

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1372723 OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

1372723



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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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)*

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>			PRODUCTION INTERVAL: Top _____ Bottom _____	

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:
----------------	-------	---------	------------

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	LN 2-18
Doc ID	1372723

Tops

Name	Top	Datum
Anhydrite	1495	776
Heebner	3737	-1466
Lansing	3782	-1511
Base Kansas City	4083	-1812
Pawnee	4194	-1923
Ft. Scott	4270	-1999
Cherokee	4289	-2018
Mississippian	4364	-2093
LTD	4393	-2122



Services, Inc.

CHARGE TO: American Lubricants Inc.

ADDRESS

CITY, STATE, ZIP CODE

TICKET 30100

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. 1255 City, KS	# 2-18	LN	Jess	KS	Bazine	9-6-17	Swire
2. "	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
	Drilling	Discovery	04	CT	Location		
3. "	WELL TYPE	WELL CATEGORY	JOB PURPOSE		WELL PERMIT NO.	WELL LOCATION	
	Oil	Development	General 8 3/4" Surface Pipe			Razine - 35 Yd E Sink	
4. "	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.			UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		QTY.	UM	QTY.			UM
575					MILEAGE			20	mi.	5.00	100.00
576.5					Pump Charge - Shallow Surface			1	job	800.00	800.00
325					Standard Cement			150	slks	12.25	1837.50
278					Calcium Chloride			3	slks	40.00	280.00
279					Benbark Gel			2	slks	25.00	75.00
290					D-Air			2	gal	42.00	84.00
0581					Service Charge Cement			150	slks	1.50	225.00
0582					Drayage (m)			1	hr	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 9-6-17 TIME SIGNED 11:00

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	3451	50
TAX		
TOTAL		

SWIFT OPERATOR *David Kushin* 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 9-6-17 PAGE NO. 1

CUSTOMER American Water Inc. WELL NO. # 2-18 LEASE LW JOB TYPE Shallow Surface TICKET NO. # 30759

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1430							on location 8 5/8" 24"
								RTD- 221 TP- 220
	1515							Start 8 5/8" 24" casing in well
	1535							Break Circulation
	1540	4	5			200		Pump 5 bbl water spacer
	1545	4 1/2	36			100		mix 150 sks 2% Gel 3% cc @ 14.7 ppq
	1555	4 1/2	0			100		Displace Cement
		4 1/2	11			150		circulate cement to surface * 15 sks *
	1600	4 1/2	13			200		Kick out Pump Shut in Release Pressure * Valve Hold *
								wash up trucks
	1630							Job Complete
								Thank You Dave Preston Russ



Services, Inc.

CHARGE TO: American Leasing, Inc.
ADDRESS
CITY, STATE, ZIP CODE

TICKET 2000

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTRY/PARISH	STATE	CITY	DATE	OWNER
1. Jackson, C. by KS	# 2-18	L.N.	Louisiana	KS	Beakins	9-13-17	Sanner
2.	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED	DELIVERED TO	ORDER NO.	
	SALES	Discovery Drilling	# 4	W.A.T.	Local Union		
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
	O.I.	Drilling	PTA		R. 2, sec. 35, 1/2 E. Section		
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE			20	mi.	5.00	100.00
571-D					Pump Charge - PTA			1	hr.	800.00	800.00
328-4					60/40 Pozomix (4% seal)			250	lbs	10.25	2562.50
776					Flood			1/4	lb	2.25	112.50
290					D.A.C.			3	gal	42.00	126.00
581					Service Charge (event)			250	hrs	1.50	375.00
582					Maintenance Drilling Charge			1	hr	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 *David Bucher*

DATE SIGNED 9-13-17 TIME SIGNED 16:30

A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	4326
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				TAX	
WE UNDERSTOOD AND MET YOUR NEEDS?				TOTAL	
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					

SWIFT OPERATOR *David Bucher* 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 9-13-17 PAGE NO. 1

CUSTOMER American Whippers WELL NO. # 2-18 LEASE LU JOB TYPE PTA TICKET NO. # 30764

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							on location 4 1/2" DP x 7 7/8" Hole
								RTD- 4392 LTD- 4393 250 sks 60/40 4% Gel 1/4" Flo
	1330	4 1/2	13	✓		200		mix 50 sks 60/40 @ 1530'
		4 1/2	18	✓		100		Displace Cement
	1420	4 1/2	21	✓		100		mix 80 sks 60/40 @ 730'
		4 1/2	5	✓		100		Displace Cement
	1440	4 1/2	13	✓		100		mix 50 sks 60/40 @ 250'
		4 1/2	1/2	✓		100		Displace Cement
	1550	4 1/2	5	✓		∅		mix 20 sks 60/40 @ 60'
	1615	3	8	✓		∅		Plug RH - 30 sks
	1620	3	5	✓		∅		Plug MH - 20 sks
	1630							well. Plugged 250 sks 60/40 4% 1/4"
								wash up truck
	1700							Job Complete

Thank You
Dave Preston Isaac

Geological Report

LN #2-18

2140' FNL & 2310' FEL

Sec. 18 T19s R21w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
LN #2-18
2140' FNL & 2310' FEL
Sec. 18 T19s R21w
Ness County, Kansas
API # 15-135-25968-0000

Drilling Contractor: Discovery Drilling Co., Inc. Rig #4

Geologist: Jason T Alm

Spud Date: September 6, 2017

Completion Date: September 13, 2017

Elevation: 2263' Ground Level
2271' Kelly Bushing

Directions: Bazine KS, Intersection of Austin St. and Hwy 96,
South 3 mi. to 100 Rd. East 1/2 mi. South into
location.

Casing: 220' 8 5/8" surface casing

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

Drilling Time: 3700' to RTD

Electric Logs: Pioneer Energy Services "Dan Schmidt"
CNL/CDL, DIL

Drillstem Tests: Four, Trilobite Testing, Inc. "Ken Swinney"

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc.
	LN #2-18
	Sec. 18 T19s R21w
Formation	2140' FNL & 2310' FEL
Anhydrite	1495' +776
Base	1530' +741
Heebner	3737' -1466
Lansing	3782' -1511
BKC	4083' -1812
Pawnee	4194' -1923
Fort Scott	4270' -1999
Cherokee	4289' -2018
Mississippian	4364' -2193
Osage	4372' -2101
LTD	4393' -2122
RTD	4392' -2121

Sample Zone Descriptions

Cherokee Sand (4293', -2022): Covered in DST #1
 Ss – Quartz, slightly frosted, fine to medium grained, poorly sorted, fairly rounded, fairly cemented with poor to fair visible inter-granular porosity in cluster, light spotted oil stain with very slight show of free oil, very light odor, fair cut fluorescents, many loose grains, heavily pyritic, 36 units hotwire.

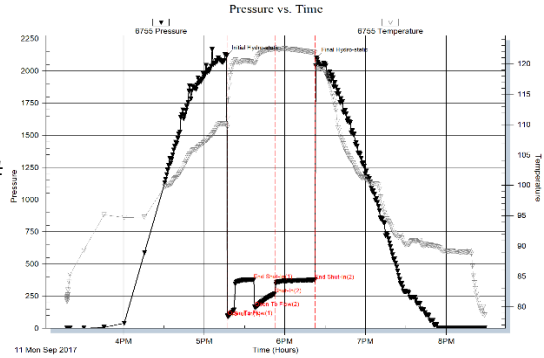
Mississippian Osage (4372', -2101): Covered in DST #2,3,4
 Δ – Dolo – Weathered, mostly triptolic with fair to good vuggy porosity, slightly dolomitic with scattered poor inter-crystalline porosity, light to fair oil stain in porosity, slight show of free oil on cup, light yellow fluorescents.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Ken Swinney"

DST #1 Cherokee "A" Sand

Interval (4285' – 4310') Anchor Length 25'

IHP	– 2118 #	
IFP	– 5" – B.O.B. 4 ½ min.	95-145 #
ISI	– 15" – Dead	380 #
FFP	– 15" – Built to 6 in.	159-272 #
FSI	– 30" – Dead	377 #
FHP	– 2088 #	
BHT	– 121°F	

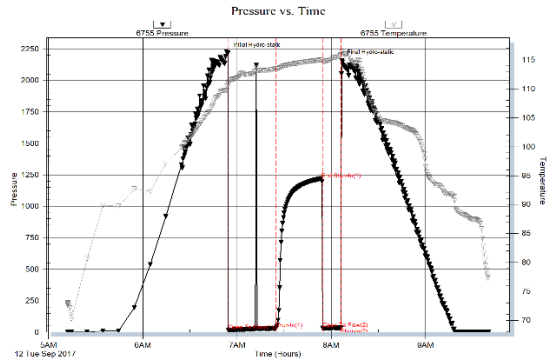


Recovery: 62' GIP
 186' VSOCMW 3% Oil, 57% Water
 372' MW 90% Water

DST #2 Mississippian Osage

Interval (4374' – 4382') Anchor Length 8'

IHP	– 2216 #	
IFP	– 30" – Dead	16-31 #
ISI	– 30" – Dead	1221 #
FFP	– 10" – Dead	32-34 #
FHP	– 2158 #	
BHT	– 116°F	

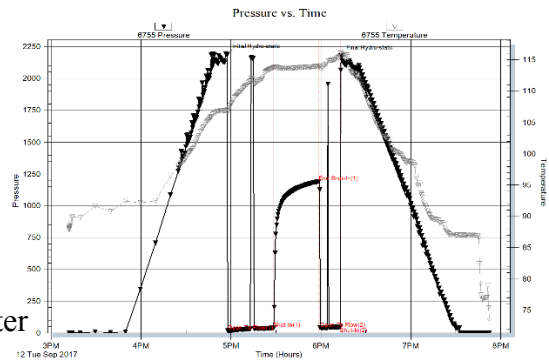


Recovery: 45' Mud w/ oil spots

DST #3 Mississippian Osage

Interval (4375' – 4387') Anchor Length 12'

