

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 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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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	HCH 1-22
Doc ID	1399098

Tops

Name	Top	Datum
Anhydrite	1474	777
Heebner	3724	-1473
Lansing	3773	-1522
BKC	4093	-1842
Pawnee	4212	-1961
Ft. Scott	4285	-2034
Cherokee	4310	-2059
Missippian	4386	-2135
RTD	4427	2176

		Geologic Report Drilling Time and Sample Log	
Operator American Warrior, Inc.		KB Elevation 2251'	DF 2243'
Lease HCH	No. 1-22	Casing Record Surface 8 5/8" @ 209'	
API # 15-135-25988-0000		Production None	
Field Wildcat		Electrical Surveys None	
Location 1160' FNL & 2015' FEL			
Sec. 22	Twp. 20s	Rge. 22w	
County Ness	State Kansas		
Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite Base		1474' +777 1511' +740	+1
Heebner		3724' -1473	+2
Lansing		3773' -1522	+1
BKC		4093' -1842	FL
Pawnee		4212' -1961	FL
Fort Scott		4285' -2034	+3
Cherokee		4310' -2059	+4
Mississippian		4386' -2135	+4
Osage		4411' -2160	+12
Total Depth		4427' -2176	
Reference Well For Structural Comparison Mack Oil Co. Cox #1 C NW NE Sec. 22 T20s R22w Ness County, Kansas			

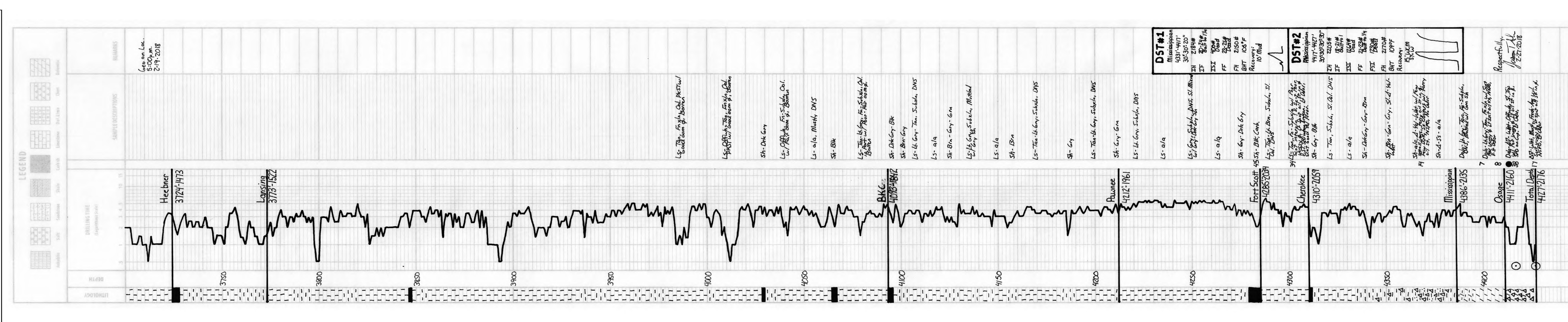
Drilling Contractor	Discovery Drilling, Inc.	Rig #4
Commenced	2-15-2018	Completed 2-22-2018
Samples Saved From	4000'	To RTD
Drilling Time Kept From	3700'	To RTD
Samples Examined From	4000'	To RTD
Geological Supervision From	4000'	To RTD
Displacement	3500'	Mud Type Chemical

Summary and Recommendations

The location for the HCH was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted, both were negative. After all gathered data had been examined the decision was made to plug and abandon the HCH #1-22 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



Geological Report

HCH #1-22
1160' FNL & 2015' FEL
Sec. 22 T20s R22w
Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
HCH #1-22
1160' FNL & 2015' FEL
Sec. 22 T20s R22w
Ness County, Kansas
API # 15-135-25988-0000

Drilling Contractor: Discovery Drilling Rig #4

Geologist: Jason T Alm

Spud Date: February 15, 2018

Completion Date: February 22, 2018

Elevation: 2243' Ground Level
2251' Kelly Bushing

Directions: Bazine KS, West on Hwy 96 2 mi to BB Rd. South
10 mi to 30 Rd. West and South into location.

Casing: 209' 8 5/8" surface casing

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

Drilling Time: 3700' to RTD

Electric Logs: None

Drillstem Tests: Two, Trilobite Testing, Inc. "Brandon Turley"

Problems: None

Remarks: None

Formation Tops

Formation	American Warrior, Inc.
	HCH #1-22
	Sec. 22 T20s R22w
	1160' FNL & 2015' FEL
Anhydrite	1474' +777
Base	1511' +740
Heebner	3724' -1473
Lansing	3773' -1522
BKC	4093' -1842
Pawnee	4212' -1961
Fort Scott	4285' -2034
Cherokee	4310' -2059
Mississippian	4386' -2135
Osage	4411' -2160
RTD	4427' -2176

Sample Zone Descriptions

Mississippian Osage (4411', -2160): **Covered in DST #1,2**

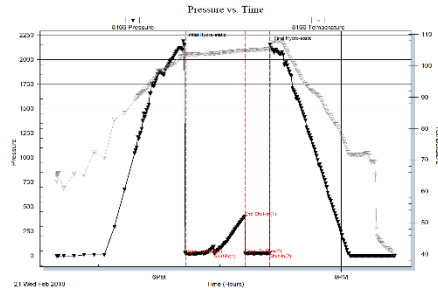
Δ – White, slightly triptolic with fair vuggy porosity, light oil stain in porosity, show of free oil on cup, light odor, 38 units hotwire.

