



**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: 6/3/2015  
 Invoice # 945  
 P.O.#:  
 Due Date: 7/3/2015  
 Division: Russell

RECEIVED  
 JUN 08 2015

# Invoice

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

**Reference:**  
 HANNA 1

**Description of Work:**  
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 636.07	No				
Common-Class A	120	\$ 1,733.78	Yes				
Calcium Chloride	6	\$ 290.67	Yes				
POZ Mix-Standard	30	\$ 182.78	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 138.39	No				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 119.68	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 76.16	No				
Premium Gel (Bentonite)	3	\$ 42.51	Yes				

**Invoice Terms:**

Net 30

SubTotal: \$ 3,220.02  
 Discount Available ONLY if Invoice is Paid & Received  
 within listed terms of invoice: \$ (80.50)

SubTotal for Taxable Items: \$ 2,193.49  
 SubTotal for Non-Taxable Items: \$ 946.03

7.90% Gove County Sales Tax

Total: \$ 3,139.52  
 Tax: \$ 173.29

**Thank You For Your Business!**

**Amount Due: \$ 3,312.81**  
**Applied Payments:**  
**Balance Due: \$ 3,312.81**

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. 945

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-3-15	14	14	31	Gove	KS		7:30 PM
Location				Gove 72W 10 Rd 22 7S L Rd 2W S1/4			

Lease	Hanna	Well No.	#1	Owner	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.
Contractor	W W #8			Charge To	Palomino Petroleum
Type Job	Surface			Street	
Hole Size	12 1/4	T.D.	218'	City	State
Csg.	9 5/4	Depth	218	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	150 #/10 3 1/10 cc 2 1/10 gal
Tool		Depth			
Cement Left in Csg.	18'	Shoe Joint			
Meas Line		Displace	12 3/4		

**EQUIPMENT**

Pumptrk	18	No.	Cementer Helper	Cody	Common	120
Bulktrk	9	No.	Driver	Glenn	Poz. Mix	30
Bulktrk	PU	No.	Driver	Brett	Gel.	3
			Driver		Calcium	6

**JOB SERVICES & REMARKS**

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38

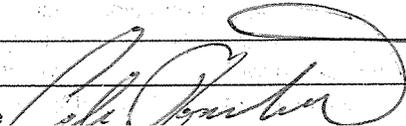
Cement

Circulated!!

**FLOAT EQUIPMENT**

Handling	159
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge Surface  
Mileage 25

X Signature 

Tax	
Discount	
Total Charge	



**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: 6/11/2015  
 Invoice # 949 **RECEIVED**  
 P.O.#: **JUN 19 2015**  
 Due Date: 7/11/2015  
 Division: *Russell*

# Invoice

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

**Reference:**  
 HANNA 1

**Description of Work:**  
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 620.74	Yes				
Common-Class A	144	\$ 2,030.40	Yes				
POZ Mix-Standard	96	\$ 570.80	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 211.50	Yes				
Premium Gel (Bentonite)	9	\$ 124.45	Yes				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 116.79	Yes				
Flo Seal	60	\$ 101.93	Yes				
Dry Hole Plug	1	\$ 47.57	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	5	\$ 14.86	Yes				

**Invoice Terms:**

Net 30

*SubTotal: \$ 3,839.04*  
*Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (95.98)*

*SubTotal for Taxable Items: \$ 3,743.06*  
*SubTotal for Non-Taxable Items: \$ -*

7.90% Gove County Sales Tax

*Total: \$ 3,743.06*  
*Tax: \$ 295.70*

**Thank You For Your Business!**

**Amount Due: \$ 4,038.76**  
**Applied Payments:**  
**Balance Due: \$ 4,038.76**

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. 949

Date	6-11-15	Sec.	14	Twp.	14	Range	31	County	Gove	State	Ks	On Location		Finish	5:00 PM
------	---------	------	----	------	----	-------	----	--------	------	-------	----	-------------	--	--------	---------

Location Gove 12 W 75 JW S into

Lease	Hanna	Well No.	#1	Owner	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.
Contractor	W W #10				
Type Job	Plug				
Hole Size	7 7/8	T.D.	49 15	Charge To	Palamino petroleum
Csg.	Drill Pipe	Depth		Street	
Tbg. Size		Depth		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	240 60/40 4% Gel 1/4 Flt