IHP	– 2186 #	
IFP	– 30" – Dead	17-39 #
ISI	– 30" – Dead	1192 #
FFP	– 10" – Dead	40-47 #
FHP	– 2188 #	
BHT	– 116°F	



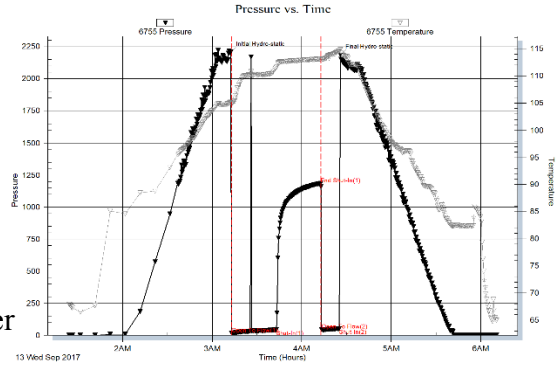
Recovery: 70' WCM w/ oil spots 10% Water

DST #4 Mississippian Osage

Interval (4376' – 4392') Anchor Length 16'

IHP – 2203 #
 IFP – 30" – Dead 17-44 #
 ISI – 30" – Dead 1186 #
 FFP – 10" – Dead 45-53 #
 FHP – 2184 #
 BHT – 114°F

Recovery: 75' WM w/ oil spots 30% Water



Structural Comparison

	American Warrior, Inc. LN #2-18 Sec. 18 T19s R21w 2140' FNL & 2310' FEL	Paloma Oil & Gas Foos #1 Sec. 18 T19s R21w C SW NE 1491' +775		American Warrior, Inc. DeWald #2-18 Sec. 18 T19s R21w 2280' FNL & 2035' FWL	
Formation					
Anhydrite	1495' +776	1491' +775	(+1)	1469' +777	(-1)
Base	1530' +741	NA	NA	1504' +742	(-1)
Heebner	3737' -1466	3728' -1462	(-4)	3712' -1466	FL
Lansing	3782' -1511	3773' -1507	(-4)	3757' -1511	FL
BKC	4083' -1812	4080' -1814	(+2)	NA	NA
Pawnee	4194' -1923	4188' -1922	(-1)	4171' -1925	(+2)
Fort Scott	4270' -1999	4264' -1998	(-1)	4246' -2000	(+1)
Cherokee	4289' -2018	4286' -2020	(+2)	4265' -2019	(+1)
Mississippian	4364' -2193	4363' -2097	(+4)	4334' -2088	(-5)
Osage	4372' -2101	NA	NA	NA	NA

Summary

The location for the LN #2-18 was found via 3-D seismic survey. The new well ran slightly lower structurally than expected via the survey. Four Drill Stem Tests were conducted, all of which were negative. After all gathered data had been examined the decision was made to plug and abandon the LN #2-18 well.

Respectfully Submitted,

Jason T Alm
 Hard Rock Consulting, Inc.



Geologic Report

Drilling Time and Sample Log

Operator **American Warrior, Inc.**

Lease **LN** No. **2-18**

API # **15-135-25968-0000**

Field **DeWald**

Location **2140' FNL & 2310' FEL**

Sec. **18** Twp. **19s** Rge. **21w**

County **Ness** State **Kansas**

Formation	Log Tops	Sample Tops	Struct Comp
Anhydrite Base	1495' +776 1530' +741	1496' +775 1532' +739	+1
Heebner	3737' -1466	3737' -1466	-4
Lansing	3782' -1511	3783' -1512	-4
BKC	4083' -1812	4083' -1812	+2
Pawnee	4194' -1923	4194' -1923	-1
Fort Scott	4270' -1999	4270' -1999	-1
Cherokee	4289' -2018	4288' -2017	+2
Mississippian	4364' -2193	4360' -2189	+4
Osage	4372' -2101	4372' -2101	
Total Depth	4393' -2122	4392' -2121	

Reference Well For Structural Comparison Paloma Oil & Gas Foos #1
C SW NE Sec. 18 T19s R21w Ness County, Kansas

Drilling Contractor **Discovery Drilling Co., Inc.** Rig #4
 Commenced **9-6-2017** Completed **9-13-2017**
 Samples Saved From **3700'** To **RTD**
 Drilling Time Kept From **4000'** To **RTD**
 Samples Examined From **4000'** To **RTD**
 Geological Supervision From **4000'** To **RTD**

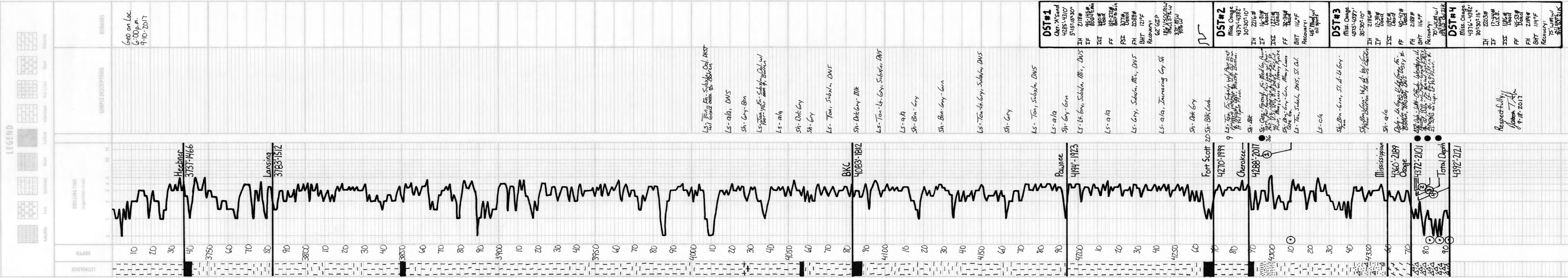
Displacement **3600'** Mud Type **Chemical**

Summary and Recommendations

The location for the LN #2-18 was found via 3-D seismic survey. The new well ran slightly lower structurally than expected via the survey. Four Drill Stem Tests were conducted, all of which were negative. After all gathered data had been examined the decision was made to plug and abandon the LN #2-18 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 Alm

LN #2-18

18-19S-21W Ness,KS

Start Date: 2017.09.11 @ 15:18:00

End Date: 2017.09.11 @ 20:28:17

Job Ticket #: 62638 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.13 @ 13:49:55

American Warrior Inc
18-19S-21W Ness,KS
LN #2-18
DST # 1
Cherokee A Sand
2017.09.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62638 **DST#: 1**
 Test Start: 2017.09.11 @ 15:18:00

GENERAL INFORMATION:

Formation: **Cherokee A Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:17:17
 Time Test Ended: 20:28:17
 Interval: **4285.00 ft (KB) To 4310.00 ft (KB) (TVD)**
 Total Depth: 4310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2271.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 8.00 ft

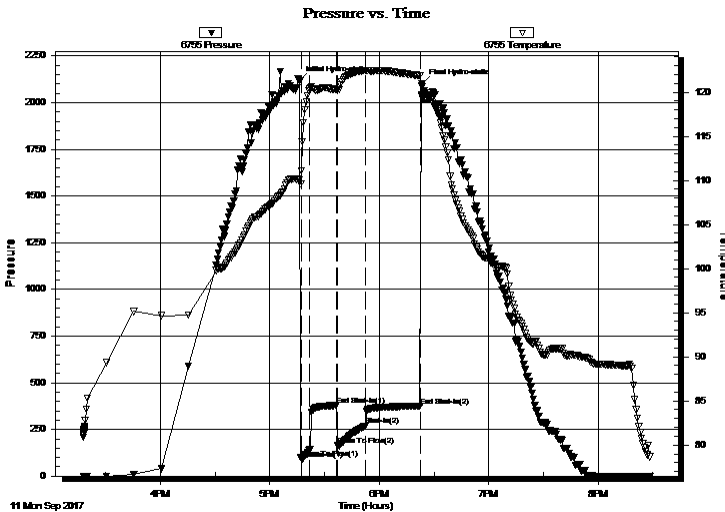
Serial #: 6755

Inside

Press@RunDepth: 269.86 psig @ 4286.00 ft (KB) Capacity: psig
 Start Date: 2017.09.11 End Date: 2017.09.11 Last Calib.: 2017.09.11
 Start Time: 15:18:01 End Time: 20:28:17 Time On Btm: 2017.09.11 @ 17:16:32
 Time Off Btm: 2017.09.11 @ 18:23:32

TEST COMMENT: IFP 5 Minutes BOB in 4 1/2 minutes
 ISI 15 Minutes No blow back
 FFP 15 Minutes Blow built to 6" then died to 3"
 FSI 30 Minutes/ No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2116.83	110.05	Initial Hydro-static
1	94.29	111.05	Open To Flow (1)
6	140.86	120.39	Shut-In(1)
21	378.01	120.24	End Shut-In(1)
21	165.54	120.14	Open To Flow (2)
36	269.86	122.46	Shut-In(2)
66	375.36	121.83	End Shut-In(2)
67	2100.00	119.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	MW Mud 10% Water 90%	4.94
186.00	VSOCM Oil 3% Mud 40% Water 57%	2.61
0.00	62' GIP	0.00

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

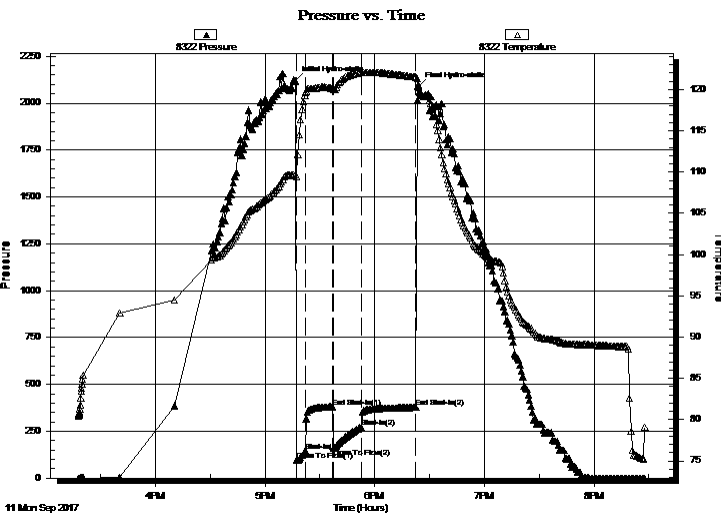
18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62638 **DST#: 1**
 Test Start: 2017.09.11 @ 15:18:00

