

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

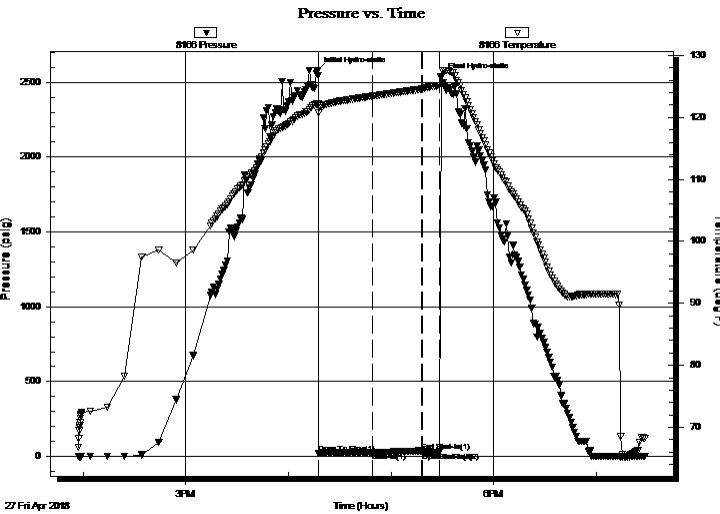
11-16-42 Greeley Ks
Rita 1-11
Job Ticket: 63629 **DST#: 1**
Test Start: 2018.04.27 @ 13:57:15

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 16:17:45 Tester: Brandon Turley
Time Test Ended: 19:28:15 Unit No: 79
Interval: 4936.00 ft (KB) To 5021.00 ft (KB) (TVD) Reference Elevations: 3789.00 ft (KB)
Total Depth: 5021.00 ft (KB) (TVD) 3777.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8166 Outside
Press@RunDepth: 25.11 psig @ 4937.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.04.27 End Date: 2018.04.27 Last Calib.: 2018.04.27
Start Time: 13:57:20 End Time: 19:28:14 Time On Btm: 2018.04.27 @ 16:16:45
Time Off Btm: 2018.04.27 @ 17:29:15

TEST COMMENT: IF: 1/4 blow died in 8 min.
IS: No return.
FF: No blow.
FS: Pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2574.06	122.18	Initial Hydro-static
1	22.55	120.81	Open To Flow (1)
33	25.11	123.44	Shut-In(1)
61	36.96	124.56	End Shut-In(1)
62	26.89	124.58	Open To Flow (2)
72	26.60	125.14	Shut-In(2)
73	2531.83	126.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

11-16-42 Greeley Ks
Rita 1-11
Job Ticket: 63629 **DST#: 1**
Test Start: 2018.04.27 @ 13:57:15

Mud and Cushion Information

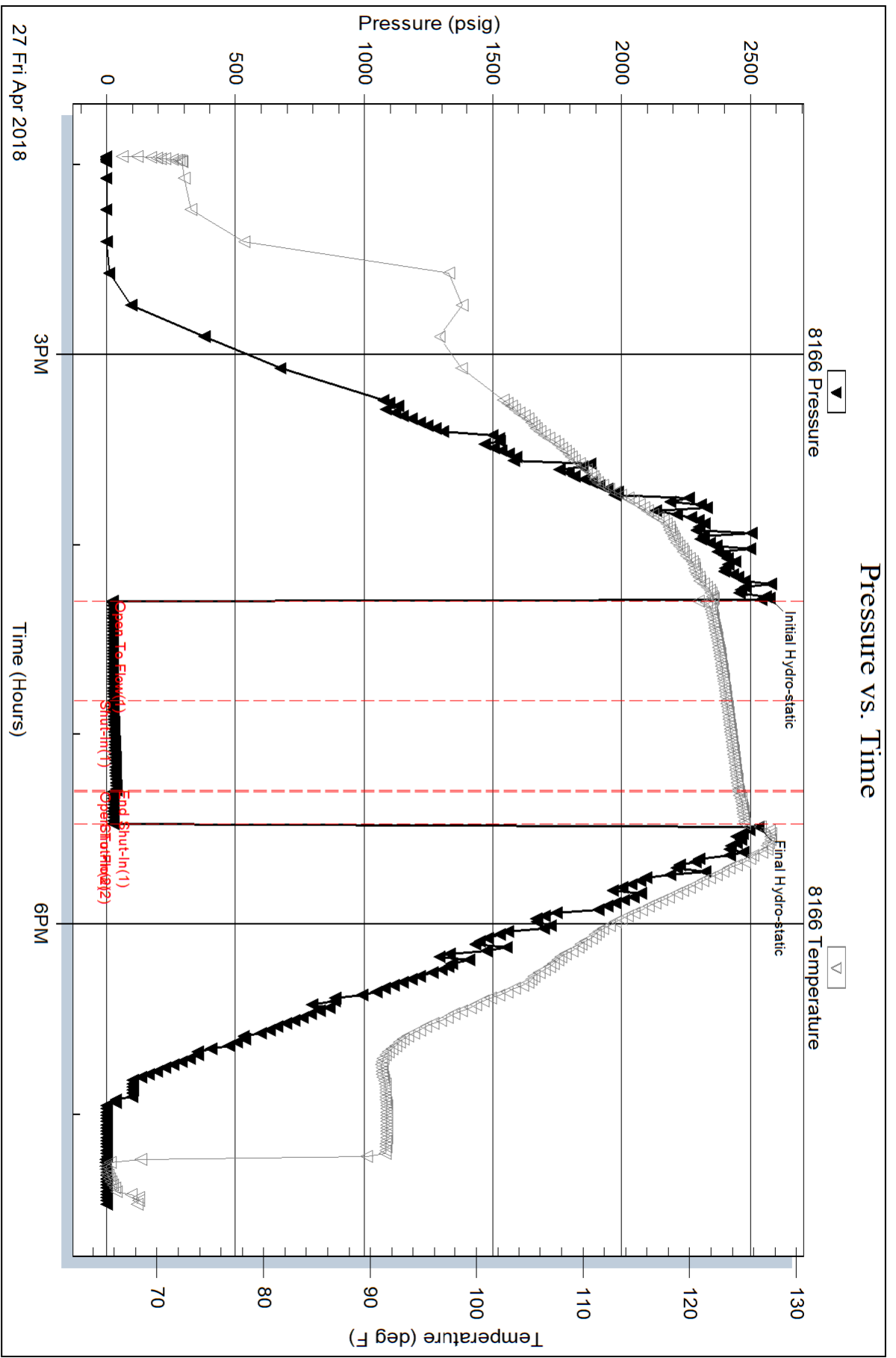
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

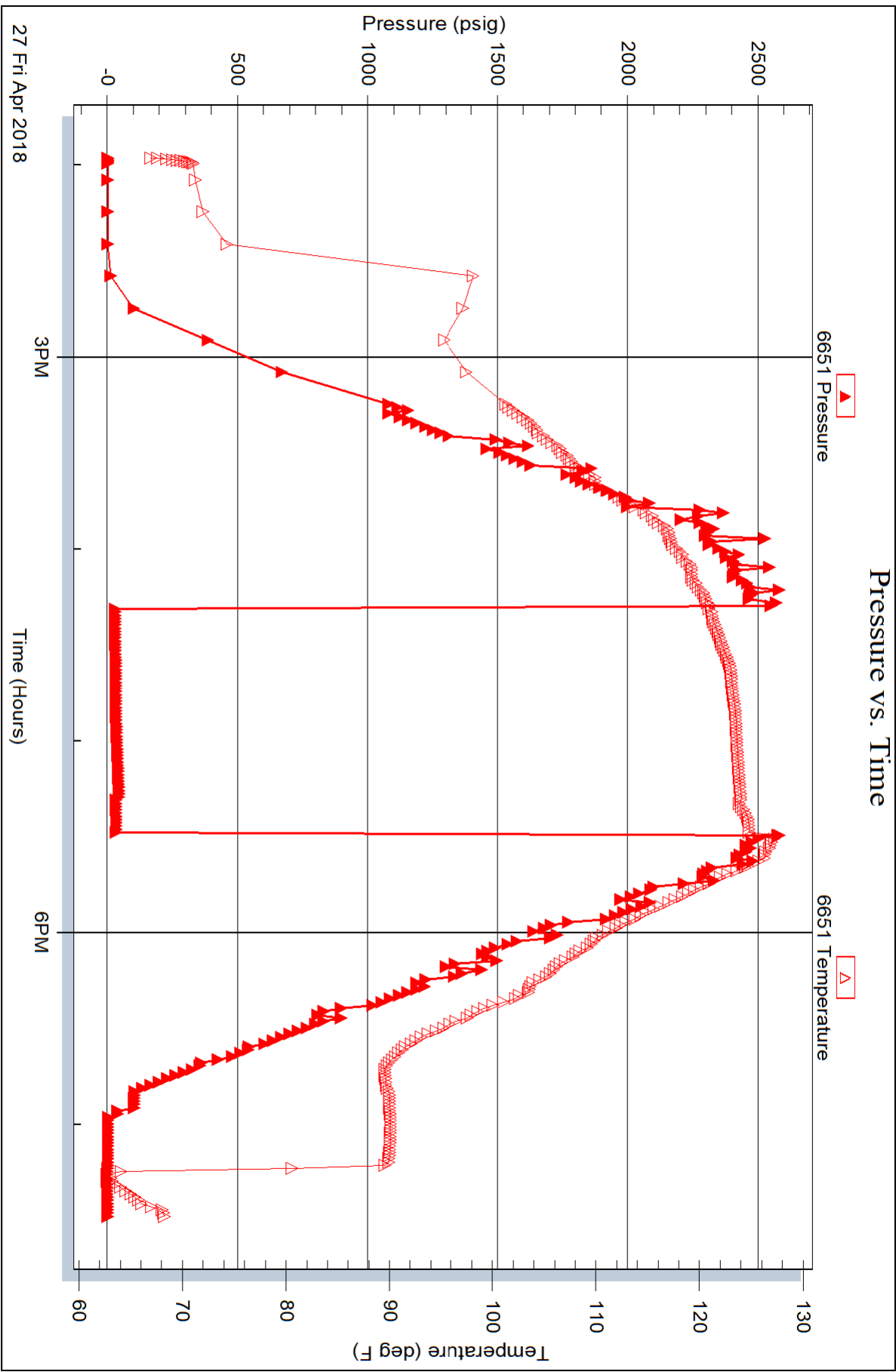
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 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: Kevin Timson

Rita #1-11

11-16s-42w Greeley,KS

Start Date: 2018.04.27 @ 13:57:15

End Date: 2018.04.27 @ 19:28:15

Job Ticket #: 63629 DST #: 1

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

Printed: 2018.04.30 @ 14:30:28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63629 **DST#: 1**
Test Start: 2018.04.27 @ 13:57:15

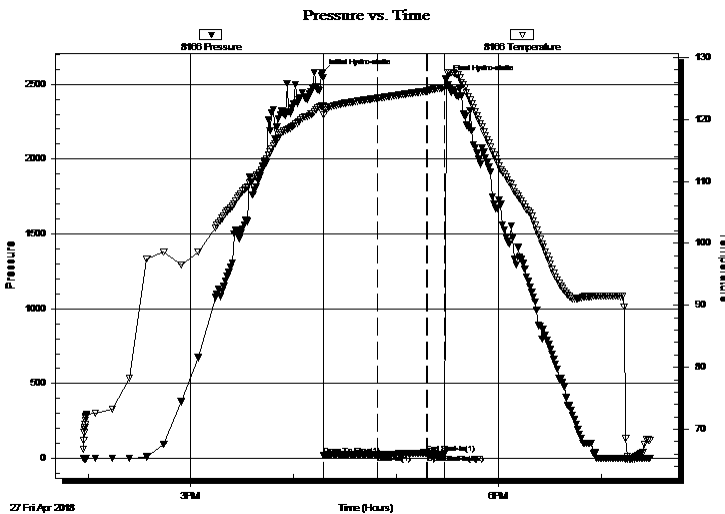
GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:17:45
Time Test Ended: 19:28:15
Interval: **4936.00 ft (KB) To 5021.00 ft (KB) (TVD)**
Total Depth: 5021.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3789.00 ft (KB)
3777.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8166 Outside
Press@RunDepth: 25.11 psig @ 4937.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.04.27 End Date: 2018.04.27 Last Calib.: 2018.04.27
Start Time: 13:57:20 End Time: 19:28:14 Time On Btm: 2018.04.27 @ 16:16:45
Time Off Btm: 2018.04.27 @ 17:29:15

TEST COMMENT: IF: 1/4" blow died in 8 min.
IS: No return.
FF: No blow.
FS: Pulled tool.

