



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc

10-16s-27w Lane, Ks

4924 SE 84th St  
Newton, Ks  
67114

Fay #1

ATTN: Phil Asky

Job Ticket: 48276

DST#: 1

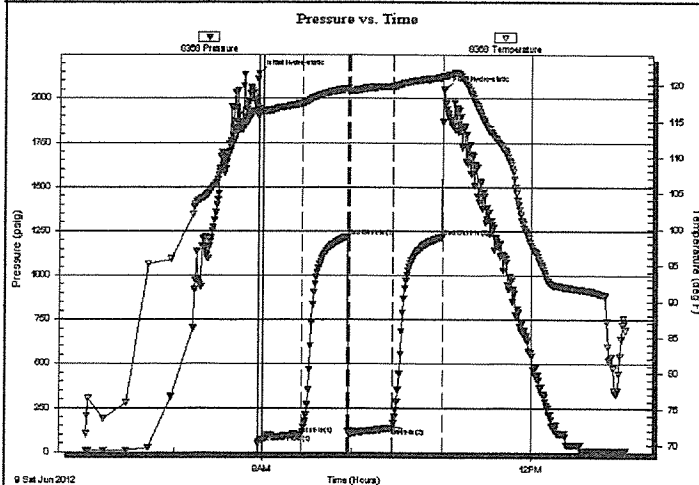
Test Start: 2012.06.09 @ 07:00:40

## GENERAL INFORMATION:

Formation: H-I  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 08:56:40  
 Time Test Ended: 13:20:25  
 Interval: 3942.00 ft (KB) To 4005.00 ft (KB) (TVD)  
 Total Depth: 4005.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 2511.00 ft (KB)  
 2506.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 8368 Outside  
 Press@RunDepth: 135.92 psig @ 3943.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.06.09 End Date: 2012.06.09 Last Calib.: 2012.06.09  
 Start Time: 07:00:40 End Time: 13:03:25 Time On Btm: 2012.06.09 @ 08:56:25  
 Time Off Btm: 2012.06.09 @ 11:01:10

TEST COMMENT: B.O.B. in 17 min.  
 No return  
 B.O.B. in 12 min.  
 1/4" in return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.10	116.71	Initial Hydro-static
1	49.76	115.66	Open To Flow (1)
30	101.68	117.49	Shut-In(1)
61	1219.24	119.56	End Shut-In(1)
62	106.97	119.23	Open To Flow (2)
91	135.92	119.82	Shut-In(2)
124	1215.27	121.06	End Shut-In(2)
125	2050.11	121.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	g m c o 15g 25m 60o	0.30
120.00	g o c m 15g 35o 50m	1.12
50.00	g s o c m 10g 5o 85m	0.70
0.00	195' gas in pipe	0.00