GENERAL INFORMATION:

Formation: **Cherokee A Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:17:17
 Time Test Ended: 20:28:17
 Interval: **4285.00 ft (KB) To 4310.00 ft (KB) (TVD)**
 Total Depth: 4310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2271.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8322 Outside
 Press@RunDepth: 377.47 psig @ 4287.00 ft (KB) Capacity: psig
 Start Date: 2017.09.11 End Date: 2017.09.11 Last Calib.: 2017.09.11
 Start Time: 15:18:01 End Time: 20:28:17 Time On Btm: 2017.09.11 @ 17:16:32
 Time Off Btm: 2017.09.11 @ 18:23:47

TEST COMMENT: IFP 5 Minutes BOB in 4 1/2 minutes
 ISI 15 Minutes No blow back
 FFP 15 Mintues Blow built to 6" then died to 3"
 FSI 30 Mintues/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2118.21	109.73	Initial Hydro-static
1	95.77	109.48	Open To Flow (1)
6	145.27	119.58	Shut-In(1)
21	380.30	120.11	End Shut-In(1)
21	159.27	120.05	Open To Flow (2)
36	272.10	122.03	Shut-In(2)
66	377.47	121.49	End Shut-In(2)
68	2087.58	120.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	MW Mud 10% Water 90%	4.94
186.00	VSOCM Oil 3% Mud 40% Water 57%	2.61
0.00	62' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62638 **DST#: 1**
Test Start: 2017.09.11 @ 15:18:00

Tool Information

Drill Pipe:	Length: 4248.00 ft	Diameter: 3.80 inches	Volume: 59.59 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume: 59.74 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4285.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut-In Tool	5.00			4263.00	
Hydraulic tool	5.00			4268.00	
Jars	5.00			4273.00	
Safety Joint	2.00			4275.00	
Top Packer	5.00			4280.00	
Packer	5.00			4285.00	27.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	4286.00	
Recorder	1.00	8322	Outside	4287.00	
Anchor	20.00			4307.00	
Bullnose	3.00			4310.00	25.00 Anchor Tool
Total Tool Length:	52.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62638 **DST#: 1**
Test Start: 2017.09.11 @ 15:18:00

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:	26000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
372.00	MW Mud 10% Water 90%	4.945
186.00	VSOCM Oil 3% Mud 40% Water 57%	2.609
0.00	62' GIP	0.000

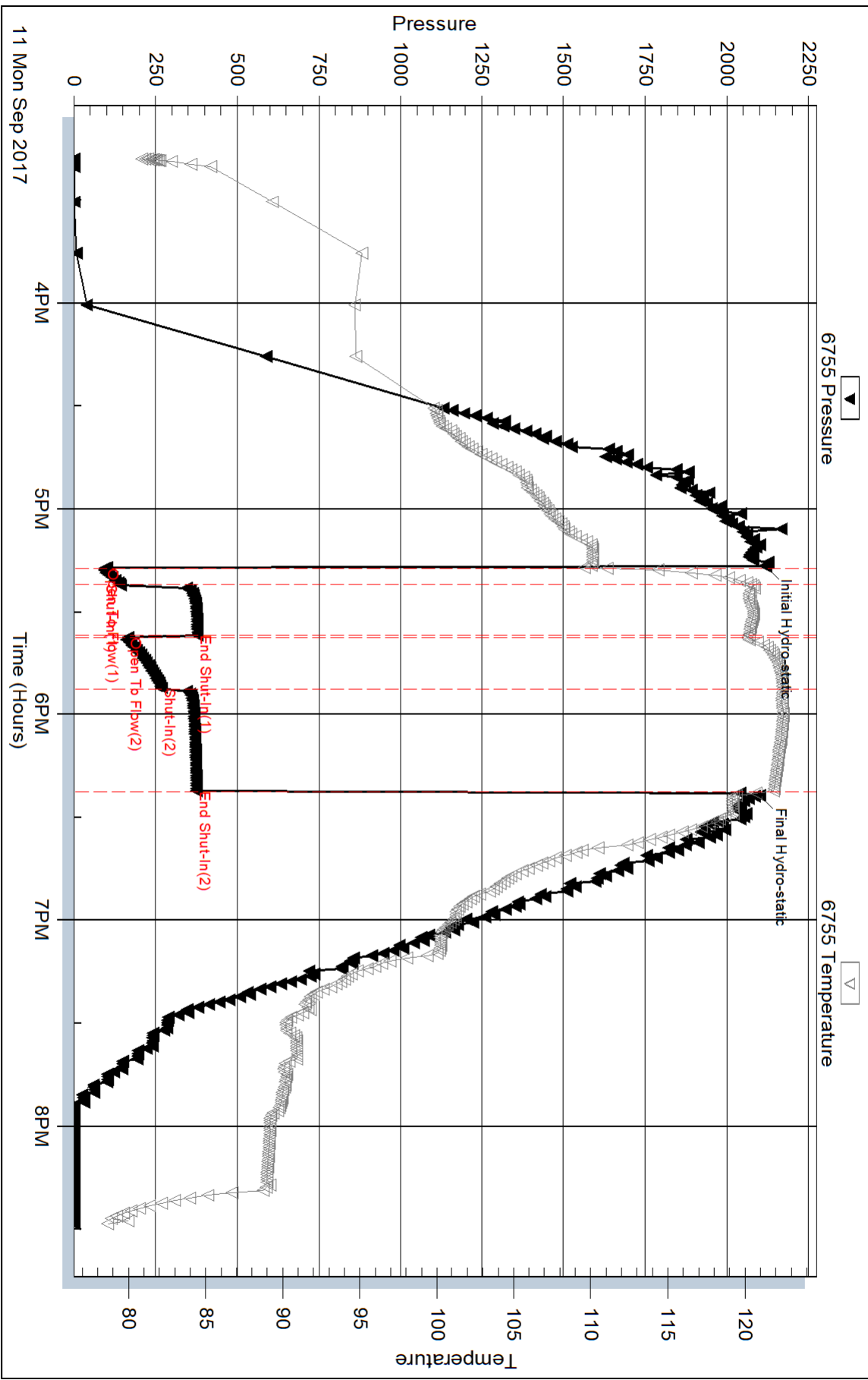
Total Length: 558.00 ft Total Volume: 7.554 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

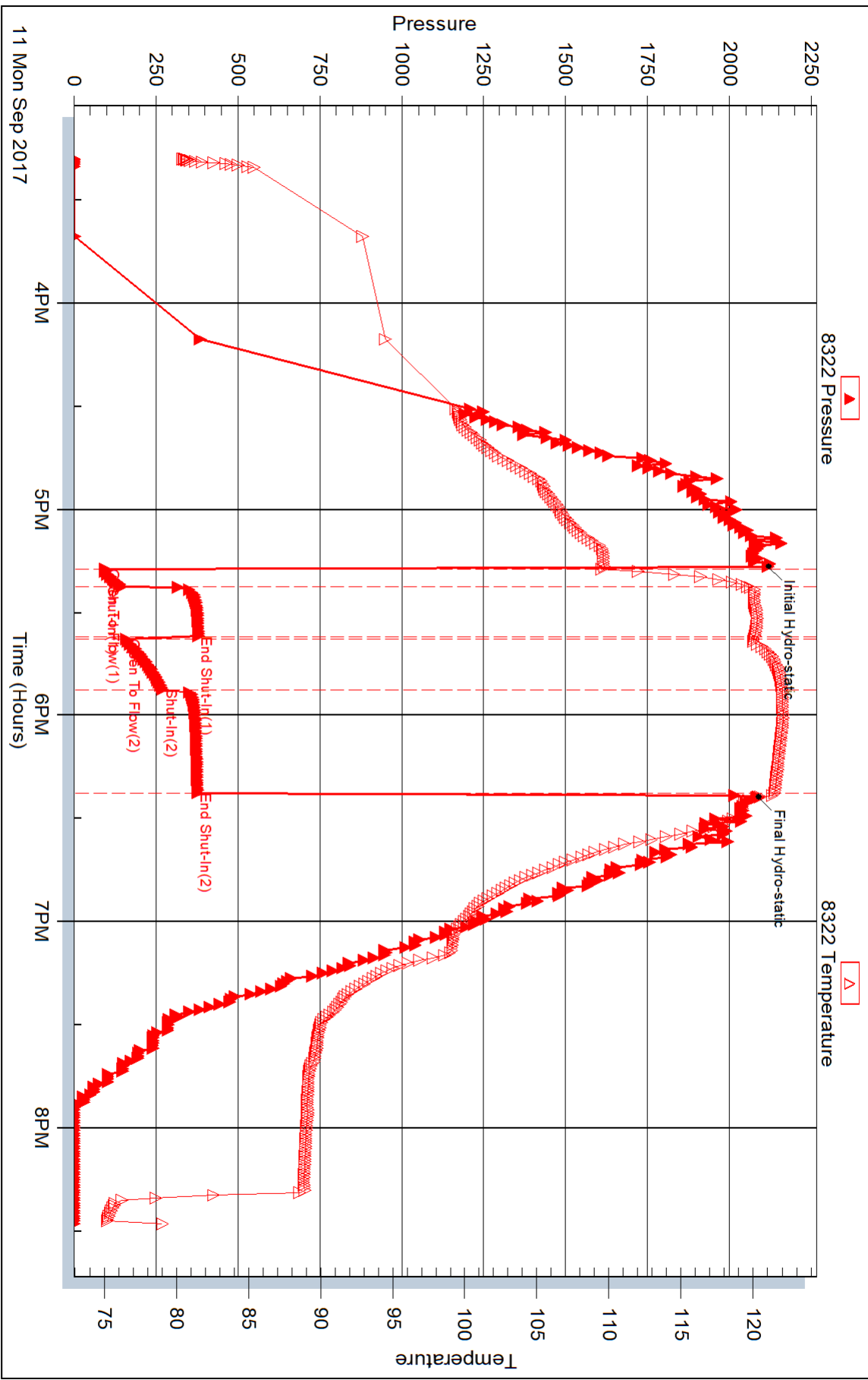
Laboratory Name: Laboratory Location:

Recovery Comments: Recovery Resistivity .230 ohms @ 77 deg.