Drill Stem Tests

Trilobite Testing, Inc.
"Brandon Turley"

DST #1 Mississippian Osage

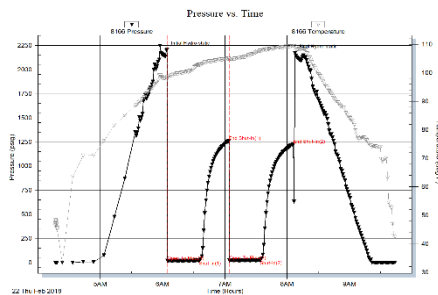
Interval (4331' – 4417') Anchor Length 86'
 IHP – 2184 #
 IFP – 30" – Built to 1 ¼ in. 20-24 #
 ISI – 30" – Dead 400 #
 FFP – 20" – Dead 23-25 #
 FHP – 2150 #
 BHT – 105°F



Recovery: 10' Mud

DST #2 Mississippian Osage

Interval (4417' – 4427') Anchor Length 10'
 IHP – 2205 #
 IFP – 30" – Built to 1 in. 18-21 #
 ISI – 30" – Dead 1264 #
 FFP – 30" – Built to ¼ in. 21-23 #
 FSI – 30" – Dead 1230 #
 FHP – 2170 #
 BHT – 109°F



Recovery: 15' WCM 5% Water

Structural Comparison

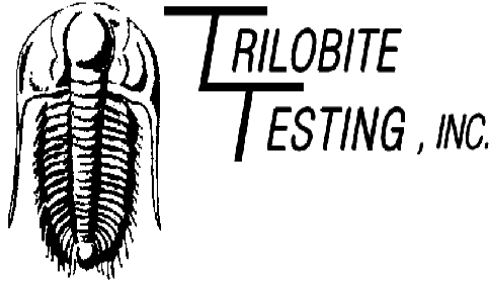
	American Warrior, Inc. HCH #1-22 Sec. 22 T20s R22w 1160' FNL & 2015' FEL	Mack Oil Co. Cox #1 Sec. 22 T20s R22w C NW NE		American Warrior, Inc. Brad #1-23 Sec. 23 T20s R22w 2200' FSL & 1525' FWL	
Formation					
Anhydrite	1474' +777	1477' +776	(+1)	1462' +779	(-2)
Base	1511' +740	NA	NA	1499' +742	(-2)
Heebner	3724' -1473	3728' -1475	(+2)	3725' -1484	(+11)
Lansing	3773' -1522	3776' -1523	(+1)	3773' -1532	(+10)
BKC	4093' -1842	4095' -1842	FL	4094' -1853	(+11)
Pawnee	4212' -1961	4214' -1961	FL	4206' -1965	(+4)
Fort Scott	4285' -2034	4290' -2037	(+3)	4284' -2043	(+9)
Cherokee	4310' -2059	4316' -2063	(+4)	4308' -2067	(+8)
Mississippian	4386' -2135	4393' -2140	(+5)	4377' -2136	(+1)
Osage	4411' -2160	4425' -2172	(+12)	4389' -2148	(-12)

Summary

The location for the HCH #1-22 was found via 3-D seismic survey. The new well ran structurally as expected via the survey. Two Drill Stem Tests were conducted, both were negative. After all gathered data had been examined the decision was made to plug and abandon the HCH #1-22 well.

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason T Alm

HCH #1-22

22-20s-22w Ness, KS

Start Date: 2018.02.21 @ 16:18:37

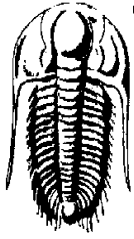
End Date: 2018.02.21 @ 21:52:37

Job Ticket #: 64302 DST #: 1

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

Printed: 2018.02.23 @ 10:19:06

American Warrior Inc
22-20s-22w Ness, KS
HCH #1-22
DST # 1
Miss
2018.02.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

22-20s-22w Ness, KS

HCH #1-22

Job Ticket: 64302

DST#: 1

Test Start: 2018.02.21 @ 16:18:37

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:26:07
 Time Test Ended: 21:52:37
 Interval: **4331.00 ft (KB) To 4417.00 ft (KB) (TVD)**
 Total Depth: 4417.00 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: 2251.00 ft (KB)
 2243.00 ft (CF)
 KB to GR/CF: 8.00 ft

