



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

OCT 05 2015

MAIN OFFICE

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

Invoice

Invoice#

805847

Invoice Date: 09/30/15

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
NEWTON KS 67114-8827  
USA

Pawnee #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	45.000	1,045.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	9.6000	45.000	158.40
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	45.000	363.00
CC5829	Lite-Weight Blend V (60:40:4)	125.000	16.0000	45.000	1,100.00
CC5965	Bentonite	450.000	0.3000	45.000	74.25
CC6075	Celloflake	50.000	2.0000	45.000	55.00

Subtotal 5,083.00

Discounted Amount 2,287.35

SubTotal After Discount 2,795.65

Amount Due 5,261.80 If paid after 10/30/15

Tax: 98.34

Total: 2,893.99



**CONSOLIDATED**  
Oil Well Services, LLC

*4349*  
*Field Ht dec*  
*4252*

TICKET NUMBER 46216

LOCATION E L Donald

FOREMAN Fuzz

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

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

*Invoice # 805847*

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-29-15	6285	Pawnee #1	10	21S	3E	Marton
CUSTOMER Palomino Petroleum			Flomare W-Pawnee			
MAILING ADDRESS 4924 SE 84th			S 40th			
CITY Newton			W 1st			
STATE KS		ZIP CODE 67114				
TRUCK#		DRIVER		TRUCK#		DRIVER
603		Tracey				
667		Jeremy				

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 3020 CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 x TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.3 SLURRY VOL 31.3 WATER gal/sk 6.9 CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: *Safety meeting on w-u #6. Rig up and plug as ordered.*  
*35 sks @ 2972*  
*35 sks @ 270*      *125 sks 60/40 49 gal with # closed*  
*25 sks @ 60'*  
*30 sks @ RH*

*Thanks*  
*Fuzz & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<del>60451</del>	1	PUMP CHARGE	1900.00	1900.00
<del>60002</del>	30	MILEAGE	7.13	213.90
<del>60711</del>		Tow mileage Delivery (min)	1.15	660.00
<del>65829</del>	<i>6891</i> 125 sks	60/40 pos	16.00	2000.00
<del>65865</del>	450 #	Gel	.30	135.00
<del>62607</del>	50 #	cellulose	2.00	100.00
		subtotal		5083.00
		disc	4970	2287.35
		subtotal		2795.85
ENTERED SEP 30 2015				
		SALES TAX		98.34
		ESTIMATED TOTAL		289399

AUTHORIZATION Maui Baggie TITLE Tool Pusher DATE 9-29-15

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



**CONSOLIDATED**  
Oil Well Services, LLC

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



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SEP 26 2015

MAIN OFFICE

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

Invoice

Invoice#

805791

Invoice Date: 09/24/15

Terms: Net 30

Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
NEWTON KS 67114-8827  
USA

PAWNEE #1

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	40.000	900.00
CE0002	Equipment Mileage Charge - Heavy Equipment	30.000	7.1500	40.000	128.70
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	40.000	396.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	150.000	23.0000	40.000	2,070.00
CC6075	Celloflake	75.000	2.0000	40.000	90.00

Subtotal 5,974.50

Discounted Amount 2,389.80

SubTotal After Discount 3,584.70

Amount Due 6,262.50 If paid after 10/24/15

Tax: 172.80

Total: 3,757.50

BARTLESVILLE, OK  
918/338-0808

EL DORADO, KS  
316/322-7022

EUREKA, KS  
620/583-7554

PONCA CITY, OK  
580/762-2303

OAKLEY, KS  
785/672-8822

OTTAWA, KS  
785/242-4044

THAYER, KS  
620/839-5269

GILLETTE, WY  
307/686-4914

CUSHING, OK  
918/225-2650



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

JM 4281  
FT 4192  
INVOICE #805791

TICKET NUMBER 46215  
LOCATION EL Dondo  
FOREMAN Fuzzy

FIELD TICKET & TREATMENT REPORT  
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-23-15	6285	Pawnee #1	10	21	3	Marion
CUSTOMER Palomino Pet		Florence w- Pawnee Red 434 N W+S in	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 4924 SE 84th			7601	Chris		
CITY Newton			661	Jeremy		
STATE KS			670			
ZIP CODE 67114						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 218' CASING SIZE & WEIGHT 2 3/8" 8.5 lb  
 CASING DEPTH 218' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 35.7 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

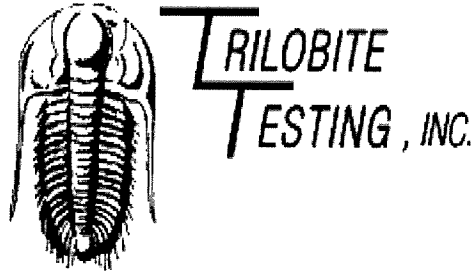
REMARKS: Safety meeting on w-w #6. Rig up and circulate  
Mix 150 gals Class A 3% cc 2% gel w/ 2# poly chate.  
Displace 12 1/2 BBL and shut in.  
Cement did circulate approx 5 BBL to pit

THANKS Fuzzy  
+ crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	1500.00
CE0002	30	MILEAGE	7.15	214.50
CE0711	7.1 Tow	Tow mileage Delivery (min)	1.35	660.00
CC587	150 gals	Class A Surface Blend	23.00	3450.00
CC609	75#	Poly chate	2.00	150.00
		subtotal		5974.50
		less 40% disc		2389.80
		subtotal		3584.70
		8%	SALES TAX	172.80
			ESTIMATED TOTAL	3757.50

AUTHORIZATION Mark Basse TITLE Tool Pusher DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

### **Pawnee #1**

### **10-21S-3E Marion,KS**

Start Date: 2015.09.27 @ 17:18:00

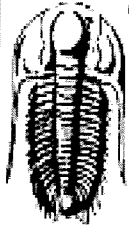
End Date: 2015.09.27 @ 22:35:01

Job Ticket #: 62951                      DST #: 1

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

Printed: 2015.09.30 @ 08:30:57

Palomino Petroleum Inc  
10-21S-3E Marion,KS  
Pawnee #1  
DST # 1  
Hunton  
2015.09.27



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 Newton KS 67114+8827  
 ATTN: Andrew Stenzel

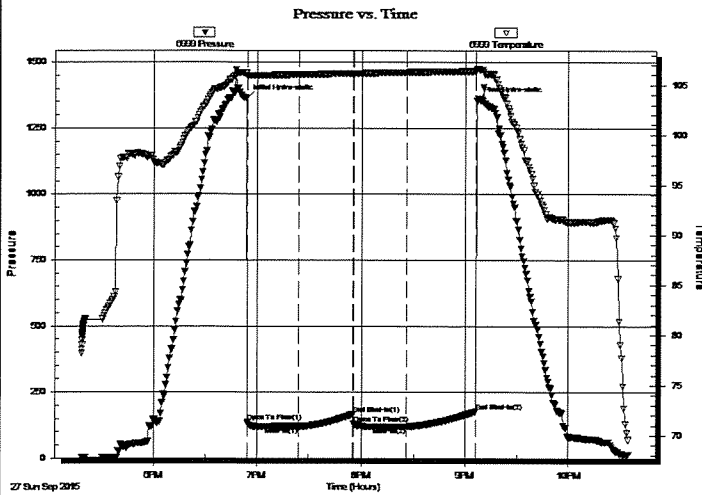
**10-21S-3E Marion,KS**  
**Pawnee #1**  
 Job Ticket: 62951 **DST#: 1**  
 Test Start: 2015.09.27 @ 17:18:00

