

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	SCHUETTE 6-36
Doc ID	1379568

All Electric Logs Run

Dual IND
Porosity
Micro
sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	SCHUETTE 6-36
Doc ID	1379568

Tops

Name	Top	Datum
Heebner	4058	-2111
Lansing	4238	2291
BKC	4632	2685
Marmaton	4696	-2749
Pawnee	4766	-2819
Cherokee	4800	-2853
Miss	4806	2859
Viola	5074	-3127
Simpson	5275	-3328
Arbuckle	5356	-3409



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Schuette #6-36

36-31S-16W Comanche,KS

Start Date: 2017.10.31 @ 15:27:00

End Date: 2017.10.31 @ 22:57:02

Job Ticket #: 62078 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.08 @ 15:24:41



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62078

DST#: 1

ATTN: Luke Thompson

Test Start: 2017.10.31 @ 15:27:00

GENERAL INFORMATION:

Formation: **Tonganoxie**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:30:32

Time Test Ended: 22:57:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4232.00 ft (KB) To 4250.00 ft (KB) (TVD)

Reference Elevations: 1947.00 ft (KB)

Total Depth: 4250.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6755

Inside

Press@RunDepth: 184.93 psig @ 4246.00 ft (KB)

Capacity: psig

Start Date: 2017.10.31

End Date:

2017.10.31

Last Calib.:

2017.10.31

Start Time: 15:27:01

End Time:

22:57:02

Time On Btm:

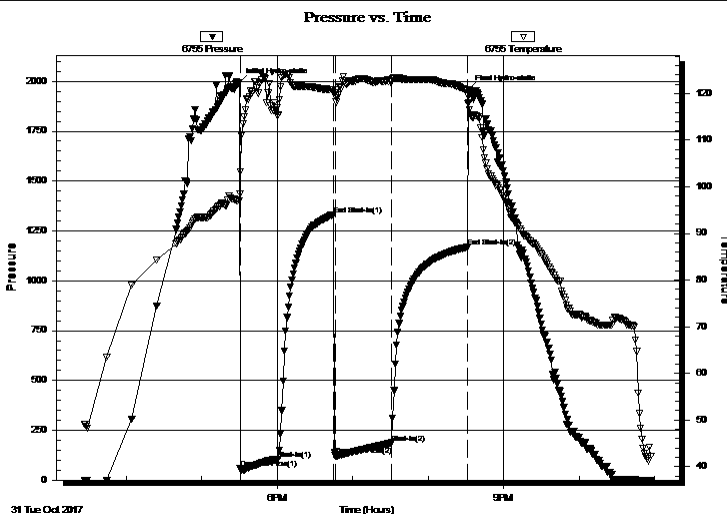
2017.10.31 @ 17:30:02

Time Off Btm:

2017.10.31 @ 20:32:17

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 8 minutes
ISI 45 Minutes Blow back built to 6"
FFP 45 Minutes Blow built to BOB in 5 minutes
FSI 60 Minutes Blow back built to BOB in 5 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1991.38	97.03	Initial Hydro-static
1	60.95	98.50	Open To Flow (1)
31	105.89	115.24	Shut-In(1)
75	1331.76	120.80	End Shut-In(1)
76	122.86	119.43	Open To Flow (2)
121	184.93	122.65	Shut-In(2)
181	1167.50	120.69	End Shut-In(2)
183	1956.56	118.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCEOW Mud 5% Gas10% EOil 10% W	0.8775%
62.00	GEOCM Gas 5% Emuls Oil 25% Mud 75%	0.87
310.00	GMMVCEO Gas20% Mud 20% Water 30%	4.35 30%
0.00	2728' 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: Luke Thompson

36-31S-16W Comanche,KS
Schuette #6-36
 Job Ticket: 62078 **DST#: 1**
 Test Start: 2017.10.31 @ 15:27:00

GENERAL INFORMATION:

Formation: **Tonganoxie**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:30:32
 Time Test Ended: 22:57:02
 Interval: **4232.00 ft (KB) To 4250.00 ft (KB) (TVD)**
 Total Depth: 4250.00 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: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

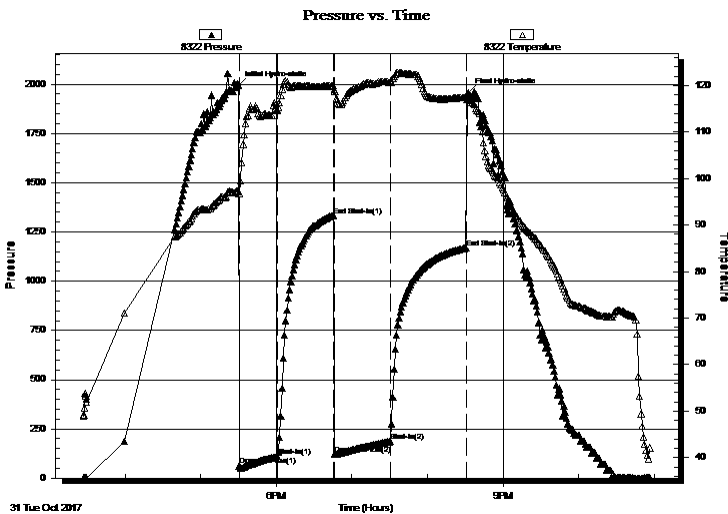
Serial #: 8322

Outside

Press@RunDepth: 1169.38 psig @ 4247.00 ft (KB) Capacity: psig
 Start Date: 2017.10.31 End Date: 2017.10.31 Last Calib.: 2017.10.31
 Start Time: 15:27:01 End Time: 22:57:02 Time On Btm: 2017.10.31 @ 17:29:47
 Time Off Btm: 2017.10.31 @ 20:32:17

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 8 minutes
 ISI 45 Minutes Blow back built to 6"
 FFP 45 Minutes Blow built to BOB in 5 minutes
 FSI 60 Minutes Blow back built to BOB in 5 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.33	97.23	Initial Hydro-static
1	63.08	96.81	Open To Flow (1)
32	109.97	114.83	Shut-In(1)
76	1334.06	119.92	End Shut-In(1)
77	122.62	119.12	Open To Flow (2)
121	186.65	120.75	Shut-In(2)
181	1169.38	117.44	End Shut-In(2)
183	1956.57	117.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCEOW Mud 5% Gas 10% EOil 10%	0.8775%
62.00	GEOCM Gas 5% Emuls Oil 25% Mud 75%	0.87
310.00	GMMVCEO Gas 20% Mud 20% Water 30%	4.35 30%
0.00	2728' 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.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62078

DST#: 1

ATTN: Luke Thompson

Test Start: 2017.10.31 @ 15:27:00

Tool Information

Drill Pipe:	Length: 4221.00 ft	Diameter: 3.80 inches	Volume: 59.21 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 59.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4232.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 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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Shut-In Tool	5.00			4210.00	
Hydraulic tool	5.00			4215.00	
Jars	5.00			4220.00	
Safety Joint	2.00			4222.00	
Packer - Shale	5.00			4227.00	
Packer	5.00			4232.00	27.00 Bottom Of Top Packer
Anchor	13.00			4245.00	
Recorder	1.00	6755	Inside	4246.00	
Recorder	1.00	8322	Outside	4247.00	
Bullnose	3.00			4250.00	18.00 Anchor Tool
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuetter #6-36

Job Ticket: 62078

DST#: 1

ATTN: Luke Thompson

Test Start: 2017.10.31 @ 15:27:00

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:

27000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	GMCEOW Mud 5% Gas10% EOil 10% Water	0.870
62.00	GEOCM Gas 5% Emuls Oil 25% Mud 75%	0.870
310.00	GMWCEO Gas20% Mud 20% Water 30% EOil	4.348
0.00	2728' GIP	0.000