## Gas Rates

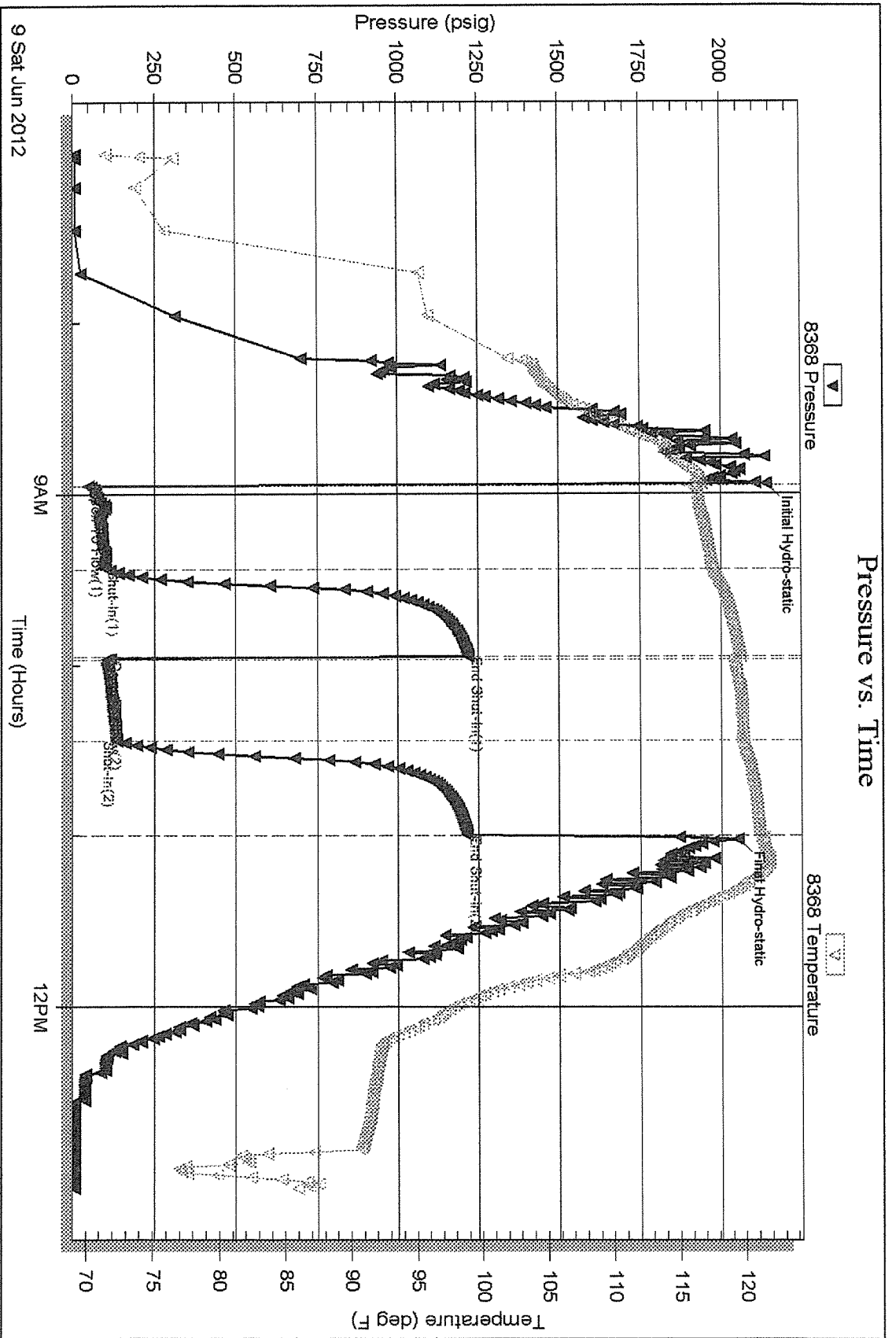
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

