



RECEIVED

MAR 18 2013

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 135139  
Invoice Date: Mar 8, 2013  
Page: 1

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

<b>Bill To:</b>
Palomino Petroleum, Inc. 4924 SE 84th St. Newton, KS 67114-8827

Customer ID	Field Ticket #	Payment Terms	
Palo	60351	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Mar 8, 2013	4/7/13

Quantity	Item	Description	Unit Price	Amount
		Betty-Marilyn #1		
150.00	MAT	Class A Common	17.90	2,685.00
3.00	MAT	Gel	23.40	70.20
5.00	MAT	Chloride	64.00	320.00
162.09	SER	Cubic Feet	2.48	401.98
88.80	SER	Ton Mileage	2.60	230.88
1.00	SER	Surface	1,512.25	1,512.25
12.00	SER	Pump Truck Mileage	7.70	92.40
12.00	SER	Light Vehicle Mileage	4.40	52.80
1.00	CEMENTER	Charles Elkins		
1.00	EQUIP OPER	Joshua Isaac		
1.00	OPER ASSIST	Austin Riley		

Subtotal	5,365.51
Sales Tax	193.74
Total Invoice Amount	5,559.25
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,559.25</b>

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

\$

ONLY IF PAID ON OR BEFORE  
Apr 2, 2013

# ALLIED OIL & GAS SERVICE, LLC 060351

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Great Bend, KS

DATE <u>3-8-13</u>	SEC. <u>28</u>	TWP. <u>185</u>	RANGE <u>25W</u>	CALLED OUT <u>12:30 AM</u>	ON LOCATION <u>2:48 AM</u>	JOB START <u>9:00 AM</u>	JOB FINISH <u>9:30 AM</u>
LEASE <u>Betty-Marilyn</u>			WELL # <u>1</u>	LOCATION <u>Ness City, 10W to Hrd, N 1/2, E 1/4 to 100.</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>
OLD OR (NEW) (Circle one)							

CONTRACTOR Pickroll 10  
 TYPE OF JOB Surface Casing  
 HOLE SIZE 12 1/4" T.D. 225 ft  
 CASING SIZE 8 5/8" 23# DEPTH 224.44 ft  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 20 ft  
 CEMENT LEFT IN CSG. 20 ft, 1.272 bbl, 5.35x  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 13 bbls Fresh Water

OWNER Palomino Petroleum, Inc

CEMENT AMOUNT ORDERED 150 sk "A" 390 Ccwt + 2% Gcl

EQUIPMENT  
 PUMP TRUCK CEMENTER Charles Ekins  
 # 398 HELPER Josh Isaac  
 BULK TRUCK # 344 DRIVER Austin Riley  
 BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>150</u>	@ <u>17.90</u>	<u>2,685.00</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@ <u>64.00</u>	<u>320.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>162.05</u>	@ <u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4 x 12x</u>	<u>2.60</u>	<u>230.80</u>
TOTAL			<u>3,708.06</u>

**REMARKS:**

Pump 5 bbls Fresh Water  
Pump 36 bbls Cement (150 sk)  
Displace with 13 bbls Fresh water  
Leave 20 ft, 1.272 bbl, 5.35x cm+ in casing  
Circulate 5 1/2 bbls, 235 sk Cement to surface

**SERVICE**

DEPTH OF JOB	<u>224</u>		
PUMP TRUCK CHARGE		<u>1512.25</u>	
EXTRA FOOTAGE		@	
MILEAGE <u>Hum 12</u>		@ <u>7.70</u>	<u>92.40</u>
MANIFOLD		@	
<u>Hum 12</u>		@ <u>4.40</u>	<u>52.80</u>
		@	

TOTAL 1,657.45

CHARGE TO: Palomino Petroleum, Inc.  
 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.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 5,365.51  
1,341.57  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
4,024.13

PRINTED NAME Mike Kern

SIGNATURE Mike Kern



RECEIVED

APR 01 2013

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 135368

Invoice Date: Mar 17, 2013

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

**Bill To:**

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

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Palo	59370	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Great Bend	Mar 17, 2013	4/16/13

Quantity	Item	Description	Unit Price	Amount
		Berry Marilyn #1		
168.00	MAT	Class A Common	17.90	3,007.20
112.00	MAT	Pozmix	9.35	1,047.20
10.00	MAT	Gel	23.40	234.00
70.00	MAT	Flo Seal	2.97	207.90
301.32	SER	Cubic Feet	2.48	747.27
150.83	SER	Ton Mileage	2.60	392.18
1.00	SER	Rotary Plug	2,249.84	2,249.84
12.00	SER	Pump Truck Mileage	7.70	92.40
12.00	SER	Light Vehicle Mileage	4.40	52.80
1.00	CEMENTER	Dustin Chambers		
1.00	OPER ASSIST	Charles Kinyon		
1.00	EQUIP OPER	Mike Scothorn		
1.00	EQUIP OPER	Joel Monahan		

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

\$ 2,007.69

ONLY IF PAID ON OR BEFORE

Apr 11, 2013

Subtotal	8,030.79
Sales Tax	505.94
Total Invoice Amount	8,536.73
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,536.73</b>

# ALLIED OIL & GAS SERVICES, LLC 059370

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Carey Plains

DATE <u>3-17-13</u>	SEC. <u>28</u>	TWP. <u>18S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:30</u>	JOB FINISH <u>5:30</u>
BERRY LEASE <u>Marilyn</u>		WELL# <u>1</u>	LOCATION <u>Ness City W 10 HRd 1N</u>		COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>EXIST</u>				

CONTRACTOR Pickrell Drilling #10  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE 12 1/4 T.D.  
 CASING SIZE 4 1/2 DEPTH  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH 1800  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG. A11  
 PERFS.  
 DISPLACEMENT Freshwater  
 EQUIPMENT

OWNER  
 CEMENT  
 AMOUNT ORDERED 2280 SKS 60% class A  
404 p02 417 gal 1/4 Plc

COMMON <u>168</u>	@ <u>17.90</u>	<u>3,007.20</u>
POZMIX <u>112</u>	@ <u>9.35</u>	<u>1,047.20</u>
GEL <u>10</u>	@ <u>23.40</u>	<u>234.00</u>
CHLORIDE	@	
ASC	@	
<u>Flow Seal 70</u>	@ <u>2.97</u>	<u>207.90</u>
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>301.32</u>	@ <u>2.48</u>	<u>747.27</u>
MILEAGE <u>12.57 x 12 x</u>	<u>2.60</u>	<u>392.16</u>
TOTAL		<u>5,635.75</u>

PUMP TRUCK CEMENTER Dustin Chambers  
 # 366 HELPER Charles Kinyon  
 BULK TRUCK  
 # 609-112 DRIVER Mike Scott Horn  
 BULK TRUCK  
 # DRIVER Joel Manahan

**REMARKS:**

- Fill Hole with Rig Mud
- 1. 1800 - 50 SKS
- 2. 1150 - 50 SKS
- 3. 600 - 50 SKS
- 4. 250 - 50 SKS
- 5. 60 - 20 SKS
- 6. RH - 30 SKS
- Plug Down 5:00 pm

