



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.17 @ 15:44:00

End Date: 2014.05.17 @ 23:00:24

Job Ticket #: 57209 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.27 @ 15:46:51



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57209

DST#: 1

Test Start: 2014.05.17 @ 15:44:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:52:10

Time Test Ended: 23:00:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 72

Interval: 4370.00 ft (KB) To 4425.00 ft (KB) (TVD)

Total Depth: 4425.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2735.00 ft (KB)

2722.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8674 Inside

Press@RunDepth: 82.11 psig @ 4372.00 ft (KB)

Start Date: 2014.05.17

End Date: 2014.05.17

Start Time: 15:44:00

End Time: 23:00:24

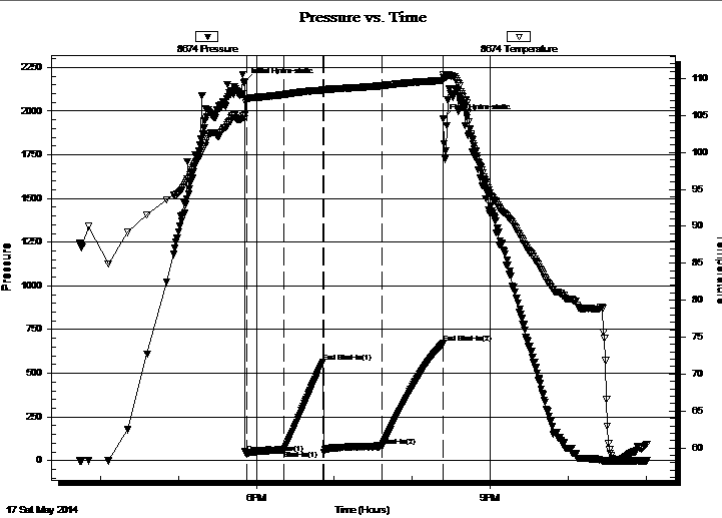
Capacity: 8000.00 psig

Last Calib.: 2014.05.17

Time On Btm: 2014.05.17 @ 17:50:55

Time Off Btm: 2014.05.17 @ 20:23:54

TEST COMMENT: IF- Slid 6' to Bottom Surface Blow Built to BOB in 4 min
 IS- No Blow
 FF- Surface Blow Built to BOB in 2 min
 FS- Very Weak Surface Blow in 18 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.66	105.06	Initial Hydro-static
2	40.97	107.01	Open To Flow (1)
30	62.31	107.81	Shut-In(1)
61	562.56	108.42	End Shut-In(1)
61	49.10	108.25	Open To Flow (2)
106	82.11	109.01	Shut-In(2)
153	671.30	109.73	End Shut-In(2)
153	1956.89	110.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GM 16%g 84%w with a couple Oil Spots	0.30
61.00	WGCM 3%w 24%g 73%w with a Skin	0.30
10.00	WGCM 2%w 3%g 95%w with a Skin	0.05
0.00	744' of Weak GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57209

DST#: 1

Test Start: 2014.05.17 @ 15:44:00

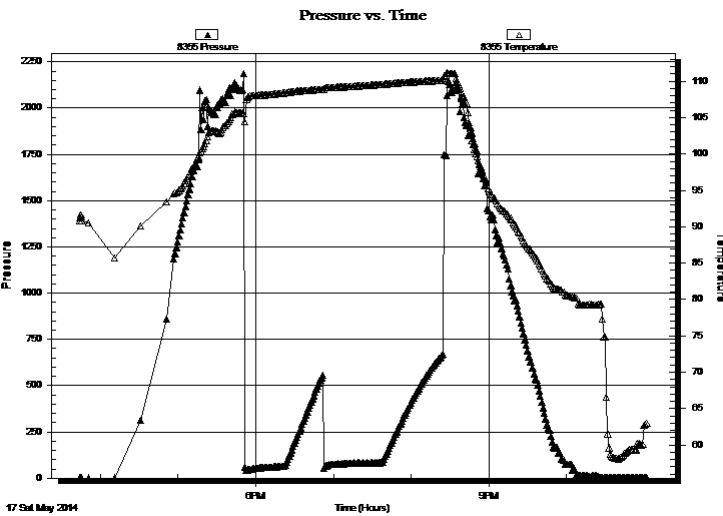
GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:52:10
 Time Test Ended: 23:00:24
 Interval: **4370.00 ft (KB) To 4425.00 ft (KB) (TVD)**
 Total Depth: 4425.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Will MacLean
 Unit No: 72
 Reference Elevations: 2735.00 ft (KB)
 2722.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4372.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.17 End Date: 2014.05.17 Last Calib.: 2014.05.17
 Start Time: 15:44:05 End Time: 23:01:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF- Slid 6' to Bottom Surface Blow Built to BOB in 4 min
 IS- No Blow
 FF- Surface Blow Built to BOB in 2 min
 FS- Very Weak Surface Blow in 18 min



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GM 16%g 84%w with a couple Oil Spots	0.30
61.00	WGCM 3%w 24%g 73%w with a Skim	0.30
10.00	WGCM 2%w 3%g 95%w with a Skim	0.05
0.00	744' of Weak GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57209

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.05.17 @ 15:44:00

Tool Information

Drill Pipe:	Length: 4173.00 ft	Diameter: 3.80 inches	Volume: 58.54 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: 28000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 30000.00 lb
			<u>Total Volume: 59.44 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 680000.0 lb
Depth to Top Packer:	4370.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	82.00 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			4344.00	
Shut In Tool	5.00			4349.00	
Hydraulic tool	5.00			4354.00	
Jars	5.00			4359.00	
Safety Joint	2.00			4361.00	
Packer	5.00			4366.00	27.00 Bottom Of Top Packer
Packer	4.00			4370.00	
Stubb	1.00			4371.00	
Perforations	1.00			4372.00	
Recorder	0.00	8355	Outside	4372.00	
Recorder	0.00	8674	Inside	4372.00	
Perforations	15.00			4387.00	
Change Over Sub	1.00			4388.00	
Drill Pipe	31.00			4419.00	
Change Over Sub	1.00			4420.00	
Bullnose	5.00			4425.00	55.00 Bottom Packers & Anchor
Total Tool Length:	82.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57209

DST#: 1

ATTN: Wyatt Urban

Test Start: 2014.05.17 @ 15:44:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 7.92 in³
Resistivity: ohm.m
Salinity: 3400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	GM 16%g 84%m with a couple Oil Spots	0.300
61.00	WGCM 3%w 24%g 73%m with a Skim of O	0.300
10.00	WGCM 2%w 3%g 95%m with a Skim of Oil	0.049
0.00	744' of Weak GIP	0.000