PRESSURE SUMMARY



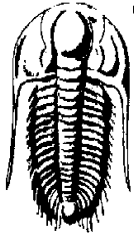
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2574.06	122.18	Initial Hydro-static
1	22.55	120.81	Open To Flow (1)
33	25.11	123.44	Shut-In(1)
61	36.96	124.56	End Shut-In(1)
62	26.89	124.58	Open To Flow (2)
72	26.60	125.14	Shut-In(2)
73	2531.83	126.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
 3118 Cummings Rd
 Garden City, KS 67846
 ATTN: Kevin Timson

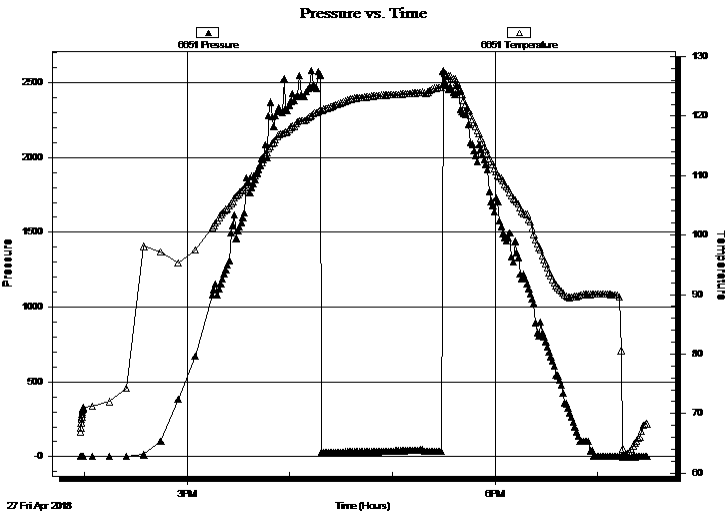
11-16s-42w Greeley,KS
Rita #1-11
 Job Ticket: 63629 **DST#: 1**
 Test Start: 2018.04.27 @ 13:57:15

GENERAL INFORMATION:

Formation: Morrow		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 16:17:45		Tester: Brandon Turley
Time Test Ended: 19:28:15		Unit No: 79
Interval: 4936.00 ft (KB) To 5021.00 ft (KB) (TVD)		Reference Elevations: 3789.00 ft (KB)
Total Depth: 5021.00 ft (KB) (TVD)		3777.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 12.00 ft

Serial #: 6651	Inside				
Press@RunDepth:	psig @	4937.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2018.04.27	End Date:	2018.04.27	Last Calib.:	2018.04.27
Start Time:	13:57:45	End Time:	19:28:39	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: 1/4" blow died in 8 min.
 IS: No return.
 FF: No blow.
 FS: Pulled tool.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100%m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63629 **DST#: 1**
Test Start: 2018.04.27 @ 13:57:15

Tool Information

Drill Pipe:	Length: 4760.00 ft	Diameter: 3.80 inches	Volume: 66.77 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	95000.00 lb
			<u>Total Volume: 67.64 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4936.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	85.00 ft				
Tool Length:	112.00 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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Stubb	1.00			4910.00	
Shut In Tool	5.00			4915.00	
Hydraulic tool	5.00			4920.00	
Jars	5.00			4925.00	
Safety Joint	2.00			4927.00	
Packer	5.00			4932.00	27.00 Bottom Of Top Packer
Packer	4.00			4936.00	
Stubb	1.00			4937.00	
Recorder	0.00	6651	Inside	4937.00	
Recorder	0.00	8166	Outside	4937.00	
Perforations	14.00			4951.00	
Change Over Sub	1.00			4952.00	
Drill Pipe	63.00			5015.00	
Change Over Sub	1.00			5016.00	
Bullnose	5.00			5021.00	85.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63629 **DST#: 1**
Test Start: 2018.04.27 @ 13:57:15

Mud and Cushion Information

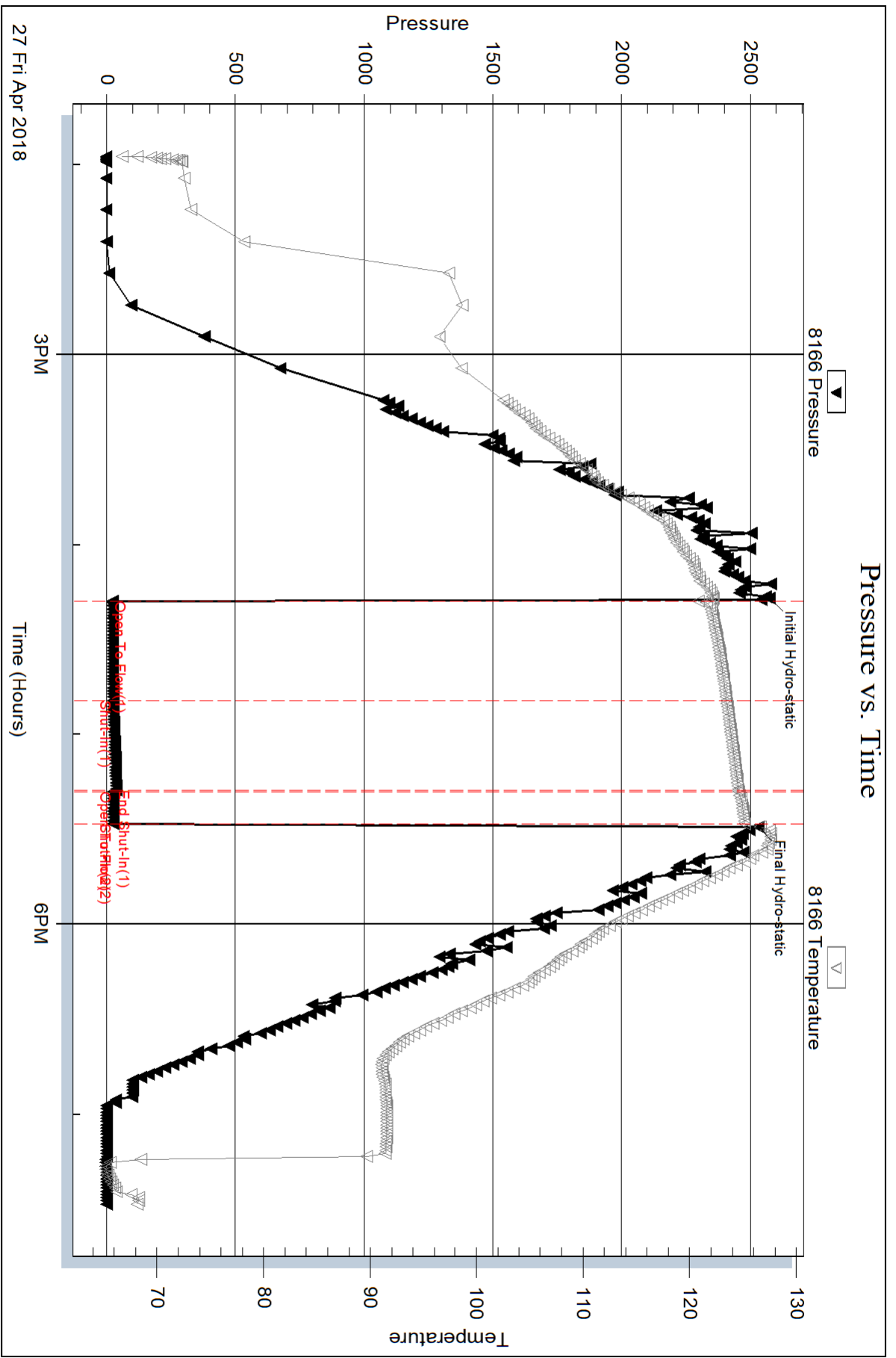
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



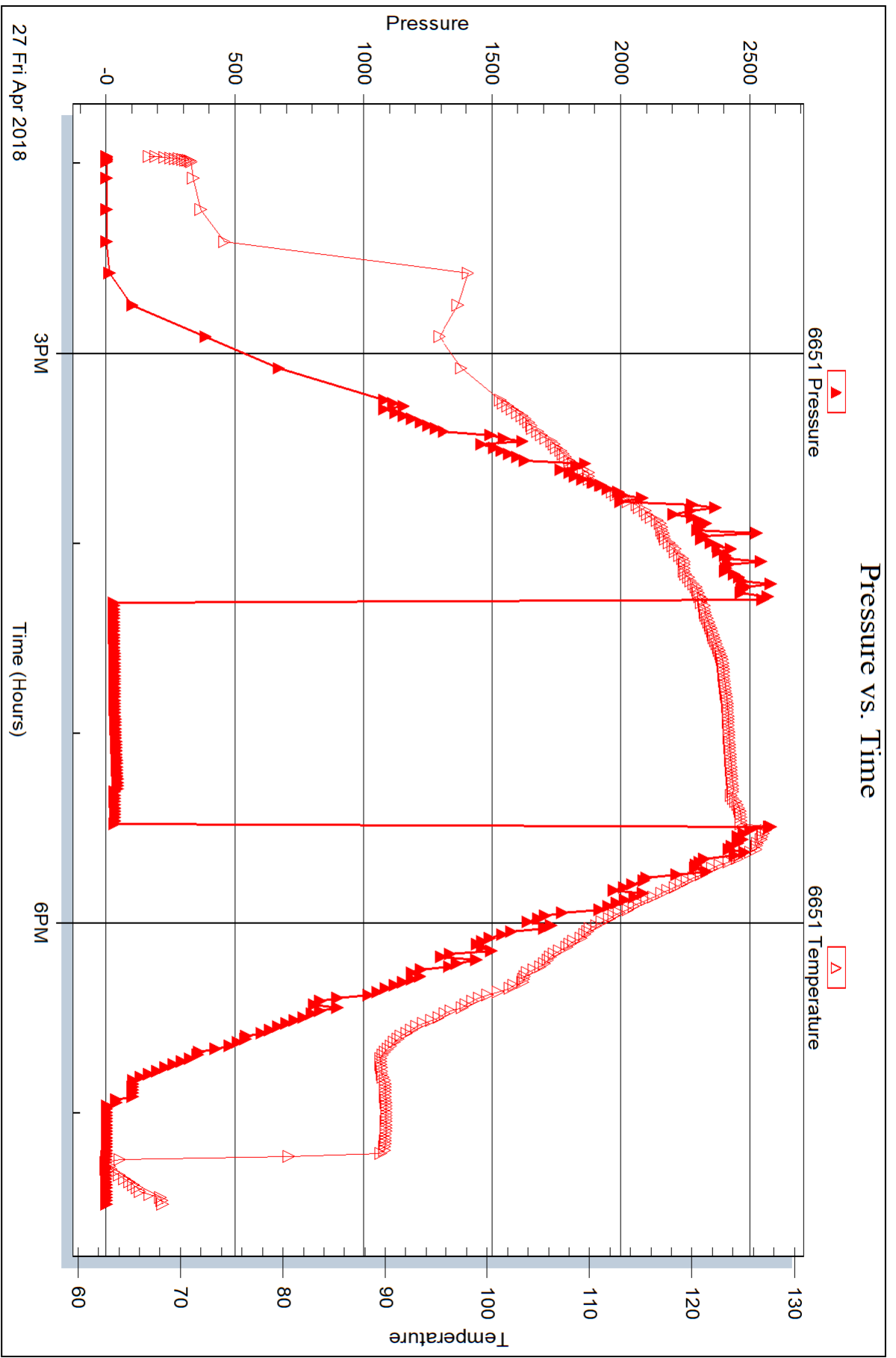
Serial #: 6651

Inside

American Warrior Inc

Rita #1-11

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63629

Printed: 2018.04.30 @ 14:30:29



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Kevin Timson

Rita #1-11

11-16s-42w Greeley,KS

Start Date: 2018.04.28 @ 07:49:49

End Date: 2018.04.28 @ 13:45:49

Job Ticket #: 63630 DST #: 2

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

Printed: 2018.04.30 @ 14:29:43

American Warrior Inc
11-16s-42w Greeley,KS
Rita #1-11
DST # 2
Morrow
2018.04.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS

Rita #1-11

Job Ticket: 63630

DST#: 2

Test Start: 2018.04.28 @ 07:49:49

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:20:49

Time Test Ended: 13:45:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4937.00 ft (KB) To 5121.00 ft (KB) (TVD)

Total Depth: 5121.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3789.00 ft (KB)

3777.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8166 Outside

Press@RunDepth: 40.13 psig @ 4938.00 ft (KB)

Start Date: 2018.04.28

End Date:

2018.04.28

Start Time: 07:49:54

End Time:

13:45:48

Capacity: 8000.00 psig

Last Calib.: 2018.04.28

Time On Btm: 2018.04.28 @ 10:18:49

Time Off Btm: 2018.04.28 @ 11:32:19

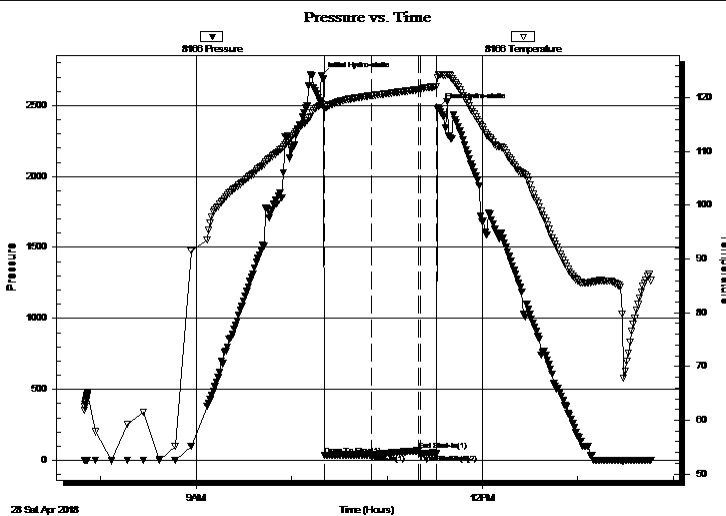
TEST COMMENT: IF: 3/4" blow died in 15 min.

IS: No return.

FF: No blow.

FS: Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2707.13	118.84	Initial Hydro-static
2	34.55	117.98	Open To Flow (1)
32	40.13	120.40	Shut-In(1)
61	68.03	121.52	End Shut-In(1)
62	44.27	121.57	Open To Flow (2)
72	44.96	122.13	Shut-In(2)
74	2486.57	124.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

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
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63630 **DST#: 2**
Test Start: 2018.04.28 @ 07:49:49

Tool Information

Drill Pipe:	Length: 4761.00 ft	Diameter: 3.80 inches	Volume: 66.78 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 67.65 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4937.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	184.00 ft				
Tool Length:	211.00 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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Stubb	1.00			4911.00	
Shut In Tool	5.00			4916.00	
Hydraulic tool	5.00			4921.00	
Jars	5.00			4926.00	
Safety Joint	2.00			4928.00	
Packer	5.00			4933.00	27.00 Bottom Of Top Packer
Packer	4.00			4937.00	
Stubb	1.00			4938.00	
Recorder	0.00	6651	Inside	4938.00	
Recorder	0.00	8166	Outside	4938.00	
Perforations	19.00			4957.00	
Change Over Sub	1.00			4958.00	
Drill Pipe	157.00			5115.00	
Change Over Sub	1.00			5116.00	
Bullnose	5.00			5121.00	184.00 Bottom Packers & Anchor

Total Tool Length: 211.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63630 **DST#: 2**
Test Start: 2018.04.28 @ 07:49:49