## GENERAL INFORMATION:

Formation: **Hunton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:54:31  
 Time Test Ended: 22:35:01  
 Interval: **2595.00 ft (KB) To 2810.00 ft (KB) (TVD)**  
 Total Depth: 2810.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 55  
 Reference Elevations: 1408.00 ft (KB)  
 1403.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6999** Outside  
 Press@RunDepth: 120.01 psig @ 2790.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.09.27 End Date: 2015.09.27 Last Calib.: 2015.09.27  
 Start Time: 17:18:01 End Time: 22:35:01 Time On Btm: 2015.09.27 @ 18:54:01  
 Time Off Btm: 2015.09.27 @ 21:06:46

**TEST COMMENT:** IFP-30 Minutes-Very weak blow built 1/4" started to die off  
 ISIP-30 Minutes-No blow back  
 FFP-30 Minutes-Very weak surge did not build  
 FSIP-30 Minutes-No blow back



## PRESSURE SUMMARY

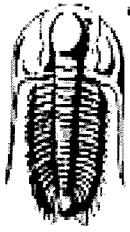
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1361.74	106.18	Initial Hydro-static
1	136.97	105.94	Open To Flow (1)
31	121.12	106.03	Shut-In(1)
61	165.54	106.16	End Shut-In(1)
62	131.00	106.15	Open To Flow (2)
92	120.01	106.25	Shut-In(2)
132	176.79	106.38	End Shut-In(2)
133	1353.87	106.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Palomino Petroleum Inc  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

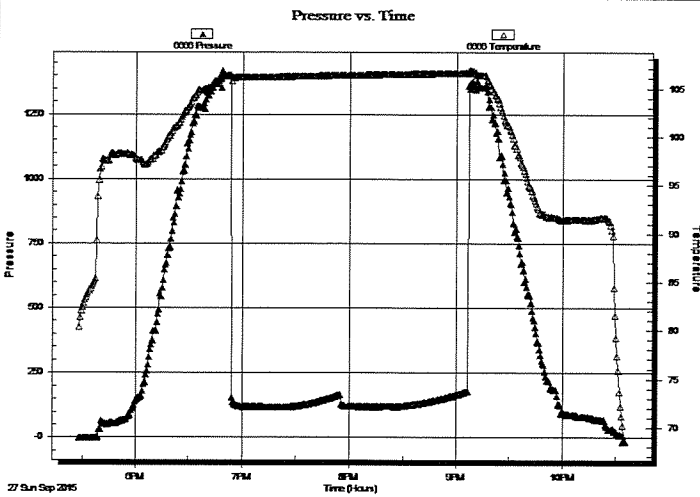
**10-21S-3E Marion,KS**  
**Pawnee #1**  
Job Ticket: 62951      **DST#: 1**  
Test Start: 2015.09.27 @ 17:18:00

### GENERAL INFORMATION:

Formation: <b>Hunton</b>	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Jared Scheck
Time Tool Opened: 18:54:31	Unit No: 55
Time Test Ended: 22:35:01	Reference Elevations: 1408.00 ft (KB)
Interval: <b>2595.00 ft (KB) To 2810.00 ft (KB) (TVD)</b>	1403.00 ft (CF)
Total Depth: 2810.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

<b>Serial #: 6666</b> <b>Inside</b>	Capacity: 8000.00 psig
Press@RunDepth: psig @ 2789.00 ft (KB)	Last Calib.: 2015.09.27
Start Date: 2015.09.27      End Date: 2015.09.27	Time On Btm:
Start Time: 17:28:01      End Time: 22:35:11	Time Off Btm:

TEST COMMENT: IFP-30 Minutes-Very weak blow built 1/4" started to die off  
ISIP-30 Minutes-No blow back  
FFP-30 Minutes-Very weak surge did not build  
FSIP-30 Minutes-No blow back



### PRESSURE SUMMARY

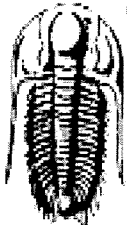
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
**Pawnee #1**  
Job Ticket: 62951      **DST#: 1**  
Test Start: 2015.09.27 @ 17:18:00

**Tool Information**

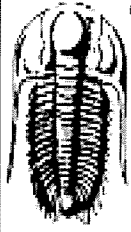
Drill Pipe:	Length: 2454.00 ft	Diameter: 3.80 inches	Volume: 34.42 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 35.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	2595.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	215.00 ft			
Tool Length:	243.00 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			2572.00	
Hydraulic tool	5.00			2577.00	
Jars	6.00			2583.00	
Safety Joint	2.00			2585.00	
Packer	5.00			2590.00	28.00      Bottom Of Top Packer
Packer	5.00			2595.00	
Anchor	5.00			2600.00	
Change Over Sub	0.75			2600.75	
Drill Pipe	186.50			2787.25	
Change Over Sub	0.75			2788.00	
Recorder	1.00	6666	Inside	2789.00	
Recorder	1.00	6999	Outside	2790.00	
Anchor	16.00			2806.00	
Bullnose	4.00			2810.00	215.00      Bottom Packers & Anchor

**Total Tool Length: 243.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
**Pawnee #1**  
Job Ticket: 62951      **DST#: 1**  
Test Start: 2015.09.27 @ 17:18:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1250.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

