



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

Harper #1-10

10-10s-19w Rooks KS

Start Date: 2015.05.12 @ 03:25:00

End Date: 2015.05.12 @ 16:23:45

Job Ticket #: 62707 DST #: 1

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

Printed: 2015.05.15 @ 08:56:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
Job Ticket: 62707 **DST#: 1**
Test Start: 2015.05.12 @ 03:25:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:05:30
Time Test Ended: 16:23:45
Interval: **3365.00 ft (KB) To 3403.00 ft (KB) (TVD)**
Total Depth: 3403.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2128.00 ft (KB)
2120.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73

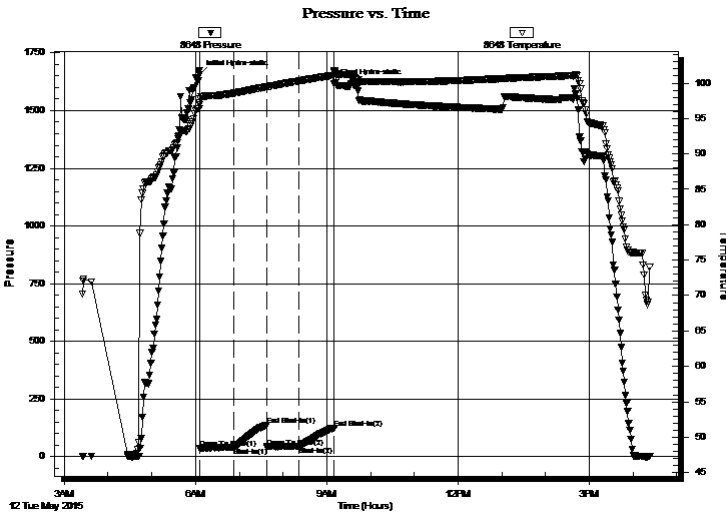
Serial #: 8648

Inside

Press@RunDepth: 45.95 psig @ 3368.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.05.12 End Date: 2015.05.12 Last Calib.: 2015.05.12
Start Time: 03:25:05 End Time: 16:23:45 Time On Btm: 2015.05.12 @ 06:05:15
Time Off Btm: 2015.05.12 @ 09:10:15

TEST COMMENT: 45 - IF- 3" blow
45 - IS- No return
45 - FF- 3 1/2" blow
45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.61	97.23	Initial Hydro-static
1	34.83	96.94	Open To Flow (1)
47	40.97	98.56	Shut-In(1)
92	137.97	99.48	End Shut-In(1)
92	41.17	99.43	Open To Flow (2)
137	45.95	100.29	Shut-In(2)
185	124.79	101.11	End Shut-In(2)
185	1616.25	101.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud - Oil spots, 100%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
Job Ticket: 62707 **DST#: 1**
Test Start: 2015.05.12 @ 03:25:00

Tool Information

Drill Pipe:	Length: 3066.00 ft	Diameter: 3.80 inches	Volume: 43.01 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 45.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3365.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3346.00	
Shut In Tool	5.00			3351.00	
Hydraulic tool	5.00			3356.00	
Packer	5.00			3361.00	20.00 Bottom Of Top Packer
Packer	4.00			3365.00	
Stubb	1.00			3366.00	
Anchor	1.00			3367.00	
Change Over Sub	1.00			3368.00	
Recorder	0.00	8648	Inside	3368.00	
Recorder	0.00	8940	Outside	3368.00	
Drill Pipe	31.00			3399.00	
Change Over Sub	1.00			3400.00	
Bullnose	3.00			3403.00	38.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

10-10s-19w Rooks KS

PO Box 399
Garden City KS 67846

Harper #1-10

Job Ticket: 62707

DST#: 1

ATTN: Marc Downing

Test Start: 2015.05.12 @ 03:25:00

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: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4250.00 ppm

Filter Cake: 2.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud - Oil spots, 100%M	0.147

Total Length: 20.00 ft Total Volume: 0.147 bbl

Num Fluid Samples: 0

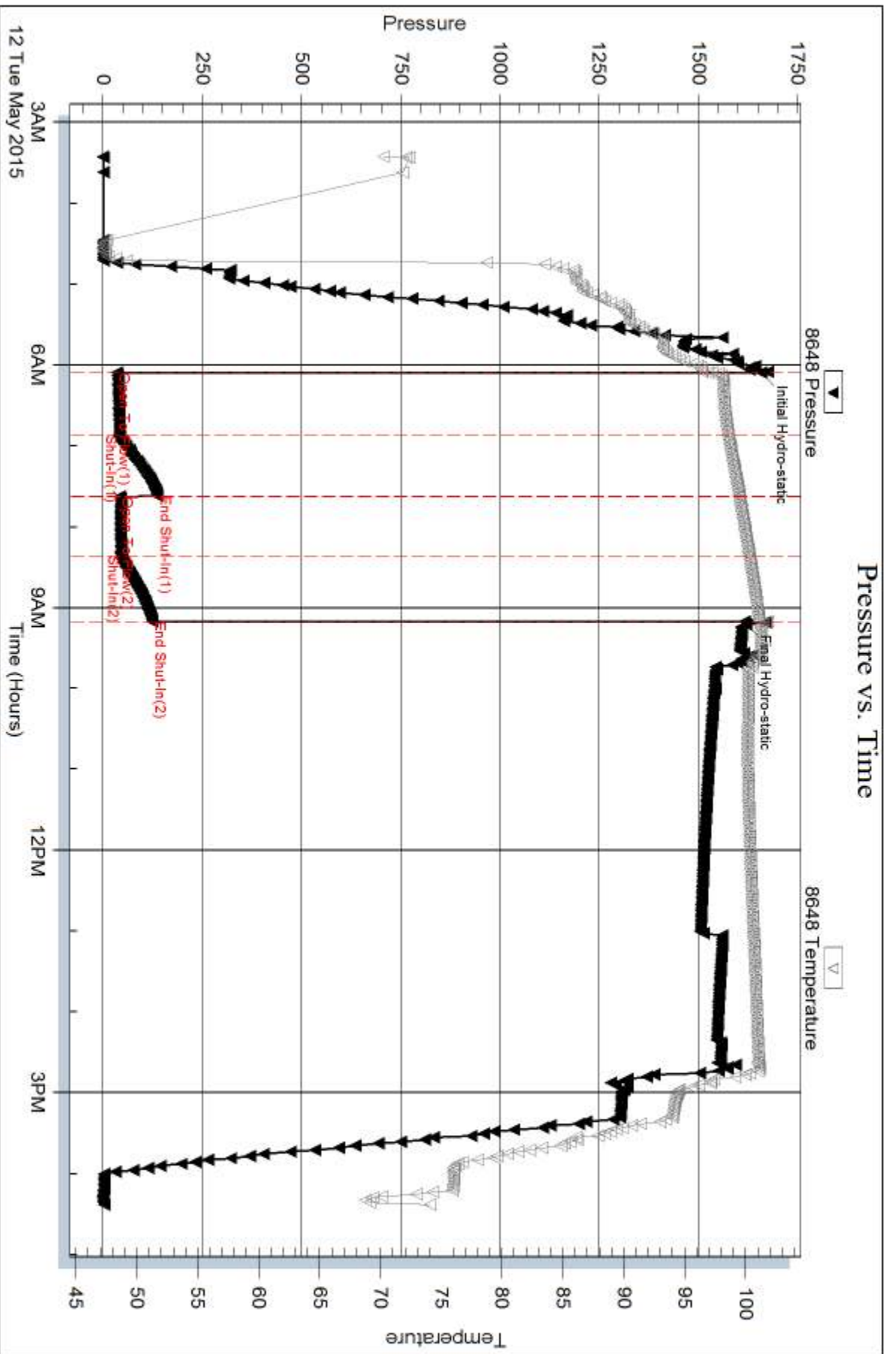
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