**SERVICE**

DEPTH OF JOB <u>1800</u>		
PUMP TRUCK CHARGE	<u>2249.74</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>Hum 12</u>	@ <u>7.70</u>	<u>92.40</u>
MANIFOLD	@	
<u>Lum 12</u>	@ <u>4.40</u>	<u>52.80</u>
	@	

CHARGE TO: Palomina Petroleum  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL 2,395.24

**PLUG & FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL \_\_\_\_\_

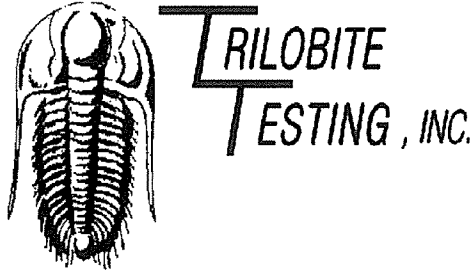
To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) \_\_\_\_\_

TOTAL CHARGES	<u>8,030.79</u>
DISCOUNT	<u>2,001.69</u>
	<u>6,023.09</u>

IF PAID IN 30 DAYS

PRINTED NAME x Mike Kenn  
 SIGNATURE x Mike Kenn  
Thank You!!



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE St  
Newton KS 67114

ATTN: Jerry Smith

### **Betty-Marilyn #1**

#### **28-18s-25w Ness,KS**

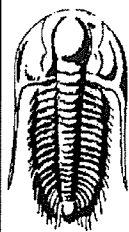
Start Date: 2013.03.14 @ 23:45:00

End Date: 2013.03.15 @ 07:53:30

Job Ticket #: 52039                      DST #: 1

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

Printed: 2013.03.20 @ 10:29:53



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**28-18s-25w Ness, KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52039      **DST#: 1**

ATTN: Jerry Smith

Test Start: 2013.03.14 @ 23:45:00

## GENERAL INFORMATION:

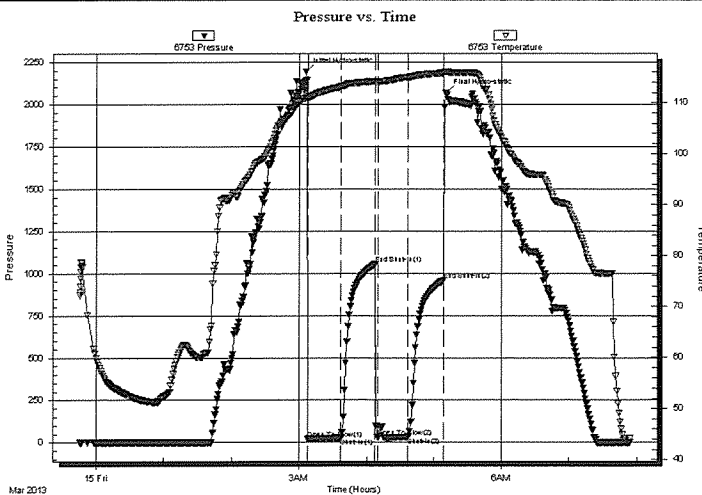
Formation: **Ft Scott**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 03:07:30  
 Time Test Ended: 07:53:30  
 Interval: **4300.00 ft (KB) To 4366.00 ft (KB) (TVD)**  
 Total Depth: 4366.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2474.00 ft (KB)  
 2465.00 ft (CF)  
 KB to GRVCF: 9.00 ft

## Serial #: 6753

Inside

Press@RunDepth: 31.05 psig @ 4306.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.03.14      End Date: 2013.03.15      Last Calib.: 2013.03.15  
 Start Time: 23:45:05      End Time: 07:53:29      Time On Btm: 2013.03.15 @ 03:06:00  
 Time Off Btm: 2013.03.15 @ 05:11:00

TEST COMMENT: IF-2" blow  
 IS-No blow  
 FF-1/4" blow  
 FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.15	111.02	Initial Hydro-static
2	21.13	110.90	Open To Flow (1)
32	27.04	113.16	Shut-In(1)
62	1053.85	114.26	End Shut-In(1)
64	29.23	114.02	Open To Flow (2)
91	31.05	115.00	Shut-In(2)
123	958.47	115.85	End Shut-In(2)
125	2068.15	116.09	Final Hydro-static

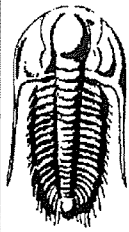
## Recovery

Length (ft)	Description	Volume (bbl)
25.00	mud	0.35

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52039

**DST#: 1**

ATTN: Jerry Smith

Test Start: 2013.03.14 @ 23:45:00

### Tool Information

Drill Pipe:	Length: 4282.00 ft	Diameter: 3.80 inches	Volume: 60.07 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4300.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 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			4273.00	
Shut In Tool	5.00			4278.00	
Hydraulic tool	5.00			4283.00	
Jars	5.00			4288.00	
Safety Joint	2.00			4290.00	
Packer	5.00			4295.00	28.00 Bottom Of Top Packer
Packer	5.00			4300.00	
Stubb	1.00			4301.00	
Perforations	4.00			4305.00	
Change Over Sub	1.00			4306.00	
Recorder	0.00	6753	Inside	4306.00	
Recorder	0.00	8166	Outside	4306.00	
Blank Spacing	31.00			4337.00	
Change Over Sub	1.00			4338.00	
Perforations	25.00			4363.00	
Bullnose	3.00			4366.00	66.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>94.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52039