Mud and Cushion Information

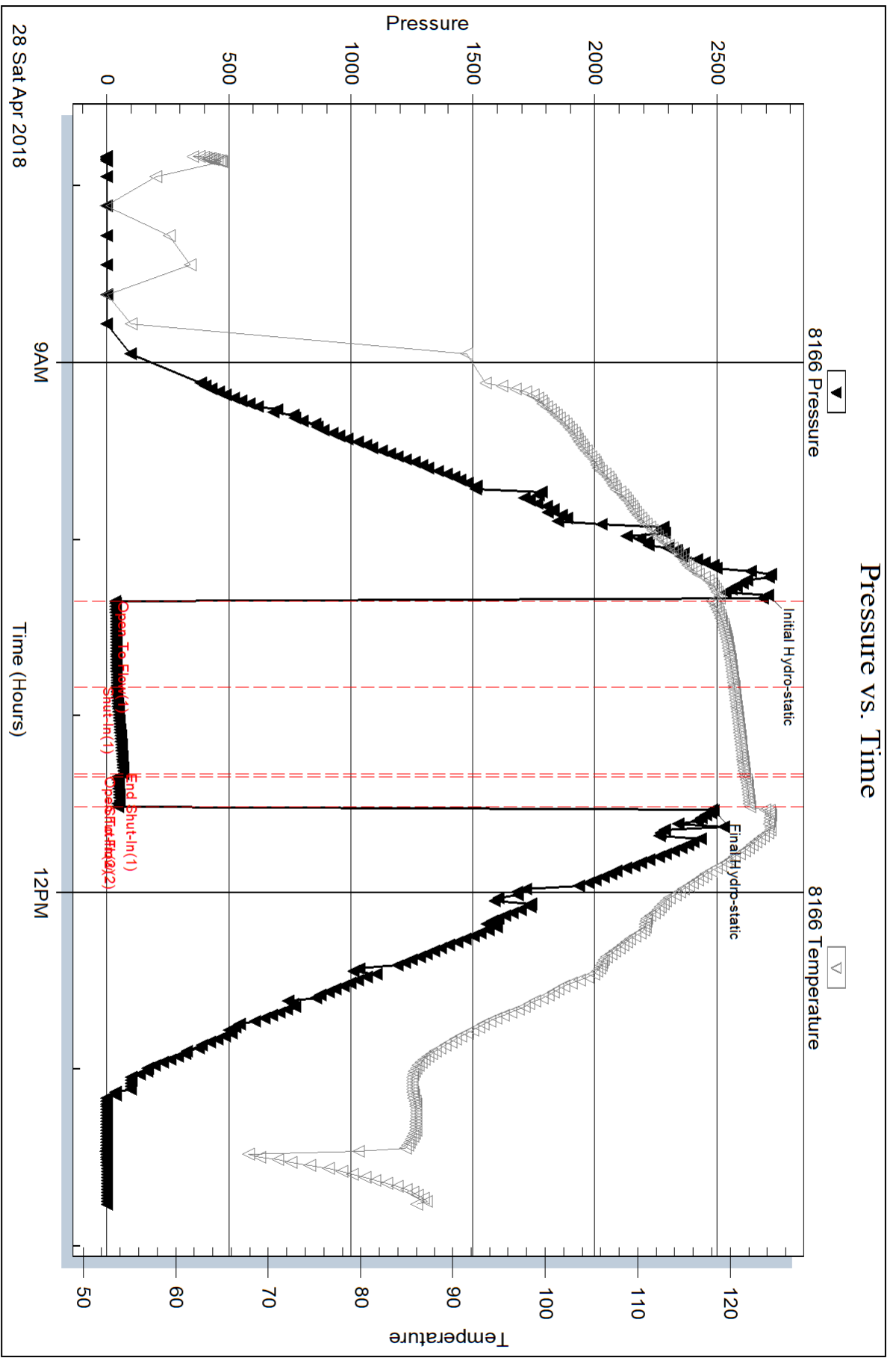
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



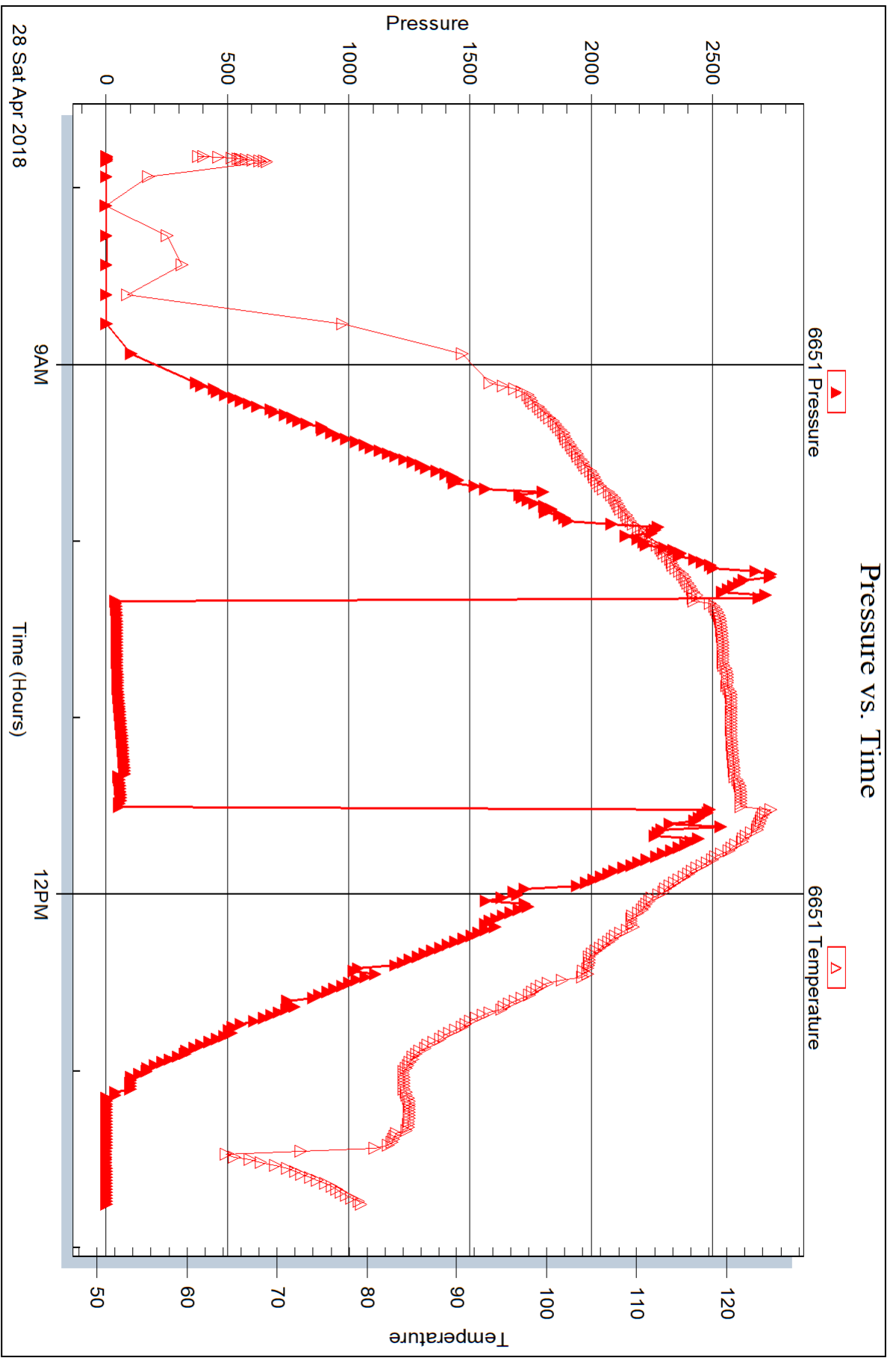
Serial #: 6651

Inside

American Warrior Inc

Rita #1-11

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Kevin Timson

Rita #1-11

11-16s-42w Greeley,KS

Start Date: 2018.04.29 @ 15:34:34

End Date: 2018.04.29 @ 21:55:34

Job Ticket #: 63631 DST #: 3

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

Printed: 2018.04.30 @ 14:29:15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

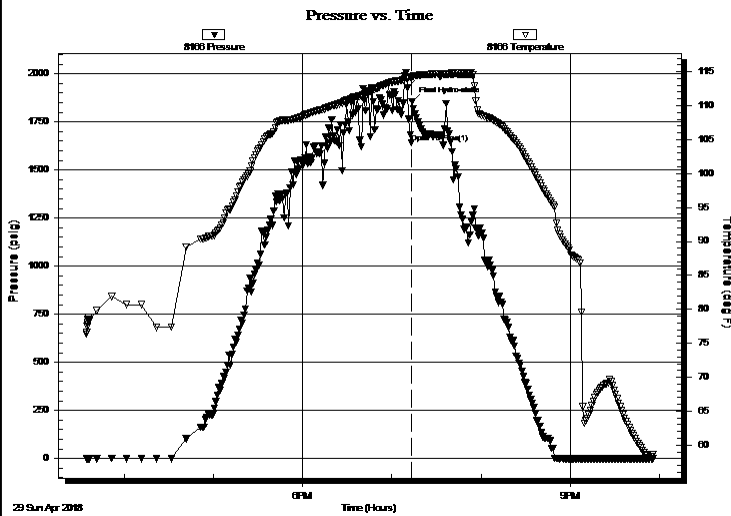
11-16s-42w Greeley, KS
Rita #1-11
Job Ticket: 63631 **DST#: 3**
Test Start: 2018.04.29 @ 15:34:34

GENERAL INFORMATION:

Formation: **Lansing A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:13:04
Time Test Ended: 21:55:34
Interval: **4116.00 ft (KB) To 4176.00 ft (KB) (TVD)**
Total Depth: 5350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 3789.00 ft (KB)
3777.00 ft (CF)
KB to GR/CF: 12.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Serial #: 8166 Outside
Press@RunDepth: psig @ 4117.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.04.29 End Date: 2018.04.29 Last Calib.: 2018.04.29
Start Time: 15:34:39 End Time: 21:55:33 Time On Btm: 2018.04.29 @ 19:10:34
Time Off Btm: 2018.04.29 @ 19:13:34

TEST COMMENT: Hit a bridge at 4018 pushed the tool 16 stands before that trying to get to bottom or 4176 with hook w all.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.76	114.01	Initial Hydro-static
3	1640.57	114.22	Open To Flow (1)
3	1854.86	114.30	Final Hydro-static

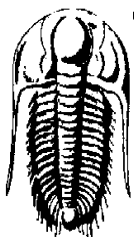
Recovery

Length (ft)	Description	Volume (bbl)
0.00	no fluid	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley, KS
Rita #1-11
Job Ticket: 63631 **DST#: 3**
Test Start: 2018.04.29 @ 15:34:34

GENERAL INFORMATION:

Formation: **Lansing A**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:13:04
Time Test Ended: 21:55:34

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Interval: 4116.00 ft (KB) To 4176.00 ft (KB) (TVD)
Total Depth: 5350.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

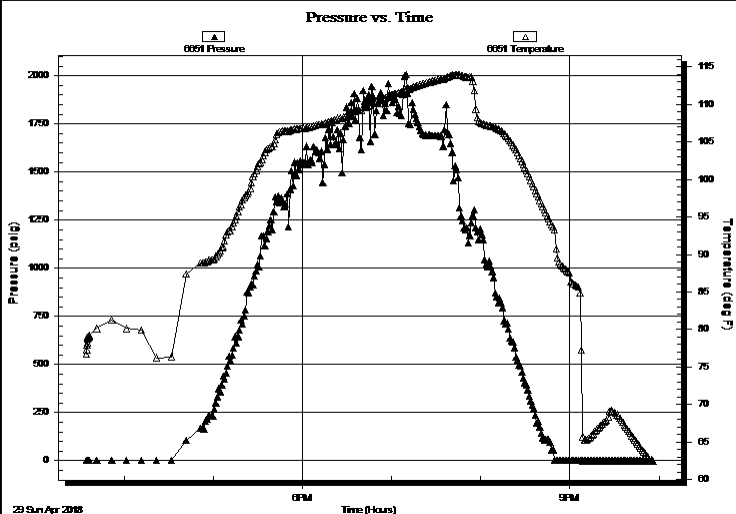
Reference Elevations: 3789.00 ft (KB)
3777.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6651 **Inside**

Press@RunDepth: psig @ 4117.00 ft (KB)
Start Date: 2018.04.29 End Date: 2018.04.29
Start Time: 15:34:51 End Time: 21:55:45

Capacity: 8000.00 psig
Last Calib.: 2018.04.29
Time On Btm:
Time Off Btm:

TEST COMMENT: Hit a bridge at 4018 pushed the tool 16 stands before that trying to get to bottom or 4176 with hook w all.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	no fluid	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 3118 Cummings Rd
 Garden City, KS 67846
 ATTN: Kevin Timson

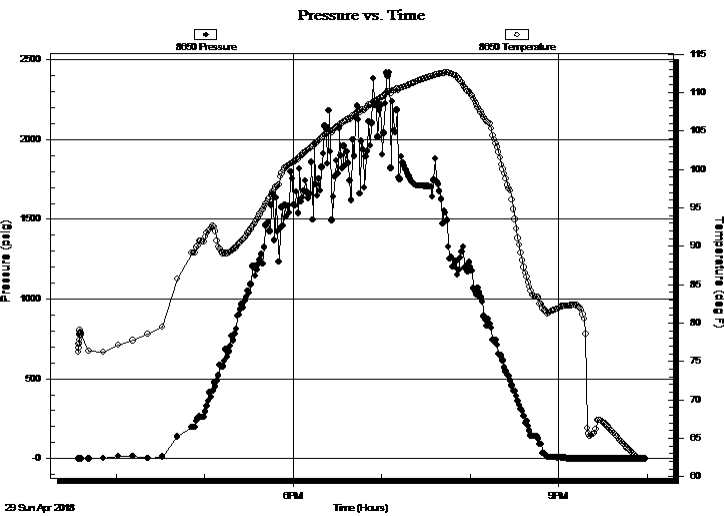
11-16s-42w Greeley,KS
Rita #1-11
 Job Ticket: 63631 **DST#: 3**
 Test Start: 2018.04.29 @ 15:34:34

GENERAL INFORMATION:

Formation: **Lansing A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 19:13:04 Tester: Brandon Turley
 Time Test Ended: 21:55:34 Unit No: 79
 Interval: **4116.00 ft (KB) To 4176.00 ft (KB) (TVD)** Reference Elevations: 3789.00 ft (KB)
 Total Depth: 5350.00 ft (KB) (TVD) 3777.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8650 Below (Straddle)
 Press@RunDepth: psig @ 4183.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.04.29 End Date: 2018.04.29 Last Calib.: 2018.04.29
 Start Time: 15:34:28 End Time: 21:58:22 Time On Btm:
 Time Off Btm:

TEST COMMENT: Hit a bridge at 4018 pushed the tool 16 stands before that trying to get to bottom or 4176 with hook w all.