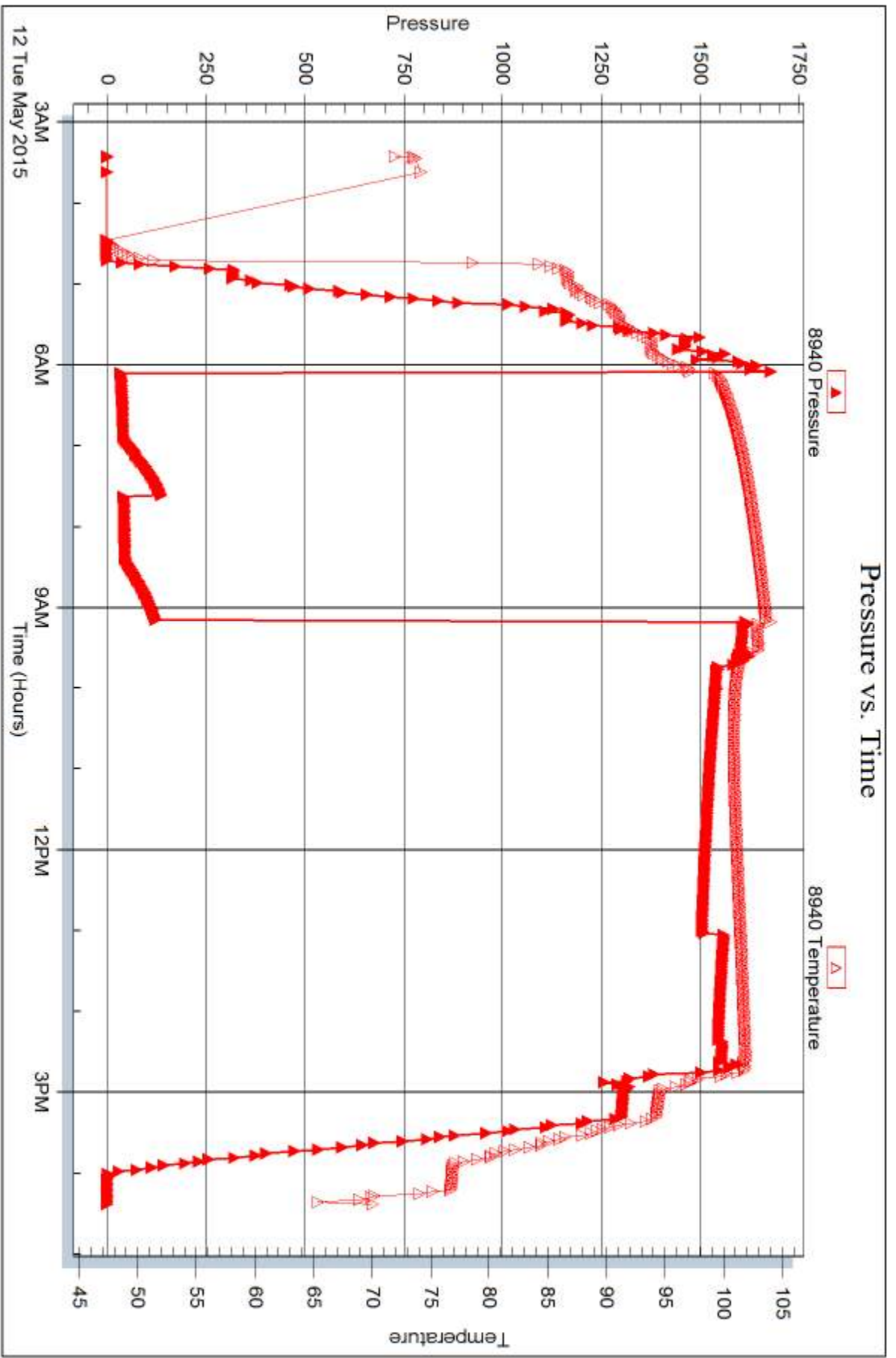


Serial #: 8940

Outside American Warrior Inc

Harper #1-10

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 62707

Printed: 2015.05.15 @ 08:56:43



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

Harper #1-10

10-10s-19w Rooks KS

Start Date: 2015.05.12 @ 23:08:00

End Date: 2015.05.13 @ 05:03:30

Job Ticket #: 62708 DST #: 2

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

Printed: 2015.05.15 @ 08:56:21



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
 Job Ticket: 62708 **DST#: 2**
 Test Start: 2015.05.12 @ 23:08:00

GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:21:45
 Time Test Ended: 05:03:30
 Interval: **3402.00 ft (KB) To 3430.00 ft (KB) (TVD)**
 Total Depth: 3430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2128.00 ft (KB)
 2120.00 ft (CF)
 KB to GR/CF: 8.00 ft