Total Length: 132.00 ft Total Volume: 0.649 bbl

Num Fluid Samples: 0

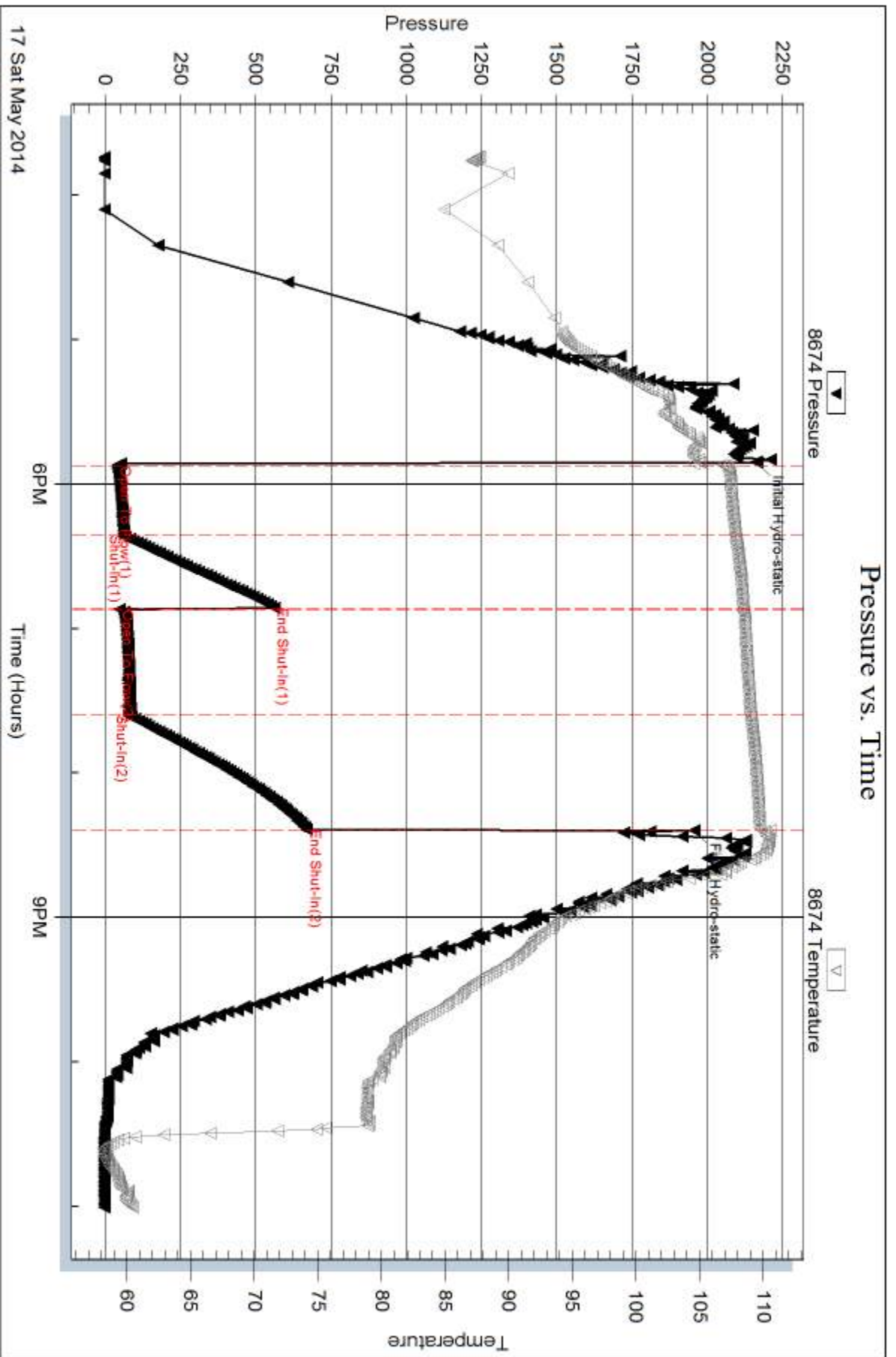
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

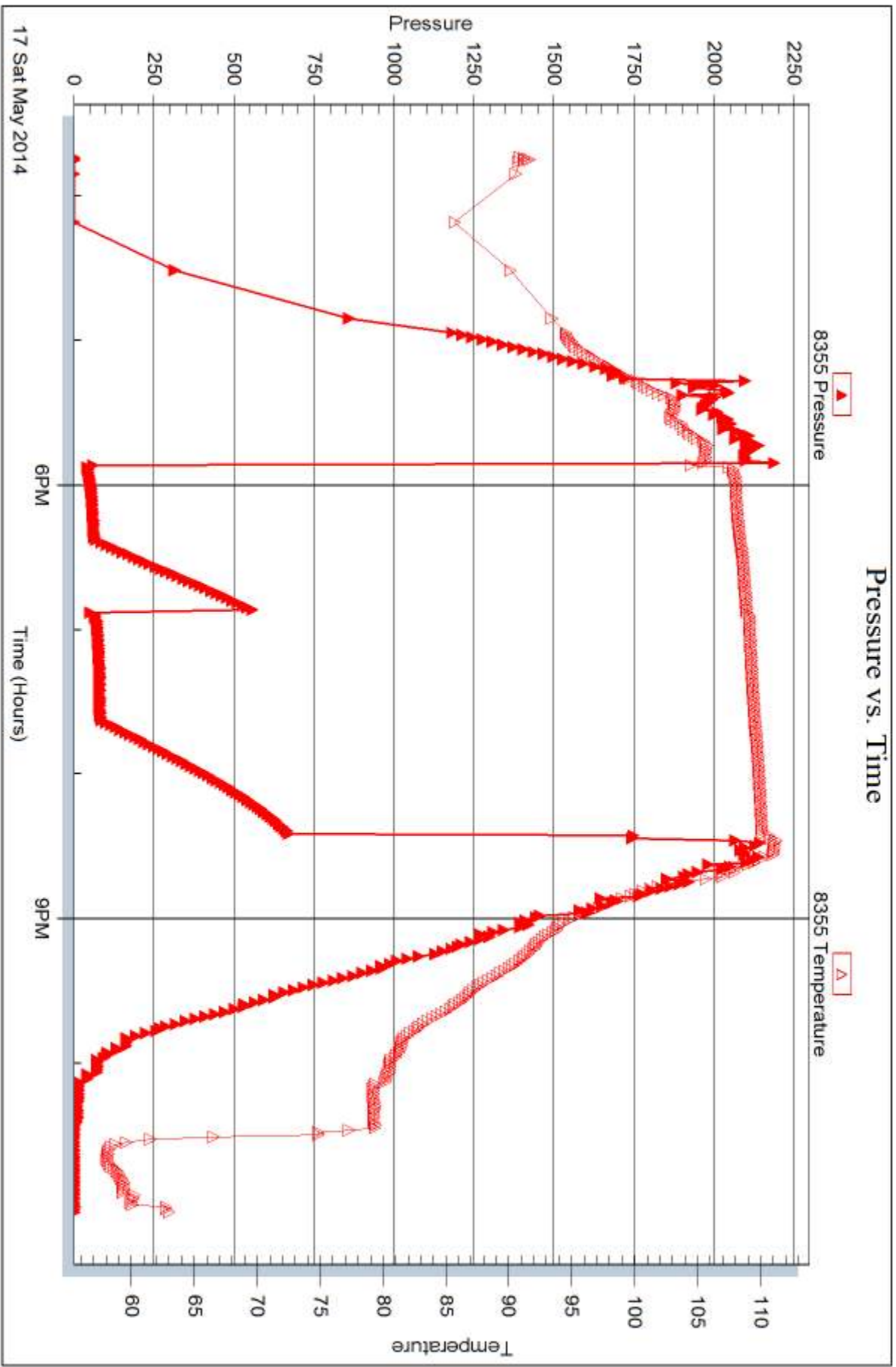


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57209

Printed: 2014.05.27 @ 15:46:53



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.18 @ 15:00:00

End Date: 2014.05.18 @ 22:22:54

Job Ticket #: 57210 DST #: 2

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

Printed: 2014.05.27 @ 15:46:30

American Warrior Inc.
29-34s-34w Seward,KS
Handy #5-29
DST # 2
Upper Lansing
2014.05.18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57210