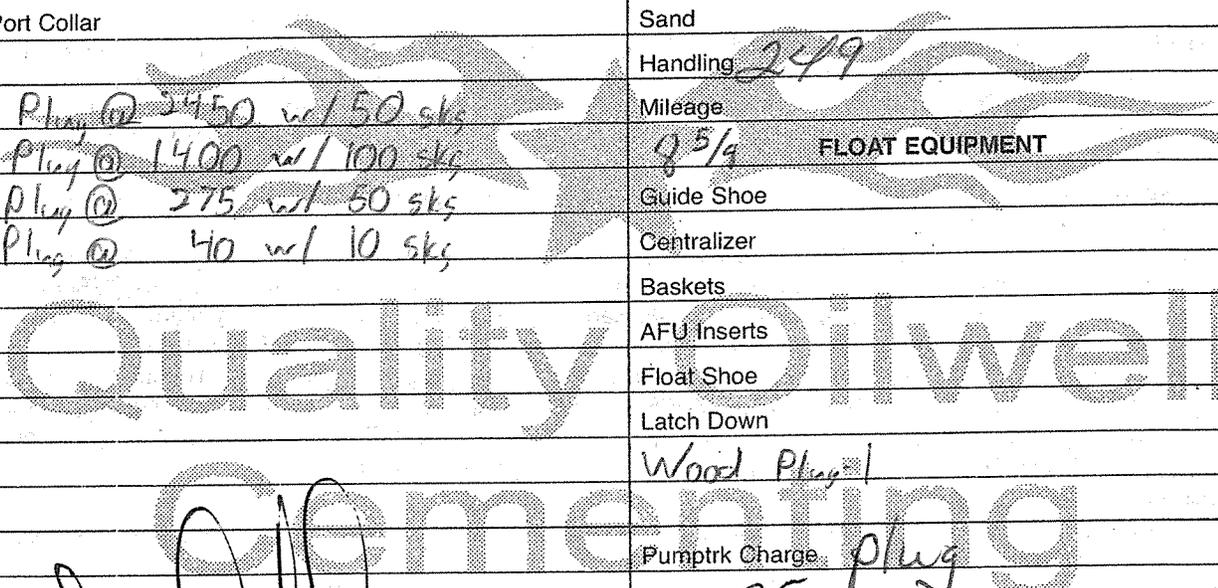
Meas Line	Displace		
<b>EQUIPMENT</b>		Common	144
Pumptrk	5 No. Cementer Helper	Poz. Mix	96
Bulktrk	15 No. Driver	Gel.	9
Bulktrk	PU No. Driver	Calcium	

<b>JOB SERVICES &amp; REMARKS</b>		Hulls	
Remarks:		Salt	
Rat Hole	30 ay	Flowseal	60 FT
Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
		Handling	249

1st Plug @	2450 w/ 50 sks	Mileage	8 5/9
2nd Plug @	1400 w/ 100 sks	<b>FLOAT EQUIPMENT</b>	
3rd Plug @	275 w/ 60 sks	Guide Shoe	
4th Plug @	40 w/ 10 sks	Centralizer	

		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
		Wood Plug	
		Pumptrk Charge	plug
		Mileage	25

X Signature		Tax	
		Discount	
		Total Charge	





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
 4924 SE 84th St.  
 Newton, Ks 67114  
 ATTN: Ryan Seib

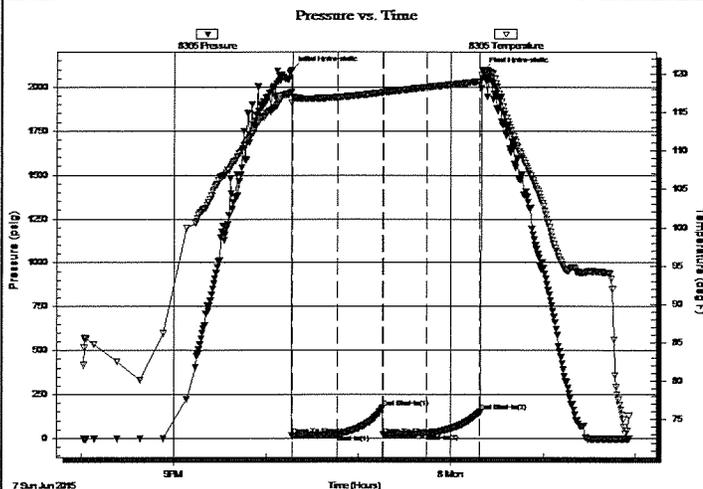
**14 14s 3w Gove, Ks**  
**Hanna #1**  
 Job Ticket: 57417      **DST#: 1**  
 Test Start: 2015.06.07 @ 20:01:00