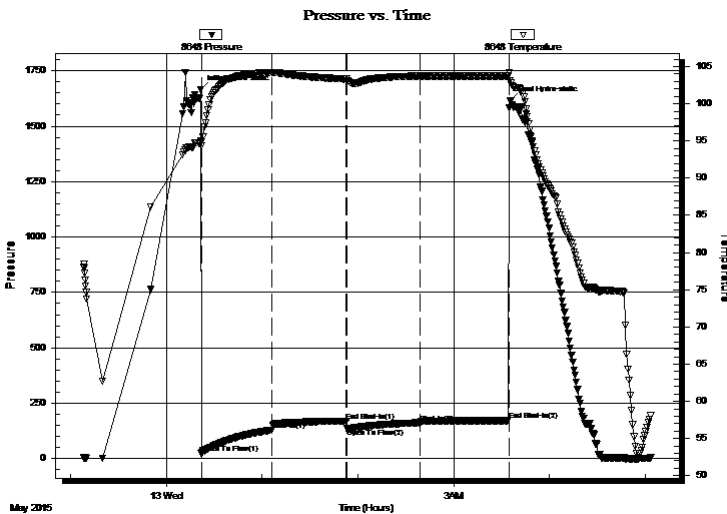
Serial #: 8648

Inside

Press@RunDepth: 161.69 psig @ 3427.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.05.12 End Date: 2015.05.13 Last Calib.: 2015.05.13
 Start Time: 23:08:05 End Time: 05:03:29 Time On Btm: 2015.05.13 @ 00:21:30
 Time Off Btm: 2015.05.13 @ 03:35:30

TEST COMMENT: 45 - IF- B.O.B. In 20 minutes
 45 - IS- Surface return, died in 12 minutes
 45 - FF- 5" blow
 45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.47	94.94	Initial Hydro-static
1	22.38	94.40	Open To Flow (1)
45	128.91	104.20	Shut-In(1)
92	168.43	103.31	End Shut-In(1)
92	135.08	103.28	Open To Flow (2)
138	161.69	103.72	Shut-In(2)
193	171.47	103.72	End Shut-In(2)
194	1616.68	103.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM, 20%W, 80%M	0.46
186.00	MW, 10%M, 90%W	1.37
62.00	MW, 40%M, 60%W	0.46

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

10-10s-19w Rooks KS

PO Box 399
Garden City KS 67846

Harper #1-10

Job Ticket: 62708

DST#: 2

ATTN: Marc Downing

Test Start: 2015.05.12 @ 23:08:00

Tool Information

Drill Pipe:	Length: 3095.00 ft	Diameter: 3.80 inches	Volume: 43.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3402.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3383.00	
Shut In Tool	5.00			3388.00	
Hydraulic tool	5.00			3393.00	
Packer	5.00			3398.00	20.00 Bottom Of Top Packer
Packer	4.00			3402.00	
Stubb	1.00			3403.00	
Anchor	24.00			3427.00	
Recorder	0.00	8648	Inside	3427.00	
Recorder	0.00	8940	Outside	3427.00	
Bullnose	3.00			3430.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

10-10s-19w Rooks KS

PO Box 399
Garden City KS 67846

Harper #1-10

Job Ticket: 62708

DST#: 2

ATTN: Marc Downing

Test Start: 2015.05.12 @ 23:08:00

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:

27000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	WM, 20%W, 80%M	0.455
186.00	MW, 10%M, 90%W	1.366
62.00	MW, 40%M, 60%W	0.455

Total Length: 310.00 ft Total Volume: 2.276 bbl

Num Fluid Samples: 0

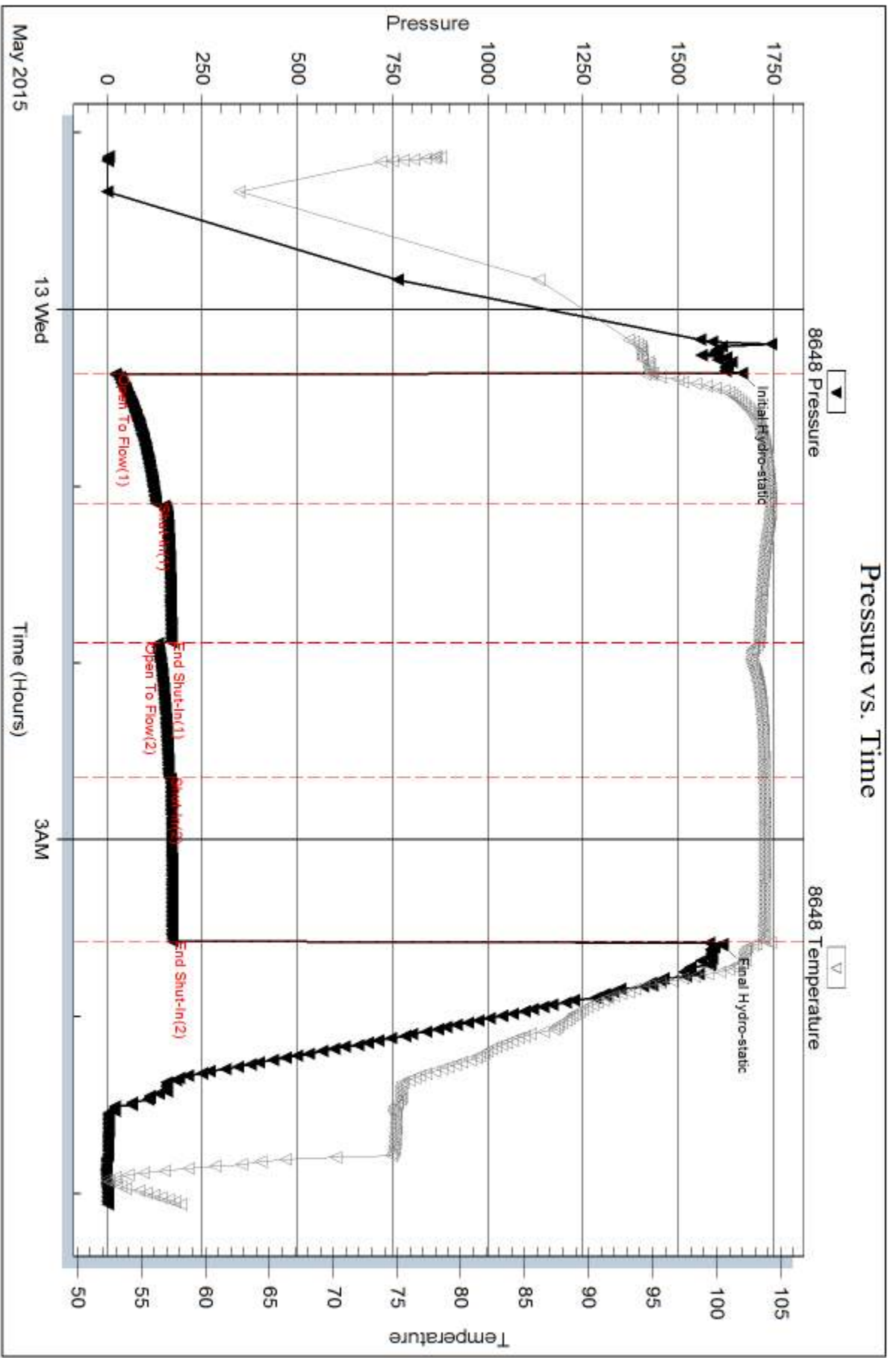
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .28 @ 60 Degrees = 27000







