



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

RECEIVED  
 JUL 10 2015

MAIN OFFICE

P.O.Box 884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 804856

Invoice Date: 07/07/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.  
 4924 SE 84TH STREET  
 NEWTON KS 67114-8827  
 USA

SITTING BULL UNIT #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
CC5800A	Class A Cement Sack	150.000	20.0000	40.000	1,800.00
CC5325	Calcium Chloride	450.000	1.0000	40.000	270.00
CC5965	Bentonite	300.000	0.3000	40.000	54.00
CC6075	Celloflake	75.000	2.0000	40.000	90.00

Subtotal 6,064.50  
 Discounted Amount 2,425.80  
 SubTotal After Discount 3,638.70

Amount Due 6,359.70 If paid after 08/06/15

Tax: 177.12  
 Total: 3,815.82



**CONSOLIDATED**  
Oil Well Services, LLC

JM 3429  
FT 3349

TICKET NUMBER 46105  
LOCATION El Dorado  
FOREMAN Fuzzy

PO Box 894, Chanute, KS 66720  
620-431-9210 or 800-467-8676

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

Invoice # 84856 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
7-6-15	6285	Sitting Bull Unit #1	8	22S	4E	MANION												
CUSTOMER Palomino Det			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>603</td> <td>TRACOV</td> <td></td> <td></td> </tr> <tr> <td>713</td> <td>TERRY</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	603	TRACOV			713	TERRY		
TRUCK #	DRIVER	TRUCK #					DRIVER											
603	TRACOV																	
713	TERRY																	
MAILING ADDRESS 4924 SE 84th																		
CITY Newton	STATE KS	ZIP CODE 67114																

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 220 CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 219' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15.2 SLURRY VOL 35.7 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 12.6 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on southwind #8. Picked material  
circulate mix 150SKS CLASS 'A' 300cc, 200cc w/ 1/2#  
poly slake per sk. Displace 12" BBL and shut in.  
cement did circulate in cell.

THANKS Fuzzy  
H. 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	7.6 ton	Minimum cement delivery	660.00	660.00
CC5800	150 SK	CLASS A	20.00	3000.00
CC5325	450 #	Calcium chloride	1.00	450.00
CC5965	300 #	Gel	0.30	90.00
CC6075	75 #	Poly slake	2.00	150.00
Subtotal				6064.50
40% discount				2425.80
				3638.70
8%			SALES TAX	177.12
			ESTIMATED TOTAL	3815.82

Ravin 3737

AUTHORIZATION

*Paul Rouse*

TITLE

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.



**CONSOLIDATED**  
Oil Well Services, LLC

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

RECEIVED

JUL 16 2015

MAIN OFFICE

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

Invoice Invoice# 804931

Invoice Date: 07/13/15 Terms: Net 30 Page 1

PALOMINO PETROLEUM, INC.

4924 SE 84TH STREET  
NEWTON KS 67114-8827  
USA

#1 SITTING BULL UNIT

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0451	Cement Pump Charge 1501' - 3000'	1.000	1,900.0000	40.000	1,140.00
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
CC5829	Lite-Weight Blend V (60:40:4)	125.000	16.0000	40.000	1,200.00
CC6075	Celloflake	50.000	2.0000	40.000	60.00
CP8228	8 5/8" Wooden Plug	1.000	165.0000	40.000	99.00
Subtotal					5,039.50
Discounted Amount					2,015.80
SubTotal After Discount					3,023.70

Amount Due 5,220.70 If paid after 08/12/15

Tax: 108.73  
Total: 3,132.43



**CONSOLIDATED**  
Oil Well Services, LLC

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

JM 3494  
FT 3413  
**INVOICE #84931**  
**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

TICKET NUMBER 46137  
LOCATION GL Dorado  
FOREMAN Fuzz

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-12-15	6285	#1 Siting, Bull Unit	8	22S	4E	Marion
CUSTOMER Palomino Petroleum			TRUCK #		DRIVER	
MAILING ADDRESS 4924 SE 84th			760		Chris	
CITY Newton			713		Terry	
STATE KS			670			
ZIP CODE 67114						

JOB TYPE PTA HOLE SIZE \_\_\_\_\_ HOLE DEPTH 2763' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE 4 1/2 TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on Southwind #8. Rig up and plug as ordered

35 sks @ 2650' 125 sks 60/40 40 gal  
35 sks @ 269' 1/4" poly flake  
25 sks @ 60' w/ plug  
30 sks RH

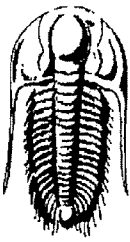
Thanks Fuzz & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0451	1	PUMP CHARGE	1900 <sup>00</sup>	1900 <sup>00</sup>
CE0007	30	MILEAGE	715	21450
CE0711	5.4 ton	minimum cement delivery	660 <sup>00</sup>	660 <sup>00</sup>
5810 CC5829	125 sks	60/40 40 gal	16 <sup>00</sup>	2000 <sup>00</sup>
CC6075	50*	Poly flake	2 <sup>00</sup>	100 <sup>00</sup>
CP8228	1	8 9/8 plug	165 <sup>00</sup>	165 <sup>00</sup>
		subtotal		5039 <sup>50</sup>
		40% discount		2015 <sup>80</sup>
		subtotal		3023 <sup>70</sup>
		8%	SALES TAX	108.73
			ESTIMATED TOTAL	3132.43

Revin 3737

AUTHORIZATION William Jordan TITLE \_\_\_\_\_ 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.



