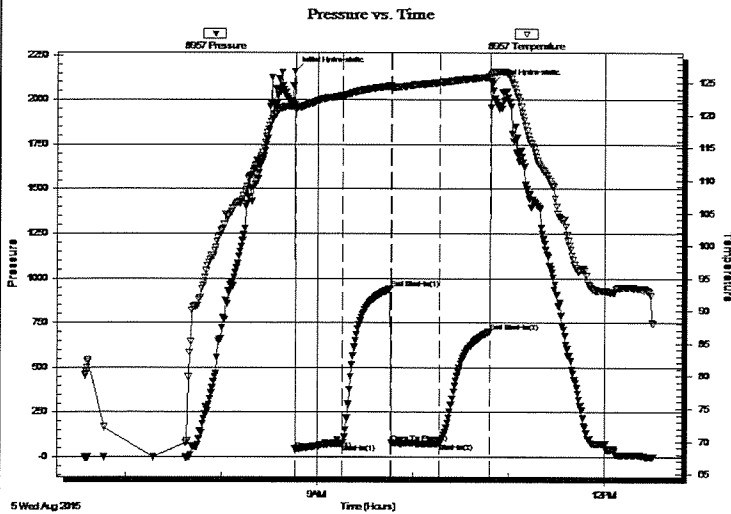
**Rainbow Trout Farms #1**  
**4-15s-26w Gove,KS**  
Job Ticket: 64709      **DST#: 2**  
Test Start: 2015.08.05 @ 06:35:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 08:46:00  
Time Test Ended: 12:30:45  
Interval: **4116.00 ft (KB) To 4225.00 ft (KB) (TVD)**  
Total Depth: 4309.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Straddle (Reset)  
Tester: Brett Dickinson  
Unit No: 81  
Reference Elevations: 2299.00 ft (KB)  
2294.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8957**      **Inside**  
Press@RunDepth: 78.17 psig @ 4117.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.08.05      End Date: 2015.08.05      Last Calib.: 2015.08.05  
Start Time: 06:35:05      End Time: 12:30:44      Time On Btm: 2015.08.05 @ 08:45:30  
Time Off Btm: 2015.08.05 @ 10:49:30

TEST COMMENT: IF-3" blow  
ISI-No blow  
FF-No blow  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.36	121.55	Initial Hydro-static
1	42.68	120.72	Open To Flow (1)
31	72.83	122.99	Shut-In(1)
61	943.09	124.51	End Shut-In(1)
61	76.93	124.31	Open To Flow (2)
92	78.17	125.02	Shut-In(2)
123	702.00	125.88	End Shut-In(2)
124	2088.60	126.52	Final Hydro-static

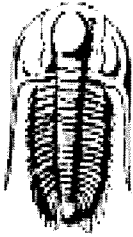
## Recovery

Length (ft)	Description	Volume (bbl)
125.00	SOCM 10%O 90%M	0.66
5.00	SGO 10%G 90%O	0.07

\* 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

**Rainbow Trout Farms #1**  
**4-15s-26w Gove,KS**  
 Job Ticket: 64709      **DST#: 2**  
 Test Start: 2015.08.05 @ 06:35:00

### GENERAL INFORMATION:

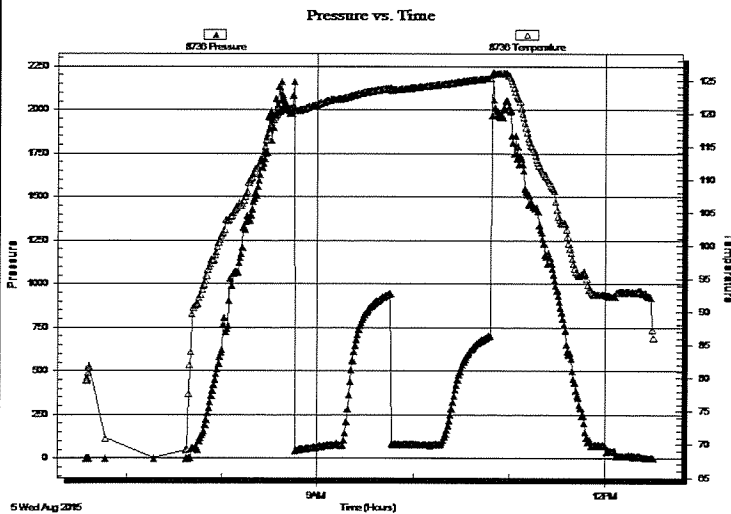
Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:46:00  
 Time Test Ended: 12:30:45  
 Test Type: Conventional Straddle (Reset)  
 Tester: Brett Dickinson  
 Unit No: 81  
 Interval: **4116.00 ft (KB) To 4225.00 ft (KB) (TVD)**  
 Reference Elevations: 2299.00 ft (KB)  
 Total Depth: 4309.00 ft (KB) (TVD)      2294.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