Total Length: 434.00 ft

Total Volume: 6.088 bbl

Num Fluid Samples: 0

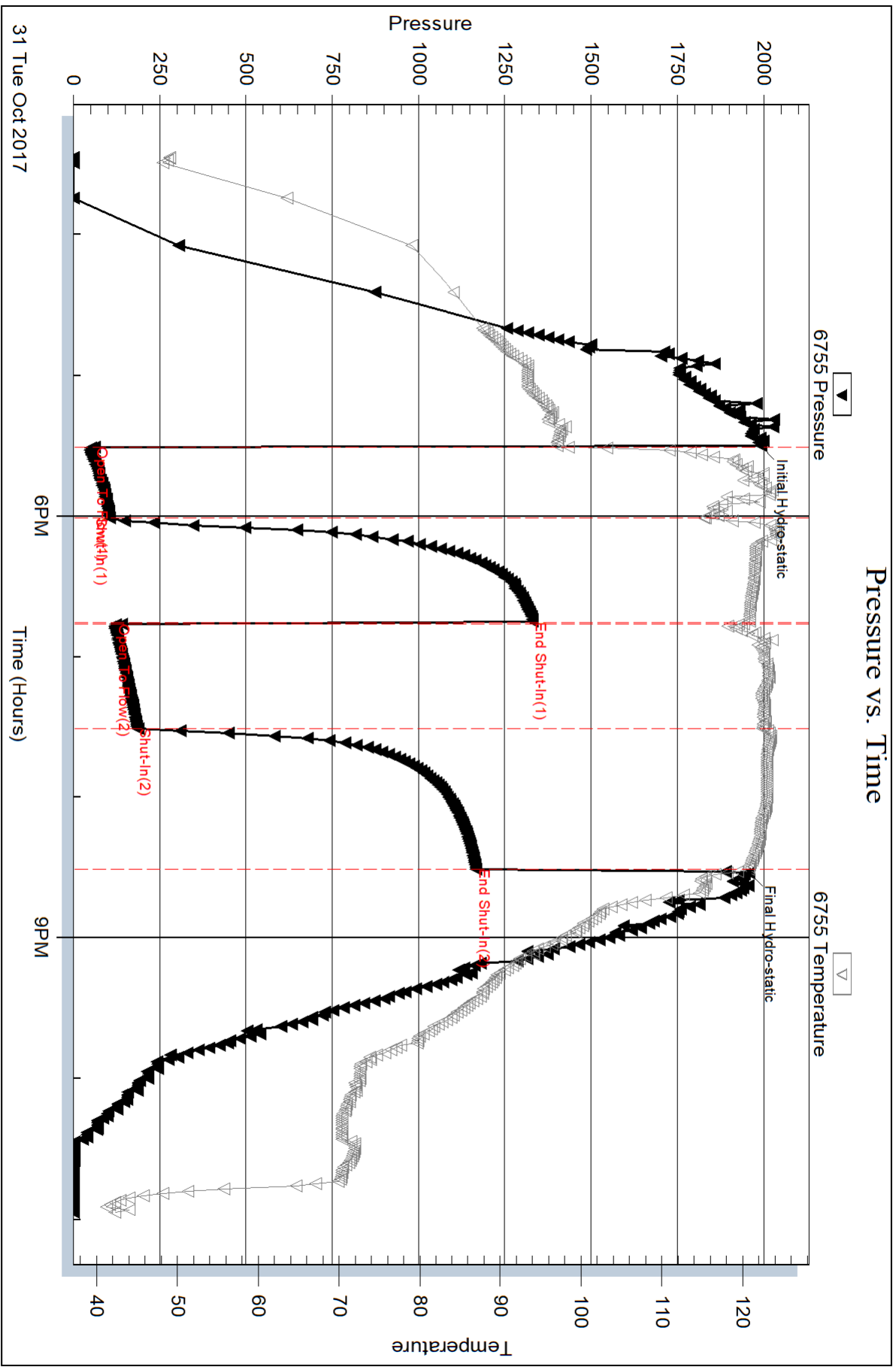
Num Gas Bombs: 0

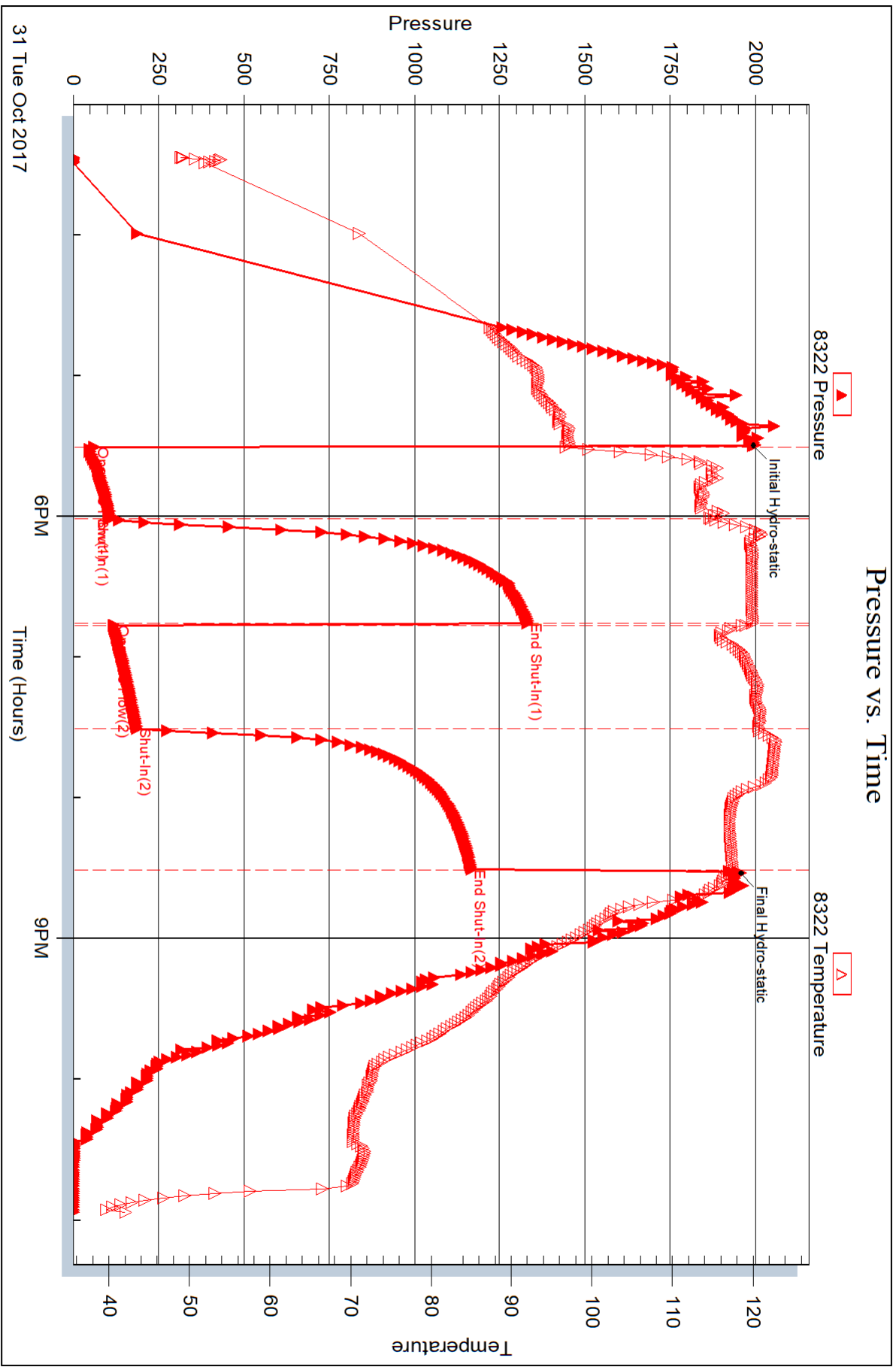
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .5 ohms @ 40 deg.