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59784

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2015.07.09 @ 14:02:32

## GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:09:02

Time Test Ended: 18:28:17

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 80

Interval: **2156.00 ft (KB) To 2182.00 ft (KB) (TVD)**

Reference Elevations: 1409.00 ft (KB)

Total Depth: 2182.00 ft (KB) (TVD)

1400.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**

Press@RunDepth: 14.95 psig @ 2157.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.09

End Date:

2015.07.09

Last Calib.: 2015.07.09

Start Time: 14:02:37

End Time:

18:28:16

Time On Btm: 2015.07.09 @ 15:07:32

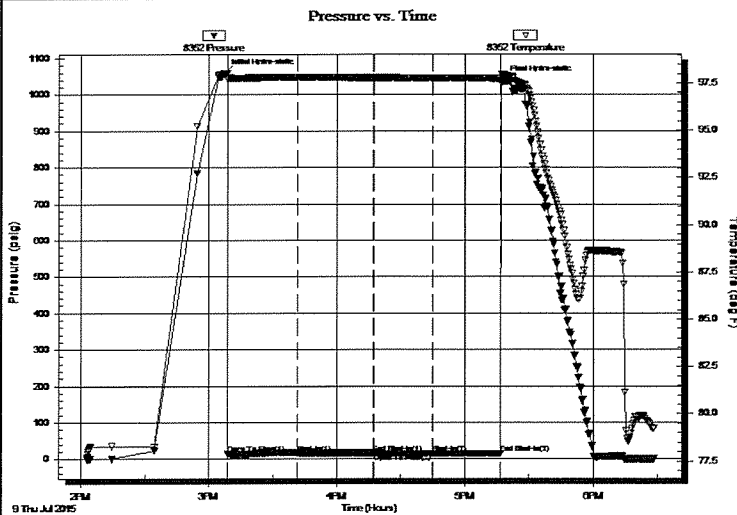
Time Off Btm: 2015.07.09 @ 17:18:02

TEST COMMENT: IF:Weak blow . (surface) Dead in 12 mins.

IS:No blow .

FF:No blow .

FS:No blow .



## PRESSURE SUMMARY

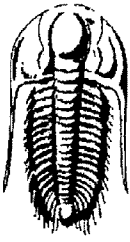
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1059.04	98.00	Initial Hydro-static
2	13.70	97.70	Open To Flow (1)
35	15.37	97.81	Shut-In(1)
70	15.50	97.79	End Shut-In(1)
70	15.49	97.79	Open To Flow (2)
98	14.95	97.77	Shut-In(2)
130	14.38	97.74	End Shut-In(2)
131	1038.36	97.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig.mud/Clean oil @ top of tool	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum Inc.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59784

**DST#: 1**

ATTN: Pat Deenihan

Test Start: 2015.07.09 @ 14:02:32

## 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:

1100 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 0.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Drig.mud/Clean oil @ top of tool	0.014

