



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

11-7s-22w Graham,KS

White-Worcester Unit #1-1

Start Date: 2012.10.05 @ 20:53:00

End Date: 2012.10.06 @ 03:30:00

Job Ticket #: 48233 DST #: 1

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

Printed: 2012.10.10 @ 11:12:43

Baird Oil Company, LLC

White-Worcester Unit #1-1

11-7s-22w Graham,KS

DST # 1

LKC "C"

2012.10.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48233

DST#: 1

Test Start: 2012.10.05 @ 20:53:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:27:30

Time Test Ended: 03:30:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 3452.00 ft (KB) To 3474.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3474.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 126.12 psig @ 3453.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.05

End Date:

2012.10.06

Last Calib.:

2012.10.06

Start Time:

20:53:05

End Time:

03:29:59

Time On Btm:

2012.10.05 @ 22:27:00

Time Off Btm:

2012.10.06 @ 01:31:30

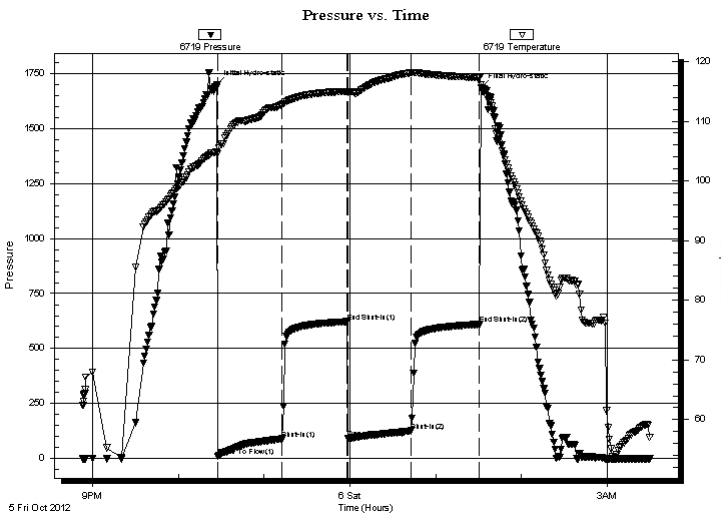
TEST COMMENT: 45 - IF: Blow built to BOB (11") in 42 min.

45 - IS: No blow back

45 - FF: Blow built to 8 1/4"

45 - FS: No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1697.09 | 104.92 | Initial Hydro-static |
| 1 | 11.40 | 104.49 | Open To Flow (1) |
| 46 | 90.14 | 112.76 | Shut-In(1) |
| 91 | 622.50 | 114.98 | End Shut-In(1) |
| 92 | 92.68 | 114.88 | Open To Flow (2) |
| 136 | 126.12 | 118.12 | Shut-In(2) |
| 183 | 609.93 | 117.35 | End Shut-In(2) |
| 185 | 1685.66 | 116.17 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 124.00 | SMCW w/trace oil 92%w, 8% m | 0.61 |
| 105.00 | SO/MCW 68%w, 30% m, 2% o | 1.47 |
| 5.00 | WCO 60% o, 35% w, 5% m | 0.07 |
| 0.00 | GIP = 20' | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48233

DST#: 1

Test Start: 2012.10.05 @ 20:53:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3330.00 ft | Diameter: 3.80 inches | Volume: 46.71 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 48000.00 lb |
| | | | <u>Total Volume: 47.32 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3452.00 ft | | | Final 47000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 22.00 ft | | | |
| Tool Length: | 42.00 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 | | | 3437.00 | |
| Hydraulic tool | 5.00 | | | 3442.00 | |
| Packer | 5.00 | | | 3447.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3452.00 | |
| Stubb | 1.00 | | | 3453.00 | |
| Recorder | 0.00 | 6719 | Inside | 3453.00 | |
| Recorder | 0.00 | 8320 | Outside | 3453.00 | |
| Perforations | 18.00 | | | 3471.00 | |
| Bullnose | 3.00 | | | 3474.00 | 22.00 Bottom Packers & Anchor |
| Total Tool Length: | 42.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48233 **DST#: 1**

ATTN: Richard Bell

Test Start: 2012.10.05 @ 20:53:00

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: | 92000 ppm |
| Viscosity: 58.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 5.94 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2000.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------|---------------|
| 124.00 | SMCW w/trace oil 92%w , 8%m | 0.610 |
| 105.00 | SO/MCW 68%w , 30%m, 2%o | 1.473 |
| 5.00 | WCO 60%o, 35%w , 5%m | 0.070 |
| 0.00 | GIP = 20' | 0.000 |

Total Length: 234.00 ft Total Volume: 2.153 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .150 ohms @ 40.3 deg F