### Serial #: 8736

**Outside**

Press@RunDepth:      psig @      4117.00 ft (KB)  
 Capacity:      8000.00 psig  
 Start Date:      2015.08.05      End Date:      2015.08.05      Last Calib.:      2015.08.05  
 Start Time:      06:35:05      End Time:      12:30:29      Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF-3" blow  
 IS- No blow  
 FF- No blow  
 FS- No blow



### PRESSURE SUMMARY

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

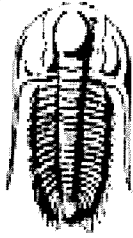
### Recovery

Length (ft)	Description	Volume (bbl)
125.00	SOCM 10%O 90%M	0.66
5.00	SGO 10%G 90%O	0.07

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

## DRILL STEM TEST REPORT

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

**Rainbow Trout Farms #1**  
**4-15s-26w Gove, KS**  
 Job Ticket: 64709      **DST#: 2**  
 Test Start: 2015.08.05 @ 06:35:00

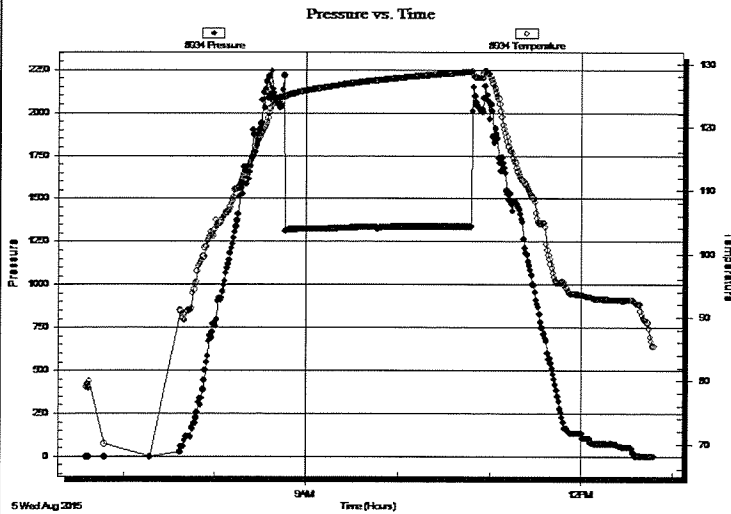
### GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:46:00  
 Time Test Ended: 12:30:45  
 Interval: **4116.00 ft (KB) To 4225.00 ft (KB) (TVD)**  
 Total Depth: 4309.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Reset)  
 Tester: Brett Dickinson  
 Unit No: 81  
 Reference Elevations: 2299.00 ft (KB)  
 2294.00 ft (CF)  
 KB to GR/CF: 5.00 ft

### Serial #: 8934 Below (Straddle)

Press@RunDepth: psig @ 4245.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.08.05      End Date: 2015.08.05      Last Calib.: 2015.08.05  
 Start Time: 06:35:05      End Time: 12:47:44      Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF-3" blow  
 IS- No blow  
 FF- No blow  
 FSI- No blow



### PRESSURE SUMMARY

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

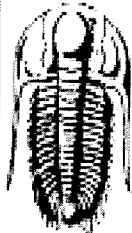
### Recovery

Length (ft)	Description	Volume (bbi)
125.00	SOCM 10%O 90%M	0.66
5.00	SGO 10%G 90%O	0.07

\* 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

**Rainbow Trout Farms #1**

4924 SE 84th St  
New ton KS 67114

**4-15s-26w Gove,KS**

Job Ticket: 64709

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2015.08.05 @ 06:35:00

### Tool Information

Drill Pipe:	Length: 4026.00 ft	Diameter: 3.80 inches	Volume: 56.47 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - 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: 42000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	57.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4116.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	4226.00 ft			
Interval between Packers:	110.00 ft			
Tool Length:	224.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