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

LN #2-18

18-19S-21W Ness,KS

Start Date: 2017.09.12 @ 05:12:00

End Date: 2017.09.12 @ 09:40:17

Job Ticket #: 62639 DST #: 2

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

Printed: 2017.09.13 @ 13:47:31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

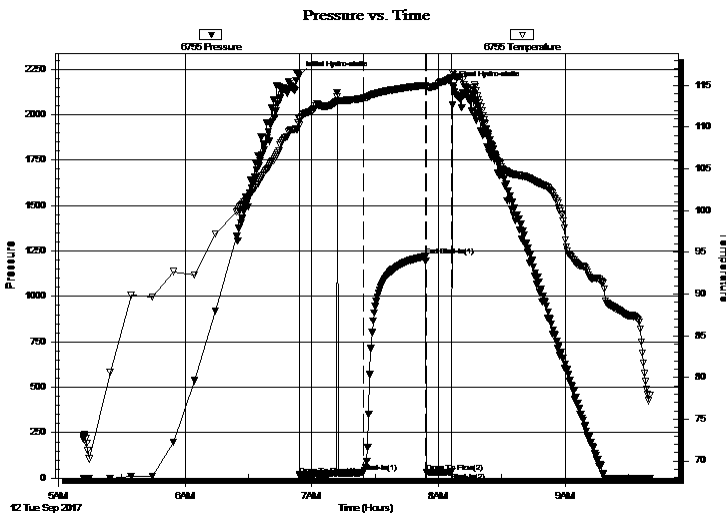
18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62639 **DST#: 2**
 Test Start: 2017.09.12 @ 05:12:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:54:17 Tester: Ken Swinney
 Time Test Ended: 09:40:17 Unit No: 72
 Interval: **4374.00 ft (KB) To 4382.00 ft (KB) (TVD)** Reference Elevations: 2271.00 ft (KB)
 Total Depth: 4382.00 ft (KB) (TVD) 2263.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
 Press@RunDepth: 30.66 psig @ 4375.00 ft (KB) Capacity: psig
 Start Date: 2017.09.12 End Date: 2017.09.12 Last Calib.: 2017.09.12
 Start Time: 05:12:01 End Time: 09:40:17 Time On Btm: 2017.09.12 @ 06:54:02
 Time Off Btm: 2017.09.12 @ 08:06:47

TEST COMMENT: IFP 30 Minutes Light surge at open then dead/ Flush tool light surge then dead
 ISI 30 Minutes No blow back
 FF 10 Minutes Dead no blow - Flush tool light surge then dead - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.21	111.00	Initial Hydro-static
1	16.86	110.20	Open To Flow (1)
31	30.66	113.45	Shut-In(1)
60	1220.69	114.98	End Shut-In(1)
61	32.80	114.75	Open To Flow (2)
72	33.86	115.86	Shut-In(2)
73	2158.15	116.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud w / thin layer oil in pipe Mud 100%	0.36

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

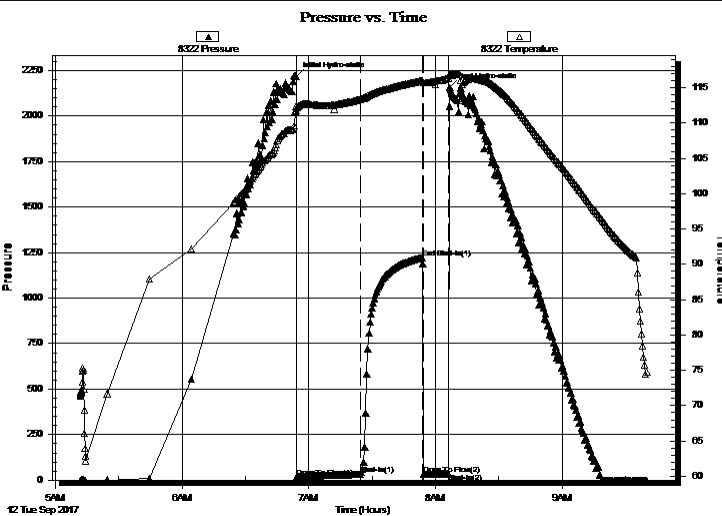
18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62639 **DST#: 2**
Test Start: 2017.09.12 @ 05:12:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:54:17
Time Test Ended: 09:40:17
Interval: 4374.00 ft (KB) To 4382.00 ft (KB) (TVD)
Total Depth: 4382.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Reference Elevations: 2271.00 ft (KB)
2263.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8322 Outside
Press@RunDepth: 1221.77 psig @ 4376.00 ft (KB) Capacity: psig
Start Date: 2017.09.12 End Date: 2017.09.12 Last Calib.: 2017.09.12
Start Time: 05:12:01 End Time: 09:40:17 Time On Btm: 2017.09.12 @ 06:54:02
Time Off Btm: 2017.09.12 @ 08:06:47

TEST COMMENT: IFP 30 Minutes Light surge at open then dead/ Flush tool light surge then dead
ISI 30 Minutes No blow back
FF 10 Minutes Dead no blow - Flush tool light surge then dead - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2217.24	112.38	Initial Hydro-static
1	18.26	111.77	Open To Flow (1)
31	31.96	113.38	Shut-In(1)
60	1221.77	115.95	End Shut-In(1)
61	34.22	115.73	Open To Flow (2)
72	35.20	116.37	Shut-In(2)
73	2156.32	116.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud w / thin layer oil in pipe Mud 100%	0.36

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62639 **DST#: 2**
Test Start: 2017.09.12 @ 05:12:00

Tool Information

Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 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:	20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	66000.00 lb
		Total Volume: 61.06 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	61000.00 lb
Depth to Top Packer:	4374.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	8.00 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
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut-In Tool	5.00			4352.00	
Hydraulic tool	5.00			4357.00	
Jars	5.00			4362.00	
Safety Joint	2.00			4364.00	
Top Packer	5.00			4369.00	
Packer	5.00			4374.00	27.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	4375.00	
Recorder	1.00	8322	Outside	4376.00	
Anchor	3.00			4379.00	
Bullnose	3.00			4382.00	8.00 Anchor Tool
Total Tool Length:	35.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62639 **DST#: 2**
Test Start: 2017.09.12 @ 05:12:00

