



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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1113664

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Rein 5-20
Doc ID	1113664

Tops

Name	Top	Datum
Anhydrite	1467	788
Heebner	3729	-1474
Lansing	3772	-1517
Base Kansas City	4108	-1853
Pawnee	4184	-1929
Ft. Scott	4266	-2011
Cherokee	4284	-2029
Mississippian	4360	-2105
RTD	4388	-2133



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Rein #5-20

20-19s-21w Ness

Start Date: 2012.07.21 @ 00:10:15

End Date: 2012.07.21 @ 06:41:15

Job Ticket #: 47969 DST #: 1

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

Printed: 2012.07.24 @ 15:18:18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior, Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Jason Alm

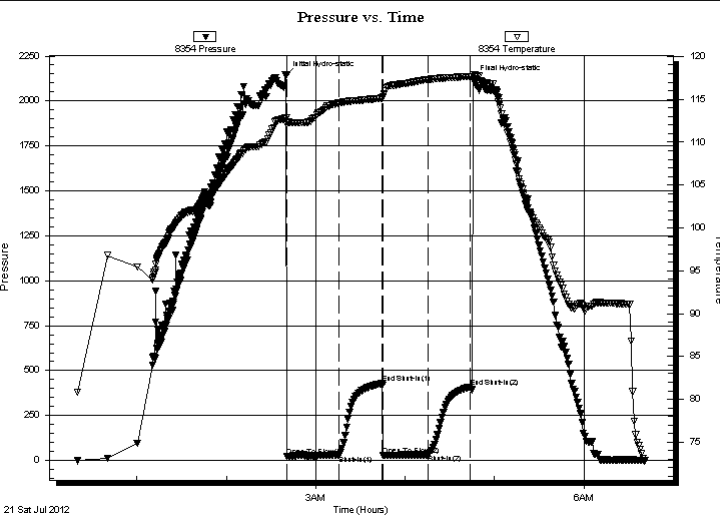
20-19s-21w Ness
Rein #5-20
 Job Ticket: 47969 **DST#: 1**
 Test Start: 2012.07.21 @ 00:10:15

GENERAL INFORMATION:

Formation: **Cherokee "A" Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:40:45
 Time Test Ended: 06:41:15
 Interval: **4282.00 ft (KB) To 4309.00 ft (KB) (TVD)**
 Total Depth: 4309.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2255.00 ft (KB)
 2249.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8354 Inside
 Press @ Run Depth: 32.52 psig @ 4284.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.21 End Date: 2012.07.21 Last Calib.: 2012.07.21
 Start Time: 00:20:15 End Time: 06:41:15 Time On Btm: 2012.07.21 @ 02:40:15
 Time Off Btm: 2012.07.21 @ 04:45:45

TEST COMMENT: IF-Very weak surface blow. Died @ 17 minutes.
 ISI-No Return.
 FF-No Blow.
 FSI-No Return.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.64	112.84	Initial Hydro-static
1	25.66	112.01	Open To Flow (1)
35	31.48	114.55	Shut-In(1)
64	428.30	115.15	End Shut-In(1)
65	27.87	115.33	Open To Flow (2)
95	32.52	117.32	Shut-In(2)
124	409.54	117.68	End Shut-In(2)
126	2119.11	117.91	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	100%Mud	0.05

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

20-19s-21w Ness

PO Box 399
Garden City, KS 67846

Rein #5-20

Job Ticket: 47969

DST#: 1

ATTN: Jason Alm

Test Start: 2012.07.21 @ 00:10:15

Tool Information

Drill Pipe:	Length: 4100.00 ft	Diameter: 3.80 inches	Volume: 57.51 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 58.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4282.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4255.00	
Shut In Tool	5.00			4260.00	
Hydraulic tool	5.00			4265.00	
Jars	5.00			4270.00	
Safety Joint	3.00			4273.00	
Packer	5.00			4278.00	28.00 Bottom Of Top Packer
Packer	4.00			4282.00	
Stubb	1.00			4283.00	
Perforations	1.00			4284.00	
Recorder	0.00	8354	Inside	4284.00	
Recorder	0.00	8520	Outside	4284.00	
Perforations	22.00			4306.00	
Bullnose	3.00			4309.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

20-19s-21w Ness

PO Box 399
Garden City, KS 67846

Rein #5-20

Job Ticket: 47969

DST#: 1

ATTN: Jason Alm

Test Start: 2012.07.21 @ 00:10:15

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: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 5300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%Mud	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:

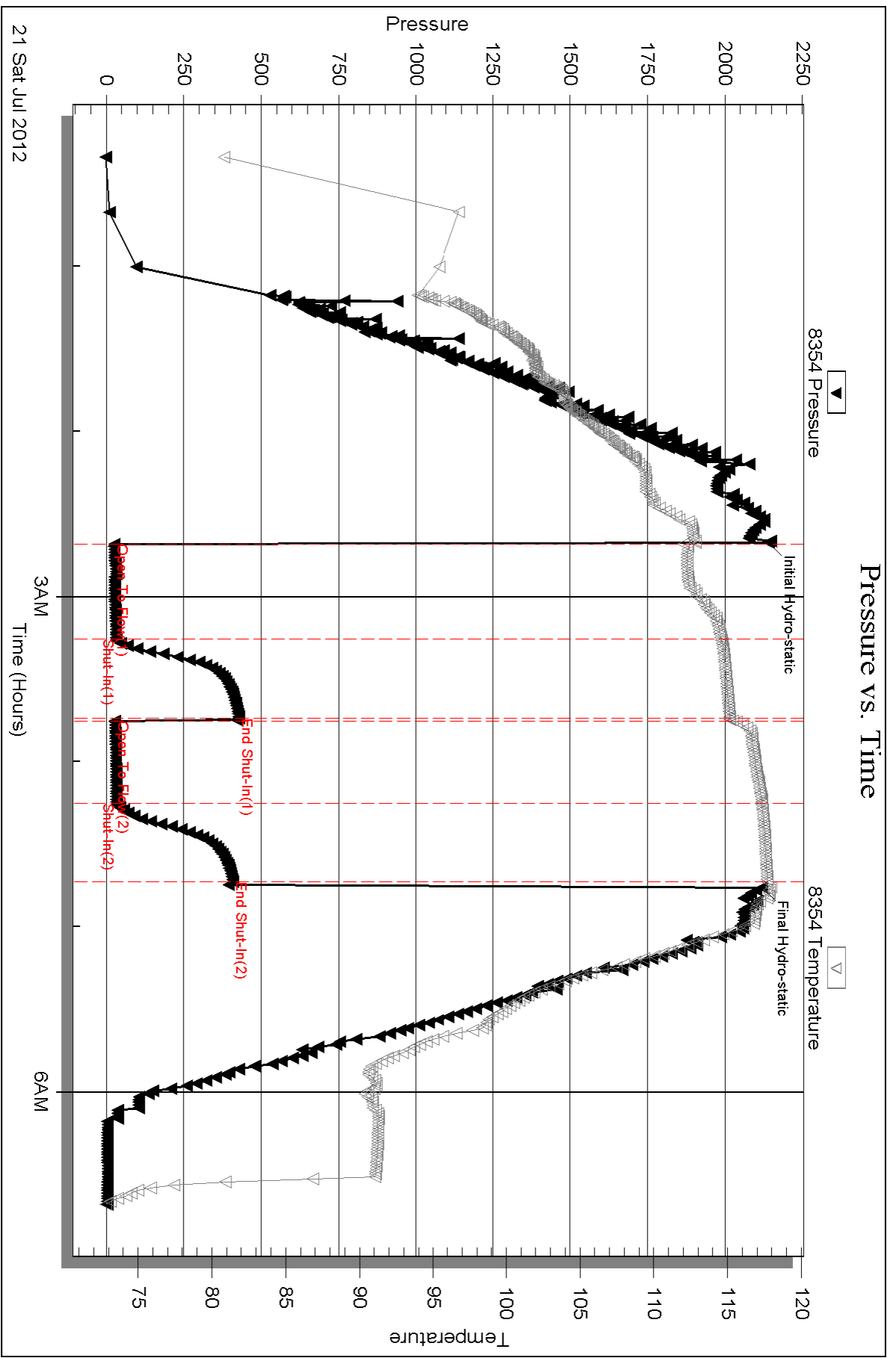
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Inside