DST#: 2

Test Start: 2014.05.18 @ 15:00:00

GENERAL INFORMATION:

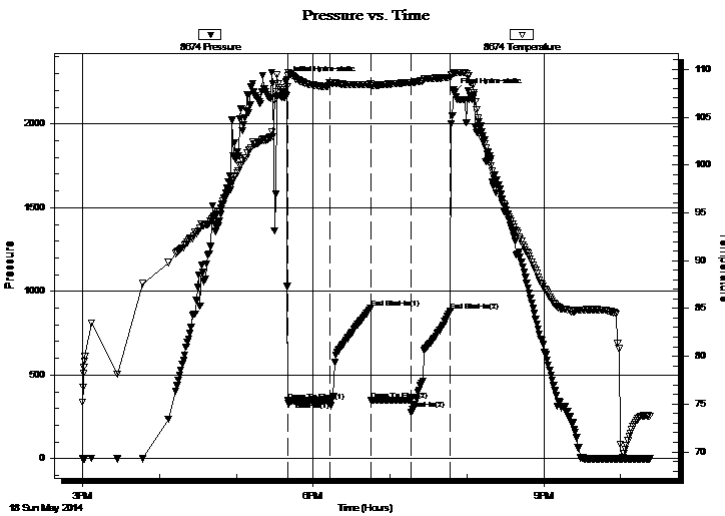
Formation: **Upper Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:40:25
 Time Test Ended: 22:22:54
 Interval: **4520.00 ft (KB) To 4600.00 ft (KB) (TVD)**
 Total Depth: 4600.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Will MacLean
 Unit No: 72
 Reference Elevations: 2735.00 ft (KB)
 2722.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press@RunDepth: 348.96 psig @ 4521.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.18 End Date: 2014.05.18 Last Calib.: 2014.05.18
 Start Time: 15:00:00 End Time: 22:22:54 Time On Btm: 2014.05.18 @ 17:39:10
 Time Off Btm: 2014.05.18 @ 19:50:09

TEST COMMENT: IF- Set Down on the tool the mud went down the hole set more weight on couldnt see the mud no more came back up
 bled it off set back down on it took about a 60' drink then it held Flushed tool at the end of the
 IF- No Blow ISI- No Blow FF- No Blow FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.47	107.29	Initial Hydro-static
2	345.75	109.39	Open To Flow (1)
34	344.42	108.60	Shut-In(1)
66	901.36	108.45	End Shut-In(1)
66	347.50	108.24	Open To Flow (2)
98	348.96	108.65	Shut-In(2)
128	881.21	109.18	End Shut-In(2)
131	2186.03	109.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
635.00	100%m	7.23

* 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.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57210

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.05.18 @ 15:00:00

Tool Information

Drill Pipe:	Length: 4331.00 ft	Diameter: 3.80 inches	Volume: 60.75 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: 40000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 24000.00 lb
			Total Volume: 61.65 bbl	Tool Chased ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4520.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4494.00	
Shut In Tool	5.00			4499.00	
Hydraulic tool	5.00			4504.00	
Jars	5.00			4509.00	
Safety Joint	2.00			4511.00	
Packer	5.00			4516.00	27.00 Bottom Of Top Packer
Packer	4.00			4520.00	
Stubb	1.00			4521.00	
Recorder	0.00	8355	Outside	4521.00	
Recorder	0.00	8674	Inside	4521.00	
Perforations	9.00			4530.00	
Change Over Sub	1.00			4531.00	
Drill Pipe	63.00			4594.00	
Change Over Sub	1.00			4595.00	
Bullnose	5.00			4600.00	80.00 Bottom Packers & Anchor

Total Tool Length: 107.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57210

DST#: 2

ATTN: Wyatt Urban

Test Start: 2014.05.18 @ 15:00:00

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
635.00	100%m	7.231

Total Length: 635.00 ft Total Volume: 7.231 bbl

Num Fluid Samples: 0

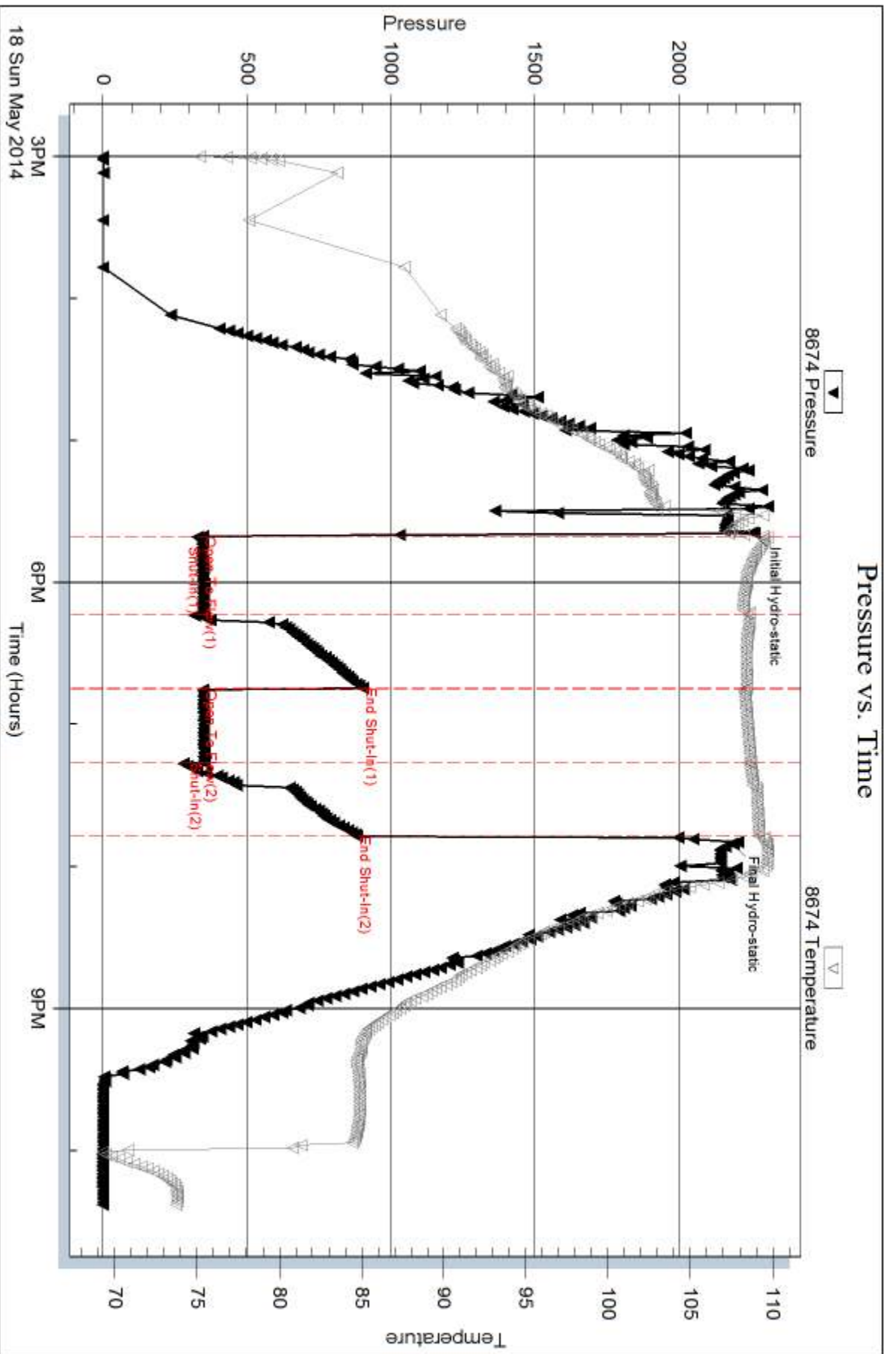
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