**GENERAL INFORMATION:**

Formation: **LKC I**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:16:30  
 Time Test Ended: 01:56:00  
 Interval: **4200.00 ft (KB) To 4232.00 ft (KB) (TVD)**  
 Total Depth: 4032.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2940.00 ft (KB)  
 2935.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8365**      **Inside**  
 Press@RunDepth: 25.94 psig @ 4001.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.06.07      End Date: 2015.06.08      Last Calib.: 2015.06.08  
 Start Time: 20:01:05      End Time: 01:55:59      Time On Btm: 2015.06.07 @ 22:16:15  
 Time Off Btm: 2015.06.08 @ 00:21:00

**TEST COMMENT:** IF: 1" blow , receded to 1/2"  
 IS: No return.  
 FF: Surface blow .  
 FSI: No return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.31	117.58	Initial Hydro-static
1	14.29	116.22	Open To Flow (1)
31	22.49	116.92	Shut-In(1)
60	172.01	117.53	End Shut-In(1)
60	18.33	117.61	Open To Flow (2)
89	25.94	118.22	Shut-In(2)
123	151.84	118.97	End Shut-In(2)
125	2090.29	120.48	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
30.00	ocm 25o 75m	0.15
0.00	30' GIP	0.00

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**14 14s 3w Gove, Ks**

4924 SE 84th St.  
New ton, Ks 67114

**Hanna #1**

Job Ticket: 57417

**DST#: 1**

ATTN: Ryan Seib

Test Start: 2015.06.07 @ 20:01:00

### 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: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	ocm 25o 75m	0.148
0.00	30' GIP	0.000