Serial #: 6719

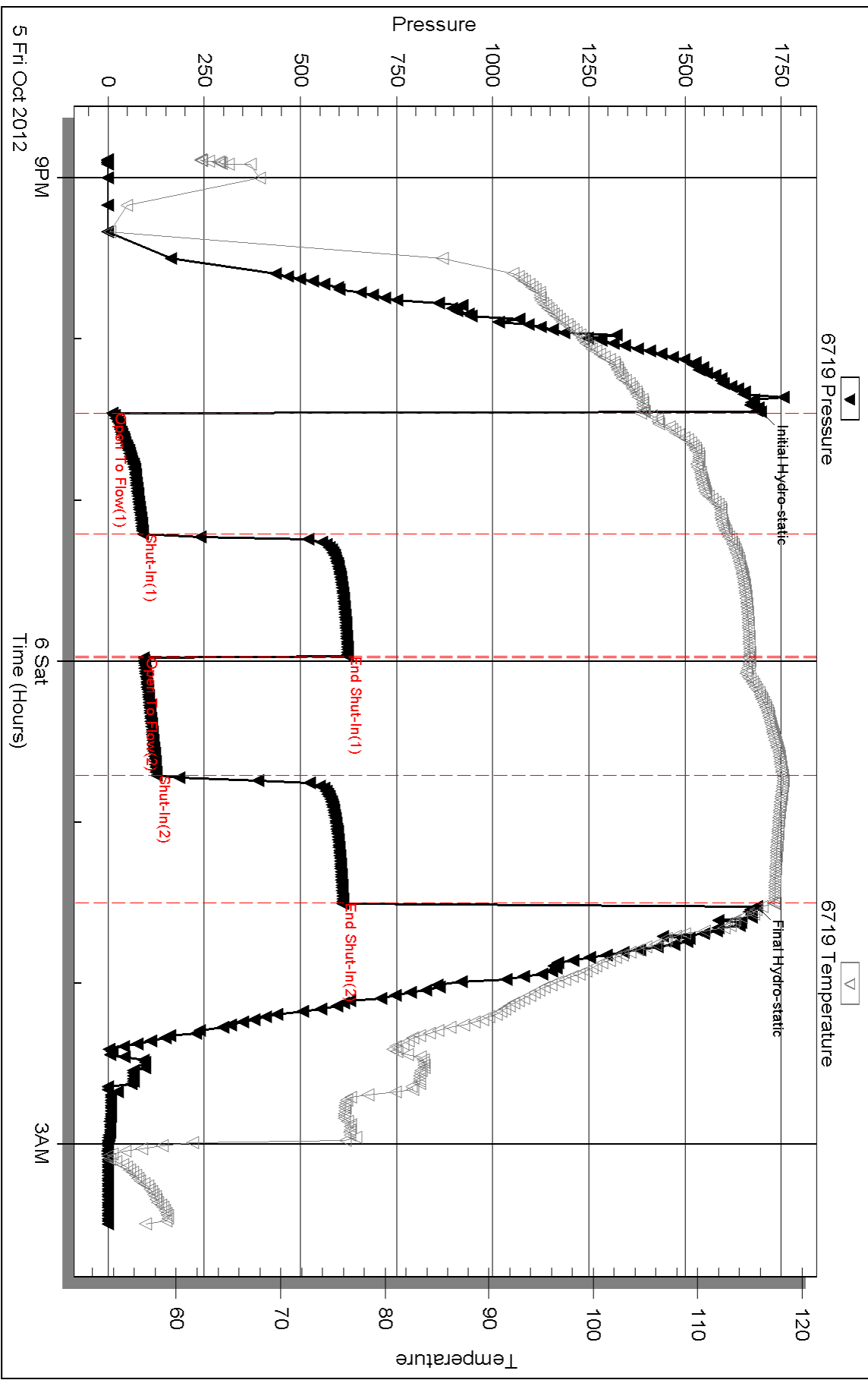
Inside

Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 48233

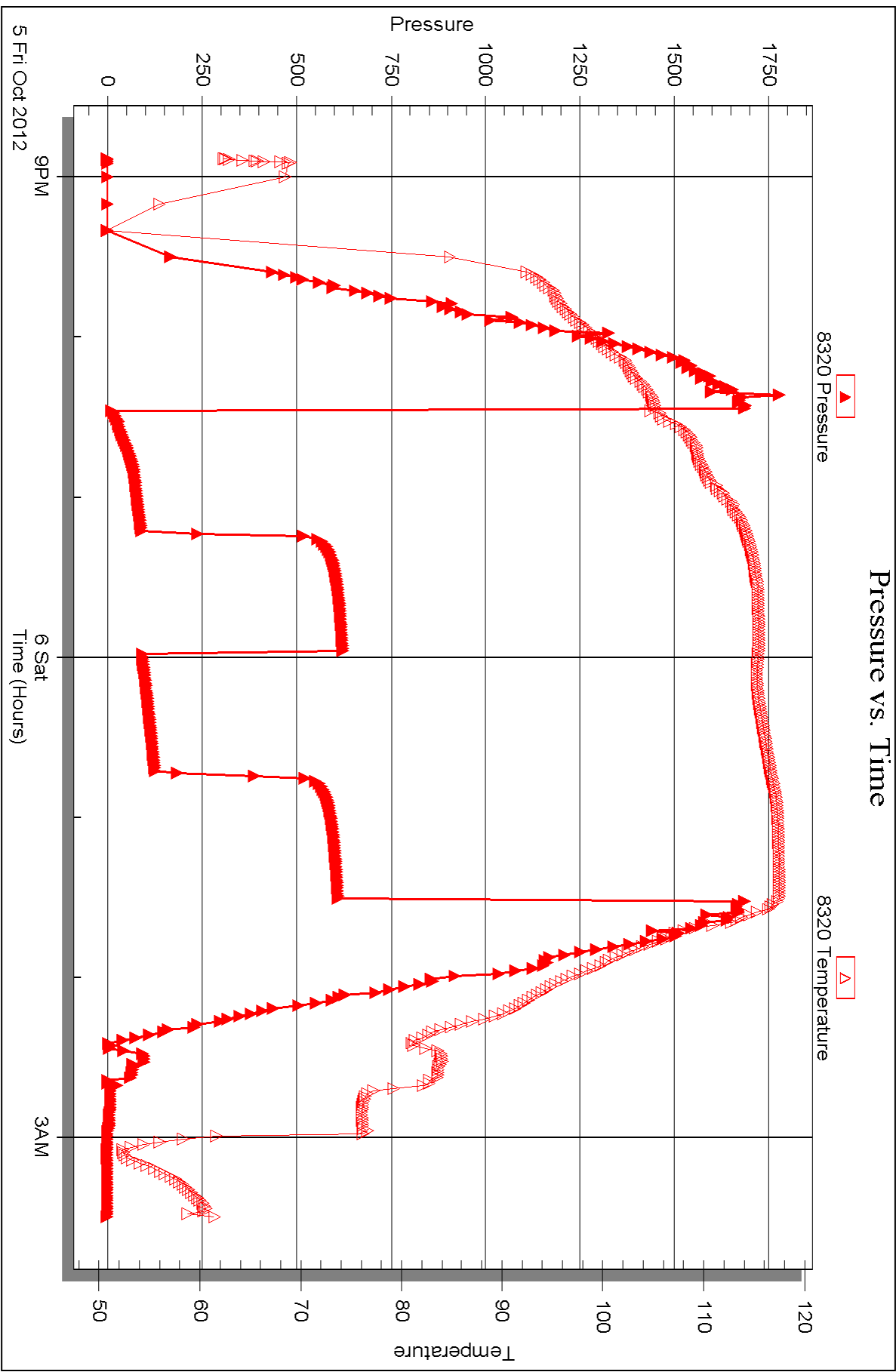
Printed: 2012.10.10 @ 11:12:47

Serial #: 8320

Outside Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

11-7s-22w Graham,KS

White-Worcester Unit #1-1

Start Date: 2012.10.06 @ 09:21:00

End Date: 2012.10.06 @ 15:50:00

Job Ticket #: 48234 DST #: 2

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

Printed: 2012.10.10 @ 11:11:51

Baird Oil Company, LLC

White-Worcester Unit #1-1

11-7s-22w Graham,KS

DST # 2

LKC "D"

2012.10.06



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48234

DST#: 2

Test Start: 2012.10.06 @ 09:21:00

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:00

Time Test Ended: 15:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 3473.00 ft (KB) To 3489.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3489.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 143.96 psig @ 3474.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.06

End Date:

2012.10.06

Last Calib.: 2012.10.06

Start Time: 09:21:05

End Time:

15:49:59

Time On Btm: 2012.10.06 @ 10:59:30

Time Off Btm: 2012.10.06 @ 14:03:30

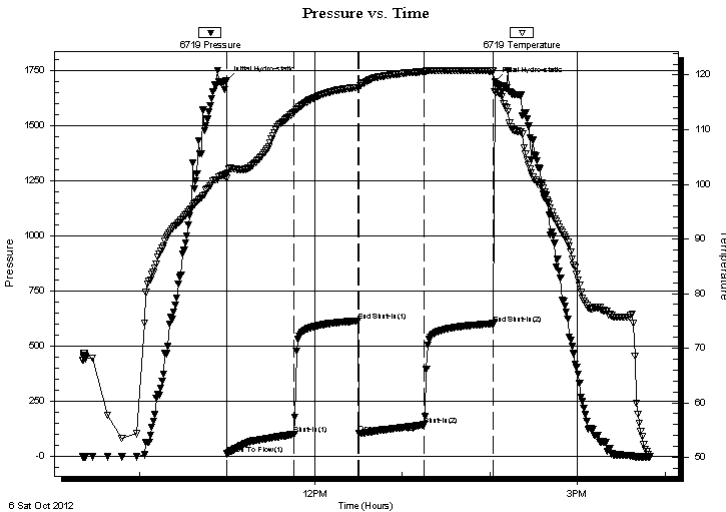
TEST COMMENT: 45 - IF: Blow built to BOB (11") in 34 1/2 min.

45 - IS: No blow back

45 - FF: Blow built to 10"

45 - FS: No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1701.84 | 101.82 | Initial Hydro-static |
| 1 | 12.70 | 101.12 | Open To Flow (1) |
| 47 | 101.17 | 113.18 | Shut-In(1) |
| 90 | 614.54 | 117.73 | End Shut-In(1) |
| 91 | 104.13 | 117.64 | Open To Flow (2) |
| 136 | 143.96 | 120.62 | Shut-In(2) |
| 183 | 602.18 | 120.73 | End Shut-In(2) |
| 184 | 1697.30 | 116.99 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 185.00 | MCW w/trace oil 90%w, 10%m | 1.47 |
| 85.00 | Water w/trace oil 96%w, 4%m | 1.19 |
| 10.00 | Oil 96%o, 3%m, 1%g | 0.14 |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48234

DST#: 2

Test Start: 2012.10.06 @ 09:21:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3363.00 ft | Diameter: 3.80 inches | Volume: 47.17 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 47.78 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 34.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3473.00 ft | | | Final 47000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 16.00 ft | | | |
| Tool Length: | 36.00 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 | | | 3458.00 | |
| Hydraulic tool | 5.00 | | | 3463.00 | |
| Packer | 5.00 | | | 3468.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3473.00 | |
| Stubb | 1.00 | | | 3474.00 | |
| Recorder | 0.00 | 6719 | Inside | 3474.00 | |
| Recorder | 0.00 | 8320 | Outside | 3474.00 | |
| Perforations | 12.00 | | | 3486.00 | |
| Bullnose | 3.00 | | | 3489.00 | 16.00 Bottom Packers & Anchor |
| Total Tool Length: | 36.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48234

DST#: 2

ATTN: Richard Bell

Test Start: 2012.10.06 @ 09:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

95000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------------|---------------|
| 185.00 | MCW w/trace oil 90%w , 10%m | 1.465 |
| 85.00 | Water w/trace oil 96%w , 4%m | 1.192 |
| 10.00 | Oil 96%o, 3%m, 1%g | 0.140 |

Total Length: 280.00 ft Total Volume: 2.797 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

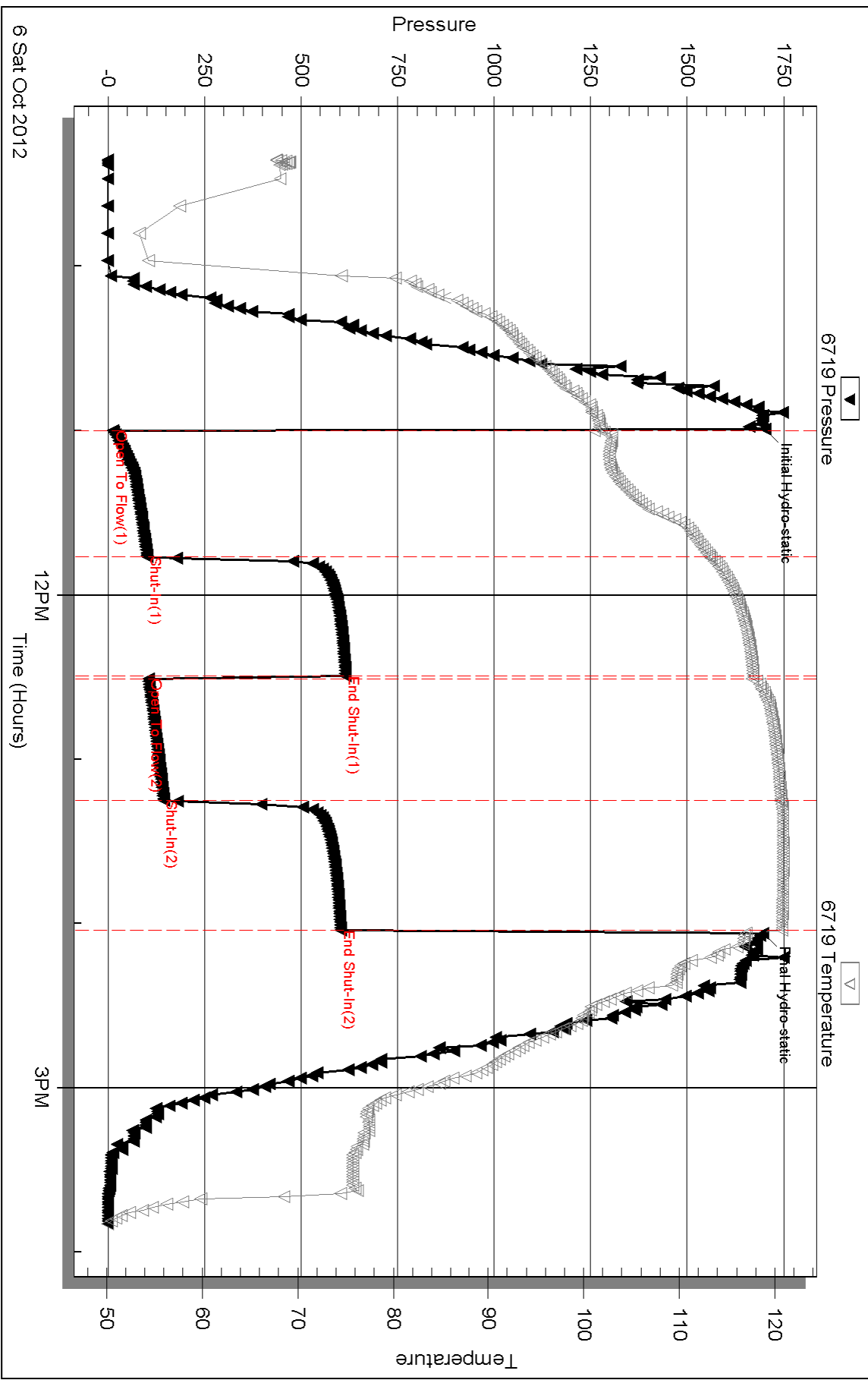
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 27.8 api @ 50 deg F Corrected Gravity = 28.8 api