31 Tue Oct 2017



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Schuette #6-36

36-31S-16W Comanche,KS

Start Date: 2017.11.02 @ 13:39:00

End Date: 2017.11.02 @ 20:15:02

Job Ticket #: 62079 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.08 @ 15:24:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Luke Thompson

36-31S-16W Comanche,KS

Schuette #6-36

Job Ticket: 62079

DST#: 2

Test Start: 2017.11.02 @ 13:39:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:14:32

Time Test Ended: 20:15:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4710.00 ft (KB) To 4755.00 ft (KB) (TVD)

Reference Elevations: 1947.00 ft (KB)

Total Depth: 4755.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6755

Inside

Press@RunDepth: 17.74 psig @ 4751.00 ft (KB)

Capacity: psig

Start Date: 2017.11.02

End Date:

2017.11.02

Last Calib.:

2017.11.02

Start Time: 13:39:01

End Time:

20:15:02

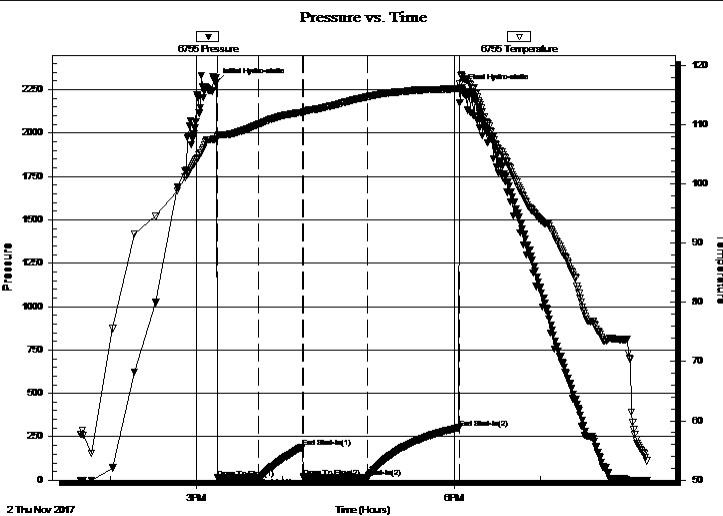
Time On Btm:

2017.11.02 @ 15:13:32

Time Off Btm:

2017.11.02 @ 18:05:02

TEST COMMENT: IFP 30 Minutes Blow built to 6"
 ISI 30 Minutes No blow back
 FFP 45 Minutes Blow built to BOB in 19 minutes
 FSI 60 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.30	107.63	Initial Hydro-static
1	13.52	107.90	Open To Flow (1)
30	17.26	110.10	Shut-In(1)
61	190.58	112.11	End Shut-In(1)
62	14.03	112.14	Open To Flow (2)
106	17.74	114.75	Shut-In(2)
170	301.96	116.15	End Shut-In(2)
172	2255.76	118.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud with show of oil/ Mud 100%	0.28
0.00	400" 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: Luke Thompson

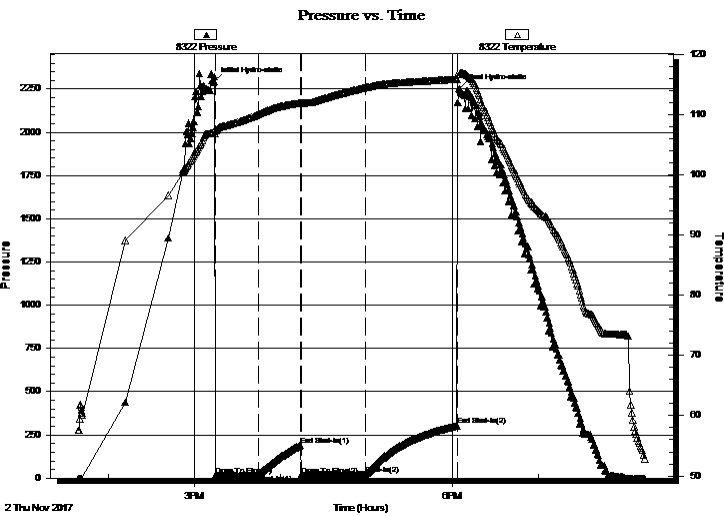
36-31S-16W Comanche,KS
Schuette #6-36
 Job Ticket: 62079 **DST#: 2**
 Test Start: 2017.11.02 @ 13:39:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:14:32
 Time Test Ended: 20:15:02
 Interval: **4710.00 ft (KB) To 4755.00 ft (KB) (TVD)**
 Total Depth: 4755.00 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: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8322 Outside
 Press@RunDepth: 303.21 psig @ 4752.00 ft (KB) Capacity: psig
 Start Date: 2017.11.02 End Date: 2017.11.02 Last Calib.: 2017.11.02
 Start Time: 13:39:01 End Time: 20:15:02 Time On Btm: 2017.11.02 @ 15:13:32
 Time Off Btm: 2017.11.02 @ 18:04:47

TEST COMMENT: IFP 30 Minutes Blow built to 6"
 ISI 30 Minutes No blow back
 FFP 45 Minutes Blow built to BOB in 19 minutes
 FSI 60 Mintues No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2292.98	107.15	Initial Hydro-static
1	14.63	106.78	Open To Flow (1)
31	18.99	110.05	Shut-In(1)
61	192.04	111.89	End Shut-In(1)
62	15.31	111.88	Open To Flow (2)
106	20.12	114.48	Shut-In(2)
170	303.21	115.91	End Shut-In(2)
172	2251.08	116.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud with show of oil/ Mud 100%	0.28
0.00	400" 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.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62079

DST#: 2

ATTN: Luke Thompson

Test Start: 2017.11.02 @ 13:39:00

Tool Information

Drill Pipe:	Length: 4692.00 ft	Diameter: 3.80 inches	Volume: 65.82 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 65.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4710.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4688.00	
Hydraulic tool	5.00			4693.00	
Jars	5.00			4698.00	
Safety Joint	2.00			4700.00	
Packer - Shale	5.00			4705.00	
Packer	5.00			4710.00	27.00 Bottom Of Top Packer
Anchor	40.00			4750.00	
Recorder	1.00	6755	Inside	4751.00	
Recorder	1.00	8322	Outside	4752.00	
Bullnose	3.00			4755.00	45.00 Anchor Tool
Total Tool Length:	72.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuetz #6-36

Job Ticket: 62079

DST#: 2

ATTN: Luke Thompson

Test Start: 2017.11.02 @ 13:39:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
20.00	Mud with show of oil/ Mud 100%	0.281
0.00	400" GIP	0.000