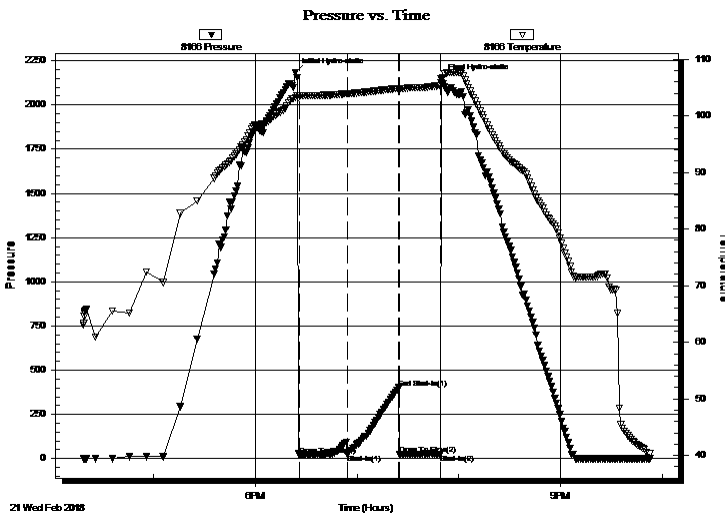
Serial #: 8166

Outside

Press@RunDepth: 24.46 psig @ 4332.00 ft (KB)
 Start Date: 2018.02.21 End Date: 2018.02.21
 Start Time: 16:18:42 End Time: 21:52:36
 Capacity: 8000.00 psig
 Last Calib.: 2018.02.21
 Time On Btm: 2018.02.21 @ 18:23:37
 Time Off Btm: 2018.02.21 @ 19:49:37

TEST COMMENT: IF: 1/4" blow built to 1 1/4"
 IS: No return.
 FF: No blow.
 FS: Pulled tool.

PRESSURE SUMMARY



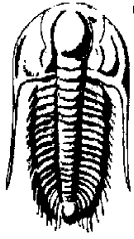
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.74	103.21	Initial Hydro-static
3	20.36	103.52	Open To Flow (1)
31	24.46	103.90	Shut-In(1)
61	400.75	104.87	End Shut-In(1)
62	23.91	104.68	Open To Flow (2)
86	25.00	105.37	Shut-In(2)
86	2149.54	105.92	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

22-20s-22w Ness, KS
HCH #1-22
Job Ticket: 64302 **DST#: 1**
Test Start: 2018.02.21 @ 16:18:37

Tool Information

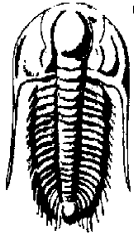
Drill Pipe:	Length: 4281.00 ft	Diameter: 3.80 inches	Volume: 60.05 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 95000.00 lb
		Total Volume: 60.20 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4331.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	113.00 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			4305.00	
Shut In Tool	5.00			4310.00	
Hydraulic tool	5.00			4315.00	
Jars	5.00			4320.00	
Safety Joint	2.00			4322.00	
Packer	5.00			4327.00	27.00 Bottom Of Top Packer
Packer	4.00			4331.00	
Stubb	1.00			4332.00	
Recorder	0.00	6651	Inside	4332.00	
Recorder	0.00	8166	Outside	4332.00	
Perforations	15.00			4347.00	
Change Over Sub	1.00			4348.00	
Drill Pipe	63.00			4411.00	
Change Over Sub	1.00			4412.00	
Bullnose	5.00			4417.00	86.00 Bottom Packers & Anchor

Total Tool Length: 113.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-20s-22w Ness, KS
HCH #1-22
Job Ticket: 64302 **DST#: 1**
Test Start: 2018.02.21 @ 16:18:37