**DST#: 1**

ATTN: Jerry Smith

Test Start: 2013.03.14 @ 23:45:00

## 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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	mud	0.351

Total Length: 25.00 ft      Total Volume: 0.351 bbl

Num Fluid Samples: 0

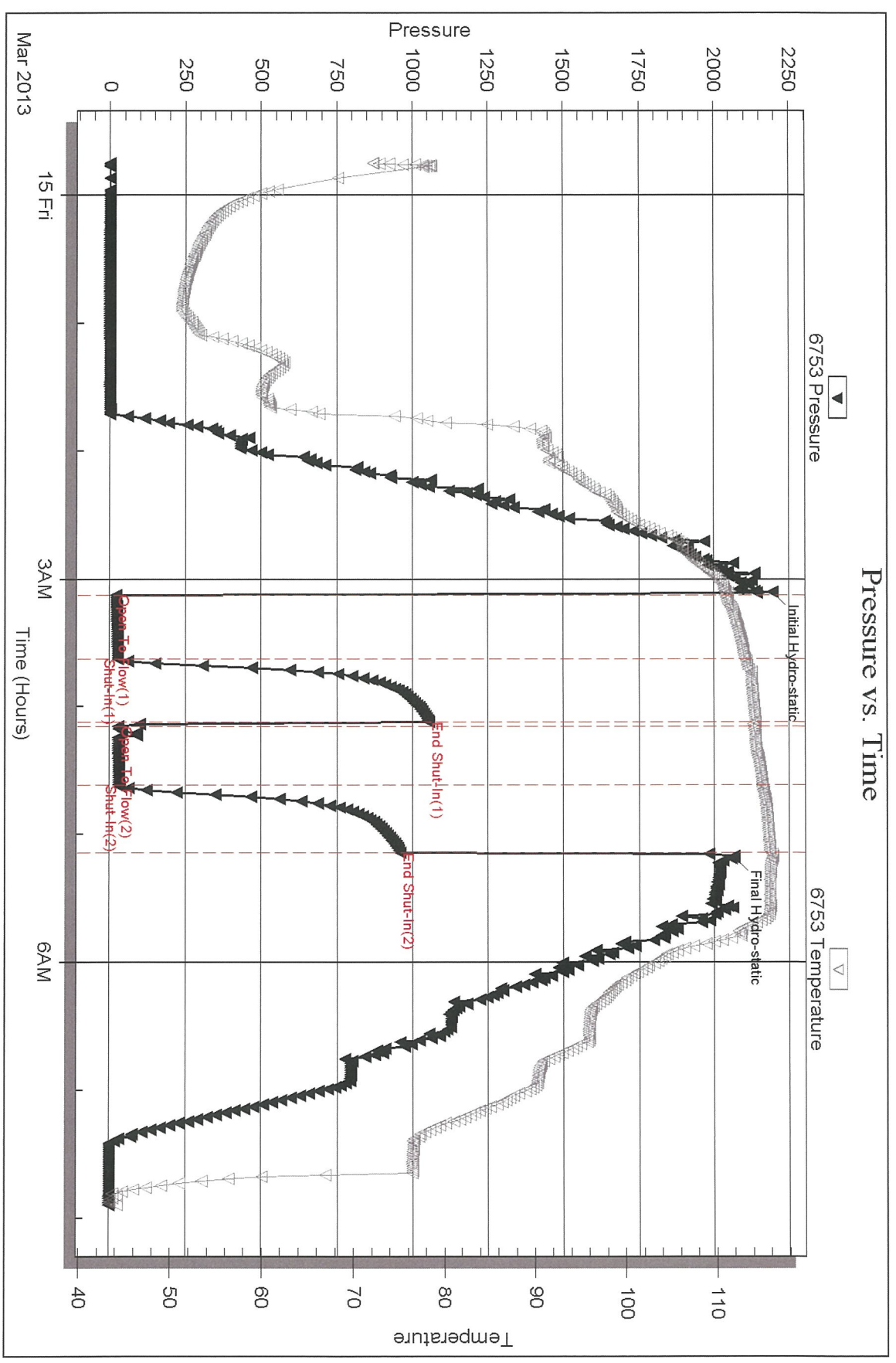
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

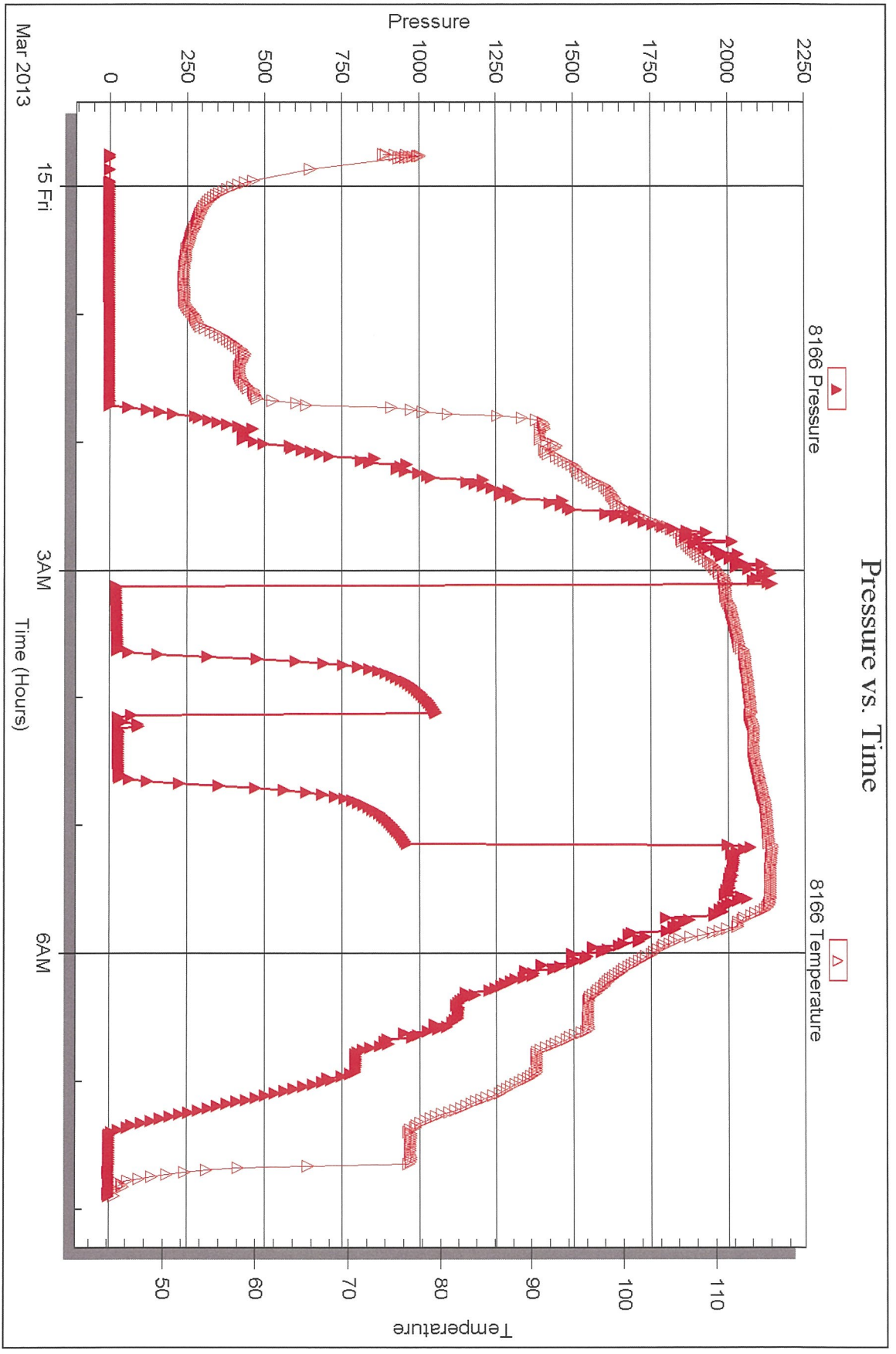


Serial #: 8166

Outside Palomino Petroleum Inc.

Betty-Marilyn #1

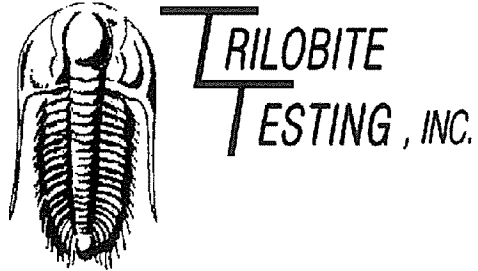
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 52039

Printed: 2013.03.20 @ 10:29:56



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE St  
Newton KS 67114

ATTN: Jerry Smith

### **Betty-Marilyn #1**

#### **28-18s-25w Ness,KS**

Start Date: 2013.03.15 @ 19:30:00

End Date: 2013.03.16 @ 03:47:30

Job Ticket #: 52040                      DST #: 2

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

Printed: 2013.03.20 @ 10:29:16

Palomino Petroleum Inc.

