



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1251462
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1251462

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Shank 5-11
Doc ID	1251462

Tops

Name	Top	Datum
Anhydrite	1475	795
Heebner	3786	-1516
Lansing	3831	-1561
Base Kansas City	4169	-1899
Pawnee	4296	-2026
Ft. Scott	4328	-2058
Cherokee	4346	-2076
Mississippian	4414	-2144
TD	4430	-2160



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Shank #5-11

11-20s-21w Ness,KS

Start Date: 2015.01.31 @ 15:35:00

End Date: 2015.01.31 @ 23:38:00

Job Ticket #: 62413 DST #: 1

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

Printed: 2015.02.02 @ 16:00:02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

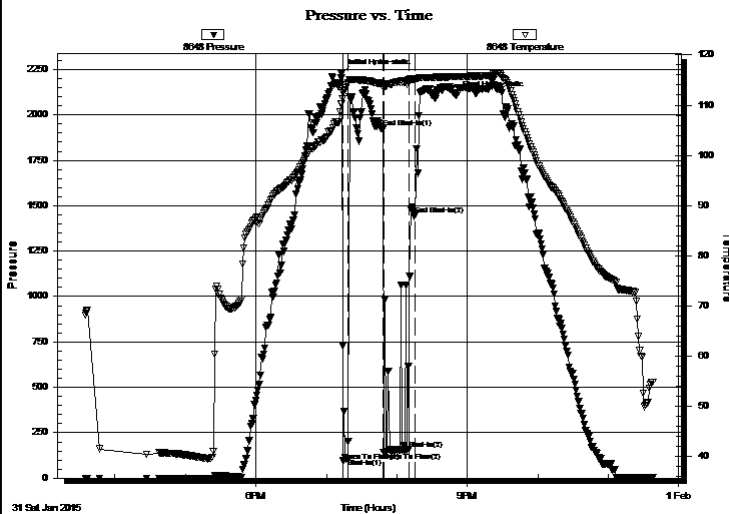
11-20s-21w Ness, KS
Shank #5-11
Job Ticket: 62413 **DST#: 1**
Test Start: 2015.01.31 @ 15:35:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:14:30
Time Test Ended: 23:38:00
Interval: **4416.00 ft (KB) To 4430.00 ft (KB) (TVD)**
Total Depth: 4430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Cody Bloedorn
Unit No: 73
Reference Elevations: 2270.00 ft (KB)
2262.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8648 Inside
Press@RunDepth: 160.27 psig @ 4417.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.31 End Date: 2015.01.31 Last Calib.: 2015.01.31
Start Time: 15:35:05 End Time: 23:37:59 Time On Btm: 2015.01.31 @ 19:13:00
Time Off Btm: 2015.01.31 @ 20:50:45

TEST COMMENT: 05 - IF- B.O.B. in 1 minute. slid 2' Sliding throughout test
30 - IS- No return
45 - FF- 8 1/4" blow
45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2228.84	110.35	Initial Hydro-static
2	94.92	112.43	Open To Flow (1)
6	108.19	114.25	Shut-In(1)
36	1929.33	114.26	End Shut-In(1)
36	143.97	113.29	Open To Flow (2)
57	160.27	114.48	Shut-In(2)
63	1451.95	115.19	End Shut-In(2)
98	2107.11	115.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Mud, 100%M	3.23

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

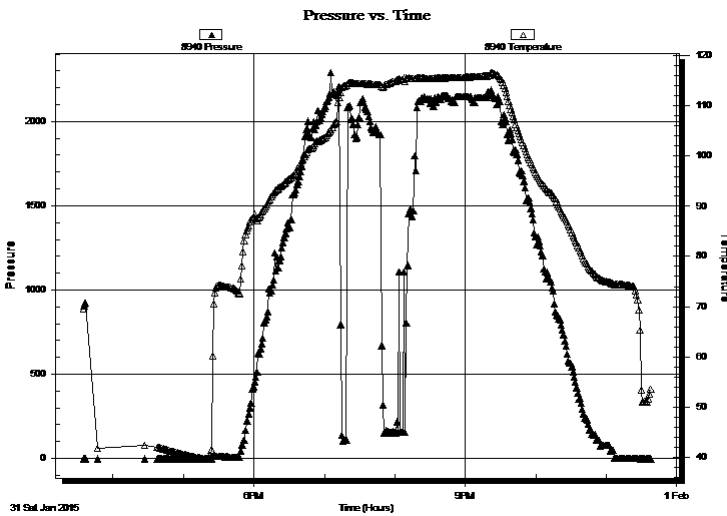
11-20s-21w Ness, KS
Shank #5-11
 Job Ticket: 62413 **DST#: 1**
 Test Start: 2015.01.31 @ 15:35:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 19:14:30 Tester: Cody Bloedorn
 Time Test Ended: 23:38:00 Unit No: 73
 Interval: **4416.00 ft (KB) To 4430.00 ft (KB) (TVD)** Reference Elevations: 2270.00 ft (KB)
 Total Depth: 4430.00 ft (KB) (TVD) 2262.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8940 Outside
 Press@RunDepth: psig @ 4417.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.31 End Date: 2015.01.31 Last Calib.: 2015.01.31
 Start Time: 15:35:05 End Time: 23:37:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: 05 - IF- B.O.B. in 1 minute. slid 2' Sliding throughout test
 30 - IS- No return
 45 - FF- 8 1/4" blow
 45 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	Mud, 100%M	3.23

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

11-20s-21w Ness, KS
Shank #5-11
Job Ticket: 62413 **DST#: 1**
Test Start: 2015.01.31 @ 15:35:00

