



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd
Garden City KS 67846

ATTN: Marc Downing/ Cecil

Slaughter #1-7

S7-13S-19W Ellis,KS

Start Date: 2017.01.10 @ 22:11:00

End Date: 2017.01.11 @ 04:27:30

Job Ticket #: 61874 DST #: 1

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

Printed: 2017.01.17 @ 08:40:04

American Warrior Inc. S7-13S-19W Ellis,KS Slaughter #1-7 DST # 1 LKC E-F 2017.01.10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 61874

DST#: 1

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.10 @ 22:11:00

GENERAL INFORMATION:

Formation: **LKC 'E-F'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:54:15

Time Test Ended: 04:27:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J. Staab

Unit No: 84

Interval: 3543.00 ft (KB) To 3572.00 ft (KB) (TVD)

Reference Elevations: 2147.00 ft (KB)

Total Depth: 3572.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8368

Inside

Press@RunDepth: 19.77 psig @ 3544.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.10

End Date:

2017.01.11

Last Calib.: 2017.01.11

Start Time: 22:11:15

End Time:

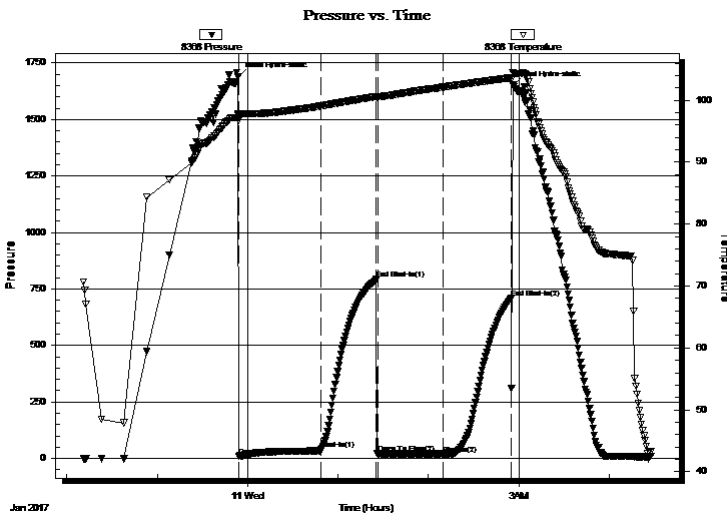
04:27:30

Time On Btm: 2017.01.10 @ 23:54:00

Time Off Btm: 2017.01.11 @ 02:56:15

TEST COMMENT: 45-IF-Very Weak Blow ; Built to 1 and 1/4"
45-ISI-No Blow Back
45-FF-Very Weak Surface Blow ; approximately 1/8"
45-FSI-No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.76	97.74	Initial Hydro-static
1	9.98	96.73	Open To Flow (1)
55	39.85	99.10	Shut-In(1)
92	792.08	100.62	End Shut-In(1)
93	20.42	100.54	Open To Flow (2)
136	19.77	102.13	Shut-In(2)
181	708.39	103.65	End Shut-In(2)
183	1648.71	104.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100% M	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 61874

DST#: 1

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.10 @ 22:11:00

Tool Information

Drill Pipe:	Length: 3254.00 ft	Diameter: 3.80 inches	Volume: 45.65 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 278.00 ft	Diameter: 2.50 inches	Volume: 1.69 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 47.34 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3543.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3524.00	
Shut In Tool	5.00			3529.00	
Hydraulic tool	5.00			3534.00	
Packer	5.00			3539.00	20.00 Bottom Of Top Packer
Packer	4.00			3543.00	
Stubb	1.00			3544.00	
Recorder	0.00	9120	Outside	3544.00	
Recorder	0.00	8368	Inside	3544.00	
Perforations	24.00			3568.00	
Bullnose	4.00			3572.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 61874

DST#: 1

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.10 @ 22:11:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100% M	0.061

Total Length: 10.00 ft Total Volume: 0.061 bbl

Num Fluid Samples: 0

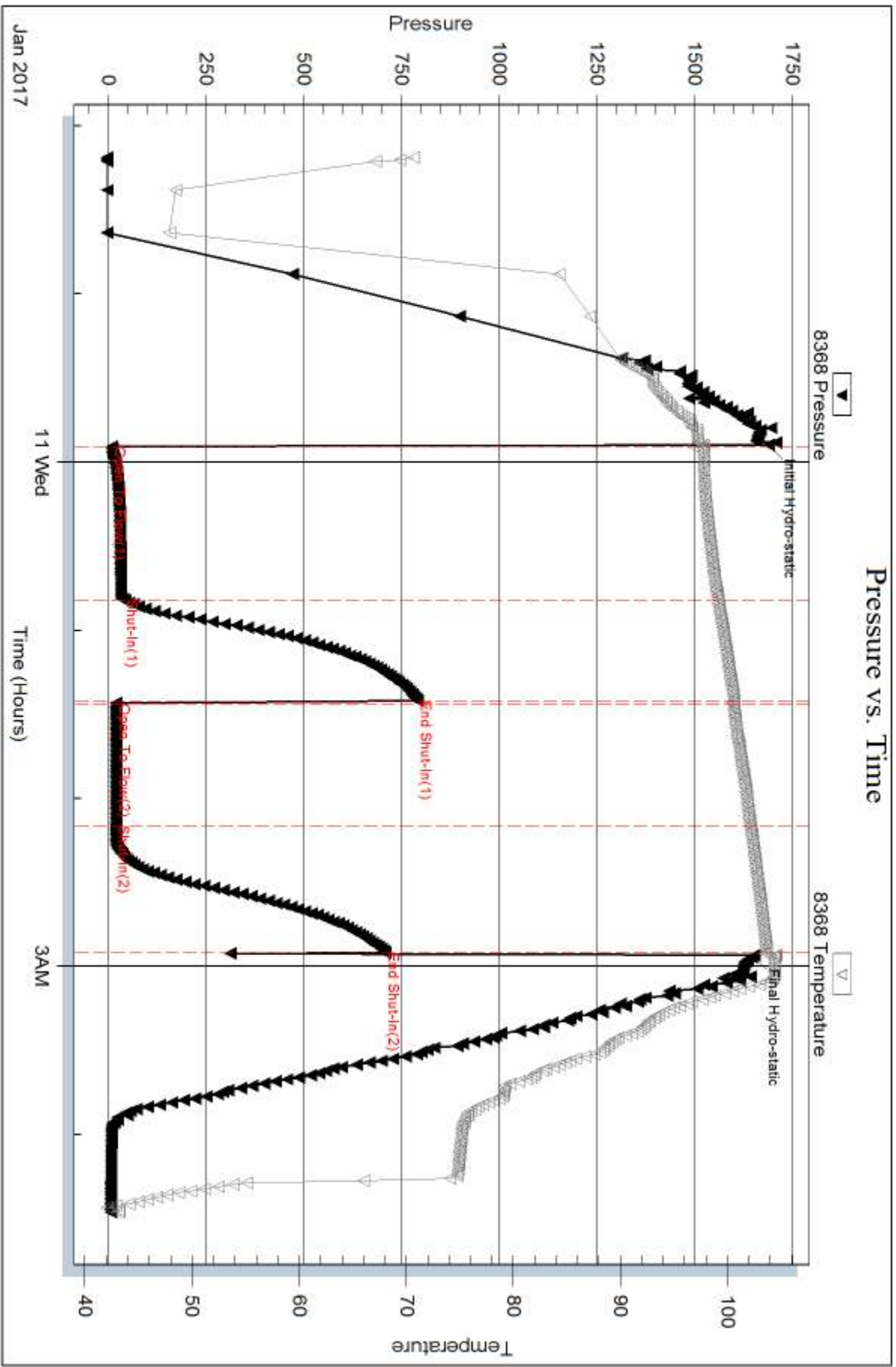
Num Gas Bombs: 0

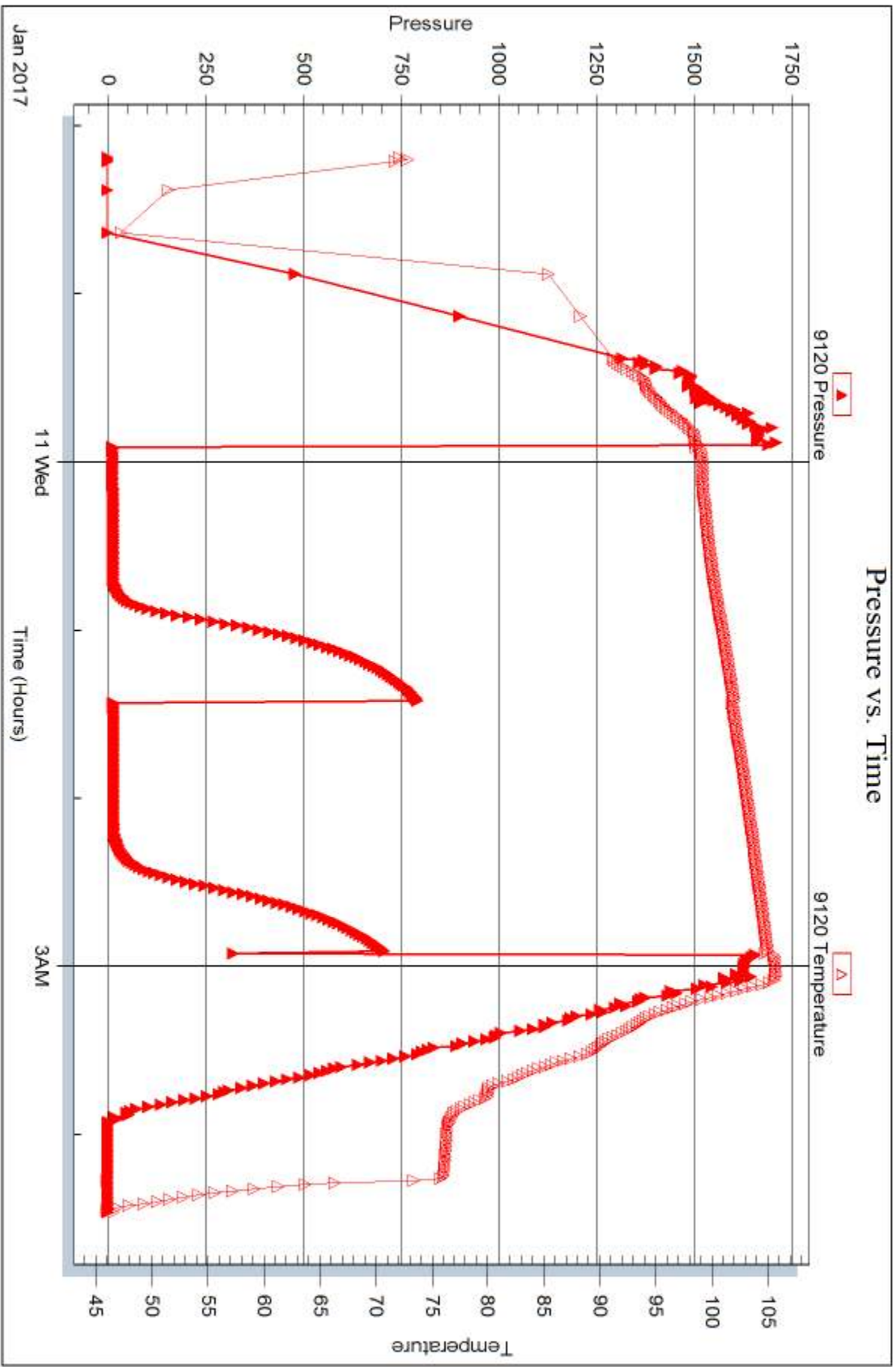
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd
Garden City KS 67846