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

Harper #1-10

10-10s-19w Rooks KS

Start Date: 2015.05.13 @ 14:18:00

End Date: 2015.05.13 @ 19:22:15

Job Ticket #: 62709 DST #: 3

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

Printed: 2015.05.15 @ 08:56:01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc
 PO Box 399
 Garden City KS 67846
 ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
 Job Ticket: 62709 **DST#: 3**
 Test Start: 2015.05.13 @ 14:18:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:52:30
 Time Test Ended: 19:22:15
Interval: 3459.00 ft (KB) To 3524.00 ft (KB) (TVD)
 Total Depth: 3524.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2128.00 ft (KB)
 2120.00 ft (CF)
 KB to GR/CF: 8.00 ft

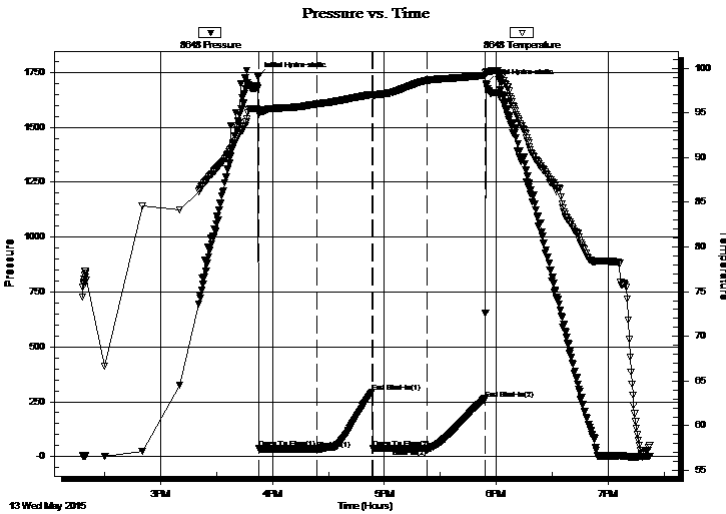
Serial #: 8648

Inside

Press@RunDepth: 36.80 psig @ 3466.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.05.13 End Date: 2015.05.13 Last Calib.: 2015.05.13
 Start Time: 14:18:05 End Time: 19:22:14 Time On Btm: 2015.05.13 @ 15:52:15
 Time Off Btm: 2015.05.13 @ 17:54:30

TEST COMMENT: 30 - IF- 1/4" blow
 30 - IS- No return
 30 - FF- No blow
 30 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.32	95.38	Initial Hydro-static
1	36.43	94.85	Open To Flow (1)
32	35.69	95.97	Shut-In(1)
61	293.30	97.06	End Shut-In(1)
62	39.37	96.90	Open To Flow (2)
91	36.80	98.64	Shut-In(2)
122	262.62	99.20	End Shut-In(2)
123	1700.19	99.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil spots, 100%M	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
Job Ticket: 62709 **DST#: 3**
Test Start: 2015.05.13 @ 14:18:00

Tool Information

Drill Pipe:	Length: 3159.00 ft	Diameter: 3.80 inches	Volume: 44.31 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 46.59 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3459.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	85.00 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			3440.00	
Shut In Tool	5.00			3445.00	
Hydraulic tool	5.00			3450.00	
Packer	5.00			3455.00	20.00 Bottom Of Top Packer
Packer	4.00			3459.00	
Stubb	1.00			3460.00	
Anchor	5.00			3465.00	
Change Over Sub	1.00			3466.00	
Recorder	0.00	8648	Inside	3466.00	
Recorder	0.00	8940	Outside	3466.00	
Drill Pipe	31.00			3497.00	
Change Over Sub	1.00			3498.00	
Anchor	23.00			3521.00	
Bullnose	3.00			3524.00	65.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
Job Ticket: 62709 **DST#: 3**
Test Start: 2015.05.13 @ 14:18:00