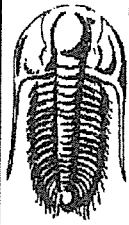
Serial #: 8368

Outside Palomiro Petroleum Inc

Fay #1

DST Test Number: 1





**TRILOBITE  
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## DRILL STEM TEST REPORT

Palomino Petroleum Inc  
4924 SE 84th St  
Newton, Ks  
67114  
ATTN: Phil Asky

10-16s-27w Lane, Ks

Fay #1

Job Ticket: 48277

DST#: 2

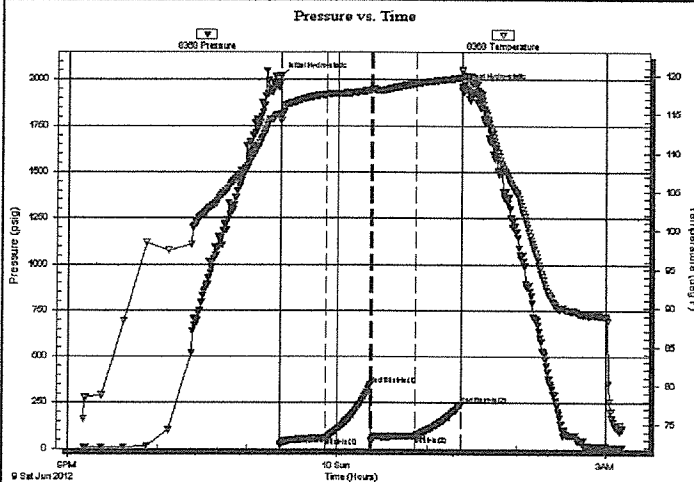
Test Start: 2012.06.09 @ 21:10:17

### GENERAL INFORMATION:

Formation: J  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 23:22:17  
Time Test Ended: 03:35:17  
Interval: 4003.00 ft (KB) To 4035.00 ft (KB) (TVD)  
Total Depth: 4035.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Shane McBride  
Unit No: 55  
Reference Elevations: 2511.00 ft (KB)  
2506.00 ft (CF)  
KB to GR/CF: 5.00 ft

Serial #: 8368 Outside  
Press@RunDepth: 69.90 psig @ 4004.00 ft (KB)  
Start Date: 2012.06.09 End Date: 2012.06.10  
Start Time: 21:10:17 End Time: 03:11:17  
Capacity: 8000.00 psig  
Last Calib.: 2012.06.10  
Time On Btm: 2012.06.09 @ 23:21:47  
Time Off Btm: 2012.06.10 @ 01:22:32

TEST COMMENT: B.O.B. in 30 min.  
No return  
B.O.B. in 2 min.  
No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2018.96	114.96	Initial Hydro-static
1	23.37	114.21	Open To Flow (1)
31	60.28	117.55	Shut-In(1)
61	349.83	118.09	End Shut-In(1)
61	44.51	118.18	Open To Flow (2)
90	69.90	118.96	Shut-In(2)
121	240.15	119.68	End Shut-In(2)
121	1959.90	120.74	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
127.00	s g o c m 5g 15o 85m	0.67
0.00	535' gas in pipe	0.00