Total Length: 1.00 ft

Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8352

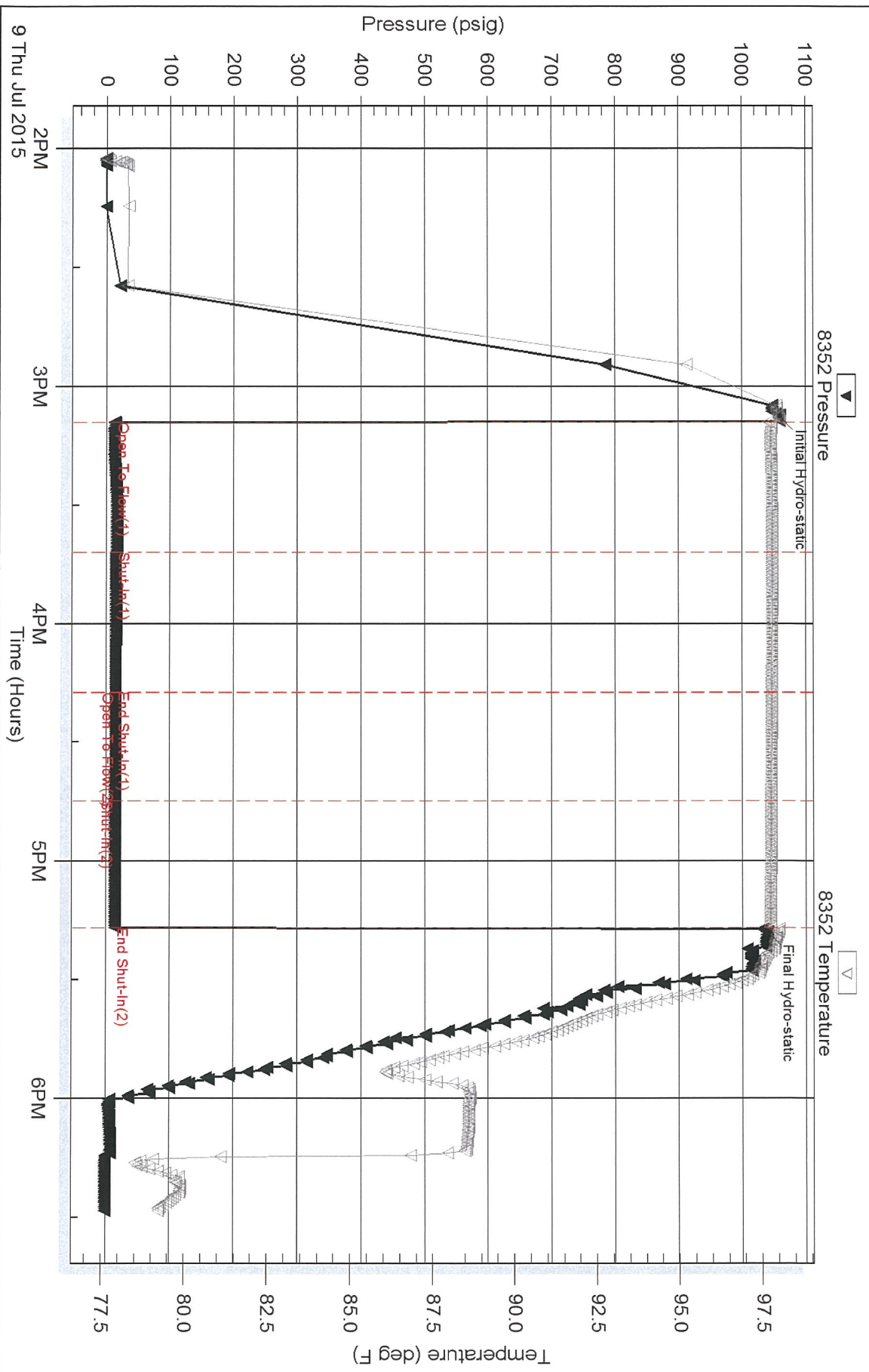
Outside

Palomino Petroleum Inc.

Sitting Bull Unit#1

DST Test Number: 1

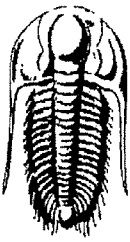
### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59784

Printed: 2015.07.09 @ 23:19:25



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59785

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2015.07.10 @ 06:10:04

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:24:04

Time Test Ended: 10:36:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: **2302.00 ft (KB) To 2338.00 ft (KB) (TVD)**

Reference Elevations: 1409.00 ft (KB)

Total Depth: 2332.00 ft (KB) (TVD)

1400.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8370**

**Inside**

Press@RunDepth: 14.34 psig @ 2303.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.10 End Date: 2015.07.10

Last Calib.: 2015.07.10

Start Time: 06:10:09 End Time: 10:36:18

Time On Btm: 2015.07.10 @ 07:23:34

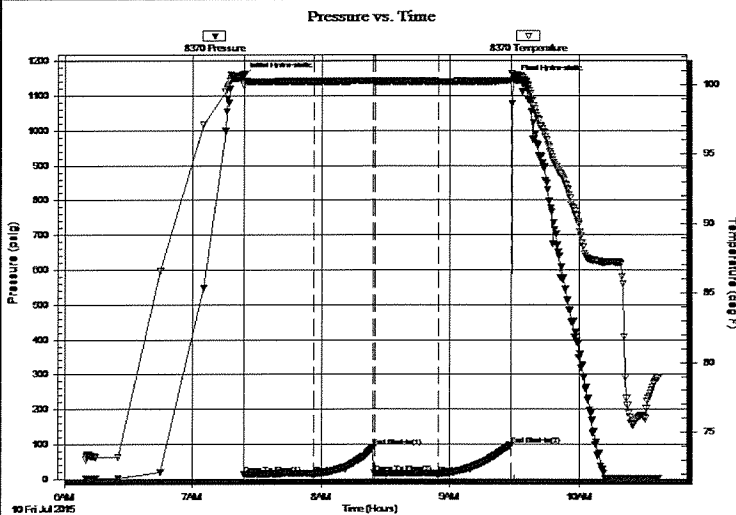
Time Off Btm: 2015.07.10 @ 09:29:49

TEST COMMENT: IF:Very weak blow . Ded in 14 mins.

ISI:No blow .

FF:No blow .

FSI:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1154.30	100.72	Initial Hydro-static
1	14.03	99.90	Open To Flow (1)
33	14.47	100.22	Shut-In(1)
61	90.32	100.27	End Shut-In(1)
62	15.70	100.22	Open To Flow (2)
91	14.34	100.21	Shut-In(2)
125	97.91	100.25	End Shut-In(2)
127	1145.10	100.61	Final Hydro-static

## Recovery

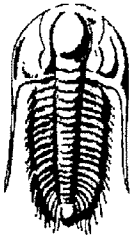
Length (ft)	Description	Volume (bbl)
1.00	Mud w/ o specs	0.01

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Palomino Petroleum Inc.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59785

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2015.07.10 @ 06:10:04

**GENERAL INFORMATION:**

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:24:04

Time Test Ended: 10:36:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

Interval: **2302.00 ft (KB) To 2338.00 ft (KB) (TVD)**

Total Depth: 2332.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1409.00 ft (KB)

1400.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**

Press@RunDepth: psig @ 2303.00 ft (KB)