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: 1.00 inches			

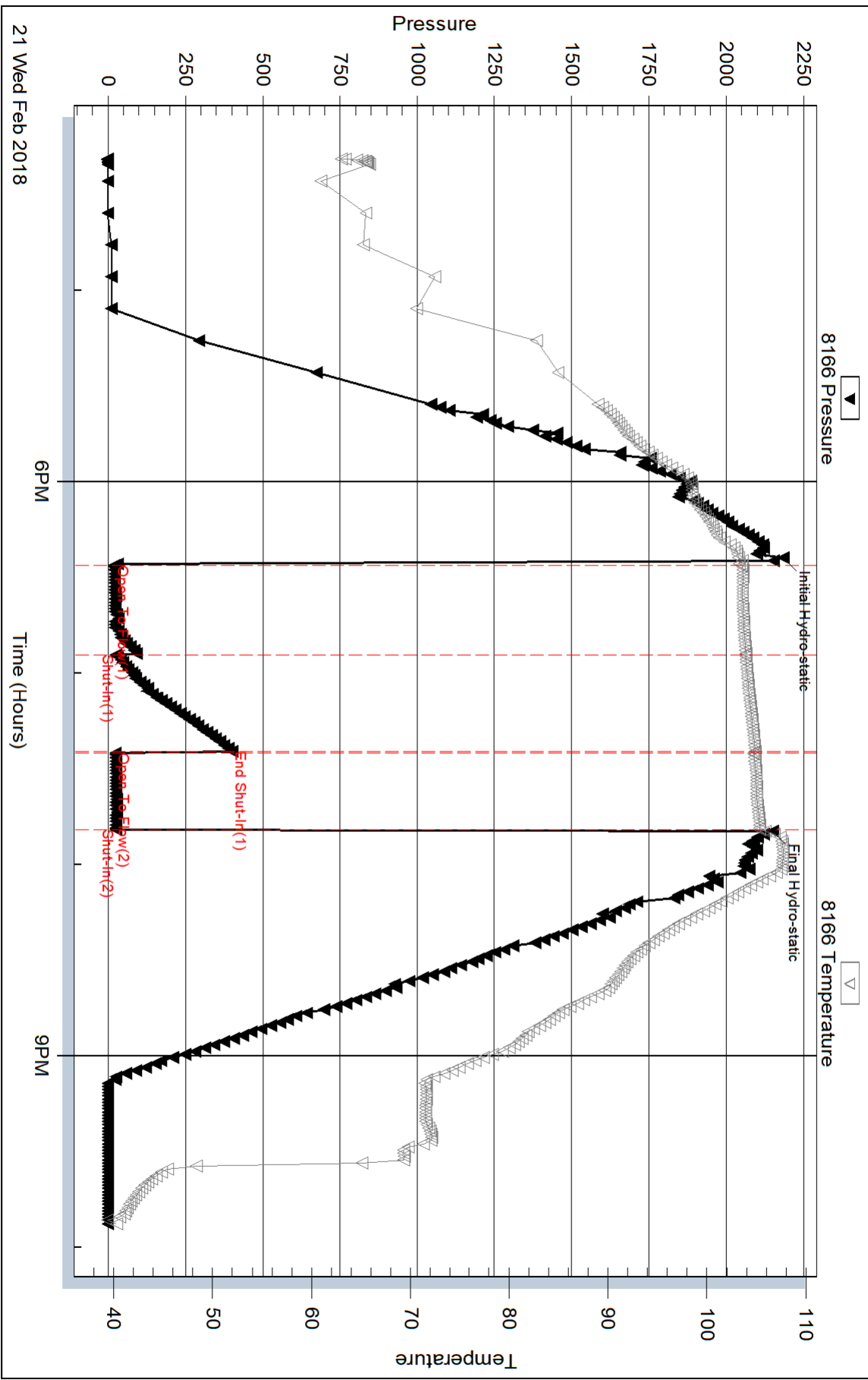
Recovery Information

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:

Pressure vs. Time



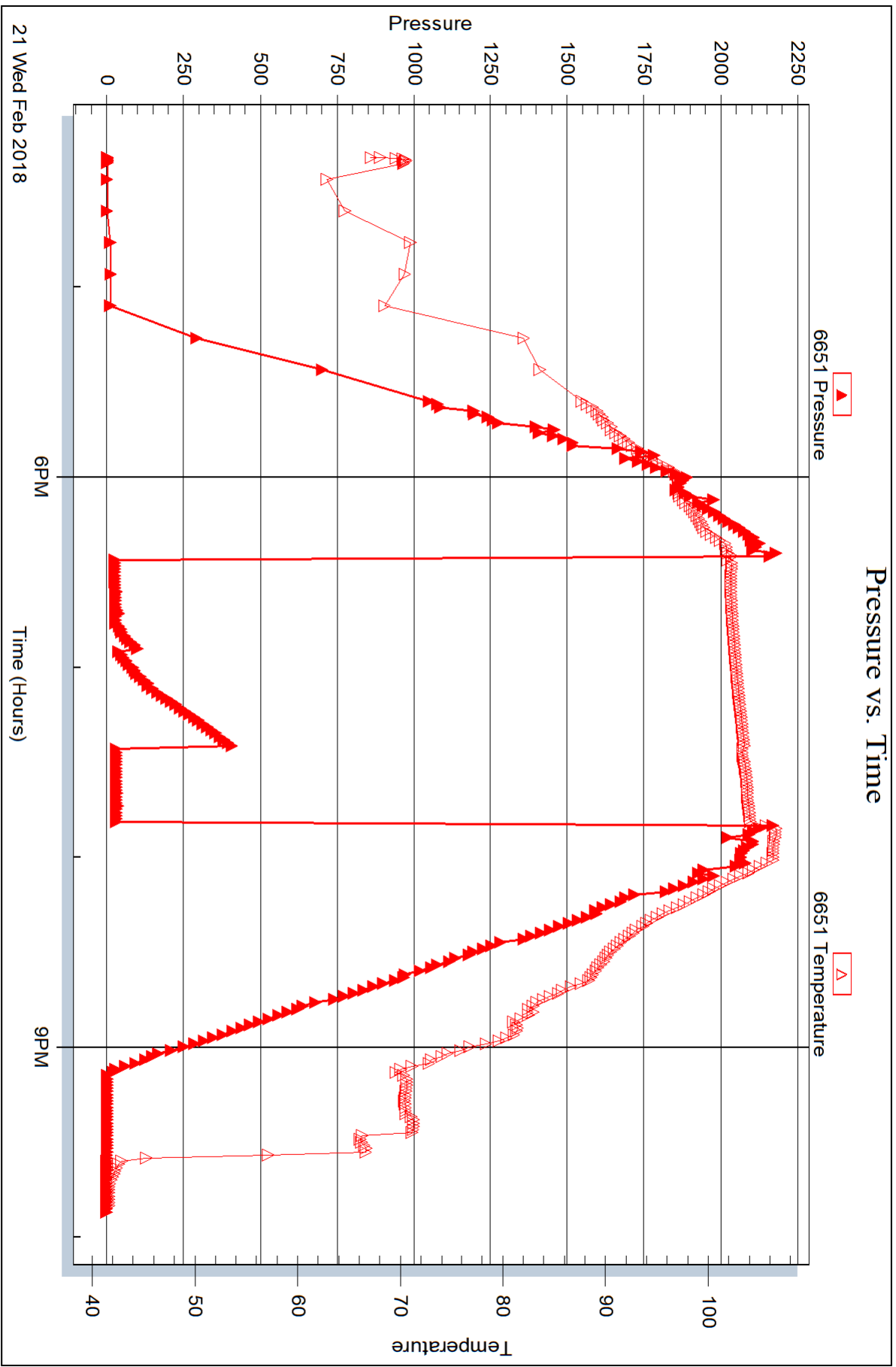
Serial #: 6651

Inside

American Warrior Inc

HCH #1-22

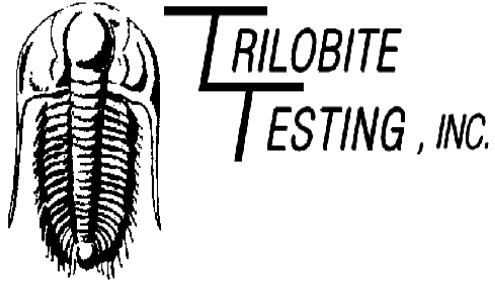
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64302

Printed: 2018.02.23 @ 10:19:07



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason T Alm

HCH #1-22

22-20s-22w Ness, KS

Start Date: 2018.02.22 @ 04:16:33

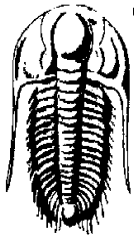
End Date: 2018.02.22 @ 09:44:03

Job Ticket #: 64303 DST #: 2

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

Printed: 2018.02.23 @ 10:18:34

American Warrior Inc
22-20s-22w Ness, KS
HCH #1-22
DST # 2
Miss
2018.02.22



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

22-20s-22w Ness, KS
HCH #1-22
 Job Ticket: 64303 **DST#: 2**
 Test Start: 2018.02.22 @ 04:16:33

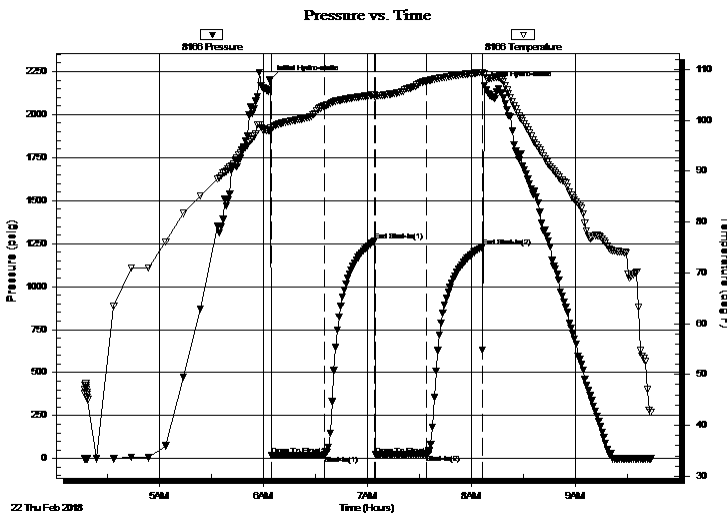
GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:04:33
 Time Test Ended: 09:44:03
 Interval: **4417.00 ft (KB) To 4427.00 ft (KB) (TVD)**
 Total Depth: 4427.00 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: 2251.00 ft (KB)
 2243.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 23.33 psig @ 4418.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.02.22 End Date: 2018.02.22 Last Calib.: 2018.02.22
 Start Time: 04:16:38 End Time: 09:44:02 Time On Btm: 2018.02.22 @ 06:04:03
 Time Off Btm: 2018.02.22 @ 08:07:33

TEST COMMENT: IF: Surface blow built to 1"
 IS: No return.
 FF: Surface blow built to 1/4"
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.51	98.48	Initial Hydro-static
1	18.20	98.09	Open To Flow (1)
31	20.63	102.83	Shut-In(1)
60	1264.01	105.07	End Shut-In(1)
61	21.08	104.41	Open To Flow (2)
90	23.33	107.77	Shut-In(2)
122	1230.09	109.42	End Shut-In(2)
124	2170.10	109.08	Final Hydro-static

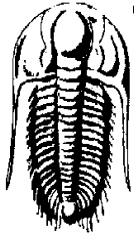
Recovery

Length (ft)	Description	Volume (bbl)
15.00	wcm 5%w 95%m	0.07

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 T Alm

22-20s-22w Ness, KS
HCH #1-22
Job Ticket: 64303 **DST#: 2**
Test Start: 2018.02.22 @ 04:16:33

Tool Information

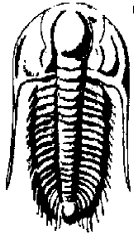
Drill Pipe:	Length: 4376.00 ft	Diameter: 3.80 inches	Volume: 61.38 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 61.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4417.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	37.00 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			4391.00	
Shut In Tool	5.00			4396.00	
Hydraulic tool	5.00			4401.00	
Jars	5.00			4406.00	
Safety Joint	2.00			4408.00	
Packer	5.00			4413.00	27.00 Bottom Of Top Packer
Packer	4.00			4417.00	
Stubb	1.00			4418.00	
Recorder	0.00	6651	Inside	4418.00	
Recorder	0.00	8166	Outside	4418.00	
Perforations	4.00			4422.00	
Bullnose	5.00			4427.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-20s-22w Ness, KS
HCH #1-22
Job Ticket: 64303 **DST#: 2**
Test Start: 2018.02.22 @ 04:16:33

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8200.00 ppm			
Filter Cake: 1.00 inches			