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

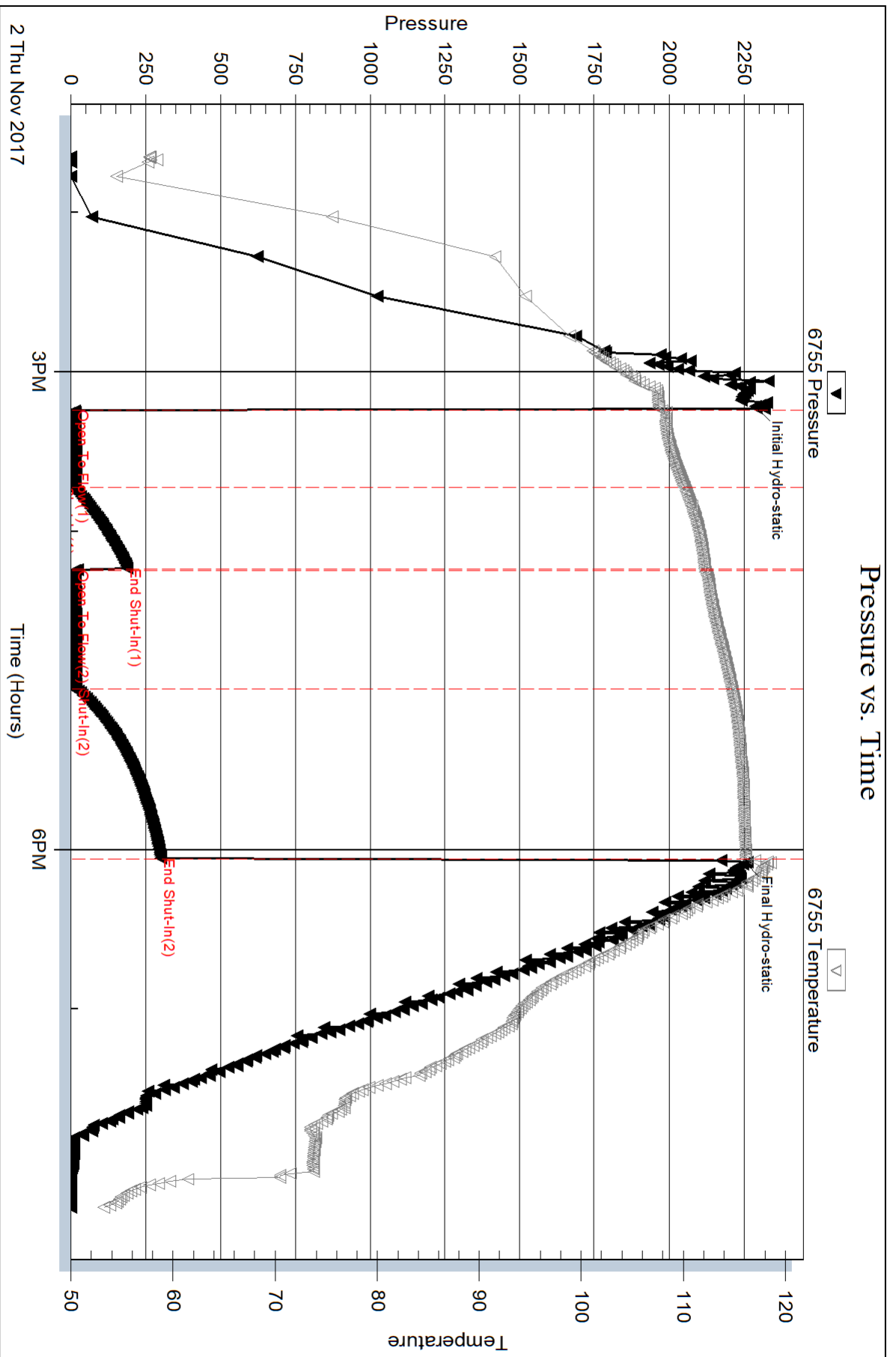
Num Gas Bombs: 0

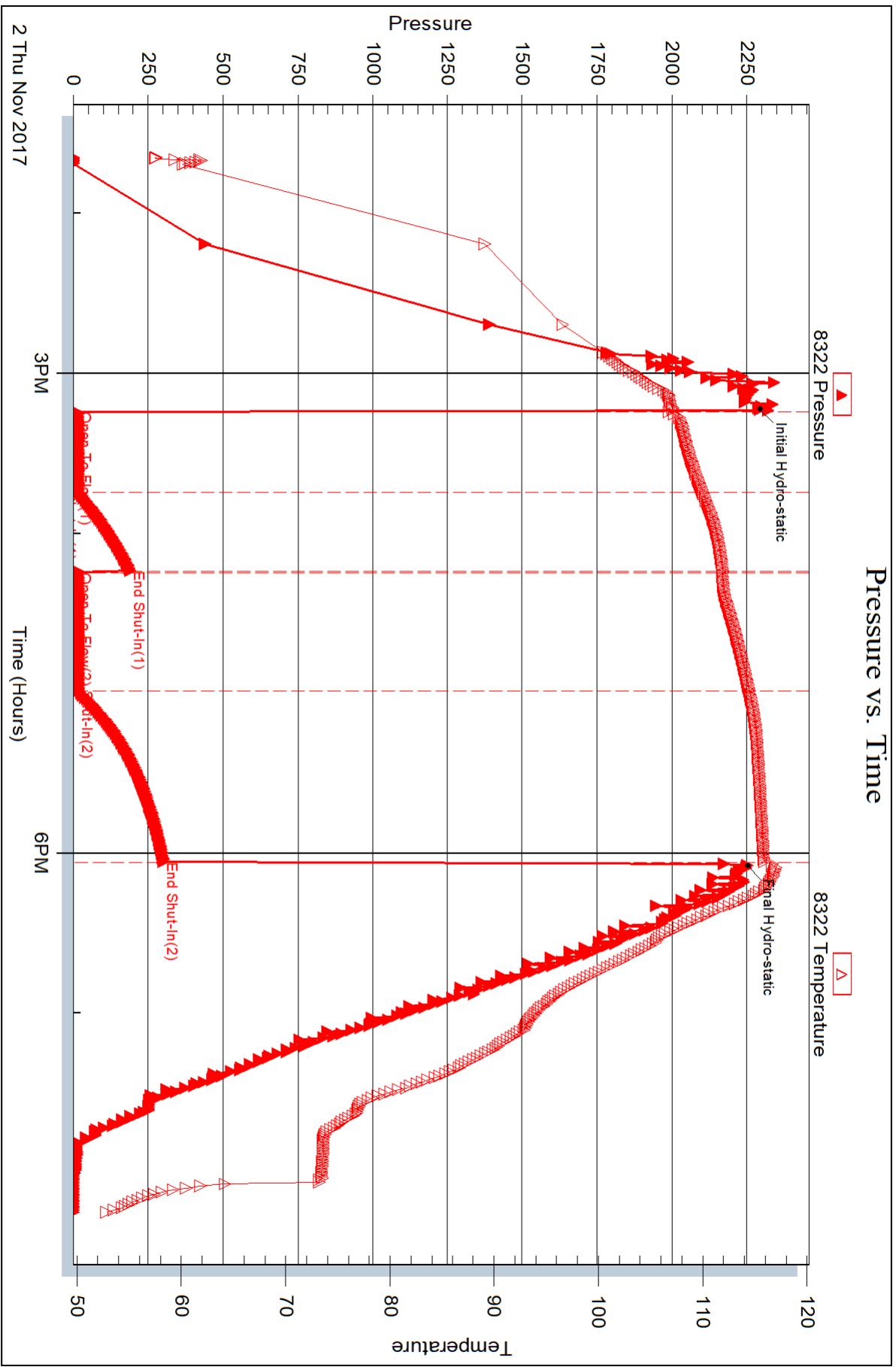
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Schuette #6-36

36-31S-16W Comanche,KS

Start Date: 2017.11.03 @ 07:00:00

End Date: 2017.11.03 @ 13:22:02

Job Ticket #: 62080 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.08 @ 15:09:10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Luke Thompson

36-31S-16W Comanche,KS

Schuette #6-36

Job Ticket: 62080 **DST#: 3**

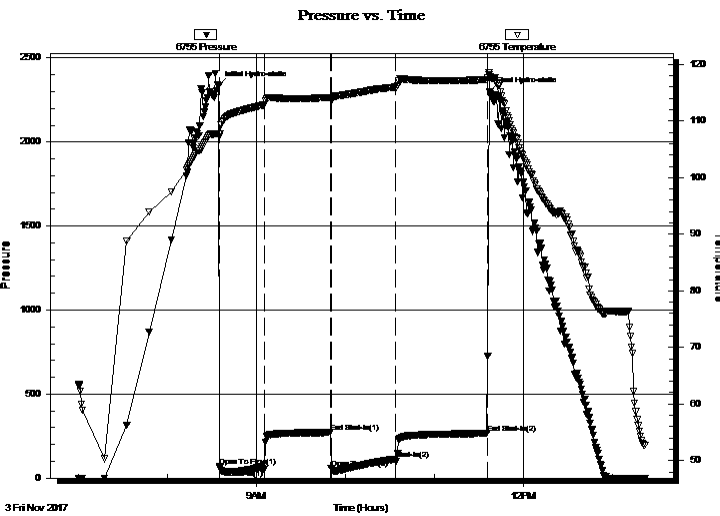
Test Start: 2017.11.03 @ 07:00:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:35:02
 Time Test Ended: 13:22:02
 Interval: **4744.00 ft (KB) To 4785.00 ft (KB) (TVD)**
 Total Depth: 4785.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6755 Inside
 Press@RunDepth: 113.39 psig @ 4781.00 ft (KB) Capacity: psig
 Start Date: 2017.11.03 End Date: 2017.11.03 Last Calib.: 2017.11.03
 Start Time: 07:00:01 End Time: 13:22:02 Time On Btm: 2017.11.03 @ 08:34:32
 Time Off Btm: 2017.11.03 @ 11:37:17

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 45 seconds/ Gas to surface in 10 minutes
 ISI 45 Minutes No blow back
 FFP 45 Minutes Blow built to BOB in 10 seconds
 FSI 60 Mintues Surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2335.47	107.73	Initial Hydro-static
1	68.66	107.17	Open To Flow (1)
31	54.47	112.87	Shut-In(1)
76	271.32	114.18	End Shut-In(1)
76	56.20	113.51	Open To Flow (2)
120	113.39	116.03	Shut-In(2)
181	266.16	117.37	End Shut-In(2)
183	2298.56	117.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud 100%	0.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.00	9.13
Last Gas Rate	0.13	85.00	37.20
Max. Gas Rate	0.13	85.00	37.20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Luke Thompson