American Warrior, Inc.

Rein #5-20

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47969

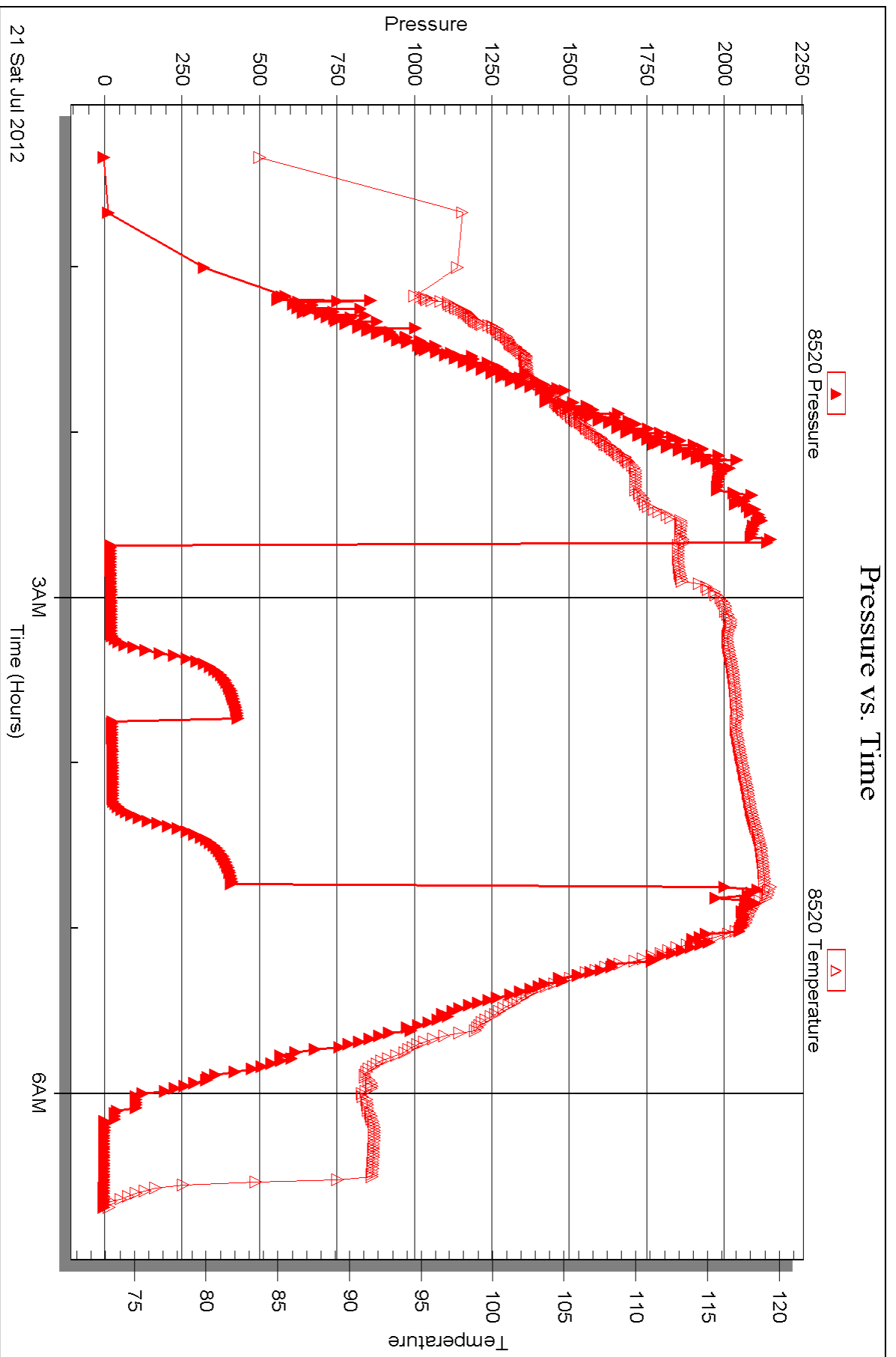
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Serial #: 8520

Outside American Warrior, Inc.