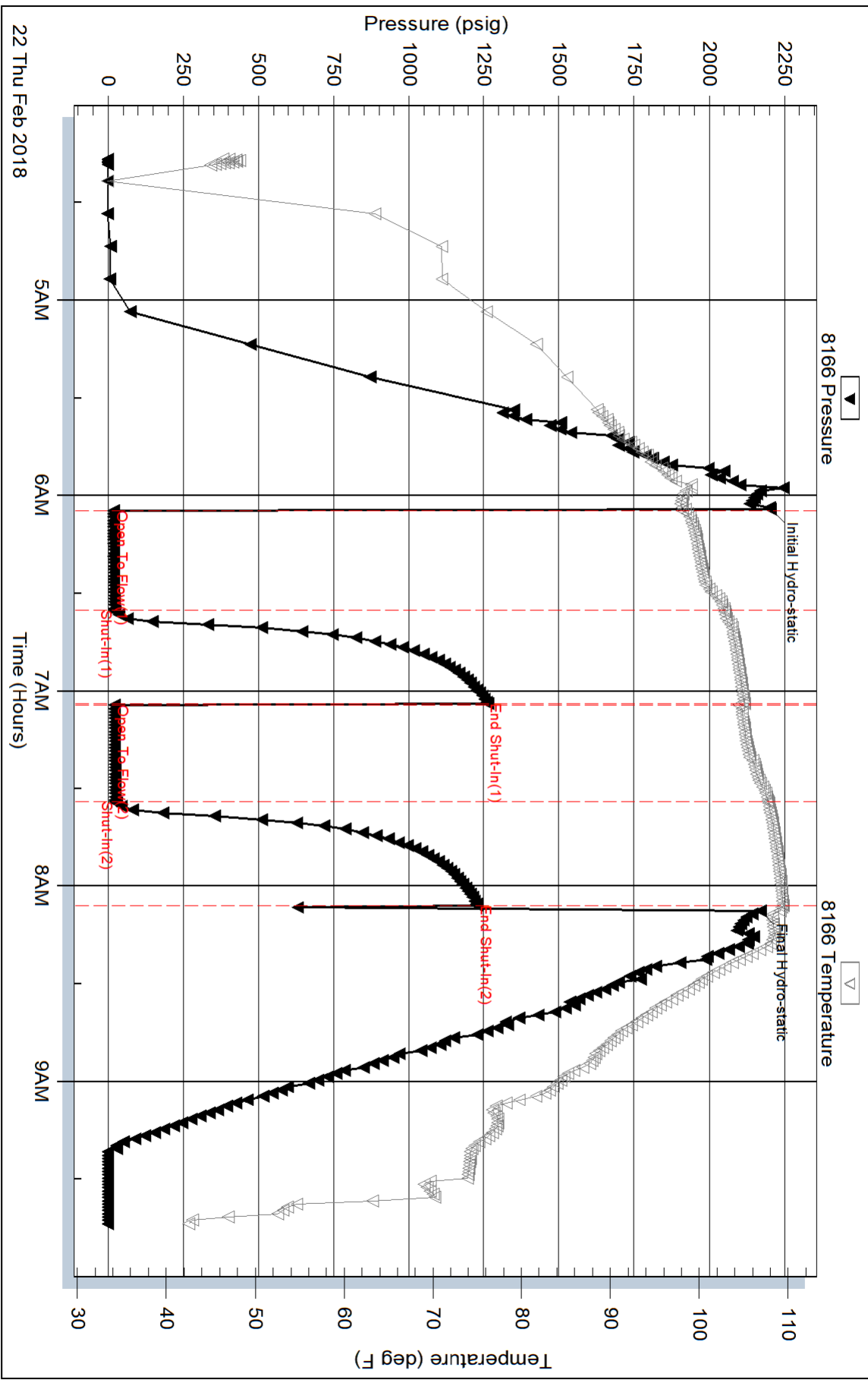
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	w cm 5%w 95%m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