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

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	no fluid	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
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63631 **DST#: 3**
Test Start: 2018.04.29 @ 15:34:34

Tool Information

Drill Pipe:	Length: 3945.00 ft	Diameter: 3.80 inches	Volume: 55.34 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: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 56.21 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4116.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	136.00 ft			
Tool Length:	163.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4090.00	
Shut In Tool	5.00			4095.00	
Hydraulic tool	5.00			4100.00	
Jars	5.00			4105.00	
Safety Joint	2.00			4107.00	
Packer	5.00			4112.00	27.00 Bottom Of Top Packer
Packer	4.00			4116.00	
Stubb	1.00			4117.00	
Recorder	0.00	6651	Inside	4117.00	
Recorder	0.00	8166	Outside	4117.00	
Perforations	5.00			4122.00	
Change Over Sub	1.00			4123.00	
Drill Pipe	32.00			4155.00	
Change Over Sub	1.00			4156.00	
Perforations	15.00			4171.00	
Blank Off Sub	1.00			4172.00	
Packer - Shale	4.00			4176.00	
Stubb	1.00			4177.00	
hook w all	5.00			4182.00	
Change Over Sub	1.00			4183.00	
Recorder	0.00	8650	Below	4183.00	
Drill Pipe	63.00			4246.00	
Change Over Sub	1.00			4247.00	
Bullnose	5.00			4252.00	136.00 Bottom Packers & Anchor
Total Tool Length:	163.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

11-16s-42w Greeley,KS
Rita #1-11
Job Ticket: 63631 **DST#: 3**
Test Start: 2018.04.29 @ 15:34:34

Mud and Cushion Information

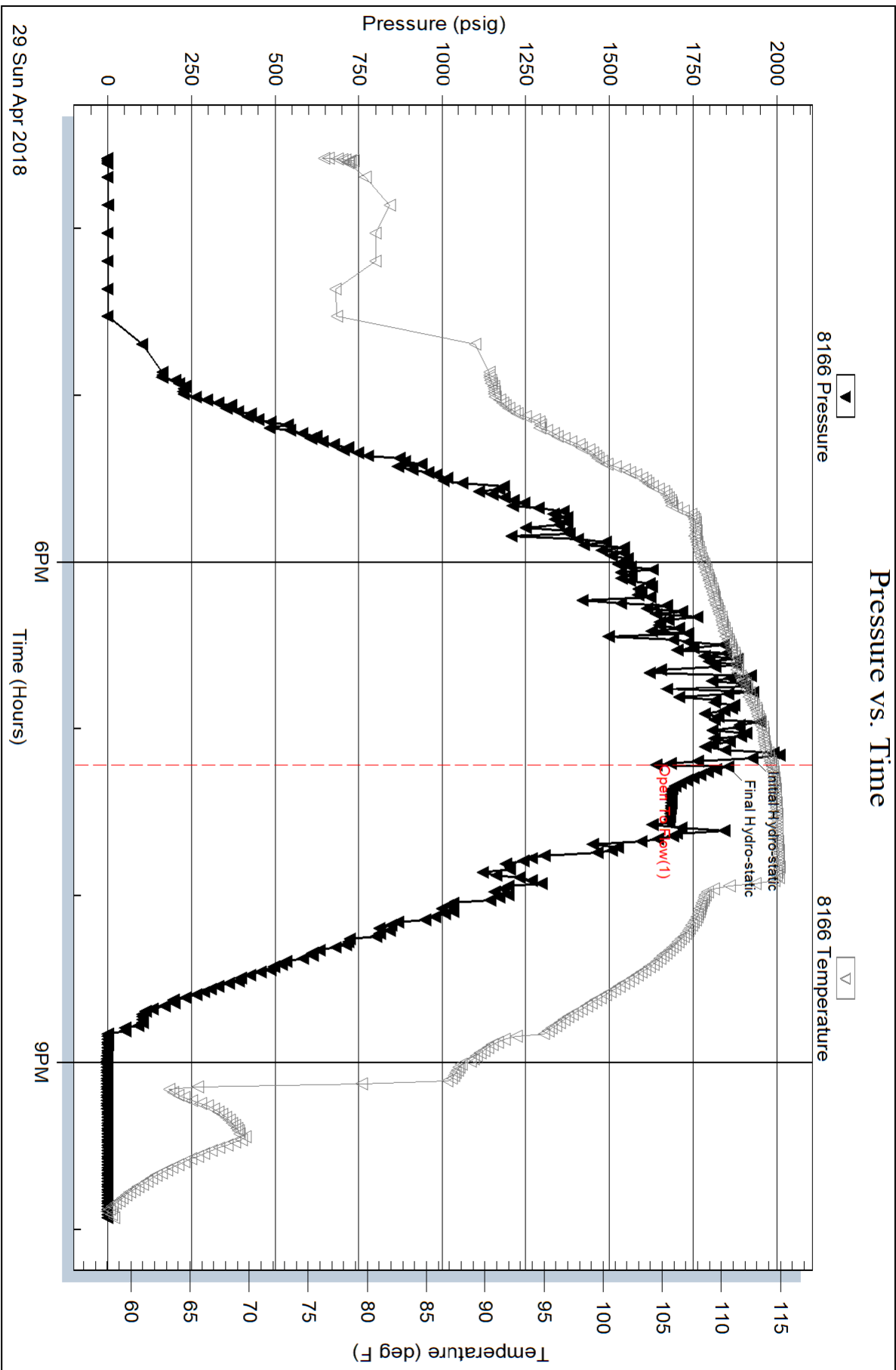
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	no fluid	0.000

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



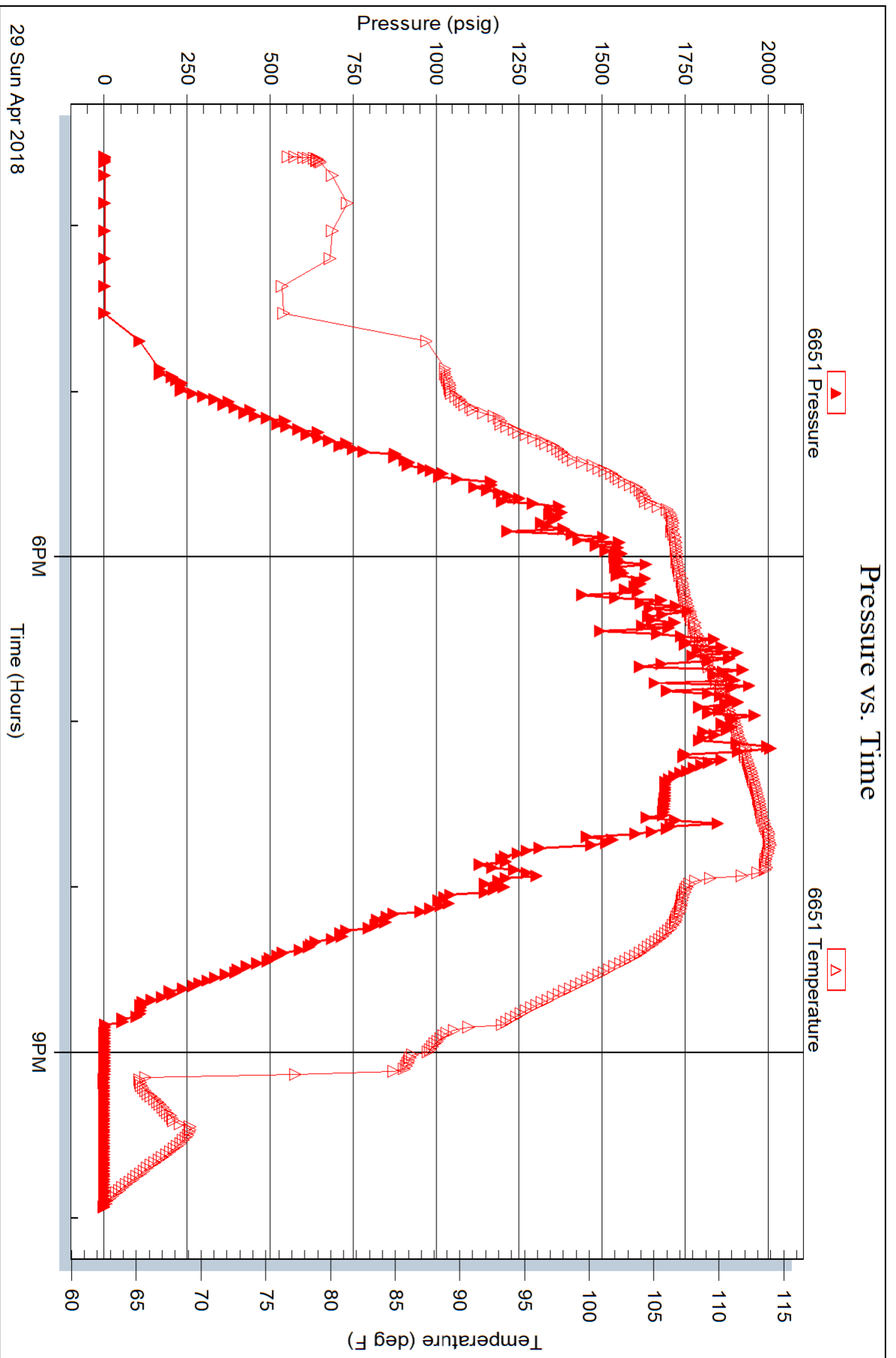
Serial #: 6651

Inside

American Warrior Inc

Rita #1-11

DST Test Number: 3

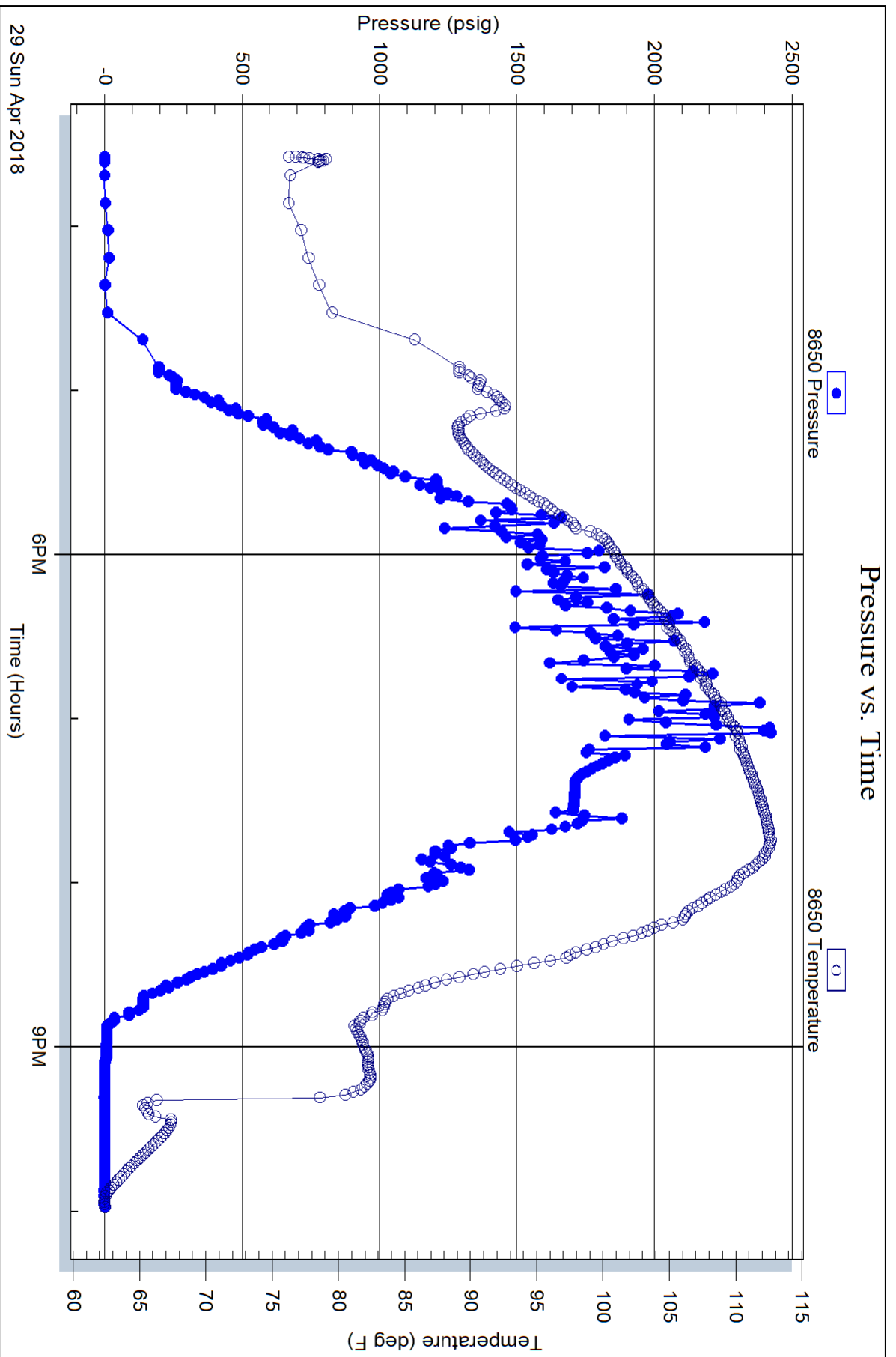


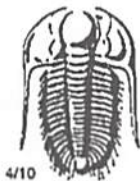
Serial #: 8650

Below (Strat) Warren Warrior Inc

Rita #1-11

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63629

Well Name & No. Rita #1-11 Test No. 1 Date 4-27-18
 Company American Warrior Inc Elevation 3789 KB 3777 GL
 Address 3118 Cummings Rd Garden city, KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #7
 Location: Sec. 11 Twp 16 Rge. 42 Co. Greeley State KS

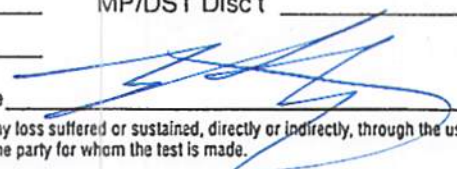
Interval Tested 4936 5021 Zone Tested Morrow
 Anchor Length 85 Drill Pipe Run 4760 Mud Wt. 9.4
 Top Packer Depth 4931 Drill Collars Run 177 Vis 51
 Bottom Packer Depth 4936 Wt. Pipe Run --- WL 7.2
 Total Depth 5021 Chlorides 2000 ppm System LCM 4
 Blow Description IF: 1/4 blow died in 8 min.