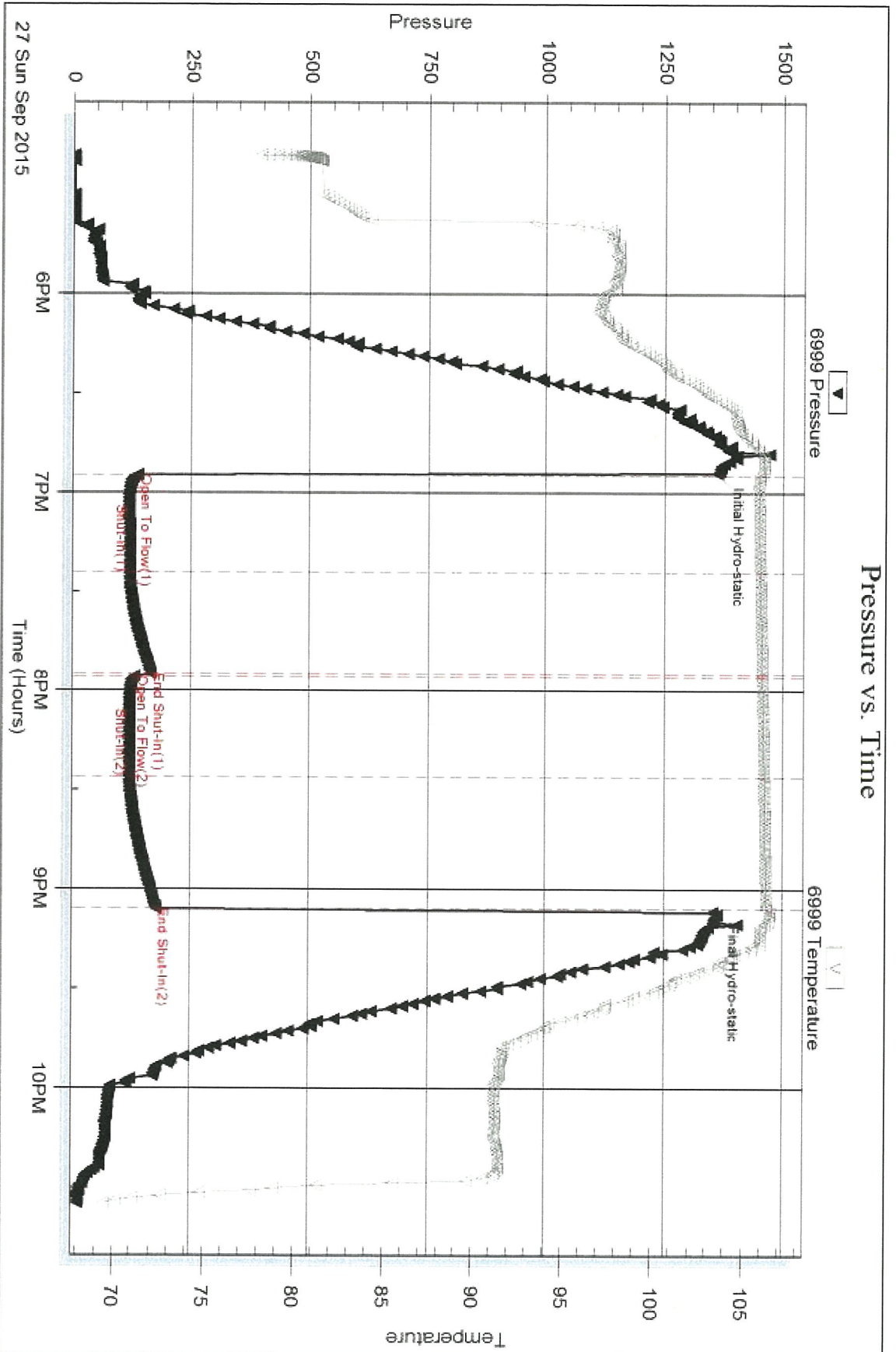
Serial #: 6999

Outside Palomiro Petroleum Inc

Paw nee #1

DST Test Number: 1

### Pressure vs. Time



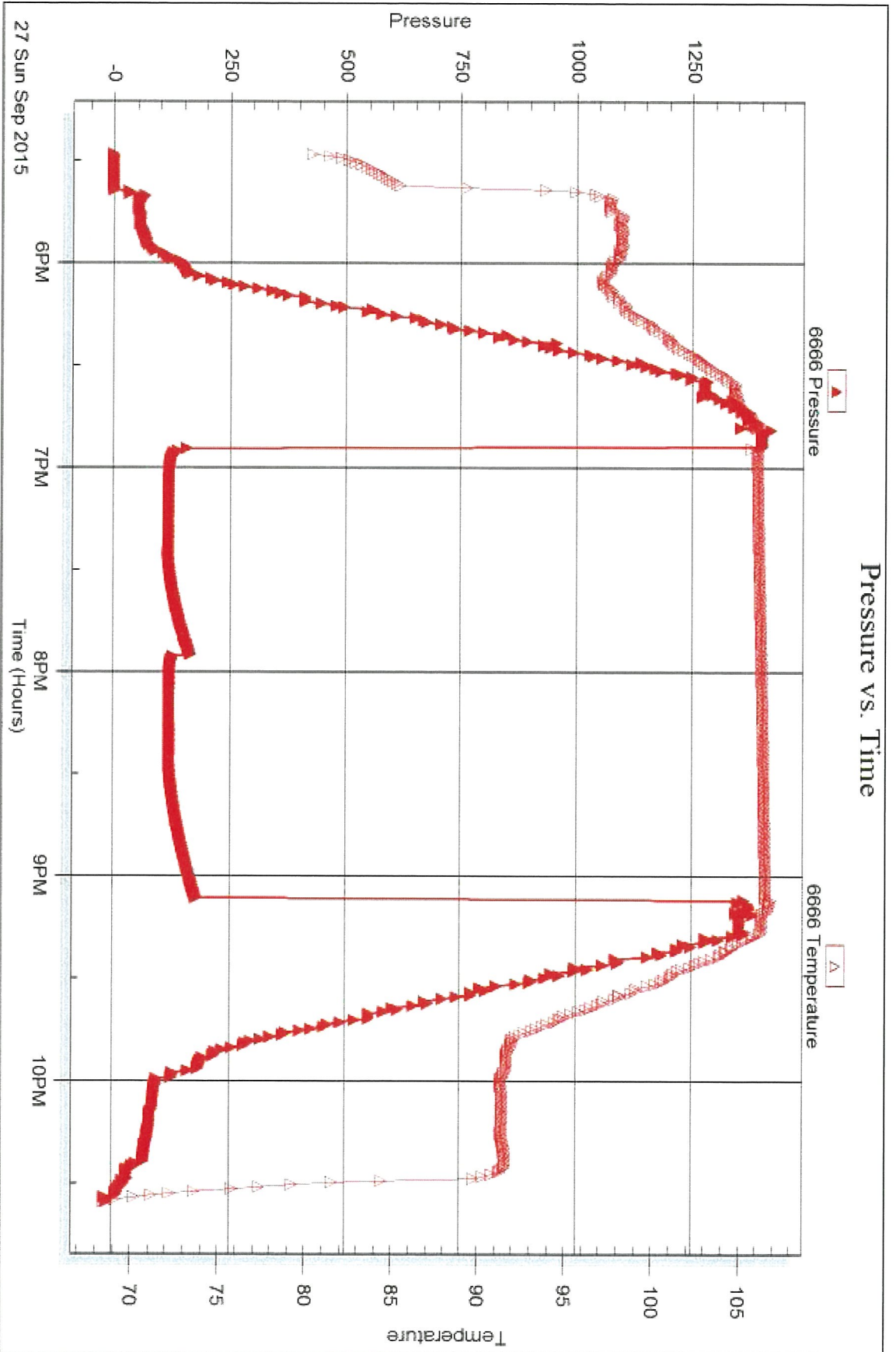
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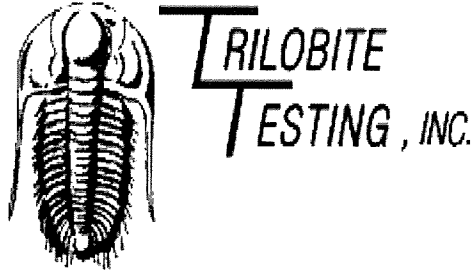
Inside

Palomino Petroleum Inc

Raw nee #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

### **Pawnee #1**

### **10-21S-3E Marion,KS**

Start Date: 2015.09.28 @ 03:23:00

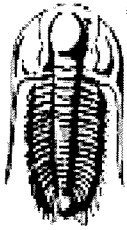
End Date: 2015.09.28 @ 08:18:16

Job Ticket #: 62952                      DST #: 2

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

Printed: 2015.09.30 @ 08:21:16

Palomino Petroleum Inc  
10-21S-3E Marion,KS  
Pawnee #1  
DST # 2  
Hunton  
2015.09.28



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 Newton KS 67114+8827  
 ATTN: Andrew Stenzel