28-18s-25w Ness,KS

Betty-Marilyn #1

DST # 2

Miss

2013.03.15



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52040

**DST#: 2**

ATTN: Jerry Smith

Test Start: 2013.03.15 @ 19:30:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:00:00

Time Test Ended: 03:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **4399.00 ft (KB) To 4450.00 ft (KB) (TVD)**

Reference Elevations: 2474.00 ft (KB)

Total Depth: 4450.00 ft (KB) (TVD)

2465.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6753 Inside**

Press@RunDepth: 88.86 psig @ 4405.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.15

End Date: 2013.03.16

Last Calib.: 2013.03.16

Start Time: 19:30:05

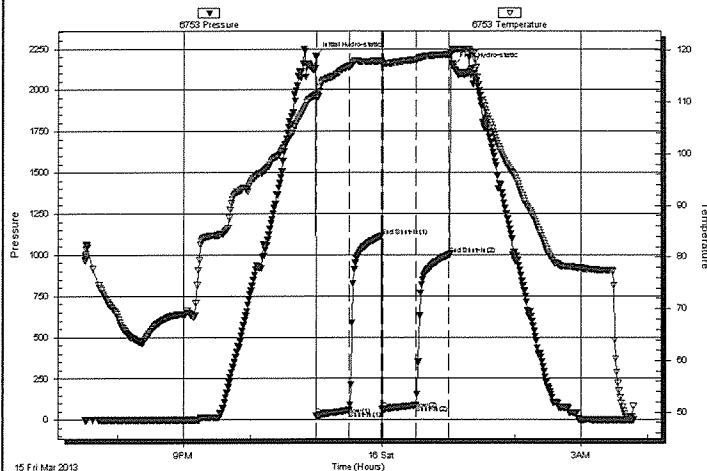
End Time: 03:47:29

Time On Btm: 2013.03.15 @ 22:59:00

Time Off Btm: 2013.03.16 @ 01:04:00

TEST COMMENT: IF-10" blow  
IS- No blow  
FF-BOB in 28 min  
FSI- No blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.70	111.35	Initial Hydro-static
1	23.73	110.91	Open To Flow (1)
31	57.29	116.92	Shut-In(1)
60	1113.17	117.96	End Shut-In(1)
62	62.28	117.50	Open To Flow (2)
92	88.86	118.21	Shut-In(2)
122	999.80	119.26	End Shut-In(2)
125	2144.38	120.18	Final Hydro-static

## Recovery

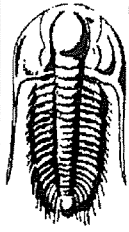
Length (ft)	Description	Volume (bbl)
105.00	SGO 10%G 90%O	1.47
30.00	SGOCM 10%G 40%O 50%M	0.42
45.00	OCM 35%O 65%M	0.63
0.00	120' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52040

**DST#: 2**

ATTN: Jerry Smith

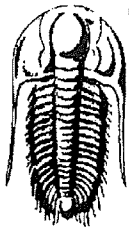
Test Start: 2013.03.15 @ 19:30:00

### Tool Information

Drill Pipe:	Length: 4376.00 ft	Diameter: 3.80 inches	Volume: 61.38 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 61.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4399.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	79.00 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			4372.00	
Shut In Tool	5.00			4377.00	
Hydraulic tool	5.00			4382.00	
Jars	5.00			4387.00	
Safety Joint	2.00			4389.00	
Packer	5.00			4394.00	28.00 Bottom Of Top Packer
Packer	5.00			4399.00	
Stubb	1.00			4400.00	
Perforations	4.00			4404.00	
Change Over Sub	1.00			4405.00	
Recorder	0.00	6753	Inside	4405.00	
Recorder	0.00	8166	Outside	4405.00	
Blank Spacing	31.00			4436.00	
Change Over Sub	1.00			4437.00	
Perforations	10.00			4447.00	
Bullnose	3.00			4450.00	51.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>79.00</b>				



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52040

**DST#: 2**

ATTN: Jerry Smith

Test Start: 2013.03.15 @ 19:30:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 54.00 sec/qt  
Water Loss: 10.78 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4500.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 34 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	SGO 10%G 90%O	1.473
30.00	SGOCM 10%G 40%O 50%M	0.421
45.00	OCM 35%O 65%M	0.631
0.00	120' GIP	0.000

Total Length: 180.00 ft      Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