Tool Information

Drill Pipe:	Length: 4375.00 ft	Diameter: 3.80 inches	Volume: 61.37 bbl	Tool Weight: 2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 61.52 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4416.00 ft			Final 63000.00 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			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	3.00			4407.00	
Packer	5.00			4412.00	28.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	8648	Inside	4417.00	
Recorder	0.00	8940	Outside	4417.00	
Perforations	10.00			4427.00	
Bullnose	3.00			4430.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

11-20s-21w Ness, KS
Shank #5-11
Job Ticket: 62413 **DST#: 1**
Test Start: 2015.01.31 @ 15:35:00

Mud and Cushion Information

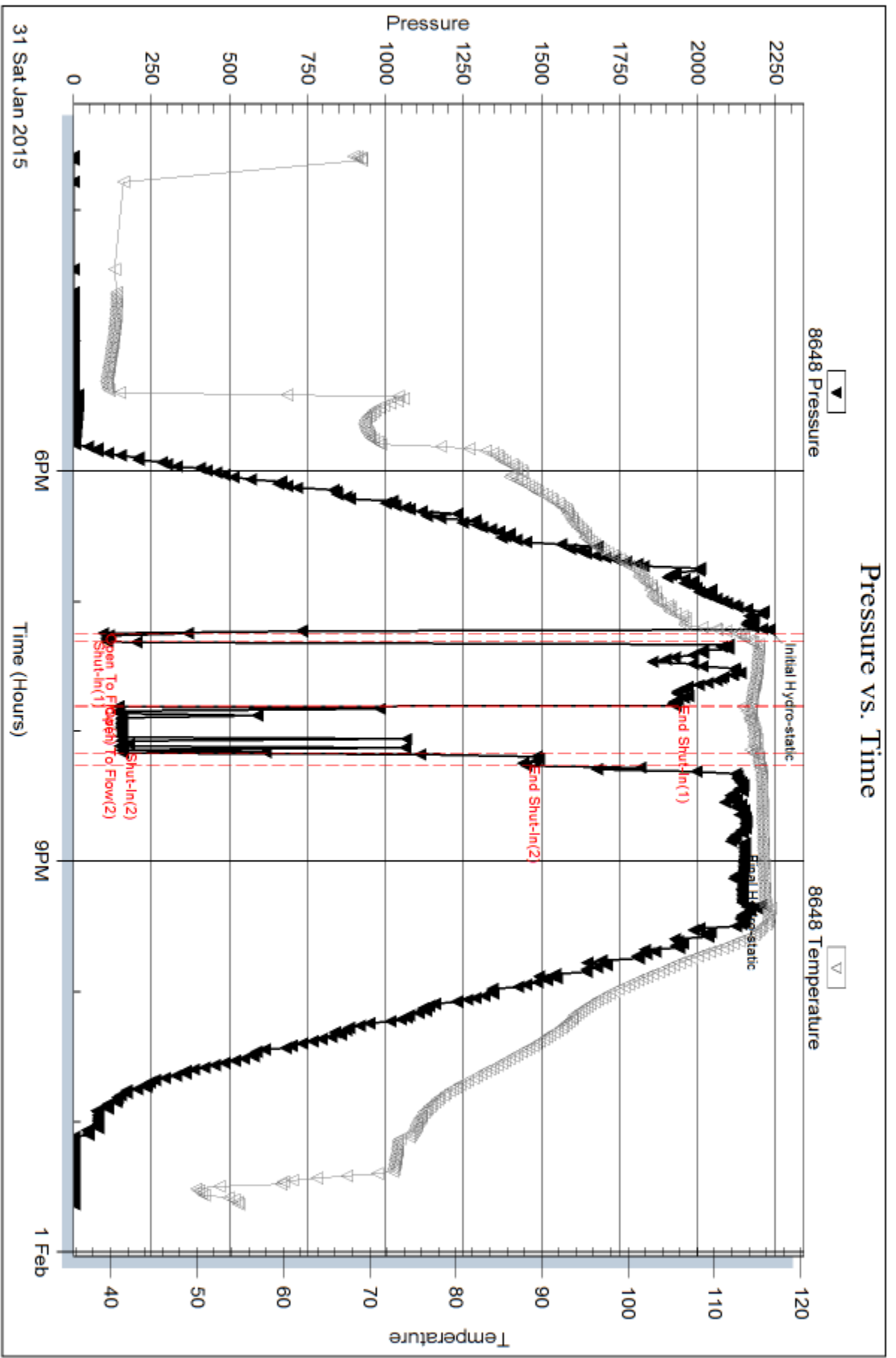
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