\* Recovery from multiple tests

### Gas Rates

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

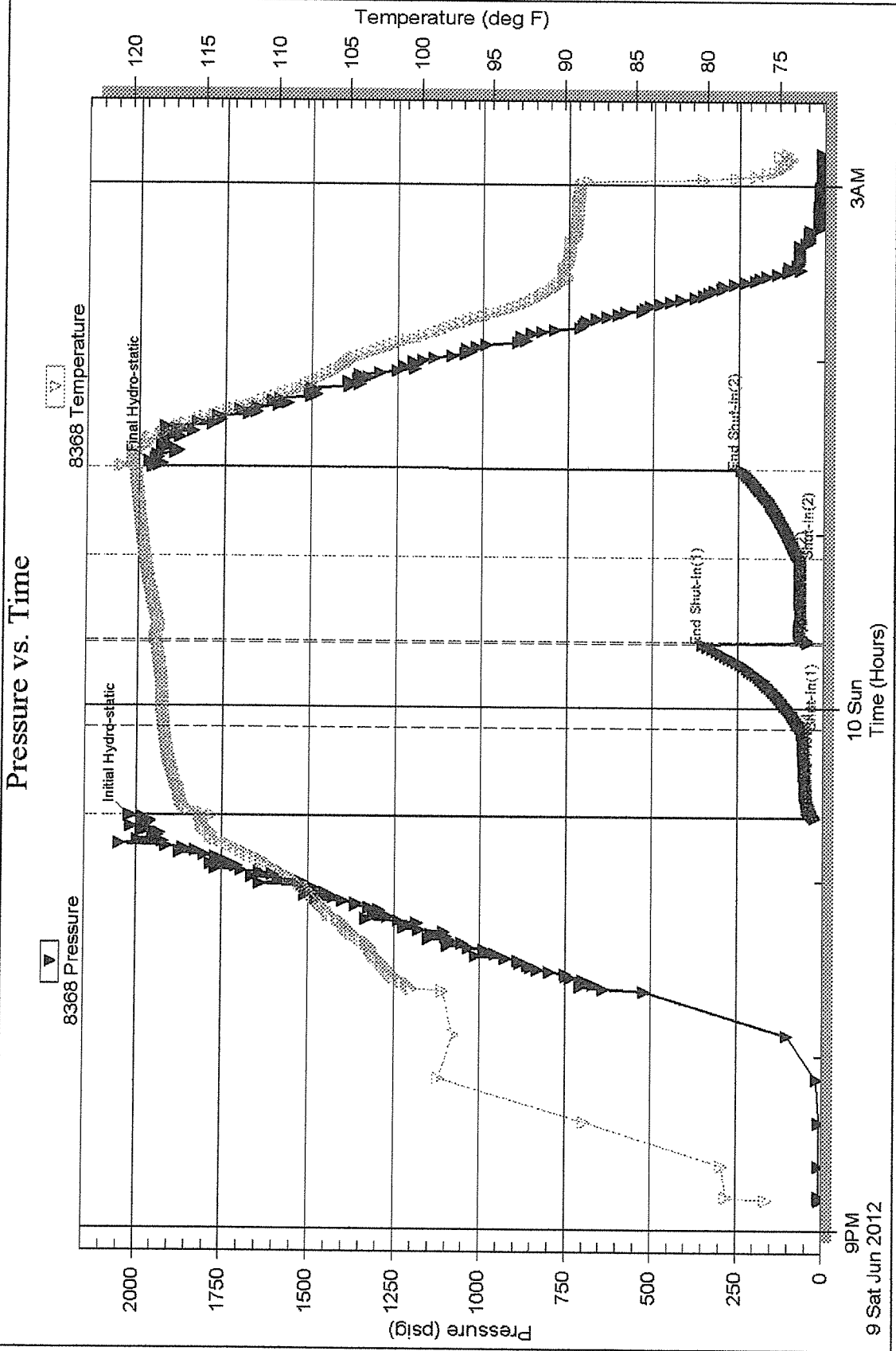
Serial #: 8368

Outside Palomino Petroleum Inc

Fay #1

DST Test Number: 2

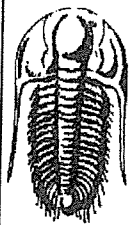
### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 46277

Printed: 2012.06.10 @ 03:22:53



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc

10-16s-27w Lane, Ks

4924 SE 84th St  
Newton, Ks  
67114

Fay #1

Job Ticket: 48278

DST#: 3

ATTN: Phil Asky

Test Start: 2012.06.10 @ 11:51:11

## GENERAL INFORMATION:

Formation: K-L

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 13:44:11

Time Test Ended: 17:10:26

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Interval: 4034.00 ft (KB) To 4097.00 ft (KB) (TVD)

Total Depth: 4097.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2511.00 ft (KB)

2506.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8368

Outside

Press@RunDepth: 95.26 psig @ 4035.00 ft (KB)

Start Date: 2012.06.10

End Date:

2012.06.10

Start Time: 11:51:11

End Time:

16:55:26

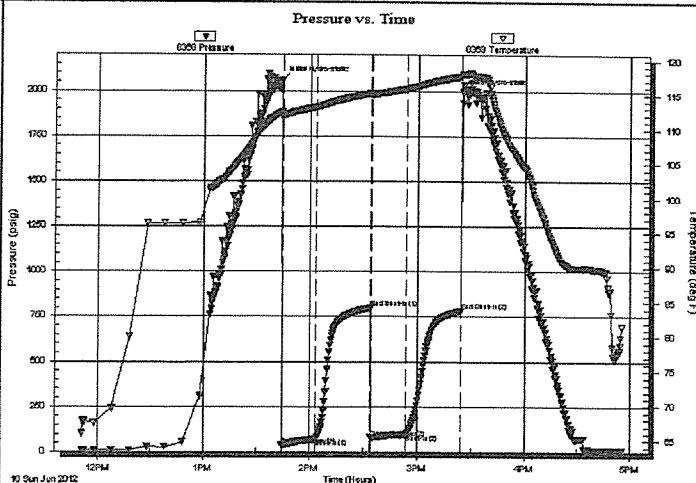
Capacity: 8000.00 psig

Last Calib.: 2012.06.10

Time On Btm: 2012.06.10 @ 13:43:56

Time Off Btm: 2012.06.10 @ 15:24:41

TEST COMMENT: 1/4" in blow died back to a surface blow 1/8" in  
No return  
Surface blow 1/8" in blew throughout  
No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2060.21	112.45	Initial Hydro-static
1	35.44	111.63	Open To Flow (1)
20	70.76	113.20	Shut-In(1)
50	796.45	115.17	End Shut-In(1)
51	79.07	114.93	Open To Flow (2)
70	95.26	115.82	Shut-In(2)
101	781.04	117.66	End Shut-In(2)
101	1995.23	118.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	mud 100% m w /oil spots	0.59
0.00	show of free oil on top 1" in	0.00

\* Recovery from multiple tests

## Gas Rates

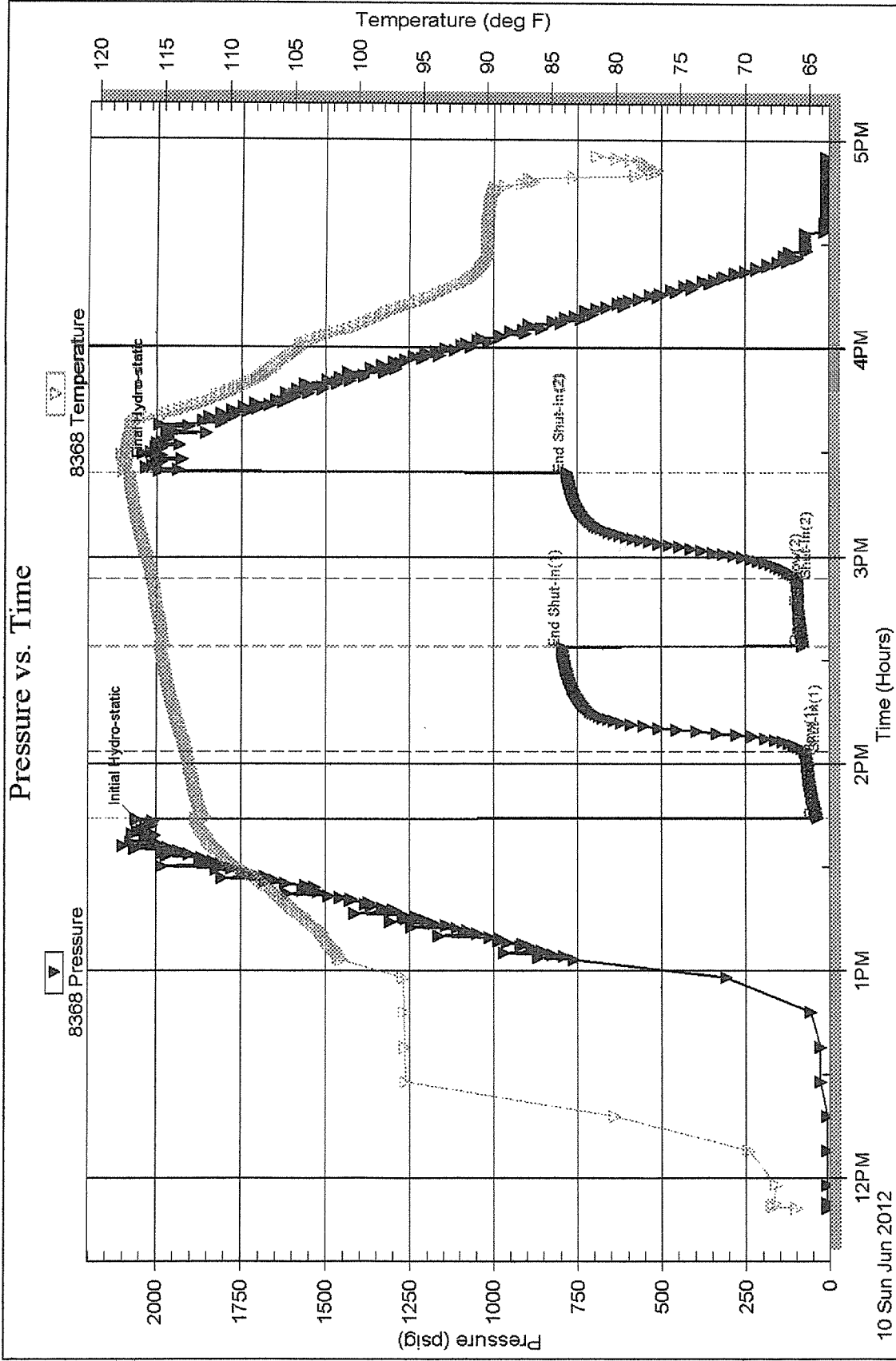
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8368