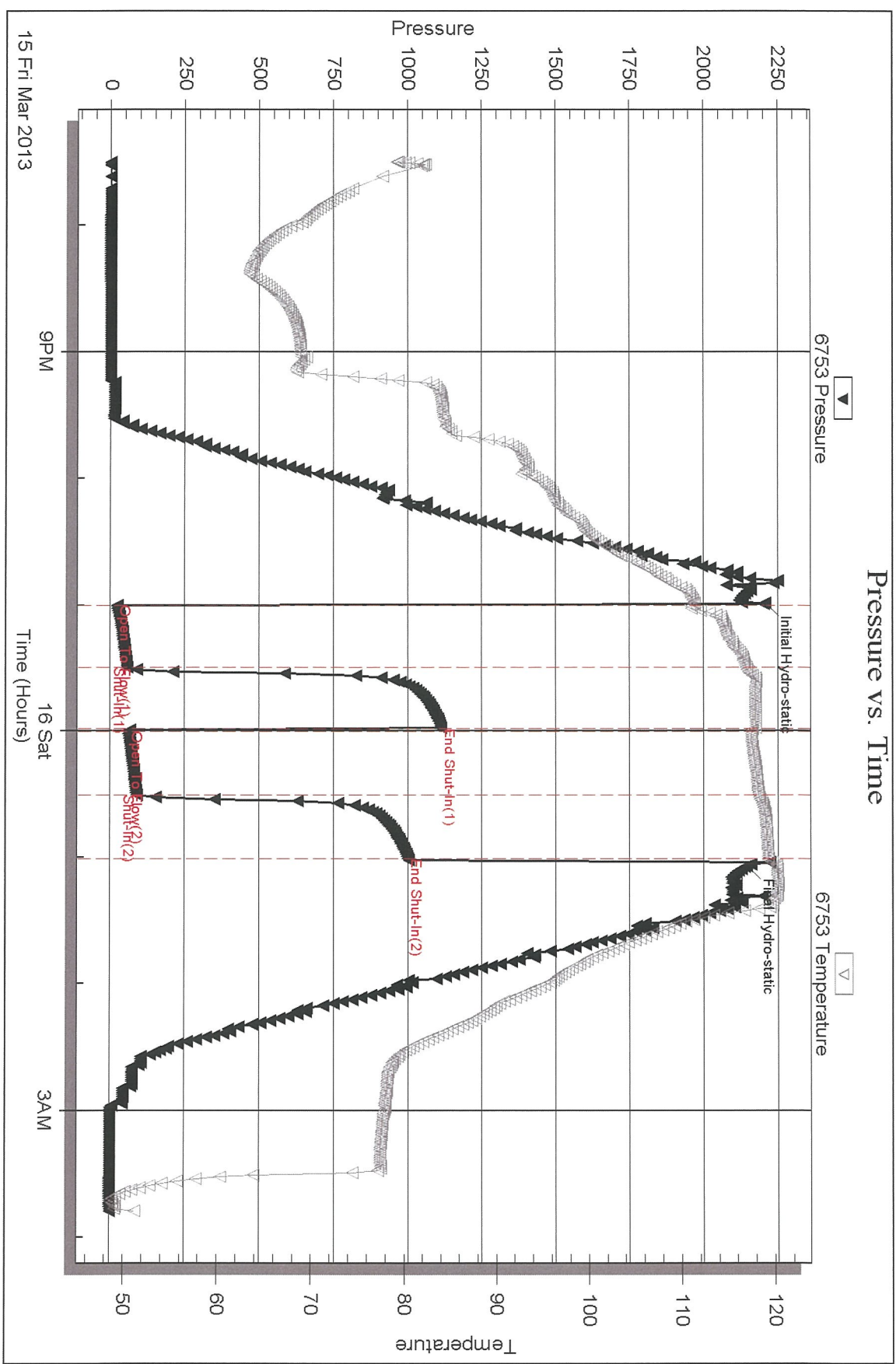
Inside

Palomino Petroleum Inc.

Betty-Marilyn #1

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 52040

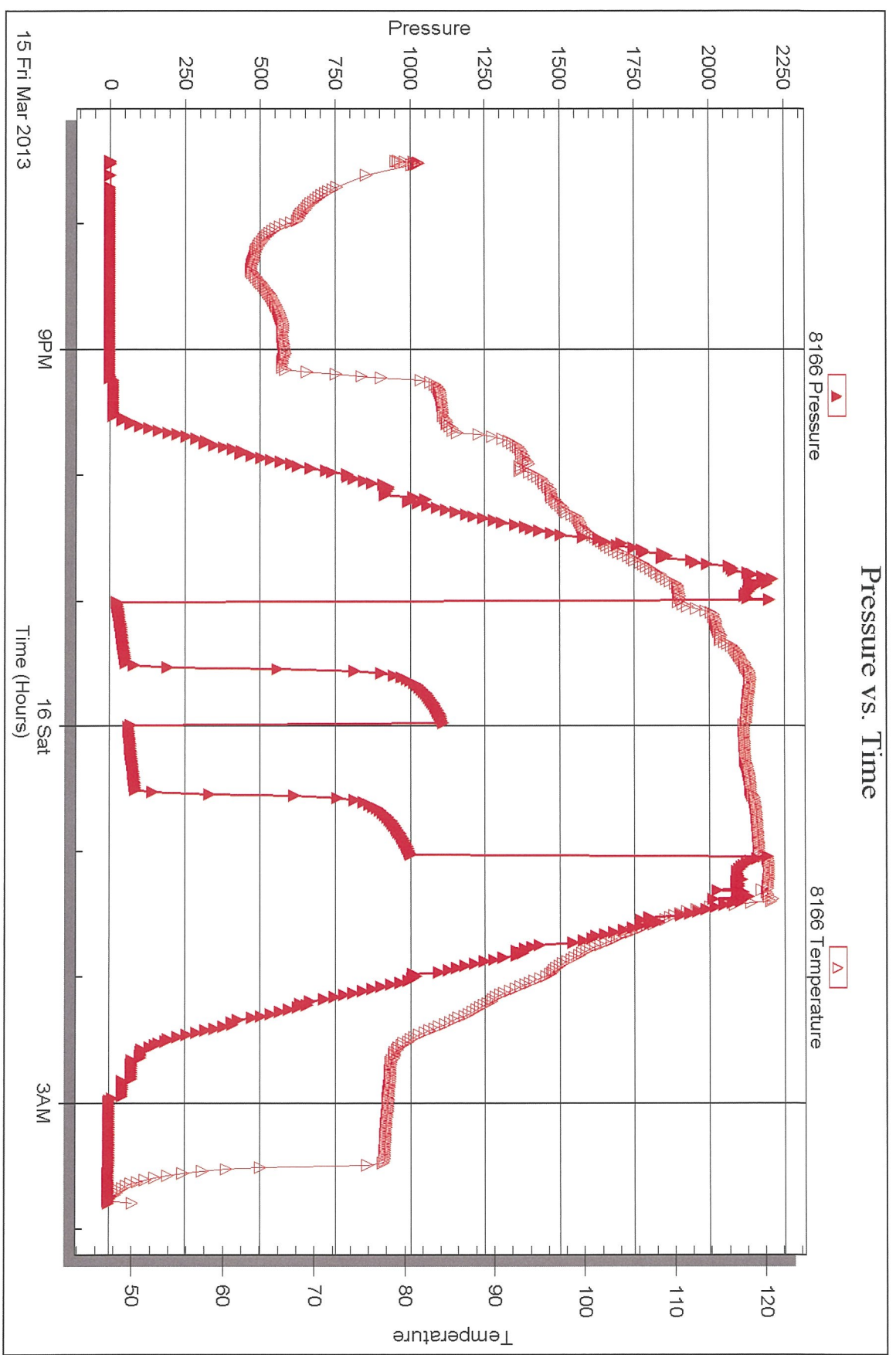
Printed: 2013.03.20 @ 10:29:18

Serial #: 8166

Outside Palomino Petroleum Inc.

Betty-Marilyn #1

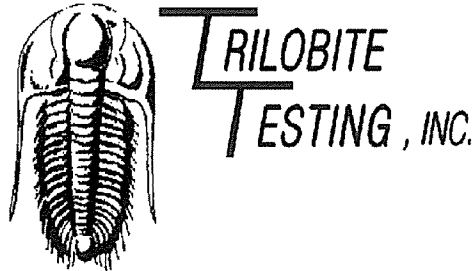
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 52040

Printed: 2013.03.20 @ 10:29:19



## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE St  
Newton KS 67114

ATTN: Jerry Smith

### **Betty-Marilyn #1**

#### **28-18s-25w Ness,KS**

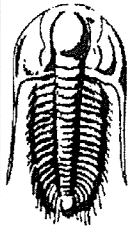
Start Date: 2013.03.16 @ 19:55:00

End Date: 2013.03.17 @ 04:20:30

Job Ticket #: 52041                      DST #: 3

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

Printed: 2013.03.20 @ 10:28:35



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52041

**DST#: 3**

ATTN: Jerry Smith

Test Start: 2013.03.16 @ 19:55:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:19:30

Time Test Ended: 04:20:30

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **4411.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 2474.00 ft (KB)

Total Depth: 4520.00 ft (KB) (TVD)

2465.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6753 Outside**

Press@RunDepth: 547.11 psig @ 4449.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.16

End Date:

2013.03.17

Last Calib.: 2013.03.17

Start Time: 19:55:05

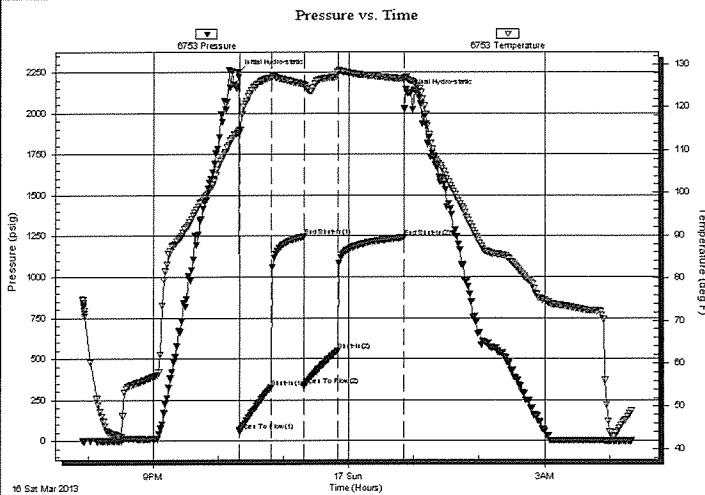
End Time:

04:20:29

Time On Btm: 2013.03.16 @ 22:18:00

Time Off Btm: 2013.03.17 @ 00:53:30

TEST COMMENT: IF-BOB in 4 1/2 min  
ISI-No blow  
FF-BOB in 5 1/2 min  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.16	114.00	Initial Hydro-static
2	58.50	114.05	Open To Flow (1)
31	325.07	126.86	Shut-In(1)
61	1246.30	125.32	End Shut-In(1)
62	337.46	124.96	Open To Flow (2)
92	547.11	128.18	Shut-In(2)
153	1240.50	126.52	End Shut-In(2)
156	2124.80	127.01	Final Hydro-static

## Recovery

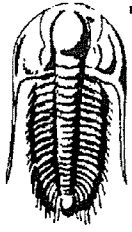
Length (ft)	Description	Volume (bbl)
60.00	Socm 5%O 95%M	0.84
300.00	Somcw 10%O 40%M 50%W	4.21
240.00	OMCW 15%O 20%M 65%W	3.37
240.00	OMCW 15%O 10%M 75%W	3.37
120.00	SOW 5%O 95%M	1.68
215.00	Water	3.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**28-18s-25w Ness, KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52041

**DST#: 3**

ATTN: Jerry Smith

Test Start: 2013.03.16 @ 19:55:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:19:30

Time Test Ended: 04:20:30

Test Type: Conventional Straddle (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **4411.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 2474.00 ft (KB)

Total Depth: 4520.00 ft (KB) (TVD)

2465.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8166** Inside

Press@RunDepth: psig @ 4449.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.16

End Date: 2013.03.17

Last Calib.: 2013.03.17

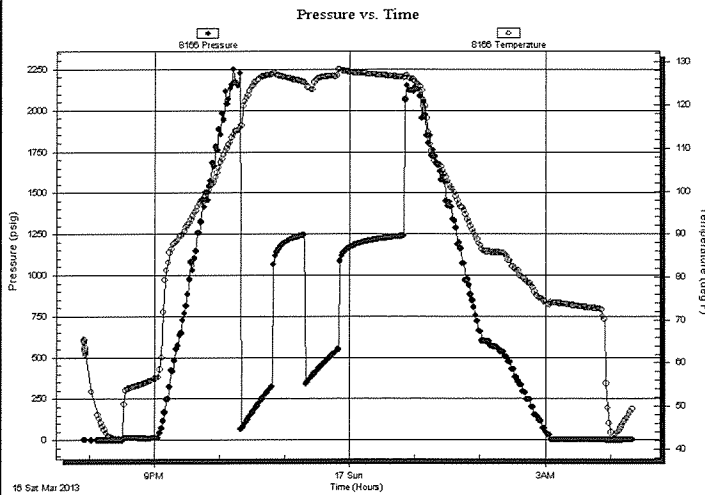
Start Time: 19:55:05

End Time: 04:20:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 4 1/2 min  
ISI-No blow  
FF-BOB in 5 1/2 min  
FSI-No blow



## PRESSURE SUMMARY

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

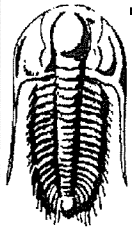
## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Socm 5%O 95%M	0.84
300.00	Somcw 10%O 40%M 50%W	4.21
240.00	OMCW 15%O 20%M 65%W	3.37
240.00	OMCW 15%O 10%M 75%W	3.37
120.00	SOW 5%O 95%M	1.68
215.00	Water	3.02

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52041

**DST#: 3**

ATTN: Jerry Smith

Test Start: 2013.03.16 @ 19:55:00

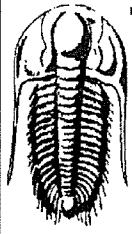
### Tool Information

Drill Pipe:	Length: 4406.00 ft	Diameter: 3.80 inches	Volume: 61.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<b>Total Volume: 61.80 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4411.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	4470.00 ft			
Interval between Packers:	59.00 ft			
Tool Length:	140.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4384.00	
Shut In Tool	5.00			4389.00	
Hydraulic tool	5.00			4394.00	
Jars	5.00			4399.00	
Safety Joint	3.00			4402.00	
Packer	4.00			4406.00	28.00 Bottom Of Top Packer
Packer	5.00			4411.00	
Stubb	1.00			4412.00	
Perforations	4.00			4416.00	
change Over Sub	1.00			4417.00	
Blank Spacing	31.00			4448.00	
change Over Sub	1.00			4449.00	
Recorder	0.00	8166	Inside	4449.00	
Recorder	0.00	6753	Outside	4449.00	
Perforations	17.00			4466.00	
Blank Off Sub	4.00			4470.00	59.00 Tool Interval
Packer	4.00			4474.00	
Stubb	1.00			4475.00	
Recorder	0.00	8319	Below	4475.00	
perforations	6.00			4481.00	
Change Over Sub	1.00			4482.00	
Blank Spacing	32.00			4514.00	
Change Over Sub	1.00			4515.00	
Perforations	5.00			4520.00	
Bullnose	3.00			4523.00	53.00 Bottom Packers & Anchor

**Total Tool Length: 140.00**



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.