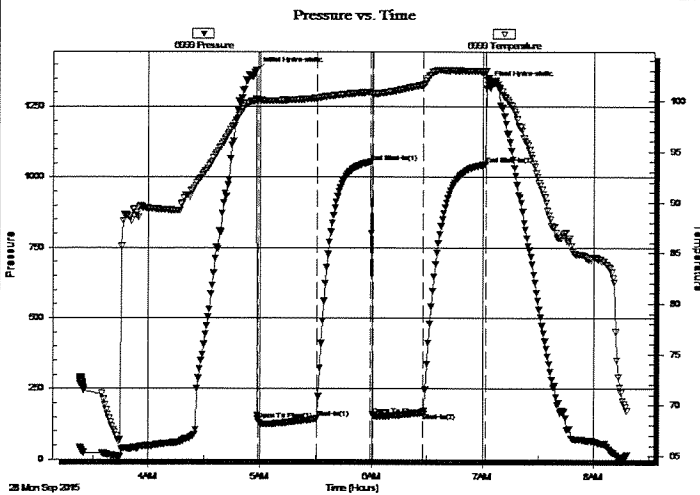
**10-21S-3E Marion,KS**  
**Pawnee #1**  
 Job Ticket: 62952      **DST#: 2**  
 Test Start: 2015.09.28 @ 03:23:00

## GENERAL INFORMATION:

Formation: **Hunton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:58:31  
 Time Test Ended: 08:18:16  
 Interval: **2595.00 ft (KB) To 2815.00 ft (KB) (TVD)**  
 Total Depth: 2815.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 55  
 Reference Elevations: 1408.00 ft (KB)  
 1403.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6999      Outside**  
 Press@RunDepth: 165.81 psig @ 2790.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.09.28      End Date: 2015.09.28      Last Calib.: 2015.09.28  
 Start Time: 03:23:01      End Time: 08:18:16      Time On Btm: 2015.09.28 @ 04:57:46  
 Time Off Btm: 2015.09.28 @ 07:02:31

TEST COMMENT: IFP-30 Minutes-Weak blow built 1 3/4"  
 ISIP-30 Minutes-No blow back  
 FFP- 30 Minutes-Very weak surface blow built 3/4"  
 FSIP-30 Minutes-No blow back



## PRESSURE SUMMARY

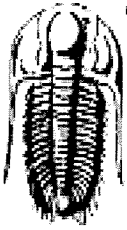
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1374.89	100.25	Initial Hydro-static
1	140.56	100.09	Open To Flow (1)
33	146.75	100.28	Shut-In(1)
62	1053.50	100.88	End Shut-In(1)
63	157.47	100.72	Open To Flow (2)
90	165.81	101.62	Shut-In(2)
124	1045.66	102.92	End Shut-In(2)
125	1329.05	102.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud	0.34

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 Newton KS 67114+8827  
 ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
**Pawnee #1**  
 Job Ticket: 62952      **DST#: 2**  
 Test Start: 2015.09.28 @ 03:23:00

## GENERAL INFORMATION:

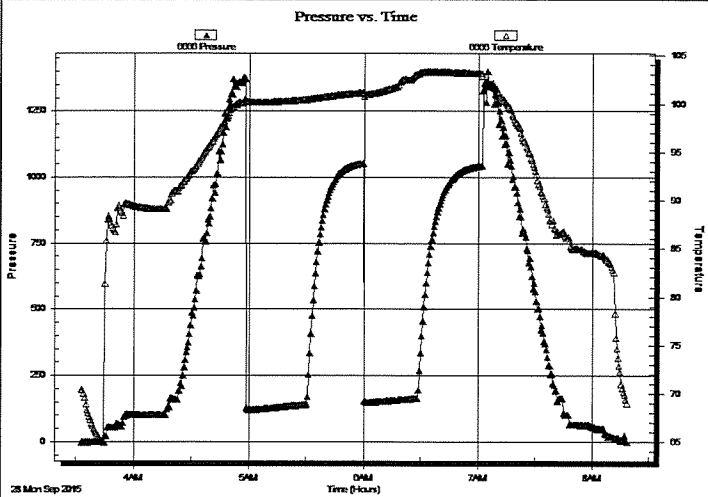
Formation: **Hunton**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 04:58:31      Tester: Jared Scheck  
 Time Test Ended: 08:18:16      Unit No: 55  
 Interval: **2595.00 ft (KB) To 2815.00 ft (KB) (TVD)**  
 Reference Elevations: 1408.00 ft (KB)  
 Total Depth: 2815.00 ft (KB) (TVD)      1403.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

## Serial #: 6666

Inside

Press@RunDepth: psig @ 2789.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.09.28      End Date: 2015.09.28      Last Calib.: 2015.09.28  
 Start Time: 03:33:01      End Time: 08:18:31      Time On Btm:  
 Time Off Btm:

TEST COMMENT: IFP-30 Minutes-Weak blow built 1 3/4"  
 ISIP-30 Minutes-No blow back  
 FFP- 30 Minutes-Very weak surface blow built 3/4"  
 FSIP-30 Minutes-No blow back



## PRESSURE SUMMARY

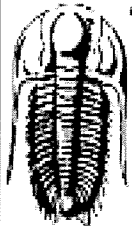
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud	0.34

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
**Pawnee #1**  
Job Ticket: 62952      **DST#: 2**  
Test Start: 2015.09.28 @ 03:23:00

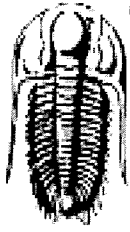
**Tool Information**

Drill Pipe:	Length: 2454.00 ft	Diameter: 3.80 inches	Volume: 34.42 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 35.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	2595.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	220.00 ft			
Tool Length:	248.00 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			2572.00	
Hydraulic tool	5.00			2577.00	
Jars	6.00			2583.00	
Safety Joint	2.00			2585.00	
Packer	5.00			2590.00	28.00      Bottom Of Top Packer
Packer	5.00			2595.00	
Anchor	5.00			2600.00	
Change Over Sub	0.75			2600.75	
Drill Pipe	186.50			2787.25	
Change Over Sub	0.75			2788.00	
Recorder	1.00	6666	Inside	2789.00	
Recorder	1.00	6999	Outside	2790.00	
Anchor	21.00			2811.00	
Bullnose	4.00			2815.00	220.00      Bottom Packers & Anchor

**Total Tool Length: 248.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc  
4924 SE 84th St  
New ton KS 67114+8827  
  
ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
  
**Pawnee #1**  
Job Ticket: 62952      **DST#: 2**  
Test Start: 2015.09.28 @ 03:23:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1250.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	mud	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:

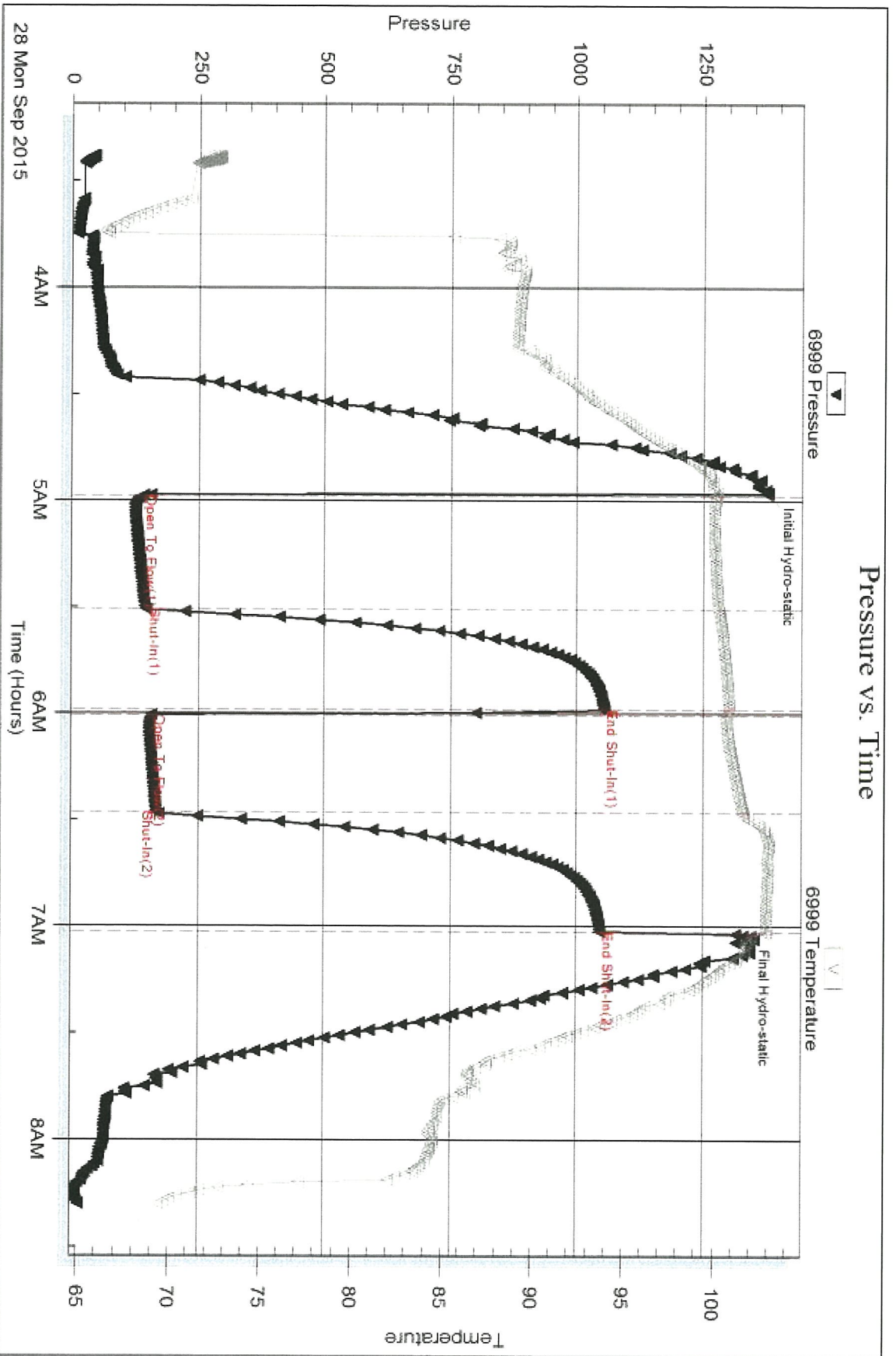


Serial #: 6999

Outside Palomino Petroleum Inc

Paw nee #1

DST Test Number: 2



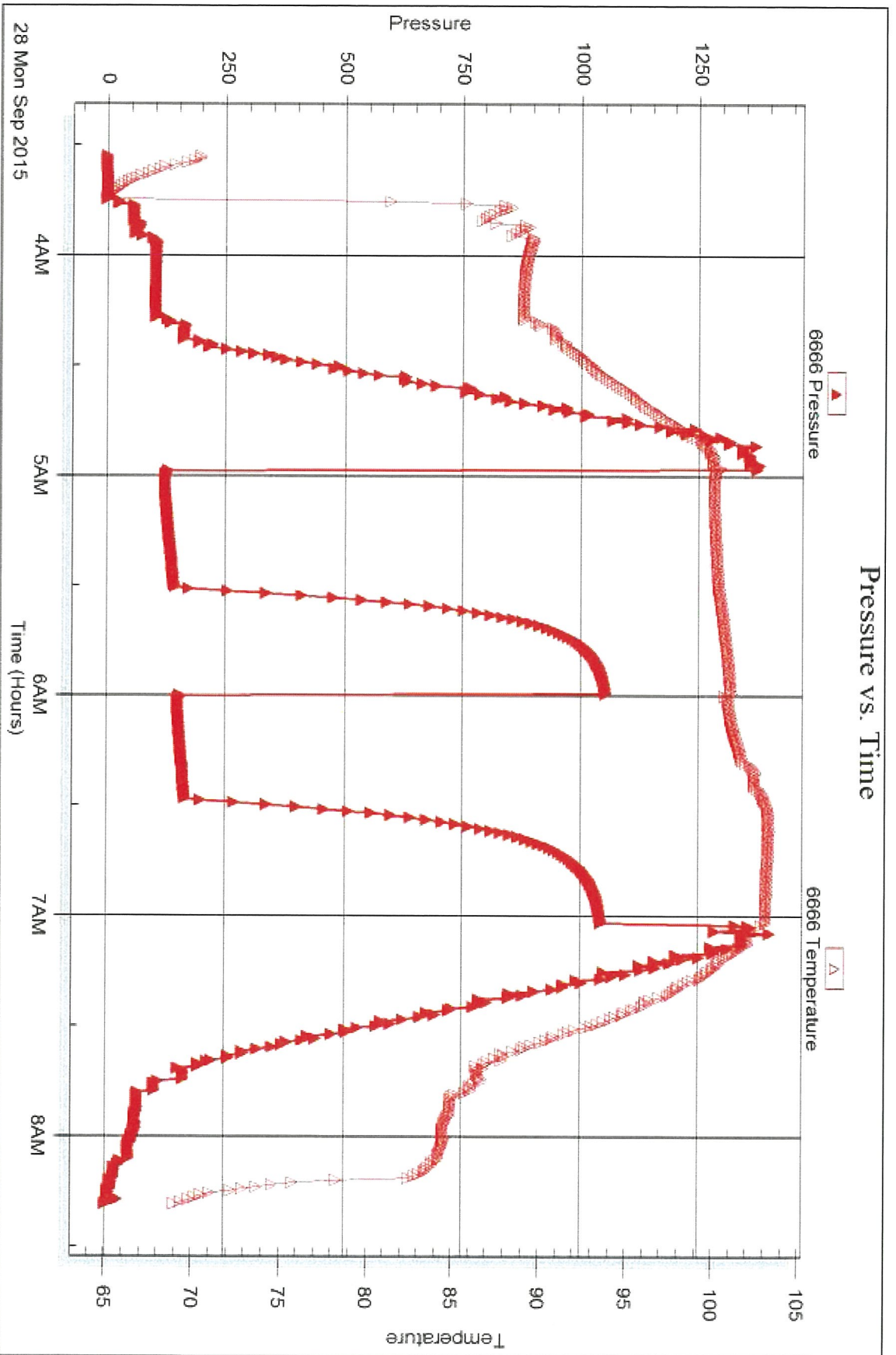
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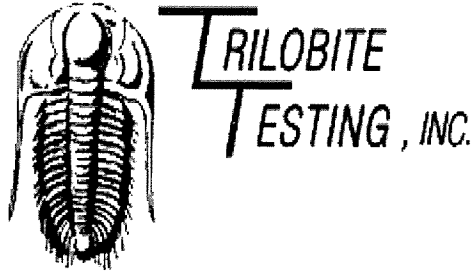
Inside