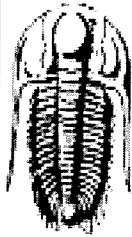
Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4094.00	
Hydraulic tool	5.00			4099.00	
Jars	5.00			4104.00	
Safety Joint	2.00			4106.00	
Packer	5.00			4111.00	27.00 Bottom Of Top Packer
Packer	5.00			4116.00	
Stubb	1.00			4117.00	
Recorder	0.00	8957	Inside	4117.00	
Recorder	0.00	8736	Outside	4117.00	
Perforations	5.00			4122.00	
Change Over Sub	1.00			4123.00	
Drill Pipe	93.00			4216.00	
Change Over Sub	1.00			4217.00	
Perforations	5.00			4222.00	
Blank Off Sub	4.00			4226.00	110.00 Tool Interval
Packer	5.00			4231.00	
Perforations	14.00			4245.00	
Recorder	0.00	8934	Below	4245.00	
Change Over Sub	1.00			4246.00	
Drill Pipe	63.00			4309.00	
Change Over Sub	1.00			4310.00	
Bullnose	3.00			4313.00	87.00 Bottom Packers & Anchor

**Total Tool Length: 224.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum

**Rainbow Trout Farms #1**

4924 SE 84th St  
New ton KS 67114

**4-15s-26w Gove,KS**

Job Ticket: 64709

**DST#: 2**

ATTN: Ryan Seib

Test Start: 2015.08.05 @ 06:35:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SOCM 10%O 90%M	0.660
5.00	SGO 10%G 90%O	0.070

Total Length: 130.00 ft      Total Volume: 0.730 bbl

Num Fluid Samples: 0

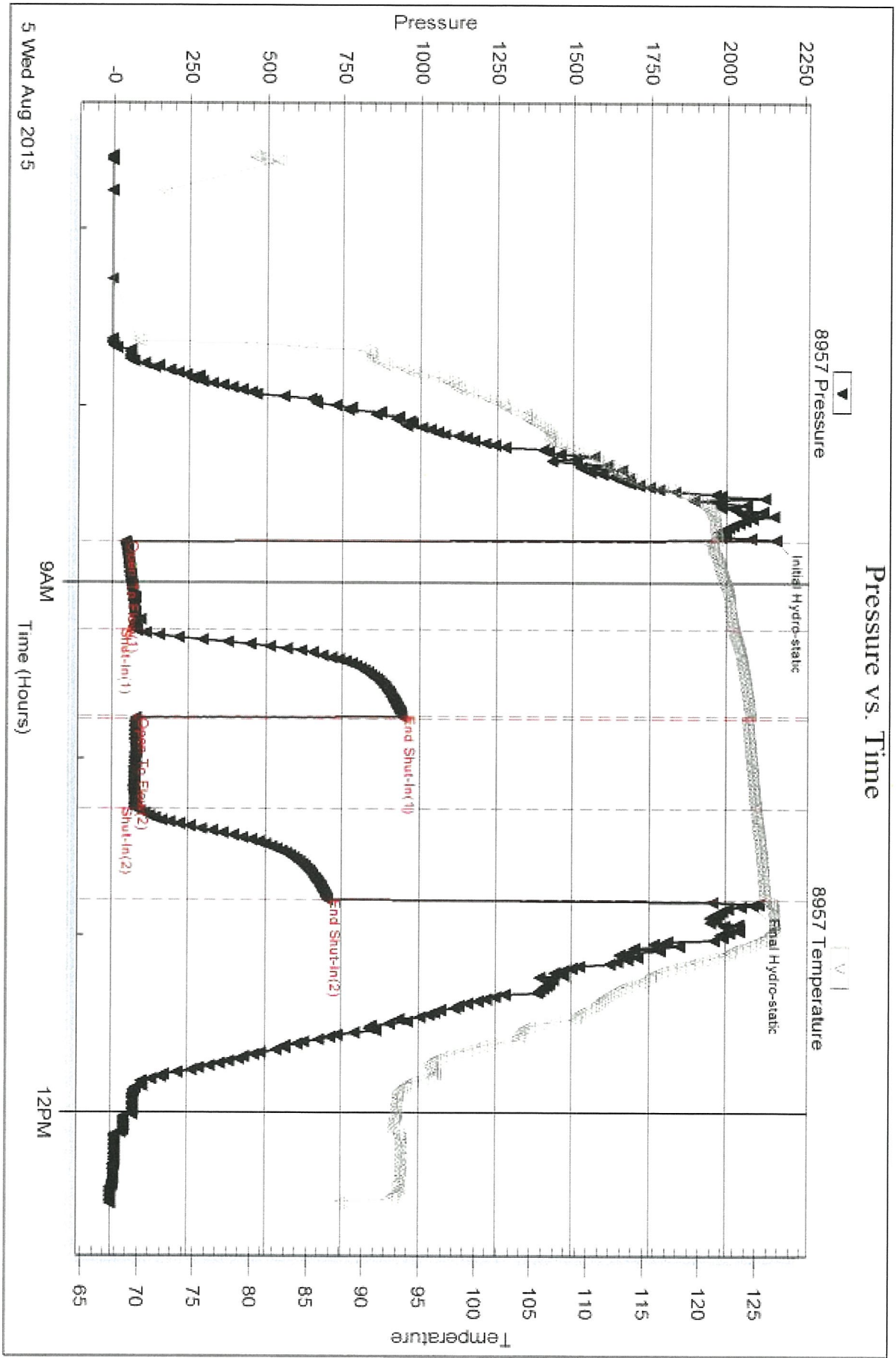
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