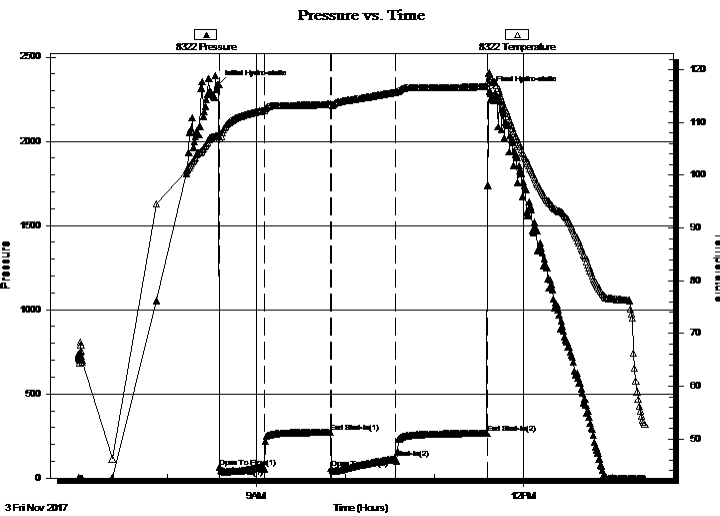
36-31S-16W Comanche,KS
Schuette #6-36
 Job Ticket: 62080 **DST#: 3**
 Test Start: 2017.11.03 @ 07:00:00

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:35:02
 Time Test Ended: 13:22:02
 Interval: **4744.00 ft (KB) To 4785.00 ft (KB) (TVD)**
 Total Depth: 4785.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8322 Outside
 Press@RunDepth: 266.94 psig @ 4782.00 ft (KB) Capacity: psig
 Start Date: 2017.11.03 End Date: 2017.11.03 Last Calib.: 2017.11.03
 Start Time: 07:00:01 End Time: 13:22:02 Time On Btm: 2017.11.03 @ 08:34:32
 Time Off Btm: 2017.11.03 @ 11:37:17

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 45 seconds/ Gas to surface in 10 minutes
 ISI 45 Minutes No blow back
 FFP 45 Minutes Blow built to BOB in 10 seconds
 FSI 60 Mintues Surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2336.57	107.41	Initial Hydro-static
1	64.72	106.88	Open To Flow (1)
31	55.59	112.33	Shut-In(1)
76	271.95	113.44	End Shut-In(1)
76	59.32	113.33	Open To Flow (2)
119	114.90	115.74	Shut-In(2)
181	266.94	116.85	End Shut-In(2)
183	2298.85	118.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud 100%	0.77

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	10.00	9.13
Last Gas Rate	0.13	85.00	37.20
Max. Gas Rate	0.13	85.00	37.20



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62080

DST#: 3

ATTN: Luke Thompson

Test Start: 2017.11.03 @ 07:00:00

Tool Information

Drill Pipe:	Length: 4724.00 ft	Diameter: 3.80 inches	Volume: 66.27 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 66.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	4744.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4722.00	
Hydraulic tool	5.00			4727.00	
Jars	5.00			4732.00	
Safety Joint	2.00			4734.00	
Packer - Shale	5.00			4739.00	
Packer	5.00			4744.00	27.00 Bottom Of Top Packer
Anchor	36.00			4780.00	
Recorder	1.00	6755	Inside	4781.00	
Recorder	1.00	8322	Outside	4782.00	
Bullnose	3.00			4785.00	41.00 Anchor Tool
Total Tool Length:	68.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62080

DST#: 3

ATTN: Luke Thompson

Test Start: 2017.11.03 @ 07:00:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Mud 100%	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62080

DST#: 3

ATTN: Luke Thompson

Test Start: 2017.11.03 @ 07:00:00

Gas Rates Information

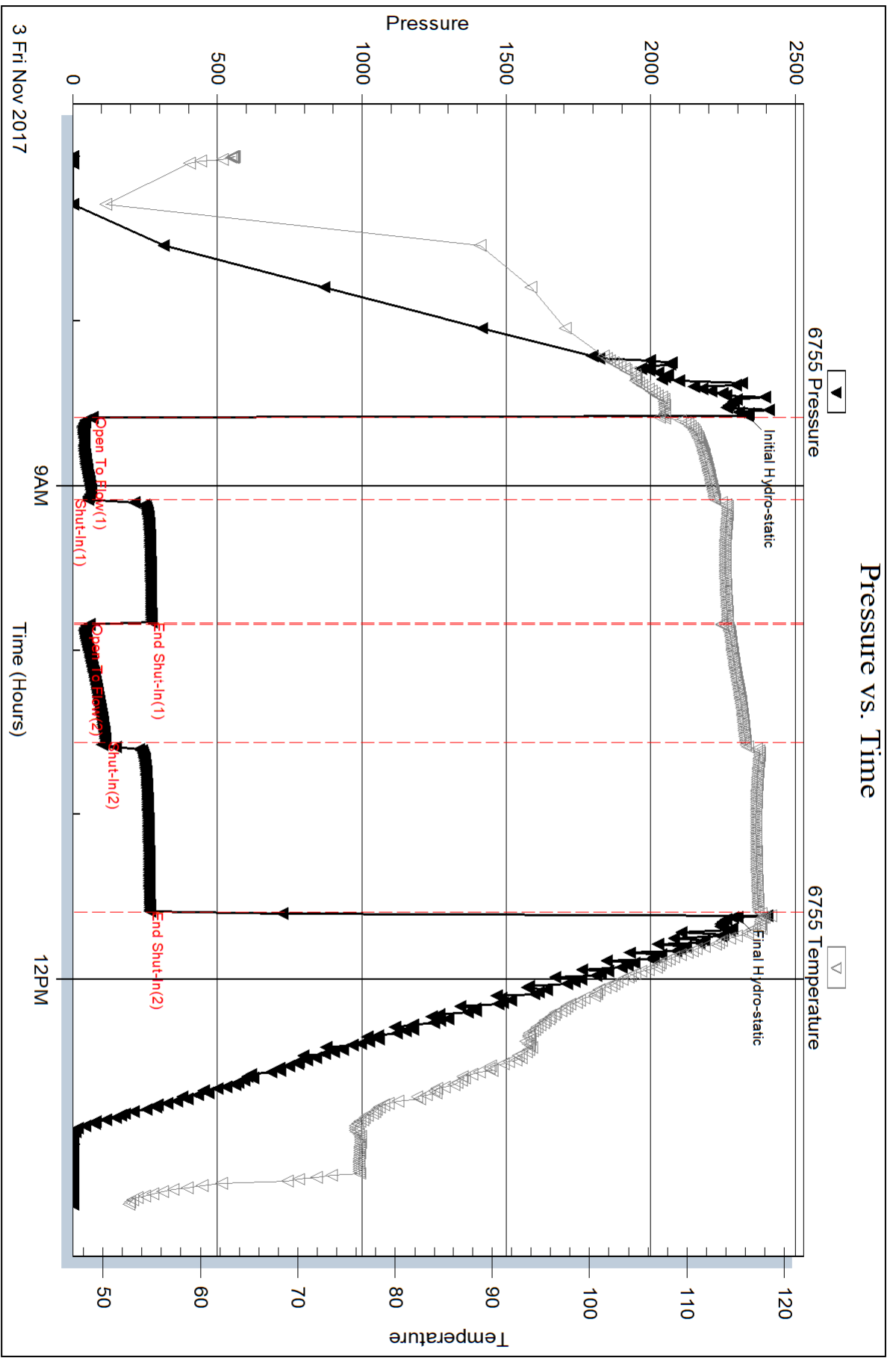
Temperature: 59 (deg F)