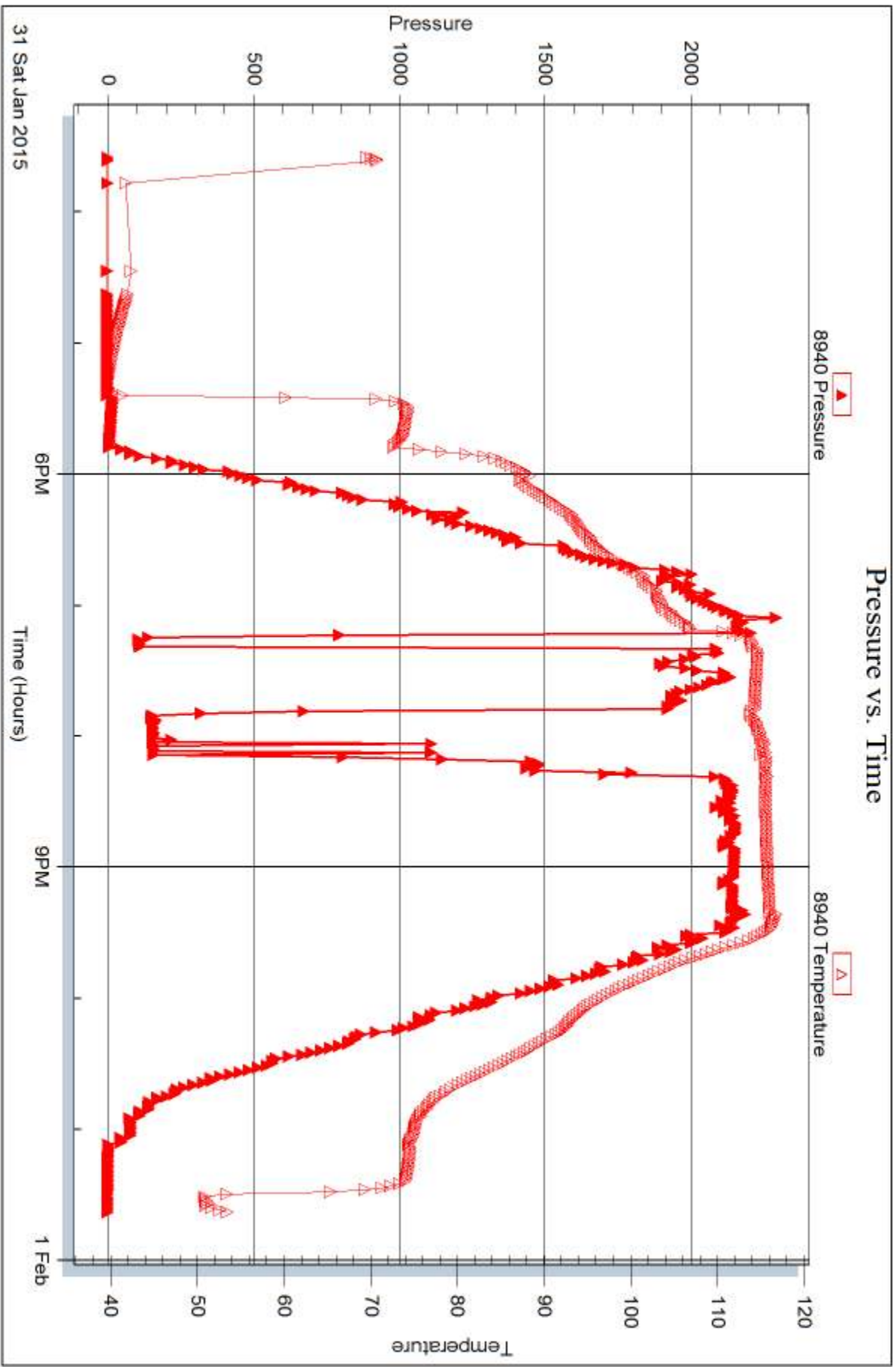
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	Mud, 100%M	3.234

Total Length: 250.00 ft Total Volume: 3.234 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**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

Shank #5-11

11-20s-21w Ness,KS

Start Date: 2015.02.01 @ 05:24:00

End Date: 2015.02.01 @ 12:40:15

Job Ticket #: 62414 DST #: 2

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

Printed: 2015.02.02 @ 15:59:18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

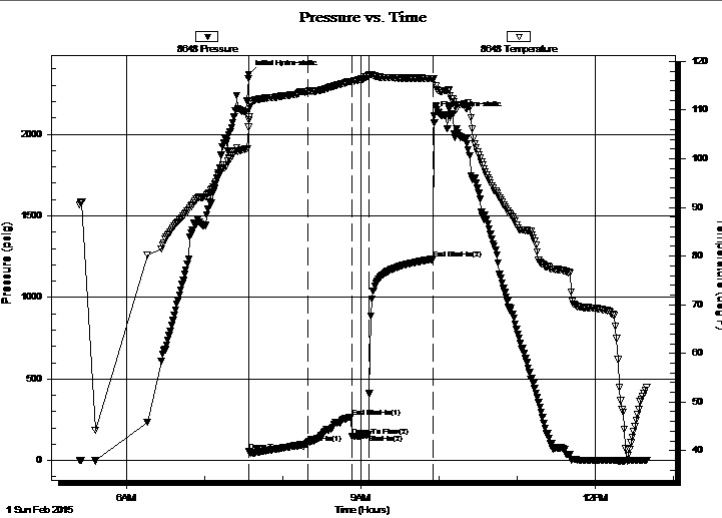
11-20s-21w Ness, KS
Shank #5-11
Job Ticket: 62414 **DST#: 2**
Test Start: 2015.02.01 @ 05:24:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:34:00
Time Test Ended: 12:40:15
Interval: **4417.00 ft (KB) To 4430.00 ft (KB) (TVD)**
Total Depth: 4430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Cody Bloedorn
Unit No: 73
Reference Elevations: 2270.00 ft (KB)
2262.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8648 Inside
Press@RunDepth: 103.18 psig @ 4418.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.02.01 End Date: 2015.02.01 Last Calib.: 2015.02.01
Start Time: 05:24:05 End Time: 12:40:14 Time On Btm: 2015.02.01 @ 07:34:00
Time Off Btm: 2015.02.01 @ 09:56:30

TEST COMMENT: 45 - IF- 8" blow
30 - IS- 2" return
15 - FF- 3" blow
45 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2367.17	107.95	Initial Hydro-static
1	56.83	108.53	Open To Flow (1)
45	103.18	113.76	Shut-In(1)
79	268.44	115.92	End Shut-In(1)
80	147.18	115.86	Open To Flow (2)
93	160.02	117.05	Shut-In(2)
142	1234.88	116.51	End Shut-In(2)
143	2116.45	116.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCWM, 5%O, 45%W, 50%M	0.60
124.00	SOCMW, 5%O, 5%M, 90%W	1.74
102.00	SOCWM, 5%O, 25%W, 70%M	1.43
10.00	GO, 5%G, 95%O	0.14