ATTN: Marc Downing/ Cecil

Slaughter #1-7

S7-13S-19W Ellis,KS

Start Date: 2017.01.12 @ 00:24:00

End Date: 2017.01.12 @ 09:22:45

Job Ticket #: 61875 DST #: 2

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

Printed: 2017.01.17 @ 08:39:37



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 61875

DST#: 2

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.12 @ 00:24:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:49:00

Time Test Ended: 09:22:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 3779.00 ft (KB) To 3814.00 ft (KB) (TVD)

Reference Elevations: 2147.00 ft (KB)

Total Depth: 3814.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8368

Inside

Press@RunDepth: 31.34 psig @ 3780.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.12

End Date:

2017.01.12

Last Calib.:

2017.01.12

Start Time: 00:24:15

End Time:

09:22:45

Time On Btm:

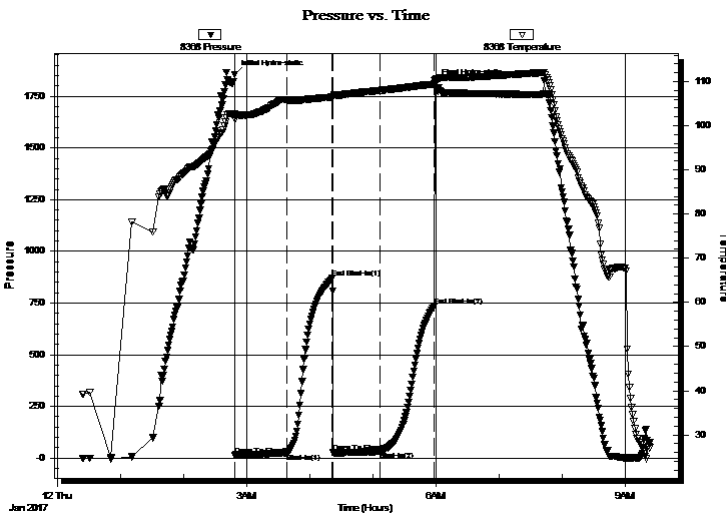
2017.01.12 @ 02:48:45

Time Off Btm:

2017.01.12 @ 05:58:30

TEST COMMENT: 45-IF-Weak Surface Blow ; Built slowly to 1 3/4"
45-ISI-No Blow Back
45-FF-Very Weak Surface Blow ; Built to 3/4"
45-FSI-No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.63	102.63	Initial Hydro-static
1	12.74	101.50	Open To Flow (1)
50	24.93	105.82	Shut-In(1)
93	869.53	106.50	End Shut-In(1)
94	26.39	106.55	Open To Flow (2)
139	31.34	108.00	Shut-In(2)
190	735.74	109.42	End Shut-In(2)
190	1809.96	110.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Clean Oil 100%O	0.06
20.00	OCM 5% O 95% M	0.12

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.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 61875

DST#: 2

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.12 @ 00:24:00

Tool Information

Drill Pipe:	Length: 3503.00 ft	Diameter: 3.80 inches	Volume: 49.14 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 278.00 ft	Diameter: 2.50 inches	Volume: 1.69 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 50.83 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3779.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3752.00	
Shut In Tool	5.00			3757.00	
Hydraulic tool	5.00			3762.00	
Jars	5.00			3767.00	
Safety Joint	3.00			3770.00	
Packer	5.00			3775.00	28.00 Bottom Of Top Packer
Packer	4.00			3779.00	
Stubb	1.00			3780.00	
Recorder	0.00	9120	Outside	3780.00	
Recorder	0.00	8368	Inside	3780.00	
Perforations	30.00			3810.00	
Bullnose	4.00			3814.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 61875

DST#: 2

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.12 @ 00:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Clean Oil 100%O	0.061
20.00	OCM 5% O 95% M	0.121

Total Length: 30.00 ft Total Volume: 0.182 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

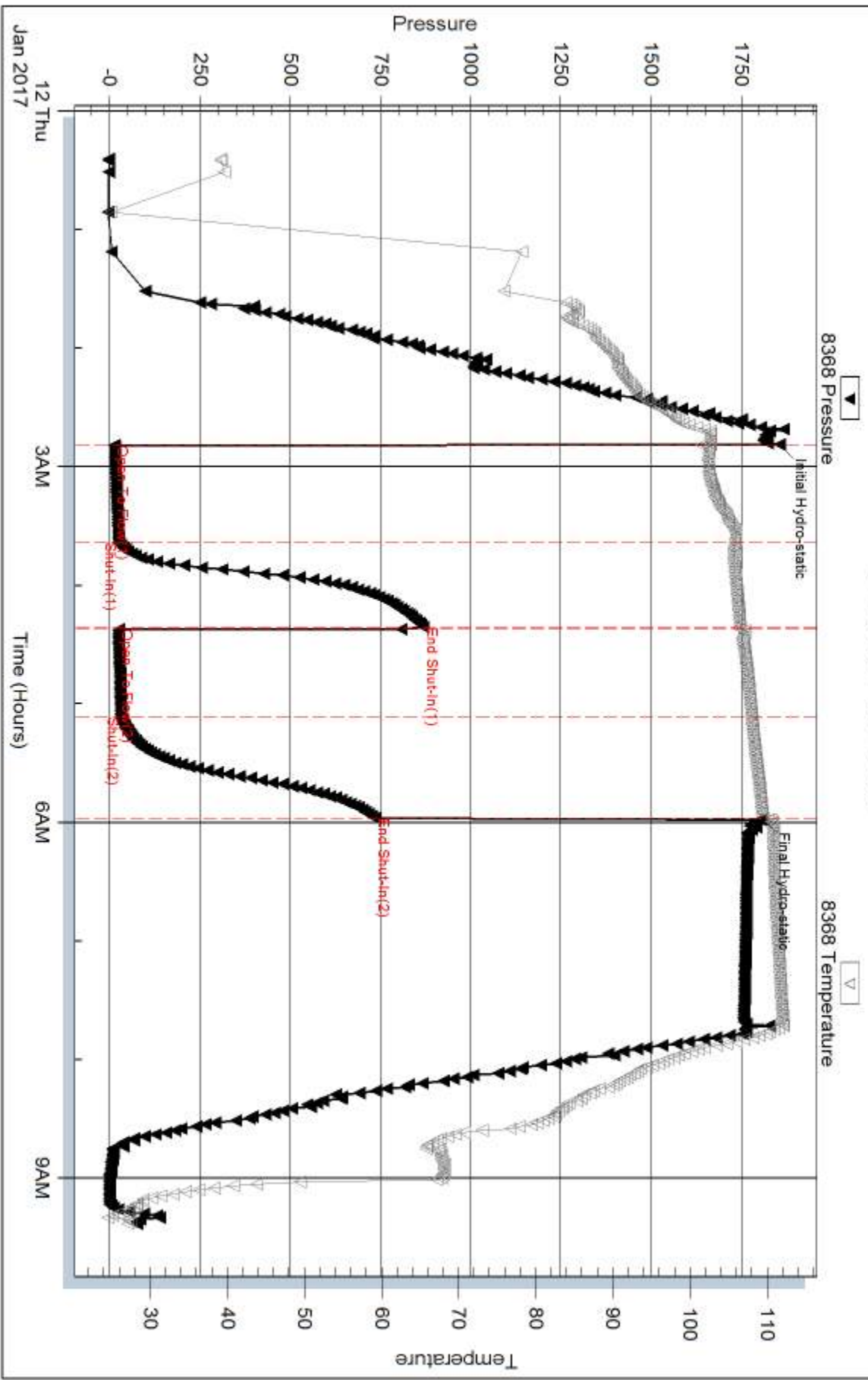
Serial #:

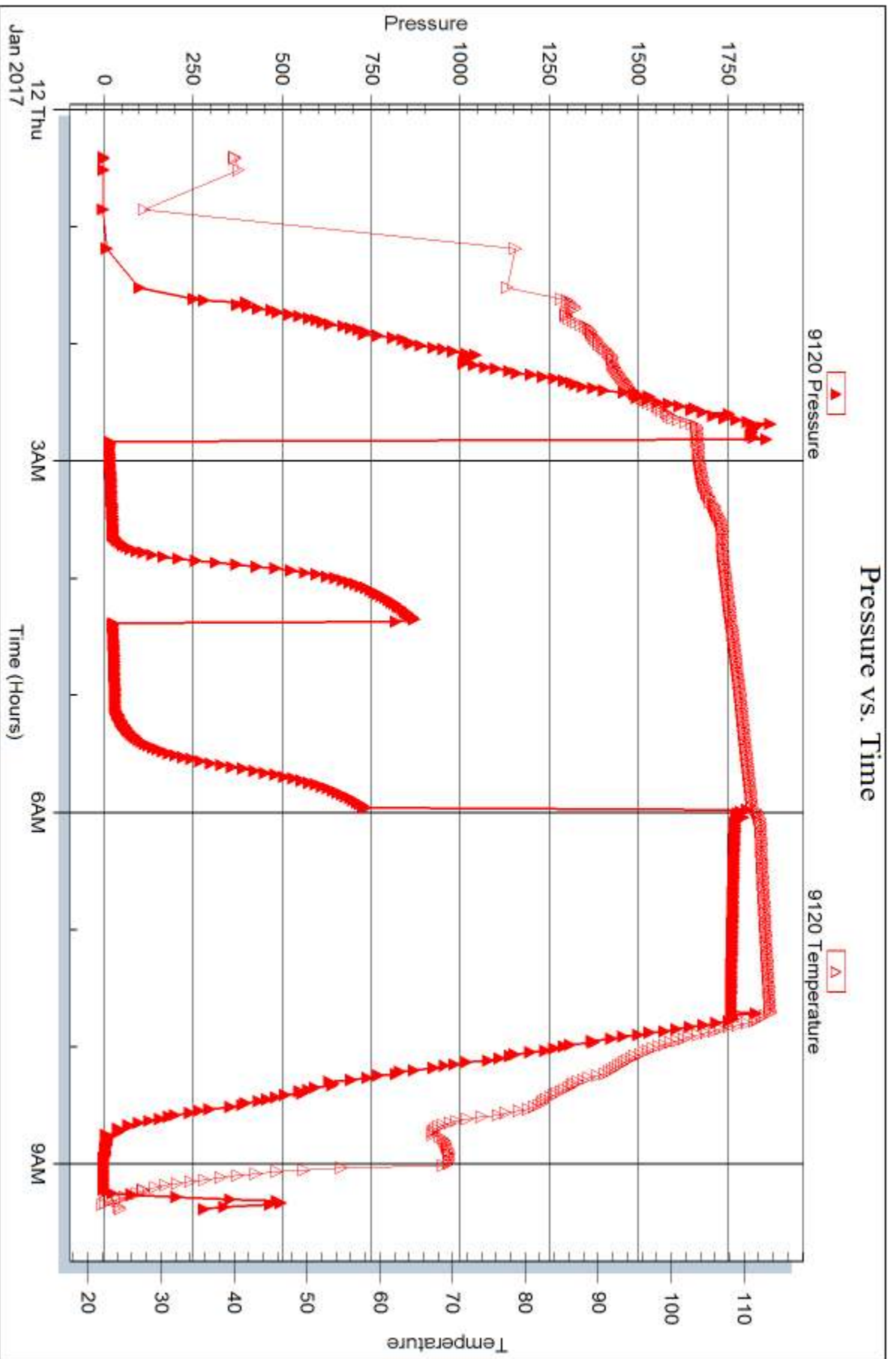
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd
Garden City KS 67846

ATTN: Marc Downing/ Cecil

Slaughter #1-7

S7-13S-19W Ellis,KS

Start Date: 2017.01.12 @ 15:26:00

End Date: 2017.01.12 @ 21:31:45

Job Ticket #: 64658 DST #: 3

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

Printed: 2017.01.17 @ 08:39:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64658

DST#: 3

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.12 @ 15:26:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:58:15

Time Test Ended: 21:31:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: **3778.00 ft (KB) To 3826.00 ft (KB) (TVD)**

Reference Elevations: 2147.00 ft (KB)

Total Depth: 3826.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8368 Inside

Press@RunDepth: 36.01 psig @ 3783.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.12 End Date: 2017.01.12

Last Calib.: 2017.01.12

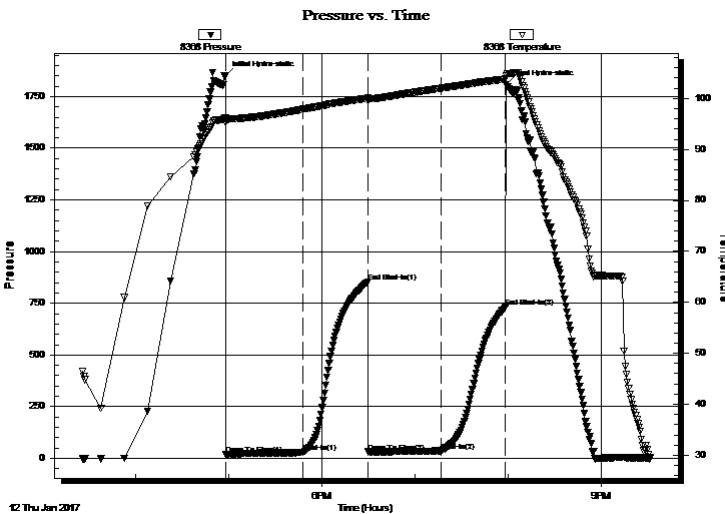
Start Time: 15:26:15 End Time: 21:31:45

Time On Btm: 2017.01.12 @ 16:58:00

Time Off Btm: 2017.01.12 @ 19:59:00

TEST COMMENT: 45-IF-Fair Blow ; Built from 1/4" to 3 1/2"
45-ISI-Very Weak Surface Blow thru out
45-FF-Weak Blow ; Built from 1/8' to 1 3/4"
45-FSI-No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1850.50	96.15	Initial Hydro-static
1	17.98	95.26	Open To Flow (1)
51	28.38	97.87	Shut-In(1)
92	852.42	100.03	End Shut-In(1)
93	30.56	99.60	Open To Flow (2)
139	36.01	101.98	Shut-In(2)
181	731.75	103.78	End Shut-In(2)
181	1808.98	104.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Clean Oil 100% O	0.12
20.00	OCM 10% O 90% M	0.12

* 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.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64658

DST#: 3

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.12 @ 15:26:00

Tool Information

Drill Pipe:	Length: 3510.00 ft	Diameter: 3.80 inches	Volume: 49.24 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 278.00 ft	Diameter: 2.50 inches	Volume: 1.69 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 50.93 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3778.00 ft			Final	57000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	5.00			3774.00	20.00 Bottom Of Top Packer
Packer	4.00			3778.00	
Stubb	1.00			3779.00	
Perforations	4.00			3783.00	
Recorder	0.00	9120	Outside	3783.00	
Recorder	0.00	8368	Inside	3783.00	
Perforations	5.00			3788.00	
Change Over Sub	1.00			3789.00	
Drill Pipe	32.00			3821.00	
Change Over Sub	1.00			3822.00	
Bullnose	4.00			3826.00	48.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64658

DST#: 3

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.12 @ 15:26:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Clean Oil 100% O	0.121
20.00	OCM 10% O 90% M	0.121

Total Length: 40.00 ft Total Volume: 0.242 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