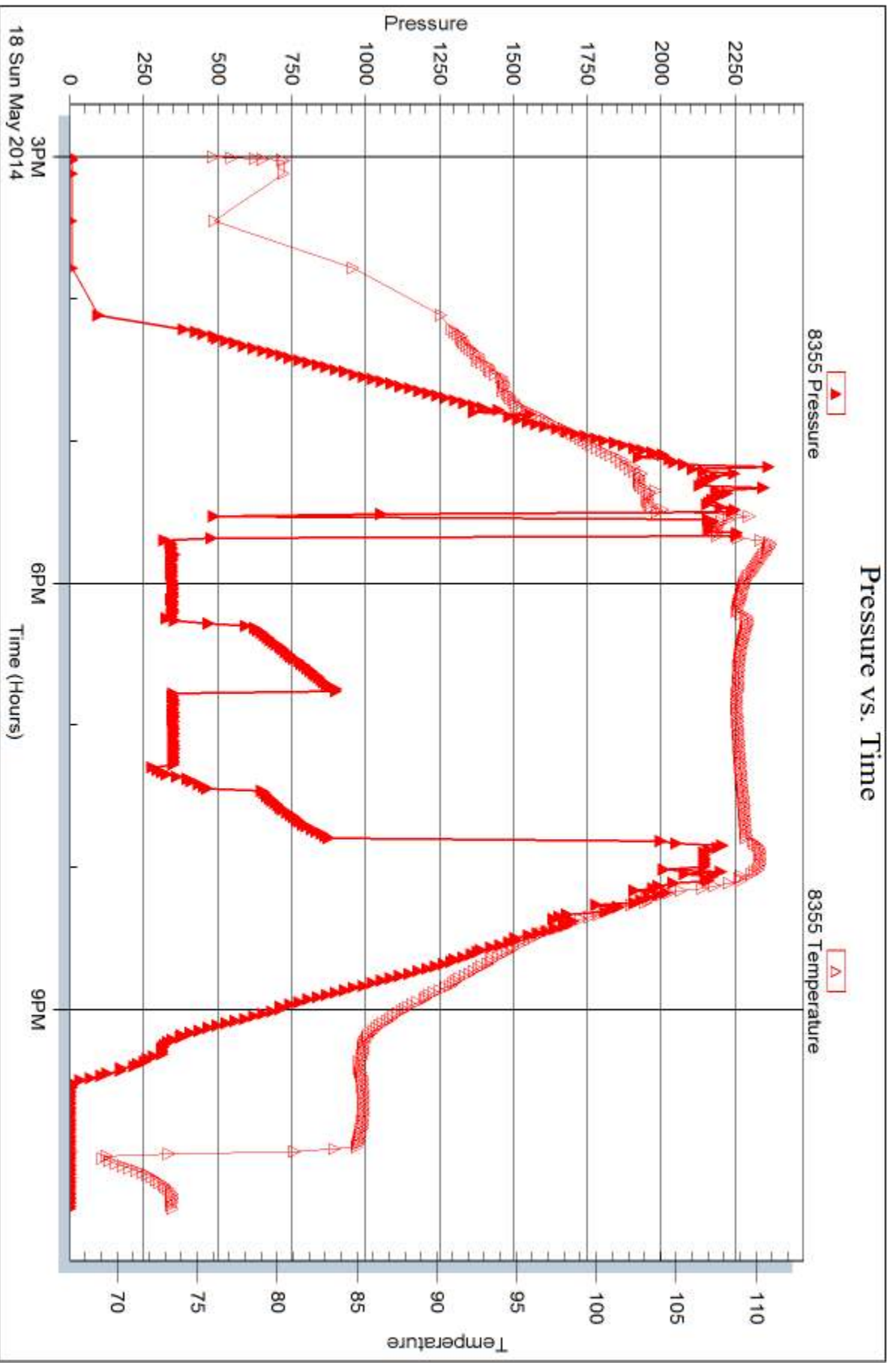


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57210

Printed: 2014.05.27 @ 15:46:31



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.20 @ 22:32:00

End Date: 2014.05.21 @ 06:10:24

Job Ticket #: 57211 DST #: 3

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

Printed: 2014.05.27 @ 15:45:54



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57211

DST#: 3

Test Start: 2014.05.20 @ 22:32:00

GENERAL INFORMATION:

Formation: **Marmanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:34:25

Time Test Ended: 06:10:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 72

Interval: 5223.00 ft (KB) To 5325.00 ft (KB) (TVD)

Reference Elevations: 2735.00 ft (KB)

Total Depth: 5325.00 ft (KB) (TVD)

2722.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8674

Inside

Press@RunDepth: 45.50 psig @ 5226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.20

End Date:

2014.05.21

Last Calib.:

2014.05.21

Start Time: 22:32:00

End Time:

06:10:24

Time On Btm:

2014.05.21 @ 00:34:10

Time Off Btm:

2014.05.21 @ 03:35:39

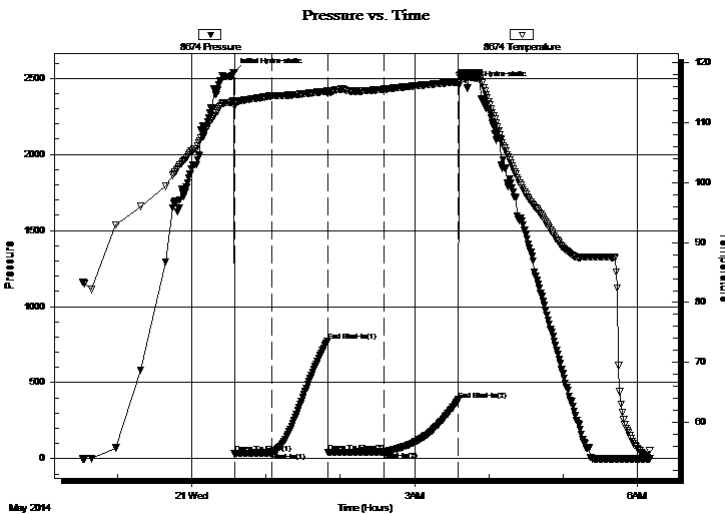
TEST COMMENT: IF- Weak Surface Blow Built to 1 1/4"

FSI- No Blow

FF- No Blow

FSI- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2538.38	113.68	Initial Hydro-static
1	32.40	112.72	Open To Flow (1)
31	39.16	114.48	Shut-In(1)
76	774.00	115.25	End Shut-In(1)
76	41.06	114.88	Open To Flow (2)
121	45.50	115.57	Shut-In(2)
182	387.03	116.84	End Shut-In(2)
182	2452.66	117.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM 3%w 97%m	0.07