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

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

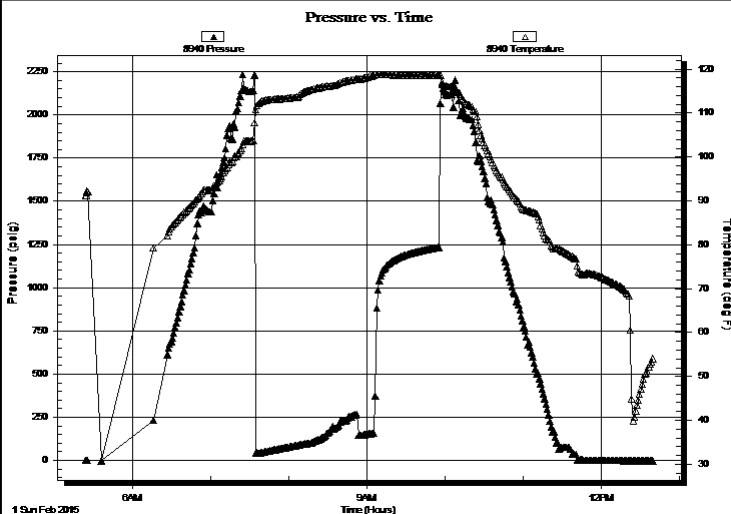
11-20s-21w Ness, KS
Shank #5-11
 Job Ticket: 62414 **DST#: 2**
 Test Start: 2015.02.01 @ 05:24:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:34:00
 Time Test Ended: 12:40:15
 Interval: **4417.00 ft (KB) To 4430.00 ft (KB) (TVD)**
 Total Depth: 4430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2270.00 ft (KB)
 2262.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8940 Outside
 Press@RunDepth: psig @ 4418.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.02.01 End Date: 2015.02.01 Last Calib.: 2015.02.01
 Start Time: 05:24:05 End Time: 12:40:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45 - IF- 8" blow
 30 - IS- 2" return
 15 - FF- 3" blow
 45 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCWM, 5%O, 45%W, 50%M	0.60
124.00	SOCMW, 5%O, 5%M, 90%W	1.74
102.00	SOCWM, 5%O, 25%W, 70%M	1.43
10.00	GO, 5%G, 95%O	0.14

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
PO Box 399
Garden City KS 67846
ATTN: Jason Alm

11-20s-21w Ness,KS
Shank #5-11
Job Ticket: 62414 **DST#: 2**
Test Start: 2015.02.01 @ 05:24:00

Tool Information

Drill Pipe:	Length: 4375.00 ft	Diameter: 3.80 inches	Volume: 61.37 bbl	Tool Weight: 2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4417.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 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			4390.00	
Shut In Tool	5.00			4395.00	
Hydraulic tool	5.00			4400.00	
Jars	5.00			4405.00	
Safety Joint	3.00			4408.00	
Packer	5.00			4413.00	28.00 Bottom Of Top Packer
Packer	4.00			4417.00	
Stubb	1.00			4418.00	
Recorder	0.00	8648	Inside	4418.00	
Recorder	0.00	8940	Outside	4418.00	
Perforations	9.00			4427.00	
Bullnose	3.00			4430.00	13.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

11-20s-21w Ness,KS
Shank #5-11
Job Ticket: 62414 **DST#: 2**
Test Start: 2015.02.01 @ 05:24:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	38000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SOCWM, 5%O, 45%W, 50%M	0.596
124.00	SOCMW, 5%O, 5%M, 90%W	1.739
102.00	SOCWM, 5%O, 25%W, 70%M	1.431
10.00	GO, 5%G, 95%O	0.140

Total Length: 298.00 ft Total Volume: 3.906 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .26 @ 50 Degrees = 38,000 Chlorides