Rein #5-20

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 47969

Printed: 2012.07.24 @ 15:18:21



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Rein #5-20

20-19s-21w Ness

Start Date: 2012.07.21 @ 16:38:30

End Date: 2012.07.21 @ 22:35:00

Job Ticket #: 47970 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.24 @ 15:17:41



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Jason Alm

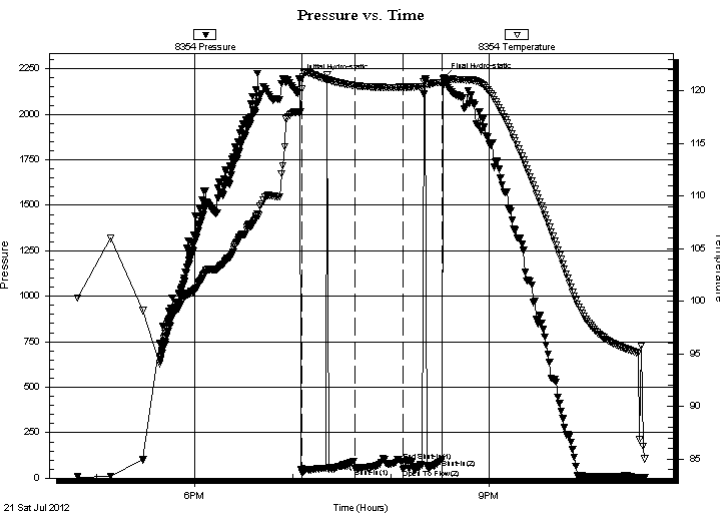
20-19s-21w Ness
Rein #5-20
Job Ticket: 47970 **DST#: 2**
Test Start: 2012.07.21 @ 16:38:30

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:05:30
Time Test Ended: 22:35:00
Interval: 4373.00 ft (KB) To 4380.00 ft (KB) (TVD)
Total Depth: 4380.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2255.00 ft (KB)
2249.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8354 Inside
Press @ Run Depth: 53.42 psig @ 4375.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.21 End Date: 2012.07.21 Last Calib.: 2012.07.21
Start Time: 16:48:30 End Time: 22:35:00 Time On Btm: 2012.07.21 @ 19:04:30
Time Off Btm: 2012.07.21 @ 20:32:30

TEST COMMENT: IF-Very weak surface blow. Died @ 11 & 1/2 minutes. Flushed.
ISI-No Return.
FF-No Blow. Flushed. Surface blow for 3 minutes. Pulled Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2197.59	118.03	Initial Hydro-static
1	31.31	120.18	Open To Flow (1)
34	53.42	120.49	Shut-In(1)
63	91.50	120.35	End Shut-In(1)
63	49.13	120.34	Open To Flow (2)
87	101.72	120.81	Shut-In(2)
88	2199.66	121.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	100%Mud	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

20-19s-21w Ness

PO Box 399
Garden City, KS 67846

Rein #5-20

Job Ticket: 47970

DST#: 2

ATTN: Jason Alm

Test Start: 2012.07.21 @ 16:38:30

Tool Information

Drill Pipe:	Length: 4258.00 ft	Diameter: 3.80 inches	Volume: 59.73 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	23000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 60.32 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	63000.00 lb
Depth to Top Packer:	4373.00 ft			Final	63000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	35.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4346.00	
Shut In Tool	5.00			4351.00	
Hydraulic tool	5.00			4356.00	
Jars	5.00			4361.00	
Safety Joint	3.00			4364.00	
Packer	5.00			4369.00	28.00 Bottom Of Top Packer
Packer	4.00			4373.00	
Stubb	1.00			4374.00	
Perforations	1.00			4375.00	
Recorder	0.00	8354	Inside	4375.00	
Recorder	0.00	8520	Outside	4375.00	
Perforations	2.00			4377.00	
Bullnose	3.00			4380.00	7.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

20-19s-21w Ness

PO Box 399
Garden City, KS 67846

Rein #5-20

Job Ticket: 47970

DST#: 2

ATTN: Jason Alm

Test Start: 2012.07.21 @ 16:38:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	100%Mud	0.039

Total Length: 8.00 ft Total Volume: 0.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8354

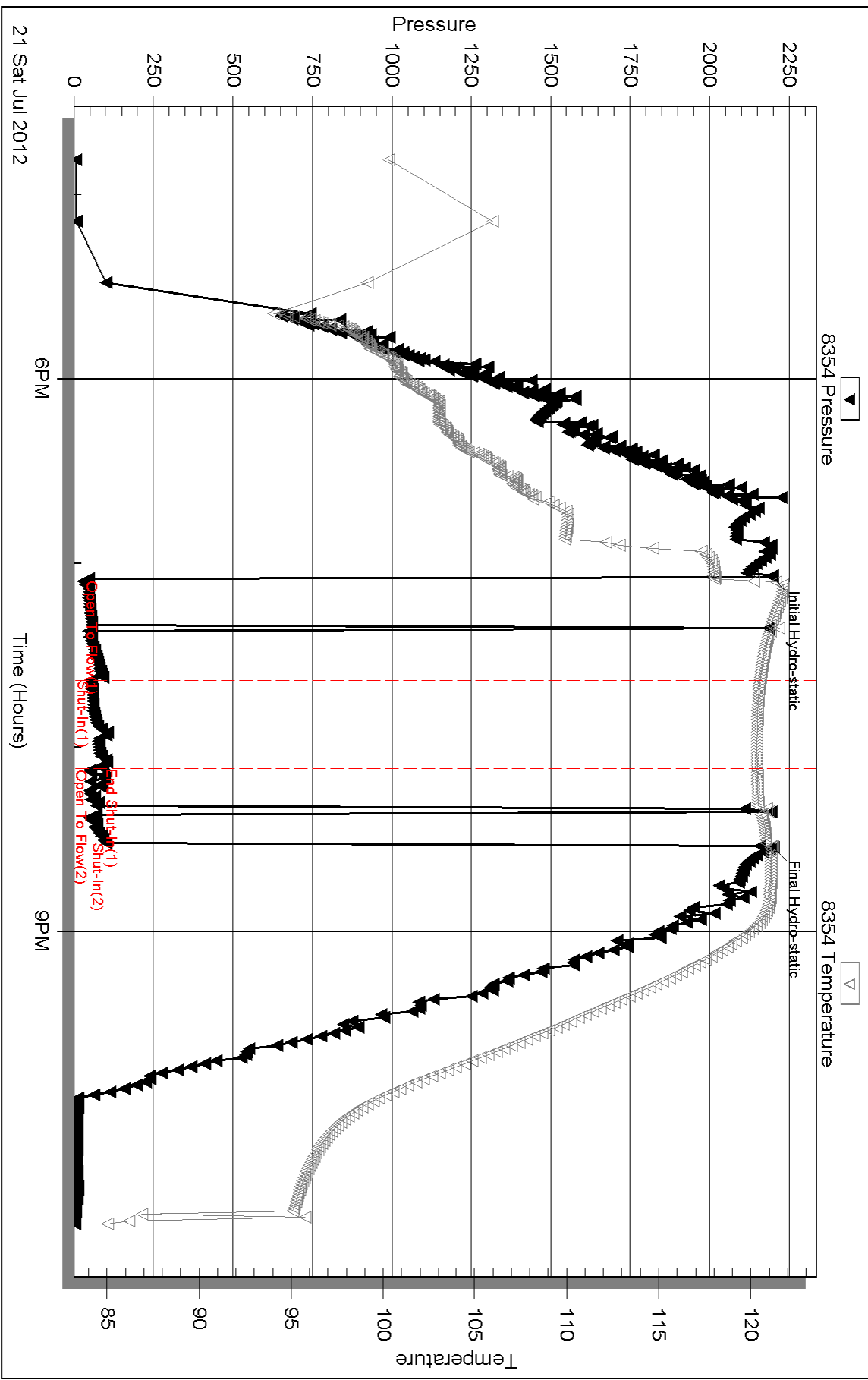
Inside

American Warrior, Inc.