Outside Palomino Petroleum Inc

Fay #1

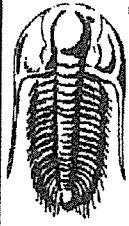
DST Test Number: 3



Triblote Testing, Inc

Ref. No: 48278

Printed: 2012.06.10 @ 17:04:41



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc

10-16s-27w Lane, Ks

4924 SE 84th St  
New ton, Ks  
67114

Fay #1

Job Ticket: 48279

DST#: 4

ATTN: Phil Asky

Test Start: 2012.06.11 @ 20:28:00

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: **No Whipstock: 0.00 ft (KB)**

Time Tool Opened: **22:24:00**

Time Test Ended: **03:15:00**

Test Type: **Conventional Bottom Hole (Reset)**

Tester: **Shane McBride**

Unit No: **55**

Interval: **4318.00 ft (KB) To 4407.00 ft (KB) (TVD)**

Total Depth: **4407.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2511.00 ft (KB)**

**2506.00 ft (CF)**

KB to GR/CF: **5.00 ft**

## Serial #: 8368

Press@RunDepth: **121.80 psig @** **ft (KB)**

Start Date: **2012.06.11**

End Date: **2012.06.12**

Start Time: **20:28:00**

End Time: **02:52:30**

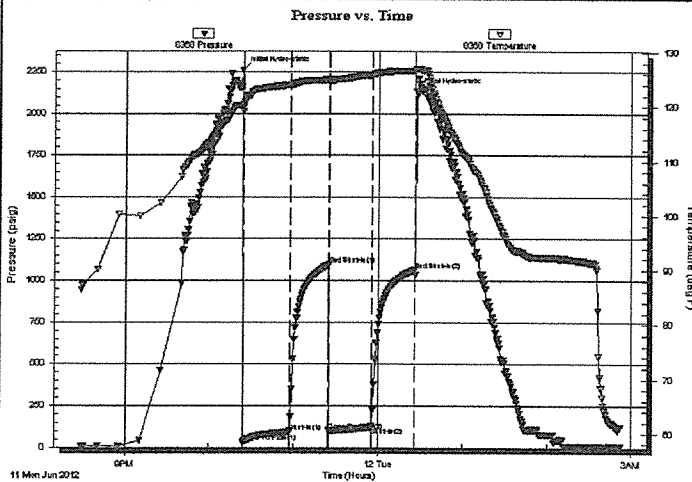
Capacity: **8000.00 psig**

Last Calib.: **2012.06.12**

Time On Btm: **2012.06.11 @ 22:23:30**

Time Off Btm: **2012.06.12 @ 00:26:30**

TEST COMMENT: IF: 5 1/2" Blow  
IS: Weak Return  
FF: 5" Blow  
FS: Weak Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.77	120.31	Initial Hydro-static
1	30.38	119.20	Open To Flow (1)
34	93.96	123.98	Shut-In(1)
61	1093.42	124.92	End Shut-In(1)
62	99.29	124.61	Open To Flow (2)
92	121.80	125.85	Shut-In(2)
122	1065.04	126.59	End Shut-In(2)
123	2132.73	126.87	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	SGOCM 5g 25o 70m	1.41
45.00	CGO 5g 95o	0.63
0.00	75' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