ISI No return.
FF: No blow.
FSI Pulled tool

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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 5 BHT 125 Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic <u>2574</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12:45</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>13:57</u>
(C) First Final Flow <u>25</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:18</u>
(D) Initial Shut-In <u>36</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>17:28</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>19:30</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>152-</u> 152	Comments
(G) Final Shut-In <u>---</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2531</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>10</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>Pull</u>	<input type="checkbox"/> Day Standby	Total <u>1727</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1727</u>	

Approved By _____ Our Representative 

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. 63630

Well Name & No. Rita # 1-11 Test No. 2 Date 4-28-18
 Company American warrior inc Elevation 3789 KB 3777 GL
 Address _____
 Co. Rep / Geo. Kevin Timson Rig Duke 7
 Location: Sec. 11 Twp 16 Rge. 42 Co. Greeley State KS

Interval Tested 4937 5121 Zone Tested Morrow
 Anchor Length 184 Drill Pipe Run 4761 Mud Wt. 9.4
 Top Packer Depth 4932 Drill Collars Run 177 Vis 51
 Bottom Packer Depth 4937 Wt. Pipe Run _____ WL 7.2
 Total Depth 5121 Chlorides 2000 ppm System LCM 4


Blow Description IF: 3/4 blow dtd in 15 min.
IS: No return.
FF: No blow.
FS: Packed tool

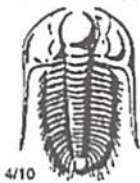
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 10 BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2707 Test 1250 T-On Location 7:00
 (B) First Initial Flow 34 Jars 250 T-Started 7:49
 (C) First Final Flow 40 Safety Joint 75 T-Open 10:20
 (D) Initial Shut-In 68 Circ Sub NIC T-Pulled 11:30
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 13:45
 (F) Second Final Flow 44 Mileage 152 - 152 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2486 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In Pull
 Sub Total 1727
 Total 1727
 MP/DST Disc't _____

Approved By _____ Our Representative 
 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. 63631

Well Name & No. Ritz #1-11 Test No. 3 Date 4-29-18
 Company American Warrior Inc Elevation 3789 KB 3777 GL
 Address _____
 Co. Rep / Geo. Kevin Timson Rig Duke 7
 Location: Sec. 11 Twp 16 Rge. 42 Co. Greeley State KS

Interval Tested 4116 4176 Zone Tested Lansing A
 Anchor Length 60 Drill Pipe Run 3945 Mud Wt. 9.4
 Top Packer Depth 4116 Drill Collars Run 177 Vis 63
 Bottom Packer Depth 4176 Wt. Pipe Run _____ WL 8.0
 Total Depth 5350 Chlorides 3000 ppm System LCM 3
 Blow Description Hit a bridge at 4018 pushed to tool 16 stand before that trying to get to bottom, or 4176 with hook w/ll

Rec	Feet of	%gas	%oil	%water	%mud
	<u>NO Fluid</u>				

Rec Total 0 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1925 Test 1050 T-On Location 14:30
 (B) First Initial Flow 1640 Jars 250 T-Started 15:34
 (C) First Final Flow _____ Safety Joint 75 T-Open _____
 (D) Initial Shut-In _____ Circ Sub W/L T-Pulled 19:30
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 21:56
 (F) Second Final Flow _____ Mileage 152 152 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1854 Straddle 600.00 Ruined Shale Packer _____
 Shale Packer 250.00 Ruined Packer _____
 Initial Open _____ Extra Packer _____ Extra Copies _____
 Initial Shut-In _____ Extra Recorder _____ Sub Total 0
 Final Flow _____ Day Standby _____ Total 2877
 Final Shut-In _____ Hook w/ll 500.00 Accessibility _____ MP/DST Disc't _____
 Sub Total 2877

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of 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.**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

11-16-42 Greeley Ks
Rita 1-11
Job Ticket: 63630 **DST#: 2**
Test Start: 2018.04.28 @ 07:49:49

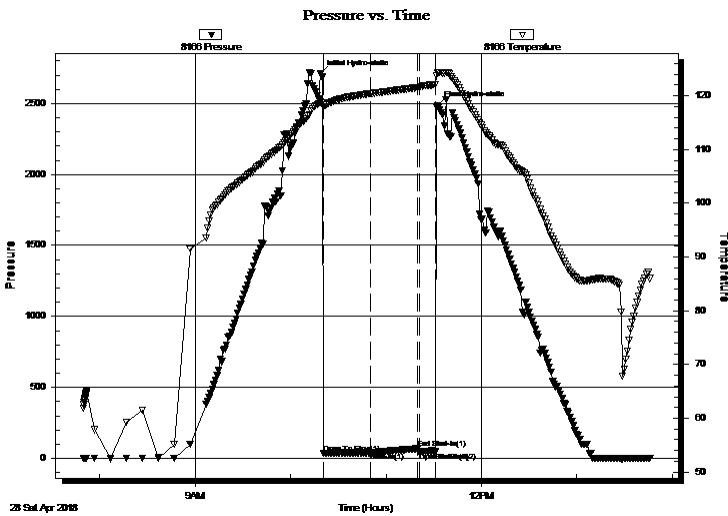
GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:20:49
Time Test Ended: 13:45:49
Interval: **4937.00 ft (KB) To 5121.00 ft (KB) (TVD)**
Total Depth: 5121.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3789.00 ft (KB)
3777.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8166 Outside
Press@RunDepth: 40.13 psig @ 4938.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.04.28 End Date: 2018.04.28 Last Calib.: 2018.04.28
Start Time: 07:49:54 End Time: 13:45:48 Time On Btm: 2018.04.28 @ 10:18:49
Time Off Btm: 2018.04.28 @ 11:32:19

TEST COMMENT: IF: 3/4 blow died in 15 min.
IS: No return.
FF: No blow.
FS: Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2707.13	118.84	Initial Hydro-static
2	34.55	117.98	Open To Flow (1)
32	40.13	120.40	Shut-In(1)
61	68.03	121.52	End Shut-In(1)
62	44.27	121.57	Open To Flow (2)
72	44.96	122.13	Shut-In(2)
74	2486.57	124.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

11-16-42 Greeley Ks
Rita 1-11
Job Ticket: 63630 **DST#: 2**
Test Start: 2018.04.28 @ 07:49:49

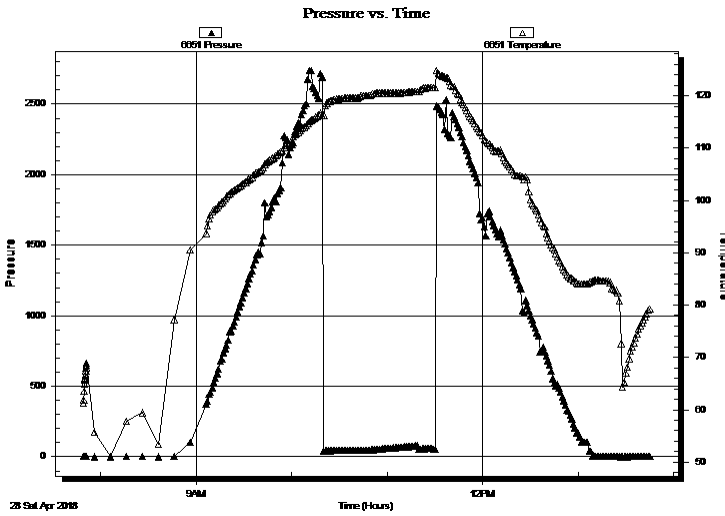
GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:20:49
Time Test Ended: 13:45:49
Interval: **4937.00 ft (KB) To 5121.00 ft (KB) (TVD)**
Total Depth: 5121.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3789.00 ft (KB)
3777.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6651 Inside
Press@RunDepth: psig @ 4938.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.04.28 End Date: 2018.04.28 Last Calib.: 2018.04.28
Start Time: 07:49:13 End Time: 13:45:07 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: 3/4 blow died in 15 min.
IS: No return.
FF: No blow.
FS: Pulled tool

PRESSURE SUMMARY



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

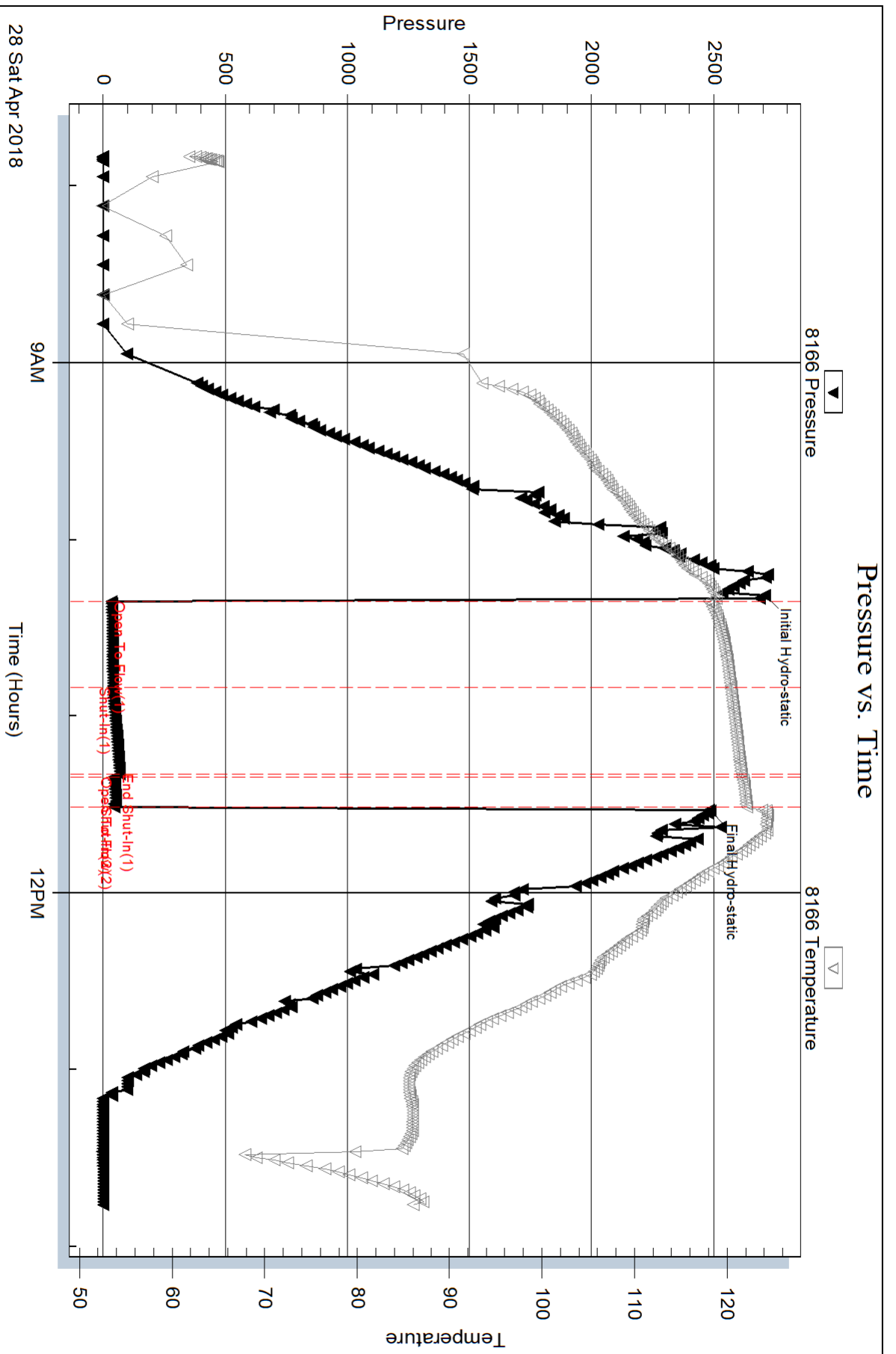
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

Gas Rates

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

* Recovery from multiple tests



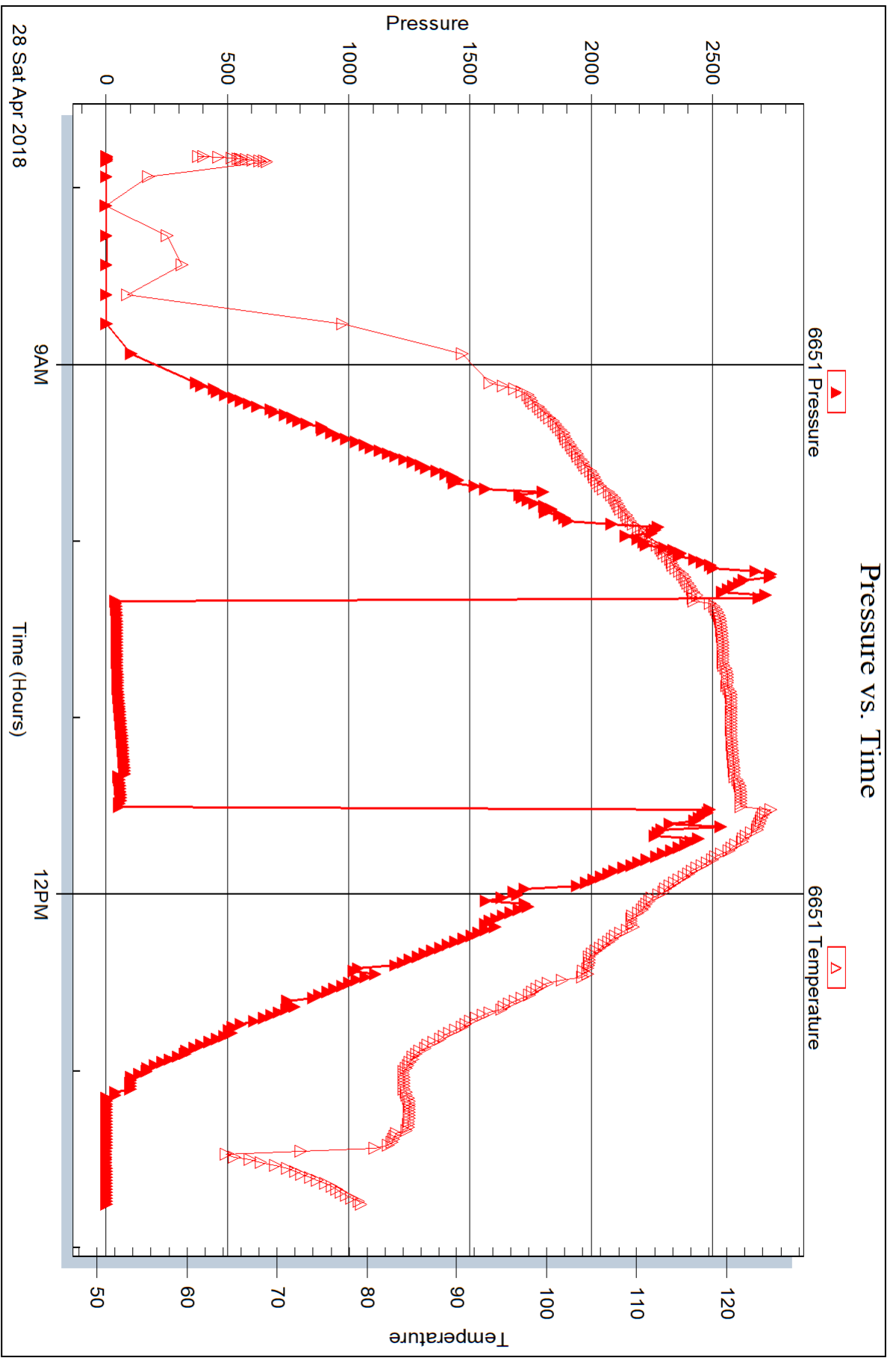
Serial #: 6651

Inside

American Warrior Inc

Rita 1-11

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

11-16-42 Greeley Ks

Rita 1-11

Job Ticket: 63631

DST#: 3

Test Start: 2018.04.29 @ 15:34:34

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:13:04

Time Test Ended: 21:55:34

Interval: 4116.00 ft (KB) To 4176.00 ft (KB) (TVD)