RW = .129 ohms @ 45.1 deg F Chlorides = 95,000 ppm

Pressure vs. Time

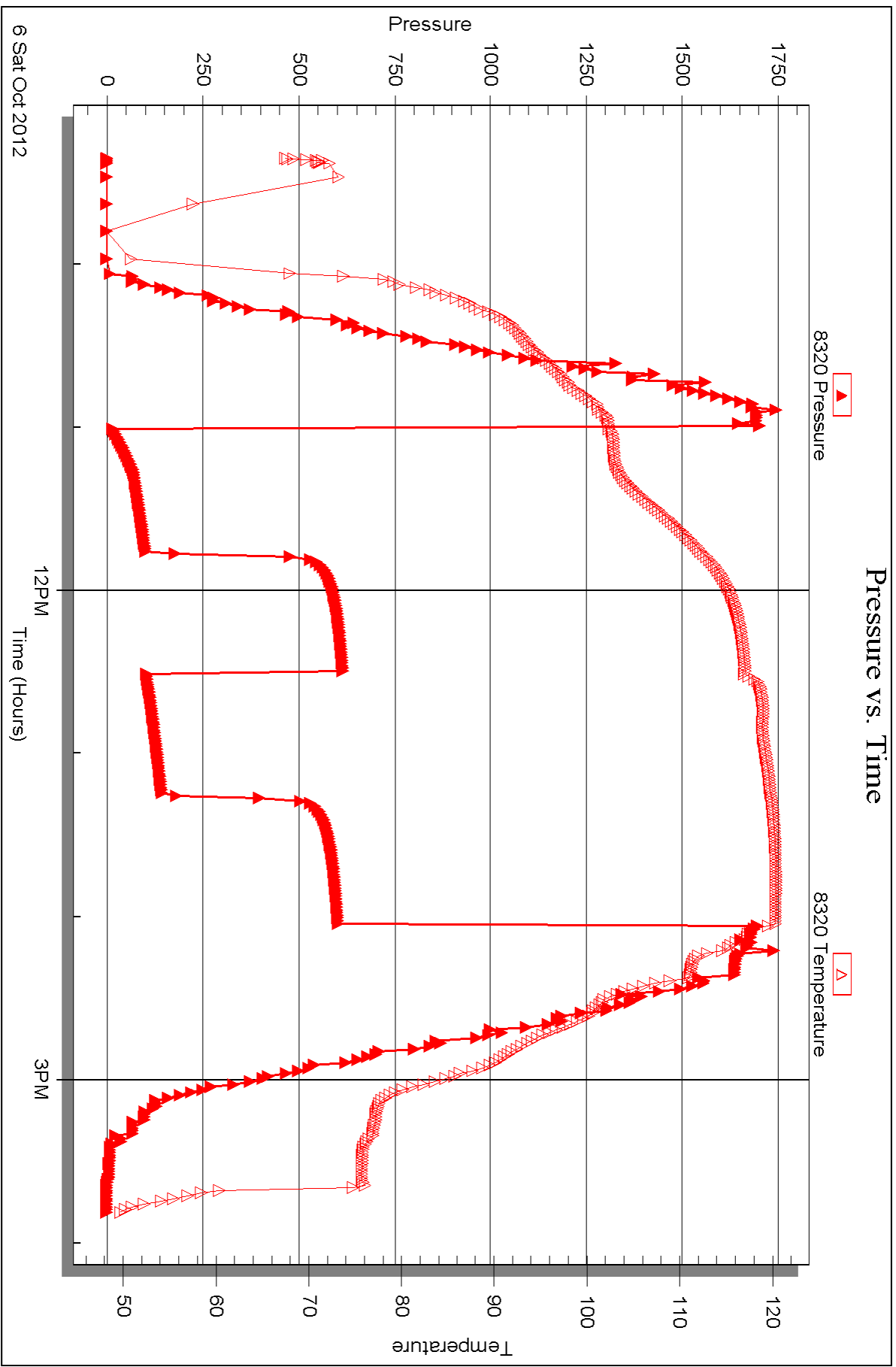


Serial #: 8320

Outside Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 48234

Printed: 2012.10.10 @ 11:11:57



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

11-7s-22w Graham,KS

White-Worcester Unit #1-1

Start Date: 2012.10.06 @ 21:27:00

End Date: 2012.10.07 @ 01:21:00

Job Ticket #: 48235 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.10 @ 11:10:56

Baird Oil Company, LLC

White-Worcester Unit #1-1

11-7s-22w Graham,KS

DST # 3

LKC " F "

2012.10.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48235 **DST#: 3**

ATTN: Richard Bell

Test Start: 2012.10.06 @ 21:27:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3361.00 ft | Diameter: 3.80 inches | Volume: 47.15 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 48000.00 lb |
| | | | <u>Total Volume: 47.76 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 18.00 ft | | | String Weight: Initial 48000.00 lb |
| Depth to Top Packer: | 3487.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 24.00 ft | | | |
| Tool Length: | 44.00 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 | | | 3472.00 | |
| Hydraulic tool | 5.00 | | | 3477.00 | |
| Packer | 5.00 | | | 3482.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3487.00 | |
| Stubb | 1.00 | | | 3488.00 | |
| Recorder | 0.00 | 6719 | Inside | 3488.00 | |
| Recorder | 0.00 | 8320 | Outside | 3488.00 | |
| Perforations | 20.00 | | | 3508.00 | |
| Bullnose | 3.00 | | | 3511.00 | 24.00 Bottom Packers & Anchor |
| Total Tool Length: | 44.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48235

DST#: 3

ATTN: Richard Bell

Test Start: 2012.10.06 @ 21:27:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| | | |