Start Date: 2015.07.10

End Date: 2015.07.10

Start Time: 06:17:28

End Time: 10:37:22

Capacity: 8000.00 psig

Last Calib.: 2015.07.10

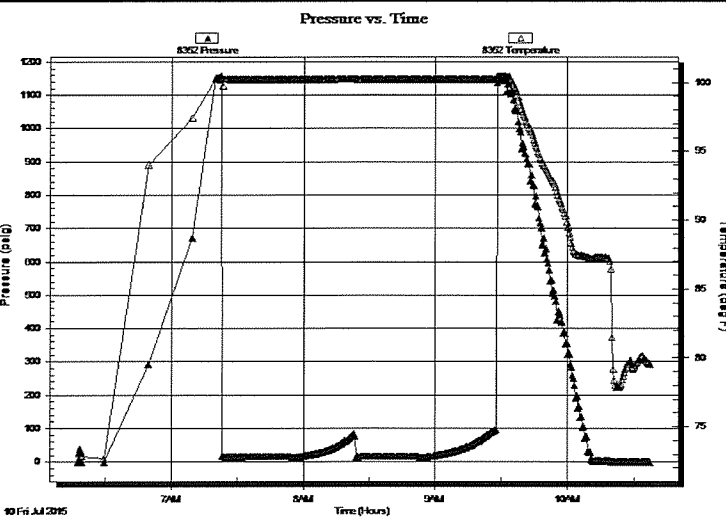
Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF:Very weak blow . Ded in 14 mins.  
IS:No blow .  
FF:No blow .  
FS:No blow .

**PRESSURE SUMMARY**

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



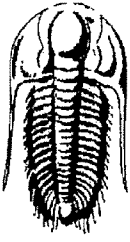
**Recovery**

Length (ft)	Description	Volume (bbl)
1.00	Mud w / o specs	0.01

\* 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.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59785

**DST#: 2**

ATTN: Pat Deenihan

Test Start: 2015.07.10 @ 06:10:04

## 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:

1100 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 0.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud w / o specs	0.014

Total Length: 1.00 ft

Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8370

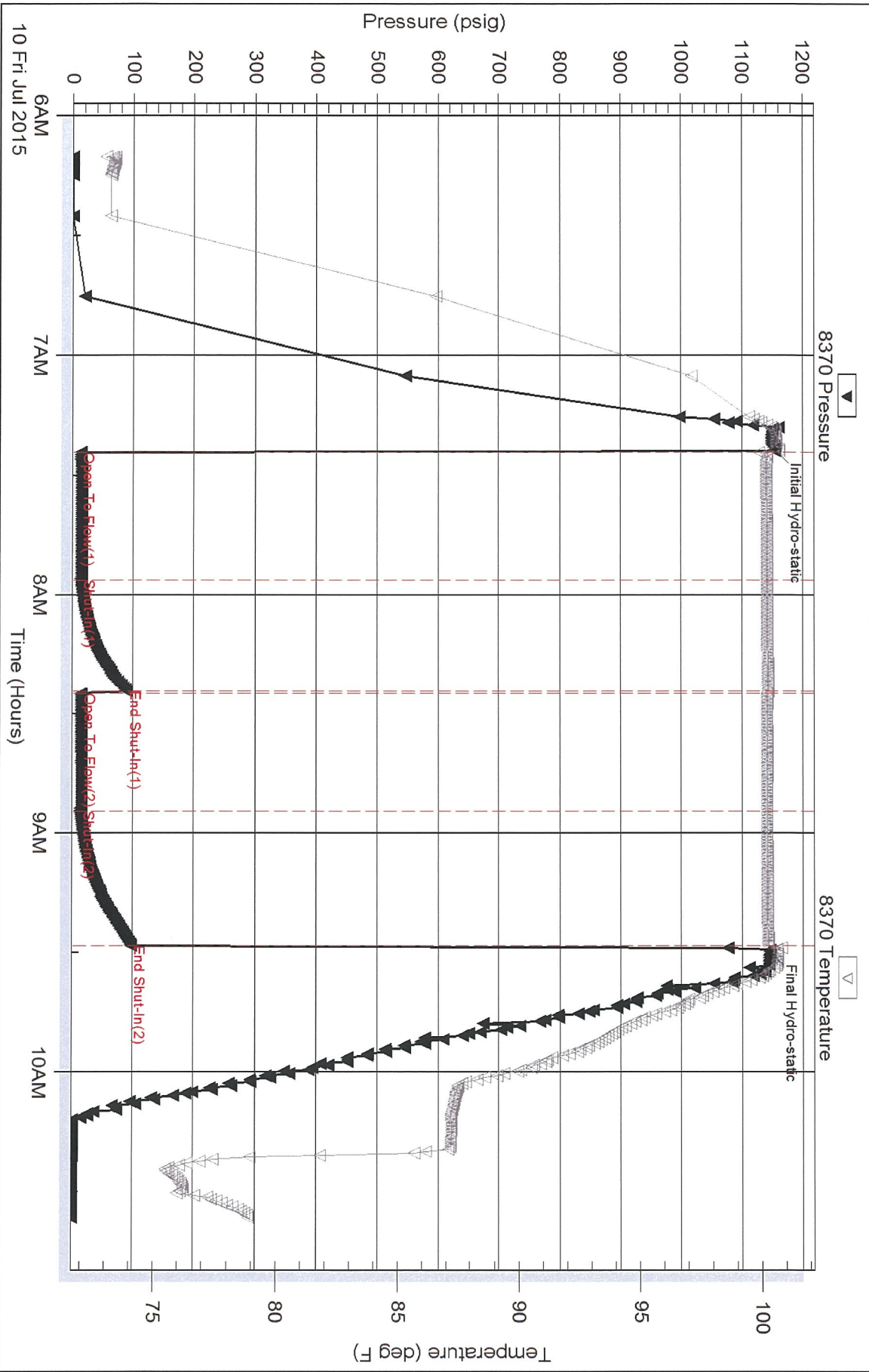
Inside

Palomino Petroleum Inc.