Palomino Petroleum Inc

Paw nee #1

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc**

4924 SE 84th St  
Newton KS 67114+8827

ATTN: Andrew Stenzel

### **Pawnee #1**

#### **10-21S-3E Marion,KS**

Start Date: 2015.09.28 @ 13:10:00

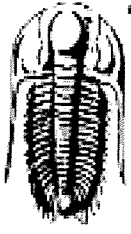
End Date: 2015.09.28 @ 19:10:09

Job Ticket #: 62953                      DST #: 3

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

Printed: 2015.09.30 @ 08:20:14

Palomino Petroleum Inc  
10-21S-3E Marion,KS  
Pawnee #1  
DST # 3  
Hunton  
2015.09.28



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 Newton KS 67114+8827  
 ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
**Pawnee #1**  
 Job Ticket: 62953      **DST#: 3**  
 Test Start: 2015.09.28 @ 13:10:00

**GENERAL INFORMATION:**

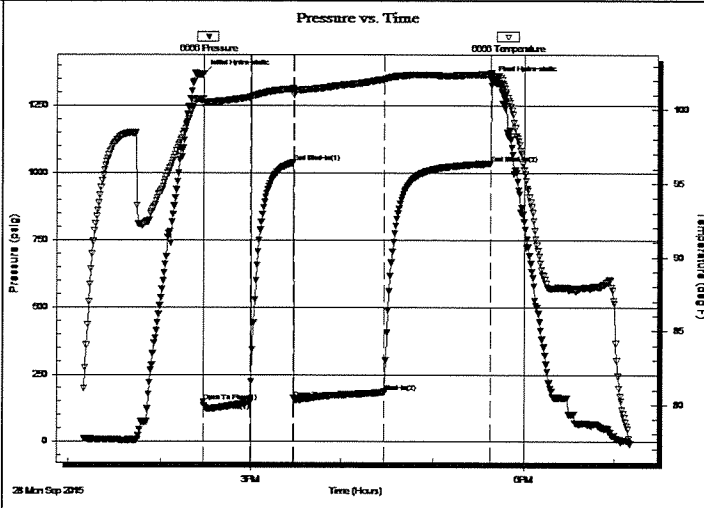
Formation: **Hunton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:28:07  
 Time Test Ended: 19:10:09  
 Interval: **2595.00 ft (KB) To 2825.00 ft (KB) (TVD)**  
 Total Depth: 2825.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 55  
 Reference Elevations: 1408.00 ft (KB)  
 1403.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6666**

**Inside**

Press@RunDepth: 183.90 psig @ 2789.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2015.09.28      End Date: 2015.09.28      Last Calib.: 2015.09.28  
 Start Time: 13:10:01      End Time: 19:10:10      Time On Btm: 2015.09.28 @ 14:27:52  
 Time Off Btm: 2015.09.28 @ 17:38:04

**TEST COMMENT:** IFP-30 Minutes-Weak blow built 3"  
 ISIP-30 Minutes-No blow back  
 FFP-60 Minutes-Weak building blow built 4"  
 FSIP-60 Minutes-No blow back



**PRESSURE SUMMARY**

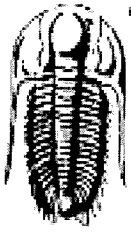
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1369.03	100.71	Initial Hydro-static
1	148.63	100.36	Open To Flow (1)
32	146.13	100.86	Shut-In(1)
61	1039.10	101.43	End Shut-In(1)
61	160.56	101.02	Open To Flow (2)
121	183.90	102.07	Shut-In(2)
190	1036.63	102.43	End Shut-In(2)
191	1346.80	102.52	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
150.00	Mud	1.01

**Gas Rates**

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc  
 4924 SE 84th St  
 Newton KS 67114+8827  
 ATTN: Andrew Stenzel

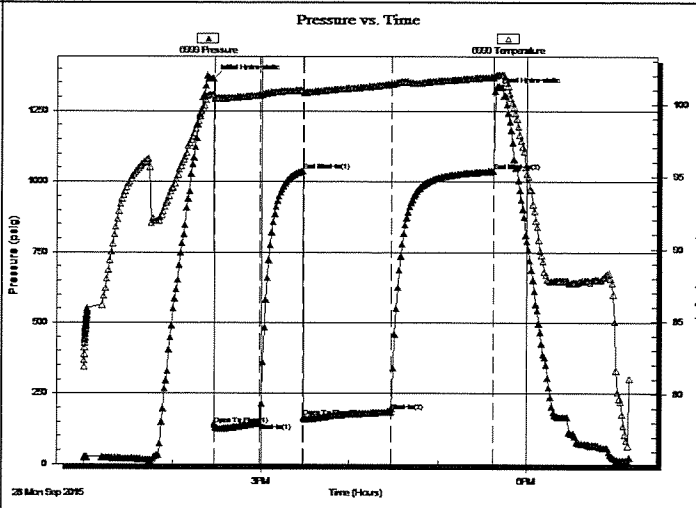
**10-21S-3E Marion,KS**  
**Pawnee #1**  
 Job Ticket: 62953 **DST#: 3**  
 Test Start: 2015.09.28 @ 13:10:00

**GENERAL INFORMATION:**

Formation: **Hunton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:28:07  
 Time Test Ended: 19:10:09  
 Interval: **2595.00 ft (KB) To 2825.00 ft (KB) (TVD)**  
 Total Depth: 2825.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 55  
 Reference Elevations: 1408.00 ft (KB)  
 1403.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6999 Outside**  
 Press@RunDepth: 1037.45 psig @ 2790.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.09.28 End Date: 2015.09.28 Last Calib.: 2015.09.28  
 Start Time: 13:00:01 End Time: 19:10:01 Time On Btm: 2015.09.28 @ 14:27:31  
 Time Off Btm: 2015.09.28 @ 17:38:01

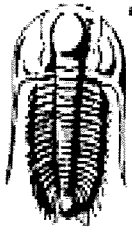
**TEST COMMENT:** IFP-30 Minutes-Weak blow built 3"  
 ISIP-30 Minutes-No blow back  
 FFP-60 Minutes-Weak building blow built 4"  
 FSIP-60 Minutes-No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1365.77	100.64	Initial Hydro-static
1	138.04	100.46	Open To Flow (1)
32	146.41	100.62	Shut-In(1)
61	1038.48	100.98	End Shut-In(1)
62	166.24	100.82	Open To Flow (2)
120	185.40	101.38	Shut-In(2)
190	1037.45	101.89	End Shut-In(2)
191	1320.23	101.96	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
150.00	Mud	1.01

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc  
4924 SE 84th St  
New ton KS 67114+8827  
ATTN: Andrew Stenzel

**10-21S-3E Marion,KS**  
**Pawnee #1**  
Job Ticket: 62953      **DST#: 3**  
Test Start: 2015.09.28 @ 13:10:00

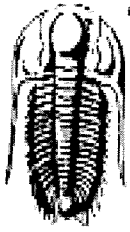
### Tool Information

Drill Pipe:	Length: 2453.00 ft	Diameter: 3.80 inches	Volume: 34.41 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 35.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	2595.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	230.00 ft			
Tool Length:	258.00 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			2572.00	
Hydraulic tool	5.00			2577.00	
Jars	6.00			2583.00	
Safety Joint	2.00			2585.00	
Packer	5.00			2590.00	28.00      Bottom Of Top Packer
Packer	5.00			2595.00	
Anchor	5.00			2600.00	
Change Over Sub	0.75			2600.75	
Drill Pipe	186.50			2787.25	
Change Over Sub	0.75			2788.00	
Recorder	1.00	6666	Inside	2789.00	
Recorder	1.00	6999	Outside	2790.00	
Anchor	31.00			2821.00	
Bullnose	4.00			2825.00	230.00      Bottom Packers & Anchor

