



PO Box 93999
Southlake, TX 76092

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

RECEIVED

AUG 17 2013

INVOICE

Invoice Number: 137878

Invoice Date: Aug 5, 2013

Page: 1

Bill To:

Palomino Petroleum, Inc.
4924 SE 84th St.
Newton, KS 67114-8827

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Palo	60598	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Aug 5, 2013	9/4/13

Quantity	Item	Description	Unit Price	Amount
		Rocket Science #1		
162.00	CEMENT MATERIALS	Class A Common	17.90	2,899.80
108.00	CEMENT MATERIALS	Pozmix	9.35	1,009.80
9.00	CEMENT MATERIALS	Gel	23.40	210.60
75.00	CEMENT MATERIALS	Flo Seal	2.97	222.75
291.67	CEMENT SERVICE	Cubic Feet	2.48	723.34
315.83	CEMENT SERVICE	Ton Mileage	2.60	821.17
1.00	CEMENT SERVICE	Rotary Plug	2,483.59	2,483.59
26.00	CEMENT SERVICE	Pump Truck Mileage	7.70	200.20
26.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	114.40
1.00	CEMENT SUPERVISOR	Joshua Isaac		
1.00	EQUIPMENT OPERATOR	Ben Newell		
1.00	OPERATOR ASSISTANT	Steven Vasquez		

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

\$ 2,171.41

ONLY IF PAID ON OR BEFORE
Aug 30, 2013

Subtotal	8,685.65
Sales Tax	621.02
Total Invoice Amount	9,306.67
Payment/Credit Applied	
TOTAL	9,306.67

ALLIED OIL & GAS SERVICES, LLC 060598

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Great Bend

DATE <u>8-5-13</u>	SEC. <u>25</u>	TWP. <u>17</u>	RANGE <u>27</u>	CALLED OUT	ON LOCATION	JOB START <u>2pm</u>	JOB FINISH <u>3pm</u>
LEASE <u>Rocket Science</u>	WELL # <u>1</u>	LOCATION <u>Turkey Red Rd 4N E. 1/2</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR WV Drilling #12
TYPE OF JOB Rotary plug
HOLE SIZE 12 1/2 T.D.
CASING SIZE 8 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 2040
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. AI
PERFS.
DISPLACEMENT Fresh water
EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
398 HELPER Ben Newell
BULK TRUCK
544 DRIVER Steve Vasquez
BULK TRUCK
DRIVER

REMARKS:

On location - Rig up - used safety, running
on 4 1/2 drill pipe, fill backside with mud
#1 - 2040 - 50 SKS
#2 - 1700 - 80 RM - 30 SKS
#3 - 600 - 50
#4 - 250 - 40
#5 - 60 - 20 SKS
Rig down

CHARGE TO: Palomino Petroleum
STREET _____
CITY _____ STATE _____ ZIP _____

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 JD Hafley
SIGNATURE [Signature]

Thank you!!

OWNER
CEMENT
AMOUNT ORDERED 270 SKS 60/40 49%pd
4 Flo

COMMON	<u>162</u>	@	<u>17.90</u>	<u>2899.80</u>
POZMIX	<u>108</u>	@	<u>9.35</u>	<u>1009.80</u>
GEL	<u>9</u>	@	<u>23.40</u>	<u>234.00</u>
CHLORIDE		@		
ASC		@		
<u>Flo Seal 35x 75</u>		@	<u>2.97</u>	<u>222.75</u>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>291.67</u>	@	<u>2.48</u>	<u>723.34</u>
MILEAGE	<u>12.1475 x 26</u>	@	<u>2.00</u>	<u>821.17</u>
TOTAL				<u>5910.80</u>

SERVICE

DEPTH OF JOB	<u>2040</u>		
PUMP TRUCK CHARGE	<u>2483.59</u>		
EXTRA FOOTAGE	@		
MILEAGE	<u>HVM 26</u>	@	<u>7.70 200.20</u>
MANIFOLD	@		
<u>LVM 26</u>	@	<u>4.40</u>	<u>114.40</u>
	@		
TOTAL <u>2798.19</u>			

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL _____			

SALES TAX (If Any) _____
TOTAL CHARGES 8,709.05
DISCOUNT - 2,177.26 IF PAID IN 30 DAYS
\$6,531.79



PO Box 93999
Southlake, TX 76092

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

RECEIVED

AUG 03 2013

INVOICE

Invoice Number: 137603

Invoice Date: Jul 27, 2013

Page: 1

Bill To:

Palomino Petroleum, Inc.
4924 SE 84th St.
Newton, KS 67114-8827

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Palo	60594	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Jul 27, 2013	8/26/13

Quantity	Item	Description	Unit Price	Amount
		Rocket Science #1		
175.00	MAT	Class A Common	17.90	3,132.50
3.00	MAT	Gel	23.40	70.20
6.00	MAT	Chloride	64.00	384.00
188.74	SER	Cubic Feet	2.48	468.07
129.30	SER	Ton Mileage	2.60	336.18
1.00	SER	Surface	1,512.25	1,512.25
15.00	SER	Pump Truck Mileage	7.70	115.50
15.00	SER	Light Vehicle Mileage	4.40	66.00
1.00	CEMENTER	Joshua Isaac		
1.00	EQUIP OPER	Ben Newell		
1.00	OPER ASSIST	Shawn Kearns		

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

\$ 1,512.18

ONLY IF PAID ON OR BEFORE
Aug 21, 2013

Subtotal	6,084.70
Sales Tax	256.45
Total Invoice Amount	6,341.15
Payment/Credit Applied	
TOTAL	6,341.15

ALLIED OIL & GAS SERVICES, LLC 060594

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:

Greer Bend

DATE <u>7-27-13</u>	SEC. <u>25</u>	TWP. <u>17</u>	RANGE <u>27</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30pm</u>	JOB FINISH <u>8pm</u>
LEASE <u>Boeker Science</u>	WELL # <u>1</u>	LOCATION <u>Near City W to turnkey Red Rd</u>			COUNTY <u>Leake</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>UN East into</u>			

CONTRACTOR NW Drilling

OWNER

TYPE OF JOB Surface

HOLE SIZE 12 1/2 T.D.
CASING SIZE 8 3/8 DEPTH 230
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 13.69

EQUIPMENT

PUMP TRUCK CEMENTER Josh Isaac
398 HELPER Ben Newell
BULK TRUCK
610-112 DRIVER Shawn Kern
BULK TRUCK
DRIVER

CEMENT

AMOUNT ORDERED 175 SKS Class A 3% CC
2 1/2 gal

COMMON	<u>175</u>	@	<u>17.90</u>	<u>3,132.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>10</u>	@	<u>64.00</u>	<u>384.00</u>
ASC		@		

HANDLING	<u>188.74</u>	@	<u>2.48</u>	<u>468.07</u>
MILEAGE	<u>8.62 X 15</u>	X	<u>2.60</u>	<u>336.18</u>

TOTAL 4,390.95

REMARKS:

on location, Rig up, had safety meeting
Run 8 3/8 casing, Break circulation with rig mud
Hook up cement pump
Pump 5 bbls Ahead
Mix 175 SKS class A 3% CC 2 1/2 gal
Displace 13.69 bbls Freshwater, Shut in
Cement did circulate 7:30pm
Rig down 7:45pm

SERVICE

DEPTH OF JOB	<u>230</u>
PUMP TRUCK CHARGE	<u>1512.25</u>
EXTRA FOOTAGE	@
MILEAGE	<u>HVM 15</u> @ <u>7.70</u> <u>115.50</u>
MANIFOLD	@
	<u>LVM 15</u> @ <u>44.40</u> <u>66.00</u>

TOTAL 1693.75

CHARGE TO: Palomino Petroleum

STREET

CITY STATE ZIP

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 JD Heffiger

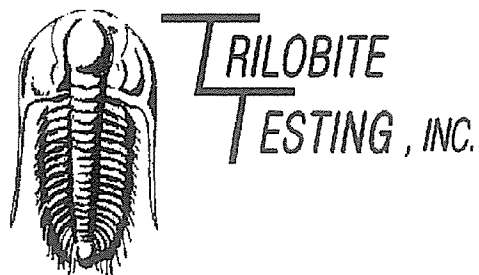
SIGNATURE X [Signature]

SALES TAX (If Any)

TOTAL CHARGES 6,084.70

DISCOUNT -1512.18 IF PAID IN 30 DAYS

\$ 4563.52



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Rocket Science #1

25-17s-27w Lane,KS

Start Date: 2013.08.01 @ 08:52:00

End Date: 2013.08.01 @ 15:00:00

Job Ticket #: 48769 DST #: 1

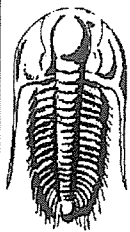
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.06 @ 15:21:53

Palomino Petroleum, Inc
25-17s-27w Lane,KS
Rocket Science #1
DST # 1
LKC - A
2013.08.01



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane, KS

Rocket Science #1

Job Ticket: 48769

DST#: 1

Test Start: 2013.08.01 @ 08:52:00

GENERAL INFORMATION:

Formation: **LKC - A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:08:45

Time Test Ended: 15:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: **3912.00 ft (KB) To 3975.00 ft (KB) (TVD)**

Total Depth: 3975.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: 135.51 psig @ 3913.00 ft (KB)

Start Date: 2013.08.01

End Date:

2013.08.01

Start Time: 08:52:05

End Time:

14:59:59

Capacity: 8000.00 psig

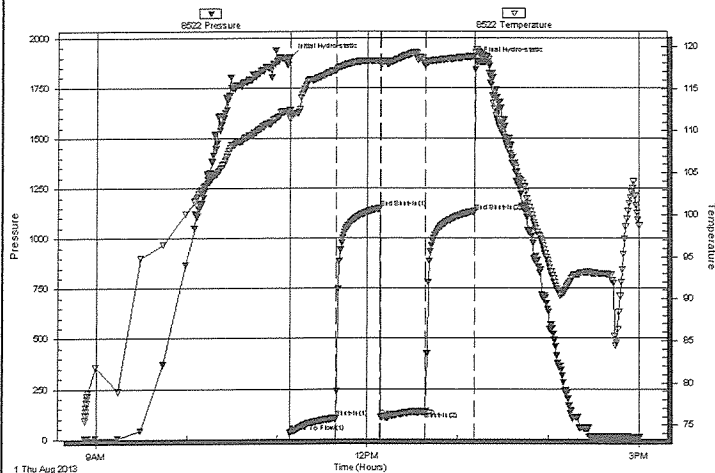
Last Calib.: 2013.08.01

Time On Btm: 2013.08.01 @ 11:08:30

Time Off Btm: 2013.08.01 @ 13:12:45

TEST COMMENT: IF: 8" blow.
IS: No return.
FF: 7" blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

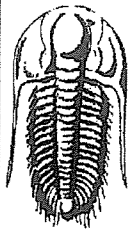
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1901.69	112.39	Initial Hydro-static
1	31.96	111.45	Open To Flow (1)
31	103.50	117.16	Shut-In(1)
60	1150.22	118.28	End Shut-In(1)
61	110.06	117.78	Open To Flow (2)
91	135.51	117.87	Shut-In(2)
123	1132.26	118.83	End Shut-In(2)
125	1882.65	119.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	mcw 15m 85w (oil spots)	2.41

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane, KS

Rocket Science #1

Job Ticket: 48769

DST#: 1

Test Start: 2013.08.01 @ 08:52:00

GENERAL INFORMATION:

Formation: **LKC - A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:08:45

Time Test Ended: 15:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: **3912.00 ft (KB) To 3975.00 ft (KB) (TVD)**

Total Depth: 3975.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8677 Inside

Press@RunDepth: psig @ 3913.00 ft (KB)

Start Date: 2013.08.01

End Date:

2013.08.01

Capacity: 8000.00 psig

Last Calib.:

2013.08.01

Start Time: 08:52:05

End Time:

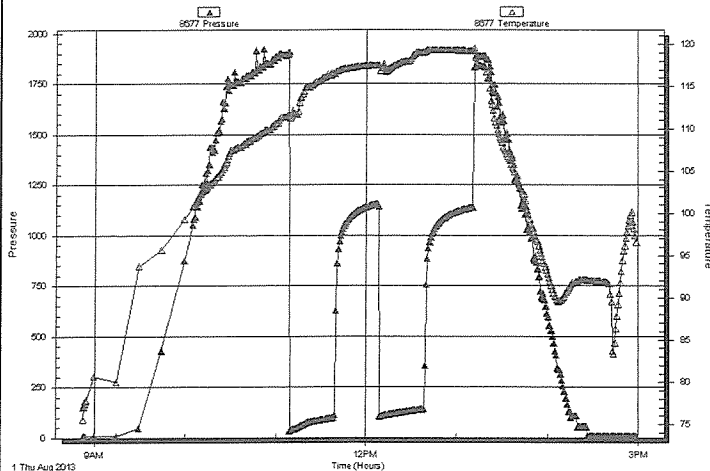
14:58:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 8" blow.
IS: No return.
FF: 7" blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

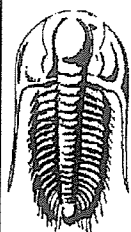
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
250.00	mcw 15m 85w (oil spots)	2.41

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
Newton, KS 67114

Rocket Science #1

Job Ticket: 48769

DST#: 1

ATTN: Ryan Seib

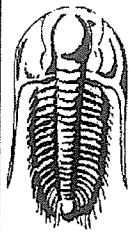
Test Start: 2013.08.01 @ 08:52:00

Tool Information

Drill Pipe:	Length:	3795.00 ft	Diameter:	3.80 inches	Volume:	53.23 bbl	Tool Weight:	2500.00 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:	72000.00 lb
					Total Volume:	53.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	58000.00 lb
Depth to Top Packer:		3912.00 ft					Final	60000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		63.00 ft						
Tool Length:		90.00 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			3886.00	
Shut In Tool	5.00			3891.00	
Hydraulic tool	5.00			3896.00	
Jars	5.00			3901.00	
Safety Joint	2.00			3903.00	
Packer	5.00			3908.00	27.00 Bottom Of Top Packer
Packer	4.00			3912.00	
Stubb	1.00			3913.00	
Recorder	0.00	8677	Inside	3913.00	
Recorder	0.00	8522	Outside	3913.00	
Perforations	26.00			3939.00	
Change Over Sub	1.00			3940.00	
Drill Pipe	31.00			3971.00	
Change Over Sub	1.00			3972.00	
Bullnose	3.00			3975.00	63.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 48769

DST#: 1

ATTN: Ryan Seib

Test Start: 2013.08.01 @ 08:52:00

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:

53000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	mcw 15m 85w (oil spots)	2.414

Total Length: 250.00 ft Total Volume: 2.414 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .115 @ 90F = 53000ppm

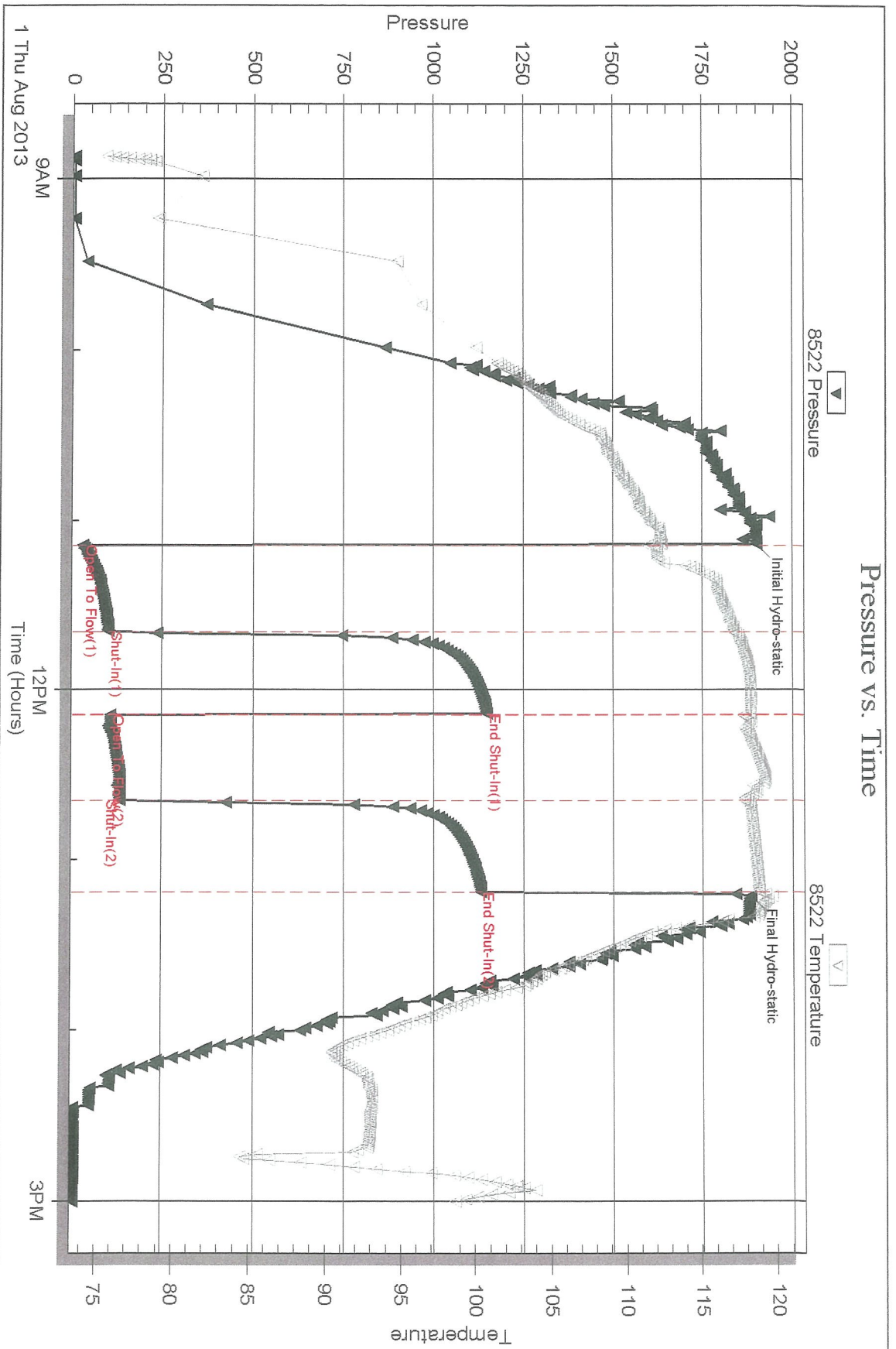
Serial #: 8522

Outside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 1



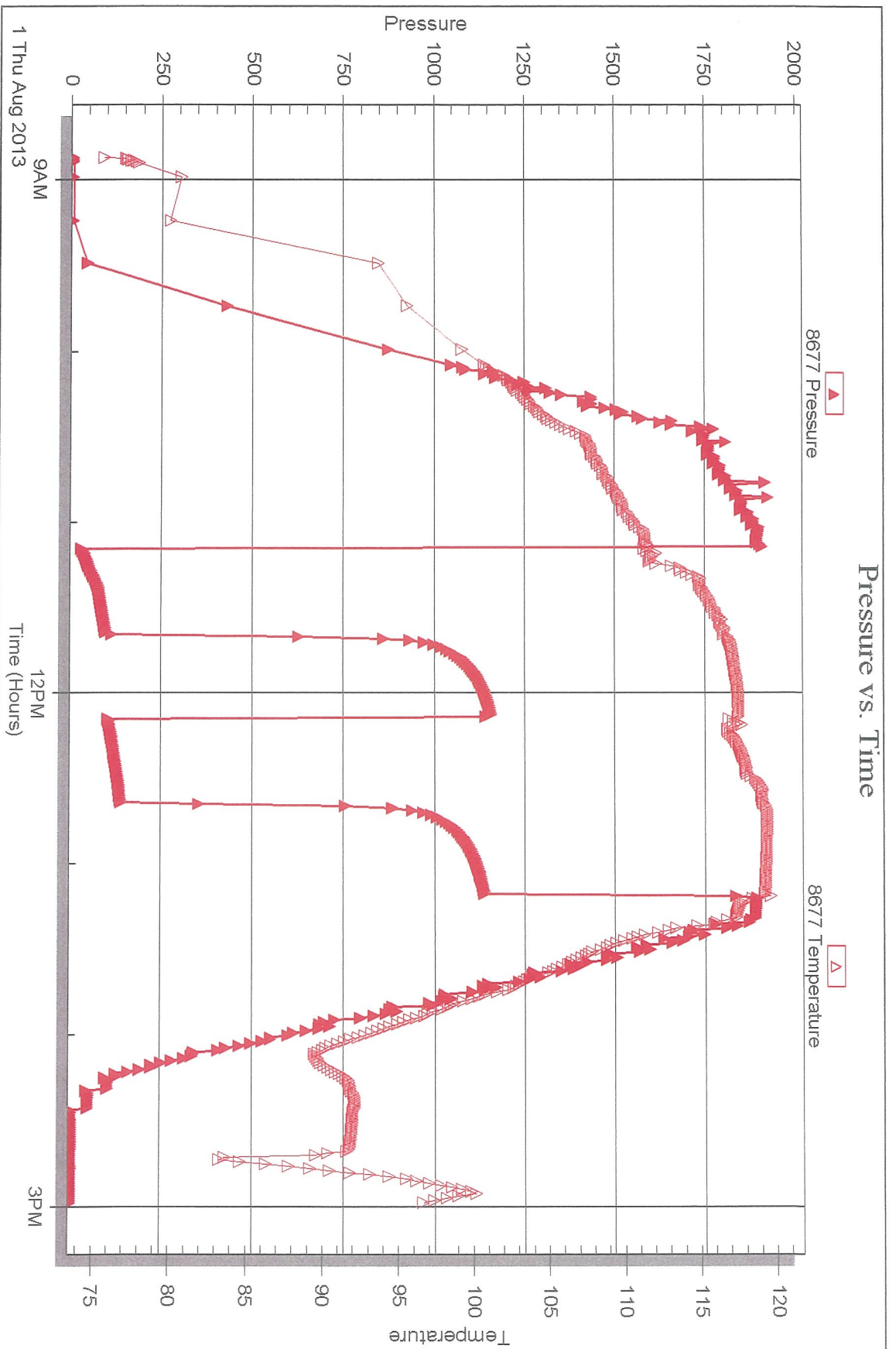
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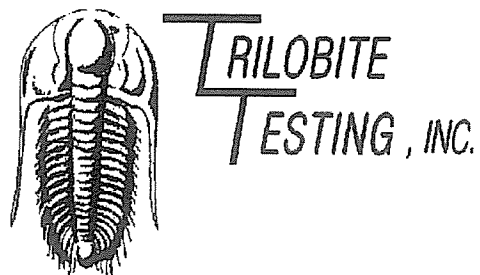
Inside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Rocket Science #1