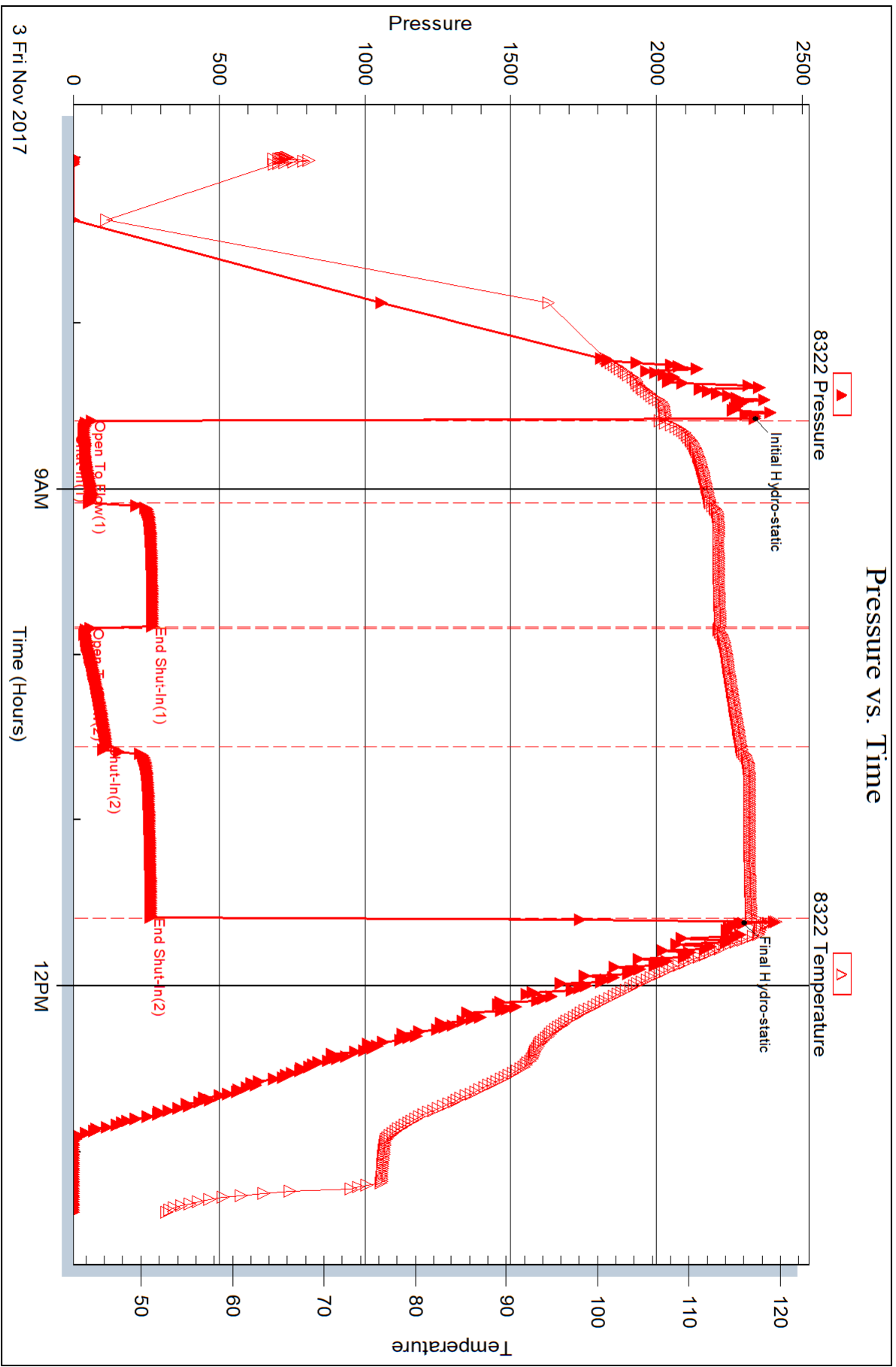
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.13	10.00	9.13
1	10	0.13	10.00	9.13
1	20	0.13	22.00	13.62
1	30	0.13	37.00	19.24
2	10	0.13	32.00	17.37
2	20	0.13	50.00	24.10
2	30	0.13	65.00	29.72
2	40	0.13	80.00	35.33
2	45	0.13	85.00	37.20







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Schuette #6-36

36-31S-16W Comanche,KS

Start Date: 2017.11.04 @ 02:01:00

End Date: 2017.11.04 @ 07:07:17

Job Ticket #: 62081 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.08 @ 15:23:38



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Luke Thompson

36-31S-16W Comanche,KS
Schuette #6-36
 Job Ticket: 62081 **DST#: 4**
 Test Start: 2017.11.04 @ 02:01:00

GENERAL INFORMATION:

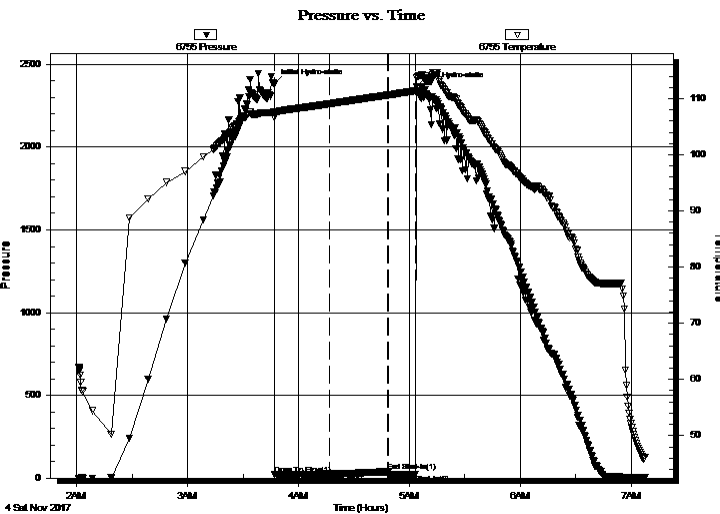
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:47:02
 Time Test Ended: 07:07:17
 Interval: **4797.00 ft (KB) To 4825.00 ft (KB) (TVD)**
 Total Depth: 4825.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6755

Inside

Press@RunDepth: 24.84 psig @ 4821.00 ft (KB) Capacity: psig
 Start Date: 2017.11.04 End Date: 2017.11.04 Last Calib.: 2017.11.04
 Start Time: 02:01:01 End Time: 07:07:17 Time On Btm: 2017.11.04 @ 03:46:47
 Time Off Btm: 2017.11.04 @ 05:03:47

TEST COMMENT: IFP 30 Minutes Blow built to 1/2" then died after 25 minutes
 ISI 30 Mintues No blow back
 FFP 15 Minutes Surface blow died in 4 minutes 15 minutes pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2380.68	107.57	Initial Hydro-static
1	22.87	106.61	Open To Flow (1)
30	24.84	109.08	Shut-In(1)
62	39.11	110.61	End Shut-In(1)
62	17.09	110.62	Open To Flow (2)
77	21.95	111.43	Shut-In(2)
77	2366.09	113.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.28

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: Luke Thompson

36-31S-16W Comanche,KS
Schuette #6-36
 Job Ticket: 62081 **DST#: 4**
 Test Start: 2017.11.04 @ 02:01:00

GENERAL INFORMATION:

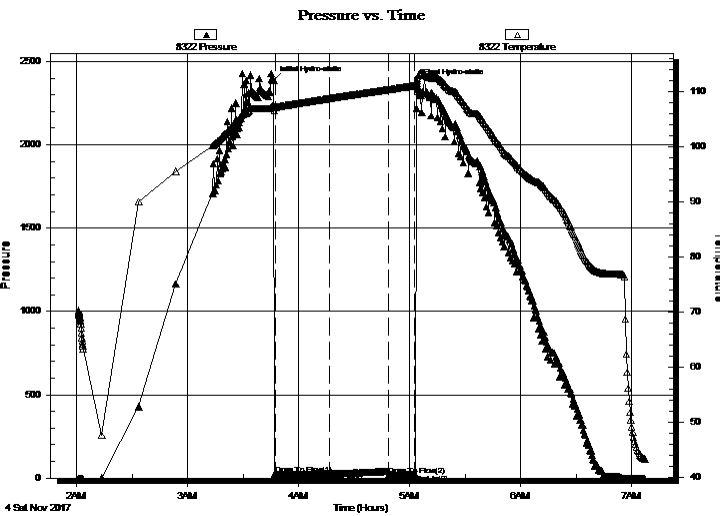
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:47:02
 Time Test Ended: 07:07:17
 Interval: **4797.00 ft (KB) To 4825.00 ft (KB) (TVD)**
 Total Depth: 4825.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8322