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

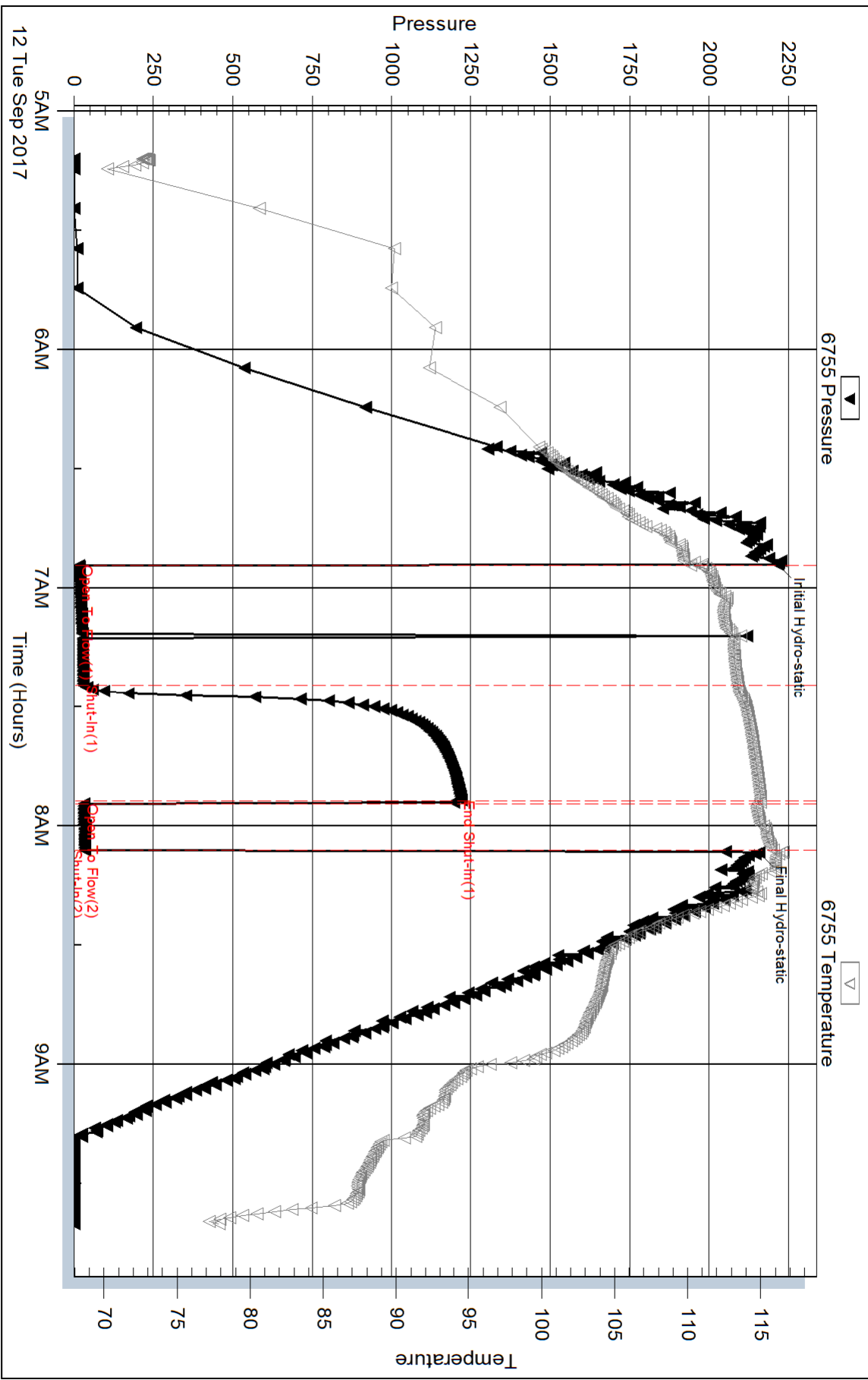
Recovery Information

Recovery Table

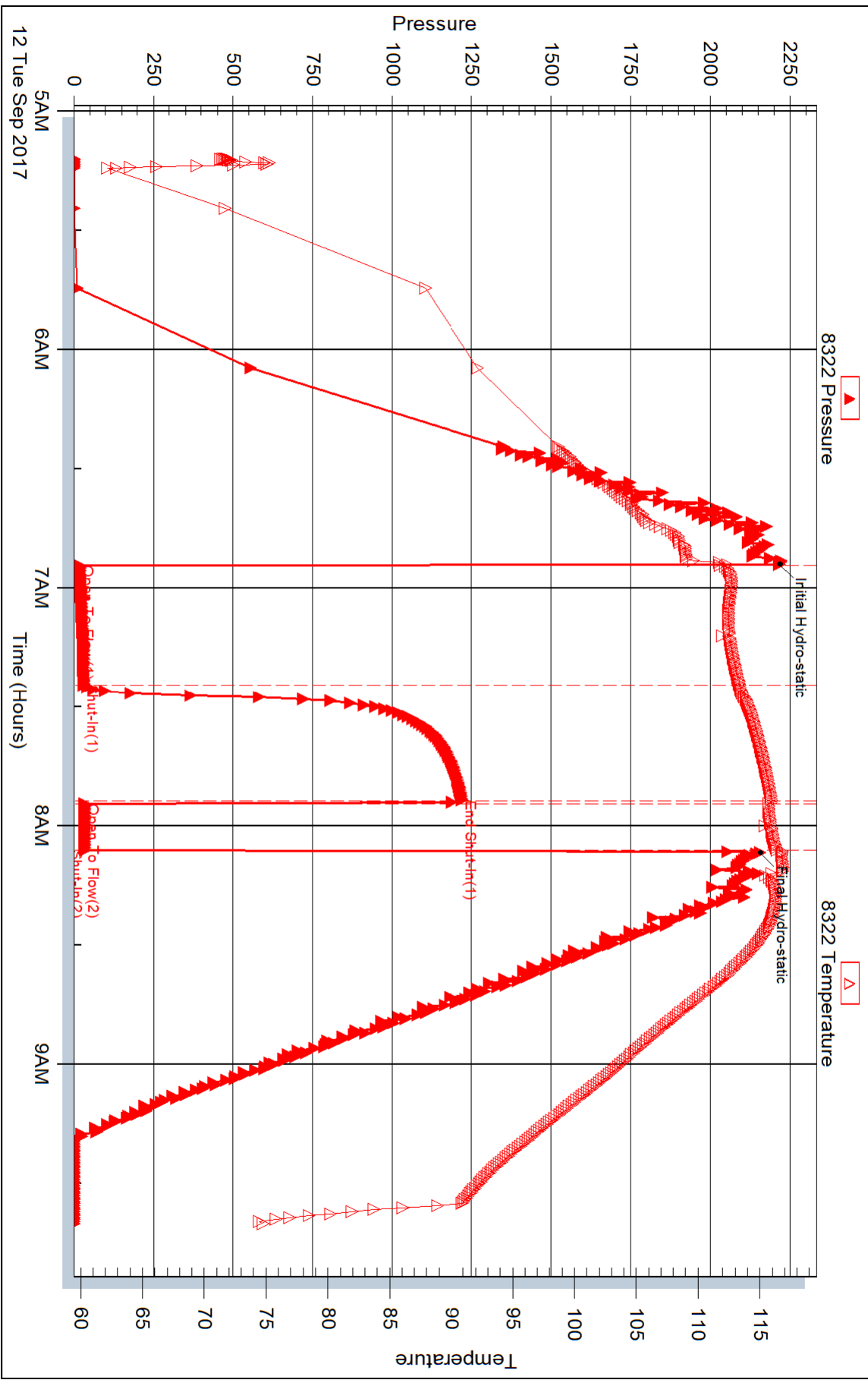
Length ft	Description	Volume bbl
45.00	Mud w / thin layer oil in pipe Mud 100%	0.358

Total Length: 45.00 ft Total Volume: 0.358 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

LN #2-18

18-19S-21W Ness,KS

Start Date: 2017.09.12 @ 15:12:00

End Date: 2017.09.12 @ 19:52:17

Job Ticket #: 62640 DST #: 3

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

Printed: 2017.09.13 @ 13:47:04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62640 **DST#: 3**
 Test Start: 2017.09.12 @ 15:12:00

GENERAL INFORMATION:

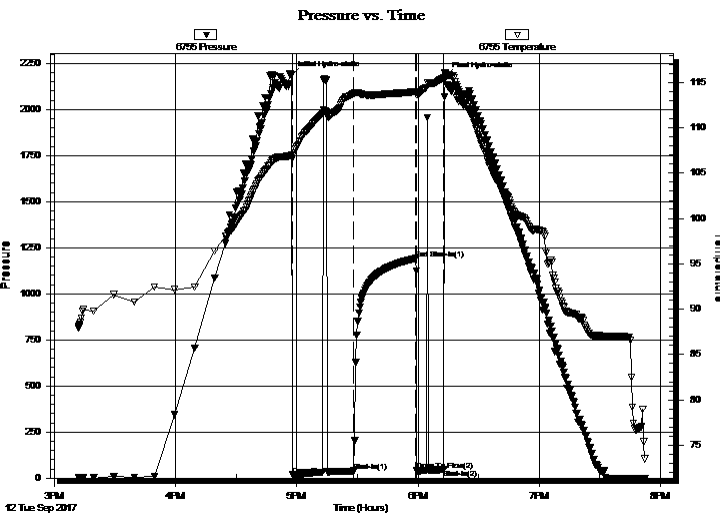
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:57:47
 Time Test Ended: 19:52:17
 Interval: **4375.00 ft (KB) To 4387.00 ft (KB) (TVD)**
 Total Depth: 4387.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2271.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6755

Inside

Press@RunDepth: 39.37 psig @ 4376.00 ft (KB) Capacity: psig
 Start Date: 2017.09.12 End Date: 2017.09.12 Last Calib.: 2017.09.12
 Start Time: 15:12:01 End Time: 19:52:17 Time On Btm: 2017.09.12 @ 16:57:17
 Time Off Btm: 2017.09.12 @ 18:13:32

TEST COMMENT: IFP 30 Minutes Light surge at open then dead - Flush tool no help
 ISI 30 Minutes No blow back
 FFP 10 Minutes Dead no blow - Flush tool light surge then dead - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2186.13	106.97	Initial Hydro-static
1	17.66	106.57	Open To Flow (1)
31	39.37	113.75	Shut-In(1)
62	1191.55	113.95	End Shut-In(1)
63	40.31	113.68	Open To Flow (2)
76	47.45	115.53	Shut-In(2)
77	2177.93	116.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	WCM w/ skim of oil Water 10% Mud 90%0.71	

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

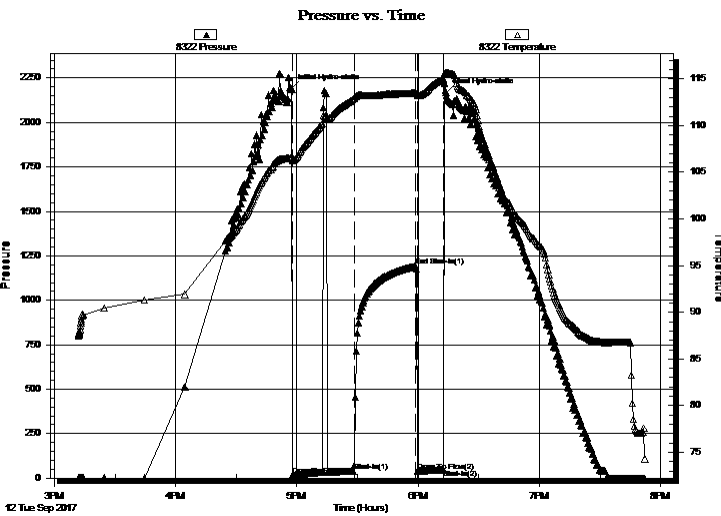
18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62640 **DST#: 3**
 Test Start: 2017.09.12 @ 15:12:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:57:47
 Time Test Ended: 19:52:17
 Interval: **4375.00 ft (KB) To 4387.00 ft (KB) (TVD)**
 Total Depth: 4387.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2271.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8322 Outside
 Press@RunDepth: 1192.17 psig @ 4377.00 ft (KB) Capacity: psig
 Start Date: 2017.09.12 End Date: 2017.09.12 Last Calib.: 2017.09.12
 Start Time: 15:12:01 End Time: 19:52:17 Time On Btm: 2017.09.12 @ 16:57:32
 Time Off Btm: 2017.09.12 @ 18:13:47

TEST COMMENT: IFP 30 Minutes Light surge at open then dead - Flush tool no help
 ISI 30 Minutes No blow back
 FFP 10 Minutes Dead no blow - Flush tool light surge then dead - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.43	106.59	Initial Hydro-static
1	18.50	106.22	Open To Flow (1)
31	39.64	112.91	Shut-In(1)
62	1192.17	113.47	End Shut-In(1)
62	41.15	113.24	Open To Flow (2)
75	47.47	114.99	Shut-In(2)
77	2165.67	115.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	WCM w/ skim of oil Water 10% Mud 90%	0.71