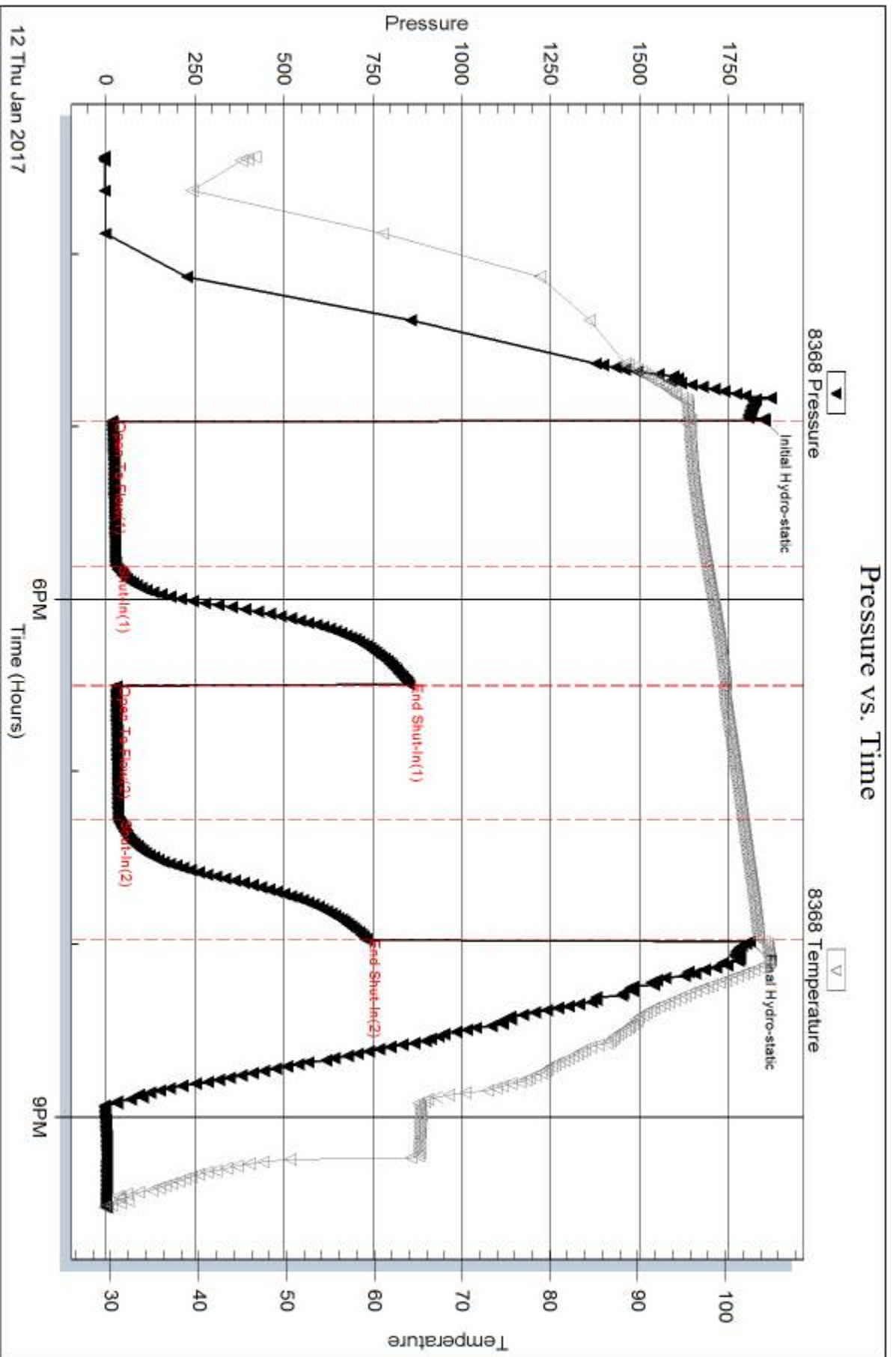
Serial #: 8368

Inside

American Warrior Inc.

Slaughter #1-7

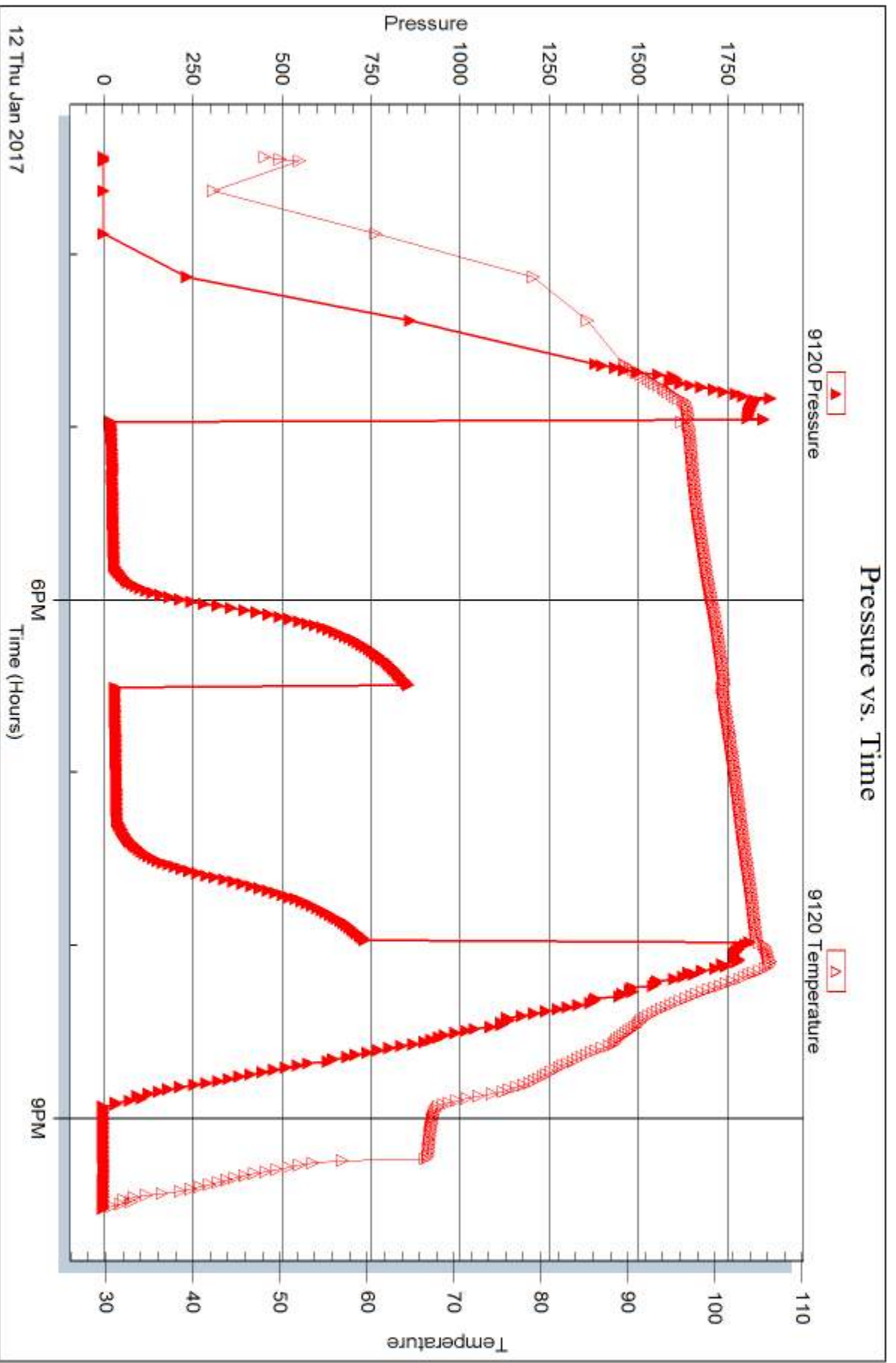
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64658

Printed: 2017.01.17 @ 08:39:13





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd
Garden City KS 67846

ATTN: Marc Downing/ Cecil

Slaughter #1-7

S7-13S-19W Ellis,KS

Start Date: 2017.01.13 @ 12:24:00

End Date: 2017.01.13 @ 18:36:30

Job Ticket #: 64659 DST #: 4

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

Printed: 2017.01.17 @ 08:38:39



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64659

DST#: 4

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.13 @ 12:24:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:30

Time Test Ended: 18:36:30

Test Type: Conventional Straddle (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 3793.00 ft (KB) To 3839.00 ft (KB) (TVD)

Reference Elevations: 2147.00 ft (KB)

Total Depth: 3926.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8368

Inside

Press@RunDepth: 46.93 psig @ 3797.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.13

End Date:

2017.01.13

Last Calib.:

2017.01.13

Start Time: 12:24:15

End Time:

18:36:30

Time On Btm:

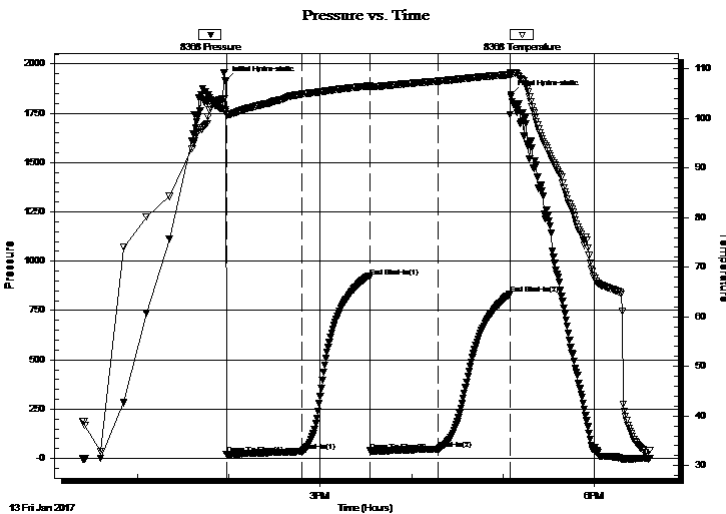
2017.01.13 @ 13:58:15

Time Off Btm:

2017.01.13 @ 17:05:00

TEST COMMENT: 45-IF-Fair Blow ; Built to 3 1/2"
45-ISI-Very Weak Surface Blow ; Built to 1/8"
45-FF-Weak Blow ; Built to 2"
45-FSI-No Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.48	101.42	Initial Hydro-static
1	19.84	100.72	Open To Flow (1)
50	35.33	104.93	Shut-In(1)
94	918.34	106.54	End Shut-In(1)
95	38.48	106.21	Open To Flow (2)
140	46.93	107.52	Shut-In(2)
186	833.23	108.82	End Shut-In(2)
187	1845.59	108.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	OCM 5% O 95% M	0.24
30.00	OCM 25% O 75% M	0.18
5.00	Clean Oil 100% O	0.03

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.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64659

DST#: 4

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.13 @ 12:24:00

Tool Information

Drill Pipe:	Length: 3516.00 ft	Diameter: 3.80 inches	Volume: 49.32 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 278.00 ft	Diameter: 2.50 inches	Volume: 1.69 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 51.01 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3793.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3839.00 ft			
Interval between Packers:	46.00 ft			
Tool Length:	161.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3766.00	
Shut In Tool	5.00			3771.00	
Hydraulic tool	5.00			3776.00	
Jars	5.00			3781.00	
Safety Joint	3.00			3784.00	
Packer	5.00			3789.00	28.00 Bottom Of Top Packer
Packer	4.00			3793.00	
Stubb	1.00			3794.00	
Perforations	2.00			3796.00	
Change Over Sub	1.00			3797.00	
Recorder	0.00	9120	Inside	3797.00	
Recorder	0.00	8368	Inside	3797.00	
Drill Pipe	32.00			3829.00	
Change Over Sub	1.00			3830.00	
Perforations	5.00			3835.00	
Blank Off Sub	1.00			3836.00	
top of s.packer	3.00			3839.00	46.00 Tool Interval
Packer	0.00			3839.00	
Stubb	1.00			3840.00	
Perforations	17.00			3857.00	
Change Over Sub	1.00			3858.00	
Recorder	0.00	8934	Below	3858.00	
Drill Pipe	63.00			3921.00	
Change Over Sub	1.00			3922.00	
Bullnose	4.00			3926.00	87.00 Bottom Packers & Anchor
Total Tool Length:	161.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64659