Outside

Press@RunDepth: psig @ 4822.00 ft (KB) Capacity: psig
 Start Date: 2017.11.04 End Date: 2017.11.04 Last Calib.: 2017.11.04
 Start Time: 02:01:01 End Time: 07:07:17 Time On Btm: 2017.11.04 @ 03:46:32
 Time Off Btm: 2017.11.04 @ 05:03:47

TEST COMMENT: IFP 30 Minutes Blow built to 1/2" then died after 25 minutes
 ISI 30 Mintues No blow back
 FFP 15 Minutes Surface blow died in 4 minutes 15 minutes pull test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2384.82	107.53	Initial Hydro-static
1	21.58	107.20	Open To Flow (1)
31	25.23	108.85	Shut-In(1)
62	16.82	110.42	Open To Flow (2)
77	22.64	111.15	Shut-In(2)
78	2368.81	112.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62081

DST#: 4

ATTN: Luke Thompson

Test Start: 2017.11.04 @ 02:01:00

Tool Information

Drill Pipe:	Length: 4787.00 ft	Diameter: 3.80 inches	Volume: 67.15 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 78000.00 lb
			<u>Total Volume: 67.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4797.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4775.00	
Hydraulic tool	5.00			4780.00	
Jars	5.00			4785.00	
Safety Joint	2.00			4787.00	
Packer - Shale	5.00			4792.00	
Packer	5.00			4797.00	27.00 Bottom Of Top Packer
Anchor	23.00			4820.00	
Recorder	1.00	6755	Inside	4821.00	
Recorder	1.00	8322	Outside	4822.00	
Bullnose	3.00			4825.00	28.00 Anchor Tool
Total Tool Length:	55.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62081

DST#: 4

ATTN: Luke Thompson

Test Start: 2017.11.04 @ 02:01:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

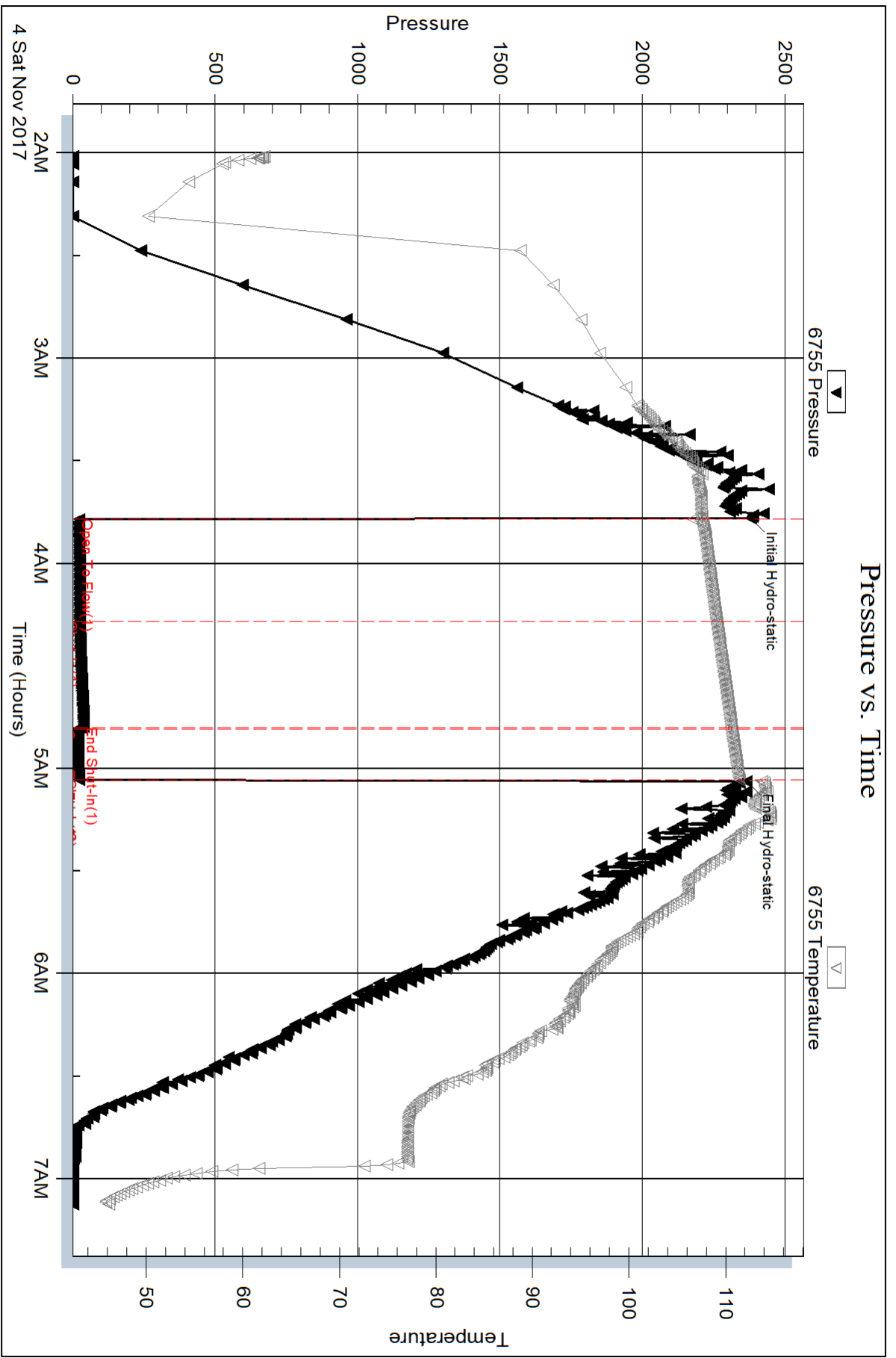
Num Gas Bombs: 0

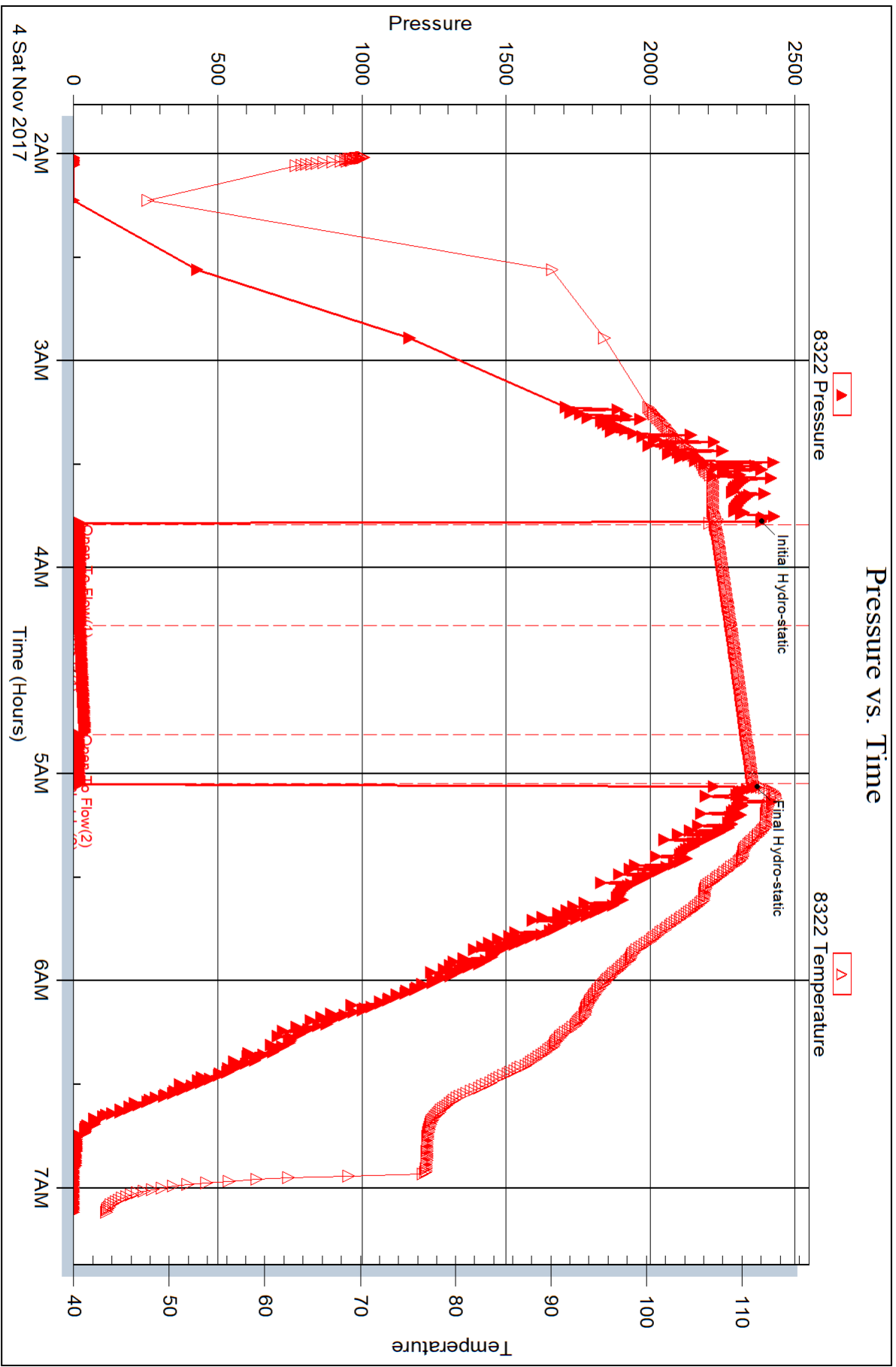
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Schuette #6-36