* 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.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57211

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.05.20 @ 22:32:00

Tool Information

Drill Pipe:	Length: 5026.00 ft	Diameter: 3.80 inches	Volume: 70.50 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: 28000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 32000.00 lb
			<u>Total Volume: 71.40 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	5223.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.00 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			5197.00	
Shut In Tool	5.00			5202.00	
Hydraulic tool	5.00			5207.00	
Jars	5.00			5212.00	
Safety Joint	2.00			5214.00	
Packer	5.00			5219.00	27.00 Bottom Of Top Packer
Packer	4.00			5223.00	
Stubb	1.00			5224.00	
Perforations	2.00			5226.00	
Recorder	0.00	8355	Outside	5226.00	
Recorder	0.00	8674	Inside	5226.00	
Perforations	29.00			5255.00	
Change Over Sub	1.00			5256.00	
Drill Pipe	63.00			5319.00	
Change Over Sub	1.00			5320.00	
Bullnose	5.00			5325.00	102.00 Bottom Packers & Anchor
Total Tool Length:	129.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57211

DST#: 3

ATTN: Wyatt Urban

Test Start: 2014.05.20 @ 22:32:00

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: bbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WCM 3%w 97%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

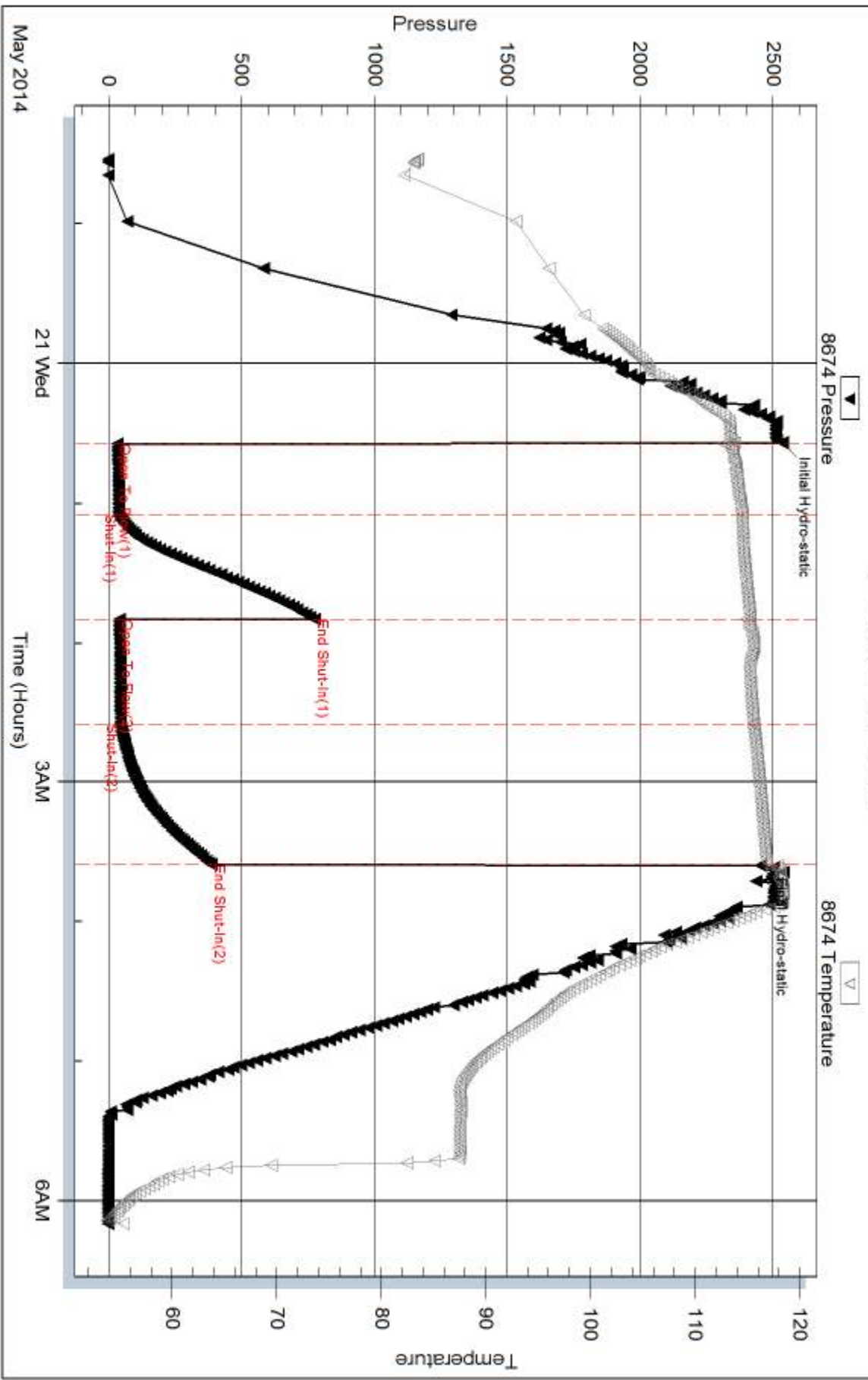
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