Total Length: 30.00 ft

Total Volume: 0.148 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8365

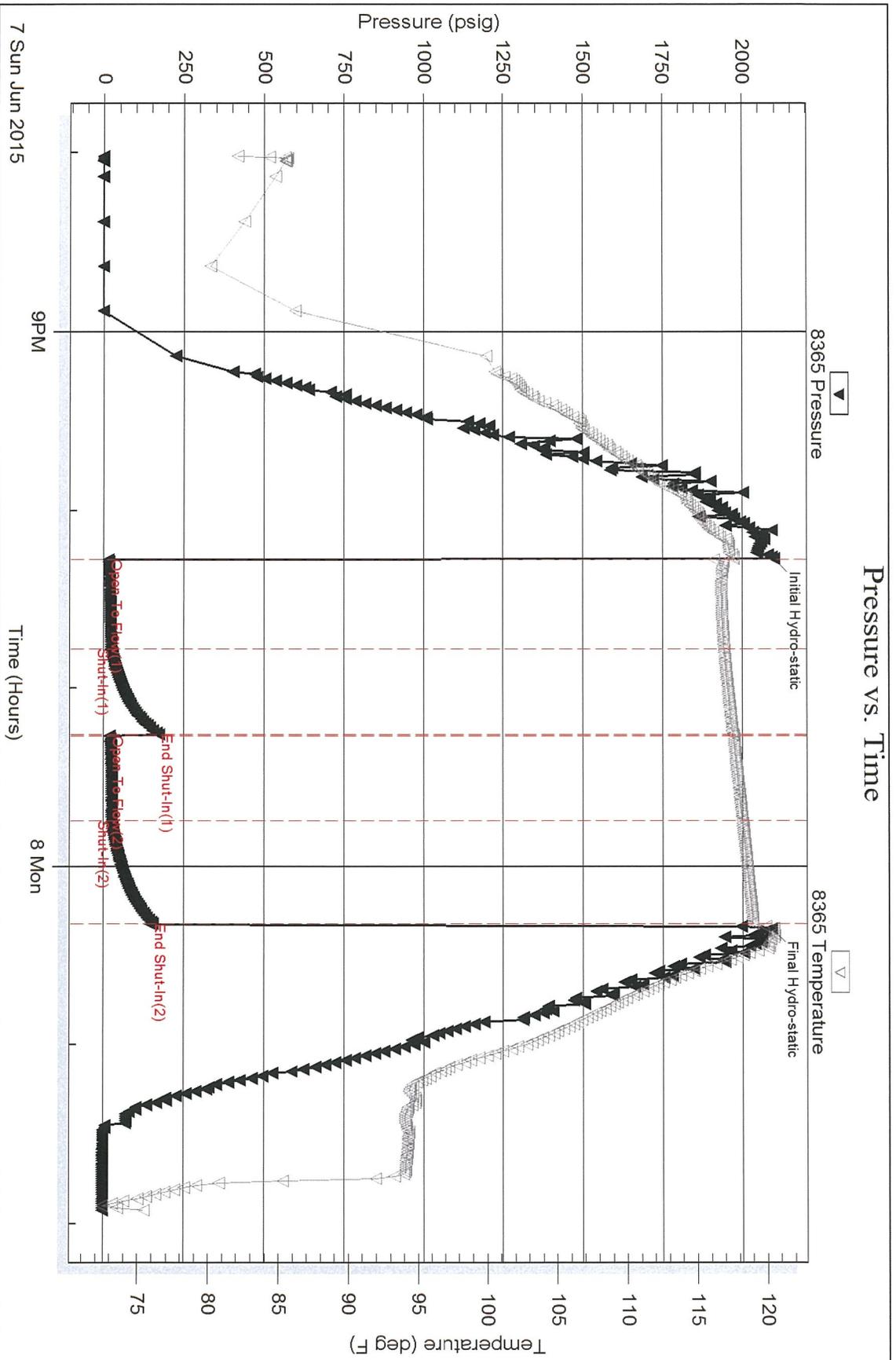
Inside

Palomino Petroleum, Inc

Hanna #1

DST Test Number: 1

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, Ks 67114  
ATTN: Ryan Seib

**14 14s 3w Gove, Ks**  
**Hanna #1**  
Job Ticket: 57418      **DST#: 2**  
Test Start: 2015.06.08 @ 12:57:00

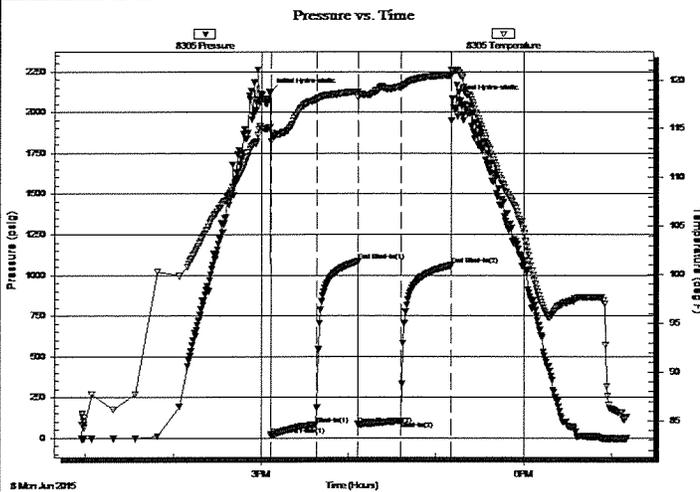
## GENERAL INFORMATION:

Formation: **LKC J-L**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 15:06:45  
 Time Test Ended: 19:10:45  
 Interval: **4250.00 ft (KB) To 4339.00 ft (KB) (TVD)**  
 Total Depth: **4339.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Bradley Walter**  
 Unit No: **69**  
 Reference Elevations: **2940.00 ft (KB)**  
**2935.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 8365**      **Inside**  
 Press@RunDepth: **105.83 psig @ 4251.00 ft (KB)**  
 Start Date: **2015.06.08**      End Date: **2015.06.08**  
 Start Time: **12:57:05**      End Time: **19:10:44**  
 Capacity: **8000.00 psig**  
 Last Calib.: **2015.06.08**  
 Time On Btm: **2015.06.08 @ 15:06:15**  
 Time Off Btm: **2015.06.08 @ 17:11:45**

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.03	115.15	Initial Hydro-static
1	19.58	113.66	Open To Flow (1)
32	82.48	118.00	Shut-In(1)
61	1083.60	118.81	End Shut-In(1)
61	84.83	118.17	Open To Flow (2)
90	105.83	119.31	Shut-In(2)
125	1059.95	120.49	End Shut-In(2)
126	2082.62	120.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
200.00	w cm 30w 70m (Oil spots)	1.71

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, Ks 67114  
ATTN: Ryan Seib

**14 14s 3w Gove, Ks**  
**Hanna #1**  
Job Ticket: 57418      **DST#: 2**  
Test Start: 2015.06.08 @ 12:57:00

## 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:	22000 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	w cm 30w 70m (Oil spots)	1.712

Total Length: 200.00 ft      Total Volume: 1.712 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: rw is .320 @ 70f = 22,000ppm