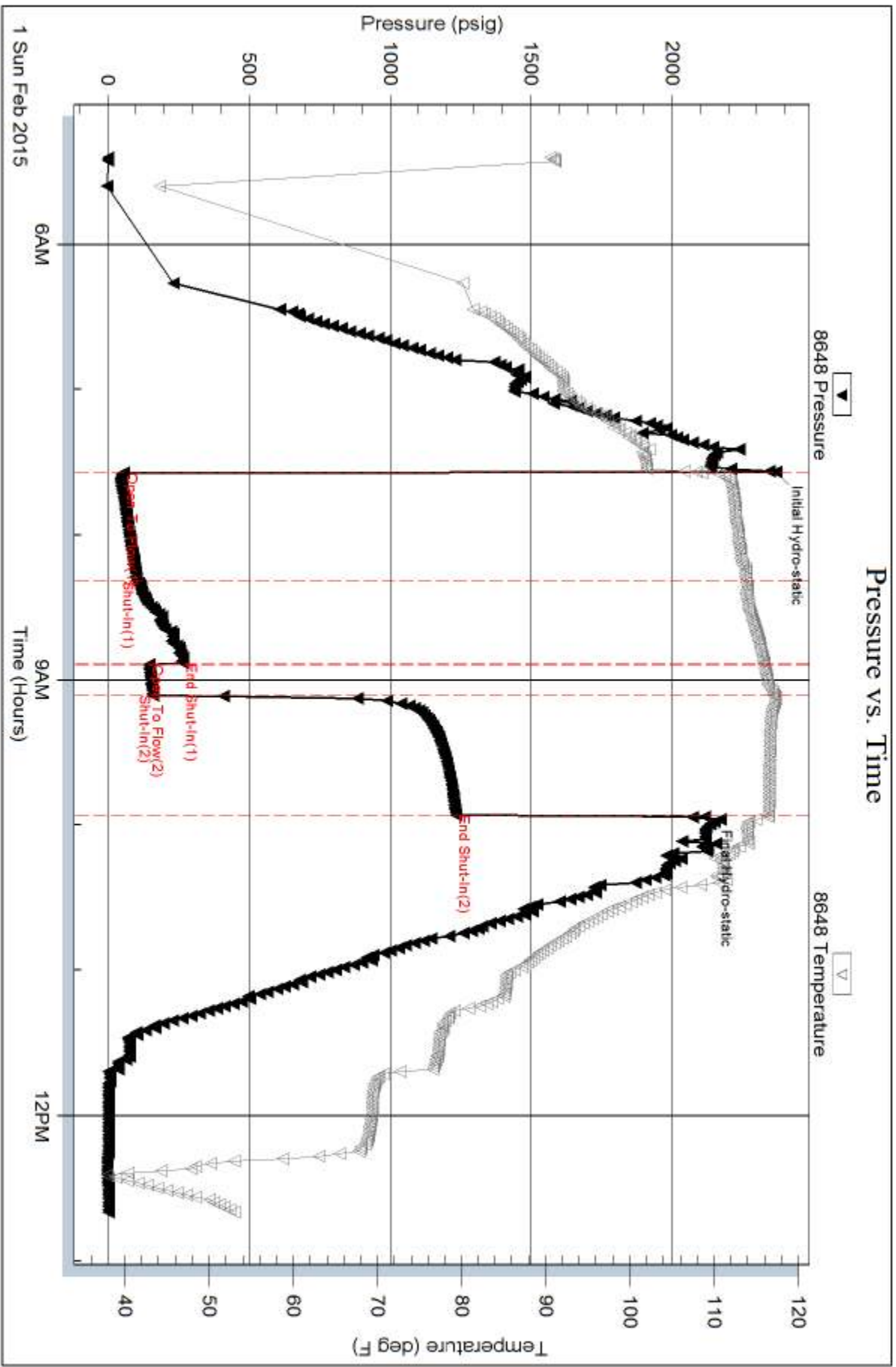
Serial #: 8648

Inside

American Warrior Inc

Shank #5-11

DST Test Number: 2

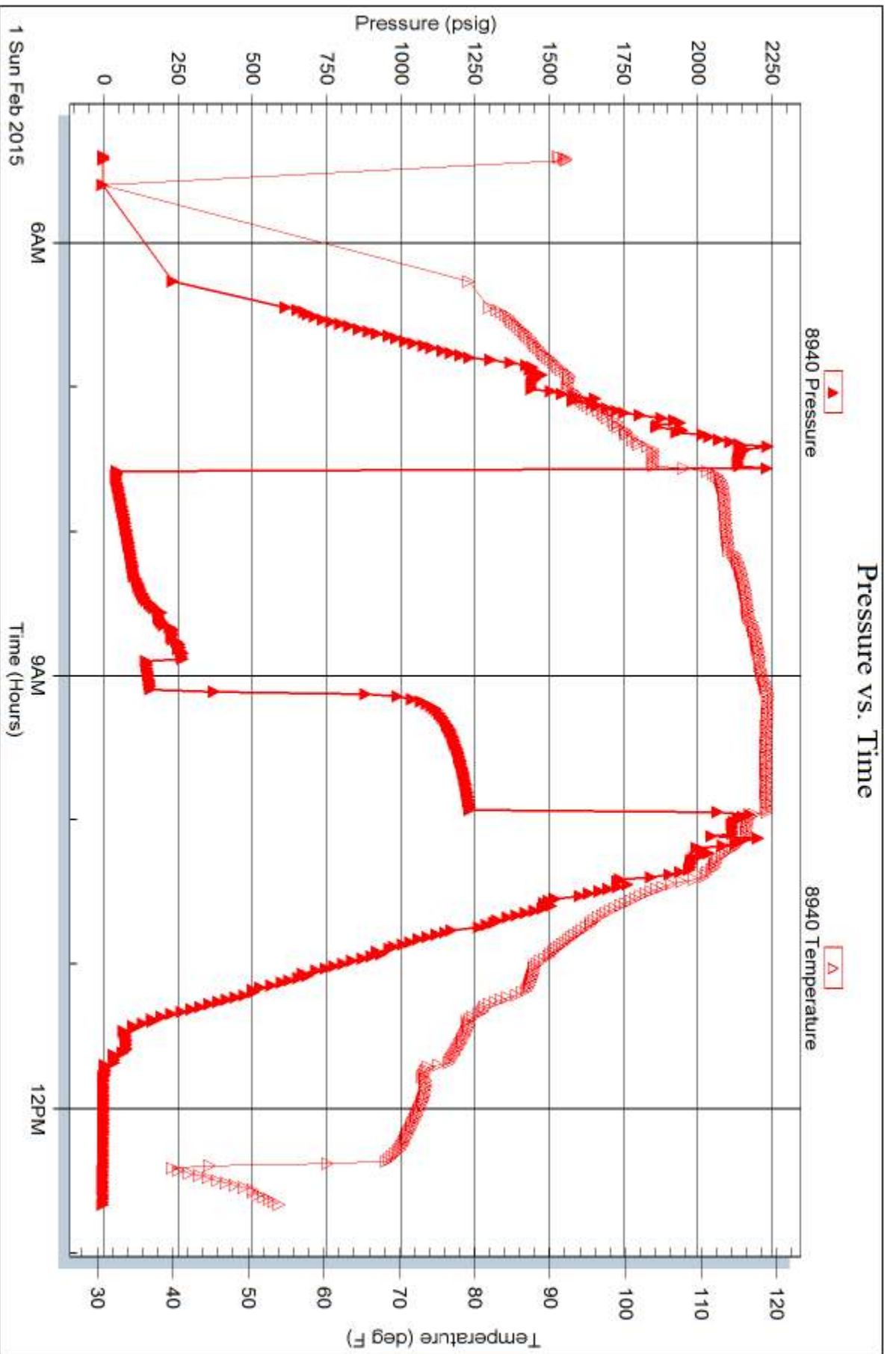


Serial #: 8940

Outside American Warrior Inc

Shank #5-11

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62414

Printed: 2015.02.02 @ 15:59:20



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62413

Well Name & No. Shank #5-11 Test No. 1 Date 1-31-15
 Company American Warrior INC Elevation 2262 KB 2270 GL
 Address PO Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Discovery #3
 Location: Sec. 11 Twp. 20S Rge. 21W Co. Ness State KS