**28-18s-25w Ness,KS**

4924 SE St  
New ton KS 67114

**Betty-Marilyn #1**

Job Ticket: 52041

**DST#: 3**

ATTN: Jerry Smith

Test Start: 2013.03.16 @ 19:55:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: 8.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3600.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 74000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Socm 5%O 95%M	0.842
300.00	Somcw 10%O 40%M 50%W	4.208
240.00	OMCW 15%O 20%M 65%W	3.367
240.00	OMCW 15%O 10%M 75%W	3.367
120.00	SOW 5%O 95%M	1.683
215.00	Water	3.016

Total Length: 1175.00 ft      Total Volume: 16.483 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

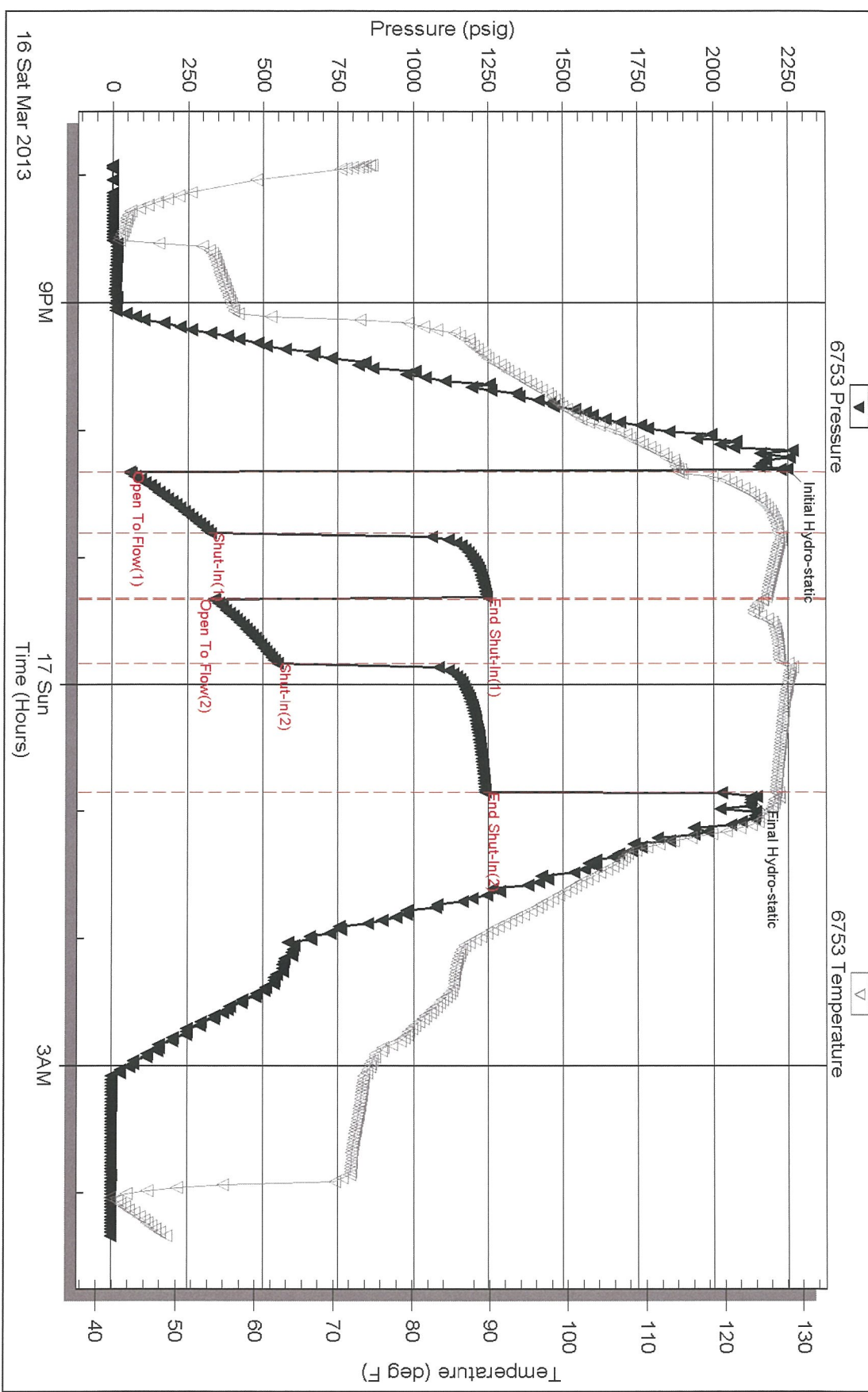
Serial #: 6753

Outside Palomino Petroleum Inc.

Betty-Marilyn #1

DST Test Number: 3

### Pressure vs. Time



Trijobite Testing, Inc

Ref. No: 52041

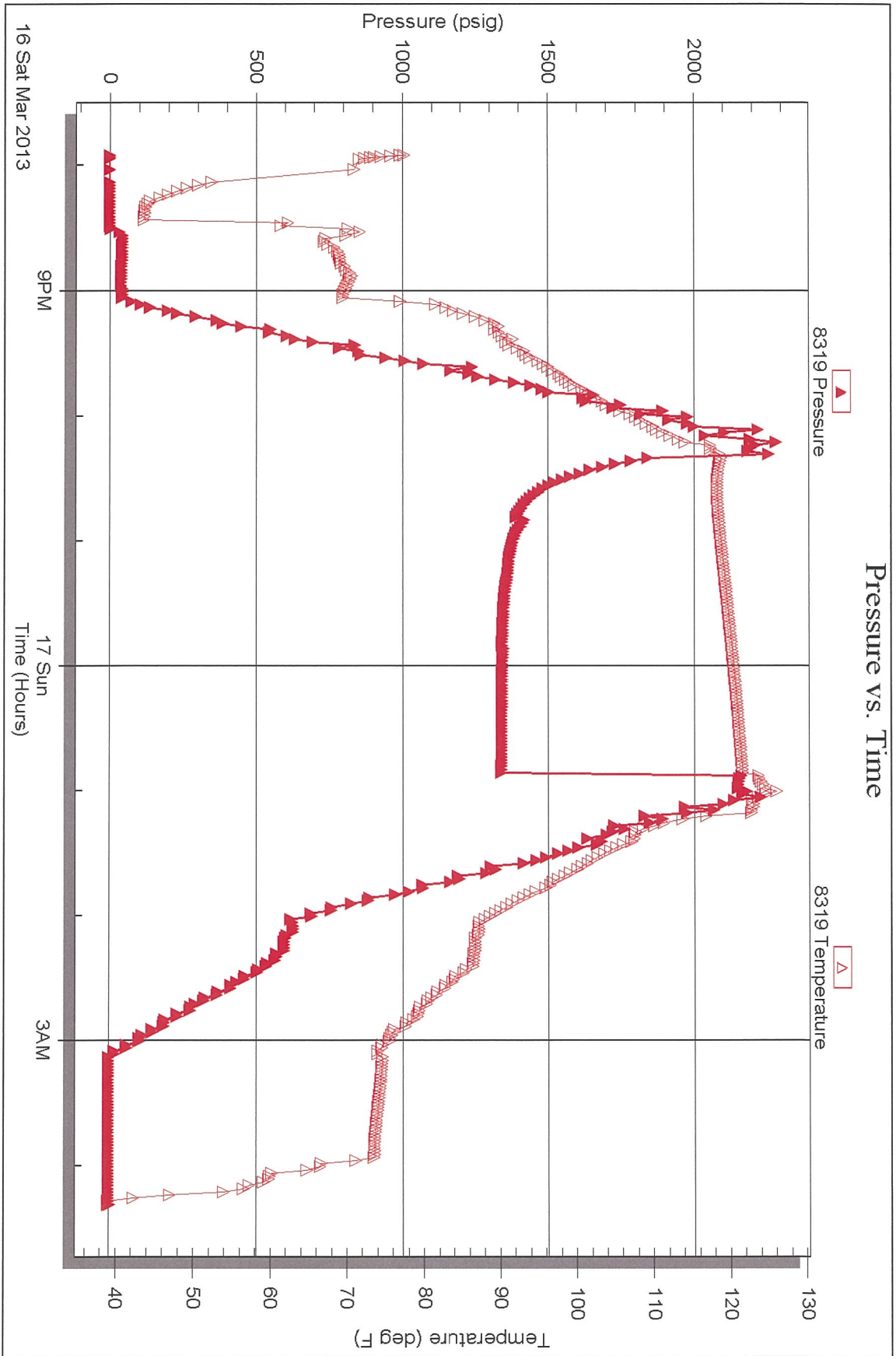
Printed: 2013.03.20 @ 10:28:38

Serial #: 8319

Below (Strat) Petro Petroleum Inc.