Serial #: 8365

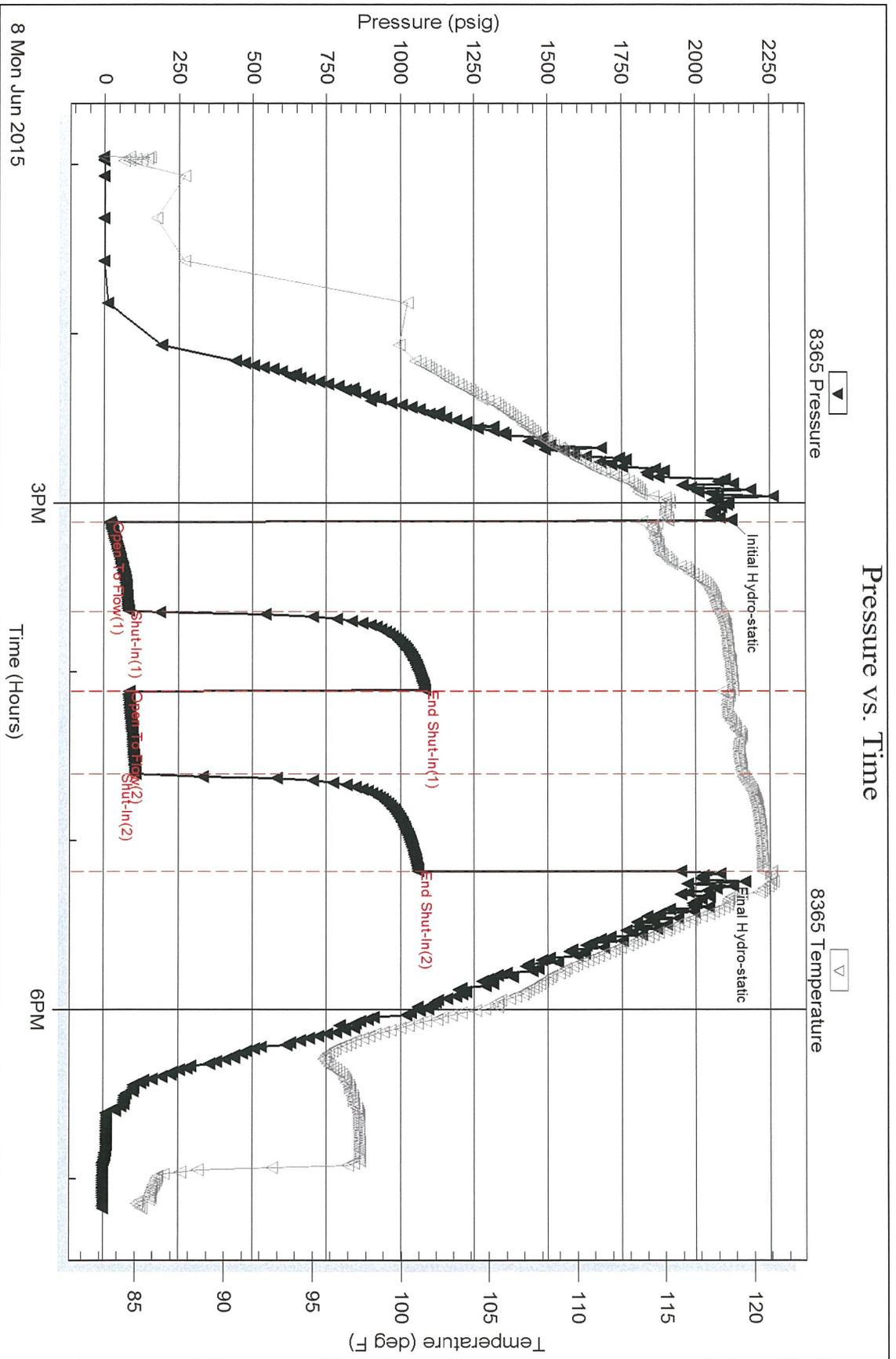
Inside

Palomino Petroleum, Inc

Hanna #1

DST Test Number: 2

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 57418

Printed: 2015.06.08 @ 22:55:26



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
 4924 SE 84th St.  
 Newton, Ks 67114  
 ATTN: Ryan Seib