Interval Tested 4416-4430 Zone Tested Miss
 Anchor Length 14' Drill Pipe Run 4375' Mud Wt. 9.0
 Top Packer Depth 4411 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 4416 Wt. Pipe Run — WL 7.2
 Total Depth 4430 Chlorides 2,400 ppm System LCM 1

Blow Description IF-B.O.B. in 1 minute slid 2'
ISI - No return
FF - 8 1/4" blow
FST - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</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

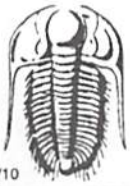
Rec Total 250 BHT 115° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2228</u>	<input checked="" type="checkbox"/> Test <u>950</u>	T-On Location <u>1515</u>
(B) First Initial Flow <u>94</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1535</u>
(C) First Final Flow <u>108</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1913</u>
(D) Initial Shut-In <u>1929</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>2118</u>
(E) Second Initial Flow <u>143</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>2337</u>
(F) Second Final Flow <u>160</u>	<input checked="" type="checkbox"/> Mileage <u>114 RT 114</u>	Comments <u>suppose to be on</u>
(G) Final Shut-In <u>1451</u>	<input type="checkbox"/> Sampler <u>—</u>	<u>bank @ 4:30pm</u>
(H) Final Hydrostatic <u>2107</u>	<input type="checkbox"/> Straddle <u>—</u>	<u>on bank 5:45pm</u>
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby <u>—</u>	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility <u>—</u>	Total <u>1389</u>
	Sub Total <u>1389</u>	MP/DST Disc't <u>—</u>

Approved By _____

Our Representative Cody Bledorn

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. **62414**

Well Name & No. shank #5-11 Test No. 2 Date 2-1-15
 Company American Warrior Inc Elevation 2262 KB 2270 GL
 Address PO Box 399, Garden City KS, 67846
 Co. Rep / Geo. Jason Alm Rig Discovery #3
 Location: Sec. 11 Twp. 20S Rge. 21W Co. Ness State KS

Interval Tested 4417 - 4430 Zone Tested Miss
 Anchor Length 13' Drill Pipe Run 4375 Mud Wt. 9.0
 Top Packer Depth 4412 Drill Collars Run 30' Vis 52
 Bottom Packer Depth 4417 Wt. Pipe Run — WL 7.2
 Total Depth 4430 Chlorides 2400 ppm System LCM 1

Blow Description IF- 8" blow
ISI- 2" return
FF- 3" blow
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>50CWM</u>	<u>5</u>	<u>45</u>	<u>50</u>	<u>—</u>
<u>124</u>	<u>50CMW</u>	<u>5</u>	<u>90</u>	<u>5</u>	<u>—</u>
<u>102</u>	<u>50CWM</u>	<u>5</u>	<u>25</u>	<u>70</u>	<u>—</u>
<u>10</u>	<u>60</u>	<u>5</u>	<u>95</u>	<u>—</u>	<u>—</u>
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 298' BHT 116° Gravity — API RW 1.26 @ .50 °F Chlorides 38,000 ppm
 (A) Initial Hydrostatic 2343 Test 1150 T-On Location 1200
 (B) First Initial Flow ~~2307~~ 56 Jars 250 T-Started 0524
 (C) First Final Flow 103 Safety Joint 75 T-Open 0735
 (D) Initial Shut-In 268 Circ Sub _____ T-Pulled 0950
 (E) Second Initial Flow 147 Hourly Standby _____ T-Out 1240
 (F) Second Final Flow 160 Mileage _____
 (G) Final Shut-In 1234 Sampler _____
 (H) Final Hydrostatic 2116 Straddle _____

Initial Open 45 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 15 Extra Copies _____
 Final Shut-In 45 Extra Recorder _____
 Sub Total 1475
 Total 1475
 Sub Total 1475 Day Standby _____
 Accessibility _____ MP/DST Disc't _____

Approved By _____ Our Representative Cody Bloodorn

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.



CHARGE TO: 1110.0001.010.00
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 20159
 PAGE 1 OF 1

1. SERVICE LOCATIONS: WELL/PROJECT NO. 5-11 LEASE Shook COUNTY/PARISH Ness STATE KS CITY Bazine DATE 26 Jan 15 OWNER
 2. TICKET TYPE SERVICE CONTRACTOR Shook RIG NAME/NO. 3 SHIPPED MAINT DELIVERED TO Shook ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Production JOB PURPOSE Shook part collect WELL PERMIT NO. WELL LOCATION 11-20-21

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE	30	mi			6.00	180.00
576 S				Pump Charge	1	ea			1700.00	1700.00
325				Shooked cement	150	sk			14.50	2175.00
279				Benton to gel	2	%	300	lb	35.00	75.00
276				Calcium chloride	3	%	350	lb	50.00	200.00
290				D.A.R.	2	ea			42.00	84.00
581				Spill clean	150	sk			2.00	300.00
562				Drillage (oil)	1	cu			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 _____ 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?
 CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL _____ TAX _____ TOTAL _____

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

SWIFT OPERATOR NCM APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 26 Jan 15 PAGE NO. 1