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62640 **DST#: 3**
Test Start: 2017.09.12 @ 15:12:00

Tool Information

Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 61.06 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4375.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut-In Tool	5.00			4353.00	
Hydraulic tool	5.00			4358.00	
Jars	5.00			4363.00	
Safety Joint	2.00			4365.00	
Top Packer	5.00			4370.00	
Packer	5.00			4375.00	27.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	4376.00	
Recorder	1.00	8322	Outside	4377.00	
Anchor	7.00			4384.00	
Bullnose	3.00			4387.00	12.00 Anchor Tool
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62640 **DST#: 3**
Test Start: 2017.09.12 @ 15:12:00

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:	21000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	WCM w / skim of oil Water 10% Mud 90%	0.709

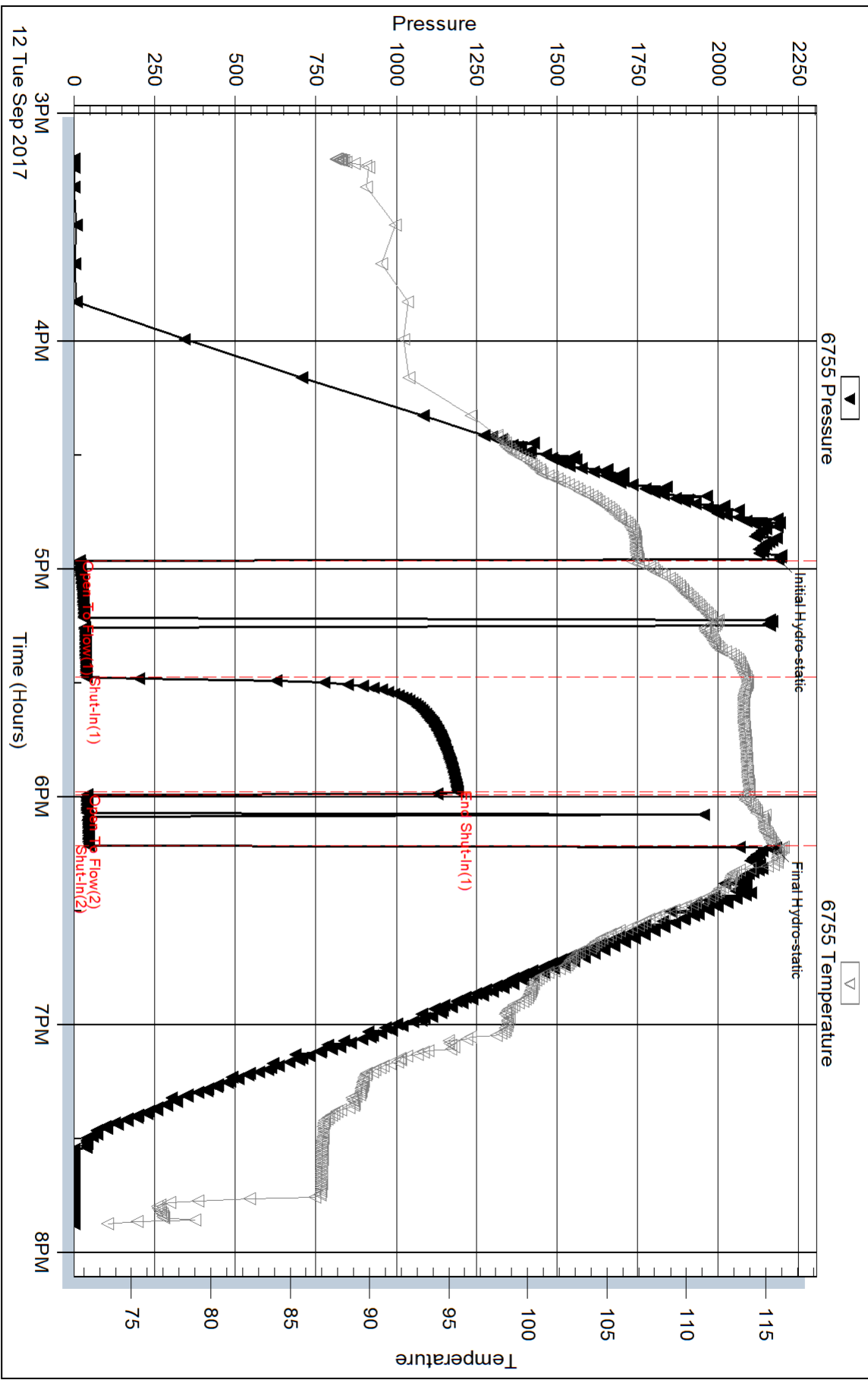
Total Length: 70.00 ft Total Volume: 0.709 bbl

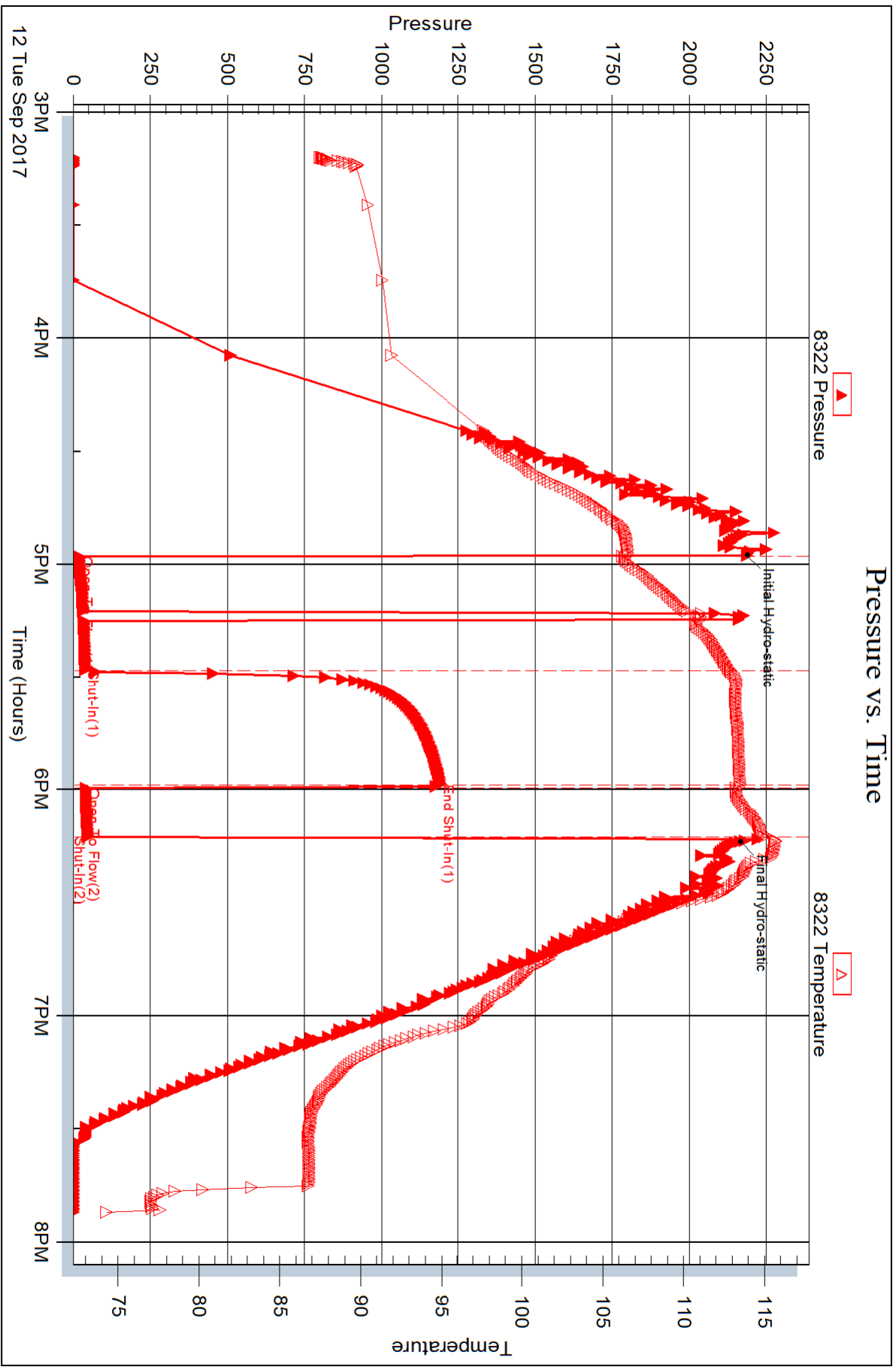
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Recovery resistivity .335 ohms @ 75 deg.