Total Depth: 5350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 3789.00 ft (KB)

3777.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8166 Outside

Press@RunDepth: psig @ 4117.00 ft (KB)

Start Date: 2018.04.29

End Date:

2018.04.29

Start Time: 15:34:39

End Time:

21:55:33

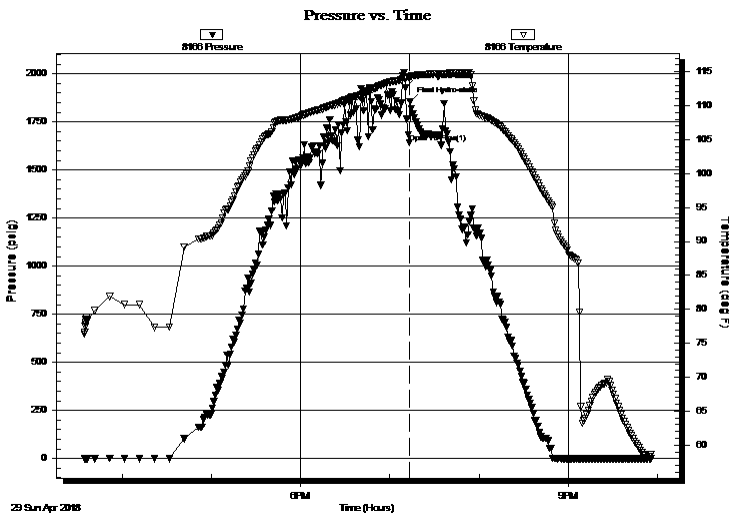
Capacity: 8000.00 psig

Last Calib.: 2018.04.29

Time On Btm: 2018.04.29 @ 19:10:34

Time Off Btm: 2018.04.29 @ 19:13:34

TEST COMMENT: Hit a bridge at 4018 pushed the tool 16 stands before that trying to get to bottom or 4176 with hook w all.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.76	114.01	Initial Hydro-static
3	1640.57	114.22	Open To Flow (1)
3	1854.86	114.30	Final Hydro-static

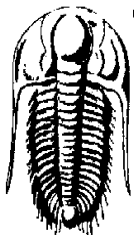
Recovery

Length (ft)	Description	Volume (bbl)
0.00	no fluid	0.00

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

11-16-42 Greeley Ks
Rita 1-11
Job Ticket: 63631 **DST#: 3**
Test Start: 2018.04.29 @ 15:34:34

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:13:04

Time Test Ended: 21:55:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4116.00 ft (KB) To 4176.00 ft (KB) (TVD)

Reference Elevations: 3789.00 ft (KB)

Total Depth: 5350.00 ft (KB) (TVD)

3777.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 6651

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.29

End Date: 2018.04.29

Last Calib.: 2018.04.29

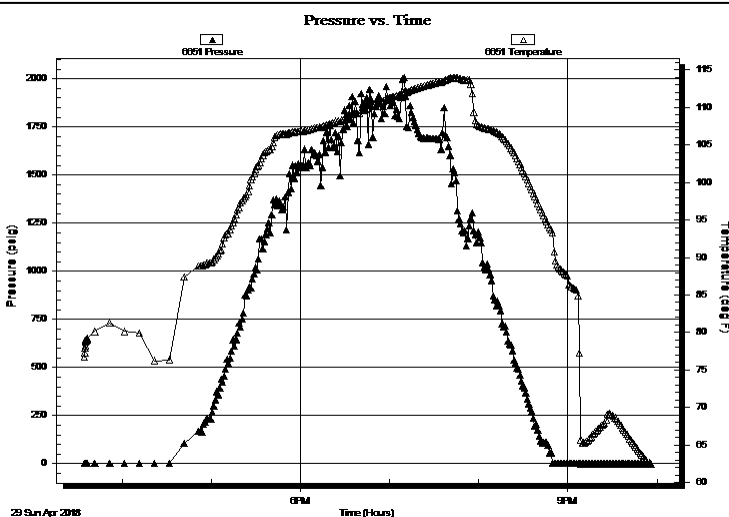
Start Time: 15:34:51

End Time: 21:55:45

Time On Btm:

Time Off Btm:

TEST COMMENT: Hit a bridge at 4018 pushed the tool 16 stands before that trying to get to bottom or 4176 with hook w all.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	no fluid	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, Ks 67846
ATTN: Kevin Timson

11-16-42 Greeley Ks
Rita 1-11
Job Ticket: 63631 **DST#: 3**
Test Start: 2018.04.29 @ 15:34:34

Mud and Cushion Information

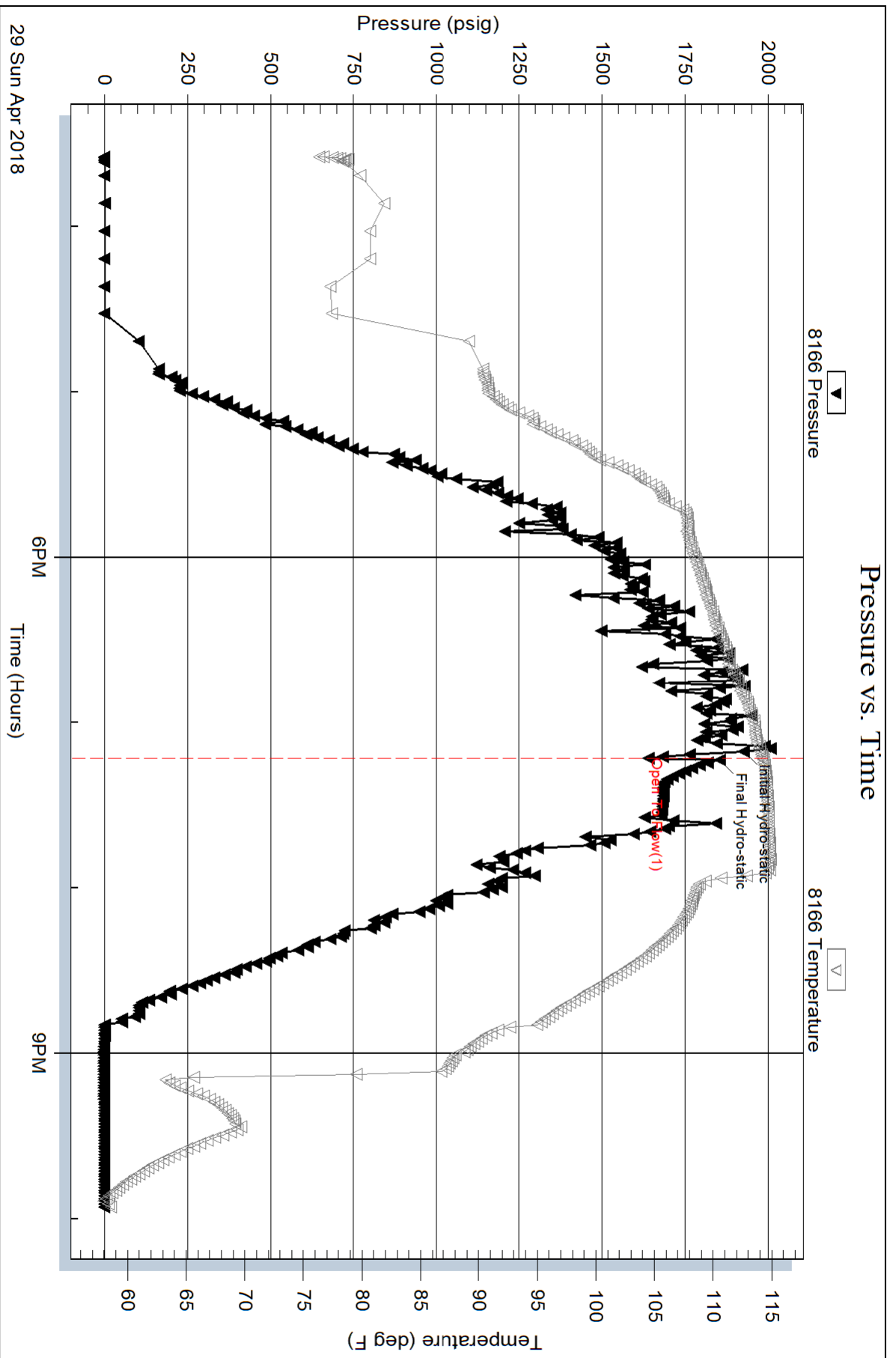
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