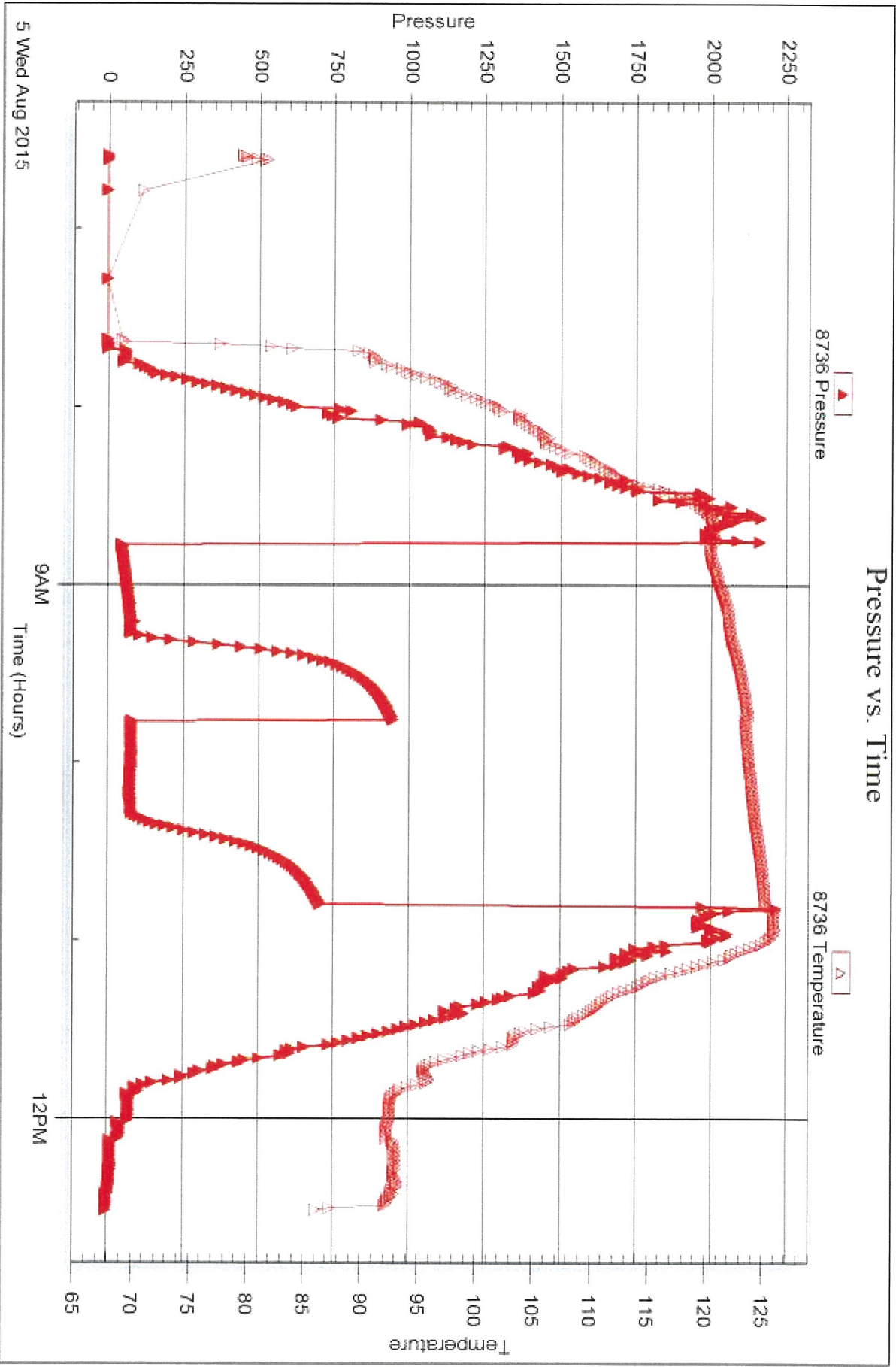
Serial #: 8736

Outside

Palomino Petroleum

4-155-26W Gove, KS

DST Test Number: 2



Tribbitt Testing, Inc

Ref. No: 64709

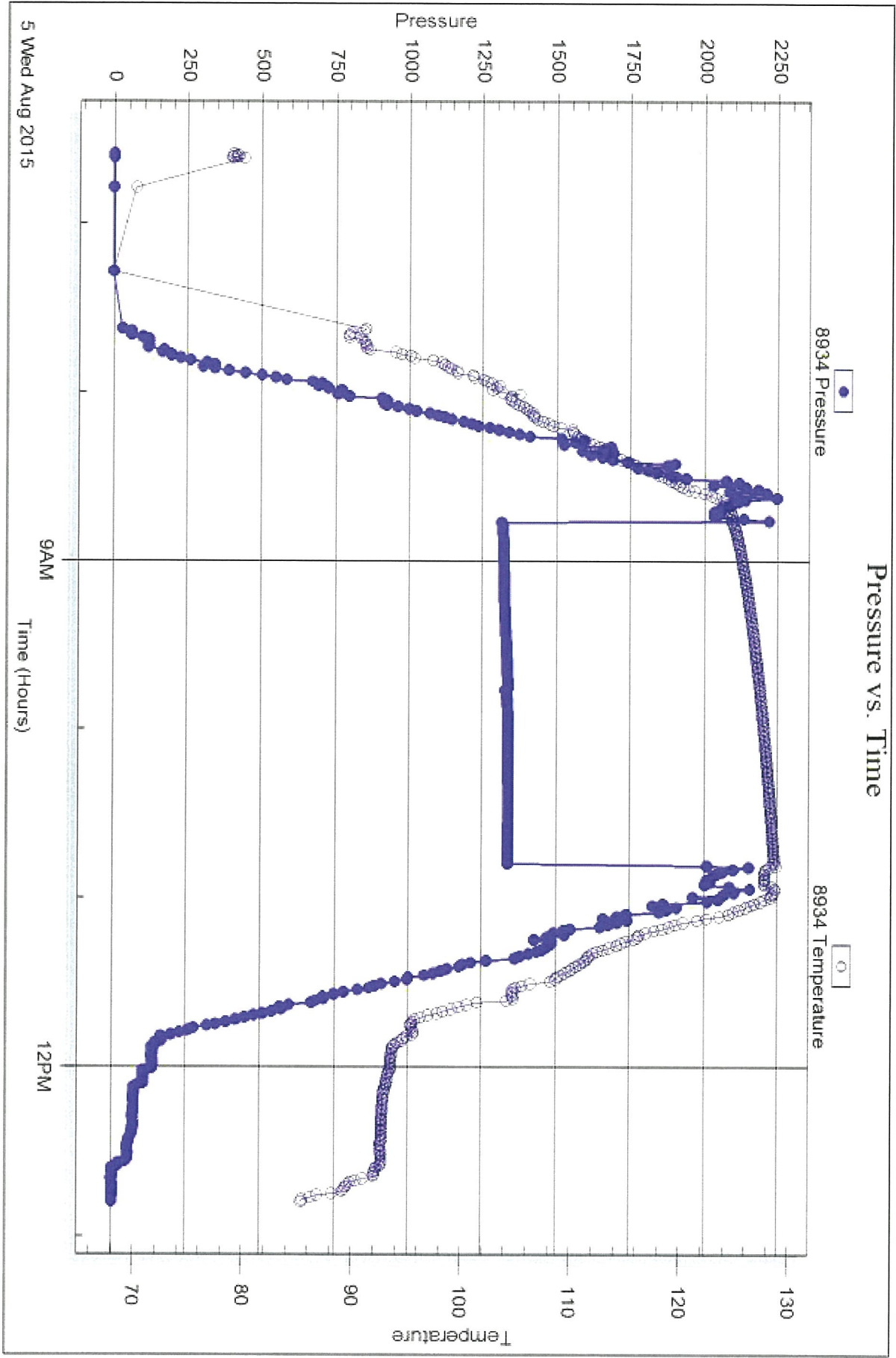
Printed 2015 08 05 @ 14 55 01

Serial #: 8934

Below (Stratton) Petroleum

4-15s-26w Gove, KS

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 64709

Printed 2015 08 05 @ 14:55:01



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **64708**

Well Name & No. Rainbow Trout Farm #1 Test No. 1 Date 8-3-15  
 Company Palomino Petroleum Elevation 2299 KB 2294 GL  
 Address 4924 SE 84th ST Newton KS 67114  
 Co. Rep / Geo. Ryan Seib Rig WW #6  
 Location: Sec. 4 Twp. 15s Rge. 26 Co. \_\_\_\_\_ State KS

Interval Tested 3741 - 3900 Zone Tested KC" H-L  
 Anchor Length 159 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.1  
 Top Packer Depth 3736 Drill Collars Run 120 Vis 60T  
 Bottom Packer Depth 3741 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 3900 Chlorides 1200 ppm System LCM 2 #

Blow Description IF - 7in blow  
ISI - No blow  
FF - 8in blow  
FST - No blow

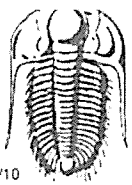
Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>560CM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>120</u>	<u>60CM</u>	<u>25</u>	<u>35</u>	<u>40</u>	