DST#: 4

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.13 @ 12:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	OCM 5% O 95% M	0.243
30.00	OCM 25% O 75% M	0.182
5.00	Clean Oil 100% O	0.030

Total Length: 75.00 ft Total Volume: 0.455 bbf

Num Fluid Samples: 0

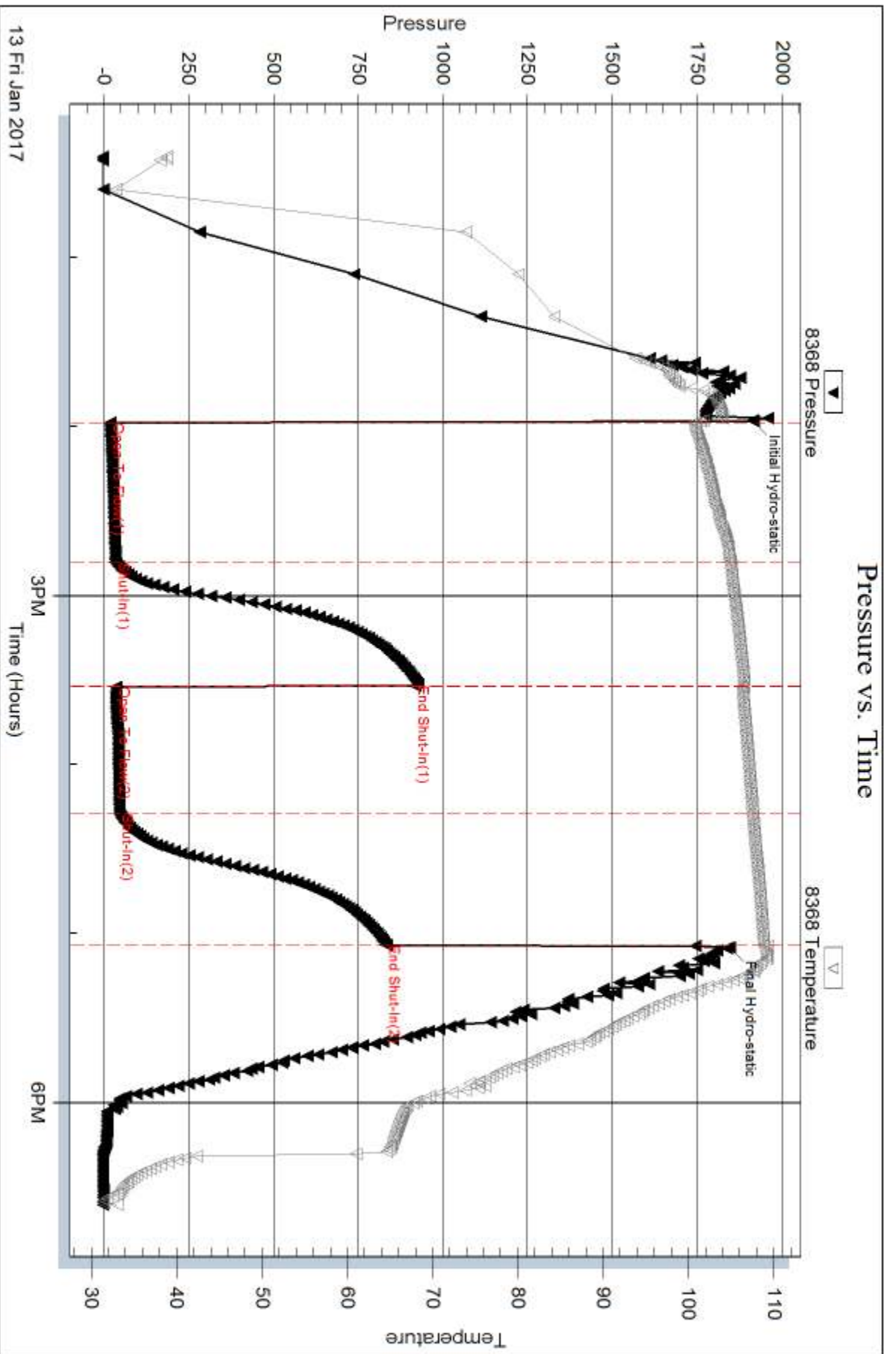
Num Gas Bombs: 0

Serial #:

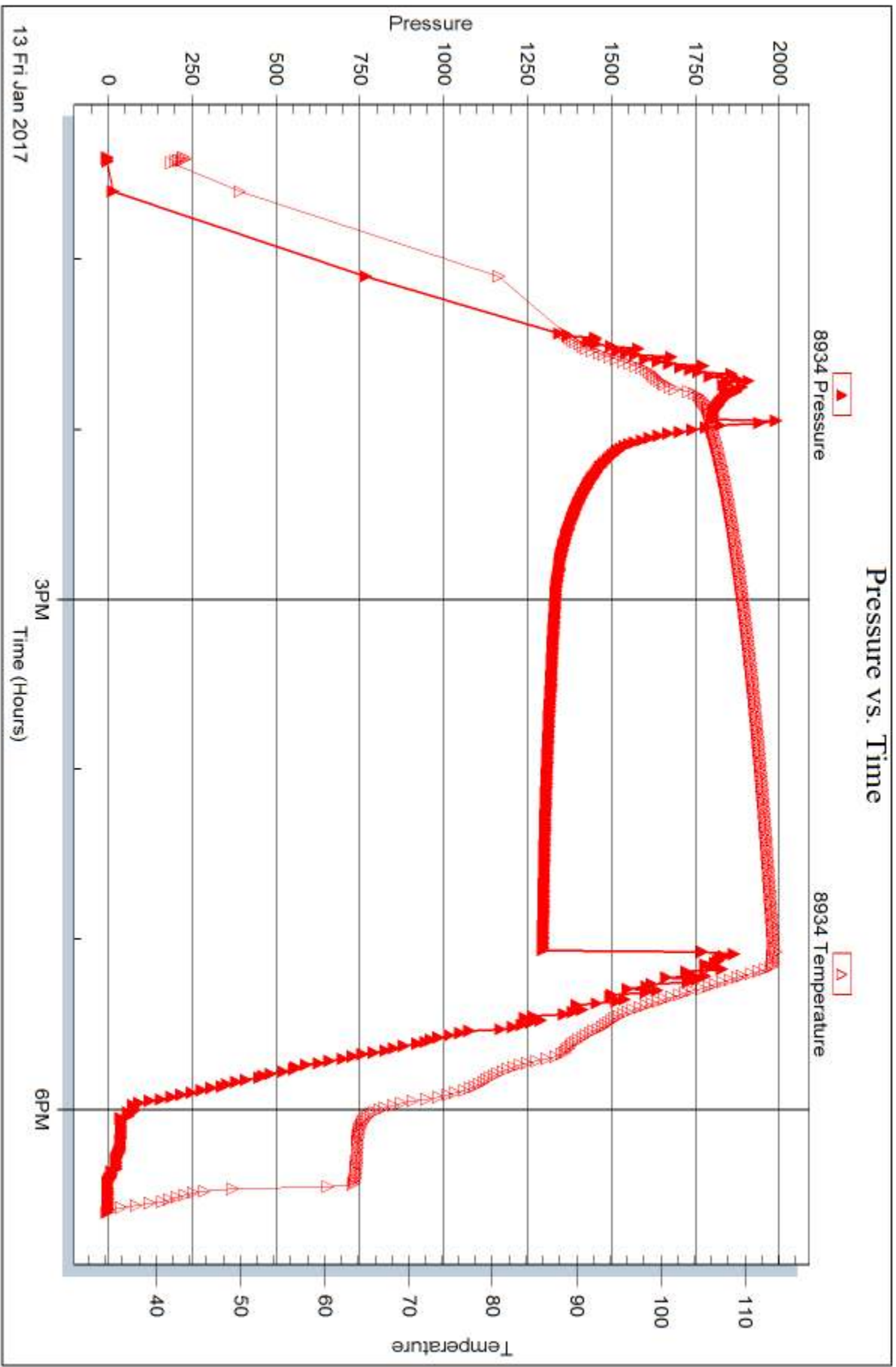
Laboratory Name:

Laboratory Location:

Recovery Comments:



13 Fri Jan 2017



13 Fri Jan 2017

3PM Time (Hours)