Rein #5-20

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47970

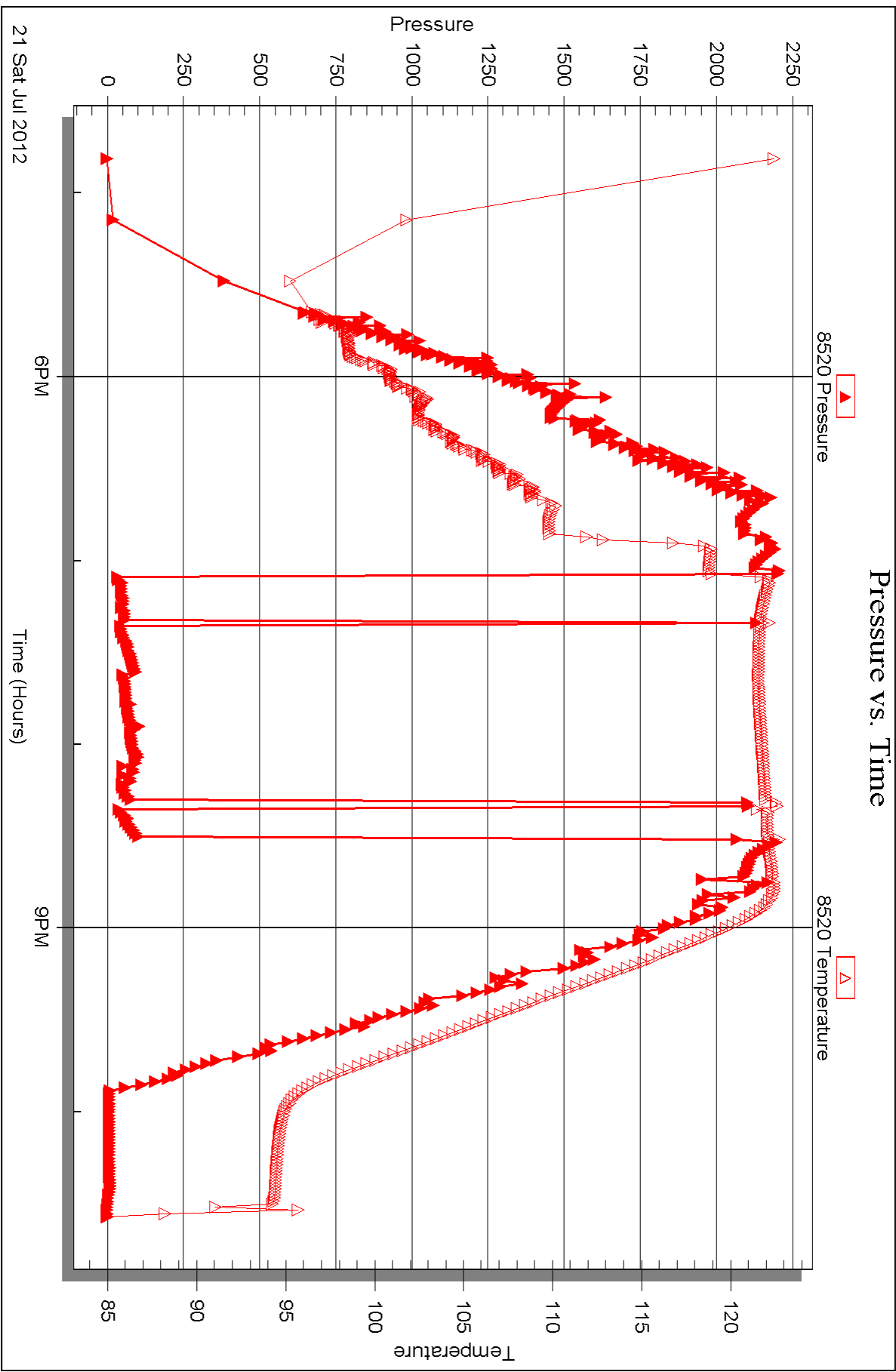
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Serial #: 8520

Outside American Warrior, Inc.

Rein #5-20

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Rein #5-20

20-19s-21w Ness

Start Date: 2012.07.22 @ 05:47:30

End Date: 2012.07.22 @ 13:29:30

Job Ticket #: 47971 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.24 @ 15:17:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

20-19s-21w Ness

PO Box 399
Garden City, KS 67846

Rein #5-20

Job Ticket: 47971

DST#: 3

ATTN: Jason Alm

Test Start: 2012.07.22 @ 05:47:30

Tool Information

Drill Pipe:	Length: 4229.00 ft	Diameter: 3.80 inches	Volume: 59.32 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 59.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4371.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 ft				
Tool Length:	42.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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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	3.00			4362.00	
Packer	5.00			4367.00	28.00 Bottom Of Top Packer
Packer	4.00			4371.00	
Stubb	1.00			4372.00	
Perforations	1.00			4373.00	
Recorder	0.00	8354	Inside	4373.00	
Recorder	0.00	8520	Outside	4373.00	
Perforations	9.00			4382.00	
Bullnose	3.00			4385.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

20-19s-21w Ness

PO Box 399
Garden City, KS 67846

Rein #5-20

Job Ticket: 47971

DST#: 3

ATTN: Jason Alm

Test Start: 2012.07.22 @ 05:47:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	15%Oil/15%Water/70%Mud	0.295
85.00	60%Gas/40%Oil	0.655