Total Length: ft

Total Volume: bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Miss Run

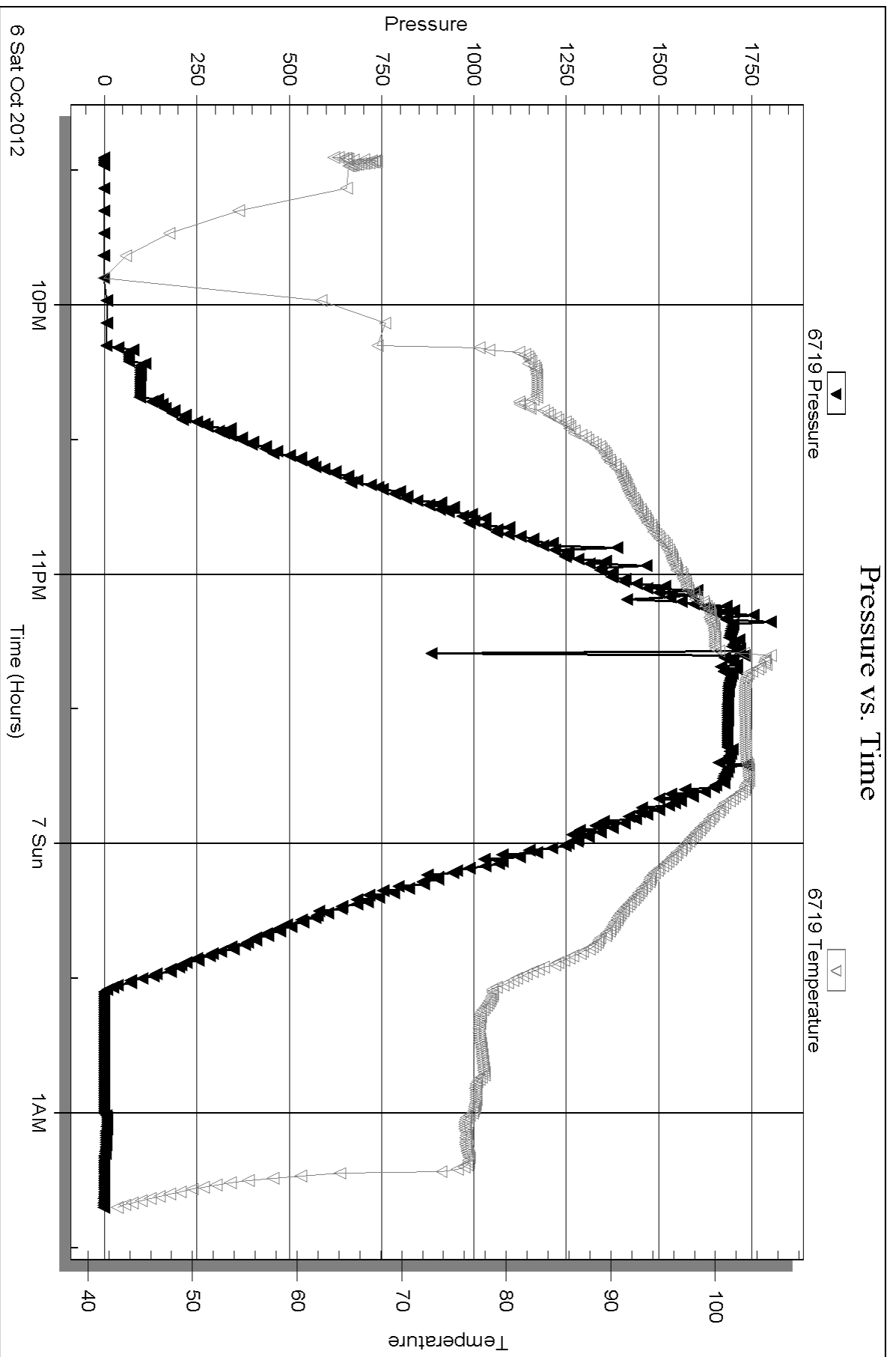
Serial #: 6719

Inside

Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 48235

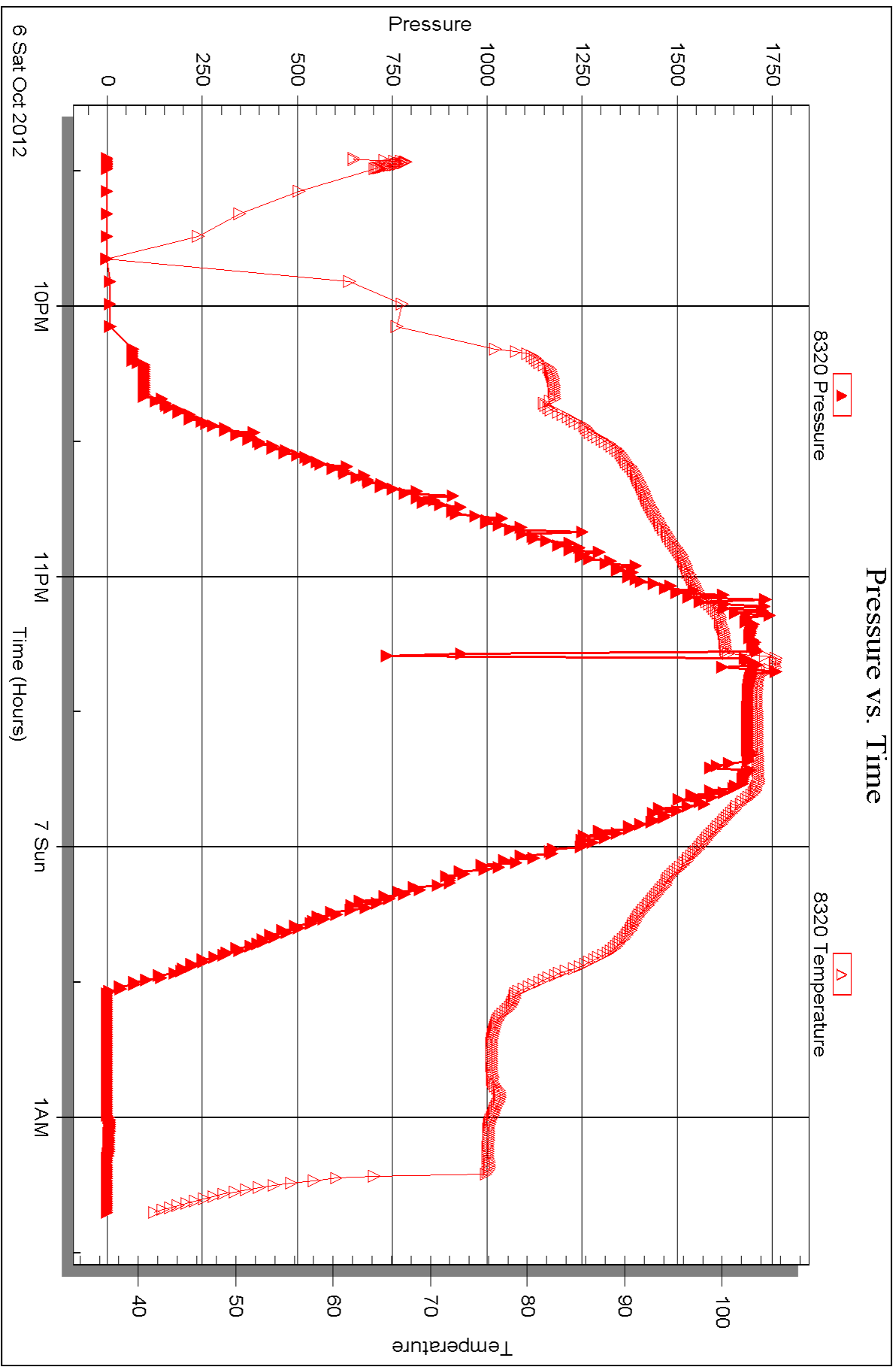
Printed: 2012.10.10 @ 11:11:00

Serial #: 8320

Outside Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 48235

Printed: 2012.10.10 @ 11:11:01



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

11-7s-22w Graham,KS

White-Worcester Unit #1-1

Start Date: 2012.10.07 @ 11:02:00

End Date: 2012.10.07 @ 16:15:00

Job Ticket #: 48236 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.10 @ 11:09:30

Baird Oil Company, LLC

White-Worcester Unit #1-1

11-7s-22w Graham,KS

DST # 4

LKC " H "

2012.10.07



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48236

DST#: 4

Test Start: 2012.10.07 @ 11:02:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:42:30

Time Test Ended: 16:15:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 57

Interval: 3545.00 ft (KB) To 3570.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3474.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press @ RunDepth: 26.16 psig @ 3546.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.07

End Date:

2012.10.07

Last Calib.: 2012.10.07

Start Time: 11:02:05

End Time:

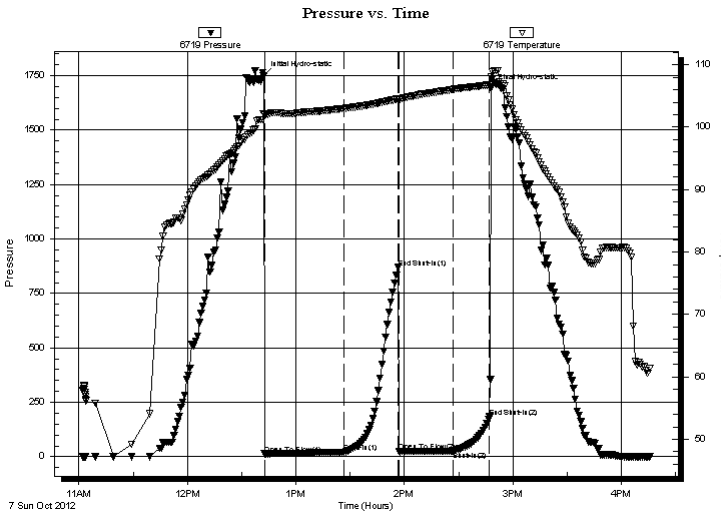
16:15:29

Time On Btm: 2012.10.07 @ 12:42:00

Time Off Btm: 2012.10.07 @ 14:48:00

TEST COMMENT: 45-IFP- Surface Blow Building to 1 1/4" In 43 min
30-ISIP- No Blow
30-FFP- Surface Blow Building to 1" In 30 min
20-FSIP- No Blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1748.22 | 102.12 | Initial Hydro-static |
| 1 | 12.62 | 102.06 | Open To Flow (1) |
| 45 | 20.83 | 103.00 | Shut-In(1) |
| 75 | 868.43 | 104.52 | End Shut-In(1) |
| 75 | 23.82 | 104.36 | Open To Flow (2) |
| 105 | 26.16 | 106.05 | Shut-In(2) |
| 125 | 183.50 | 106.79 | End Shut-In(2) |
| 126 | 1691.05 | 108.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 15.00 | OCM 12%o 88%m | 0.07 |
| | | |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48236

DST#: 4

Test Start: 2012.10.07 @ 11:02:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3426.00 ft | Diameter: 3.80 inches | Volume: 48.06 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 48000.00 lb |
| | | | <u>Total Volume: 48.67 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3545.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 25.00 ft | | | |
| Tool Length: | 45.00 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 | | | 3530.00 | |
| Hydraulic tool | 5.00 | | | 3535.00 | |
| Packer | 5.00 | | | 3540.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3545.00 | |
| Stubb | 1.00 | | | 3546.00 | |
| Recorder | 0.00 | 6719 | Inside | 3546.00 | |
| Recorder | 0.00 | 8320 | Outside | 3546.00 | |
| Perforations | 21.00 | | | 3567.00 | |
| Bullnose | 3.00 | | | 3570.00 | 25.00 Bottom Packers & Anchor |
| Total Tool Length: | 45.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48236

DST#: 4

ATTN: Richard Bell

Test Start: 2012.10.07 @ 11:02:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 15.00 | OCM 12%o 88%m | 0.074 |