6PM

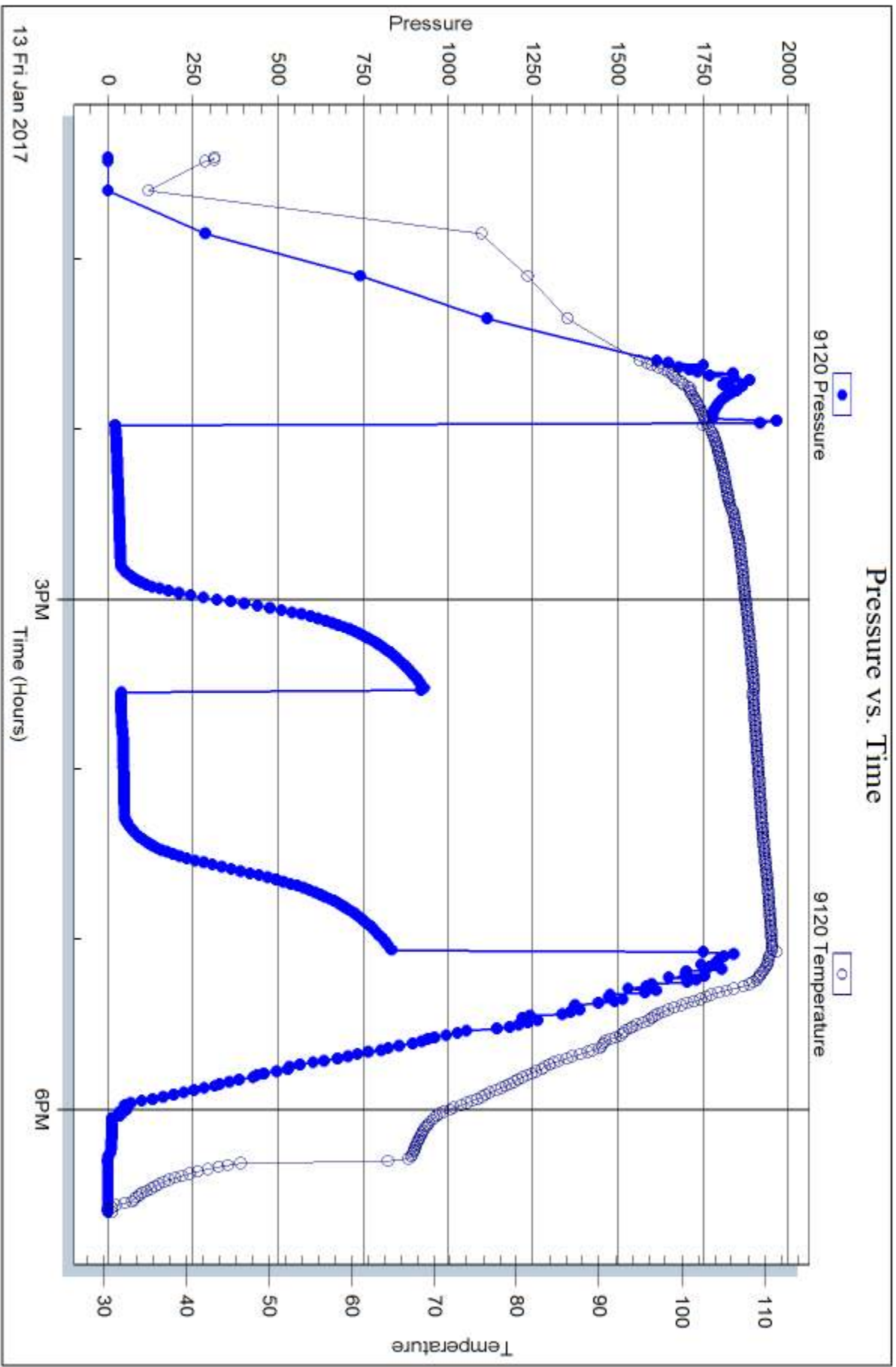
Serial #: 9120

Inside

American Warrior Inc.

Slaughter #1-7

DST Test Number: 4



13 Fri Jan 2017

Triobite Testing, Inc

Ref. No: 64659

Printed: 2017.01.17 @ 08:38:40



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

3118 Cummings Rd
Garden City KS 67846

ATTN: Marc Downing/ Cecil

Slaughter #1-7

S7-13S-19W Ellis,KS

Start Date: 2017.01.13 @ 19:55:00

End Date: 2017.01.14 @ 03:09:00

Job Ticket #: 64660 DST #: 5

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

Printed: 2017.01.17 @ 08:37:28



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64660

DST#: 5

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.13 @ 19:55:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:36:45

Time Test Ended: 03:09:00

Test Type: Conventional Straddle (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 3792.00 ft (KB) To 3848.00 ft (KB) (TVD)

Reference Elevations: 2147.00 ft (KB)

Total Depth: 3926.00 ft (KB) (TVD)

2139.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8368

Inside

Press@RunDepth: 52.66 psig @ 3806.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.01.13

End Date:

2017.01.14

Last Calib.:

2017.01.14

Start Time: 19:55:15

End Time:

03:09:00

Time On Btm:

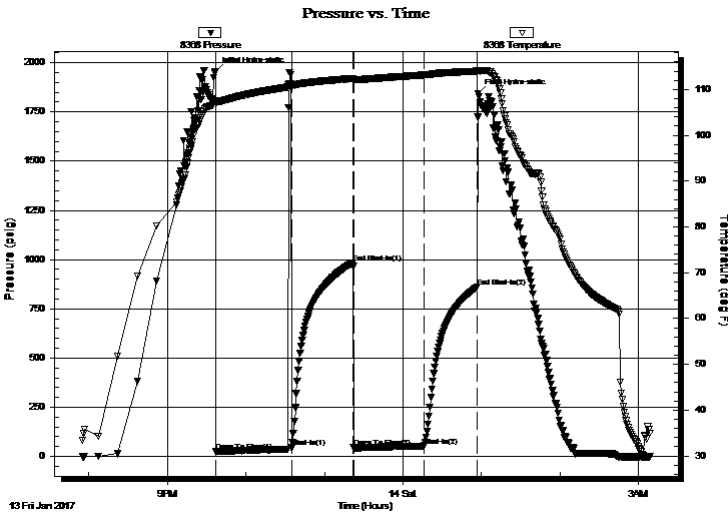
2017.01.13 @ 21:36:30

Time Off Btm:

2017.01.14 @ 00:57:30

TEST COMMENT: 45-IF-Fair Blow ; Built to 3"
45-ISI-Weak Surface Blow ; Built to 1/4"
45-FF-Weak Blow ; Built to 1 1/4"
45-FSI-Very Weak Surface Blow ; Built to 1/8"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.33	107.57	Initial Hydro-static
1	23.76	107.08	Open To Flow (1)
59	45.33	110.94	Shut-In(1)
106	982.60	112.38	End Shut-In(1)
106	44.55	112.08	Open To Flow (2)
160	52.66	113.14	Shut-In(2)
200	860.15	113.98	End Shut-In(2)
201	1843.49	114.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 30% O 70% M	0.30
20.00	Clean Oil 100%O	0.12

* 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.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64660

DST#: 5

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.13 @ 19:55:00

Tool Information

Drill Pipe:	Length: 3503.00 ft	Diameter: 3.80 inches	Volume: 49.14 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 278.00 ft	Diameter: 2.50 inches	Volume: 1.69 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 50.83 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3792.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3848.00 ft			
Interval between Packers:	56.00 ft			
Tool Length:	161.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3765.00	
Shut In Tool	5.00			3770.00	
Hydraulic tool	5.00			3775.00	
Jars	5.00			3780.00	
Safety Joint	3.00			3783.00	
Packer	5.00			3788.00	28.00 Bottom Of Top Packer
Packer	4.00			3792.00	
Stubb	1.00			3793.00	
Perforations	12.00			3805.00	
Change Over Sub	1.00			3806.00	
Recorder	0.00	8368	Inside	3806.00	
Recorder	0.00	9120	Inside	3806.00	
Drill Pipe	32.00			3838.00	
Change Over Sub	1.00			3839.00	
Perforations	5.00			3844.00	
Blank Off Sub	1.00			3845.00	
top of s.packer	3.00			3848.00	56.00 Tool Interval
Packer	0.00			3848.00	
Stubb	1.00			3849.00	
Perforations	7.00			3856.00	
Change Over Sub	1.00			3857.00	
Recorder	0.00	8934	Below	3857.00	
Drill Pipe	63.00			3920.00	
Change Over Sub	1.00			3921.00	
Bullnose	4.00			3925.00	77.00 Bottom Packers & Anchor

Total Tool Length: 161.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

S7-13S-19W Ellis,KS

3118 Cummings Rd
Garden City KS 67846

Slaughter #1-7

Job Ticket: 64660

DST#: 5

ATTN: Marc Downing/ Cecil

Test Start: 2017.01.13 @ 19:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
50.00	OCM 30% O 70% M	0.304
20.00	Clean Oil 100%O	0.121

Total Length: 70.00 ft Total Volume: 0.425 bbf

Num Fluid Samples: 0

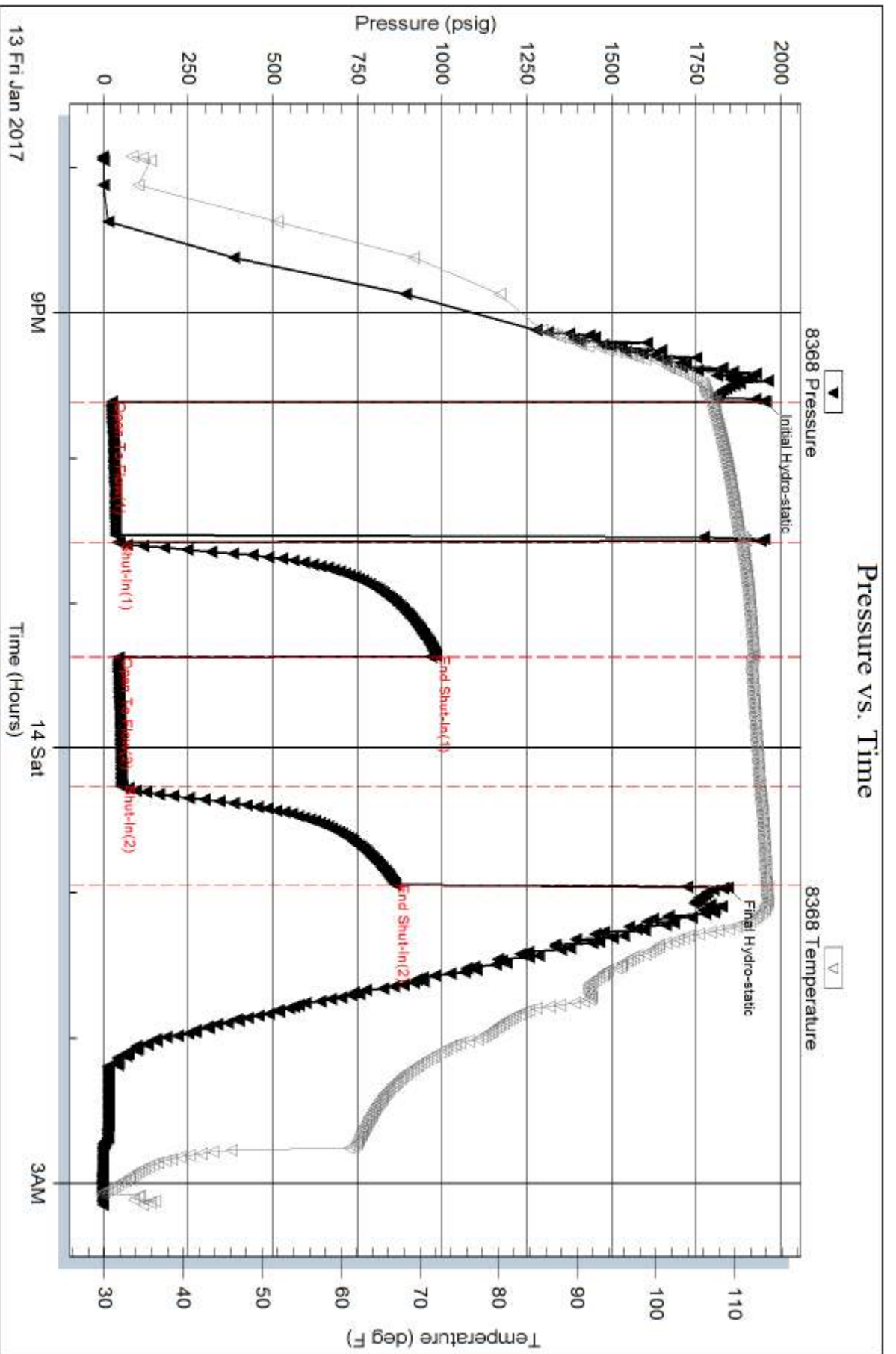
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