Total Length: 145.00 ft

Total Volume: 0.950 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

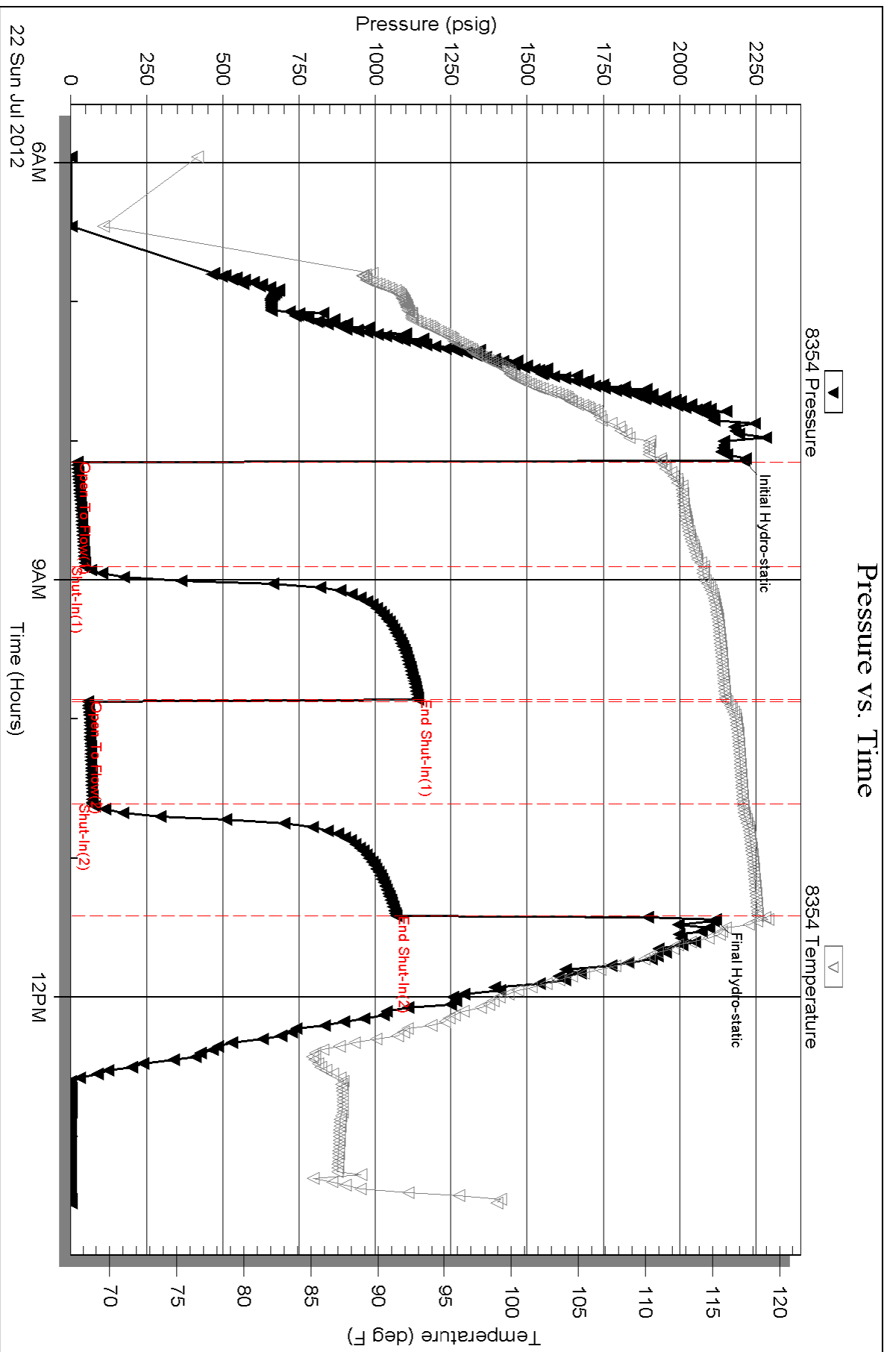
Serial #: 8354

Inside

American Warrior, Inc.

Rein #5-20

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 47971

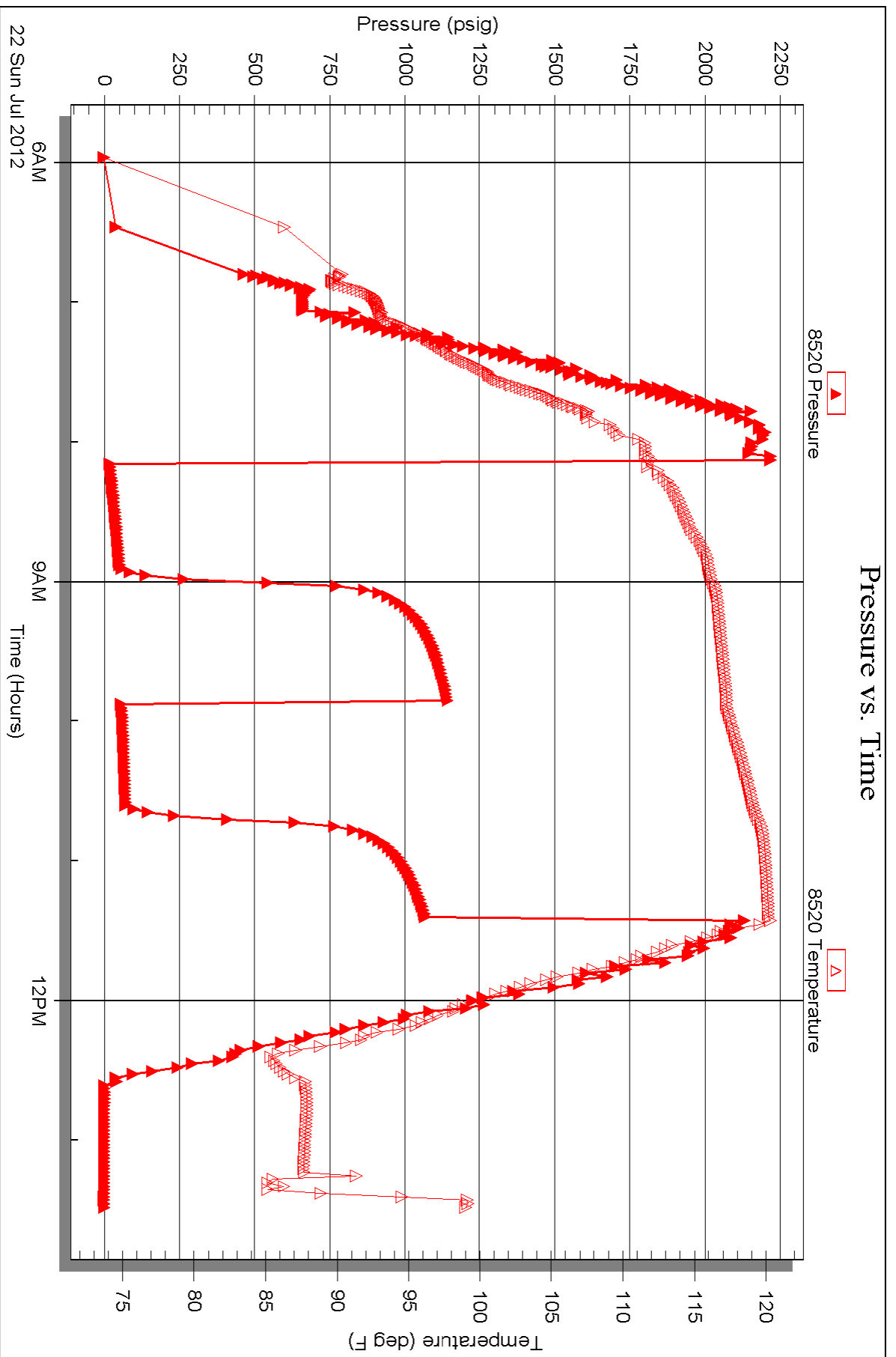
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Serial #: 8520