Sitting Bull Unit#1

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59785

Printed: 2015.07.10 @ 11:07:44

Serial #: 8352

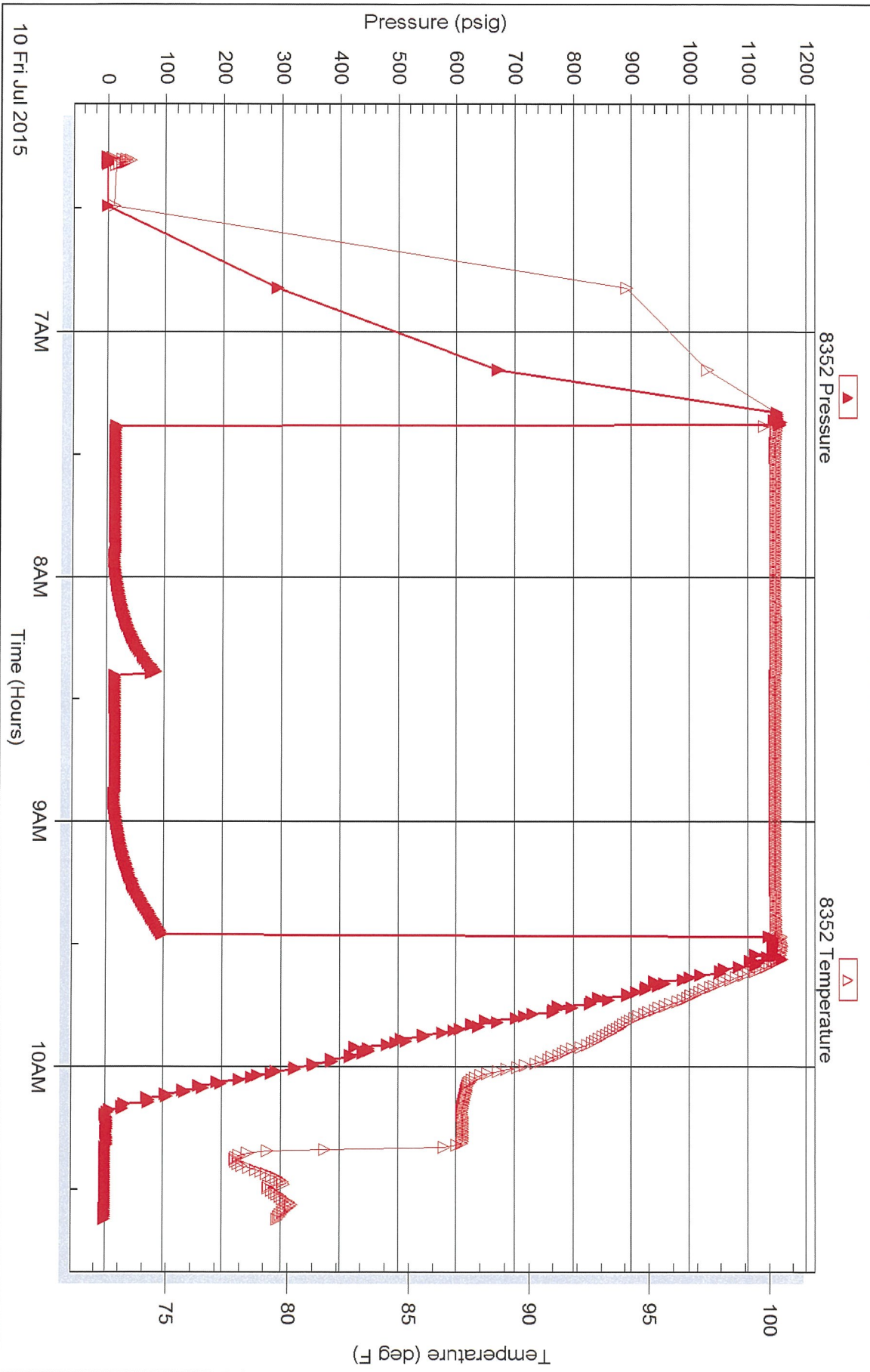
Outside

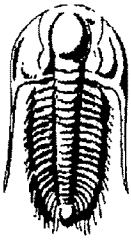
Palomino Petroleum Inc.

Sitting Bull Unit#1

DST Test Number: 2

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59786

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2015.07.10 @ 14:39:21

## GENERAL INFORMATION:

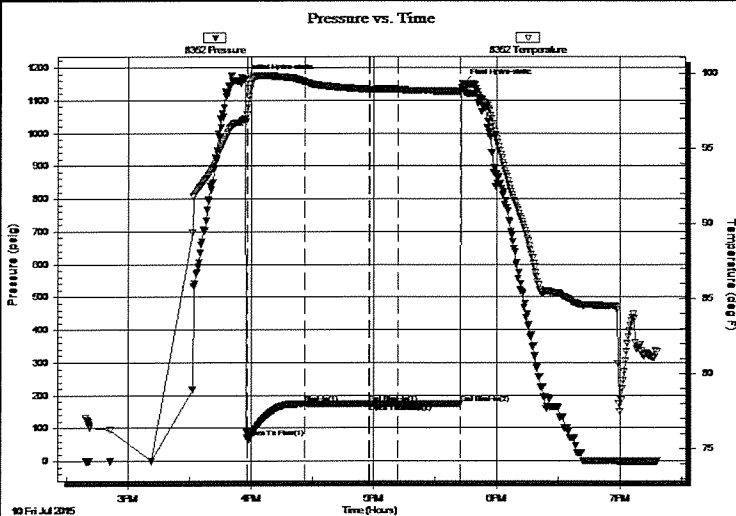
Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:57:51  
 Time Test Ended: 19:17:51  
 Interval: **2334.00 ft (KB) To 2352.00 ft (KB) (TVD)**  
 Total Depth: 2352.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Gary Pevoteaux  
 Unit No: 80  
 Reference Elevations: 1409.00 ft (KB)  
 1400.00 ft (CF)  
 KB to GR/CF: 9.00 ft