Mud and Cushion Information

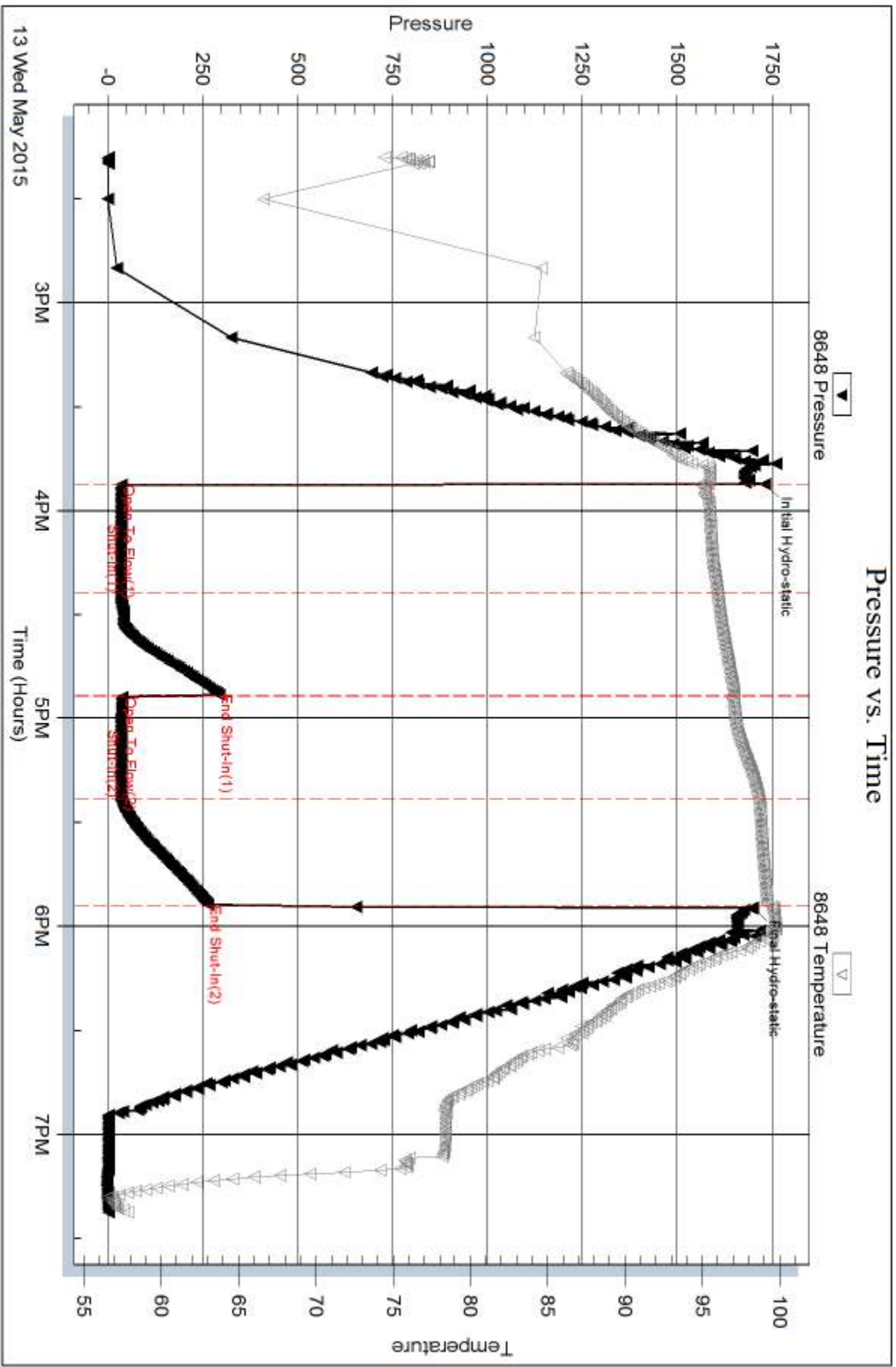
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.50 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - Oil spots, 100%M	0.037

Total Length: 5.00 ft Total Volume: 0.037 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

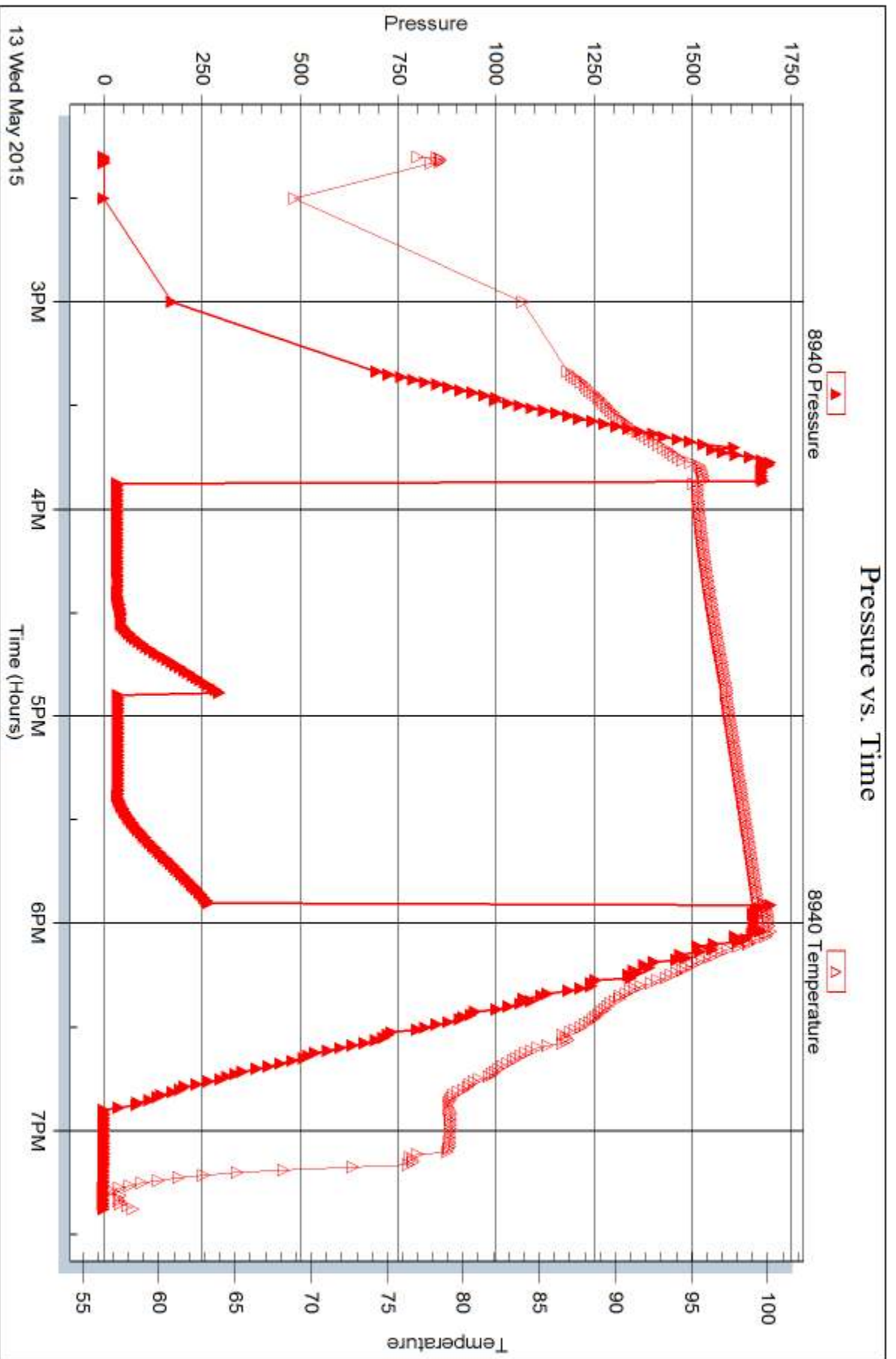


Serial #: 8940

Outside American Warrior Inc

Harper #1-10

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 62709

Printed: 2015.05.15 @ 08:56:02



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Marc Downing

Harper #1-10

10-10s-19w Rooks KS

Start Date: 2015.05.14 @ 08:06:00

End Date: 2015.05.14 @ 15:03:00

Job Ticket #: 62710 DST #: 4

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

Printed: 2015.05.15 @ 08:55:15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