25-17s-27w Lane,KS

Start Date: 2013.08.02 @ 05:52:00

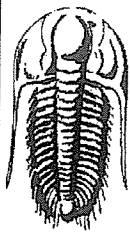
End Date: 2013.08.02 @ 11:31:15

Job Ticket #: 48770 DST #: 2

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

Printed: 2013.08.06 @ 15:16:36

Palomino Petroleum, Inc 25-17s-27w Lane,KS Rocket Science #1 DST # 2 LKC-1 & J 2013.08.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane, KS

Rocket Science #1

Job Ticket: 48770

DST#: 2

Test Start: 2013.08.02 @ 05:52:00

GENERAL INFORMATION:

Formation: **LKC- I & J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:48:30

Time Test Ended: 11:31:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4120.00 ft (KB) To 4167.00 ft (KB) (TVD)**

Total Depth: 4167.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: 37.02 psig @ 4121.00 ft (KB)

Start Date: 2013.08.02

End Date:

2013.08.02

Capacity: 8000.00 psig

Last Calib.: 2013.08.02

Start Time: 05:52:05

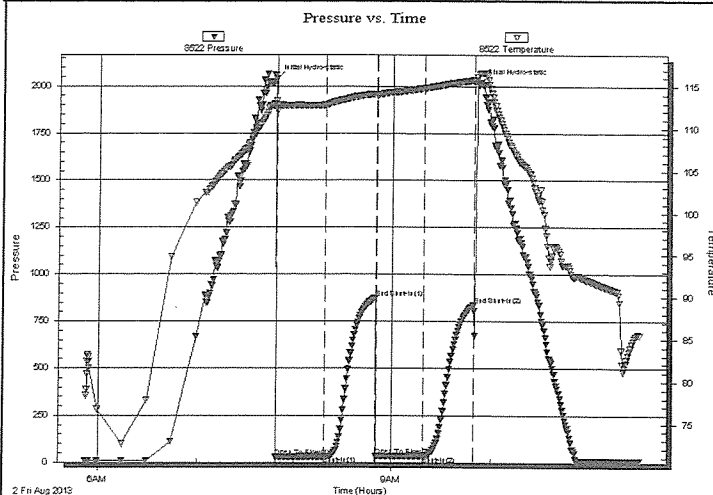
End Time:

11:31:14

Time On Btm: 2013.08.02 @ 07:48:15

Time Off Btm: 2013.08.02 @ 09:52:45

TEST COMMENT: IF: 1" blow.
IS: No return.
FF: Surface blow.
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2037.63	113.25	Initial Hydro-static
1	27.71	112.08	Open To Flow (1)
31	32.95	112.82	Shut-In(1)
62	875.38	114.15	End Shut-In(1)
62	34.11	113.87	Open To Flow (2)
91	37.02	114.82	Shut-In(2)
121	837.17	115.76	End Shut-In(2)
125	2019.21	116.53	Final Hydro-static

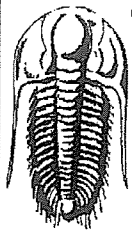
Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud 100m (oil spots)	0.22

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane,KS

Rocket Science #1

Job Ticket: 48770

DST#: 2

Test Start: 2013.08.02 @ 05:52:00

GENERAL INFORMATION:

Formation: **LKC- I & J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:48:30

Time Test Ended: 11:31:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4120.00 ft (KB) To 4167.00 ft (KB) (TVD)**

Total Depth: 4167.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8677 Inside

Press@RunDepth: psig @ 4121.00 ft (KB)

Start Date: 2013.08.02

End Date:

2013.08.02

Capacity: 8000.00 psig

Last Calib.:

2013.08.02

Start Time: 05:52:05

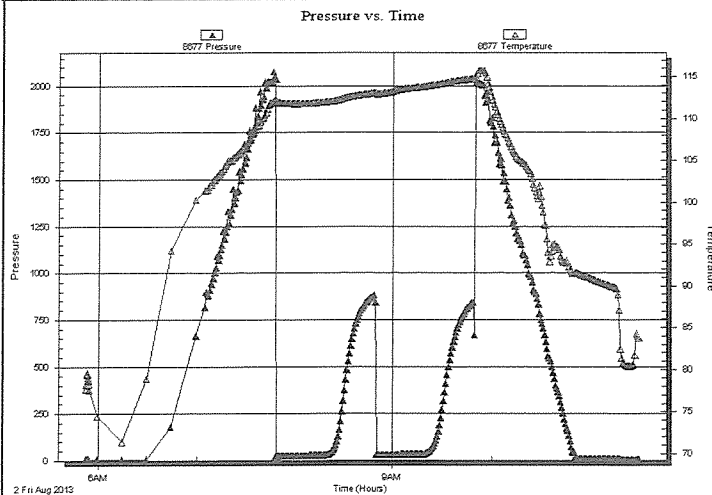
End Time:

11:30:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1" blow.
IS: No return.
FF: Surface blow.
FS: No return.



PRESSURE SUMMARY

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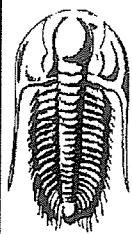
Recovery

Length (ft)	Description	Volume (bbl)
45.00	mud 100m (oil spots)	0.22

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 48770

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.08.02 @ 05:52:00

Tool Information

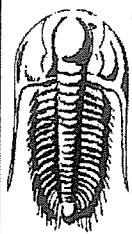
Drill Pipe:	Length: 3982.00 ft	Diameter: 3.80 inches	Volume: 55.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 56.45 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4120.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4094.00	
Shut In Tool	5.00			4099.00	
Hydraulic tool	5.00			4104.00	
Jars	5.00			4109.00	
Safety Joint	2.00			4111.00	
Packer	5.00			4116.00	27.00 Bottom Of Top Packer
Packer	4.00			4120.00	
Stubb	1.00			4121.00	
Recorder	0.00	8677	Inside	4121.00	
Recorder	0.00	8522	Outside	4121.00	
Perforations	10.00			4131.00	
Change Over Sub	1.00			4132.00	
Drill Pipe	31.00			4163.00	
Change Over Sub	1.00			4164.00	
Bullnose	3.00			4167.00	47.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 48770

DST#: 2

ATTN: Ryan Seib

Test Start: 2013.08.02 @ 05:52:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	mud 100m (oil spots)	0.221

Total Length: 45.00 ft Total Volume: 0.221 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