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

LN #2-18

18-19S-21W Ness,KS

Start Date: 2017.09.13 @ 01:24:00

End Date: 2017.09.13 @ 06:10:17

Job Ticket #: 62641 DST #: 4

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

Printed: 2017.09.13 @ 13:46:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

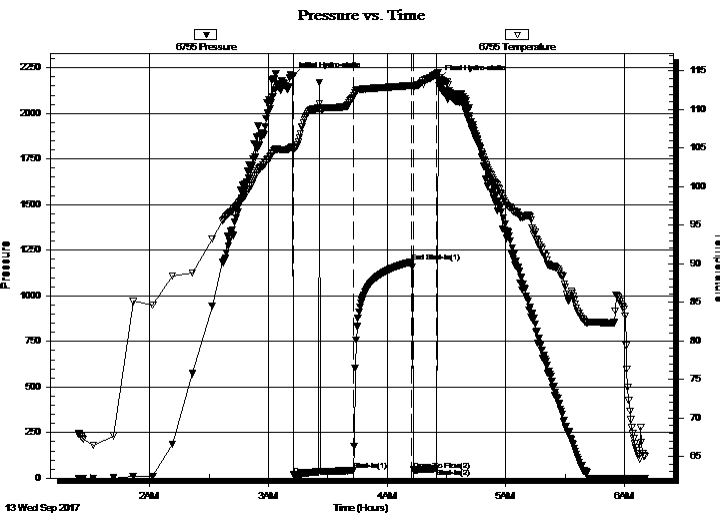
18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62641 **DST#: 4**
 Test Start: 2017.09.13 @ 01:24:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:12:47
 Time Test Ended: 06:10:17
 Interval: **4376.00 ft (KB) To 4392.00 ft (KB) (TVD)**
 Total Depth: 4392.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2271.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
 Press@RunDepth: 43.83 psig @ 4388.00 ft (KB) Capacity: psig
 Start Date: 2017.09.13 End Date: 2017.09.13 Last Calib.: 2017.09.13
 Start Time: 01:24:01 End Time: 06:10:17 Time On Btm: 2017.09.13 @ 03:12:17
 Time Off Btm: 2017.09.13 @ 04:25:47

TEST COMMENT: IFP 30 minutes Light surface blow for 3 min then dead - Flush tool - light surge then dead
 ISI 30 minutes No blow back
 FFP 15 minutes Light surge at open then dead - Flush tool light surge then dead - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.37	105.18	Initial Hydro-static
1	17.46	104.87	Open To Flow (1)
31	43.83	111.55	Shut-In(1)
61	1185.69	113.08	End Shut-In(1)
61	45.37	112.96	Open To Flow (2)
73	53.34	114.58	Shut-In(2)
74	2183.72	114.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	WM w/show of oil Water 30% Mud 70%	0.78

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

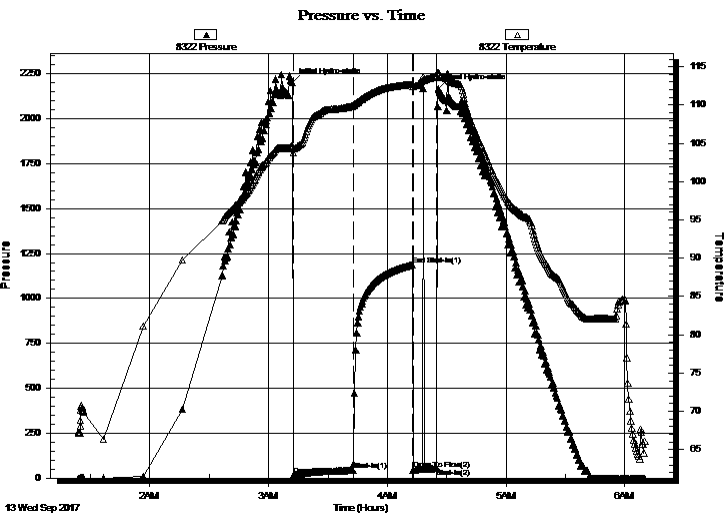
18-19S-21W Ness,KS
LN #2-18
 Job Ticket: 62641 **DST#: 4**
 Test Start: 2017.09.13 @ 01:24:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:12:47
 Time Test Ended: 06:10:17
 Interval: **4376.00 ft (KB) To 4392.00 ft (KB) (TVD)**
 Total Depth: 4392.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2271.00 ft (KB)
 2263.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8322 Outside
 Press@RunDepth: 1186.85 psig @ 4389.00 ft (KB) Capacity: psig
 Start Date: 2017.09.13 End Date: 2017.09.13 Last Calib.: 2017.09.13
 Start Time: 01:24:01 End Time: 06:10:17 Time On Btm: 2017.09.13 @ 03:12:02
 Time Off Btm: 2017.09.13 @ 04:25:47

TEST COMMENT: IFP 30 minutes Light surface blow for 3 min then dead - Flush tool - light surge then dead
 ISI 30 minutes No blow back
 FFP 15 minutes Light surge at open then dead - Flush tool light surge then dead - Pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.63	104.66	Initial Hydro-static
1	18.25	103.78	Open To Flow (1)
31	44.93	109.95	Shut-In(1)
61	1186.85	112.67	End Shut-In(1)
62	46.86	112.49	Open To Flow (2)
73	54.56	113.78	Shut-In(2)
74	2169.26	114.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	WM w/show of oil Water 30% Mud 70%	0.78

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62641 **DST#: 4**
Test Start: 2017.09.13 @ 01:24:00

Tool Information

Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 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: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 61.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4376.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut-In Tool	5.00			4354.00	
Hydraulic tool	5.00			4359.00	
Jars	5.00			4364.00	
Safety Joint	2.00			4366.00	
Top Packer	5.00			4371.00	
Packer	5.00			4376.00	27.00 Bottom Of Top Packer
Anchor	11.00			4387.00	
Recorder	1.00	6755	Inside	4388.00	
Recorder	1.00	8322	Outside	4389.00	
Bullnose	3.00			4392.00	16.00 Anchor Tool
Total Tool Length:	43.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

18-19S-21W Ness,KS
LN #2-18
Job Ticket: 62641 **DST#: 4**
Test Start: 2017.09.13 @ 01:24:00

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:	22000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	WM w/show of oil Water 30% Mud 70%	0.779

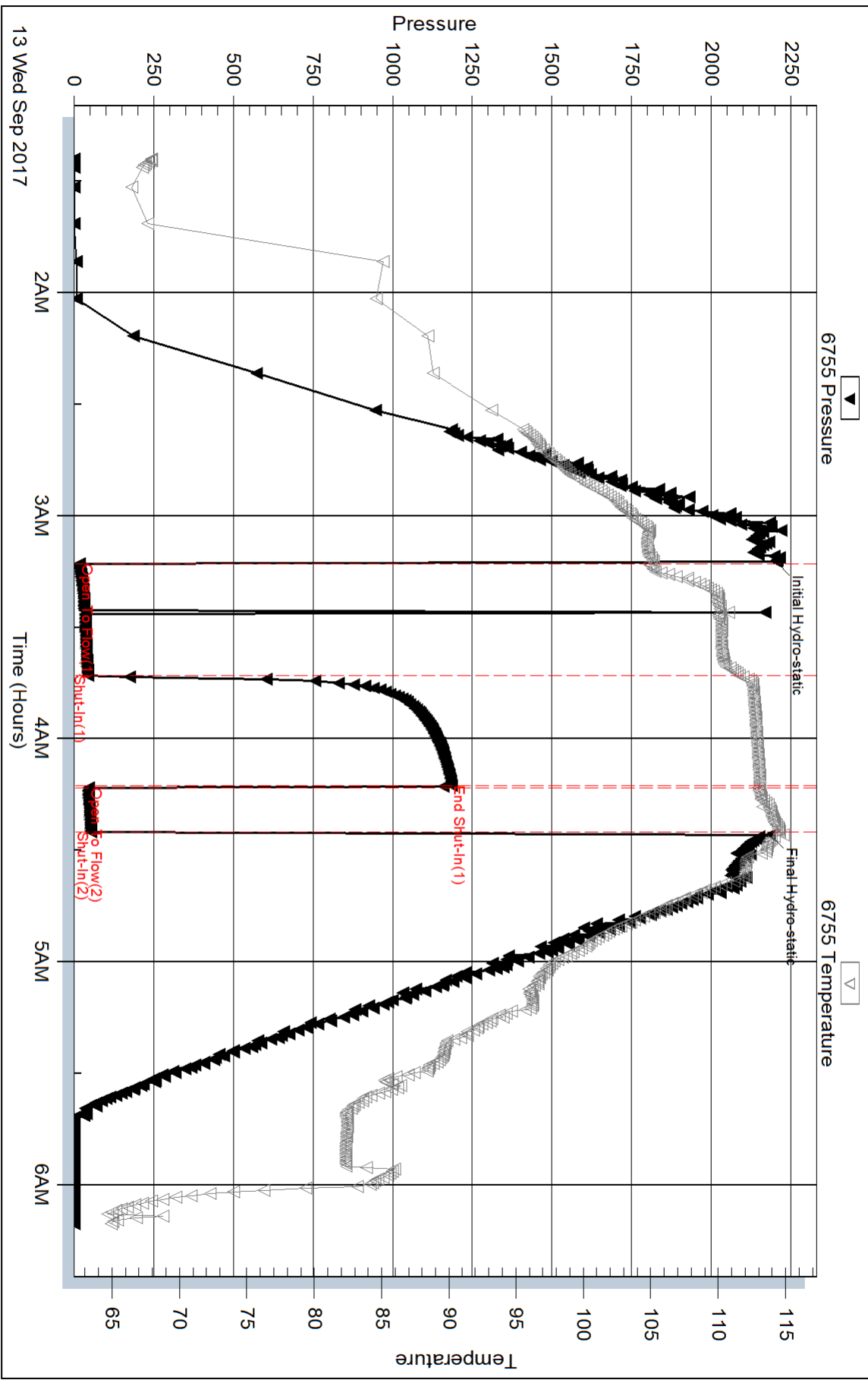
Total Length: 75.00 ft Total Volume: 0.779 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