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

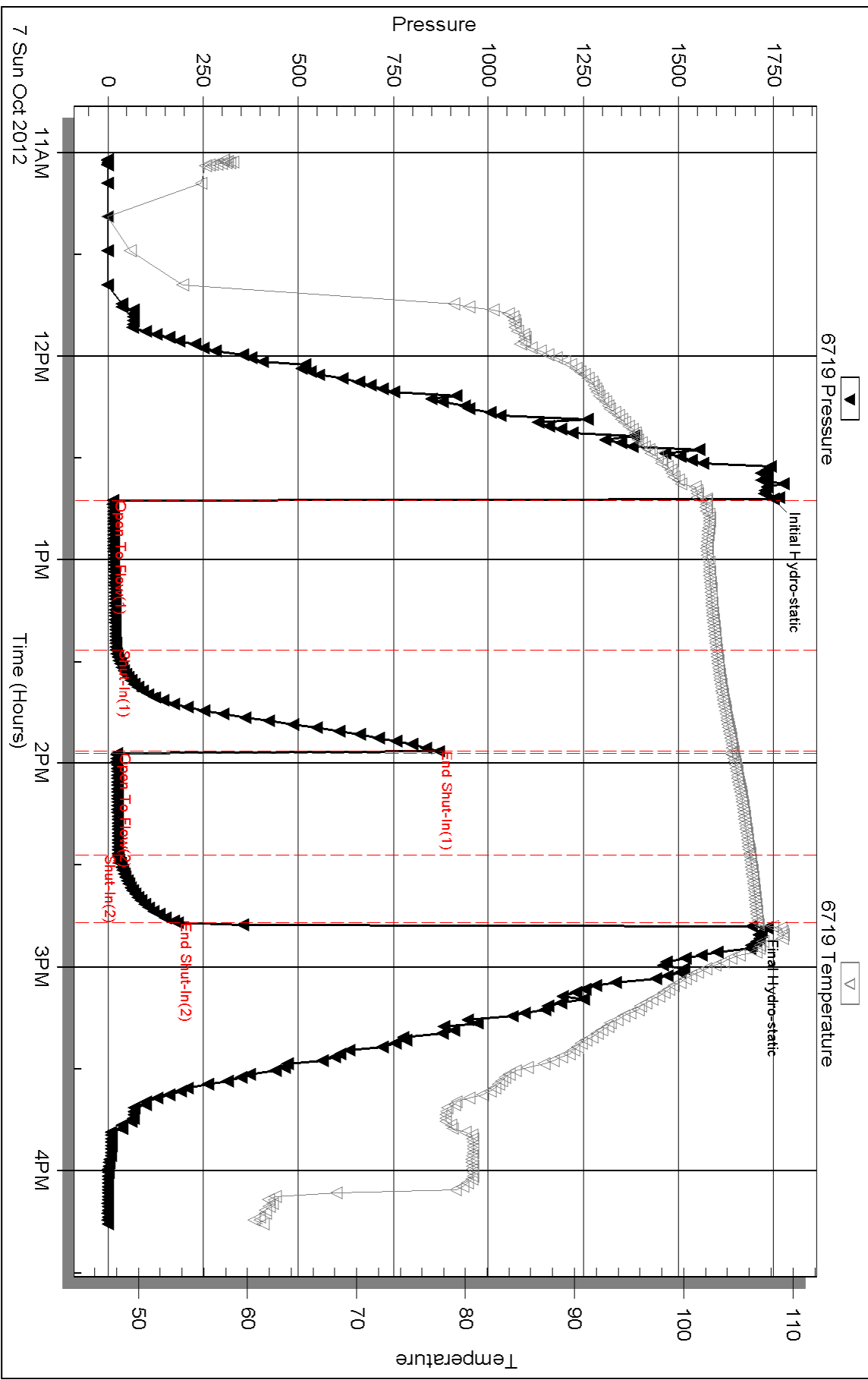
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

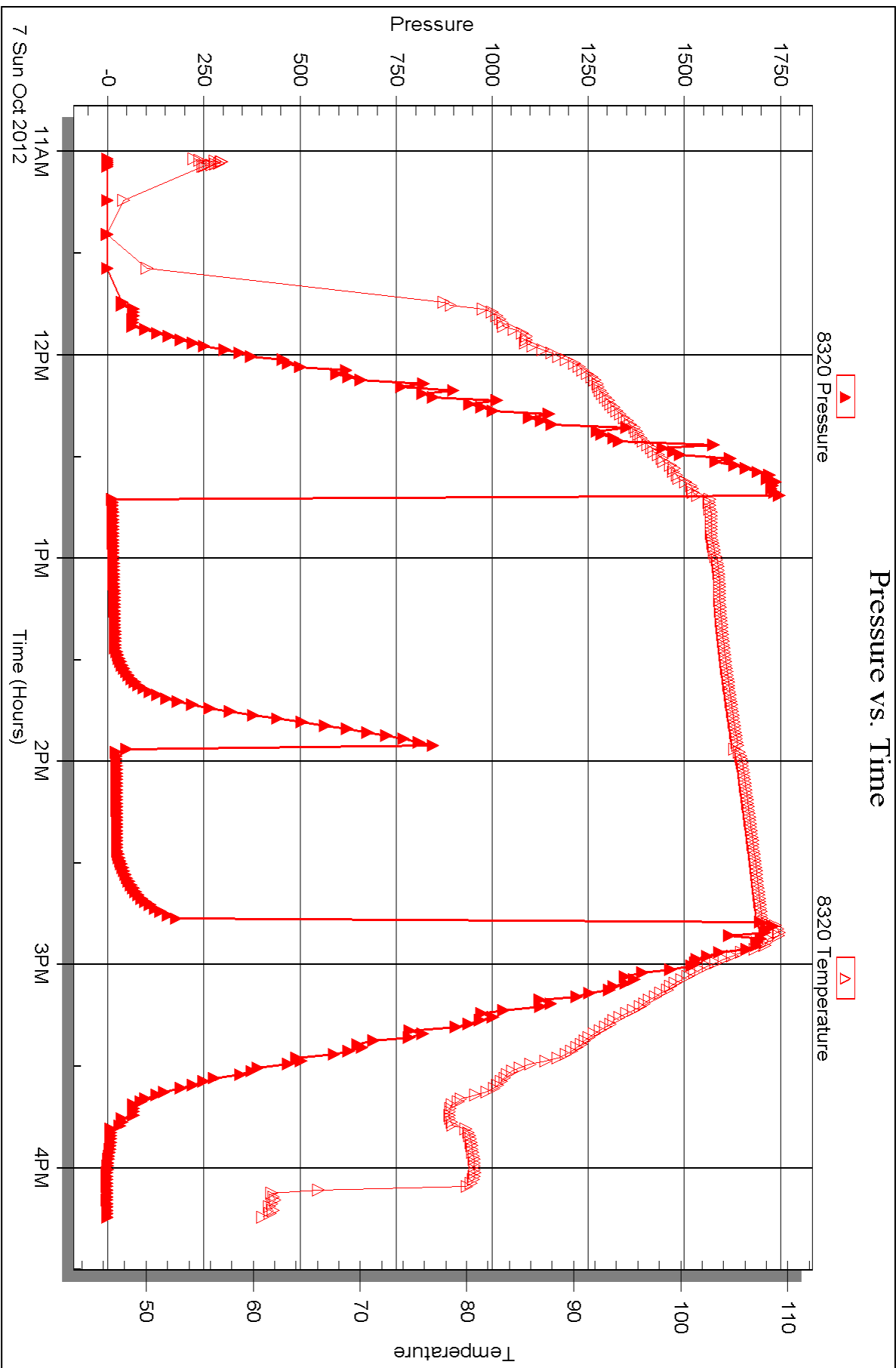


Serial #: 8320

Outside Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

11-7s-22w Graham,KS

White-Worcester Unit #1-1

Start Date: 2012.10.08 @ 01:33:00

End Date: 2012.10.08 @ 08:12:00

Job Ticket #: 48237 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.10 @ 11:08:36

Baird Oil Company, LLC

White-Worcester Unit #1-1

11-7s-22w Graham,KS

DST # 5

LKC " I & J "

2012.10.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48237

DST#: 5

Test Start: 2012.10.08 @ 01:33:00

GENERAL INFORMATION:

Formation: **LKC " I & J "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:27:00

Time Test Ended: 08:12:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 57

Interval: 3573.00 ft (KB) To 3629.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3629.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press @ RunDepth: 84.13 psig @ 3574.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.08 End Date: 2012.10.08

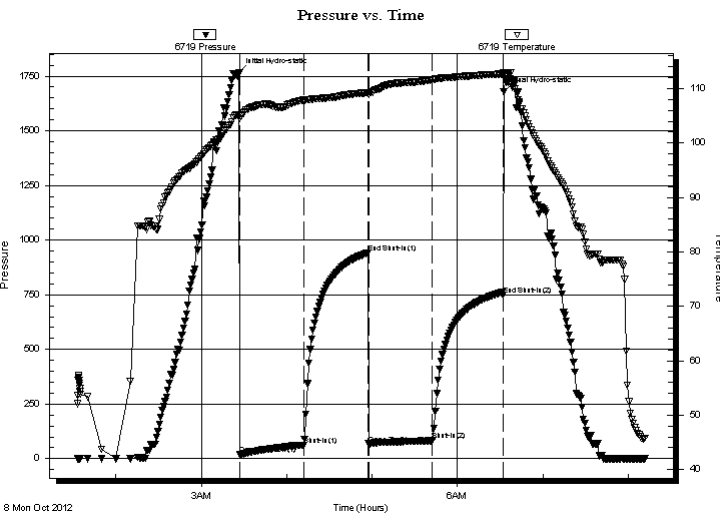
Last Calib.: 2012.10.08

Start Time: 01:33:05 End Time: 08:11:59

Time On Btm: 2012.10.08 @ 03:26:30

Time Off Btm: 2012.10.08 @ 06:32:30

TEST COMMENT: 45-IFP- Surface Blow Building to 4 3/4". In 45 min
45-ISIP- No Blow
45-FFP- Surface Blow in 2min Building to 1 3/4"
45-FSIP- No Blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1767.27 | 105.08 | Initial Hydro-static |
| 1 | 20.57 | 104.47 | Open To Flow (1) |
| 46 | 62.52 | 107.88 | Shut-In(1) |
| 91 | 941.85 | 109.22 | End Shut-In(1) |
| 91 | 67.68 | 108.98 | Open To Flow (2) |
| 136 | 84.13 | 111.68 | Shut-In(2) |
| 186 | 747.69 | 112.66 | End Shut-In(2) |
| 186 | 1679.81 | 112.86 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 145.00 | MUD 100% Trace of Oil | 0.90 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48237

DST#: 5

Test Start: 2012.10.08 @ 01:33:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3457.00 ft | Diameter: 3.80 inches | Volume: 48.49 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 49.10 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 3573.00 ft | | | Final 47000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 56.00 ft | | | |
| Tool Length: | 76.00 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 | | | 3558.00 | |
| Hydraulic tool | 5.00 | | | 3563.00 | |
| Packer | 5.00 | | | 3568.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3573.00 | |
| Stubb | 1.00 | | | 3574.00 | |
| Recorder | 0.00 | 6719 | Inside | 3574.00 | |
| Recorder | 0.00 | 8320 | Outside | 3574.00 | |
| Perforations | 18.00 | | | 3592.00 | |
| Change Over Sub | 1.00 | | | 3593.00 | |
| Blank Spacing | 32.00 | | | 3625.00 | |
| Change Over Sub | 1.00 | | | 3626.00 | |
| Bullnose | 3.00 | | | 3629.00 | 56.00 Bottom Packers & Anchor |