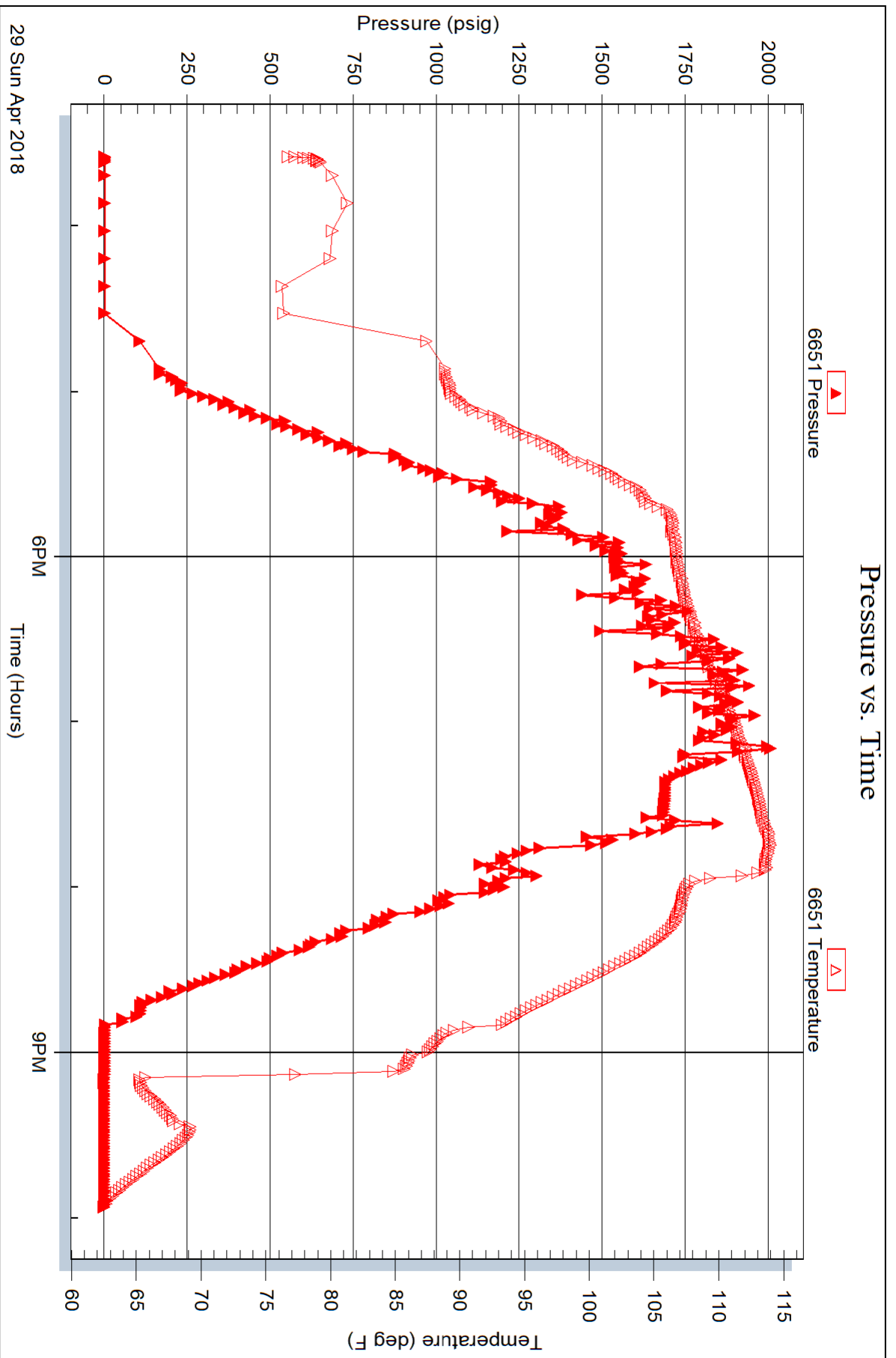
Recovery Information

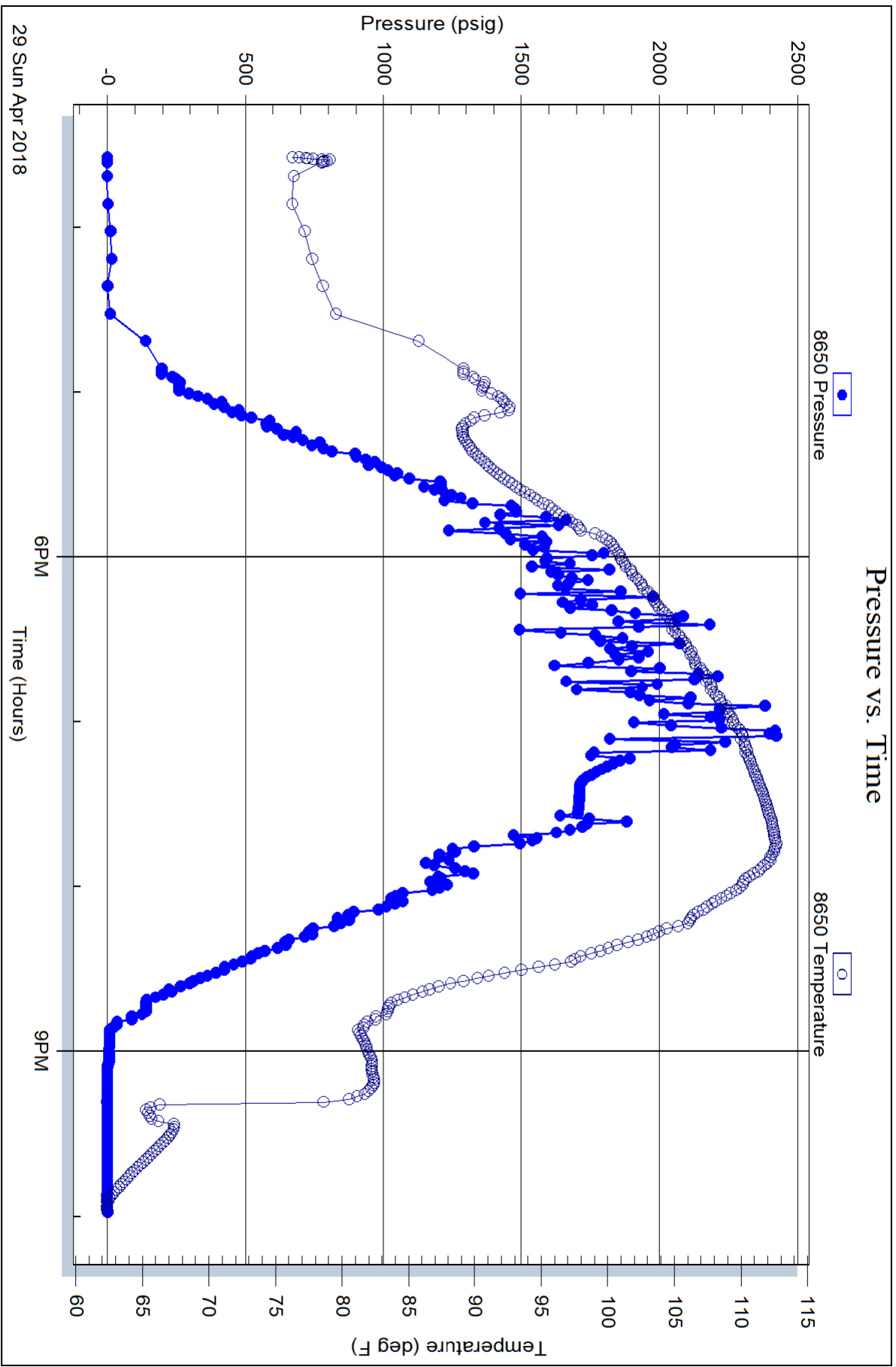
Recovery Table

Length ft	Description	Volume bbl
0.00	no fluid	0.000

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









Services, Inc. #28100

CHARGE TO: American Warrior
ADDRESS
CITY, STATE, ZIP CODE

TICKET 031388

PAGE 1 OF 2

SERVICE LOCATIONS

1. well city ks
2. well city ks
3. well city ks
4. well city ks

WELL/PROJECT NO. 1-11
CONTRACTOR
TICKET TYPE
 SERVICE
 SALES
WELL TYPE
WELL CATEGORY
JOB PURPOSE
INVOICE INSTRUCTIONS

COUNTY/PARISH Greeley
RIFA
RIG NAME/NO. 7
cement long string

STATE KS
CITY TRIBONE
DELIVERED TO location
WELL PERMIT NO.
WELL LOCATION 11-16-42

DATE 30 APR 18
ORDER NO.

OWNER

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	DISAGREE	UNIT PRICE	AMOUNT
		LOC	ACCT								
575		1		MILEAGE	140	mi				510	7000.00
578		1		Pump Charge	1	ea				1300.00	1300.00
403		1		Cement Basket	5 1/2	ea	2	ea		275.00	562.50
404		1		Port Collar	5 1/2	in	1	ea		2500.00	2500.00
406		1		Catch down plug & buffer	5 1/2	in	1	ea		250	250.00
407		1		insert float shoe w/ AUTO FILL	5 1/2	in	1	ea		325.00	325.00
409		1		TURBO UZER	5 1/2	in	10	ea		85.00	850.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED
TIME SIGNED
 A.M.
 P.M.
12:00

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL
ABS

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
WE UNDERSTOOD AND MET YOUR NEEDS?
OUR SERVICE WAS PERFORMED WITHOUT DELAY?
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
ARE YOU SATISFIED WITH OUR SERVICE?

AGREE
UNDECIDED
DISAGREE

YES
NO
CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL
6475.00
6608.52
13,083.80

TOTAL
714.80
13997.80

SWIFT OPERATOR

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL

ABS

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 31388

DATE 30 APR 18 PAGE 2 OF 2

WELL Bata 1-11

CUSTOMER American Warrior

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME	DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT								
325		1			Studded cement	200	sk			13.00	2600.00
279		1			Bentonite gel	4 sk	2%	420	lb	30.00	120.00
283		1			Salt	10	%	1000	lb	0.20	200.00
292		1			Wald-372	3/4	%	150	lb	8.00	1200.00
276		1			Floccle	1/4	#	50	lb	2.50	125.00
281		1			Muck Wash	500	gal			1.50	750.00
221		1			KCh Digid	2	gal			25.00	50.00
581		1									
583		1									
						SERVICE CHARGE		200		1.75	350.00
						MILEAGE CHARGE		20400		0.85	1728.00
						TOTAL WEIGHT		1428			
						LOADED MILES		190			
						CUBIC FEET					
						TON MILES					
											1813.80
											6608.80

CONTINUATION TOTAL

JOB LOG

CUSTOMER

William Wescor

WELL NO.

1-11

LEASE

Rita

SWIFT Services, Inc.

DATE

30 APR 18

PAGE NO.

1

TICKET NO.

31388

DESCRIPTION OF OPERATION AND MATERIALS

200 SK 5 1/2" cement slurry 20 gal / bucket
 5 1/2" x 15.5" casing ID = 5350
 Rod collar # 63 - 2711' Buckets 4, 64
 Circulate 1, 2, 3, 5, 7, 9, 11, 13, 16, 63

CHART NO.

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

0830

0855

1130

On loc TRK 114
 start 5 1/2" x 15.5 casing in well
 Drop ball - circulate

1215

4 12

Pump 500 gal mud pump
 Pump 200 bbl KCL fluid

7

Plug RA - MH
 305L - 205L

1208

4 40

Mix STD cement 150L @ 14/100g

Drop 1/2" down plug
 Wash out Pump 2 times

1249

6

Displace plug

305

6 100

350

4 1/2 115

850

126

Land plug

1315

1320

Wash up tank

Back up

1250

Job complete

Blaine, Phil & Squid



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

FIELD TICKET & TREATMENT REPORT

CEMENT

TICKET NUMBER **55137**
 LOCATION **Dakota KS**
 FOREMAN **Walt Dinkel**
 INVOICE # **10503 / 10391**
10503

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-19-18 1087	Rita 1-11	Tribune north	11	16S	42W	Grealey
CUSTOMER						
American Warrior						
MAILING ADDRESS						
PO Box 399						
Garden City						
STATE		ZIP CODE				
KS		67846				
JOB TYPE						
Surface						
CASING DEPTH						
440						
DRILL PIPE						
TUBING						
OTHER						
CEMENT LEFT IN CASING						
DISPLACEMENT PSI						
MIX PSI						
REMARKS:						
Safety Meeting, rig up on Dole #7, Circ casing on bottom mix 325 SKS surface Blend II, release plug + Displace 2634 BBL H2O, 5 min in						

REMARKS: Safety Meeting, rig up on Dole #7, Circ casing on bottom mix 325 SKS surface Blend II, release plug + Displace 2634 BBL H2O, 5 min in

CEMENT LEFT IN CASING

WATER gals/sk

SLURRY VOL

DISPLACEMENT PSI

MIX PSI

RATE

Cement Did Circ

Thank You Walt & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
600971	1	PUMP CHARGE	1,150.00	1,150.00
600022	70	MILEAGE	7.15	500.50
600710	15.28	Tan Williams Delivery	1.15	1,871.80
CC5871	325 SKS	Surface Blend II	24.00	7,800.00
CP8228	1	8 5/8 Wooden Plug	165.00	165.00
				11,487.30
				3,448.19
				8,041.11
				418.17
				8451.28
				165.00
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				500.50
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9.4 WELL. CUSTOMER WILL RELEASE, PROTECT, DEFEND, AND INDEMNIFY QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER IN THE EVENTS OF: (i) LOSS OR DAMAGE TO ANY GEOLOGICAL FORMATION, STRATA OR OIL OR GAS RESERVOIR OR MINERAL OR WATER RESOURCE BENEATH THE SURFACE OF THE LAND OR WATER, (ii) LOSS OR DAMAGE TO THE HOLE OR WELL, (iii) OR DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

9.3 CUSTOMER INDEMNITY. CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

9.2 QES INDEMNITY. QES AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS CUSTOMER FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

9.1 For purposes of this Section 9, the following definitions will apply: "QES Group" means QES Pressure Pumping LLC, its parent company, and its other officers, directors, employees, contractors, subcontractors and affiliates; "Customer Group" means Customer, its parent (if any), subsidiary and affiliated companies, co-venturers, partners and any entity with whom Customer has an economic interest with respect to the Services, including Customer's joint interest owners and partners and its and their officers, directors, employees, contractors (not including QES), subcontractors and affiliates.

9.0 CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

9.0 CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

TERMS AND CONDITIONS

ATTENTION: THESE TERMS AND CONDITIONS CONTAIN INDEMNITY PROVISIONS FOR DAMAGE TO PERSONS AND PROPERTY.

All Services or Products provided by QES Pressure Pumping LLC (the "Company" or "QES") are subject to these Terms and Conditions unless superseded by a Master Service Agreement signed by the parties. In the event Customer does not accept these Terms and Conditions as written, Customer must request a Master Service Agreement from QES. Contacts Administration Department at msa@qesplc.com.

The operation of services, supplies, material, and/or delivery of goods to be provided ("Services" or "Products") (as applicable) by QES Pressure Pumping LLC ("QES") will be provided to you as customer ("Customer") in accordance with the following terms and conditions ("Agreement"). QES and Customer may be referred to as "Party" or "Parties".

1. Price and Taxes. Customer will pay QES for the Services or Products in accordance with QES' quoted price which includes applicable taxes or process license fees. Customer shall pay all applicable taxes without notice.

2. Terms of Payment. Customer will pay QES cash in advance for Services and Products unless QES has approved credit prior to the performance of the Services and/or delivery of the Products. Credit terms for approved accounts requires full payment of the invoiced amount within 30 days from the date of invoice. All invoices not paid within 30 days will be charged an interest rate of 1.5% per month or the maximum rate allowed under applicable state law, whichever is higher. Customer will be responsible for any fees incurred by QES in the collection of any amounts owed to QES including but not limited to attorney's fees and/or collection fee costs.

3. Proof of Services or Delivery of Products. QES will furnish verification of proof of Services performed and Product delivered to Customer's representative at the time of performance of the Services or Product delivery. Customer agrees to sign and return such verification indicating Customer's acceptance of the Services or Products.

4. Delivery or Completion - All liability and responsibility of QES ceases when (1) Products are delivered to the Customer by QES and no longer in the care, custody and control of QES or (2) when the carrier receives the Products and/or shipment. QES will not be responsible for loss or damage to Products in transit or for delay of carriers in delivering goods. In case of shortage, non-compliance, or apparent damage, it is the Customer's responsibility to secure a replacement from the carrier before Customer accepts delivery. Additionally, QES will not be liable for any damage for delay in delivery or completion due to a Force Majeure (as defined below), acts or omissions of the Customer, third party material or manufacturing delays, impossibility or impracticability of performance or any other cause or cause beyond the control of QES. In the event of a delay caused by the above, the delay or completion date will be extended for a period equal to any such delay, and the purchase or service will not be void or voidable as a result thereof.

5. Well or Service Site Conditions. Customer, having custody and control of the well and/or service site, and having superior knowledge of the same and the conditions surrounding them, warrant that the well and/or service site will be in proper condition to receive and accommodate Services and Products. Upon QES' request, Customer will provide documentation to verify that the well or service site is adequate to support the Services and the delivery of Products. Customer also warrants that QES' equipment will be able to safely access the well and service site and that any special equipment or road improvements required for such access will be the responsibility of Customer, unless otherwise agreed to by the parties.

6. Chemical Handling and Hazardous Materials. Customer agrees that for any waste created as part of the Services, Customer will be considered the "Generator" for purposes of any applicable laws or regulations pertaining to the transportation, storage and handling of chemicals and hazardous materials.