## Serial #: 8352

**Outside**

Press@RunDepth: 175.30 psig @ 2335.00 ft (KB)  
 Start Date: 2015.07.10 End Date: 2015.07.10  
 Start Time: 14:39:26 End Time: 19:17:50  
 Capacity: 8000.00 psig  
 Last Calib.: 2015.07.10  
 Time On Btm: 2015.07.10 @ 15:56:21  
 Time Off Btm: 2015.07.10 @ 17:43:51

TEST COMMENT: IF: Strong blow . B.O.B. in 105 secs.  
 IS: No blow .  
 FF: Weak blow . 1/2" decreasing..  
 FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1165.14	96.91	Initial Hydro-static
2	70.68	97.21	Open To Flow (1)
30	174.19	99.41	Shut-In(1)
62	175.15	98.92	End Shut-In(1)
62	175.16	98.92	Open To Flow (2)
76	175.30	98.91	Shut-In(2)
106	175.52	98.81	End Shut-In(2)
108	1150.20	98.80	Final Hydro-static

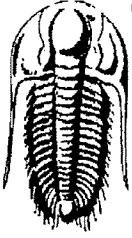
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	140 ft.of GIP	0.00
40.00	MW w / trace of oil 19% m 81% w	0.56
325.00	SW / Rw .11ohms@80deg	4.56

\* 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.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59786

**DST#: 3**

ATTN: Pat Deenihan

Test Start: 2015.07.10 @ 14:39:21

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APt:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

61000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 0.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	140 ft.of GIP	0.000
40.00	MW w / trace of oil 19% <sub>m</sub> 81% <sub>w</sub>	0.561
325.00	SW / Rw .11ohms@80deg	4.559

Total Length: 365.00 ft

Total Volume: 5.120 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8352

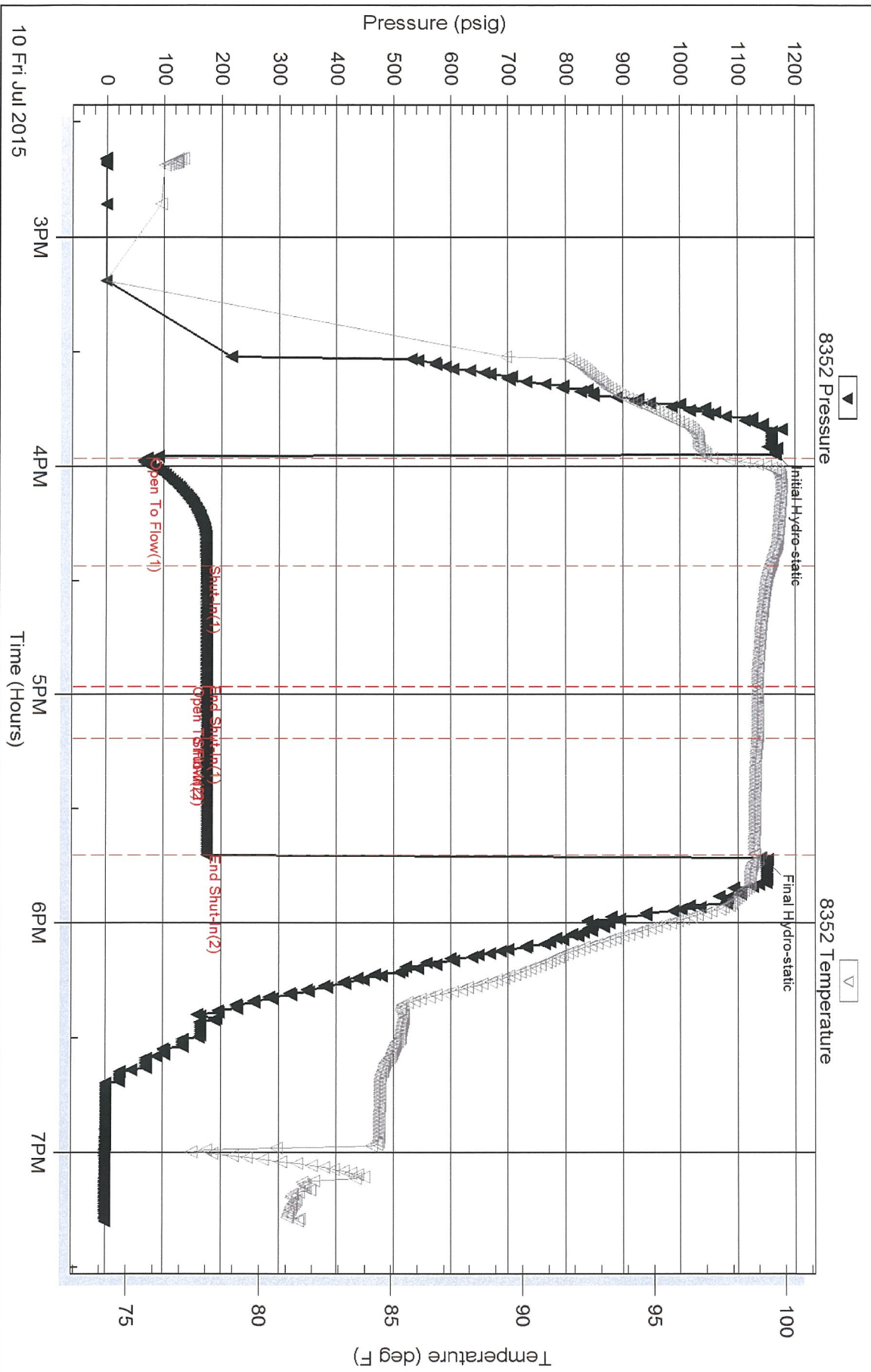
Outside

Palomino Petroleum Inc.