**Total Tool Length: 258.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc

**10-21S-3E Marion,KS**

4924 SE 84th St  
New ton KS 67114+8827

**Pawnee #1**

Job Ticket: 62953

**DST#: 3**

ATTN: Andrew Stenzel

Test Start: 2015.09.28 @ 13:10:00

### 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: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
150.00	Mud	1.011

Total Length: 150.00 ft

Total Volume: 1.011 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

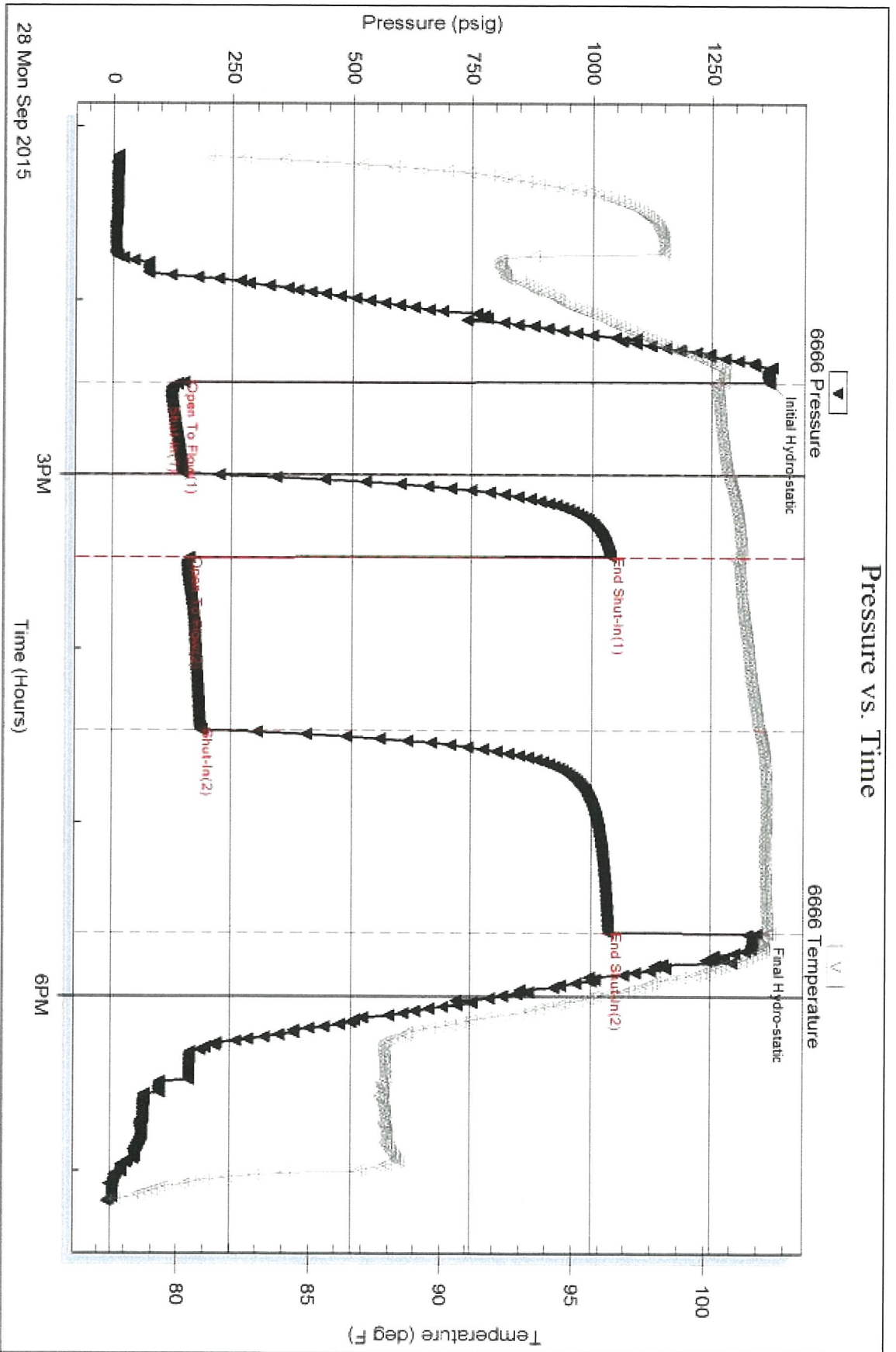
Serial #: 6666

Inside

Palomino Petroleum Inc

Paw nee #1

DST Test Number: 3



28 Mon Sep 2015

Trioble Testing, Inc

Ref. No: 62953

Printed: 2015 09 30 @ 08:20:15



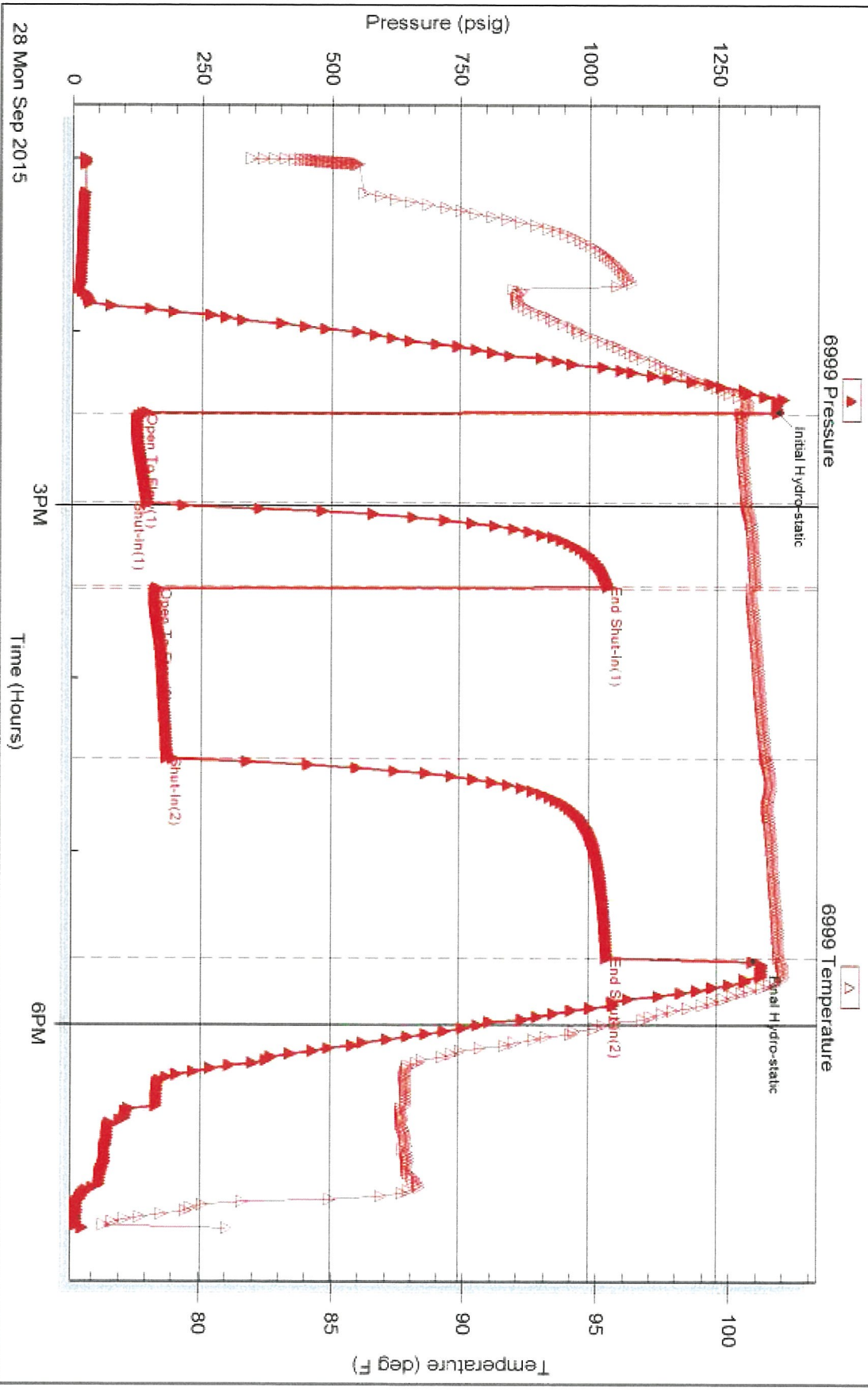
Serial #: 6999

Outside Palomino Petroleum Inc

Paw nee #1

DST Test Number: 3

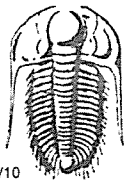
### Pressure vs. Time



Tribble Testing, Inc

Ref. No: 62953

Printed: 2015 09 30 @ 08 20:16



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 82951

Well Name & No. Pawnee #1 Test No. 1 Date 9-27-2015  
 Company Palomino Petroleum Inc Elevation 1408 KB 1403 GL  
 Address 4924 SE 84th St Newton KS 67114 #8827  
 Co. Rep / Geo. Andrew Stenzel Rig WW Drilling Rig #6  
 Location: Sec. 10 Twp. 21s Rge. 3E Co. Marion State KS

Interval Tested 2595 - 2810 Zone Tested Hunter  
 Anchor Length 215 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.6  
 Top Packer Depth 2590 Drill Collars Run 120 Vis 44  
 Bottom Packer Depth 2595 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 2810 Chlorides 1250 ppm System LCM TT

Blow Description IFP - Very Weak Blow Built 4 inch started die off  
ISIP - NO Blow Back  
FFP - Very Weak Surge Did not Build  
ESIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>mud</u>				
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

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

- (A) Initial Hydrostatic 1361
- (B) First Initial Flow 1360
- (C) First Final Flow 121
- (D) Initial Shut-In 145
- (E) Second Initial Flow 131
- (F) Second Final Flow 120
- (G) Final Shut-In 176
- (H) Final Hydrostatic 1353

- Test 1050
- Jars 250
- Safety Joint 75
- Circ Sub \_\_\_\_\_
- Hourly Standby \_\_\_\_\_
- Mileage 205 Round Trip to Bed
- Sampler \_\_\_\_\_
- Straddle \_\_\_\_\_
- Shale Packer \_\_\_\_\_
- Extra Packer \_\_\_\_\_
- Extra Recorder \_\_\_\_\_
- Day Standby \_\_\_\_\_
- Accessibility \_\_\_\_\_
- Sub Total 1580

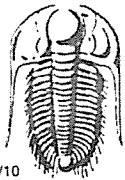
- T-On Location 5:00pm
- T-Started 5:18pm
- T-Open 6:44pm
- T-Pulled 8:44pm
- T-Out 10:35pm
- Comments Stop
- Ruined Shale Packer \_\_\_\_\_
- Ruined Packer \_\_\_\_\_
- Extra Copies \_\_\_\_\_
- Sub Total 0
- Total 1580
- MP/DST Disc't \_\_\_\_\_

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

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

Our Representative [Signature]

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 62952

Well Name & No. Pawnee #1 Test No. 2 Date 9-28-2015  
 Company Palomino Petroleum Inc Elevation 1408 KB 1403 GL  
 Address 4924 SE 84th St Newton KS 67114-8327  
 Co. Rep / Geo. Andrew Stenzel Rig WW Drilling Rig #6  
 Location: Sec. 10 Twp. 21S Rge. 3E Co. Marion State KS

Interval Tested 2595-2815 Zone Tested Hunton  