CUSTOMER *Amoco Warrant* WELL NO. *5-11* LEASE *Shank* JOB TYPE *Cement surface pipe* TICKET NO. *28159*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150' sk standard cement w/ 2% Agel, 3% PCC
								8 5/8" 23' casing 5 jts 221'
	1800							on loc TRK 114
	1834							start 8 5/8" pipe in well
	1900							circulate well
	1910	34	37			100		mix standard cement 2% Agel, 3% PCC
	1924	6	13			150		Displace w/ H ₂ O
	1928							Kickout - shot in 8 5/8"
								Cement to surface
								{ 18' sk cement 20' H ₂ O }
	1931							wash truck
								pack up
	1950							job complete
								7 hrs
								Blaine, Flat, Tenn



CHARGE TO: American Water
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 28170

PAGE 1 OF

SERVICE LOCATION 1. <u>Wichita KS</u>	WELL/PROJECT NO. <u>5-11</u>	LEASE <u>Shank</u>	COUNTY/PARISH <u>Neos</u>	STATE <u>KS</u>	CITY <u>Bazine</u>	DATE <u>12 Feb 15</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>RT</u>	DELIVERED TO <u>Reaction</u>	ORDER NO.	
3.	WELL TYPE <u>D-1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>small port collar</u>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.			UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.		
575					TRK 114		25	hr		5.00	125.00
576-D					Pump Charge		1	ea		1250.00	1250.00
395					SMB cement		125	ea		10.00	1250.00
276					Fluoride		50	lb		2.25	112.50
290					D-air		2	gal		42.00	84.00
288					sand		1	bk		22.00	22.00
102					TSU plug Rental		1	ea		1000.00	1000.00
104					opening tool Rental		1	ea		200.00	200.00
581					Service charge		1	hr		1.00	262.50
582					Drainage (min)		1	hr		250.00	250.00
330					SMB cement		125	ea		15.75	1968.75

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: 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?	AGREE	UN-DECIDED	DIS-AGREE
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?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL: 5274.75

TOTAL: 5483.07

TAX: 6.15%

NET: 208.32

SWIFT OPERATOR: _____ APPROVAL: _____

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: _____

The customer hereby acknowledges receipt of the materials and services listed on this ticket.

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE Feb 15 PAGE NO. 7

CUSTOMER American Larrion WELL NO. 5-11 LEASE Shanks JOB TYPE Cement port collar TICKET NO. 28170

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								1755L SMD cement w/ 1/2" flocculant 2 3/4" x 5 1/2" port collar 1450' RBP at 3500'
	1500							on loc TRK 111
	1520					1000	1000	Test to 1000psi - held open port collar
	1530	3 1/2	3			200		inj rate 3 1/2 @ 500psi
	1534	3 1/2				500		Mix SMD cement @ 11.2 ppg
		3 1/2	5			500		- fluid to surface -
	1545	3 1/2	66			650		- cement to surface - <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 125 sk cement 15 min </div>
		3 1/2	5			650		Displace w/ 5 bbl H ₂ O
	1658					1000	1000	close port collar test to 1000 psi - held
	1600							Run 5 joints
	1610							Reverse hole clean - 2 cement plugs -
	1620							Run jts into get plug
	1630							wash track
	1655		35					Reverse sand off plug
	1710							Attach onto plug Pack up
	1730							job complete Thru Blaine, Flint & Craig - change for TSU, sand & grout tool -



CHARGE TO: American Woodco, Inc
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET 28118
 PAGE 1 OF 2

1. SERVICE LOCATIONS: Ness, KS WELLS/PROJECT NO. S-11 LEASE SWAY COUNTY/PARISH Ness STATE KS DATE 2-1-15 OWNER same

2. TICKET TYPE SALES CONTRACTOR Discovery Drilling #3 RIG NUMBER SHIPPED VIA air DELIVERED TO location ORDER NO.

3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE 5 1/2" Lossstraks WELL PERMIT NO. WELL LOCATION BAYNE, KS - 4E, 8S, 314E

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE # 114	25	mi			500	125.00
578					PUMP GRADE	1	no	4130	ft	1250.00	1250.00
221					STAND YC1	2	gal			25.00	50.00
281					MUDFLUSH	500	gal			1.25	625.00
402					CENTRALIZERS	5	ea		5 1/2"	60.00	300.00
403					CEMENT BASKETS	2	ea			250.00	500.00
404					PORT COLLAR	1	ea	1450	ft	2500.00	2500.00
406					LATCH DOWN PLUG - BATTLE	1	ea			225.00	225.00
407					INSERT FLOOR SLUG w/ AUTO FILL	1	ea			300.00	300.00
419					ROD PUMP HEAD ASSEMBLY	1	ea			300.00	300.00

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 2-1-15 TIME SIGNED 2:00 P.M. PM

SWIFT OPERATOR Wade Wilson APPROVAL _____

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1 TAX 2 TOTAL 5875.00

TOTAL 4398.75

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2-1-15 PAGE NO.

CUSTOMER AMERICAN WOODCOCK LAK WELL NO. 5-11 LEASE SHANK JOB TYPE 5 1/2" LONGSTRENGTH TICKET NO. 28118

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/DAY)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							ON LOCATION
	2200							START 5 1/2" CASING IN WELL
								TD-4430 SET = 4429 TP-4434 5 1/2" 155 ST-40' CENTRALIZERS - 1, 2, 3, 4, 75 CMT BSRS - 5, 76 PORT COLLAR - 1450 TOP JT = 76
	0015							DROP BALL - CALCULATE ROTATE
	0110	6	12		✓		450	PUMP 500 GAL MUDFLUSH
	0112	6	20		✓		450	PUMP 20 BNS KCL-FLUSH
	0120		7.5					PLUG RH - (30SKS) MH - (20SKS)
	0130	4	30		✓		300	MIX CEMENT - 125 SKS EA-2 @ 15.4 PPG
	0140							WASH OUT PUMP - LINES
	0140							RELEASE LATCH DOWN PLUG
	0145	7	0		✓		0	DISPLACE PLUG
		7	100				750	
	0200	6	104.6				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	0205						OK	RELEASE PSE - HEAD
								WASH TRUCK
	0300							JOB COMPLETE

THANK YOU
WAYNE, DUSTY, JOHN J., TYLER

Geological Report

American Warrior, Inc.