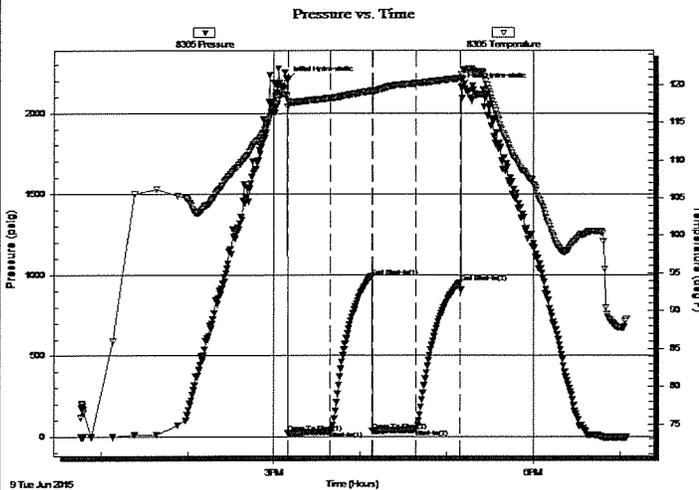
**14 14s 3w Gove, Ks**  
**Hanna #1**  
 Job Ticket: 57419      **DST#: 3**  
 Test Start: 2015.06.09 @ 12:46:00

## GENERAL INFORMATION:

Formation: **Marmaton - Ft. Scott**  
 Deviated: No    Whipstock:                      ft (KB)  
 Time Tool Opened: 15:09:30  
 Time Test Ended: 19:04:45  
 Interval: **4421.00 ft (KB) To 4550.00 ft (KB) (TVD)**  
 Total Depth: 4550.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches    Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 2940.00 ft (KB)  
 2935.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8365      Inside**  
 Press@RunDepth: 45.55 psig @ 4422.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.06.09      End Date: 2015.06.09      Last Calib.: 2015.06.09  
 Start Time: 12:46:05      End Time: 19:04:44      Time On Btm: 2015.06.09 @ 15:09:15  
 Time Off Btm: 2015.06.09 @ 17:10:15

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.65	118.44	Initial Hydro-static
1	21.34	117.05	Open To Flow (1)
30	33.33	118.19	Shut-In(1)
59	988.58	119.16	End Shut-In(1)
59	35.86	118.94	Open To Flow (2)
90	45.55	120.19	Shut-In(2)
120	953.03	120.85	End Shut-In(2)
121	2162.18	121.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud 100m (oil specs in tool)	0.20

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc

**14 14s 3w Gove, Ks**

4924 SE 84th St.  
New ton, Ks 67114

**Hanna #1**

Job Ticket: 57419

**DST#: 3**

ATTN: Ryan Seib

Test Start: 2015.06.09 @ 12:46:00

## 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: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	Mud 100m (oil specs in tool)	0.197

Total Length: 40.00 ft

Total Volume: 0.197 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

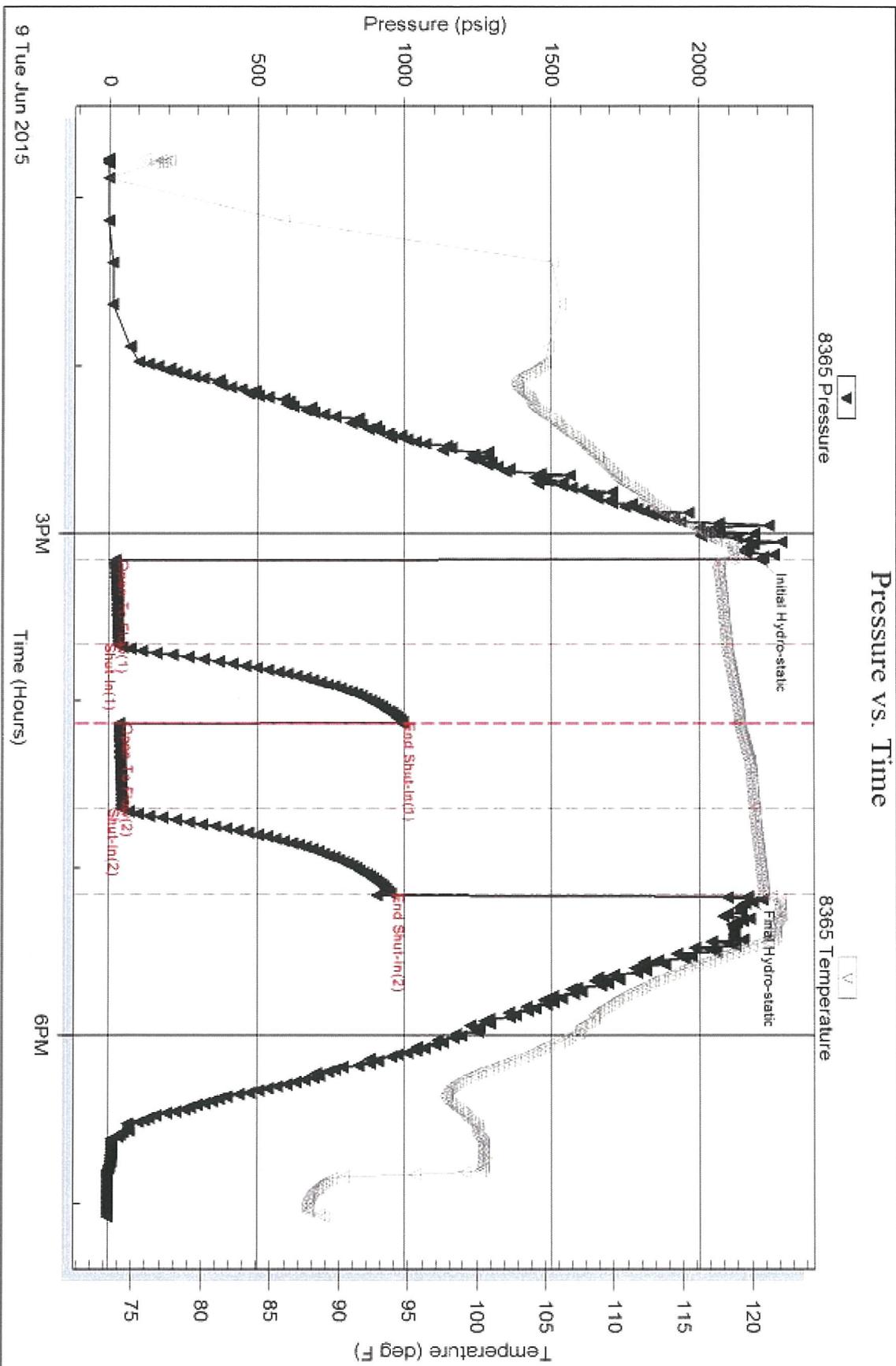
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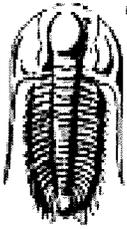
Inside