Outside American Warrior, Inc.

Rein #5-20

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47969

Well Name & No. Rem # 5-20 Test No. 1 Date 7-20-12
 Company American Warrior, Inc. Elevation 2255 KB 2249 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark 1
 Location: Sec. 20 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4282-4309 Zone Tested Cherokee "A" Sand
 Anchor Length 27' Drill Pipe Run 4100 Mud Wt. 9.1
 Top Packer Depth 4277 Drill Collars Run 179.27 Vis 49
 Bottom Packer Depth 4282 Wt. Pipe Run 0 WL 8.0
 Total Depth 4309 Chlorides 5300 ppm System LCM 0 #

Blow Description IF - Very weak surface blow, Died @ 17 minutes,
ISI - No Return,
FF - No Blow,
FBI - No Return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</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 10 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 1250 T-On Location 2245
 (B) First Initial Flow _____ Jars 250 T-Started 0015
 (C) First Final Flow _____ Safety Joint 75 T-Open 0241
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 0445
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 0640
 (F) Second Final Flow _____ Mileage 59X2 182.90 Comments: BET-0010
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1757.90
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1757.90

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47970

Well Name & No. Rein # 520 Test No. 2 Date 7-21-12
 Company American Warrior, Inc. Elevation 2255 KB 2249 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark 2
 Location: Sec. 20 Twp. 19S Rge. 21W Co. Ness State KS

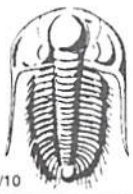
Interval Tested 4373 - 4380 Zone Tested Mississippian
 Anchor Length 7' Drill Pipe Run _____ Mud Wt. 9.5
 Top Packer Depth 4368 Drill Collars Run 179.27 Vis 68
 Bottom Packer Depth 4373 Wt. Pipe Run 0 WL 12.4
 Total Depth 4380 Chlorides 8200 ppm System LCM 0#
 Blow Description IF - Very weak surface blow. Dried @ 1 1/2 minutes. Flushed, ISF - No Return. FF - No Blow. Flushed. Surface blow for 3 minutes. Pulled Tool.

Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>Mud</u>			<u>100</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 8 BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2198 Test 1250 T-On Location 1575
 (B) First Initial Flow 31 Jars 250 T-Started 1645
 (C) First Final Flow 53 Safety Joint 75 T-Open 1905
 (D) Initial Shut-In 92 Circ Sub _____ T-Pulled 2030
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 2230
 (F) Second Final Flow Pulled Mileage 59XZ 182.90 Comments BHT-1638
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2200 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1757.90
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1757.90

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47971

Well Name & No. Rem #5-20 Test No. 3 Date 7-22-12
 Company American Warrior, Inc. Elevation 2255 KB 2249 GL
 Address P.O. Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Personalk 2
 Location: Sec. 20 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4371-4385 Zone Tested Mississippian
 Anchor Length 14' Drill Pipe Run 4229 Mud Wt. 9.5
 Top Packer Depth 4366 Drill Collars Run 119.69 Vis 68
 Bottom Packer Depth 4371 Wt. Pipe Run 0 WL 12.4
 Total Depth 4385 Chlorides 8200 ppm System LCM 0#

Blow Description IF - Weak building flow, Built to 4 1/2 inches,
IST - No Return.

FF - Weak building flow, Built to 4 1/2 inches,

FST - Weak surface Return @ 11 minutes,

Rec	Feet of	%gas	%oil	%water	%mud
<u>85</u>	<u>Gassy oil</u>	<u>60</u>	<u>40</u>		
<u>60</u>	<u>SOCWM</u>		<u>15</u>	<u>15</u>	<u>70</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 145 BHT 119 Gravity 41 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2211 Test 1250 T-On Location 0500
 (B) First Initial Flow 22 Jars 250 T-Started 0550
 (C) First Final Flow 48 Safety Joint 75 T-Open 0808
 (D) Initial Shut-In 1140 Circ Sub T-Pulled 1120
 (E) Second Initial Flow 58 Hourly Standby T-Out 1330
 (F) Second Final Flow 72 Mileage 59X2 182.90 Comments BHT-0547
 (G) Final Shut-In 1067 Sampler
 (H) Final Hydrostatic 2118 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1757.90
 Accessibility MP/DST Disc't

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1757.90

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.

Geological Report

American Warrior, Inc.

Rein #5-20

1550' FNL & 2230' FWL

Sec. 20 T19s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Rein #5-20
1550' FNL & 2230' FWL
Sec. 20 T19s R21w
Ness County, Kansas
API # 15-135-25420-0000

Drilling Contractor: Petromark Drilling, LLC Rig #1

Geologist: Jason T Alm

Spud Date: July 14, 2012

Completion Date: July 23, 2012

Elevation: 2249' Ground Level
2255' Kelly Bushing

Directions: Bazine KS, East on Hwy 96 to GG road, South on GG road to 100 road. West on 100 road 2 mi. to EE Road, South on EE road 1.5 mi. East and North into location.

Casing: 223' 8 5/8" surface casing
4387' 5 1/2" production casing

Samples: 10' wet and dry, 3900' to RTD

Drilling Time: 3600' to RTD

Electric Logs: None

Drillstem Tests: Three, Trilobite Testing, Inc. "Brian Fairbank"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc.
	Rein #5-20
	Sec. 20 T19s R21w
Formation	1550' FNL & 2230' FWL
Anhydrite	1467', +788
Base	1501', +754
Heebner	3729', -1474
Lansing	3772', -1517
BKc	4108', -1853
Pawnee	4184', -1929
Fort Scott	4266', -2011
Cherokee	4284', -2029
Mississippian	4360', -2105
Osage	4372', -2117
RTD	4388', -2133

Sample Zone Descriptions

Cherokee "A" Sand (4288', -2033): DST #1

Ss – Fine grained, fairly sorted, poorly cemented, well rounded with fair inter-granular porosity, light scattered oil stain in cluster, slight show of free oil, no odor, few dirty clusters, many random grains, 10 units hotwire.