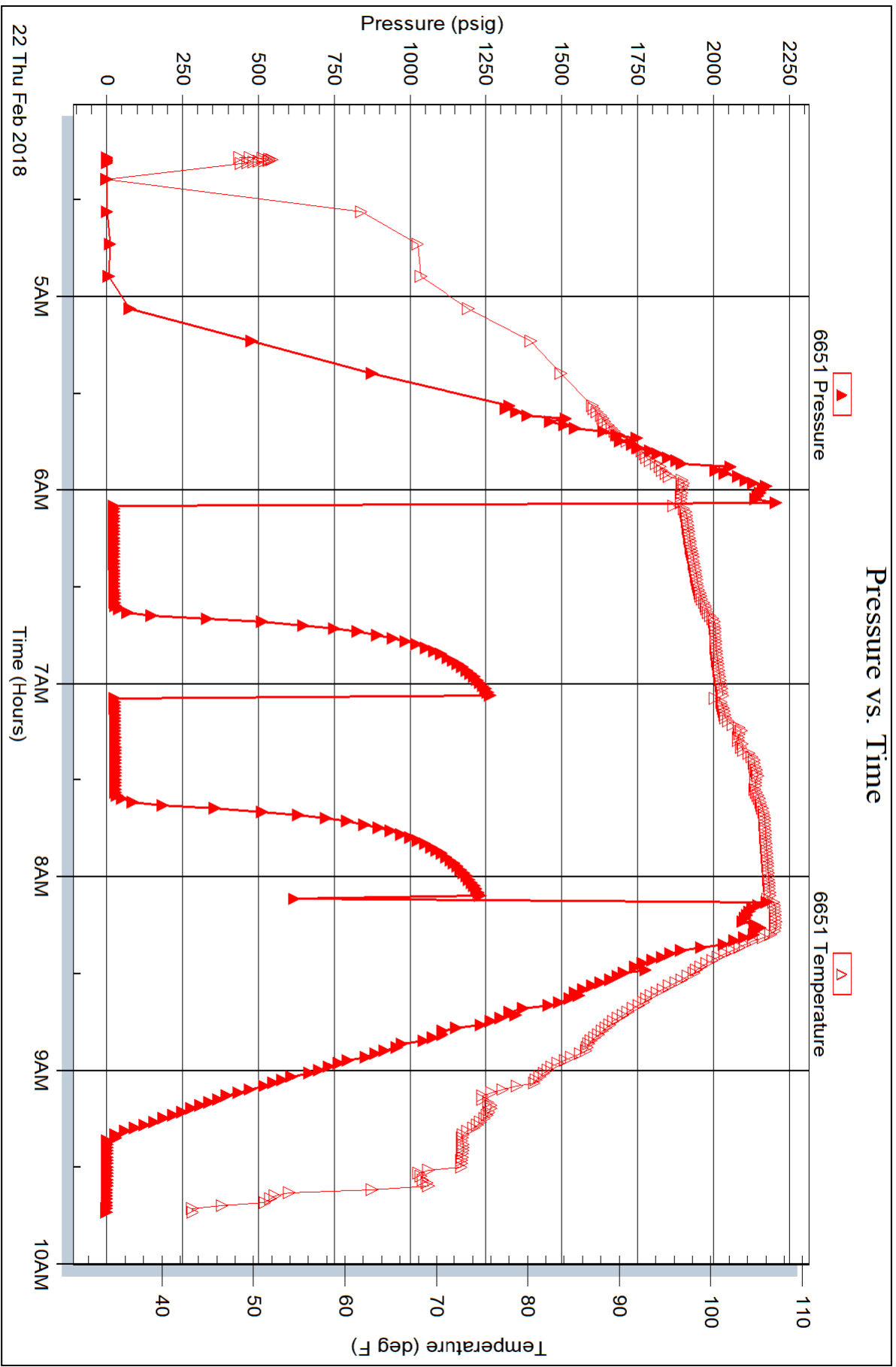
Serial #: 6651

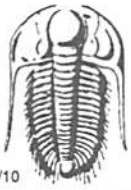
Inside

American Warrior Inc

HCH #1-22

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64302**

Well Name & No. HCH #1-22 Test No. 1 Date 2-21-18
 Company American Warrior Inc Elevation 2251 KB 2243 GL
 Address P.O. Box 399 Garden city, KS 67846
 Co. Rep / Geo. Jason T Alm Rig Discovery #4
 Location: Sec. 22 Twp. 20 S Rge. 22 W Co. Neos State KS

Interval Tested 4331 4417 Zone Tested MISS
 Anchor Length 86 Drill Pipe Run 4281 Mud Wt. 9.2
 Top Packer Depth 4326 Drill Collars Run 31 Vis 62
 Bottom Packer Depth 4331 Wt. Pipe Run WL 8.0
 Total Depth 4417 Chlorides 8200 ppm System LCM 1
 Blow Description IF: 1/4 blow built to 1 1/4,
IS: NO return,
FF: NO blow,
FS: Pulled tool,

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 105 Gravity API RW @ °F Chlorides ppm

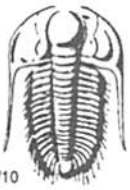
(A) Initial Hydrostatic 2183 Test 1150 T-On Location 15:00
 (B) First Initial Flow 20 Jars 250 T-Started 16:18
 (C) First Final Flow 24 Safety Joint 75 T-Open 18:25
 (D) Initial Shut-In 400 Circ Sub NIC T-Pulled 19:45
 (E) Second Initial Flow 23 Hourly Standby T-Out 21:53
 (F) Second Final Flow 25 Mileage 154 - 130rt 130
 (G) Final Shut-In Sampler
 (H) Final Hydrostatic 2149 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1605

Initial Open 30
 Initial Shut-In 30
 Final Flow 20
 Final Shut-In Pull

Comments
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1605
 MP/DST Disc't

Approved By [Signature] 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **64303**

Well Name & No. HCH 1-22 Test No. 2 Date 2-22-18
 Company American warrior inc Elevation 2251 KB 2243 GL
 Address _____
 Co. Rep / Geo. Jason T Alm Rig Discovery #4
 Location: Sec. 22 Twp. 20^s Rge. 22^w Co. Ness State KS

Interval Tested 4417 4427 Zone Tested MISS
 Anchor Length 10 Drill Pipe Run 4376 Mud Wt. 9.2
 Top Packer Depth 4412 Drill Collars Run 31 Vis 62
 Bottom Packer Depth 4417 Wt. Pipe Run _____ WL 8.0
 Total Depth 4427 Chlorides 8200 ppm System LCM 1
 Blow Description IF: Surface blow built to 1.
IS: No return.
FF: Surface blow built to 1/4.
FS:

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>WCM</u>		<u>5</u>	<u>95</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 109 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2204</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>4:10</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>4:16</u>
(C) First Final Flow <u>20</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:04</u>
(D) Initial Shut-In <u>1264</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>8:04</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:45</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>154</u> - 130	Comments _____
(G) Final Shut-In <u>1230</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2170</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>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1605</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1605</u>	

Approved By [Signature] 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.