Palominio Petroleum, Inc

Hanna #1

DST Test Number: 3





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, Ks 67114  
ATTN: Ryan Seib

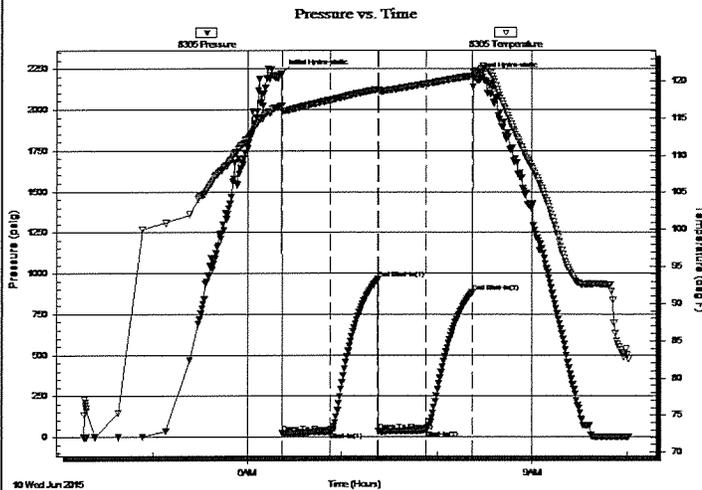
**14 14s 31w Gove, Ks**  
**Hanna #1**  
Job Ticket: 57420      **DST#: 4**  
Test Start: 2015.06.10 @ 04:16:00

## GENERAL INFORMATION:

Formation: **Johnson**  
Deviated: No Whipstock:                      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 06:22:15      Tester: Bradley Walter  
Time Test Ended: 10:01:00      Unit No: 69  
  
Interval: **4504.00 ft (KB) To 4610.00 ft (KB) (TVD)**      Reference Elevations: 2940.00 ft (KB)  
Total Depth: 4610.00 ft (KB) (TVD)      2935.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 8365**      **Inside**  
Press@RunDepth: 39.87 psig @ 4505.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2015.06.10      End Date: 2015.06.10      Last Calib.: 2015.06.10  
Start Time: 04:16:05      End Time: 10:00:59      Time On Btm: 2015.06.10 @ 06:21:45  
Time Off Btm: 2015.06.10 @ 08:22:45

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



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.86	116.62	Initial Hydro-static
1	22.68	115.93	Open To Flow (1)
31	31.49	117.42	Shut-In(1)
61	962.98	118.85	End Shut-In(1)
62	33.05	118.64	Open To Flow (2)
91	39.87	119.59	Shut-In(2)
121	883.38	120.68	End Shut-In(2)
121	2202.45	121.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100m (oil spots)	0.25