Mississippian Osage (4372', -2117): DST #2,3

Dolo – Δ – Fine sucrosic crystalline with poor vuggy and inter-crystalline porosity, heavy slightly triptolitic chert, weathered with fair vuggy porosity, light to good oil stain in porosity, show of free oil, good odor, bright yellow fluorescents, 17-15 units hotwire.

Structural Comparison

Formation	American Warrior, Inc. Rein #5-20 Sec. 20 T19s R21w 1550' FNL & 2230' FWL	Kansas Oil Corp. Wilhelm #1 Sec. 20 T19s R21w NE NE NW		Barnett Oil Inc. Wilhelm #1 Sec. 20 T19s R21w 2310' FNL & 2310' FWL	
Anhydrite	1467', +788	4379', +791	(-3)	NA	NA
Base	1501', +754	NA	NA	NA	NA
Heebner	3729', -1474	3726', -1470	(-4)	NA	NA
Lansing	3772', -1517	3771', -1515	(-2)	NA	NA
BKc	4108', -1853	NA	NA	NA	NA
Pawnee	4184', -1929	NA	NA	NA	NA
Fort Scott	4266', -2011	4270', -2014	(+3)	NA	NA
Cherokee	4284', -2029	4286', -2030	(+1)	NA	NA
Mississippian	4360', -2105	4370', -2114	(+9)	4396', -2113	(+8)
Osage	4372', -2117	4379', -2123	(+6)	NA	NA

Summary

The location for the Rein #5-20 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Three drill stem tests were conducted one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 5 1/2 inch production casing to further evaluate the Rein #5-20 well.

Recommended Perforations

Mississippian Osage: (4372' – 4385') DST #2,3

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geologic Report

Drilling Time and Sample Log

Operator American Warrior, Inc.		Elevation KB 2255' DF GL 2249'
Lease Rein No. 5-20		Casing Record Surface 8 5/8" @ 223' Production 5 1/2" @ 4387'
API # 15-135-25420-0000		Electrical Surveys None
Field Hinnergardt		
Location 1550' FNL & 2230' FWL		
Sec. 20	Twp. 19s	Rge. 21w
County Ness		State Kansas

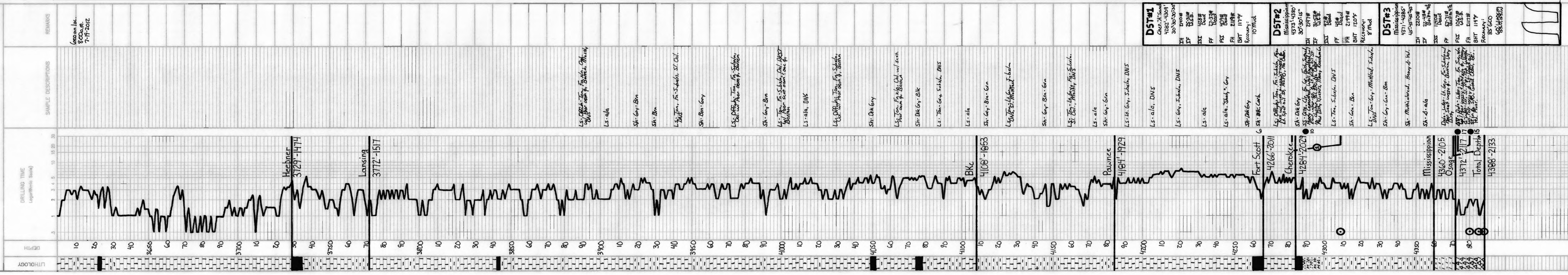
Drilling Contractor Comm. 7-14-2012 Complete 7-23-2012 RTD 4388'	Petromark Drilling, L.L.C. Rig #1	LTD None
Samples Saved From 3900'	To RTD	
Drilling Time Kept From 3600'	To RTD	
Samples Examined From 3900'	To RTD	
Geological Supervision From 3900'	To RTD	
Mud Up 3500'	Type Chemical	

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite		1467' +788	-3
Base		1501' +754	
Heebner		3729' -1474	-4
Lansing		3772' -1517	-2
BKc		4108' -1853	
Pawnee		4184' -1929	
Fort Scott		4266' -2011	+3
Cherokee		4284' -2029	+1
Mississippian		4360' -2105	+9
Osage		4372' -2117	+6
Total Depth		4388' -2133	

Reference Well For Structural Comparison Kansas Oil Corp. Wilhelm #1

LEGEND

- Dolomite
- Chert
- Limestone
- Lime
- Shale
- Sandstone
- Salt
- Anhydrite



Respectfully,
Jason T. Al
7-23-2012

ALLIED OIL & GAS SERVICES, LLC 053676

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Great Bend, KS
7-15-12

DATE <i>7-14-12</i>	SEC <i>20</i>	TWP. <i>19</i>	RANGE <i>71</i>	CALLED OUT	ON LOCATION	JOB START <i>1:30 AM</i>	JOB FINISH <i>2:00 AM</i>
LEASE <i>Re III</i>	WELL # <i>520</i>	LOCATION <i>E. of Base, KS to FF</i>			COUNTY <i>Wess</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)				<i>90 to 90 1/2 W Sec. 12b</i>			

CONTRACTOR *Retrowork #1*

TYPE OF JOB *Surf job*

HOLE SIZE *17 1/4 T.D.*

CASING SIZE *8 5/8* DEPTH *723*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *American Warrior*

CEMENT AMOUNT ORDERED _____

EQUIPMENT

PUMP TRUCK CEMENTER *Great*

366 HELPER *Kenan S*

BULK TRUCK DRIVER *John C*

341

BULK TRUCK DRIVER

COMMON @ _____

POZMIX @ _____

GEL @ _____

CHLORIDE @ _____

ASC @ _____

HANDLING @ _____

MILEAGE @ _____

TOTAL _____

REMARKS:

Pipe on bottom, Circ. CSG

W/ Rigging Hook up WTK

150 3/4 (194) 3 1/2 CE

Job del Displace w/ 15.25 bbl

fresh H2O, shut in

Cement 25 circ.