Sitting Bull Unit#1

DST Test Number: 3

### Pressure vs. Time





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Palomino Petroleum Inc.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59787

**DST#: 4**

ATTN: Pat Deenihan/Shaw n D

Test Start: 2015.07.11 @ 05:16:39

## GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:21:54

Time Test Ended: 10:10:54

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 80

**Interval: 2512.00 ft (KB) To 2518.00 ft (KB) (TVD)**

Total Depth: 2512.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1409.00 ft (KB)

1400.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8352 Outside**

Press@RunDepth: 591.56 psig @ 2513.00 ft (KB)

Start Date: 2015.07.11

End Date: 2015.07.11

Capacity: 8000.00 psig

Last Calib.: 2015.07.11

Start Time: 05:16:44

End Time: 10:10:53

Time On Btm: 2015.07.11 @ 06:20:24

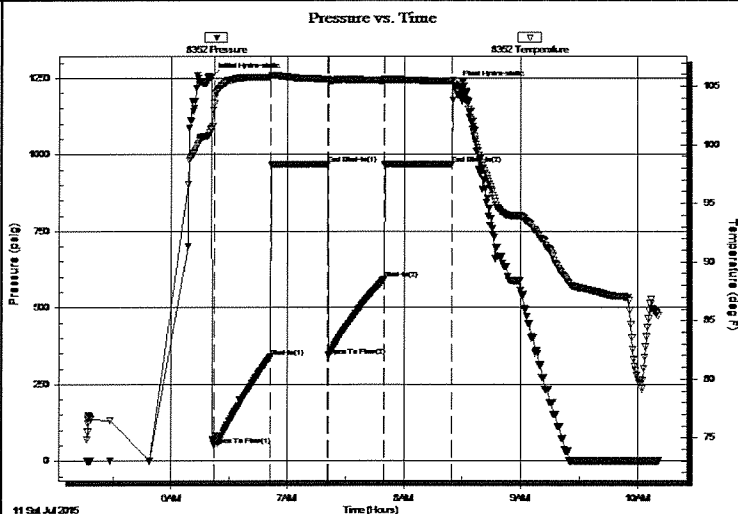
Time Off Btm: 2015.07.11 @ 08:26:24

TEST COMMENT: IF:Strong blow . B.O.B. in 2 mins. Comment: 4-5 ft. fill. Slid tool 2-3 ft.

IS!:No blow .

FF:Strong blow . B.O.B. in 2 mins.

FS!:No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1251.45	101.33	Initial Hydro-static
2	51.10	103.52	Open To Flow (1)
31	339.16	105.77	Shut-In(1)
61	969.36	105.62	End Shut-In(1)
61	342.38	105.41	Open To Flow (2)
90	591.56	105.47	Shut-In(2)
125	969.43	105.41	End Shut-In(2)
126	1226.64	104.73	Final Hydro-static

## Recovery

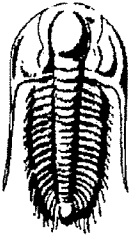
Length (ft)	Description	Volume (bbl)
125.00	MW 21% m 79% w	1.75
1275.00	SW / Rw .15ohms@85 deg	17.88

\* Recovery from multiple tests

## Gas Rates

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





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Job Ticket: 59787

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 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 06:21:54  
 Tester: Gary Pevoteaux  
 Time Test Ended: 10:10:54  
 Unit No: 80  
**Interval: 2512.00 ft (KB) To 2518.00 ft (KB) (TVD)**  
 Reference Elevations: 1409.00 ft (KB)  
 Total Depth: 2512.00 ft (KB) (TVD)  
 1400.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 KB to GR/CF: 9.00 ft

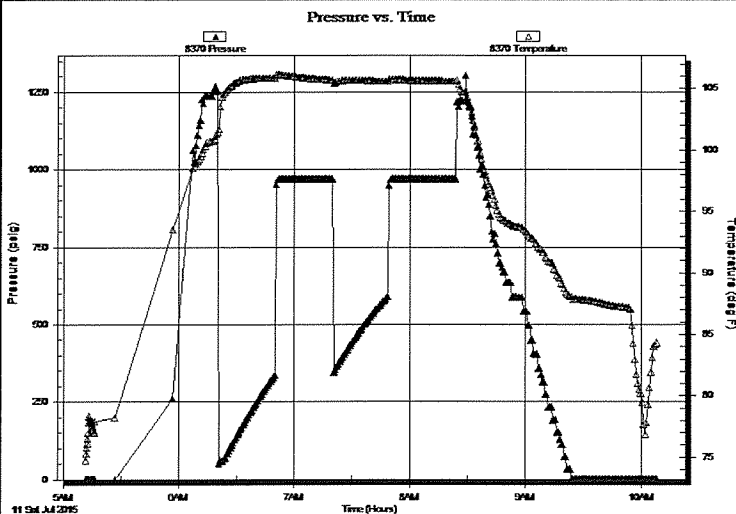
## Serial #: 8370

Inside

Press@RunDepth: psig @ 2513.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.07.11 End Date: 2015.07.11 Last Calib.: 2015.07.11  
 Start Time: 05:11:46 End Time: 10:08:10 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Strong blow . B.O.B. in 2 mins. Comment: 4-5 ft. fill. Slid tool 2-3 ft.  
 IS: No blow .  
 FF: Strong blow . B.O.B. in 2 mins.  
 FS: No blow .