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48237

DST#: 5

ATTN: Richard Bell

Test Start: 2012.10.08 @ 01:33:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------|---------------|
| 145.00 | MUD 100% Trace of Oil | 0.904 |

Total Length: 145.00 ft Total Volume: 0.904 bbl

Num Fluid Samples: 0

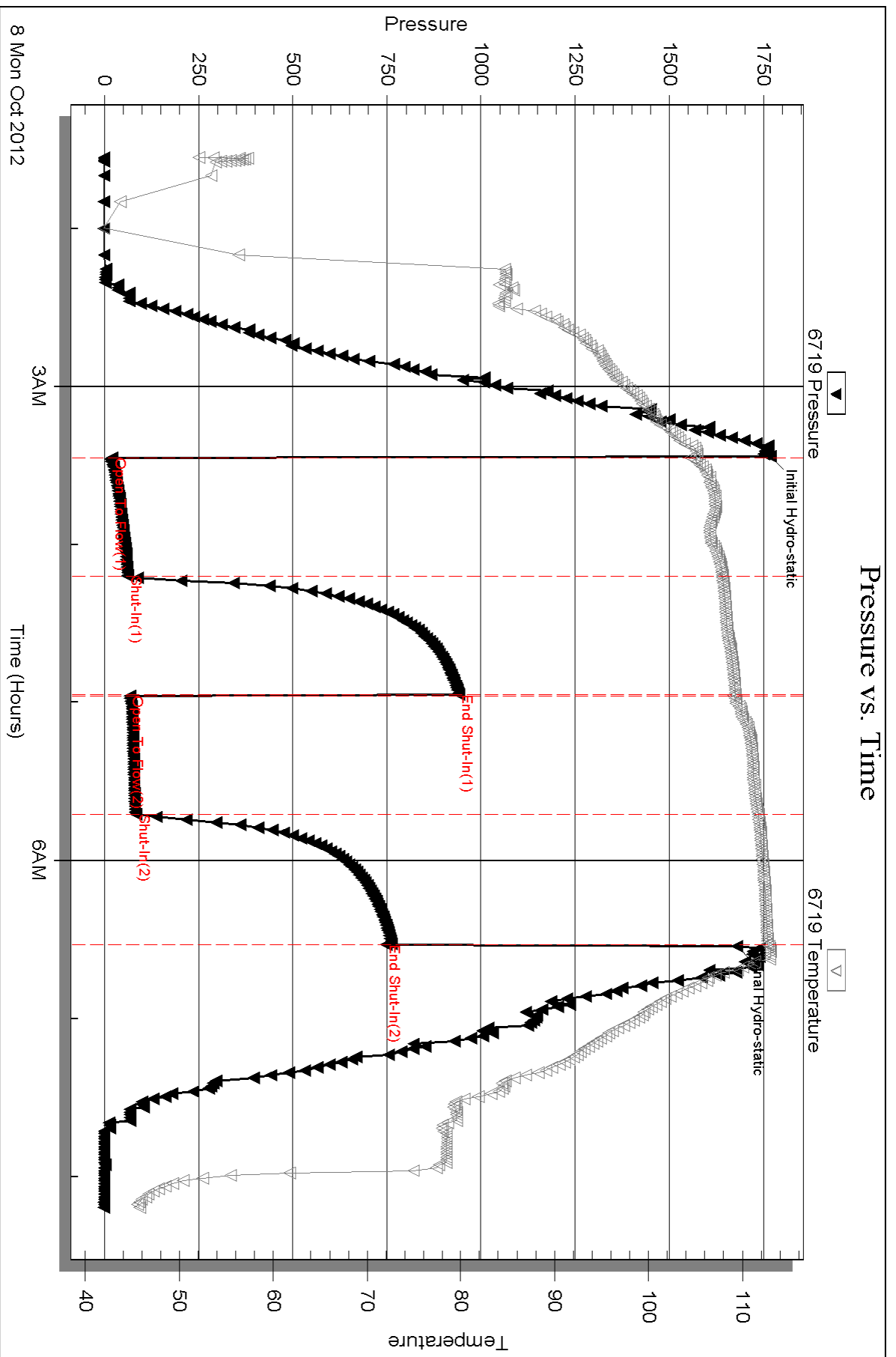
Num Gas Bombs: 0

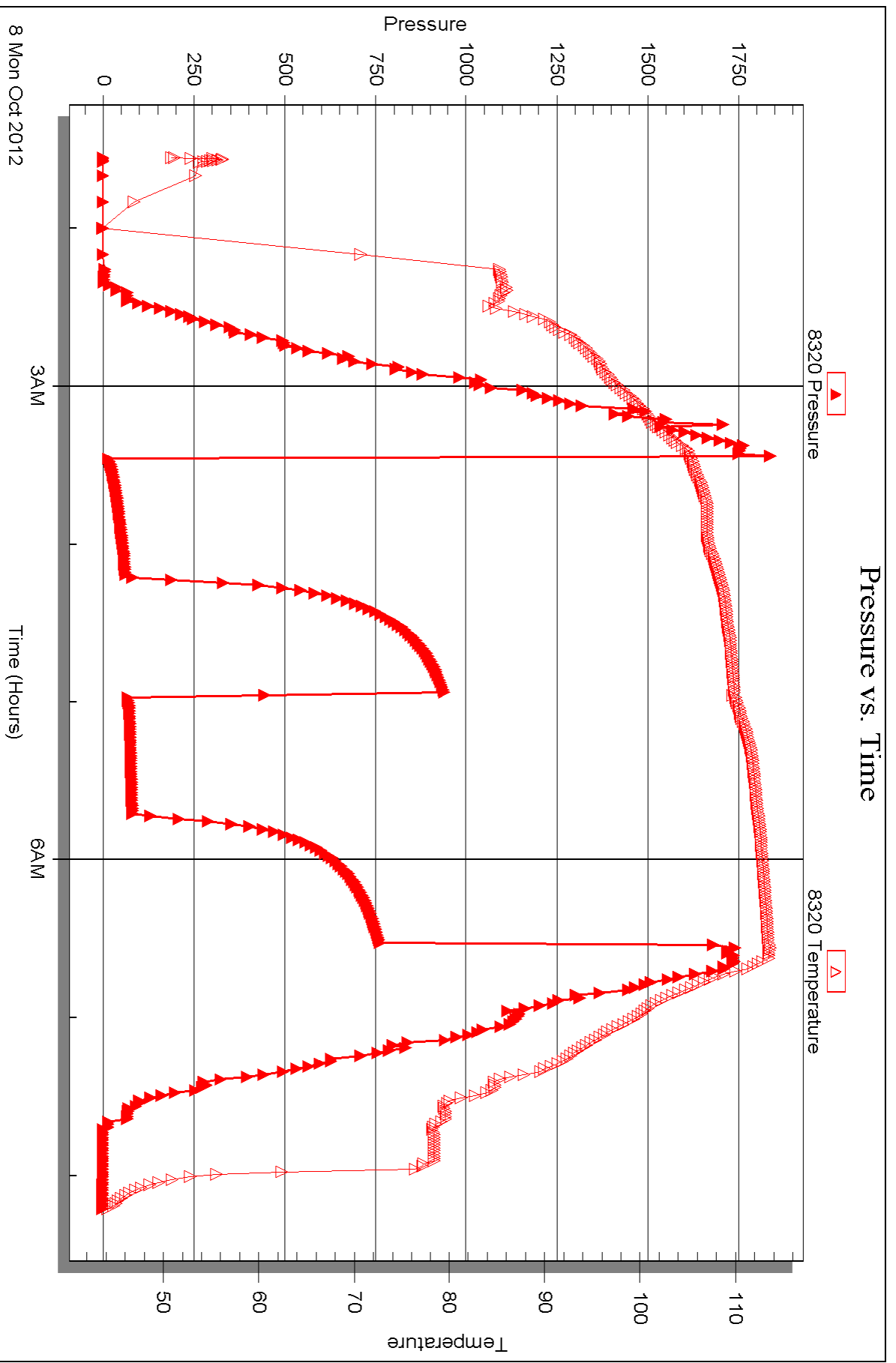
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

11-7s-22w Graham,KS

White-Worcester Unit #1-1

Start Date: 2012.10.08 @ 17:00:00

End Date: 2012.10.08 @ 21:33:00

Job Ticket #: 48238 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.10 @ 11:07:39

Baird Oil Company, LLC

White-Worcester Unit #1-1

11-7s-22w Graham,KS

DST # 6

Conglomerate Sand

2012.10.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

ATTN: Richard Bell

Job Ticket: 48238

DST#: 6

Test Start: 2012.10.08 @ 17:00:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:05:30

Time Test Ended: 21:33:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 57

Interval: 3694.00 ft (KB) To 3702.00 ft (KB) (TVD)

Reference Elevations: 2203.00 ft (KB)

Total Depth: 3474.00 ft (KB) (TVD)

2198.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 19.34 psig @ 3695.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.08

End Date:

2012.10.08

Last Calib.:

2012.10.08

Start Time: 17:00:05

End Time:

21:33:29

Time On Btm:

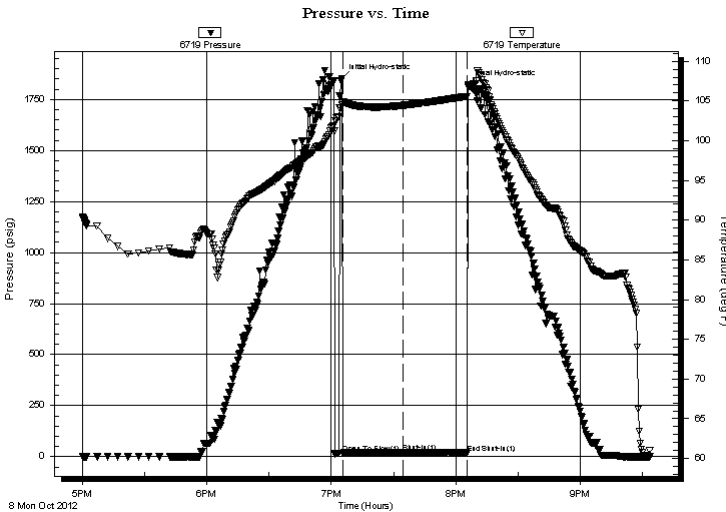
2012.10.08 @ 19:05:00

Time Off Btm:

2012.10.08 @ 20:06:00

TEST COMMENT: 30-IFP- Surface Blow Died in 14 min
30-ISIP- No Blow
Pulled

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1850.47 | 104.52 | Initial Hydro-static |
| 1 | 17.94 | 104.54 | Open To Flow (1) |
| 30 | 19.34 | 104.44 | Shut-In(1) |
| 61 | 18.10 | 105.59 | End Shut-In(1) |
| 61 | 1821.69 | 106.78 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 2.00 | MUD 100% | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48238 **DST#: 6**

ATTN: Richard Bell

Test Start: 2012.10.08 @ 17:00:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3584.00 ft | Diameter: 3.80 inches | Volume: 50.27 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 50.88 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 34.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3694.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 8.00 ft | | | |
| Tool Length: | 28.00 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 | | | 3679.00 | |
| Hydraulic tool | 5.00 | | | 3684.00 | |
| Packer | 5.00 | | | 3689.00 | 20.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3694.00 | |
| Stubb | 1.00 | | | 3695.00 | |
| Recorder | 0.00 | 6719 | Inside | 3695.00 | |
| Recorder | 0.00 | 8320 | Outside | 3695.00 | |
| Perforations | 4.00 | | | 3699.00 | |
| Bullnose | 3.00 | | | 3702.00 | 8.00 Bottom Packers & Anchor |
| Total Tool Length: | 28.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

White-Worcester Unit #1-1

PO Box 428
Logan, KS 67646

11-7s-22w Graham,KS

Job Ticket: 48238

DST#: 6

ATTN: Richard Bell

Test Start: 2012.10.08 @ 17:00:00

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: 55.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 2.00 | MUD 100% | 0.010 |

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

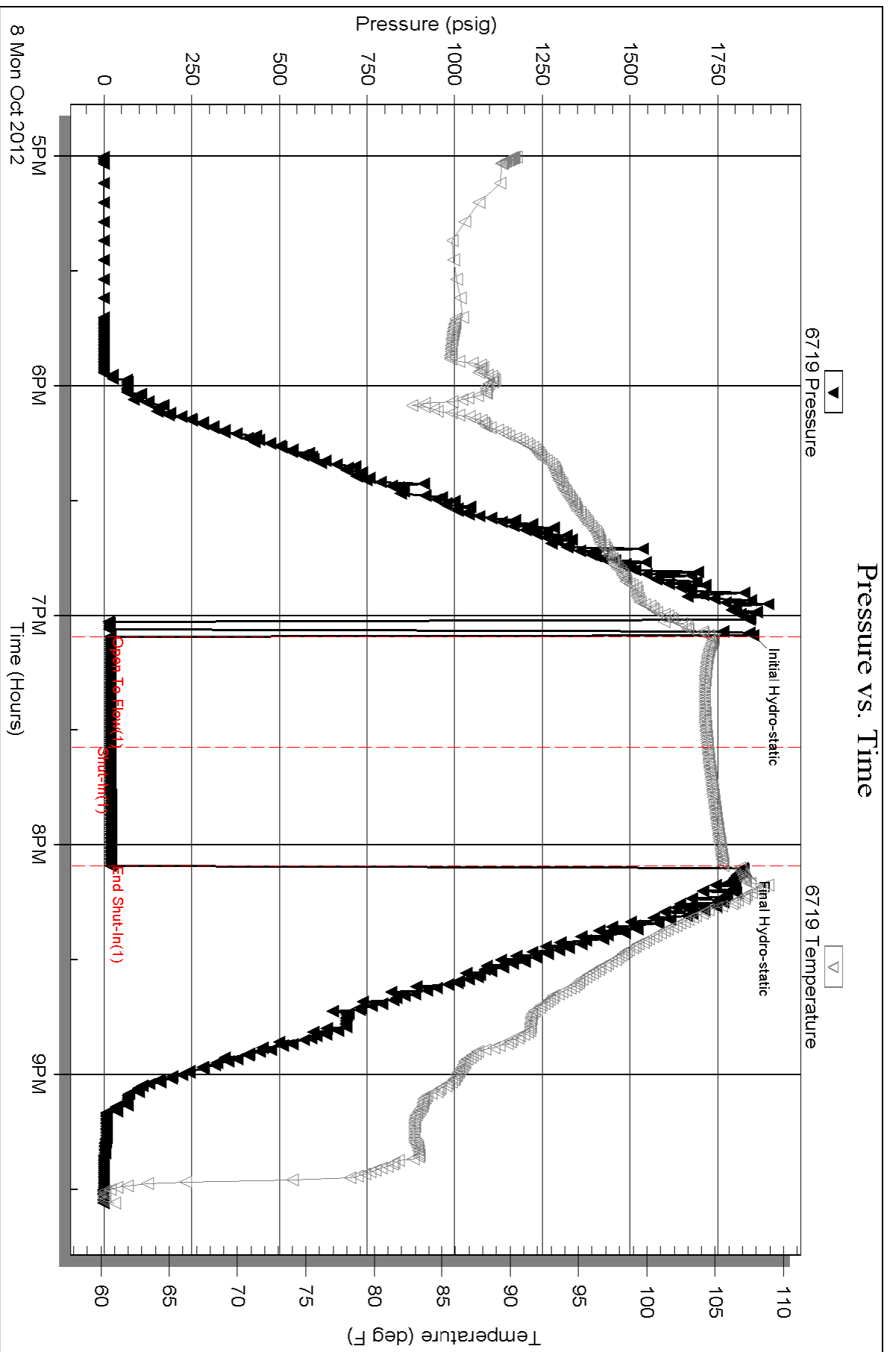
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

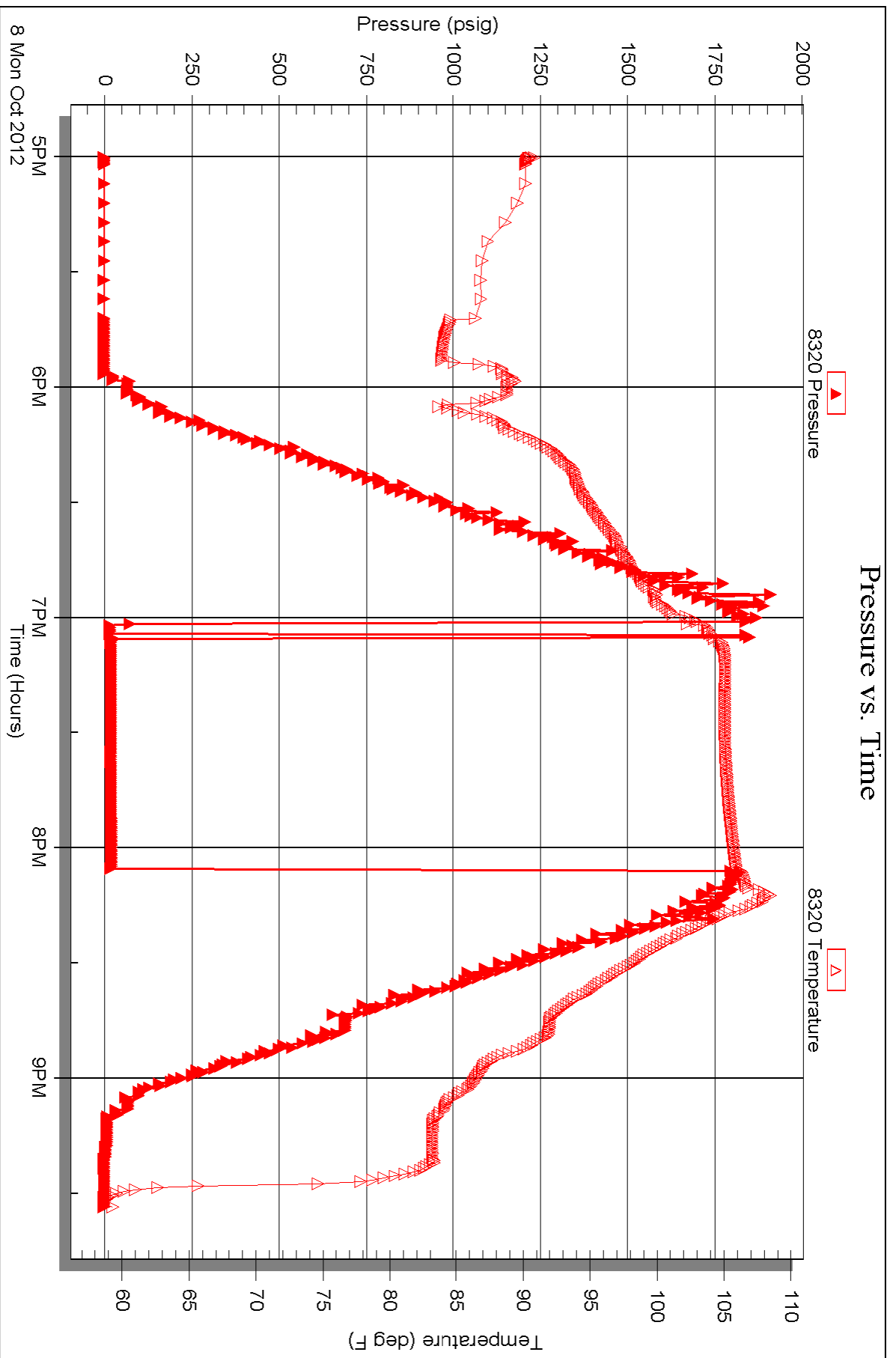


Serial #: 8320

Outside Baird Oil Company, LLC

11-7-s-22w Graham,KS

DST Test Number: 6





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48233

Well Name & No. White - Worcester Unit #1-1 Test No. 1 Date 10-5-12
 Company Baird Oil Company LLC Elevation 2303 KB 22298 GL
 Address 113 W. Main PO Box 428 Logan KS 67646
 Co. Rep / Geo. Richard Bell Rig WW #8
 Location: Sec. 11 Twp. 7S Rge. 22w Co. Graham State KS