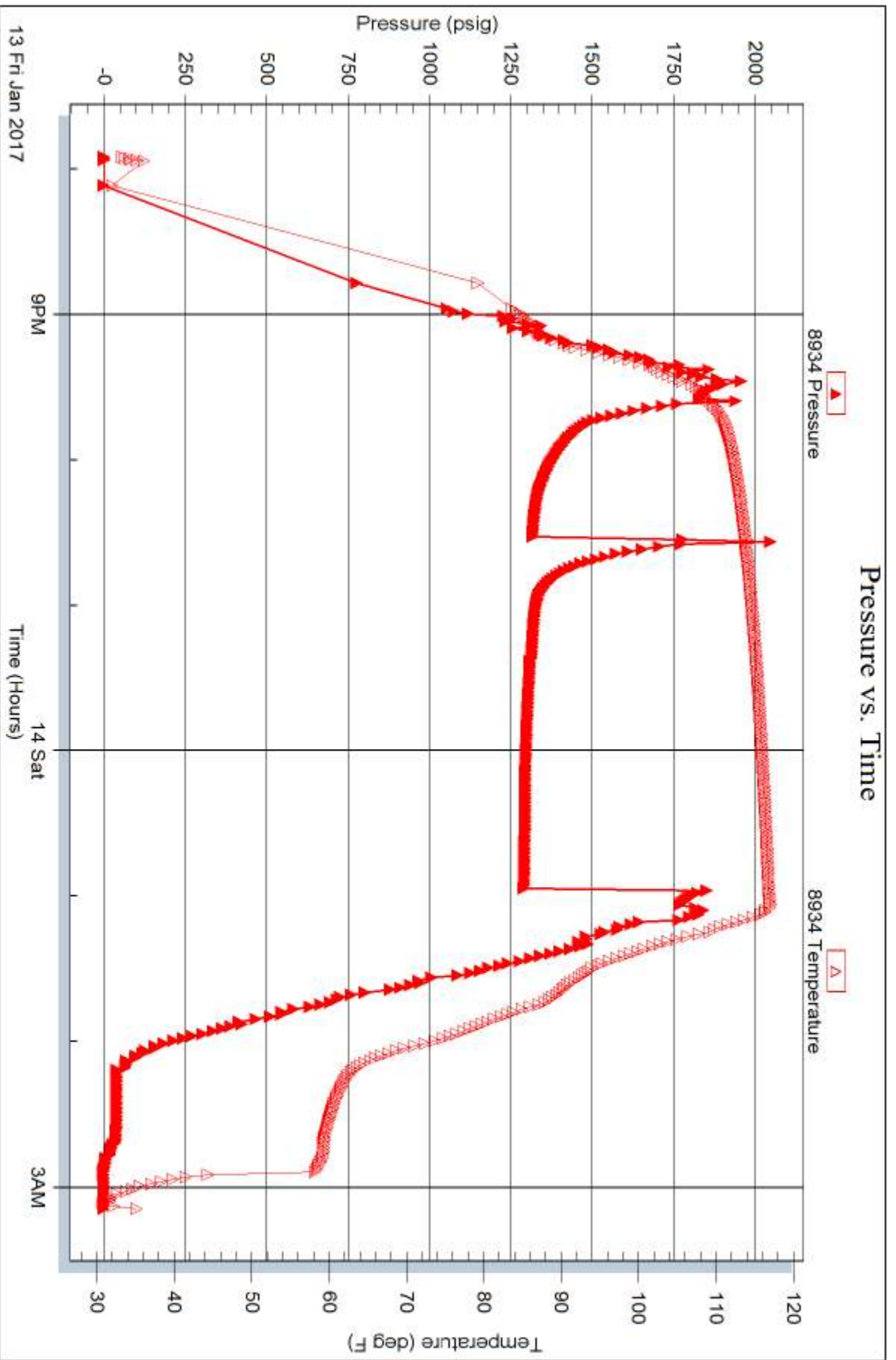


Serial #: 8934

Below (Str Adthe)an Warrior Inc.

Slaughter #1-7

DST Test Number: 5



Tribble Testing, Inc

Ref. No: 64660

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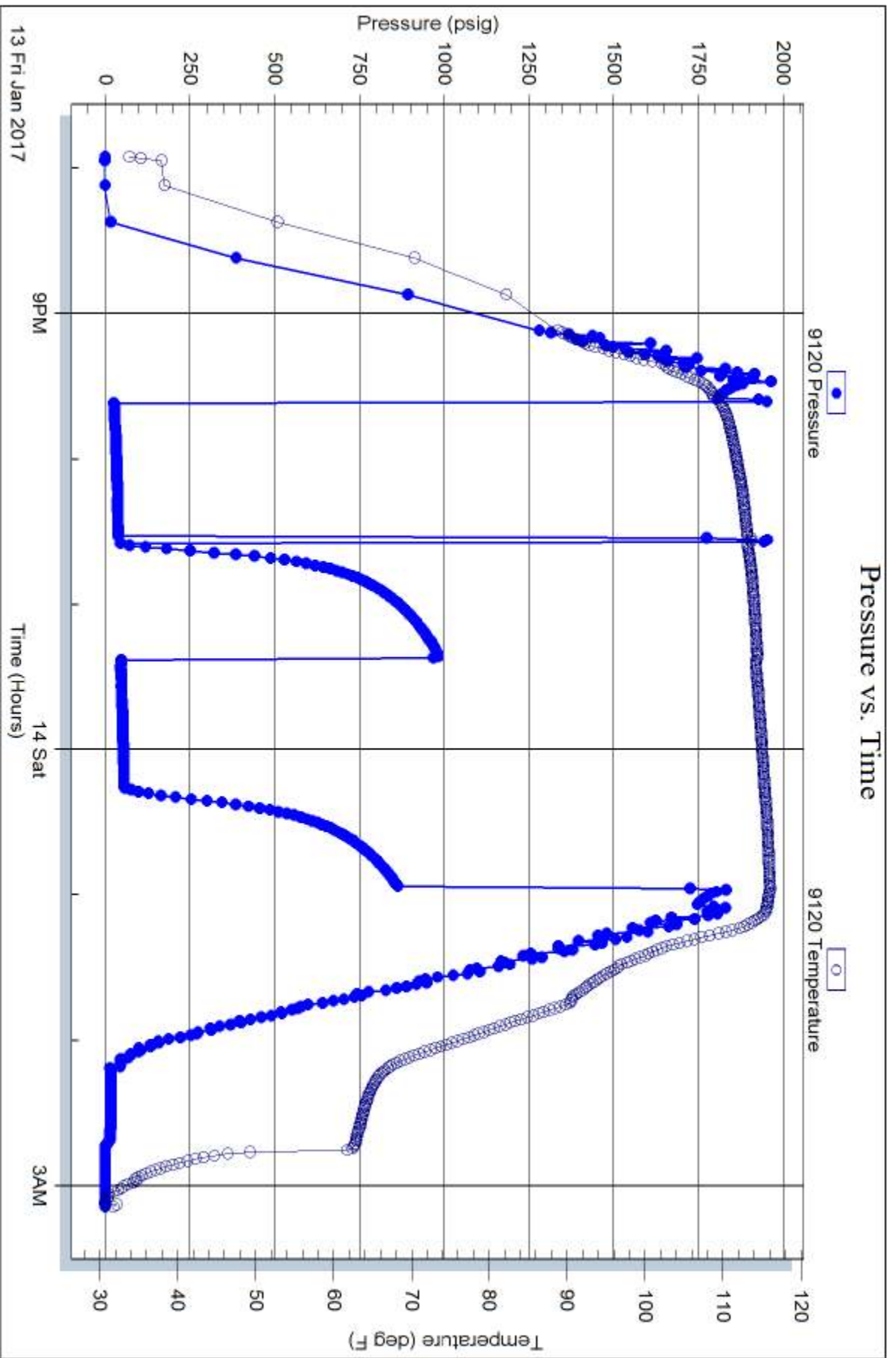
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Inside

American Warrior Inc.