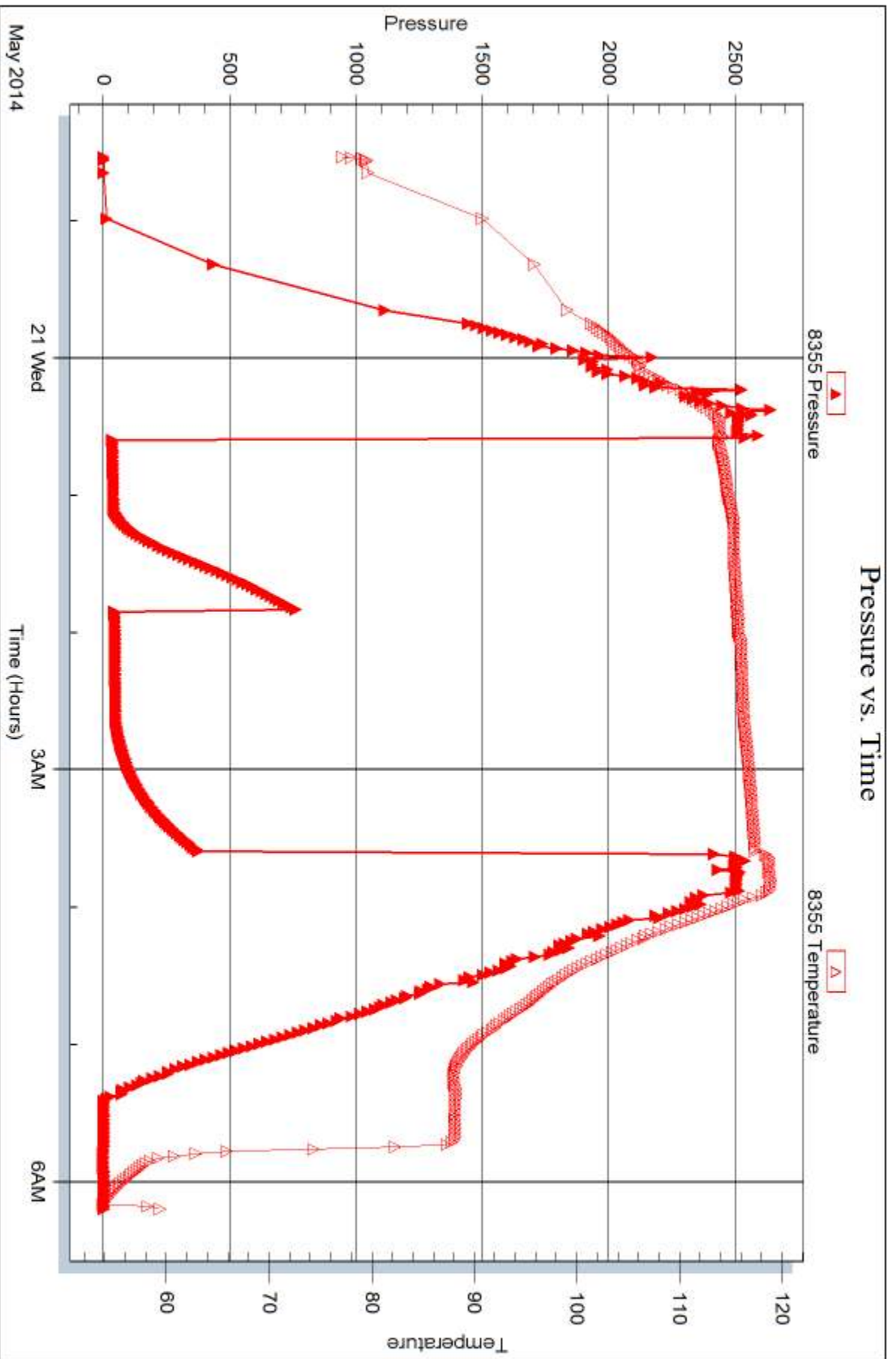


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City KS 67846

ATTN: Wyatt Urban

Handy #5-29

29-34s-34w Seward,KS

Start Date: 2014.05.23 @ 17:58:00

End Date: 2014.05.24 @ 03:00:10

Job Ticket #: 57212 DST #: 4

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

Printed: 2014.05.27 @ 15:45:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc.
PO Box 399
Garden City KS 67846
ATTN: Wyatt Urban

29-34s-34w Seward,KS

Handy #5-29

Job Ticket: 57212

DST#: 4

Test Start: 2014.05.23 @ 17:58:00

GENERAL INFORMATION:

Formation: **Chester**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:30:40
 Time Test Ended: 03:00:10
 Interval: **5932.00 ft (KB) To 6010.00 ft (KB) (TVD)**
 Total Depth: 6010.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Will MacLean
 Unit No: 72
 Reference Elevations: 2735.00 ft (KB)
 2722.00 ft (CF)
 KB to GR/CF: 13.00 ft

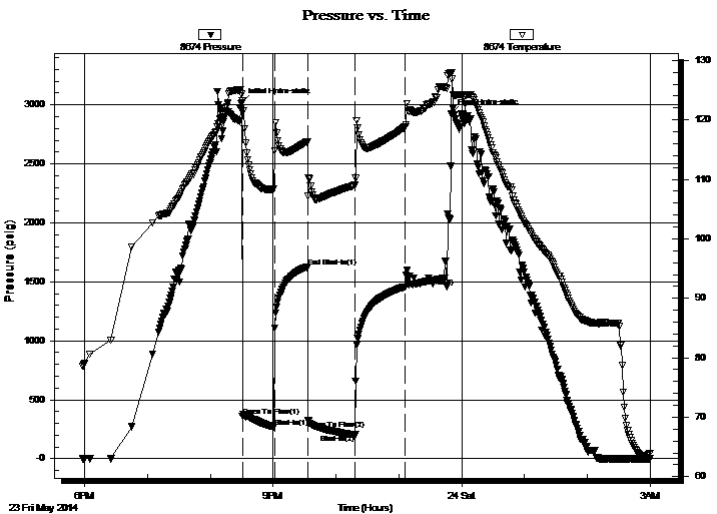
Serial #: 8674

Inside

Press@RunDepth: 204.04 psig @ 5935.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.05.23 End Date: 2014.05.24 Last Calib.: 2014.05.24
 Start Time: 17:58:00 End Time: 03:00:10 Time On Btm: 2014.05.23 @ 20:29:55
 Time Off Btm: 2014.05.23 @ 23:50:24

TEST COMMENT: IF- Strong Surface Blow Built BOB in 20sec (Gas to Surface in 5min)
 IS- BOB Bled off thru the Shut In Dead at End of Shut In
 FF- Strong Surface Blow BOB immediately
 FS- BOB Bled it off thru the Shut In Dead at End of Shut In

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3015.13	124.33	Initial Hydro-static
1	362.19	123.28	Open To Flow (1)
32	268.80	108.41	Shut-In(1)
63	1625.49	116.36	End Shut-In(1)
64	322.58	107.25	Open To Flow (2)
109	204.04	109.07	Shut-In(2)
157	1458.44	118.83	End Shut-In(2)
201	2928.62	127.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCW 3%g 29%m 68%w	0.61
5.00	WCM 12%w 88%m	0.02
0.00	5790' of Weak GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	38.00	1506.44
Last Gas Rate	1.00	18.00	931.46
Max. Gas Rate	1.00	39.00	1535.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57212

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.05.23 @ 17:58:00

Tool Information

Drill Pipe:	Length: 5751.00 ft	Diameter: 3.80 inches	Volume: 80.67 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: 30000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 81.57 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5932.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	105.00 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			5906.00	
Shut In Tool	5.00			5911.00	
Hydraulic tool	5.00			5916.00	
Jars	5.00			5921.00	
Safety Joint	2.00			5923.00	
Packer	5.00			5928.00	27.00 Bottom Of Top Packer
Packer	4.00			5932.00	
Stubb	1.00			5933.00	
Perforations	2.00			5935.00	
Recorder	0.00	8355	Outside	5935.00	
Recorder	0.00	8674	Inside	5935.00	
Perforations	5.00			5940.00	
Change Over Sub	1.00			5941.00	
Drill Pipe	63.00			6004.00	
Change Over Sub	1.00			6005.00	
Bullnose	5.00			6010.00	78.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57212

DST#: 4

ATTN: Wyatt Urban

Test Start: 2014.05.23 @ 17:58:00

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:

53000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GMCW 3%g 29%m 68%w	0.610
5.00	WCM 12%w 88%m	0.025
0.00	5790' of Weak GIP	0.000

Total Length: 129.00 ft Total Volume: 0.635 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .134 @ 69f = 53000



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc.