Betty-Marilyn #1

DST Test Number: 3

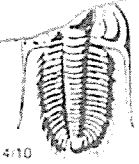


Triobite Testing, Inc

Ref. No: 52041

Printed: 2013.03.20 @ 10:28:38





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52039

Well Name & No. Betty-Marilyn #1 Test No. 1 Date 3/14/13  
 Company Palomna Petroleum, Inc Elevation 2474 KB 2465 GL  
 Address 4924 SE 89th St Newton KS 67114  
 Co. Rep / Geo. \_\_\_\_\_ Rig Pictroll #10  
 Location: Sec. 28 Twp. 18 Rge. 25w Co. Ness State KS

Interval Tested 4300 - 4366 Zone Tested F1 Scott  
 Anchor Length 66 Drill Pipe Run 4282 Mud Wt. 9.2  
 Top Packer Depth 4295 Drill Collars Run \_\_\_\_\_ Vis 47  
 Bottom Packer Depth 4300 Wt. Pipe Run \_\_\_\_\_ WL 11.2  
 Total Depth 4366 Chlorides 6,200 ppm System LCM \_\_\_\_\_

Blow Description FF - 2 in blow  
FSI - No blow  
FF - 1/4 in blow  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 25 BHT 116 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,194  Test 1250 T-On Location 17:45  
 (B) First Initial Flow 21  Jars 250 T-Started 23:45  
 (C) First Final Flow 27  Safety Joint 75 T-Open 3:00  
 (D) Initial Shut-In 1,054  Circ Sub \_\_\_\_\_ T-Pulled 5:00  
 (E) Second Initial Flow 29  Hourly Standby \_\_\_\_\_ T-Out 7:43  
 (F) Second Final Flow 31  Mileage 134 RT 207.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 958  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,068  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Day Standby \_\_\_\_\_ Total 1782.70  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1782.70

Approved By \_\_\_\_\_ Our Representative But D...

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. 52040

Well Name & No. Beth-Marilyn #1 Test No. 2 Date 3/15/13  
 Company Palomino Petroleum, Inc Elevation 2474 KB 2465 GL  
 Address 4924 SE 84th ST Newton KS 67114  
 Co. Rep / Geo. \_\_\_\_\_ Rig Pickrell #10  
 Location: Sec. 28 Twp. 18 Rge. 25w Co. Ness State KS

Interval Tested 4399-4450 Zone Tested MISSISSIPPI  
 Anchor Length 51 Drill Pipe Run 2376 Mud Wt. 9.2  
 Top Packer Depth 4394 Drill Collars Run \_\_\_\_\_ Vis 54  
 Bottom Packer Depth 4399 Wt. Pipe Run \_\_\_\_\_ WL 10.8  
 Total Depth 4430 Chlorides 4,500 ppm System LCM \_\_\_\_\_

Blow Description IF - 10 in blow  
IS - No blow  
IF - BOB in 28 min  
EST - No blow

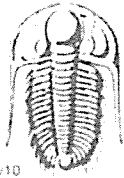
Rec	Feet of	%gas	%oil	%water	%mud
<u>105</u>	<u>SEO</u>	<u>10</u>	<u>90</u>		
<u>30</u>	<u>SEOCM</u>	<u>10</u>	<u>40</u>	<u>50</u>	
<u>45</u>	<u>OCM</u>		<u>35</u>	<u>65</u>	
	<u>180 FT GIP</u>				

Rec Total 180 BHT \_\_\_\_\_ Gravity 34 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2,207  Test 1250 T-On Location 17:30  
 (B) First Initial Flow 24  Jars 250 T-Started 18:30  
 (C) First Final Flow 57  Safety Joint 75 T-Open 23:00  
 (D) Initial Shut-In 1,113  Circ Sub \_\_\_\_\_ T-Pulled 1:00  
 (E) Second Initial Flow 62  Hourly Standby \_\_\_\_\_ T-Out 3:45  
 (F) Second Final Flow 89  Mileage 134.7 207.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,000  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,144  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 1782.70  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 1782.70

Approved By \_\_\_\_\_ Our Representative Burt

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. 52041

Well Name & No. Betty - Marilyn #1 Test No. 3 Date 3/16/13  
 Company Palomino Petroleum, Inc. Elevation 2474 KB 2463 GL  
 Address 4924 SE 84<sup>th</sup> St Newton KS 67114  
 Co. Rep / Geo. \_\_\_\_\_ Rig Pictrell #10  
 Location: Sec. 28 Twp. 18 Rge. 25w Co. Neos State KS

Interval Tested 4411 - 4470 Zone Tested Miss  
 Anchor Length 59 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.0  
 Top Packer Depth 4406, 4411 Drill Collars Run \_\_\_\_\_ Vis 51  
 Bottom Packer Depth 4470 Wt. Pipe Run \_\_\_\_\_ WL 9.0  
 Total Depth 4520 Chlorides 3,600 ppm System LCM \_\_\_\_\_

Blow Description IF - BOB in 4 1/2 min  
ISI - No blow  
FF - BOB in 5 1/2 min  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
800	Feet of <u>somen</u>	10	50	40	95
240	Feet of <u>OMCW</u>	15	75	80	20
120	Feet of <u>sow</u>	5		95	
215	Feet of <u>water</u>		100		
	Feet of _____	%gas	%oil	%water	%mud

Rec Total 1125 BHT 127 Gravity \_\_\_\_\_ API RW 25 @ 30 °F Chlorides 74000 ppm

(A) Initial Hydrostatic 2248  Test 1250 T-On Location 19:45  
 (B) First Initial Flow 59  Jars 250 T-Started 19:55  
 (C) First Final Flow 325  Safety Joint 75 T-Open 22:15  
 (D) Initial Shut-In 1,246  Circ Sub \_\_\_\_\_ T-Pulled 00:45  
 (E) Second Initial Flow 337  Hourly Standby \_\_\_\_\_ T-Out 4:15  
 (F) Second Final Flow 547  Mileage 134.7 207.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 1,241  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2,125  Straddle 250  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1782.70  
 Final Shut-In 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1782.70

Approved By \_\_\_\_\_ Our Representative Brian D. [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.