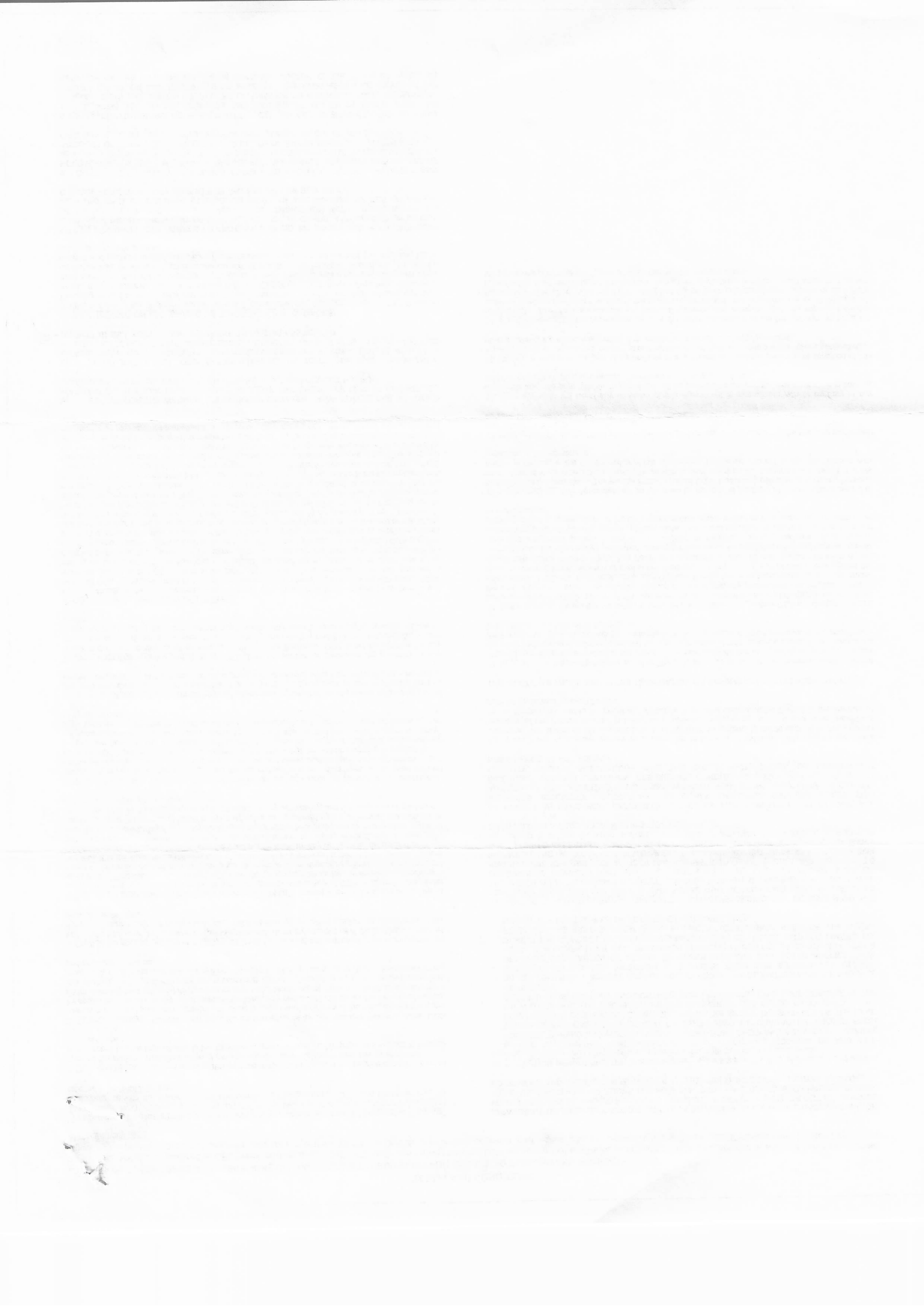
7. Data, Data Transmission and Storage. QES does not warrant or guarantee the accuracy of any research analysis, survey, or other data generated for the Services. QES is not responsible for any accidental or intentional interception of such data by third parties and it is the responsibility of the Customer to safeguard such data against loss including any need to secure digital or paper copies for storage.

8. WARRANTIES - LIMITATION OF LIABILITY. (a) QES warrants that the Services and Products will: (i) be free from defects in materials and workmanship; (ii) be performed in a good and workmanlike manner in accordance with good practice in the industry; (iii) conform to the plans, specifications and technical information provided in writing by Customer until the Services or Products are accepted by Customer or QES' contractual obligations are met. In the event that Customer discovers a defect in the Services or Products within the warranty period specified above, Customer will notify QES of such defect. In the event that QES confirms that the Services or Products are defective, QES' liability and Customer's obligations remain in any case as set forth in this contract. QES's liability and Customer's obligations shall survive the termination or expiration of this Agreement. (b) QES shall not be liable for any damages, losses, or expenses of Customer resulting from such defects or for damages resulting from delays, loss-of-use, or other direct, indirect, incidental, punitive or consequential damages of any kind. QES will not be responsible for (i) failures of Services that have been in any way tampered with or altered by anyone other than an authorized representative of QES; (ii) failures due to lack of compliance with recommended maintenance procedures; and (iii) products requiring replacement due to normal wear and tear.

9. INDEMNIFICATION AND WAIVER OF CONSEQUENTIAL DAMAGES. This Agreement contains the entire agreement of the Parties with regard to the Services and Products. QES agrees to hold harmless and defend, defend, indemnify and hold harmless Customer from and against all claims, demands, and causes of action of every kind and character, arising in connection with the Services, on account of bodily injury, illness, or death of any member of Customer Group or, damage to or loss of property of any member of Customer Group.

9.0 CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.

9.0 CUSTOMER AGREES TO PROTECT, DEFEND, INDEMNIFY AND HOLD HARMLESS QES GROUP FROM AND AGAINST ALL CLAIMS, DEMANDS, AND CAUSES OF ACTION OF EVERY KIND AND CHARACTER, ARISING IN CONNECTION WITH THE SERVICES, ON ACCOUNT OF BODILY INJURY, ILLNESS, OR DEATH OF ANY MEMBER OF QES GROUP OR, DAMAGE TO OR LOSS OF PROPERTY OF ANY MEMBER OF QES GROUP.





TICKET 27288

CHARGE TO: American Warrior
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF

WELL/PROJECT NO. 1-11
 TICKET TYPE SERVICE SALES
 CONTRACTOR Rita Co Tools
 WELL CATEGORY development
 WELL TYPE oil
 INVOICE INSTRUCTIONS Deep Squeeze

COUNTY/PARISH Greeley
 RIG NAME/NO. CT
 STATE
 CITY
 DELIVERED TO LOCAL/Other
 WELL PERMIT NO.

DATE 5-17-18
 ORDER NO.
 WELL LOCATION

PRICE REFERENCE
 SECONDARY REFERENCE/PART NUMBER
 ACCOUNTING LOC ACCT DF
 DESCRIPTION
 QTY. U/M QTY. U/M
 UNIT PRICE
 AMOUNT

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING LOC ACCT DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
575		2	MILEAGE Trk # 111	130	mi			5.00	650.00
578		2	Pump Charge - Deep Squeeze	1	EA			1300.00	1300.00
290		2	D. Air	1	EA			42.00	42.00
325		2	Standard Cement	100	SKB			13.00	1300.00
283		2	Salt - 10%	450	lbs			2.00	900.00
581		2	Service Charge Cement	100	SKB			1.75	175.00
593		2	Drayage	611	TM			85.00	519.35

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 X DATE SIGNED TIME SIGNED A.M. P.M.
 REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300
 SURVEY OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? ARE YOU SATISFIED WITH OUR SERVICE?
 AGREE UNDECIDED DISAGREE
 YES NO
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 4076.35

TOTAL 4185.90

6/26/18
 7,650
 109.35

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 APPROVAL
 SWIFT OPERATOR David Edgerston
 Thank You!

SWIFT Services, Inc.

DATE 5-17-18
PAGE NO.

TICKET NO. 87288

JOB TYPE Deep Saverz

DESCRIPTION OF OPERATION AND MATERIALS

JOB LOG

CUSTOMER

WELL NO. Rita

LEASE 1-11

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1245

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1302

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1315

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1320

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1325

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1330

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1340

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

CHART NO.

1345

TIME

RATE (BPM)

VOLUME (BBL) (GAL)

PUMPS T C

PRESSURE (PSI)

TUBING CASING

On location

* Saverz Perfs to lift CNT up from.

Tub - 2 1/8

ASG - 5 1/2

perfs - 4250

per - 4142

Load & Rsi BS

Take Injection Rate

Start CNT - 100 ska @ 15.5 ppm

END CNT

WASH B4L

Start Disp

Catch psi

End Disp

shut in

Job Complete

Thanks
David Zorn & Isaac



TICKET 27302

CHARGE TO: American Warrior Inc

ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 1

SERVICE LOCATIONS

1. *Hays, KS* WELL/PROJECT NO. *1-11* LEASE *R-14* COUNTY/PARISH *Cowley* STATE *KS* CITY *05/20/18* DATE *OWNER*
2. *Ness City, KS* CONTRACTOR *AWT* RIG NAME/NO. *Location* ORDER NO. *Location*
3. WELL TYPE *Oil* WELL CATEGORY *Development* JOB PURPOSE *Convent Prod Collar* WELL PERMIT NO.
4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1					150	mi	5.00	750.00
576D		1					1 EA		1300.00	1300.00
290		1					4 gal		42.00	168.00
285		1					2 SK		22.00	44.00
275		1					1 SK		30.00	30.00
330		2					325 SK		116.35	3156.25
276		2					56.16		2.00	140.00
581		2					300 SK		1.75	525.00
583		2					150 mi		0.98	147.00
PAGE TOTAL										8040.01

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED _____ TIME SIGNED _____

A.M. P.M.

CUSTOMER DID NOT WISH TO RESPOND

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?

AGREE UN-DECIDED DIS-AGREE

YES NO

CUSTOMER DID NOT WISH TO RESPOND

TOTAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR _____ APPROVAL _____

Thank You!



JOB LOG

SWIFT Services, Inc.

DATE 05/30/18 PAGE NO. 1
TICKET NO. 27302

CUSTOMER AWI WELL NO. 1-11 LEASE Rita JOB TYPE Port Collar

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1100							On location, set up truck
								2 3/8 x 5 1/2
								Port Collar - 2630'
								Plug - 2530'
								Spot Sand - 2740'
	1200		9					Spot Sand Wait 10 min, Port up to P.C.
	1230		18				1000	Test Well
								Open Port Collar
							500	Check for Blow, No blow
		1/2					1100	Pressure up, Try to get Rate
	1300	3/4	17				900	Get Slight Blow
	1305							Hook up to tubing
	1315	3					500	Start Cement @ 11.2#
		3	9				500	Raise wt & Mix bulk lightly.
		3	21				600	Drop Cmt wt to 11.2#
		3	76				800	Caught Circulation.
		3 1/2	83				600	Press. Drop
		3 1/2	117				800	Cmt Circulation, Raise wt
		3 1/2	127				500	Fin Cmt, Start Displacement
		3	9 1/2				750	Fin Disp. Shut in
								Close Port Collar
							1000	Test P.C.
								Run 5 Its
	1430	2	40				300	Reverse Out & Circulate Sand off Plug
								Tubing Clear,
	1500							Wash up truck
	1525							Job Complete
								Thanks,
								Jon, Austin, J-agc

Geological Report

American Warrior, Inc.

Rita #1-11

1981' FNL & 1282' FEL

Sec. 11, T16s, R42w

Greeley County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Rita #1-11
1981' FNL & 1282' FEL
Sec. 11, T16s, R42w
Greeley County, Kansas
API # 15-071-20880-00-00

Drilling Contractor: Duke Drilling Co. Rig #7

Geologist: Kevin Timson

Spud Date: April 18, 2018

Completion Date: April 30, 2018

Elevation 3778' G.L.
3789' K.B.

Directions: From Tribune, KS. Go North on Hwy 27 12 miles to D Rd. Go West 8 miles to Road 8. Go North one mile. Go West one mile. Go North 1/4 mile. West into.

Casing: 437' 8 5/8" #23 Surface Casing
5348' 5 1/2" #15.5 Production Casing

Samples: 3800' to RTD Kelly Down Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "T. Martin"
Full Sweep

Drillstem Tests: Three-Trilobite Testing "Brandon Turley"

Problems: Test #3 Failed

Formation Tops
Rita #1-11
Sec. 11, T16s, R42w
1981' FNL & 1282' FEL

Anhydrite	2684' +1105
Base	2712' +1077
Heebner	4057' -268
Lansing	4127' -338
Stark	4390' -601
Bkc	4520' -731
Marmaton	4527' -738
Pawnee	4622' -833
Fort Scott	4674' -885
Cherokee	4685' -896
Morrow	4961' -1172
St. Gen	5157' -1368
RTD	5350' -1561
LTD	5352' -1563

Sample Zone Descriptions

Lansing A (4129',-340): Not Tested

Limestone Tan. Medium to sub crystalline. Fair oomoldic porosity and fair oolycastic porosity. Good stain. Fair to good saturation. SFO. Good odor. 60 unit hotwire.

Marmaton (4562',-773): Not Tested

Samples were compromised from the PDC bit, however fair to good odor was present. 50 unit hotwire.

Chester Sand (5146',-1357): Not Tested

Sandstone clear grains with white cement. Coarse grain. Very well rounded. Very well sorted. Friable. Barren. 0 unit hotwire.

Drill Stem Tests
Trilobite Testing
"Brandon Turley"

DST #1

Morrow

Interval (4936' – 5021') Anchor 85'

IHP - 2574 #

IFP - 30" – 1/4" blow died in 8 min. 22-25 #

ISI - 30" – No return. 36 #

FFP - 10" – No blow. 26-26 #

FSIP - Pull Tool NA

FHP - 2531 #

BHT - 125° F

Recovery: 5' Mud

DST #2

Morrow

Interval (4937' -- 5121') Anchor 184'

IHP -2707 #

IFP - 30" - 3/4" blow died in 15 min 34-40 #

ISI - 30" - No return 68 #

FFP - 10" - No blow 44-44 #

FSIP - Pull Tool NA

FHP - 2486 #

BHT - 122° F

Recovery: 10' Mud

DST #3

Lansing A

TEST FAILED

Structural Comparison

Formation	American Warrior, Inc Sunray #1-12 Sec 12, T16s, R42w 2324' FNL & 1117' FWL		Samuel Gary Jr. Voyager #1-11 Sec 11, T16s, R42w 2310' FSL & 2310' FEL		American Warrior, Inc. Sunray #1-12 Sec 12, T16s, R42w 2324' FNL & 1117' FWL
Heebner	4057' -268	+14	4081' -282	+18	4077' -286
Lansing	4127' -338	+9	4146' -347	+15	4144' -353
Stark	4390' -601	+15	4415' -616	+13	4405' -614
BKc	4520' -731	+5	4535' -736	+6	4528' -737
Marmaton	4527' -738	+10	4547' -748	+15	4544' -753
Pawnee	4622' -833	+14	4646' -847	+16	4640' -849
Fort Scott	4674' -885	+16	4700' -901	+11	4687' -896
Cherokee	4685' -896	+19	4714' -915	+8	4695' -904
Morrow	4961' -1172	+27	4998' -1199	+2	4965' -1174
St. Gen	5157' -1368	-21	5146' -1347	-29	5130' -1339

Summary

The location for the Rita #1-11 well was found via 3-D seismic survey. The new well ran structurally as expected. Three drill stem tests were conducted, none of which recovered commercial amounts of oil. After all the gathered data had been examined, the decision was made to run production casing to further evaluate the Rita #1-11 well.

Perforations

Lansing A (4129' to 4135') Primary

Marmaton (4564' to 4570') Secondary

Lansing B (4145' to 4151') Secondary

Chester (To be determined) Before Abandonment

Plattsmouth (3906' to 3910') Before Abandonment

Respectfully Submitted,

Kevin Timson
American Warrior, Inc.