Shank #5-11

950' FNL & 1830' FWL

Sec. 11 T20s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Shank #5-11
950' FNL & 1830' FWL
Sec. 11 T20s R21w
Ness County, Kansas
API # 15-135-25835-0000

Drilling Contractor: Discovery Drilling Rig #3

Geologist: Jason T Alm

Spud Date: January 26, 2015

Completion Date: February 1, 2015

Elevation: 2262' Ground Level
2270' Kelly Bushing

Directions: Bazine KS, 4 mi East on Hwy 96 to the HH Rd. 8
mi South to 50 Rd. East 1/4 mi, South into location.

Casing: 220' 8 5/8" surface casing
4429' 5 1/2" production casing

Samples: 10' wet and dry, 4000' to RTD

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Cody Bloedorn"

Problems: Test tool slid to bottom and plugged on DST #1.
Tool was out of stage during Initial Shut In for DST
#2.

Remarks: Readings from Initial Shut In for DST #2 are
invalid.

Formation Tops

	American Warrior, Inc. Shank #5-11 Sec. 11 T20s R21w 950' FNL & 1830' FWL
Formation	
Anhydrite	1475', +795
Base	1505', +765
Heebner	3786', -1516
Lansing	3831', -1561
BKc	4169', -1899
Pawnee	4296', -2026
Fort Scott	4328', -2058
Cherokee	4346', -2076
Mississippian	4414', -2144
RTD	4430', -2160

Sample Zone Descriptions

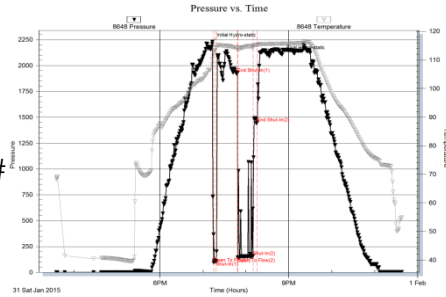
- Fort Scott (4328', -2058): Not Tested**
 Ls – Fine to sub-crystalline with poor pinpoint inter-crystalline porosity. Light brown oil stain with spotted saturation, no show of free oil, light odor, 14 units hotwire.
- Mississippian Osage (4414', -2144): Covered in DST #1, 2**
 Δ – White, Triptolic, weathered with good vuggy porosity, slightly dolomitic with light spotted oil stain, slight show of free oil on cup, light odor, 15 units hotwire.

Drill Stem Tests
Trilobite Testing, Inc.
“Cody Bloedorn”

DST #1 Mississippian Osage

Interval (4416' – 4430') Anchor Length 14'

IHP	– 2228 #	
IFP	– 05” – B.O.B. 1 min.	94-108 #
ISI	– 30” – Dead	1929 #
FFP	– 45” – Built to 8 ¼ in.	143-160 #
FSI	– 45” – Dead	1452 #
FHP	– 2107 #	
BHT	– 115°F	

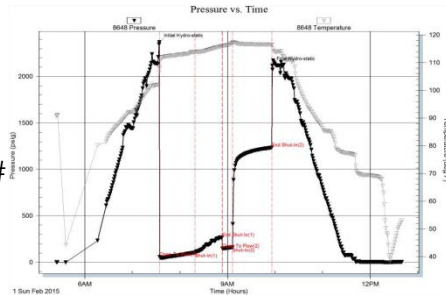


Recovery: 250' Mud 100% Mud
*Tool slid to bottom, plugged and packers failed. Tool slid again on final flow.

DST #2 Mississippian Osage

Interval (4417' – 4430') Anchor Length 13'

IHP	– 2367 #	
IFP	– 45” – Built to 8 in.	56-103 #
ISI	– 30” – Built to 2 in.	268 #
FFP	– 15” – Built to 3 in.	147-160 #
FSI	– 45” – Dead	1235 #
FHP	– 2116 #	
BHT	– 117°F	



Recovery: 10' Clean Oil
 102' SOCWM 5% Oil, 25% Water
 124' SOCMW 5% Oil, 90% Water
 62' SOCWM 5% Oil, 45% Water
*Tool was out of stage causing readings from the Initial Shut In to be invalid.

Structural Comparison

	American Warrior, Inc. Shank #5-11 Sec. 11 T20s R21w 950' FNL & 1830' FWL	American Warrior, Inc. Shank #1-11 Sec. 11 T20s R21w 1250' FNL & 1500' FWL		American Warrior, Inc. Shank #4-11 Sec. 11 T20s R21w 900' FNL & 950' FWL	
Formation					
Anhydrite	1475', +795	1466', +794	(+1)	1459', +796	(-1)
Base	1505', +765	NA	NA	1492', +763	(+2)
Heebner	3786', -1516	3776', -1516	FL	3771', -1516	FL
Lansing	3831', -1561	3823', -1563	(+2)	3816', -1561	FL
BKc	4169', -1899	NA	NA	4154', -1899	FL
Pawnee	4296', -2026	4286', -2026	FL	4281', -2026	FL
Fort Scott	4328', -2058	4314', -2054	(-4)	4313', -2058	FL
Cherokee	4346', -2076	4333', -2073	(-3)	4334', -2079	(+3)
Mississippian	4414', -2144	4394', -2134	(-10)	4399', -2144	FL

Summary

The location for the Shank #5-11 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two 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 ½ inch production casing to further evaluate the Shank #5-11 well.

Recommended Perforations

Primary:

Mississippian Osage (4414' – 4424') DST #1,2

Before Abandonment:

Fort Scott (4331' – 4335') Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.