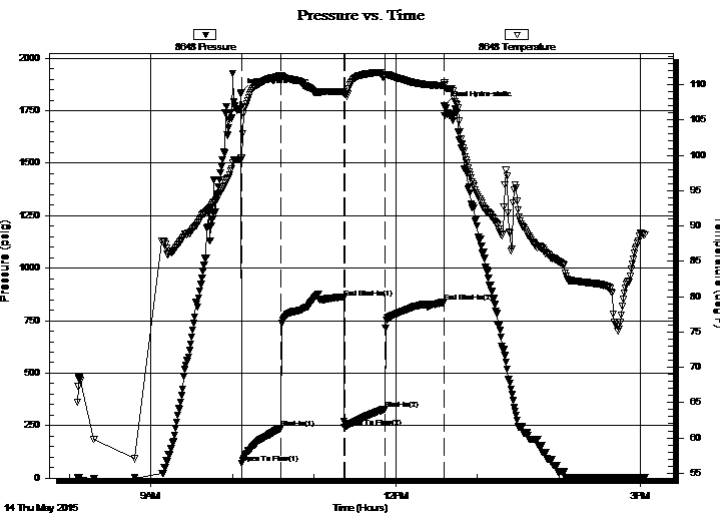
10-10s-19w Rooks KS
Harper #1-10
Job Ticket: 62710 **DST#: 4**
Test Start: 2015.05.14 @ 08:06:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:06:45
Time Test Ended: 15:03:00
Interval: **3599.00 ft (KB) To 3658.00 ft (KB) (TVD)**
Total Depth: 3658.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2128.00 ft (KB)
2120.00 ft (CF)
KB to GR/CF: 8.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 73

Serial #: 8648 Inside
Press@RunDepth: 330.40 psig @ 3605.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.05.14 End Date: 2015.05.14 Last Calib.: 2015.05.14
Start Time: 08:06:05 End Time: 15:02:59 Time On Btm: 2015.05.14 @ 10:06:15
Time Off Btm: 2015.05.14 @ 12:35:45

TEST COMMENT: 30 - IF- B.O.B. in 4 minutes
45 - IS- No return
30 - FF- B.O.B. in 9 minutes
45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.41	99.66	Initial Hydro-static
1	70.93	99.57	Open To Flow (1)
29	238.58	111.21	Shut-In(1)
76	859.87	109.03	End Shut-In(1)
76	242.50	108.64	Open To Flow (2)
106	330.40	111.21	Shut-In(2)
150	838.35	109.80	End Shut-In(2)
150	1772.52	110.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	OCMW, 20%M, 20%O, 60%W	1.37
310.00	GHOCM, 20%O, 30%G, 50%M	3.52
248.00	MCO, 40%O, 60%M	3.48
0.00	30' G.I.P.	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

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Marc Downing

10-10s-19w Rooks KS
Harper #1-10
Job Ticket: 62710 **DST#: 4**
Test Start: 2015.05.14 @ 08:06:00

Tool Information

Drill Pipe:	Length: 3285.00 ft	Diameter: 3.80 inches	Volume: 46.08 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.75 inches	Volume: 2.28 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 48.36 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3599.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 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
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Change Over Sub	1.00			3580.00	
Shut In Tool	5.00			3585.00	
Hydraulic tool	5.00			3590.00	
Packer	5.00			3595.00	20.00 Bottom Of Top Packer
Packer	4.00			3599.00	
Stubb	1.00			3600.00	
Anchor	4.00			3604.00	
Change Over Sub	1.00			3605.00	
Recorder	0.00	8648	Inside	3605.00	
Recorder	0.00	8940	Outside	3605.00	
Drill Pipe	31.00			3636.00	
Change Over Sub	1.00			3637.00	
Anchor	18.00			3655.00	
Bullnose	3.00			3658.00	59.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

10-10s-19w Rooks KS

PO Box 399
Garden City KS 67846

Harper #1-10

Job Ticket: 62710

DST#: 4

ATTN: Marc Downing

Test Start: 2015.05.14 @ 08:06:00

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: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4250.00 ppm

Filter Cake: 2.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	OCMW, 20%M, 20%O, 60%W	1.366
310.00	GHOCM, 20%O, 30%G, 50%M	3.520
248.00	MCO, 40%O, 60%M	3.479
0.00	30' G.I.P.	0.000