11:00 AM

Shut down @ 2:00 AM

CHARGE TO: *American Warrior*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

TOTAL _____

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

@ _____

@ _____

@ _____

@ _____

@ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE *[Signature]*

Date 7.14.12 District GIB Ticket No. 53676
 Company AWI Rig Petromek
 Lease Rolle Well No. 520
 County Dess State KS
 Location _____ Field _____

CEMENT DATA: Fresh H₂O
 Spacer Type: _____
 Amt. 5 Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8 Type New Weight 23 Collar Std

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time 7.00 hrs. Type Class A
240cc 20% gel Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Casing Depths: Top KB Bottom 223

Pump Trucks Used 306 Kenworth
 Bulk Equip. 341 cement

Drill Pipe: Size 4 1/2 Weight _____ Collars XH

Float Equip: Manufacturer _____

Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

Shoe: Type _____ Depth _____

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70

Float: Type _____ Depth _____

Open Holes: Bbls/Lin. ft. .1425 Lin. ft./Bbl. 6.95

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Drill Pipe: Bbls/Lin. ft. .0112 Lin. ft./Bbl. 90.92

Stage Collars _____

Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.60

Special Equip. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

Disp. Fluid Type Active Amt. _____ Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Greg

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						Rig up - hold safety meeting Rig - 8 5/8 casing Casing casing wt rig up and make up cement pump with 150 sks cement Displace w/ 13.25 bbl of fresh water Shut in Cement did circ. Rig down



Services, Inc.

CHANGE TO: ADDRESS AMERICAN WARRIOR
CITY, STATE, ZIP CODE

TICKET NO 20107

PAGE 1 OF 2

1. SERVICE LOCATION: NESS CITY, KS
 2. WELL PROJECT NO: RENS200
 3. TICKET TYPE: SERVICE SALES
 CONTRACTOR: PETROMARK DRILLING
 RIG NAME: NESS
 STATE: KS
 CITY: BRAZIER, KS
 DATE: 25/1/12
 ORDER NO:
 WELL TYPE: OIL
 WELL CATEGORY: DEVELOPMENT
 JOB PURPOSE: 5 1/2" HOUSING
 WELL PERMIT NO:
 WELL LOCATION: 25 1E 15 1/2E S100

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #110	25	mi	1508	4388	PT.	1500
578					PUMP CHARGE	5	EA.				1500
402					CENTRAUZERS	2	EA.				350
403					CEMENT BASKETS	2	EA.				500
404					PORT COLLAR	1	EA.	1439	PT.		2400
406					LATCH DOWN PLUG & Baffle	1	EA.				250
407					INSERT FLAT SHOULDER FILL	1	EA.				350
281					MUD FLUSH	500	gal				175
281					LIQUID KCL	2	gal				2500
419					ROTATING HEAD RENTAL	1	MO.				200

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: 25/1/12
 TIME SIGNED: 0300
 SIGNATURE: [Signature]
 SWIFT OPERATOR: [Signature]

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 JOBS CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 CUSTOMER DID NOT WISH TO RESPOND

AGREE UN- DIS-
 DECIDED AGREE

PAGE TOTAL: 6375
 TAX: 4541
 TOTAL: 10916

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 22 July 12 PAGE NO.

CUSTOMER AMERICAN WARRIOR

WELL NO.

LEASE REIN 5-20

JOB TYPE 5 1/2 LONGSTRING

TICKET NO. 23167

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2130							DN LOCATION
	2340							START PIPE 5 1/2 - 15.5 # RTD @ 4388 SET @ SHOE JT. 41.79' CENTRALIZERS 1, 2, 3, 4, 6, 9 BASKETS 5, 70 PORT COLLAR TOP OF JT # 70 @ 1439
	0122							DROP BALL CIRCULATE
	0156	6	12		✓		400	Pump 500 gal MUD FLUSH
		6	20		✓		400	Pump 20 BBL KCL FLUSH
	0203		7					PLUG RA (30sx)
	0205	4	35		✓			MIX 1/4 5sx EA2
	0217							WASH OUT Pump & LINES
	0219	7			✓		350	START DISPLACING PLUG
	0234	Ø	103 1/2		✓		1500	PLUG DOWN PSI up LATCH PLUG IN
	0236				✓			RELEASE PSI - DRY
	0238							WASH TRUCK
	0300							JOB COMPLETE THANKS #110 JASON JEFF DOUG



Services, Inc.

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

TICKET No 22702

PAGE 1 OF 1

1. SERVICE LOCATIONS: **Wichita KS** WEL/PROJECT NO: **5-20** LEASE: **Ryan Rein** COUNTY/PARISH: **Neosho** STATE: **KS** CITY: **Barzine** DATE: **24 Jul 12** OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: **#2** RIG NAME/NO: **4** SHIPPED BY: **MT** DELIVERED TO: **Location** ORDER NO:
 3. WEL TYPE: **0-1** WEL CATEGORY: **Development** JOB PURPOSE: **convert part collar** WEL PERMIT NO:
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE	35	mi			6.60	150.00
576 D				Pump Charge	1	ea			1250.00	1250.00
330				SMB cement	125	kg			16.50	2062.50
276				Fluoride	50	lb			2.00	100.00
290				D-air	2	pa			35.00	70.00
104				Post Coler Tool Rental	1	pa			250.00	250.00
581				Service charges	1	755k			2.00	350.00
582				Drillage (win)	1	pa			250.00	250.00

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

DATE SIGNED: **Scott** TIME SIGNED: **1:05** 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? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **4482** 50

TAX: **7.55**

TOTAL: **4638** 90

SWIFT OPERATOR: **APG** APPROVAL: **APG**

CUSTOMER ACCEPTANCE OF MATERIALS & SERVICES

Thank you!

JOB LOG

SWIFT Services, Inc.

DATE 24 Jul 12 PAGE NO. 1

CUSTOMER American West. WELL NO. 5-20 LEASE Ryan #2177 JOB TYPE Cement port collar TICKET NO. 22782

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sk SMD w/ 1/4" floater 2 3/4" 5 1/2" PORT collar @ 1439'
	1530							on loc TRK 114
	1600							HD ng 4 on loc
	1718					1000	1000	test to 1000 psi - held
	1721	3	2			300		inj rate 3 bpm @ 300 psi
	1725	4				400		Mix SMD cement @ 11.2 ppg
		4	4			400		4 bbl to fluid
		4	70			400		- cement to surface -
		4	5			400		H ₂ O displace close port collar test to 1000 psi - held
	1720							Reverse hole clean - 2 cement plugs -
	1750		15					wash truck
	1810							Rack up
	1830							job complete
								Thanks Flt. Jones / DAVE