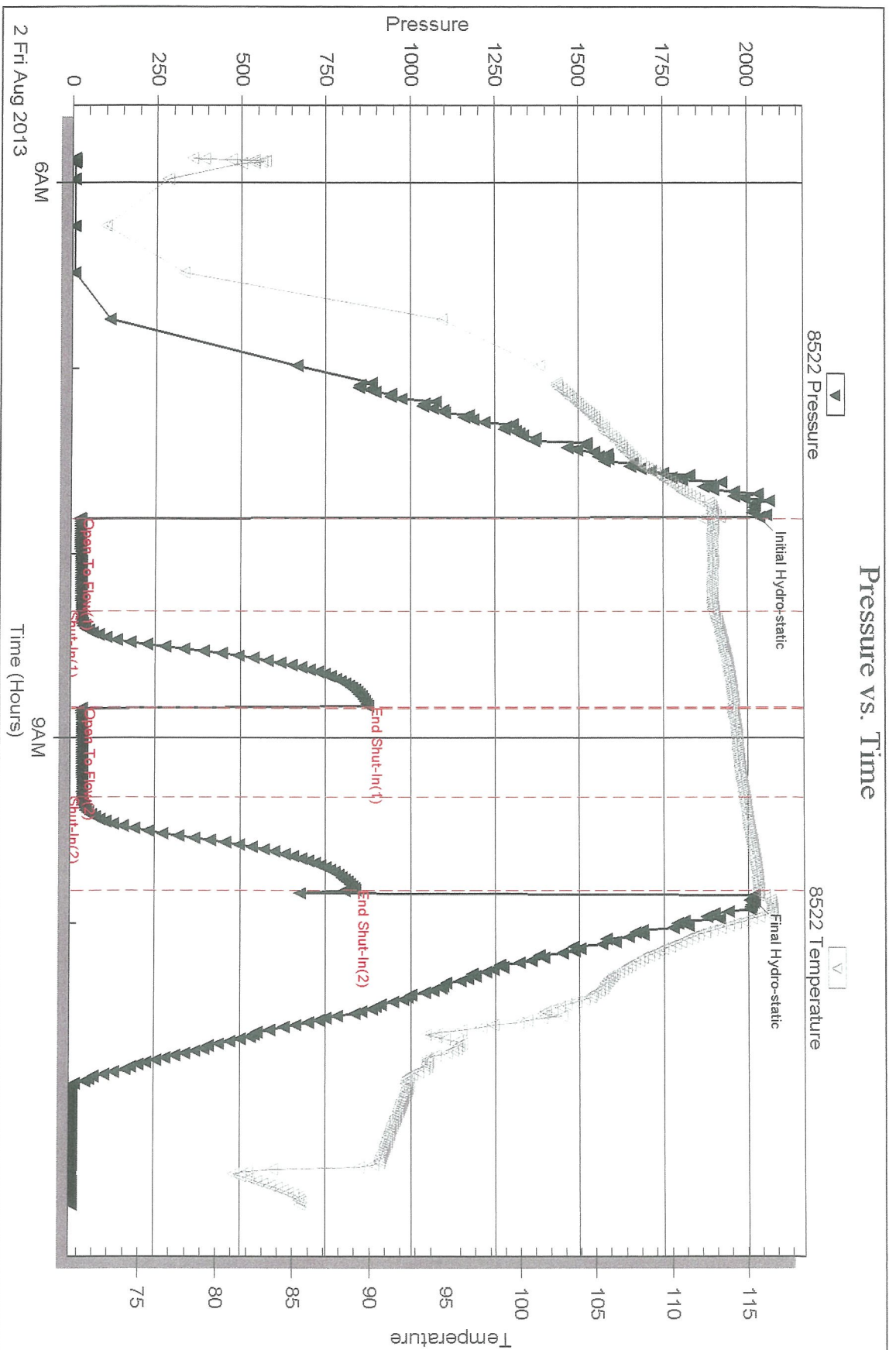
Serial #: 8522

Outside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48770

Printed: 2013.08.06 @ 15:16:41

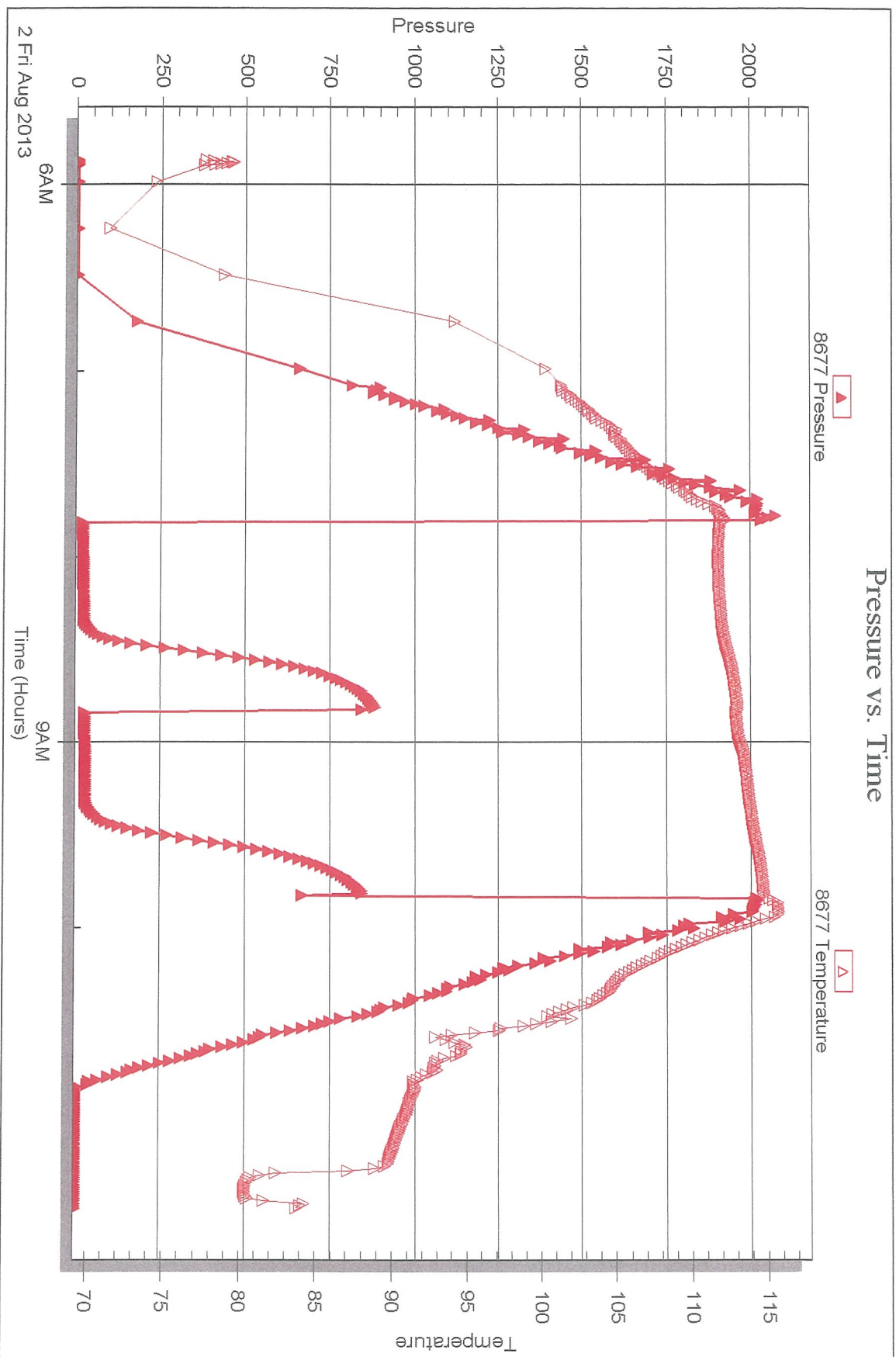
Serial #: 8677

Inside

Palomino Petroleum, Inc

Rocket Science #1

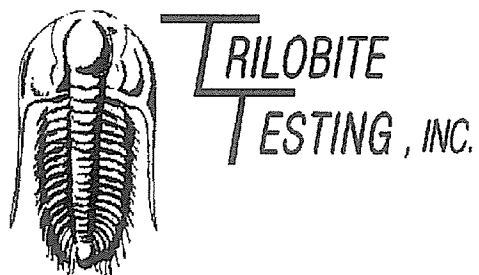
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48770

Printed: 2013.08.06 @ 15:16:42



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Rocket Science #1

25-17s-27w Lane,KS

Start Date: 2013.08.02 @ 21:12:00

End Date: 2013.08.03 @ 03:32:00

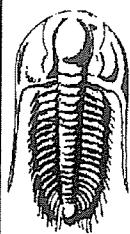
Job Ticket #: 48771 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.06 @ 15:14:24



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane,KS

Rocket Science #1

Job Ticket: 48771

DST#: 3

Test Start: 2013.08.02 @ 21:12:00

GENERAL INFORMATION:

Formation: **LKC- K & L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:04:00

Time Test Ended: 03:32:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4171.00 ft (KB) To 4265.00 ft (KB) (TVD)**

Total Depth: 4265.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: 249.86 psig @ 4172.00 ft (KB)

Start Date: 2013.08.02

End Date:

2013.08.03

Start Time: 21:12:05

End Time:

03:31:59

Capacity: 8000.00 psig

Last Calib.: 2013.08.03

Time On Btm: 2013.08.02 @ 23:03:45

Time Off Btm: 2013.08.03 @ 01:06:45

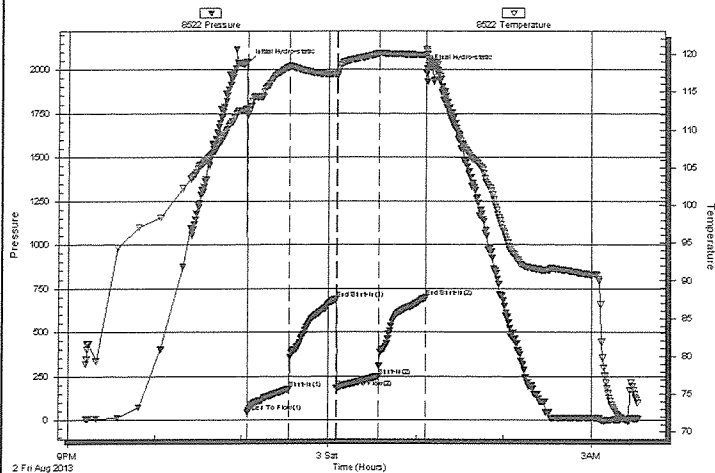
TEST COMMENT: IF: BOB @ 11 min.

ISI: No return.

FF: BOB @ 22 min.

FSI: No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2041.03	112.64	Initial Hydro-static
1	42.63	111.81	Open To Flow (1)
30	177.55	118.31	Shut-In(1)
62	689.36	117.35	End Shut-In(1)
62	182.21	117.13	Open To Flow (2)
91	249.86	120.09	Shut-In(2)
123	696.17	119.89	End Shut-In(2)
123	2008.41	120.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
490.00	mcw 10m 90w (oil spots)	5.78

* Recovery from multiple tests

Gas Rates

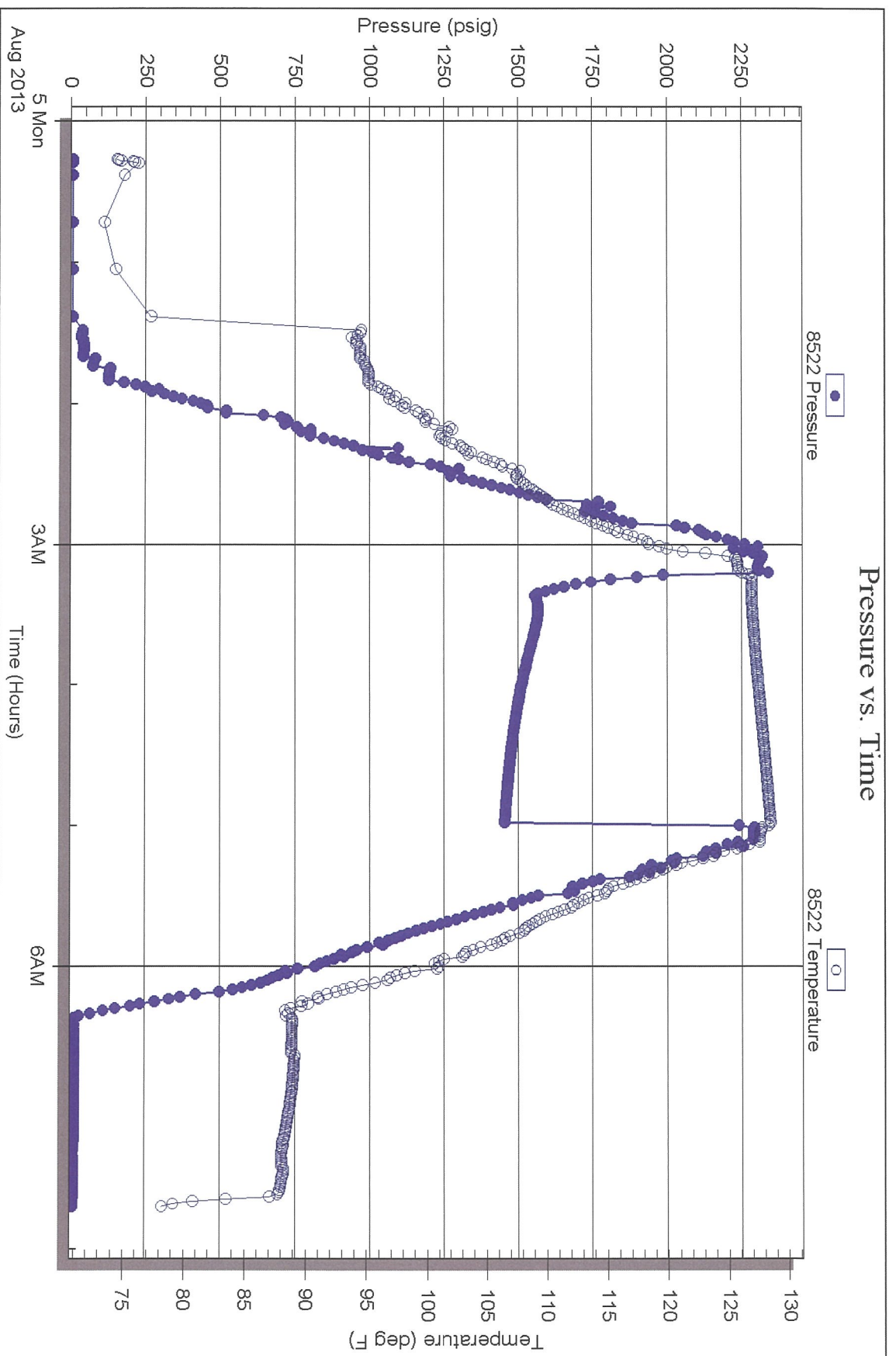
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Serial #: 8522

Below (Stratton) Petroleum, Inc

Rocket Science #1

DST Test Number: 5





Palomino Petroleum, Inc

ATTN: Ryan Seib

Rocket Science #1

Job Ticket: 48771

DST#: 3

Test Start: 2013.08.02 @ 21:12:00

Formation: LKC- K & L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:04:00

Time Test Ended: 03:32:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4171.00 ft (KB) To 4265.00 ft (KB) (TVD)

Reference Elevations: 2611.00 ft (KB)

Total Depth: 4265.00 ft (KB) (TVD)

2606.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8677

inside

Press@RunDepth: psig @ 4172.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.02

End Date:

2013.08.03

Last Calib.: 2013.08.03

Start Time: 21:12:05

End Time:

03:30:59

Time On Btm:

Time Off Btm:

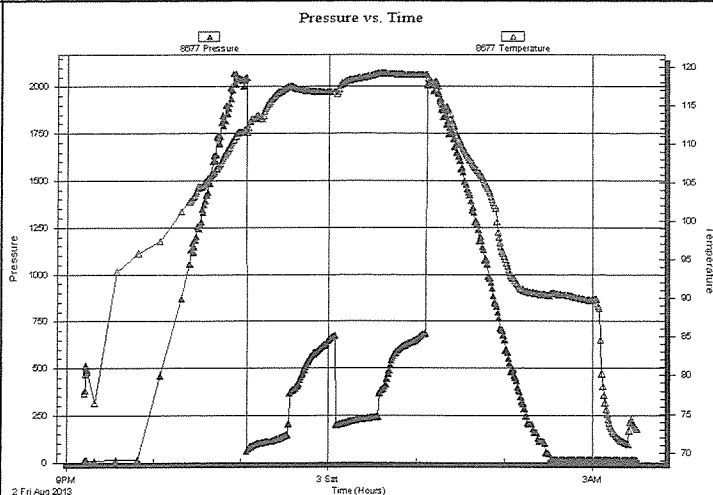
TEST COMMENT:

IF: BOB @ 11 min.