29-34s-34w Seward,KS

PO Box 399
Garden City KS 67846

Handy #5-29

Job Ticket: 57212

DST#: 4

ATTN: Wyatt Urban

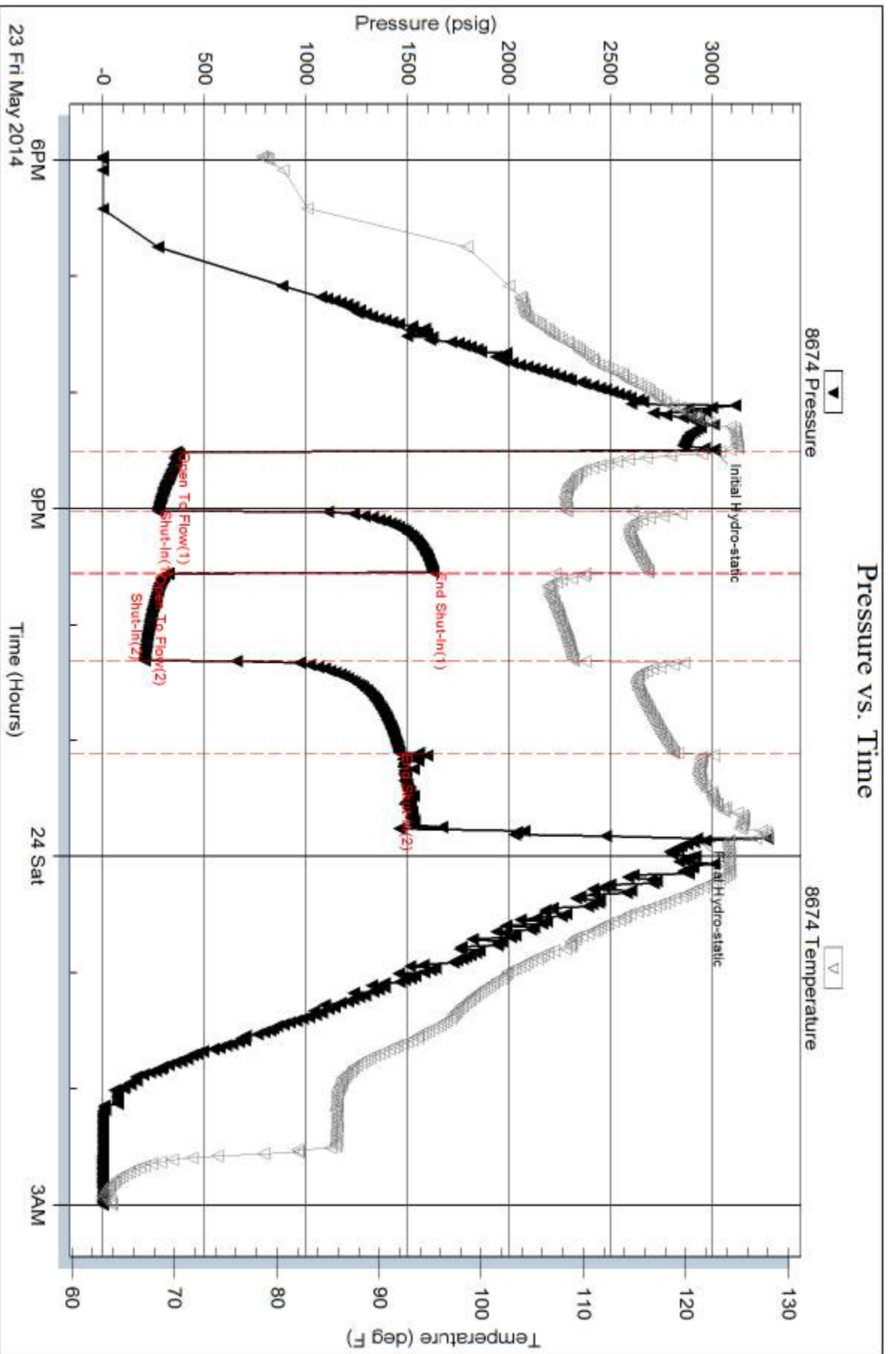
Test Start: 2014.05.23 @ 17:58:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	5	1.00	38.00	1506.44
1	10	1.00	39.00	1535.19
1	15	1.00	38.00	1506.44
1	20	1.00	32.00	1333.94
1	25	1.00	32.00	1333.94
1	30	1.00	28.00	1218.95
2	5	1.00	28.00	1218.95
2	10	1.00	30.00	1276.45
2	15	1.00	29.00	1247.70
2	20	1.00	28.00	1218.95
2	25	1.00	24.00	1103.95
2	30	1.00	22.00	1046.46
2	35	1.00	20.00	988.96
2	40	1.00	20.00	988.96
2	45	1.00	18.00	931.46

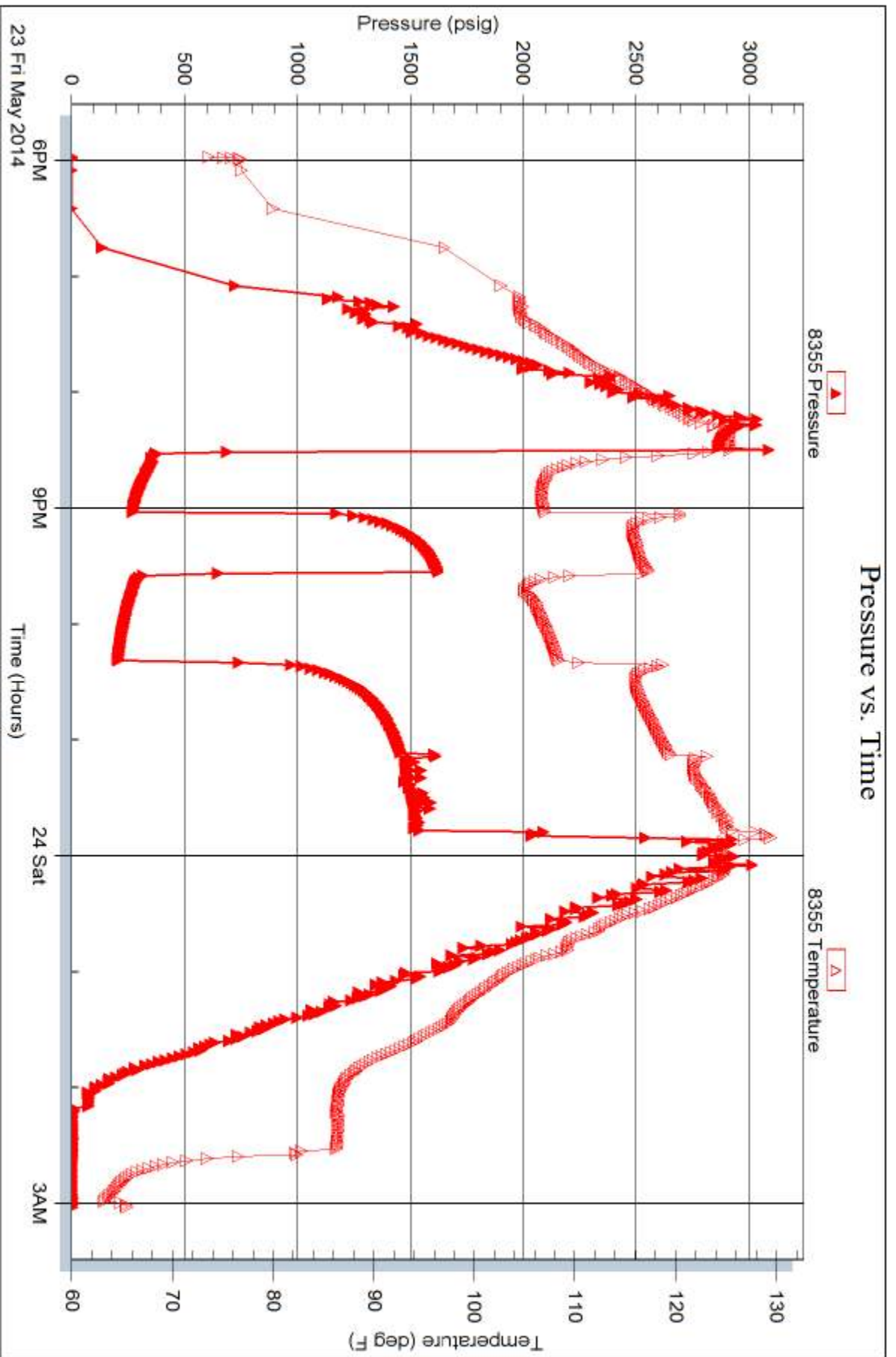


Serial #: 8355

Outside American Warrior Inc.