	<u>190ft GIP</u>				

Rec Total 170 BHT 120 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1,854</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>15:45</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:15</u>
(C) First Final Flow <u>70</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:47</u>
(D) Initial Shut-In <u>1,237</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:47</u>
(E) Second Initial Flow <u>68</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:45</u>
(F) Second Final Flow <u>85</u>	<input checked="" type="checkbox"/> Mileage <u>180-7</u> 120	Comments _____
(G) Final Shut-In <u>1,227</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>1,816</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1495</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1495</u>	

Approved By \_\_\_\_\_ Our Representative BWD

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. 64709

Well Name & No. Rainbow Trout Farm #1 Test No. 2 Date 8-5-15  
 Company Palomine Petroleum Elevation 2299 KB 2294 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Ryan Scib Rig WW#6  
 Location: Sec. 4 Twp. 15s Rge. 26 Co. Govc State KS

Interval Tested 4116 - 4225 Zone Tested MISS  
 Anchor Length 109 Drill Pipe Run \_\_\_\_\_ Mud Wt. \_\_\_\_\_  
 Top Packer Depth 4111, 4116 Drill Collars Run 120 Vis \_\_\_\_\_  
 Bottom Packer Depth 4225 Wt. Pipe Run — WL \_\_\_\_\_  
 Total Depth 4309 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description JF - 2 in blow  
JSI - No blow  
FF - No blow  
ESI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>SEC</u>	<u>10</u>	<u>70</u>		
<u>125</u>	<u>SOCM</u>		<u>10</u>		<u>90</u>
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud

Rec Total 130 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2159  Test 1150 T-On Location 6:15  
 (B) First Initial Flow 43  Jars 250 T-Started 6:35  
 (C) First Final Flow 73  Safety Joint 75 T-Open 8:43  
 (D) Initial Shut-In 943  Circ Sub \_\_\_\_\_ T-Pulled 10:43  
 (E) Second Initial Flow 77  Hourly Standby \_\_\_\_\_ T-Out 12:30  
 (F) Second Final Flow 78  Mileage 180.1 120 Comments \_\_\_\_\_  
 (G) Final Shut-In 202  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,089  Straddle 600  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Copies \_\_\_\_\_  
 Final Flow 30 Sub Total 0  
 Final Shut-In 30 Total 2195  
 Sub Total 2195 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Butch Smith

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