 Anchor Length 220 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.6  
 Top Packer Depth 2590 Drill Collars Run 120 Vis 44  
 Bottom Packer Depth 2595 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 2815 Chlorides 1250 ppm System LCM Tf

Blow Description I.F.P. - Weak Blow Built 1 3/4 inch into Bucket  
I.S.I.P. - NO Blow Back  
F.F.P. - Very weak Surface Blow Built 3/4 inch into Bucket  
F.S.I.P. NO Blow Back

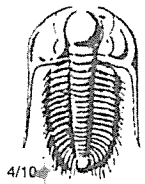
Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>mud</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

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

(A) Initial Hydrostatic 1374  Test 1050 T-On Location \_\_\_\_\_  
 (B) First Initial Flow 140  Jars 250 T-Started 3:23 AM  
 (C) First Final Flow 146  Safety Joint 75 T-Open 4:43 AM  
 (D) Initial Shut-In 1053  Circ Sub \_\_\_\_\_ T-Pulled 6:48 AM  
 (E) Second Initial Flow 157  Hourly Standby \_\_\_\_\_ T-Out 8:18  
 (F) Second Final Flow 165  Mileage 205 Roundtrip Great Bend Comments Stayed on Location  
 (G) Final Shut-In 1045  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1329  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1375  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1375

Approved By \_\_\_\_\_ Our Representative [Signature]

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



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 62953

Well Name & No. Pawnee #1 Test No. 3 Date 9-28-2015  
 Company Palomino Petroleum Inc Elevation 1408 KB 1403 GL  
 Address 4924 SE 84th St Newton KS 67114 + 8827  
 Co. Rep / Geo. Andrew Stenzel Rig W W Drilling Rig #16  
 Location: Sec. 10 Twp. 21S Rge. 3E Co. Marion State KS

Interval Tested 2595 - 2825 Zone Tested Hunton  
 Anchor Length 230 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.4  
 Top Packer Depth 2590 Drill Collars Run 120 Vis 45  
 Bottom Packer Depth 2595 Wt. Pipe Run \_\_\_\_\_ WL 5.8  
 Total Depth 2825 Chlorides 1100 ppm System LCM Tr

Blow Description TFP - Weak Blow Built 3 inches into Bucket  
ISIP - No Blow Back  
FFP - Weak Building Blow Built 4 inches into Bucket  
ESIP - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</u>	<u>Mud</u>				
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 150 BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1369</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location _____
(B) First Initial Flow <u>148</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:10pm</u>
(C) First Final Flow <u>146</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:28pm</u>
(D) Initial Shut-In <u>1039</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>5:28pm</u>
(E) Second Initial Flow <u>160</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>7:10pm</u>
(F) Second Final Flow <u>183</u>	<input checked="" type="checkbox"/> Mileage <u>205 Road Trip Great Bend</u>	Comments <u>Stayed on Location</u>
(G) Final Shut-In <u>1036</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1346</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 600  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 600  Day Standby \_\_\_\_\_ Total 1375  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1375

Approved By \_\_\_\_\_ Our Representative [Signature]

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