CHARGE TO: Accounting
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET : 200
 PAGE 1 OF 1

SERVICE LOCATIONS: 1. Address City, KS
 WELL/PROJECT NO.: 1-2-25
 LEASE: HCH
 COUNTY/PARISH: Wichita
 STATE: KS
 CITY: Beattie
 DATE: 2-15-15
 OWNER: Stone
 RIG NAME NO.: 44
 SHIPPED VIA: CT
 DELIVERED TO: Local
 ORDER NO.:
 WELL PERMIT NO.:
 WELL LOCATION: Beattie - 16.5 2 1/2 1/2
 WELL TYPE: SERVICE SALES
 CONTRACTOR: D. Security Drilling
 WELL CATEGORY: D. Drilling
 JOB PURPOSE: General 8 3/4" Spore
 REFERRAL LOCATION: Invoice Instructions

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOG ACCT DF	DESCRIPTION	QTY. U/M		QTY. U/M		UNIT PRICE	AMOUNT
575			MILEAGE			25	mi	5.00	125.00
576.5			Pump Charge - Shallow Surface			1	gals	875.00	875.00
325			Standard Cement			150	bags	13.00	1950.00
278			Calcium Chloride			7	lbs	40.00	280.00
279			Benhydrate Gel			2	gals	30.00	90.00
210			D-Air			2	gals	42.00	84.00
581			Service Charge Cement					1.75	212.50
582			Minimum Discharge Charge					251.15	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.

X Signature

DATE SIGNED: 2-15-15 TIME SIGNED: 2:15 A.M. P.M.

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

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

SWIFT OPERATOR: D. Security APPROVAL: _____

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

TOTAL: 3416.50

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2-15-18	PAGE NO. 1
TICKET NO. 31231	

CUSTOMER American Warrior	WELL NO. #1-22	LEASE HCH	JOB TYPE Surface Pipe
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1945							on location 8 9/8" 23"
								RTD- 210 TP-210
	2000							Start 8 9/8" 23" casing in well
	2035							Break Circulation
	2040	4 1/2	5		✓	100		Pump 5Hd water spacer
	2045	4 1/2	36		✓	100		mix 150 sls STD 2% Gel 3% CC @ 14.7 gpm
	2055	4 1/2	0		✓	100		Start Displacement
		4 1/2	8		✓	100		circulate Cement to Surface - * 20 min *
	2100	4 1/2	13		✓	200		Kick out Pump * Shut in *
								Release Pressure * Valve Hold *
								wash up truck
	2130							Job Complete
								Thank You Dave Preston Kirby



TICKET 51244

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

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Address City, 115</u>	WELL/PROJECT NO. # 1-22	LEASE HCH	COUNTY/PARISH W. Cross	STATE KS	CITY Bazine	DATE 2-22-18	OWNER Service
	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Discount Drilling</u>	RIG NAME/NO. # 41	SHIPPED WCT	DELIVERED TO <u>Location</u>	ORDER NO.	
	WELL TYPE <u>01</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE PTA	WELL PERMIT NO.		WELL LOCATION <u>Bar 2 sec-10, 20, 20, 20</u>	
REFERRAL LOCATION INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE			25	mi	\$12.00	125.00
571. P				Pump Change - PTA			1	gals	875.00	875.00
328-41				60/410 Pumps (47% Gel)			250	gals	10.00	2150.00
276				Fleecle			1/4	1 lb	2.150	187.50
240				D.A.C			3	gals	42.00	126.00
410				Tap Plug			8 3/8	in	130.00	130.00
581				Service Charge Cement			250	gals	1.75	437.50
582				Minimum Drillage Charge			1	ea	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.
 X [Signature]
 DATE SIGNED 2-22-18 TIME SIGNED 11:30 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UNDECEDED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DISAGREE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTOMER DID NOT WISH TO RESPOND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

JOB LOG

SWIFT Services, Inc.

DATE 2-22-18	PAGE NO. 1
TICKET NO. 31244	

CUSTOMER American Warrior		WELL NO. 1-22		LEASE HCH		JOB TYPE PTA		DESCRIPTION OF OPERATION AND MATERIALS	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)			
				T	C	TUBING	CASING		
	1430								on location
									RTD - 4427' DP - 1500'
	1515	4 1/2	13	✓		100			mix 50 slts @ 1500'
		4 1/2	18	✓		100			Displace Cement
	1555	4 1/2	21	✓		100			mix 80 slts @ 660'
		4 1/2	4	✓		100			Displace Cement
	1615	4 1/2	13	✓		100			mix 50 slts @ 240'
		4 1/2	1 1/2	✓		100			Displace Cement
	1730	4 1/2	5	✓		∅			mix 20 slts @ 60'
	1740		8						Plug RH - 30 slts
	1750		5						Plug MH - 20 slts
	1800								Well Plugged w/ 250 slts 60/40 4%
									wash up truck
	1830								Job Complete

Thank You
Dave Preston Kirby