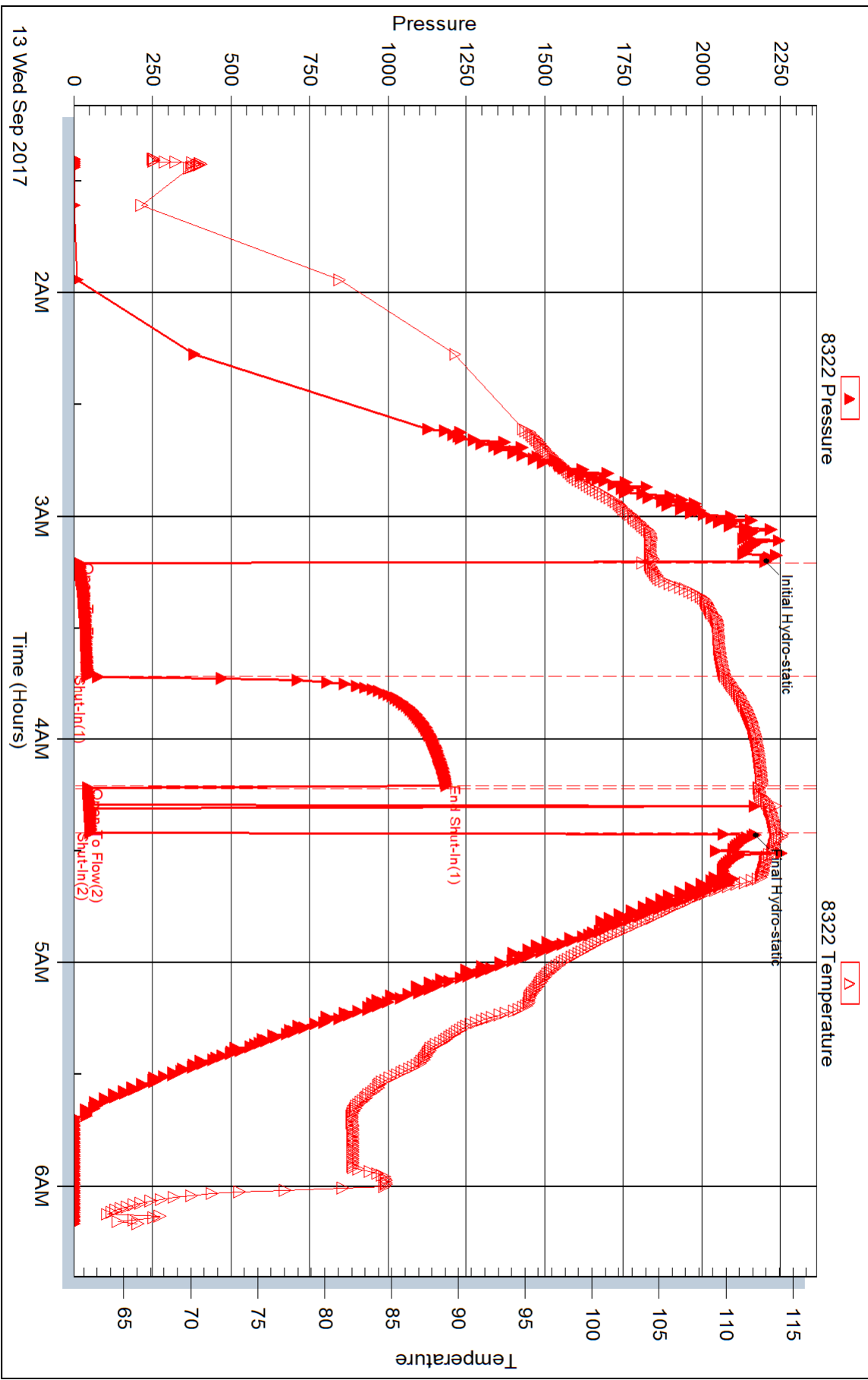
Laboratory Name: Laboratory Location:

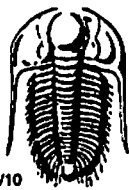
Recovery Comments: Recovery resistivity .315 ohms @ 75 deg

Pressure vs. Time



Pressure vs. Time





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62638

Well Name & No. LN #2-18 Test No. 1 Date 11 Sep 17
 Company American Warrior Inc Elevation 2271 KB 2263 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 4
 Location: Sec. 18 Twp. 19S Rge. 21W Co. NESS State KS

Interval Tested 4285-4310 Zone Tested Cherokee A Sand
 Anchor Length 25 Drill Pipe Run 4248 Mud Wt. 9.35
 Top Packer Depth 4280 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 4285 Wt. Pipe Run - WL 7.6
 Total Depth 4310 Chlorides 6000 ppm System LCM 1#

Blow Description I.F. Blow built to BOB in 4 1/2 minutes
I.S.I. No blow back
F.F. Blow built to 6 inches then died back to 3 inches
F.S.I. No blow back

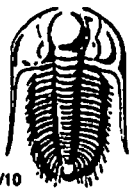
Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>GIP</u>	<u>100%</u>			
<u>186</u>	<u>light oil cut muddy water</u>		<u>3%</u>	<u>57%</u>	<u>40%</u>
<u>372</u>	<u>muddy water</u>			<u>90%</u>	<u>10%</u>

Rec Total _____ BHT 121 Gravity _____ API RW .230 @ 77 °F Chlorides 26,000 ppm

(A) Initial Hydrostatic <u>2116</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1:01 pm</u>
(B) First Initial Flow <u>94</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>3:18 pm</u>
(C) First Final Flow <u>140</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>5:16 pm</u>
(D) Initial Shut-In <u>378</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>6:21 pm</u>
(E) Second Initial Flow <u>165</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:28 pm</u>
(F) Second Final Flow <u>269</u>	<input checked="" type="checkbox"/> Mileage <u>110</u> 82.50	Comments _____
(G) Final Shut-In <u>375</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2100</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>5</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Day Standby _____	Total <u>1557.50</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1557.50</u>	

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62639

Well Name & No. LN #2-18 Test No. 2 Date 12 Sep 17
 Company American Warrior Inc Elevation 2271 KB 2263 GL
 Address PO Box 399 Garden City, Kansas 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 4
 Location: Sec. 18 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4374-4382 Zone Tested Mississippi
 Anchor Length 8 Drill Pipe Run 4342 Mud Wt. 9.35
 Top Packer Depth 4369 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 4374 Wt. Pipe Run - WL 7.6
 Total Depth 4382 Chlorides 6000 ppm System LCM 1#

Blow Description I.F. light surge at open then dead/Flush tool no help
I.S.I. No blowback
F.F. Dead no blow/Flush tool light surge then dead/Pull test

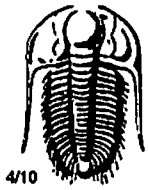
Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Mud within oil layer in pipe</u>			<u>100</u>	
<u>45</u>					

Rec Total 45 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2216 Test 1150 T-On Location 3:46 am
 (B) First Initial Flow 16 Jars 250 T-Started 5:12 am
 (C) First Final Flow 30 Safety Joint 75 T-Open 6:54 am
 (D) Initial Shut-In 1220 Circ Sub _____ T-Pulled 8:04 am
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 9:42 am
 (F) Second Final Flow 33 Mileage 110 82.50
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2158 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Shale Packer _____
 Final Flow 10 Extra Packer _____
 Final Shut-In _____ Extra Recorder _____
 Sub Total 0
 Total 1557.50
 Sub Total 1557.50 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 MP/DST Disc't _____

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62640

Well Name & No. LN #2-18 Test No. 3 Date 12 Sept 17
 Company American Warrior Inc Elevation 2271 KB 2263 GL
 Address PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 4
 Location: Sec. 18 Twp. 19S Rge. 21W Co. Ness State KS

Interval Tested 4375-4387 Zone Tested Mississippi
 Anchor Length 12 Drill Pipe Run 4342 Mud Wt. 9.4
 Top Packer Depth 3470 Drill Collars Run 30 Vis 56
 Bottom Packer Depth 4375 Wt. Pipe Run - WL 8.8
 Total Depth 4387 Chlorides 6200 ppm System LCM 1#

Blow Description I.F. light surge at opm then dead / Flush tool no help
I.S.I No blow back
F.F. Dead No blow / Flush tool light surge then dead / Pull test

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Water cut mud w/skin of oil in pipe</u>			<u>10%</u>	<u>90%</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

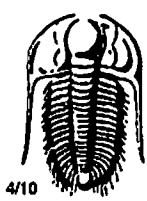
Rec Total 70 BHT 116 Gravity _____ API RW .335 @ 75° F Chlorides 21000 ppm

(A) Initial Hydrostatic 2186 Test 1150 T-On Location sketch on location
 (B) First Initial Flow 17 Jars 250 T-Started 3:12 pm
 (C) First Final Flow 39 Safety Joint 75 T-Open 4:58 pm
 (D) Initial Shut-In 1191 Circ Sub _____ T-Pulled 6:08 pm
 (E) Second Initial Flow 40 Hourly Standby _____ T-Out 7:51 pm
 (F) Second Final Flow 47 Mileage 110 Comments _____
 (G) Final Shut-In ~~30~~ Sampler _____
 (H) Final Hydrostatic 2177 Straddle _____

Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Day Standby _____ Sub Total 0
 Initial Shut-In 30 Accessibility _____ Total 1475
 Final Flow 10 Sub Total 1475 MP/DST Disc't _____
 Final Shut-In _____

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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62641

Well Name & No. LN #2-18 Test No. 4 Date 13 Sep 17
 Company American Warrior Inc Elevation 2271 KB 2263 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 4
 Location: Sec. 18 Twp. 19S Rge. 21W Co. Noss State KS

Interval Tested 4376-4392 Zone Tested Mississippi
 Anchor Length 16 Drill Pipe Run 4342 Mud Wt. 9.4
 Top Packer Depth 4371 Drill Collars Run 30 Vis 56
 Bottom Packer Depth 4376 Wt. Pipe Run - WL 8.8
 Total Depth 4392 Chlorides 6200 ppm System LCM 1#

Blow Description I.F. light surface blow for 3 min. then dead / Flush tool no help
I.S.I No blow back
F.F. light surge at open then dead / Flush tool no help / Pull test

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>Watery mud w/show of oil</u>			<u>30</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	Feet of	%gas	%oil	%water	%mud

Rec Total 75 BHT _____ Gravity _____ API RW 315 @ 75 °F Chlorides 22000 ppm

(A) Initial Hydrostatic <u>2203</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:50 pm</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:24 am</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:12 am</u>
(D) Initial Shut-In <u>1185</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>4:27 am</u>
(E) Second Initial Flow <u>45</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:10 am</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>110</u> 82.50	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2183</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>15</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In _____	<input type="checkbox"/> Day Standby _____	Total <u>1557.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1557.50</u>	

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.