Interval Tested 3452-3474 Zone Tested LKC "C"
 Anchor Length 22 Drill Pipe Run 3330 Mud Wt. 8.9
 Top Packer Depth 3447 Drill Collars Run 124 Vis 58
 Bottom Packer Depth 3452 Wt. Pipe Run - WL 6.0
 Total Depth 3474 Chlorides 2000 ppm System LCM 2

Blow Description IF: Blow built to BOB (11") in 42 min.
ISI: No blowback
FF: Blow built to 8 1/4"
FSI: No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------------------|-------------------|----------------|-----------------|-------------|
| <u>5</u> | <u>WCO</u> | <u>-</u> | <u>60</u> | <u>35</u> | <u>5</u> |
| <u>105</u> | <u>SO/mcw</u> | <u>-</u> | <u>2</u> | <u>68</u> | <u>30</u> |
| <u>124</u> | <u>SMCW w/trace oil</u> | <u>%gas trace</u> | <u>%oil 92</u> | <u>%water 8</u> | <u>%mud</u> |
| <u>Rec</u> | <u>Feet of GIP=20'</u> | <u>%gas</u> | <u>%oil</u> | <u>%water</u> | <u>%mud</u> |
| <u>Rec</u> | <u>Feet of</u> | <u>%gas</u> | <u>%oil</u> | <u>%water</u> | <u>%mud</u> |

Rec Total 234 BHT 117 Gravity - API RW .150 @ 40.3 °F Chlorides 92,000 ppm

(A) Initial Hydrostatic 1697 Test 1150 T-On Location 20:10
 (B) First Initial Flow 11 Jars T-Started 20:53
 (C) First Final Flow 90 Safety Joint T-Open 22:27
 (D) Initial Shut-In 623 Circ Sub NA T-Pulled 1:30
 (E) Second Initial Flow 93 Hourly Standby T-Out 3:05
 (F) Second Final Flow 126 Mileage 134RT 207.70 Comments _____
 (G) Final Shut-In 610 Sampler _____
 (H) Final Hydrostatic 1686 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 45 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1357.70
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1357.70

Approved By Richard Bell Our Representative James Windig

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48234

Well Name & No. White - Worcester Unit #1-1 Test No. 2 Date 10-6-12
 Company Baird Oil Company, LLC Elevation 2303 KB 2298 GL
 Address 113 W. Main PO Box 428 Logan, KS 67646
 Co. Rep / Geo. Richard Bell Rig WW #8
 Location: Sec. 11 Twp. 7S Rge. 22w Co. Graham State KS

Interval Tested 3473 - 3489 Zone Tested LKC "D"
 Anchor Length 16 Drill Pipe Run 3363 Mud Wt. 8.9
 Top Packer Depth 3468 Drill Collars Run 124 Vis 52
 Bottom Packer Depth 3473 Wt. Pipe Run - WL 6.0
 Total Depth 3489 Chlorides 2000 ppm System LCM 1 1/2

Blow Description IF: Blow built to BOB (11") in 34 1/2 min.
ISI: No blowback
FF: Blow built to 10"
FSI: No blowback

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-----------------------------|----------|--------------|-----------|-----------|
| <u>10</u> | <u>Oil</u> | <u>1</u> | <u>96</u> | <u>-</u> | <u>3</u> |
| <u>85</u> | <u>Water w/trace of oil</u> | <u>-</u> | <u>trace</u> | <u>96</u> | <u>4</u> |
| <u>185</u> | <u>MCW w/trace of oil</u> | <u>-</u> | <u>trace</u> | <u>90</u> | <u>10</u> |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

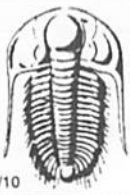
Rec Total 280 BHT 121 Gravity 28.8 API RW 129 @ 45.1 °F Chlorides 95,000 ppm

(A) Initial Hydrostatic 1702 Test * 1150 T-On Location 8:45
 (B) First Initial Flow 13 Jars T-Started 9:21
 (C) First Final Flow 101 Safety Joint T-Open 11:00
 (D) Initial Shut-In 615 Circ Sub *NA T-Pulled 14:02
 (E) Second Initial Flow 104 Hourly Standby T-Out 15:45
 (F) Second Final Flow 144 Mileage 134RT 207.70 Comments _____
 (G) Final Shut-In 602 Sampler _____
 (H) Final Hydrostatic 1697 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1357.70

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1357.70
 MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By Richard Bell Our Representative James Winder
 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48236

Well Name & No. White-Worcester Unit #1-1 Test No. 4 Date 10-7-12
 Company Baird Oil Co. LLC Elevation 2303 KB 2298 GL
 Address 113 W. MAIN Box 428 Logan Ks. 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 11 Twp. 7^s Rge. 22^w Co. Graham State Ks

Interval Tested 3545-3570 Zone Tested LKC "H"
 Anchor Length 25 Drill Pipe Run 3426 Mud Wt. 9.1
 Top Packer Depth 3540 Drill Collars Run 124 Vis 50
 Bottom Packer Depth 3545 Wt. Pipe Run 0 WL 6.4
 Total Depth 3570 Chlorides 2200 ppm System LCM 2

Blow Description IFP - Surface Blow Building to 1/4 in. IN 43 min.
ISIP - No Blow
FFP - Surface Blow Building to 1 in. IN 30 min.
FSIP - No Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|-----------|------|-----------|------|
| <u>15</u> | <u>OCM</u> | <u>12</u> | | <u>88</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 15 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1748
- (B) First Initial Flow 12
- (C) First Final Flow 20
- (D) Initial Shut-In 868
- (E) Second Initial Flow 23
- (F) Second Final Flow 26
- (G) Final Shut-In 183
- (H) Final Hydrostatic 1691

- Test 1150
 - Jars
 - Safety Joint
 - Circ Sub
 - Hourly Standby
 - Mileage 207.70
 - Sampler
 - Straddle
 - Shale Packer
 - Extra Packer
 - Extra Recorder
 - Day Standby
 - Accessibility
- Sub Total 1357.70

T-On Location 10:42
 T-Started 11:02
 T-Open 12:42
 T-Pulled 14:47
 T-Out 16:15
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1357.70
 MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30 20

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 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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48237

Well Name & No. White-Worcester Unit#1-1 Test No. 5 Date 10-8-12
 Company Baird Oil Co. LLC Elevation 2203 KB 2198 GL
 Address 113 W. MAIN Box 428 Logan KS, 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 11 Twp. 7^s Rge. 22^w Co. Graham State KS

Interval Tested 3573-3629 Zone Tested LKC "F-L"
 Anchor Length 56 Drill Pipe Run 3457 Mud Wt. 9.2
 Top Packer Depth 3568 Drill Collars Run 124 Vis 55
 Bottom Packer Depth 3573 Wt. Pipe Run 0 WL 6.4
 Total Depth 3629 Chlorides 2400 ppm System LCM 1

Blow Description IFP - Surface Blow Building to 4 3/4 in. In 45 min.
ISIP - No Blow
FFP - Surface Blow in 2 min. Building to 1 3/4 in.
FSIP - No Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|---------------------------|------|------|-------------|------|
| <u>145</u> | <u>MUD (Trace of Oil)</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 |

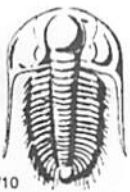
Rec Total 145 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1767 Test 1150 T-On Location 01:00
 (B) First Initial Flow 20 Jars _____ T-Started 01:33
 (C) First Final Flow 62 Safety Joint _____ T-Open 03:27
 (D) Initial Shut-In 941 Circ Sub _____ T-Pulled 06:27
 (E) Second Initial Flow 67 Hourly Standby _____ T-Out 08:12
 (F) Second Final Flow 84 Mileage 207.70 Comments _____
 (G) Final Shut-In 747 Sampler _____
 (H) Final Hydrostatic 1679 Straddle _____

Initial Open 45 Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 45 Extra Packer _____
 Final Shut-In 45 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1357.70
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1357.70

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 48238

Well Name & No. White-Worcester Unit #1-1 Test No. 6 Date 10-8-12
 Company Baird Oil Co. LLC Elevation 2203 KB 2198 GL
 Address 113 W. MAIN Box 428 Logan Ks. 67646
 Co. Rep / Geo. Rich Bell Rig WW-8
 Location: Sec. 11 Twp. 7^s Rge. 22^w Co. Graham State KS

Interval Tested 3694-3702 Zone Tested Conglomerate Sand
 Anchor Length 8 Drill Pipe Run 3584 Mud Wt. 9.2
 Top Packer Depth 3689 Drill Collars Run 124 Vis 55
 Bottom Packer Depth 3694 Wt. Pipe Run 0 WL 6.4
 Total Depth 3702 Chlorides 2400 ppm System LCM 1
 Blow Description IFP - Surface Blow Dried in 14min.
IFP - No Blow
IFP - pulled.

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|------------|------|------|------------|------|
| <u>2</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 Total 2 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1850 Test 1150 T-On Location 16:42
 (B) First Initial Flow 17 Jars _____ T-Started 17:00
 (C) First Final Flow 19 Safety Joint _____ T-Open 19:05
 (D) Initial Shut-In 18 Circ Sub _____ T-Pulled 20:05
 (E) Second Initial Flow - Hourly Standby _____ T-Out 21:33
 (F) Second Final Flow - Mileage 207.70 Comments _____
 (G) Final Shut-In - Sampler _____
 (H) Final Hydrostatic 1821 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 1357.70
 Final Flow pull Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1357.70

Approved By _____ Our Representative [Signature]

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