ISI: No return.

FF: BOB @ 22 min.

FSI: No return



PRESSURE SUMMARY

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

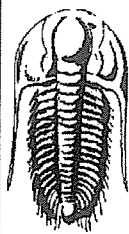
Recovery

Length (ft)	Description	Volume (bbl)
490.00	mcw 10m 90w (oil spots)	5.78

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

25-17s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 48771

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.08.02 @ 21:12:00

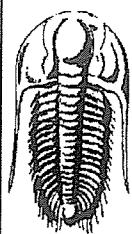
Tool Information

Drill Pipe:	Length:	4046.00 ft	Diameter:	3.80 inches	Volume:	56.75 bbl	Tool Weight:	2500.00 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:	75000.00 lb
					Total Volume:	57.34 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft						String Weight: Initial	60000.00 lb
Depth to Top Packer:	4171.00 ft						Final	62000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	94.00 ft							
Tool Length:	121.00 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			4145.00	
Shut In Tool	5.00			4150.00	
Hydraulic tool	5.00			4155.00	
Jars	5.00			4160.00	
Safety Joint	2.00			4162.00	
Packer	5.00			4167.00	27.00 Bottom Of Top Packer
Packer	4.00			4171.00	
Stubb	1.00			4172.00	
Recorder	0.00	8677	Inside	4172.00	
Recorder	0.00	8522	Outside	4172.00	
Perforations	25.00			4197.00	
Change Over Sub	1.00			4198.00	
Drill Pipe	63.00			4261.00	
Change Over Sub	1.00			4262.00	
Bullnose	3.00			4265.00	94.00 Bottom Packers & Anchor

Total Tool Length: 121.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 48771

DST#: 3

ATTN: Ryan Seib

Test Start: 2013.08.02 @ 21:12:00

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:

90000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
490.00	mcw 10m 90w (oil spots)	5.780

Total Length: 490.00 ft Total Volume: 5.780 bbl

Num Fluid Samples: 0

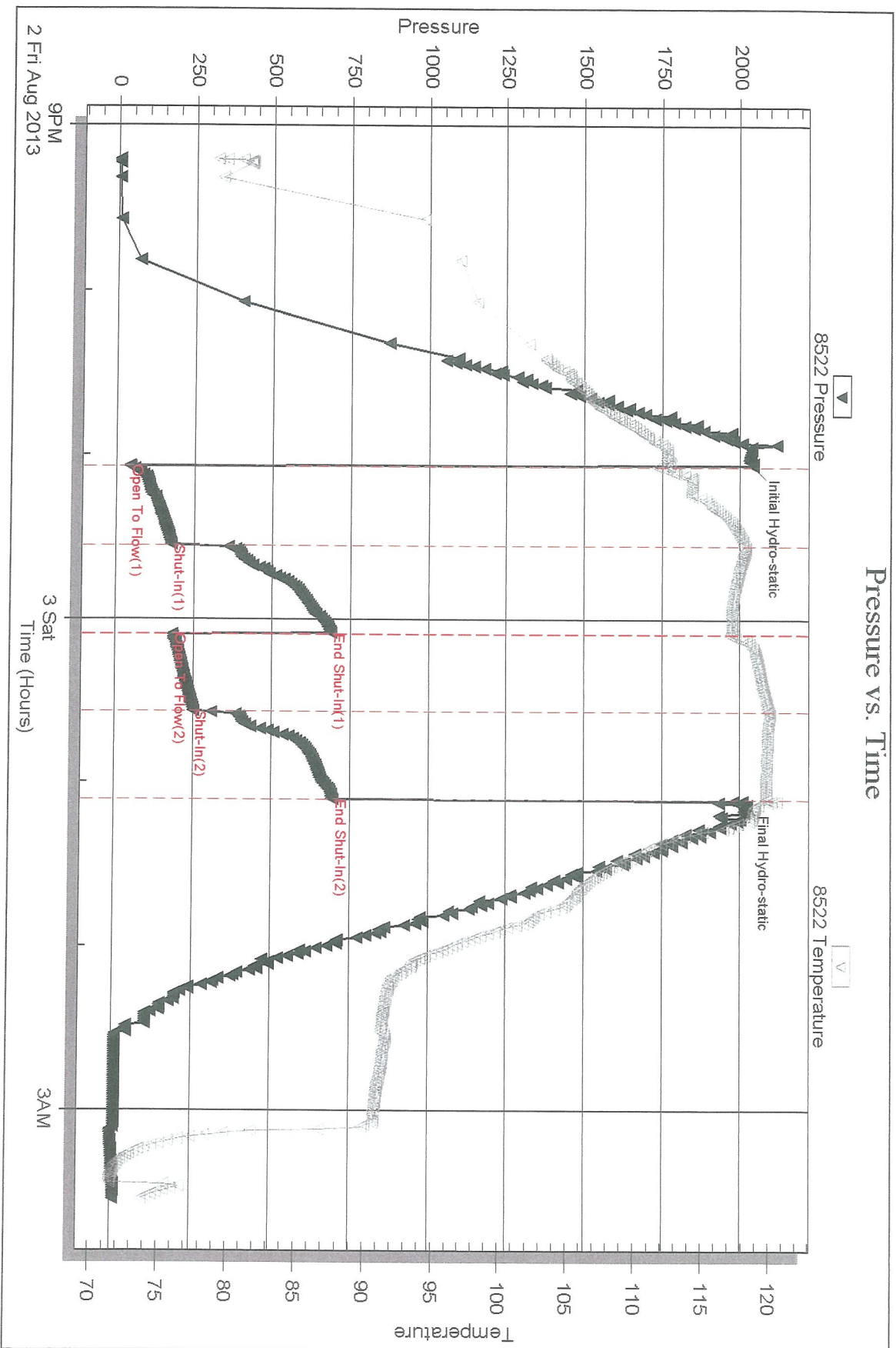
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .103 @ 63 = 90000ppm



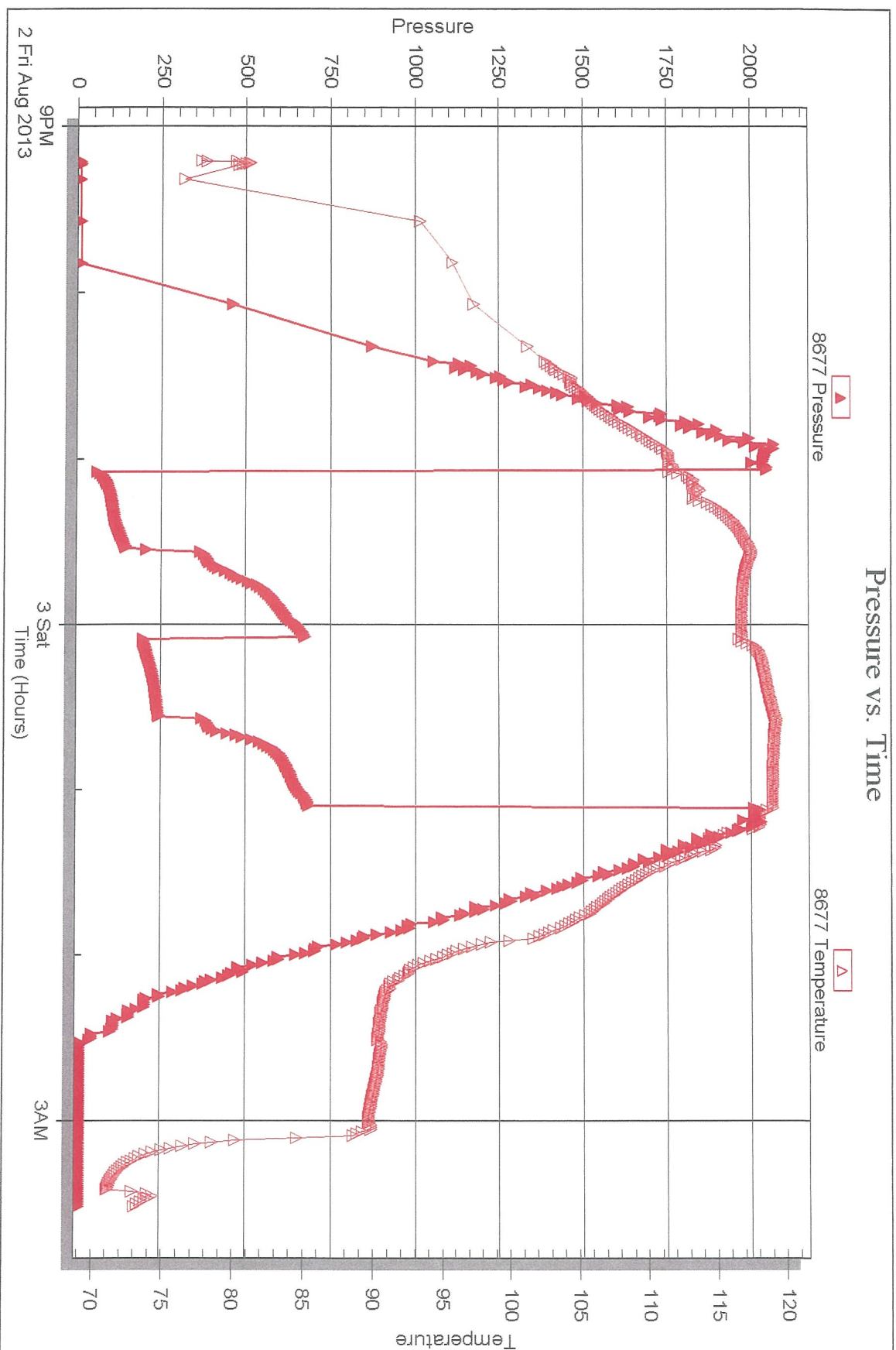
Serial #: 8677

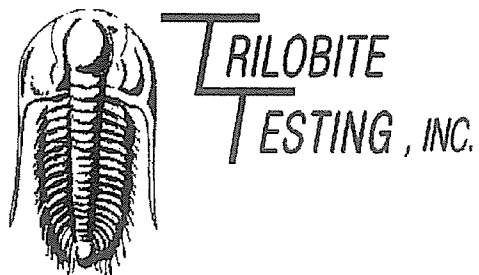
Inside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Rocket Science #1

25-17s-27w Lane,KS

Start Date: 2013.08.03 @ 22:54:00

End Date: 2013.08.04 @ 05:04:00

Job Ticket #: 53034 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.06 @ 15:13:39

Palomino Petroleum, Inc

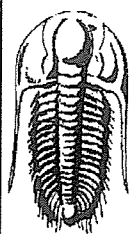
25-17s-27w Lane,KS

Rocket Science #1

DST # 4

Marmaton-Pawnee-Ft S

2013.08.03



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane,KS

Rocket Science #1

Job Ticket: 53034

DST#: 4

Test Start: 2013.08.03 @ 22:54:00

GENERAL INFORMATION:

Formation: **Marmaton-Pawnee-Ft S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:13:30

Time Test Ended: 05:04:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

Interval: **4248.00 ft (KB) To 4476.00 ft (KB) (TVD)**

Total Depth: 4476.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8677

Inside

Press@RunDepth: 438.25 psig @ 4252.00 ft (KB)

Start Date: 2013.08.03

End Date:

2013.08.04

Start Time: 22:54:05

End Time:

05:03:59

Capacity: 8000.00 psig

Last Calib.: 2013.08.04

Time On Btm: 2013.08.04 @ 01:13:15

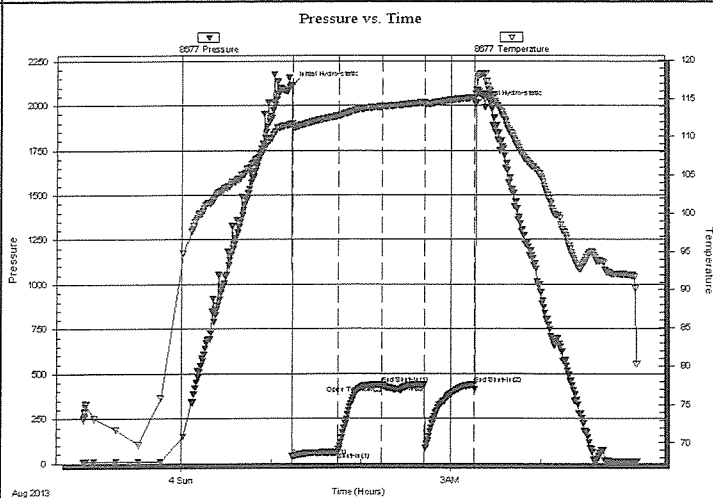
Time Off Btm: 2013.08.04 @ 03:16:45

TEST COMMENT: IF: 2" of blow

ISI: No return

FF: No blow

FSI: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.90	111.68	Initial Hydro-static
1	39.31	111.12	Open To Flow (1)
31	61.18	112.68	Shut-In(1)
61	441.72	113.92	End Shut-In(1)
61	433.00	113.91	Open To Flow (2)
90	438.25	114.43	Shut-In(2)
123	439.35	115.10	End Shut-In(2)
124	2007.21	115.59	Final Hydro-static

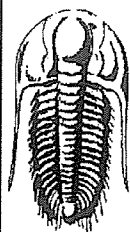
Recovery

Length (ft)	Description	Volume (bbl)
70.00	Thick Mud-slight gas odor 100m	0.34

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane, KS

Rocket Science #1

Job Ticket: 53034

DST#: 4

Test Start: 2013.08.03 @ 22:54:00

GENERAL INFORMATION:

Formation: **Marmaton-Pawnee-Ft S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:13:30

Time Test Ended: 05:04:00

Interval: **4248.00 ft (KB) To 4476.00 ft (KB) (TVD)**

Total Depth: 4476.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press@RunDepth: psig @ 4252.00 ft (KB)

Start Date: 2013.08.03

End Date: 2013.08.04

Capacity: 8000.00 psig

Last Calib.: 2013.08.04

Start Time: 22:54:05

End Time: 05:04:59

Time On Btm:

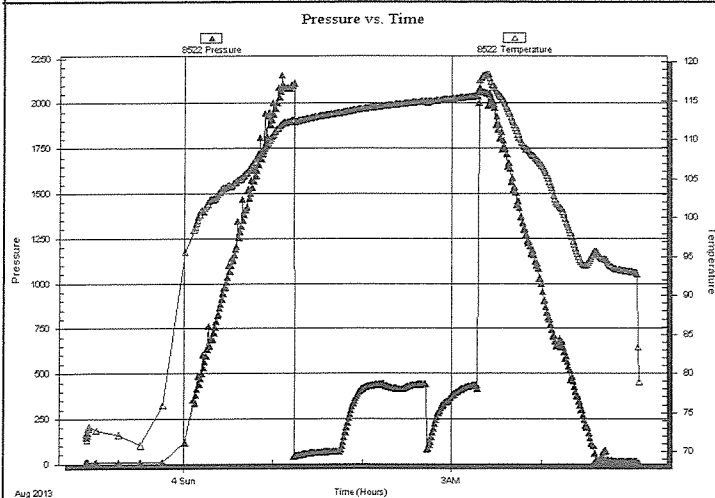
Time Off Btm:

TEST COMMENT: IF: 2" of blow

ISI: No return

FF: No blow

FSI: No return



PRESSURE SUMMARY

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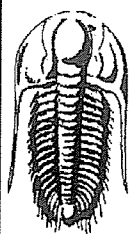
Recovery

Length (ft)	Description	Volume (bbl)
70.00	Thick Mud-slight gas odor 100m	0.34

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 53034

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.08.03 @ 22:54:00

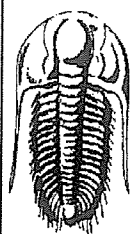
Tool Information

Drill Pipe:	Length: 4106.00 ft	Diameter: 3.80 inches	Volume: 57.60 bbl	Tool Weight: 2500.00 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: 70000.00 lb
		Total Volume: 58.19 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4248.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	228.00 ft			
Tool Length:	255.00 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			4222.00	
Shut In Tool	5.00			4227.00	
Hydraulic tool	5.00			4232.00	
Jars	5.00			4237.00	
Safety Joint	2.00			4239.00	
Packer	5.00			4244.00	27.00 Bottom Of Top Packer
Packer	4.00			4248.00	
Stubb	1.00			4249.00	
Perforations	3.00			4252.00	
Recorder	0.00	8677	Inside	4252.00	
Recorder	0.00	8522	Outside	4252.00	
Change Over Sub	1.00			4253.00	
Drill Pipe	219.00			4472.00	
Change Over Sub	1.00			4473.00	
Bullnose	3.00			4476.00	228.00 Bottom Packers & Anchor

Total Tool Length: 255.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

25-17s-27w Lane,KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 53034

DST#: 4

ATTN: Ryan Seib

Test Start: 2013.08.03 @ 22:54:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Thick Mud-slight gas odor 100m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: First shut-in was turned 7 times-Heavy -thick mud plugged off second open-recovery 70' thick mud-slight gas odor