Slaughter #1-7

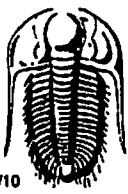
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Trilobite Testing, Inc

Ref. No: 64660

Printed: 2017.01.17 @ 08:37:30



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61874

Well Name & No. Slaughter #1-7 Test No. 1 Date 1/10/2017
 Company American Warrior Inc. Elevation 2147 KB 2139 GL
 Address PO BOX 399 3118 Cummings Rd Garden City, Ks 67846
 Co. Rep / Geo. Marc Downing / Cecil O'Brate Rig Discovery Drilling #2
 Location: Sec. 7 Twp. 13S Rge. 19W Co. Ellis State Ks

Interval Tested 3543' - 3572' Zone Tested LKC 'E-7'
 Anchor Length 29' Drill Pipe Run 3254 Mud Wt. 8.8
 Top Packer Depth 3538' Drill Collars Run — Vis 49
 Bottom Packer Depth 3543' Wt. Pipe Run 278 WL 6.8
 Total Depth 3572' Chlorides 6,200 ppm System LCM 2#

Blow Description J7 - Very weak Blow; Built to 1/4 inches
JSD - No Blow Back
77 - Very weak surface Blow; approx 1/8 inch
7SD - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
10	Mud			100	

Rec Total 10 BHT 104° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1689
 (B) First Initial Flow 9
 (C) First Final Flow 39
 (D) Initial Shut-In 792
 (E) Second Initial Flow 20
 (F) Second Final Flow 19
 (G) Final Shut-In 708
 (H) Final Hydrostatic 1648

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 3427 25.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1075.50

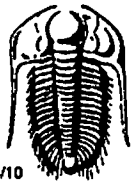
T-On Location 21:00
 T-Started 22:11
 T-Open 23:54
 T-Pulled 02:54 1/11/2017
 T-Out 04:24
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1075.50
 MP/DST Disc't _____

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

Approved By _____

Our Representative Spencer J. Staal

Triobite 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. 61875

Well Name & No. Slaughter #1-7 Test No. 2 Date 1/11/2017
 Company American Warrior Inc. Elevation 2147 KB 2139 GL
 Address PO Box 399 3118 Cummings Rd Jarden City Ks 67846
 Co. Rep / Geo. Marc Downing/Cecil O'Brate Rig Discovery Drilling #2
 Location: Sec. 7 Twp. 13S Rge. 19W Co. Ellis State Ks

Interval Tested 3779' - 3814' Zone Tested Conglomerate Sand
 Anchor Length 35' Drill Pipe Run 3503' Mud Wt. 9.0
 Top Packer Depth 3774' Drill Collars Run — Vis 57
 Bottom Packer Depth 3779' Wt. Pipe Run 278' WL 7.2
 Total Depth 3814' Chlorides 6,300 ppm System LCM 2#

Blow Description
17 - Weak Surface Blow; Built slowly to 1 3/4 inch
150 - No Blow Back
77 - Very weak surface Blow; Built to 3/4 inch
750 - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Clean Oil</u>	<u>100</u>			
<u>20</u>	<u>OCM</u>	<u>5</u>		<u>95</u>	

Rec Total 30 BHT 110° Gravity 240 API RW — @ — ° F Chlorides — ppm

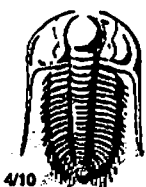
- (A) Initial Hydrostatic 1355
- (B) First Initial Flow 12
- (C) First Final Flow 24
- (D) Initial Shut-In 869
- (E) Second Initial Flow 26
- (F) Second Final Flow 31
- (G) Final Shut-In 735
- (H) Final Hydrostatic 1809

- Test 1050
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 3487 25.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1400.50

T-On Location 22:45
 T-Started 00:24
 T-Open 02:50 1/12/2017
 T-Pulled 06:00
 T-Out 07:21
 Comments Safety Chain wedged in elevators; had to wait on new elevators to pull tool
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1400.50
 MP/DST Disc't —

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

Approved By _____ Our Representative Spencer J. Staal
 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. 64658

Well Name & No. Slaughter # 1-7 Test No. 3 Date 1/12/2017
 Company American Warrior Inc Elevation 2147 KB 2139 GL
 Address PO BOX 399 3118 Cummings Rd Garden City Ks 67846
 Co. Rep / Geo. Marc Downing/Cecil O'Brate Rig Discovery Drilling Rig #2
 Location: Sec. 7 Twp. 13S Rge. 19W Co. Ellis State Ks

Interval Tested 3778' - 3826' Zone Tested Conglomerate Sand
 Anchor Length 48' Drill Pipe Run 3510 Mud Wt. 9.0
 Top Packer Depth 3773' Drill Collars Run - Vis 51
 Bottom Packer Depth 3778' Wt. Pipe Run 278' WL 6.8
 Total Depth 3826' Chlorides 7,000 ppm System LCM 2H

Blow Description J7 - Fair Blow, Built from 1/4 inch to 3 1/2 inches
JSD - Very weak surface blow
77 - Weak Blow, Built from 1/2 inch to 1 3/4 inches
7SD - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Feet of Clean Oil</u>	<u>100</u>			
<u>20</u>	<u>Feet of OCM</u>	<u>10</u>		<u>90</u>	
<u> </u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
<u> </u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
<u> </u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>

Rec Total 40' BHT 104° Gravity 24° API RW - @ - ° F Chlorides - ppm

- (A) Initial Hydrostatic 1850
- (B) First Initial Flow 17
- (C) First Final Flow 28
- (D) Initial Shut-In 852
- (E) Second Initial Flow 30
- (F) Second Final Flow 36
- (G) Final Shut-In 731
- (H) Final Hydrostatic 1808

- Test 1050
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 3427 25.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1400.50

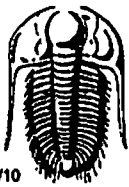
T-On Location 14:35
 T-Started 15:26
 T-Open 17:00
 T-Pulled 20:00
 T-Out 21:30

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1400.50
 MP/DST Disc't _____

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

Approved By _____ Our Representative Spencer J. Small

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. 64659

Well Name & No. Slaughter #1-7 Test No. 4 Date 1/13/2017
 Company American Warrior - Inc Elevation 2147 KB 2139 GL
 Address PO Box 399 3118 Cummings Rd Anden City Ks 67846
 Co. Rep / Geo. Marc Downing / Cecil O'Brate Rig Discovery Drilling Rig #2
 Location: Sec. 7 Twp. 13.S Rge. 1.W Co. Ellis State Ks

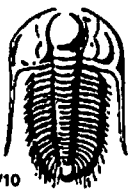
Interval Tested 3793' - 3831' Zone Tested Conglomerate Sand
 Anchor Length 46' 87' tail Drill Pipe Run 3516' Mud Wt. 9.0
 Top Packer Depth 3793' Drill Collars Run — Vis 53
 Bottom Packer Depth 3831' Wt. Pipe Run 275' WL 7.6
 Total Depth 3926' Chlorides 6,800 ppm System LCM 2#
 Blow Description 17 - Fair Blow; Built to 3 1/2 inches
150 - Very Weak Surface Blow; Built to 1/8 inch
77 - Weak Blow; Built to 2 inches
750 - No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Circ C1</u>	<u>100</u>			
<u>30</u>	<u>OCM</u>	<u>25</u>		<u>75</u>	
<u>40</u>	<u>OCM</u>	<u>5</u>		<u>95</u>	

Rec Total 75 BHT 109° Gravity 24° API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1915 Test 1050 T-On Location 10:55
 (B) First Initial Flow 19 Jars 250 T-Started 12:24
 (C) First Final Flow 35 Safety Joint 75 T-Open 13:57
 (D) Initial Shut-In 918 Circ Sub _____ T-Pulled 17:00
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 18:33
 (F) Second Final Flow 46 Mileage 3427 25.50 Comments _____
 (G) Final Shut-In 833 Sampler _____
 (H) Final Hydrostatic 1845 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2000.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2000.50

Approved By _____ Our Representative Spencer J. Staab
 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.
Thank-you!!



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64660

Well Name & No. Slaughter # 1-7 Test No. 5 Date 1/13/2017
 Company American Warrior Inc. Elevation 2147' KB 2139' GL
 Address PO BOX 399 3118 Cummings Rd Morden City KS 67846
 Co. Rep / Geo. Marc Downing/Cecil O'Brate Rig Discovery
 Location: Sec. 7 Twp. 13a Rge. 19w Co. Ellis State KS

Interval Tested 3792'-3848' Zone Tested Conglomerate Sand
 Anchor Length 56' 78' Tail Drill Pipe Run 3503' Mud Wt. 9.0
 Top Packer Depth 3792' Drill Collars Run — Vis 53
 Bottom Packer Depth 3848' Wt. Pipe Run 278' WL 7.6
 Total Depth 3926' Chlorides 6800 ppm System LCM 2#

Blow Description D7 - Fair Blow, Built to 3 inches
DSD - Weak Surface Blow, Built to 4 inch
77 - Weak Surface Blow, Built to 1 and 1/4 inches
75D - Very Weak Surface Blow, Built to 1/8 inch

Rec	Feet of	%gas	%oil	%water	%mud
<u>20'</u>	<u>Clear Oil</u>	<u>100</u>			
<u>50'</u>	<u>OCM</u>	<u>30</u>		<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70' BHT 114° Gravity 24° API RW —@ —° F Chlorides — ppm

- (A) Initial Hydrostatic 1954
- (B) First Initial Flow 23
- (C) First Final Flow 45
- (D) Initial Shut-In 982
- (E) Second Initial Flow 44
- (F) Second Final Flow 52
- (G) Final Shut-In 860
- (H) Final Hydrostatic 1343

- Test 1050
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 34RT
- Sampler
- Straddle 600
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1975

T-On Location 19:00
 T-Started 19:55
 T-Open 21:36
 T-Pulled 00:50 1/14/2017
 T-Out 03:08

Comments Tool would not close. Reset and closed for DSD

- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1975
- MP/DST Disc't

Approved By _____

Our Representative Spencer J. Strub

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.

Thank-you!!