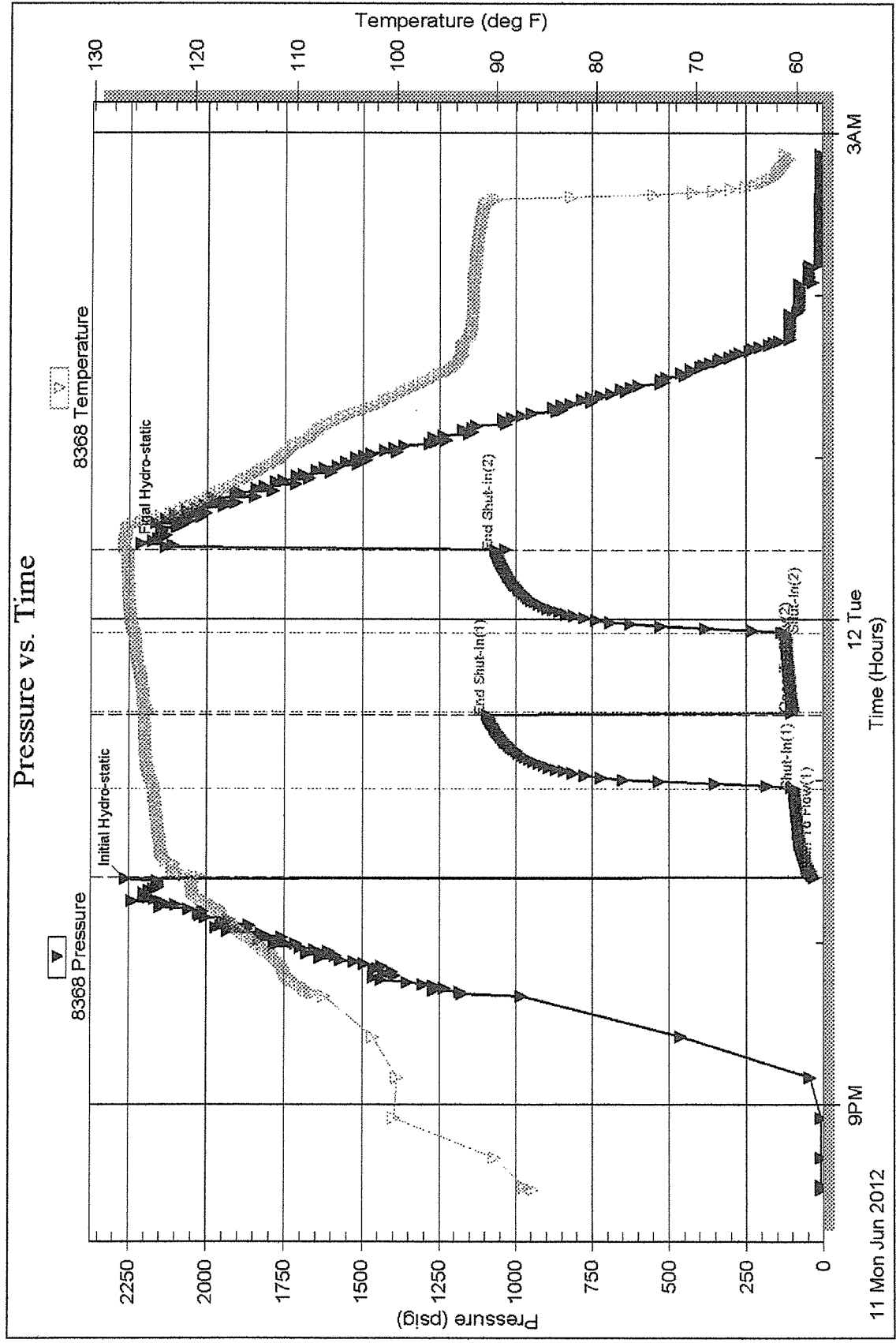
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8368

Palomino Petroleum Inc

Fay #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 48279

Printed: 2012.06.12 @ 03:14:28