Total Length: 744.00 ft

Total Volume: 8.365 bbl

Num Fluid Samples: 0

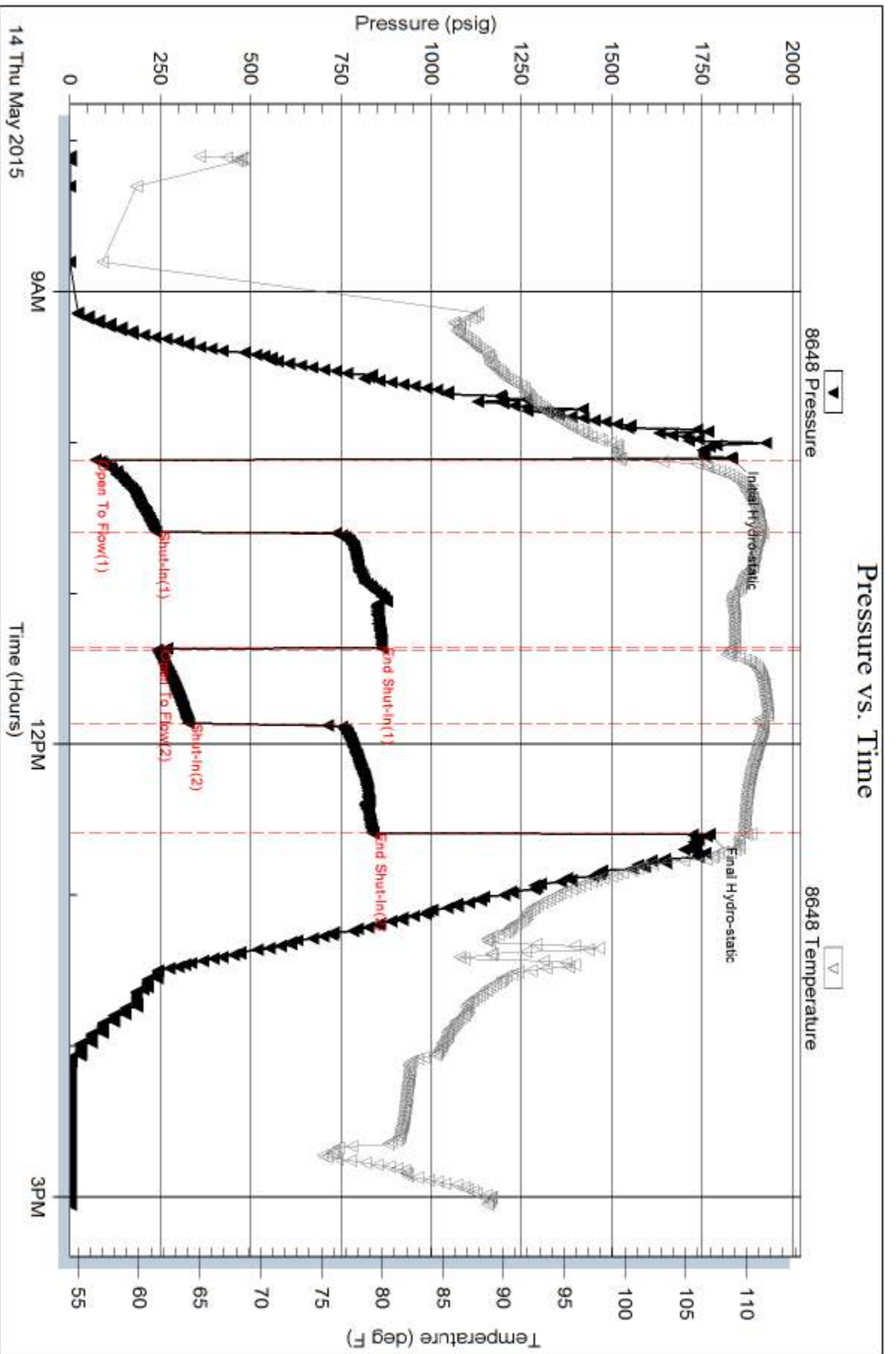
Num Gas Bombs: 0

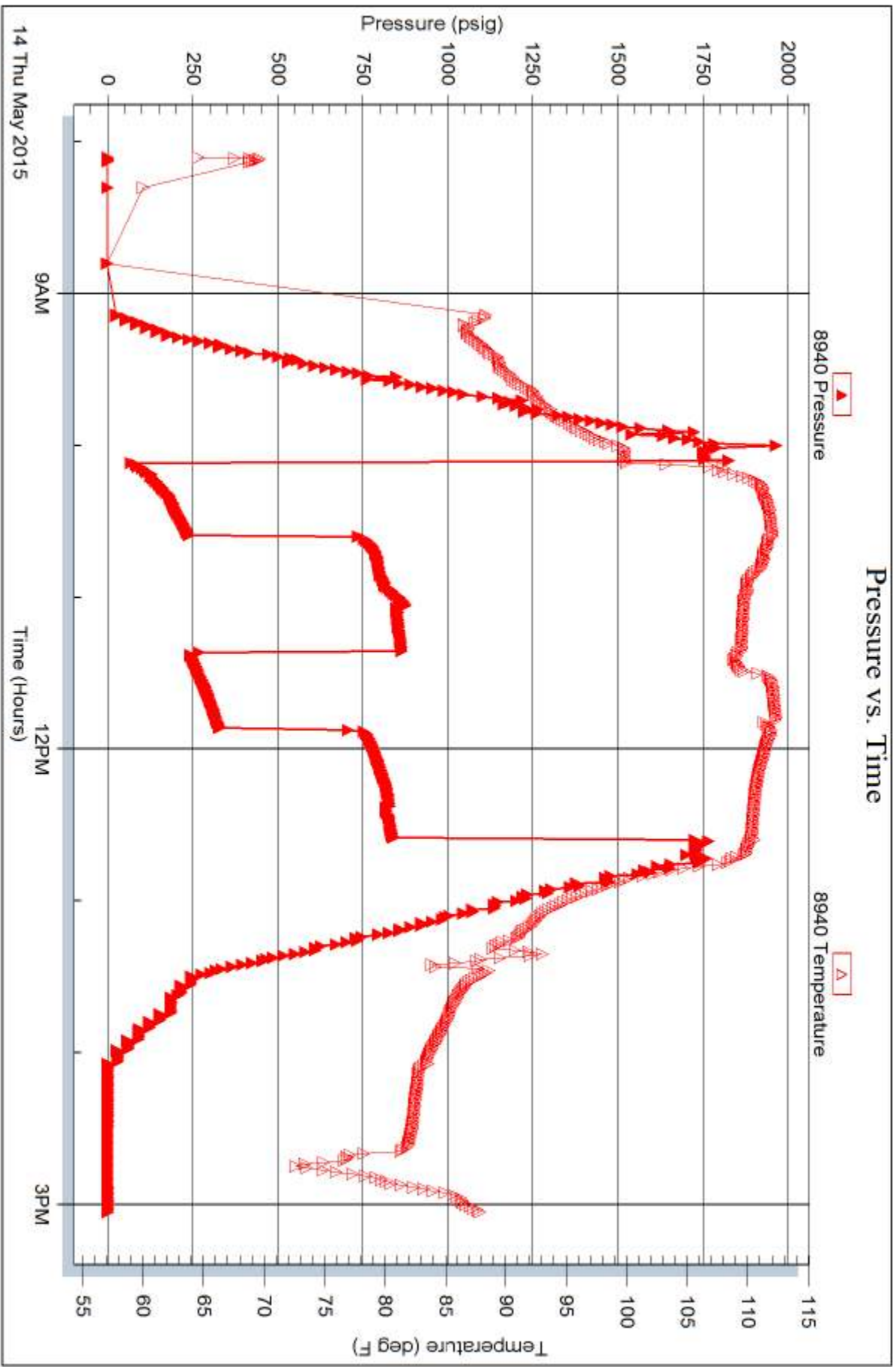
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





14 Thu May 2015

Time (Hours)



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62707

Well Name & No. Harper 1-10 Test No. 1 Date 5-12-15
 Company American Warrior Inc Elevation 2128 KB 2120 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Marc Downing Rig Discovery # 2
 Location: Sec. 10 Twp. 10s Rge. 19w Co. Rooks State KS