## PRESSURE SUMMARY



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

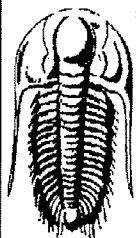
## Recovery

Length (ft)	Description	Volume (bbl)
125.00	MW 21% m 79% w	1.75
1275.00	SW / Rw .15ohms@85 deg	17.88

\* 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.

**8-22s-4e Marion Ks.**

4924 S.E. 84th St.  
New ton Ks. 67114

**Sitting Bull Unit#1**

Job Ticket: 59787

**DST#: 4**

ATTN: Pat Deenihan/Shaw n D

Test Start: 2015.07.11 @ 05:16:39

## 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:

39000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 0.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MW 21% m 79% w	1.753
1275.00	SW / Rw .15ohms@85 deg	17.885

Total Length: 1400.00 ft      Total Volume: 19.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8352

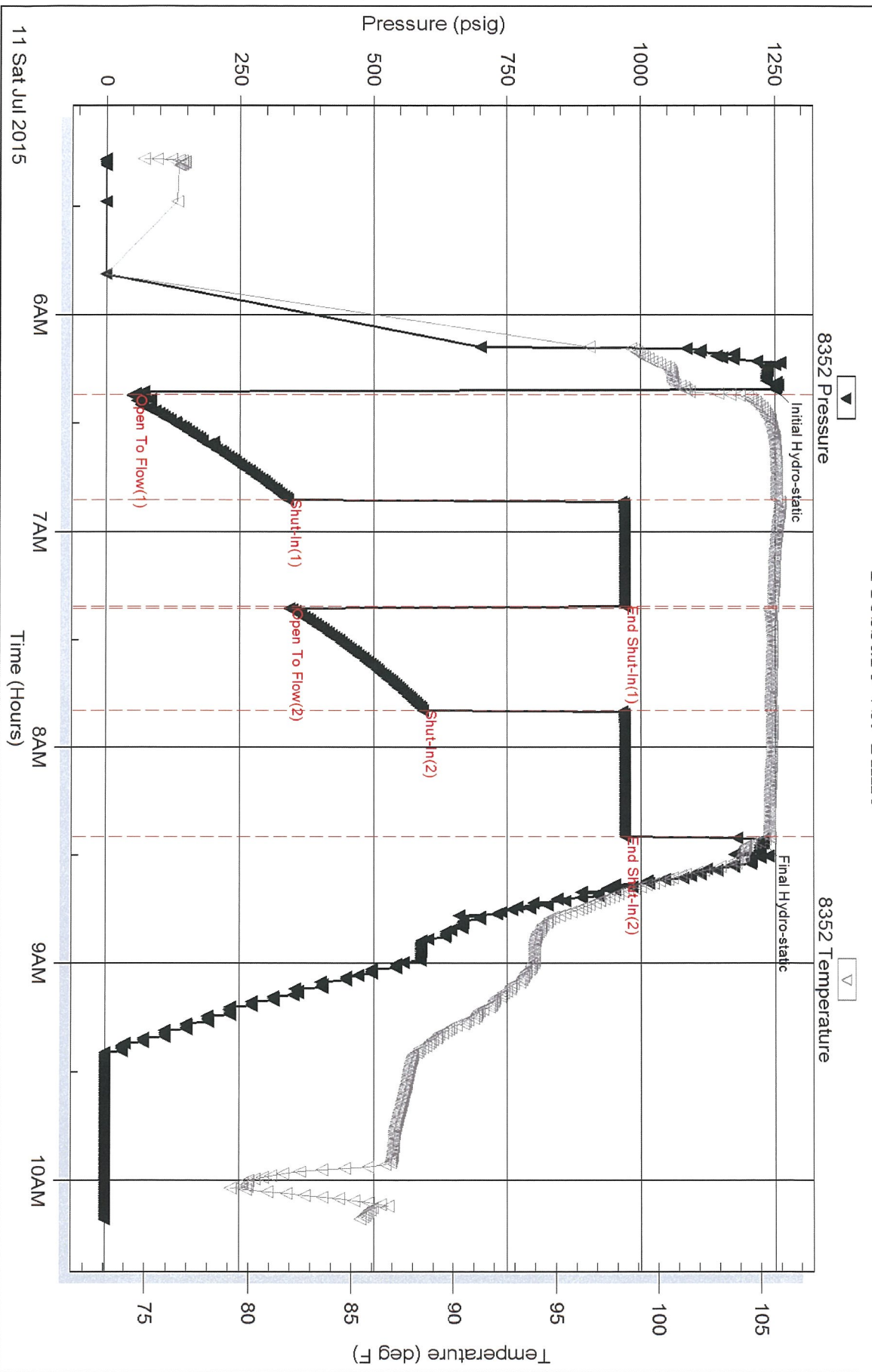
Outside

Palomino Petroleum Inc.

Sitting Bull Unit#1

DST Test Number: 4

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 59787

Printed: 2015.07.11 @ 10:32:10