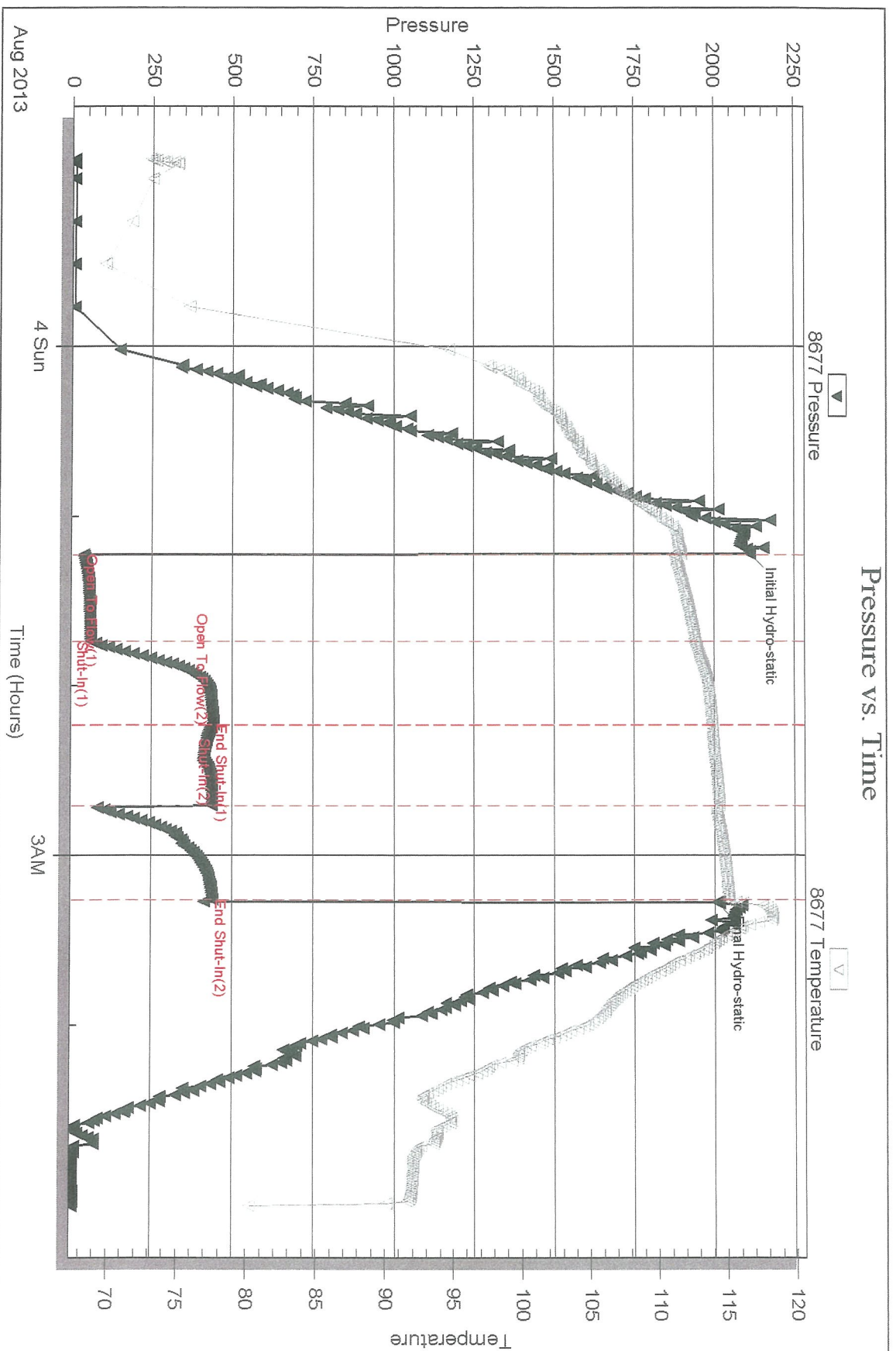
Serial #: 8677

Inside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 4

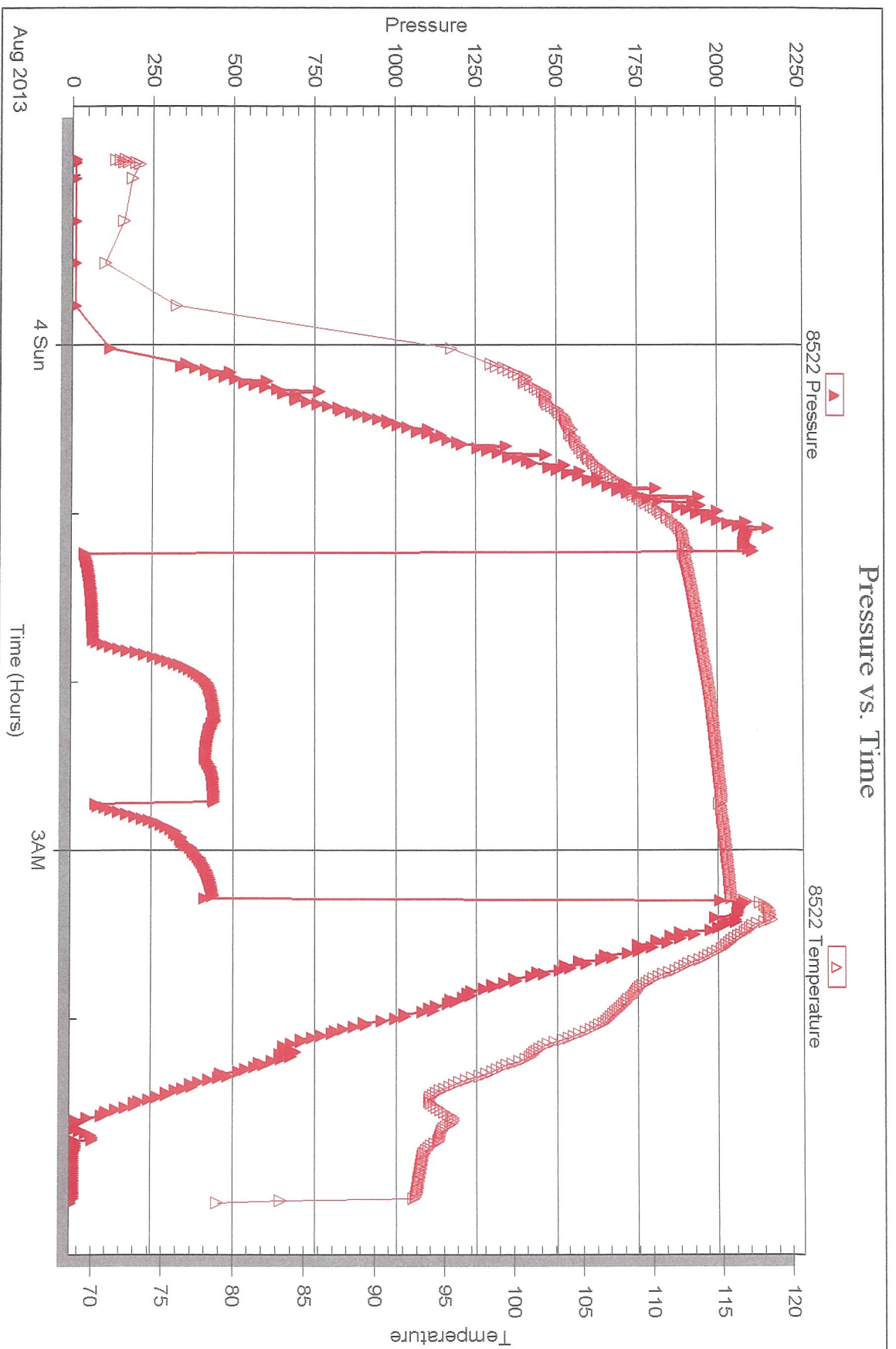


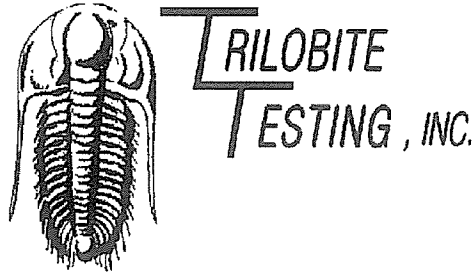
Serial #: 8522

Outside Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Rocket Science #1

25-17s-27w Lane,KS

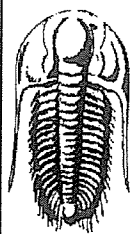
Start Date: 2013.08.05 @ 00:16:00

End Date: 2013.08.05 @ 07:40:45

Job Ticket #: 53035 DST #: 5

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

Printed: 2013.08.06 @ 15:12:31



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc

4924 SE 84th St
New ton, KS 67114

ATTN: Ryan Seib

25-17s-27w Lane, KS

Rocket Science #1

Job Ticket: 53035

DST#: 5

Test Start: 2013.08.05 @ 00:16:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:12:30

Time Test Ended: 07:40:45

Test Type: Conventional Straddle (Reset)

Tester: Cornelio Landa III (

Unit No: 69

Interval: **4488.00 ft (KB) To 4560.00 ft (KB) (TVD)**

Total Depth: 4654.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8677 Inside

Press@RunDepth: 32.58 psig @ 4492.00 ft (KB)

Start Date: 2013.08.05

End Date:

2013.08.05

Start Time: 00:16:05

End Time:

07:40:44

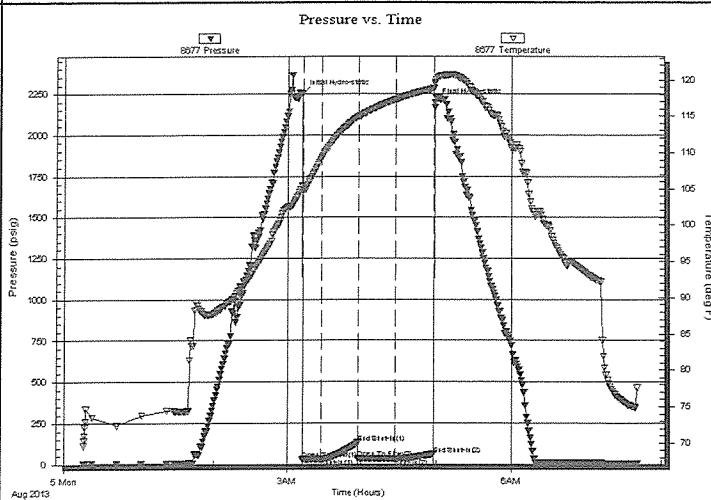
Capacity: 8000.00 psig

Last Calib.: 2013.08.05

Time On Btm: 2013.08.05 @ 03:12:00

Time Off Btm: 2013.08.05 @ 04:58:30

TEST COMMENT: IF: 1/4" Blow
ISI: No return
FF: No Blow
FSI: No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.13	105.47	Initial Hydro-static
1	29.52	104.91	Open To Flow (1)
16	31.09	109.12	Shut-In (1)
46	130.14	114.93	End Shut-In (1)
46	32.28	114.92	Open To Flow (2)
75	32.58	117.27	Shut-In (2)
106	59.53	118.83	End Shut-In (2)
107	2198.01	119.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w ith oil specs	0.02

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Palomino Petroleum, Inc.

ATTN: Ryan Seib

Rocket Science #1

Job Ticket: 53035

DST#: 5

Test Start: 2013.08.05 @ 00:16:00

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:12:30

Time Test Ended: 07:40:45

Test Type: Conventional Straddle (Reset)

Tester: Cornelio Landa III (

Unit No: 69

Interval: 4488.00 ft (KB) To 4560.00 ft (KB) (TVD)

Total Depth: 4654.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Fair

Reference Elevations: 2611.00 ft (KB)

2606.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8678 Outside

Press@RunDepth: psig @ 4492.00 ft (KB)

Start Date: 2013.08.05

End Date:

2013.08.05

Start Time: 00:16:05

End Time:

07:40:59

Capacity: 8000.00 psia

Last Calib.: 2013.08.05

Time On Btm:

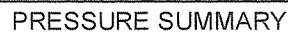
Time Off Btm:

TEST COMMENT: IF: 1/4" Blow

ISI: No return

FF: No Blow

FSI: No return



Recovery

Gas Rates

* Recovery from multiple tests



25-17s-27w Lane,KS

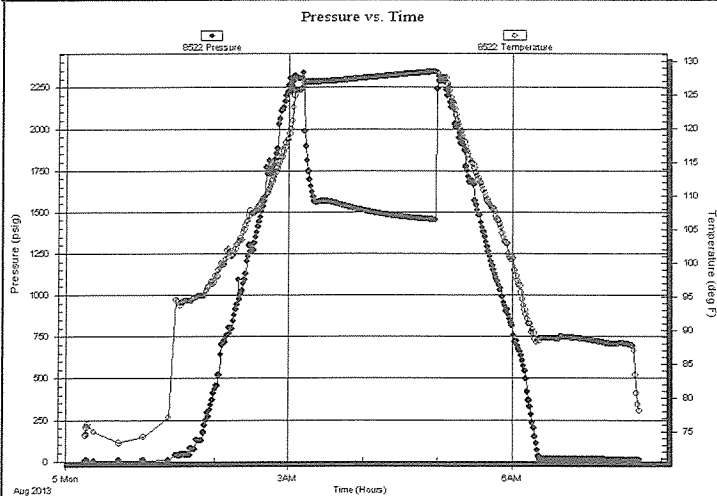
Job Ticket: 53035

Test Start: 2013.08.05 @ 00:16:00

KB to GR/CF: 5.00 ft

Time Off Btm:

TEST COMMENT: IF: 1/4" Blow
ISI: No return
FF: No Blow
FSI: No return



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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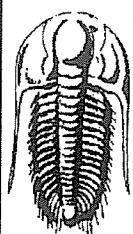
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Length (ft)	Description	Volume (bbl)
5.00	Mud with oil specs	0.02

* Recovery from multiple tests

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

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 53035

DST#: 5

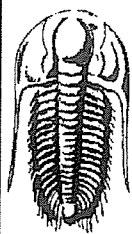
ATTN: Ryan Seib

Test Start: 2013.08.05 @ 00:16:00

Tool Information

Drill Pipe:	Length: 4356.00 ft	Diameter: 3.80 inches	Volume: 61.10 bbl	Tool Weight: 2500.00 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: 76000.00 lb
		Total Volume: 61.69 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4488.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	4654.00 ft			
Interval between Packers:	166.00 ft			
Tool Length:	193.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments: Log TD @ 4654-Drillograph @ 4658 Tail 94' Anchor 72'				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4462.00	
Shut In Tool	5.00			4467.00	
Hydraulic tool	5.00			4472.00	
Jars	5.00			4477.00	
Safety Joint	2.00			4479.00	
Packer	5.00			4484.00	27.00 Bottom Of Top Packer
Packer	4.00			4488.00	
Stubb	1.00			4489.00	
Perforations	2.00			4491.00	
Change Over Sub	1.00			4492.00	
Recorder	0.00	8677	Inside	4492.00	
Recorder	0.00	8678	Outside	4492.00	
Drill Pipe	63.00			4555.00	
Change Over Sub	1.00			4556.00	
Blank Off Sub	1.00			4557.00	
Shale Packer	3.00			4560.00	
Stubb	1.00			4561.00	
Perforations	25.00			4586.00	
Change Over Sub	1.00			4587.00	
Drill Pipe	63.00			4650.00	
Change Over Sub	1.00			4651.00	
Recorder	0.00	8522	Below	4651.00	
Bullnose	3.00			4654.00	166.00 Bottom Packers & Anchor
Total Tool Length:	193.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc

25-17s-27w Lane, KS

4924 SE 84th St
New ton, KS 67114

Rocket Science #1

Job Ticket: 53035

DST#: 5

ATTN: Ryan Seib

Test Start: 2013.08.05 @ 00:16:00

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud with oil specs	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:

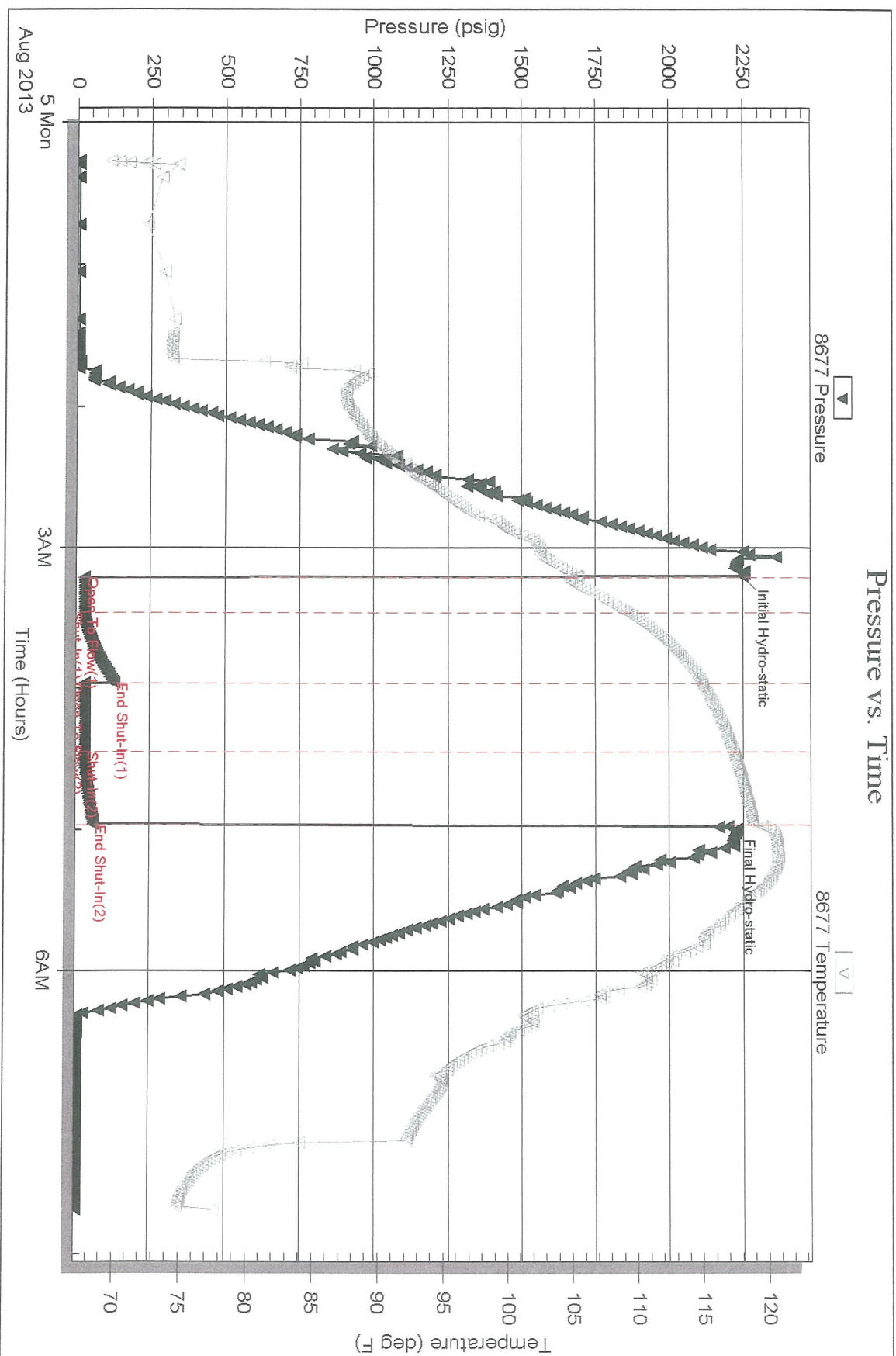
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Inside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 5



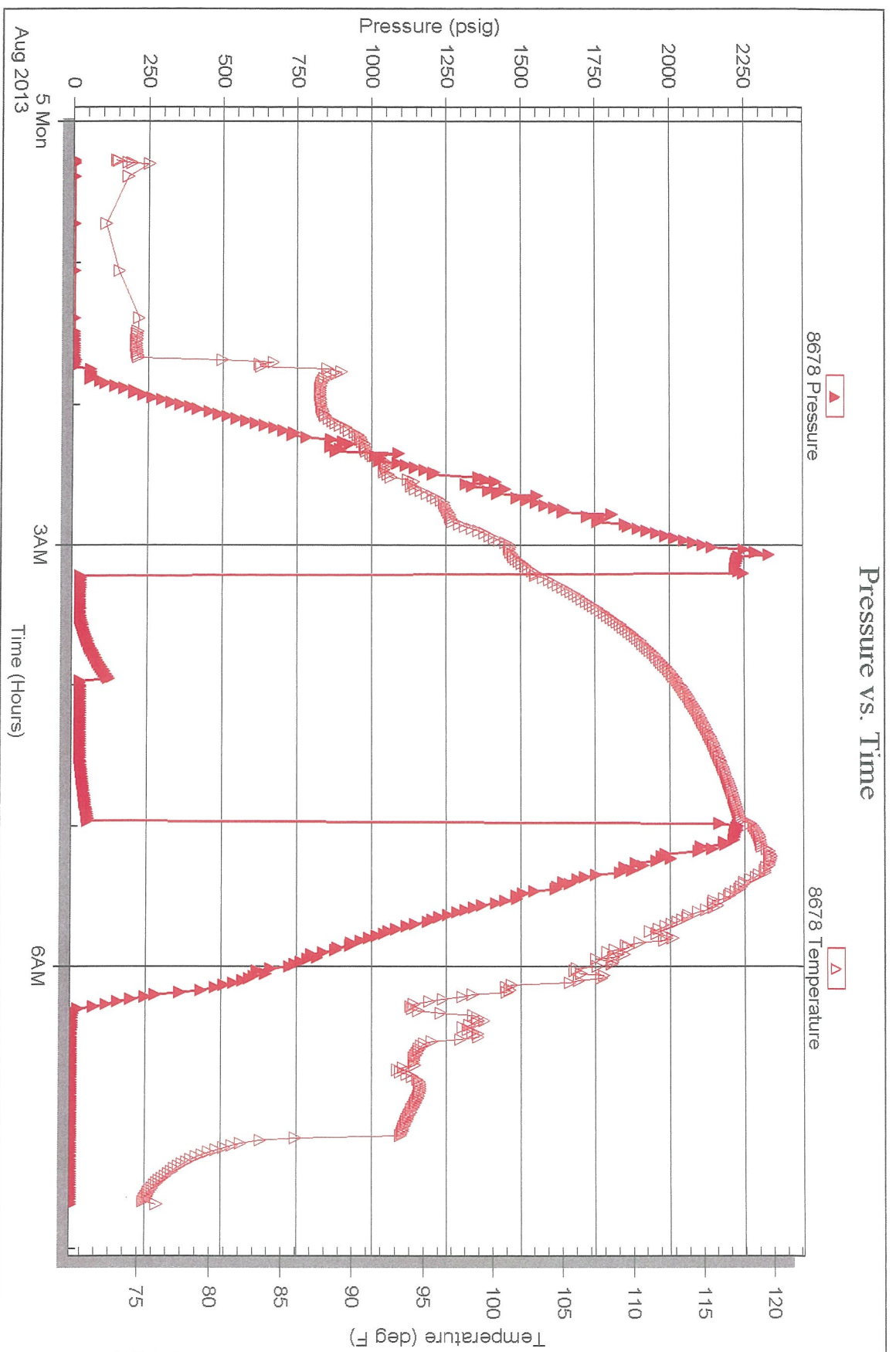
Serial #: 8678

Outside

Palomino Petroleum, Inc

Rocket Science #1

DST Test Number: 5

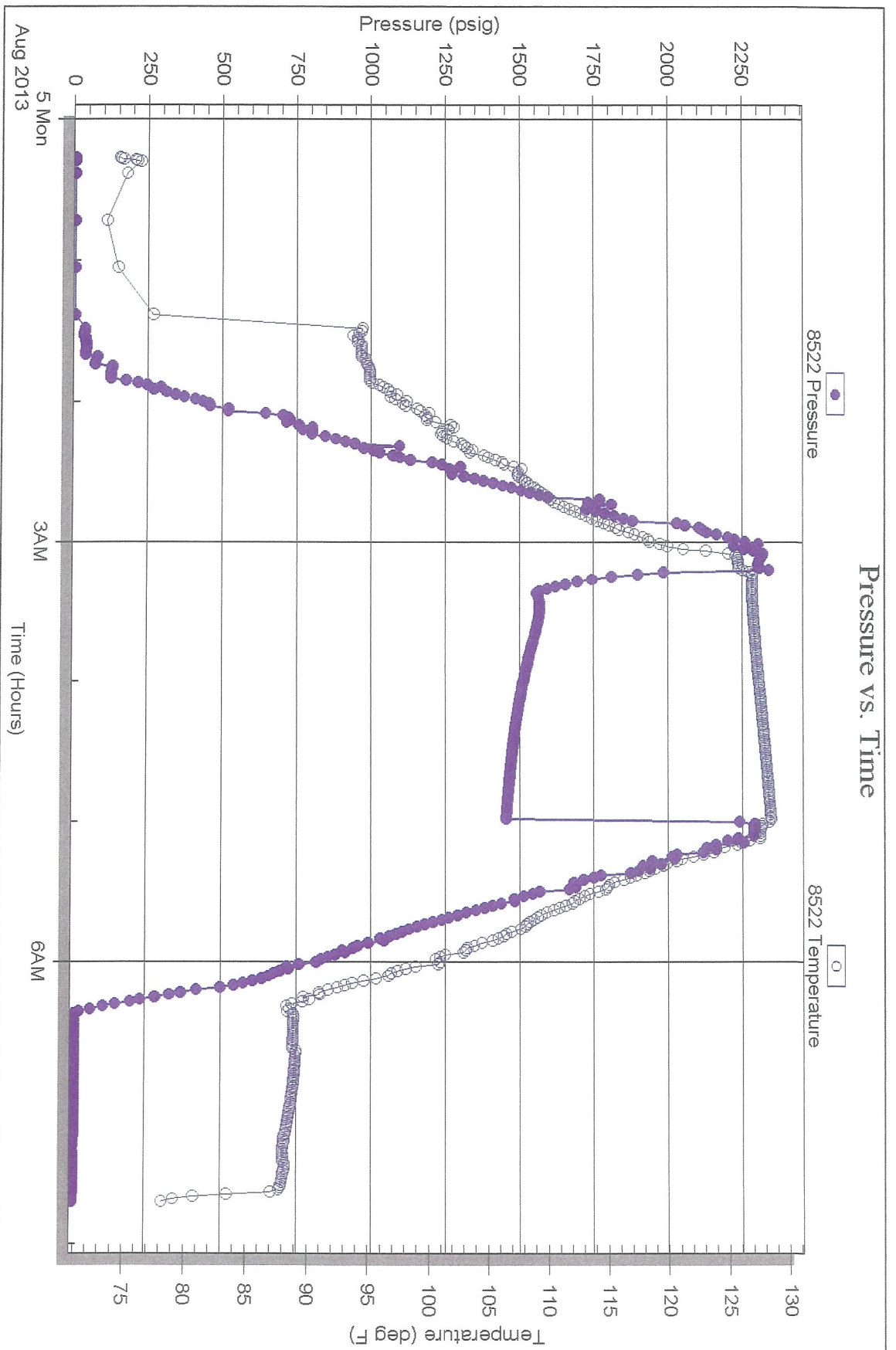


Serial #: 8522

Below (Stratton Petroleum, Inc

Rocket Science #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 53035

Printed: 2013.08.06 @ 15:12:36

Serial #: 8522

Below (Strathmore Petroleum, Inc

Rocket Science #1

DST Test Number: 5