Interval Tested 3365-3403 Zone Tested LKC "C-D"
 Anchor Length 38' Drill Pipe Run 3066 Mud Wt. 8.7
 Top Packer Depth 3360 Drill Collars Run ~~300~~ — Vis 50
 Bottom Packer Depth 3365 Wt. Pipe Run 310 — WL 7.6
 Total Depth 3403 Chlorides 4250 ppm System LCM 2 1/2
 Blow Description IF-3" blow
ISI - No return
FF-3.5" blow
FSI - No return

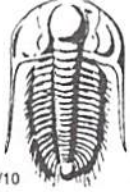
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud-oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20' BHT 101° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1657</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0255</u>
(B) First Initial Flow <u>34</u>	<input type="checkbox"/> Jars	T-Started <u>0325</u>
(C) First Final Flow <u>40</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0606</u>
(D) Initial Shut-In <u>137</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0907</u>
(E) Second Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Hourly Standby <u>320</u>	T-Out <u>1625</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>64RT</u> <u>64</u>	Comments <u>Turbo on rig went</u>
(G) Final Shut-In <u>124</u>	<input type="checkbox"/> Sampler	<u>out @ 9:10am - Fixed</u>
(H) Final Hydrostatic <u>1616</u>	<input type="checkbox"/> Straddle	<u>@ 1445</u>
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1434</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1434</u>	

Approved By _____ Our Representative Cody Bloedorn

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. 62708

Well Name & No. Harper 1-10 Test No. 2 Date 5-12-15
 Company American Warrior Inc Elevation 2128 KB 2120 GL
 Address Po Box 399, Garden City, KS, 67846
 Co. Rep / Geo. Marc Downing Rig Discovery #2
 Location: Sec. 10 Twp. 10S Rge. 19W Co. Rooks State KS

Interval Tested 3402-3430 Zone Tested LKC "E-F"
 Anchor Length 28' Drill Pipe Run 3095' Mud Wt. 9
 Top Packer Depth 3397 Drill Collars Run — Vis 58
 Bottom Packer Depth 3402 Wt. Pipe Run 310' WL 8.8
 Total Depth 3430 Chlorides 3 ppm System LCM 4500

Blow Description IF - B.O.B. in 20 minutes, die
ISI - surface return, died in 12 minutes
FF - ~~blow~~ ~~blow~~ 5" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>WM</u>		<u>20</u>	<u>80</u>	
<u>186</u>	<u>MW</u>		<u>90</u>	<u>10</u>	
<u>62</u>	<u>MW</u>		<u>60</u>	<u>40</u>	

Rec Total 310 BHT 103° Gravity — API RW .28 @ 60° F Chlorides 27,000 ppm

(A) Initial Hydrostatic 1666 Test 1050 T-On Location ~~1029~~ 2243
 (B) First Initial Flow 22 Jars — T-Started 2308
 (C) First Final Flow 128 Safety Joint — T-Open 1223
 (D) Initial Shut-In 168 Circ Sub — T-Pulled 0323
 (E) Second Initial Flow 135 Hourly Standby — T-Out 0505
 (F) Second Final Flow 161 Mileage 64RT 64
 (G) Final Shut-In 171 Sampler —
 (H) Final Hydrostatic 1616 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —

Initial Open 45 Extra Packer — Extra Copies —
 Initial Shut-In 45 Extra Recorder — Sub Total 0
 Final Flow 45 Day Standby — Total 1114
 Final Shut-In 45 Accessibility — MP/DST Disc't —
 Sub Total 1114

Approved By _____ Our Representative Cody [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62709

Well Name & No. Harper 1-10 Test No. 3 Date 5-13-15
 Company American Warrior Inc Elevation 2128 KB 2/20 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Marc Downing Rig Discovering #2
 Location: Sec. 10 Twp. 105 Rge. 19W Co. Rooks State KS

Interval Tested 3459-3524 Zone Tested LKC "H-J"
 Anchor Length 65' Drill Pipe Run 3159 Mud Wt. 9.1
 Top Packer Depth 3454 Drill Collars Run — Vis 53
 Bottom Packer Depth 3459 Wt. Pipe Run 310 WL 9.2
 Total Depth 3524 Chlorides 4,000 ppm System LCM 1.5

Blow Description IF - 1/4" blow
ISI - No return
FF - No blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud-oil spots</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 5' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1731</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1408</u>
(B) First Initial Flow <u>36</u>	<input type="checkbox"/> Jars _____	T-Started <u>1418</u>
(C) First Final Flow <u>35</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>1552</u>
(D) Initial Shut-In <u>293</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1752</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1923</u>
(F) Second Final Flow <u>36</u>	<input checked="" type="checkbox"/> Mileage <u>64RT</u> <u>64</u>	Comments _____
(G) Final Shut-In <u>262</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1700</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1114</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1114</u>	

Approved By _____ Our Representative Cody B...

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.



Well Name & No. Harper 1-10 Test No. 4 Date 5-14-15
 Company American Warrior Inc Elevation 2128 KB 2120 GL
 Address Po Box 399, Garden City KS, 67846
 Co. Rep / Geo. Marc Downing Rig Discovery #2
 Location: Sec. 10 Twp. 105 Rge. 19w Co. ROOKS State KS

Interval Tested 3599-3658 Zone Tested Arbuckle
 Anchor Length 59 Drill Pipe Run 3285 Mud Wt. 9.1
 Top Packer Depth 3594 Drill Collars Run — Vis 53
 Bottom Packer Depth 3579 Wt. Pipe Run 2310' WL 9.2
 Total Depth 3658 Chlorides 4,000 ppm System LCM 1.5

Blow Description IF - @ B.O.B. in 4 minutes
ISI - No return
FF - B.O.B. in 9 minutes
FSF - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>OCMW</u>	<u>20</u>	<u>60</u>	<u>20</u>	
<u>310</u>	<u>GHO CM</u>	<u>30</u>	<u>20</u>	<u>50</u>	
<u>248</u>	<u>MCO</u>	<u>40</u>		<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 744' BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>1834</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0800</u>
(B) First Initial Flow <u>70</u>	<input type="checkbox"/> Jars	T-Started <u>0806</u>
(C) First Final Flow <u>283</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1007</u>
(D) Initial Shut-In <u>859</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1237</u>
(E) Second Initial Flow <u>242</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1503</u>
(F) Second Final Flow <u>330</u>	<input checked="" type="checkbox"/> Mileage <u>64 RT</u> 64	Comments
(G) Final Shut-In <u>838</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1772</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1114</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1114</u>	

Approved By _____ Our Representative Cody Black

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.