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum, Inc  
4924 SE 84th St.  
New ton, Ks 67114  
ATTN: Ryan Seib

**14 14s 31w Gove, Ks**  
**Hanna #1**  
Job Ticket: 57420      **DST#: 4**  
Test Start: 2015.06.10 @ 04:16:00

## 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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Mud 100m (oil spots)	0.246

Total Length: 50.00 ft      Total Volume: 0.246 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

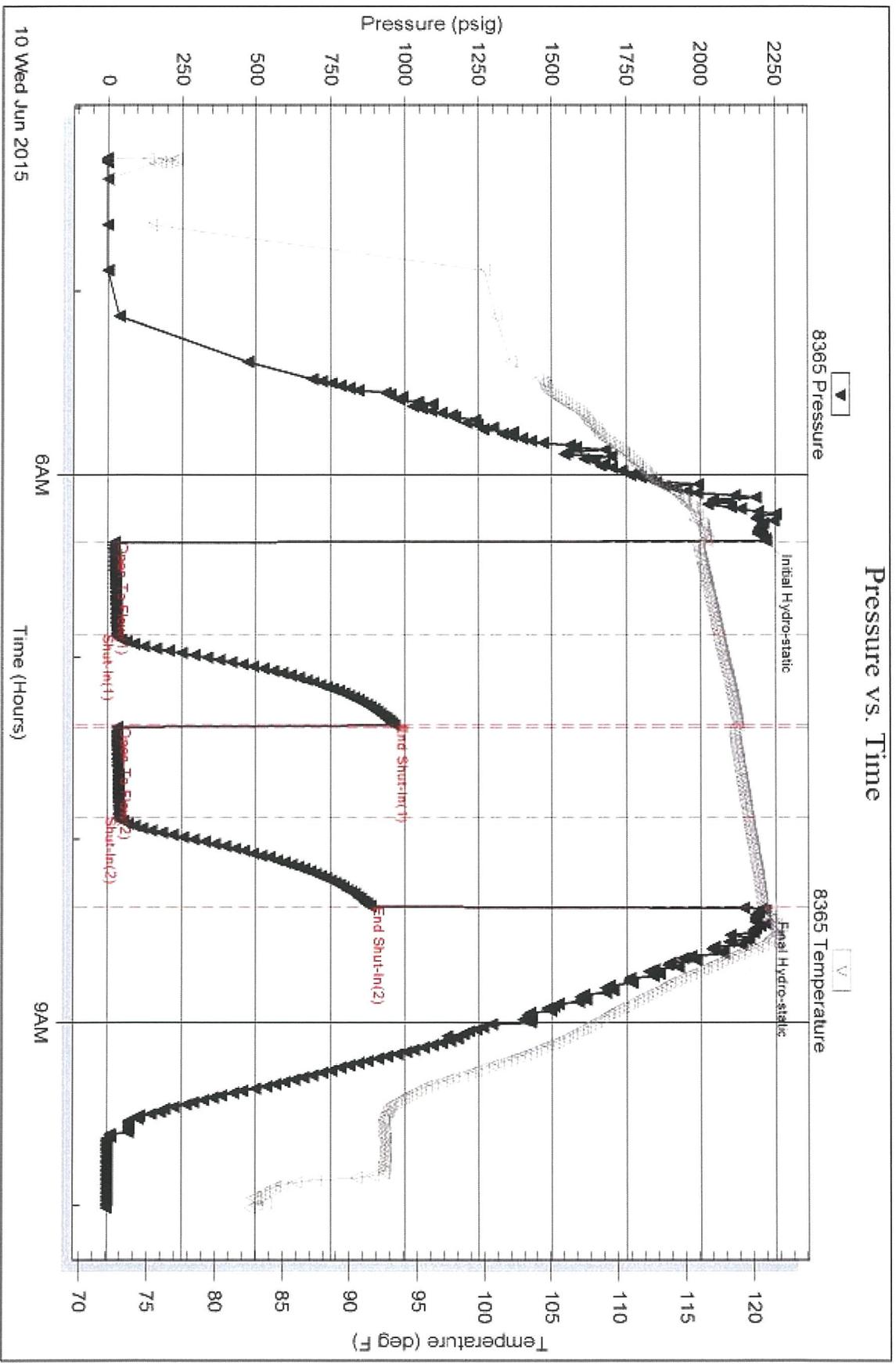
Serial #: 8365

Inside

Palominio Petroleum, Inc

Hanna #1

DST Test Number: 4



Triobite Testing, Inc

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