Handy #5-29

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 57212

Printed: 2014.05.27 @ 15:45:02



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57209

Well Name & No. Handy #5-29 Test No. DST #1 Date 5-17-14
 Company American Warrior Inc Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 4370 - 4425 Zone Tested Toronto
 Anchor Length 55' Drill Pipe Run 4173 Mud Wt. 9.3
 Top Packer Depth 4366 Drill Collars Run 184 Vis 46
 Bottom Packer Depth 4370 Wt. Pipe Run 0 WL 8.0
 Total Depth 4425 Chlorides 3400 ppm System LCM 2/6

Blow Description IF- ~~SL~~ Slide 6' to Bottom Surface Blow Built to BOB in 4min
IST- No Blow
FF- Surface Blow Built to BOB in 2min
FST- Very Weak Surface Blow in 18min

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>WGCM with SK mat Oil</u>	<u>3</u>	<u>2</u>	<u>95</u>	
<u>61</u>	<u>WGCM with SK mat Oil</u>	<u>24</u>	<u>3</u>	<u>73</u>	
<u>61</u>	<u>G-M with a couple Oil Spuds</u>	<u>16</u>		<u>81</u>	
	<u>744' of Weak G-IP</u>				

Rec Total 132 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2165 Test 1250 T-On Location 15:02
 (B) First Initial Flow 40 Jars 250 T-Started 15:44
 (C) First Final Flow 62 Safety Joint 75 T-Open 17:52
 (D) Initial Shut-In 562 Circ Sub NIC T-Pulled 20:23
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 23:00
 (F) Second Final Flow 82 Mileage 241 R/T 378.20 Comments _____
 (G) Final Shut-In 671 Sampler _____
 (H) Final Hydrostatic 1956 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45
 Sub Total 0
 Total 1953.20
 MP/DST Disc't _____
 Sub Total 1953.20

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 57210

Well Name & No. Handy # 5-29 Test No. DSI #2 Date 5-18-14
 Company American Warrior Inc Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig DuRc #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 4520 - 4600 Zone Tested Upper Lansing
 Anchor Length 80 Drill Pipe Run 4331 Mud Wt. 9.2
 Top Packer Depth 4516 Drill Collars Run 184 Vis 50
 Bottom Packer Depth 4520 Wt. Pipe Run 0 WL 8.8
 Total Depth 4600 Chlorides 2900 ppm System LCM 216

Blow Description IF- Packer Failure Blad it off set it back down took about a 60' Drink (Flashed Tool)
ISI- No Blow
FF- No Blow
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>635</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	Feet of	%gas	%oil	%water	%mud

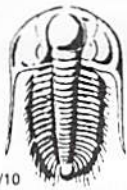
Rec Total 635 BHT 110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>13:52</u>
(B) First Initial Flow _____	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:00</u>
(C) First Final Flow _____	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:40</u>
(D) Initial Shut-In _____	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>19:50</u>
(E) Second Initial Flow _____	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:22</u>
(F) Second Final Flow _____	<input checked="" type="checkbox"/> Mileage <u>244 R/T</u> 378.20	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic _____	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1953.20</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1953.20</u>	

Approved By _____

Our Representative Wyn

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. 57211

4/10

Well Name & No. Handy #5-29 Test No. DST #3 Date 5-20-14
 Company American Warrior Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 5223 - 5325 Zone Tested Marmanton
 Anchor Length 102 Drill Pipe Run 5026 Mud Wt. 9.2
 Top Packer Depth 5219 Drill Collars Run 184 Vis 49
 Bottom Packer Depth 5223 Wt. Pipe Run 0 WL 8.4
 Total Depth 5325 Chlorides 3400 ppm System LCM 216

Blow Description IF - Weak Surface Blow Built to 1 1/4"
ISI - No Blow
FF - No Blow
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>LCM</u>		<u>3</u>	<u>97</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 15 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2538</u>	<input checked="" type="checkbox"/> Test <u>1350</u>	T-On Location <u>21:36</u>
(B) First Initial Flow <u>32</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>22:32</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>00:34</u>
(D) Initial Shut-In <u>774</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>3:35</u>
(E) Second Initial Flow <u>41</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:10</u>
(F) Second Final Flow <u>45</u>	<input checked="" type="checkbox"/> Mileage <u>244 R/T</u> 378.20	Comments _____
(G) Final Shut-In <u>387</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2452</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>775</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2828.20</u>
Final Shut-In <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 23.25h</u>	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>2053.20</u>	

Approved By _____ Our Representative Wyatt Urban
 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. 57212

Well Name & No. Handy #5-29 Test No. DST#4 Date 5-23-14
 Company American Warrior Inc Elevation 2735 KB 2722 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke Rg #9
 Location: Sec. 29 Twp. 34S Rge. 34W Co. Seward State KS

Interval Tested 5932-6010 Zone Tested Chester
 Anchor Length 78 Drill Pipe Run 5751 Mud Wt. 9.2
 Top Packer Depth 5928 Drill Collars Run 184 Vis 50
 Bottom Packer Depth 5932 Wt. Pipe Run 0 WL 8.4
 Total Depth 6010 Chlorides 3400 ppm System LCM 216

Blow Description IF- Strong Surface Blow Built to BOB in 20 sec (Gas to Surface in 5 min)
ISI- BOB- Bled off thru the Shut In Dead at End of Shot in
FF- Strong Surface Blow Built to BOB Immediately
FSI- BOB Bled off thru the Shut In Dead at End of Shut in

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>WCM</u>		<u>12</u>	<u>88</u>	
<u>124</u>	<u>GMCW</u>	<u>3</u>	<u>68</u>	<u>29</u>	
	<u>5790 at Weak GIP</u>				

Rec Total 129 BHT 127 Gravity _____ API RW .134 @ 69 °F Chlorides 53000 ppm

(A) Initial Hydrostatic 3015 Test 1450 T-On Location 17:08
 (B) First Initial Flow 362 Jars 250 T-Started 17:58
 (C) First Final Flow 268 Safety Joint 75 T-Open 20:30
 (D) Initial Shut-In 1625 Circ Sub N/C T-Pulled 23:50
 (E) Second Initial Flow 322 Hourly Standby _____ T-Out 3:00
 (F) Second Final Flow 204 Mileage 244 R/T x2 Comments Motel
 (G) Final Shut-In 1458 Sampler 756.40 loaded tools 5/24 18:30
 (H) Final Hydrostatic 2928 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer 320
 Extra Packer _____ Extra Copies _____

Initial Open 30 Extra Recorder _____ Sub Total 1166.67
 Initial Shut-In 30 Extra Recorder _____ Total 4018.07
 Final Flow 45 Day Standby 2d 11h MP/DST Disc't _____
 Final Shut-In 45 Accessibility _____ Sub Total 2531.40

Approved By _____ Our Representative [Signature]

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