36-31S-16W Comanche,KS

Start Date: 2017.11.04 @ 15:39:00

End Date: 2017.11.04 @ 22:27:02

Job Ticket #: 62082 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.08 @ 15:16:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Luke Thompson

36-31S-16W Comanche,KS

Schuette #6-36

Job Ticket: 62082 **DST#: 5**

Test Start: 2017.11.04 @ 15:39:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:17:02
 Time Test Ended: 22:27:02
 Interval: **4798.00 ft (KB) To 4841.00 ft (KB) (TVD)**
 Total Depth: 4841.00 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: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

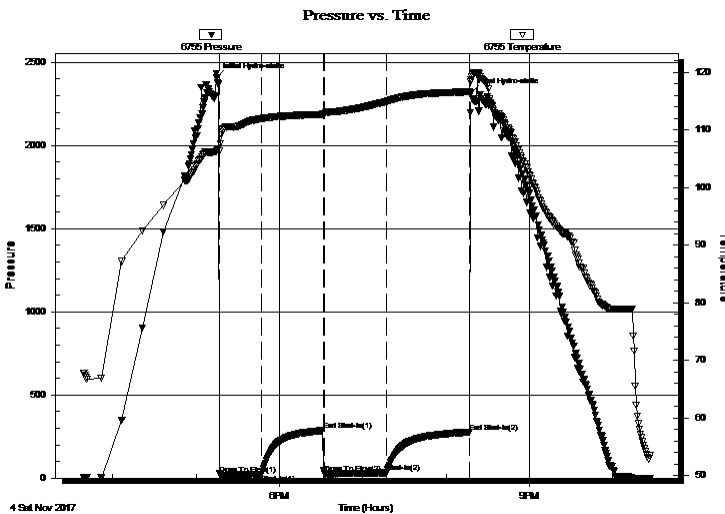
Serial #: 6755

Inside

Press@RunDepth: 32.06 psig @ 4837.00 ft (KB) Capacity: psig
 Start Date: 2017.11.04 End Date: 2017.11.04 Last Calib.: 2017.11.04
 Start Time: 15:39:01 End Time: 22:27:02 Time On Btm: 2017.11.04 @ 17:15:02
 Time Off Btm: 2017.11.04 @ 20:18:02

TEST COMMENT: IFP 30 Minutes/ Blow built to BOB in 8 1/2 minutes
 ISI 45 Minutes/ No blow back
 FFP 45 Minutes/ Blow built to BOB in 1 minute
 FSI 60 Minutes/ No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2406.91	106.34	Initial Hydro-static
2	25.64	106.26	Open To Flow (1)
32	24.47	111.94	Shut-In(1)
77	285.75	112.70	End Shut-In(1)
78	25.99	112.84	Open To Flow (2)
122	32.06	114.91	Shut-In(2)
183	276.94	116.65	End Shut-In(2)
183	2318.98	118.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.70
0.00	310' 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: Luke Thompson

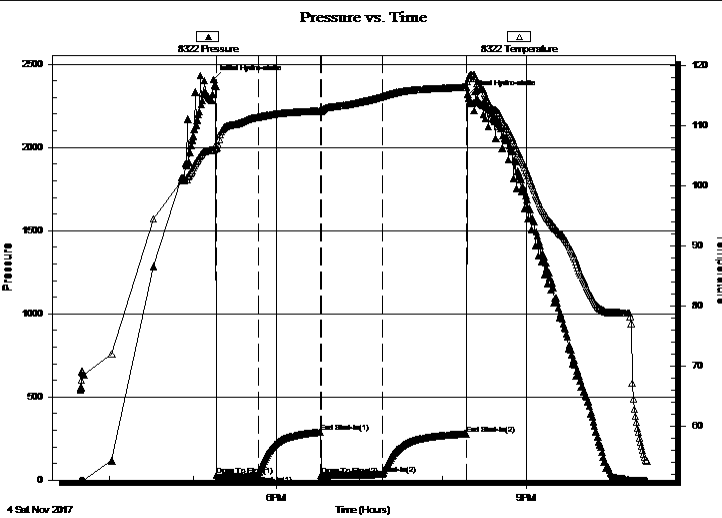
36-31S-16W Comanche, KS
Schuette #6-36
 Job Ticket: 62082 **DST#: 5**
 Test Start: 2017.11.04 @ 15:39:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:17:02
 Time Test Ended: 22:27:02
 Interval: **4798.00 ft (KB) To 4841.00 ft (KB) (TVD)**
 Total Depth: 4841.00 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: 1947.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8322 Outside
 Press@RunDepth: 277.37 psig @ 4838.00 ft (KB) Capacity: psig
 Start Date: 2017.11.04 End Date: 2017.11.04 Last Calib.: 2017.11.04
 Start Time: 15:39:01 End Time: 22:27:02 Time On Btm: 2017.11.04 @ 17:15:02
 Time Off Btm: 2017.11.04 @ 20:18:32

TEST COMMENT: IFP 30 Minutes/ Blow built to BOB in 8 1/2 minutes
 ISI 45 Minutes/ No blow back
 FFP 45 Minutes/ Blow built to BOB in 1 minute
 FSI 60 Minutes/ No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2407.09	106.04	Initial Hydro-static
2	27.41	106.22	Open To Flow (1)
32	26.40	111.42	Shut-In(1)
77	287.23	112.47	End Shut-In(1)
78	26.45	112.42	Open To Flow (2)
122	34.69	114.87	Shut-In(2)
183	277.37	116.44	End Shut-In(2)
184	2315.97	117.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Mud 100%	0.70
0.00	310' 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.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62082

DST#: 5

ATTN: Luke Thompson

Test Start: 2017.11.04 @ 15:39:00

Tool Information

Drill Pipe:	Length: 4789.00 ft	Diameter: 3.80 inches	Volume: 67.18 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 67.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4798.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4776.00	
Hydraulic tool	5.00			4781.00	
Jars	5.00			4786.00	
Safety Joint	2.00			4788.00	
Packer - Shale	5.00			4793.00	
Packer	5.00			4798.00	27.00 Bottom Of Top Packer
Anchor	38.00			4836.00	
Recorder	1.00	6755	Inside	4837.00	
Recorder	1.00	8322	Outside	4838.00	
Bullnose	3.00			4841.00	43.00 Anchor Tool
Total Tool Length:	70.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuetz #6-36

Job Ticket: 62082

DST#: 5

ATTN: Luke Thompson

Test Start: 2017.11.04 @ 15:39:00

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	Mud 100%	0.701
0.00	310' GIP	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

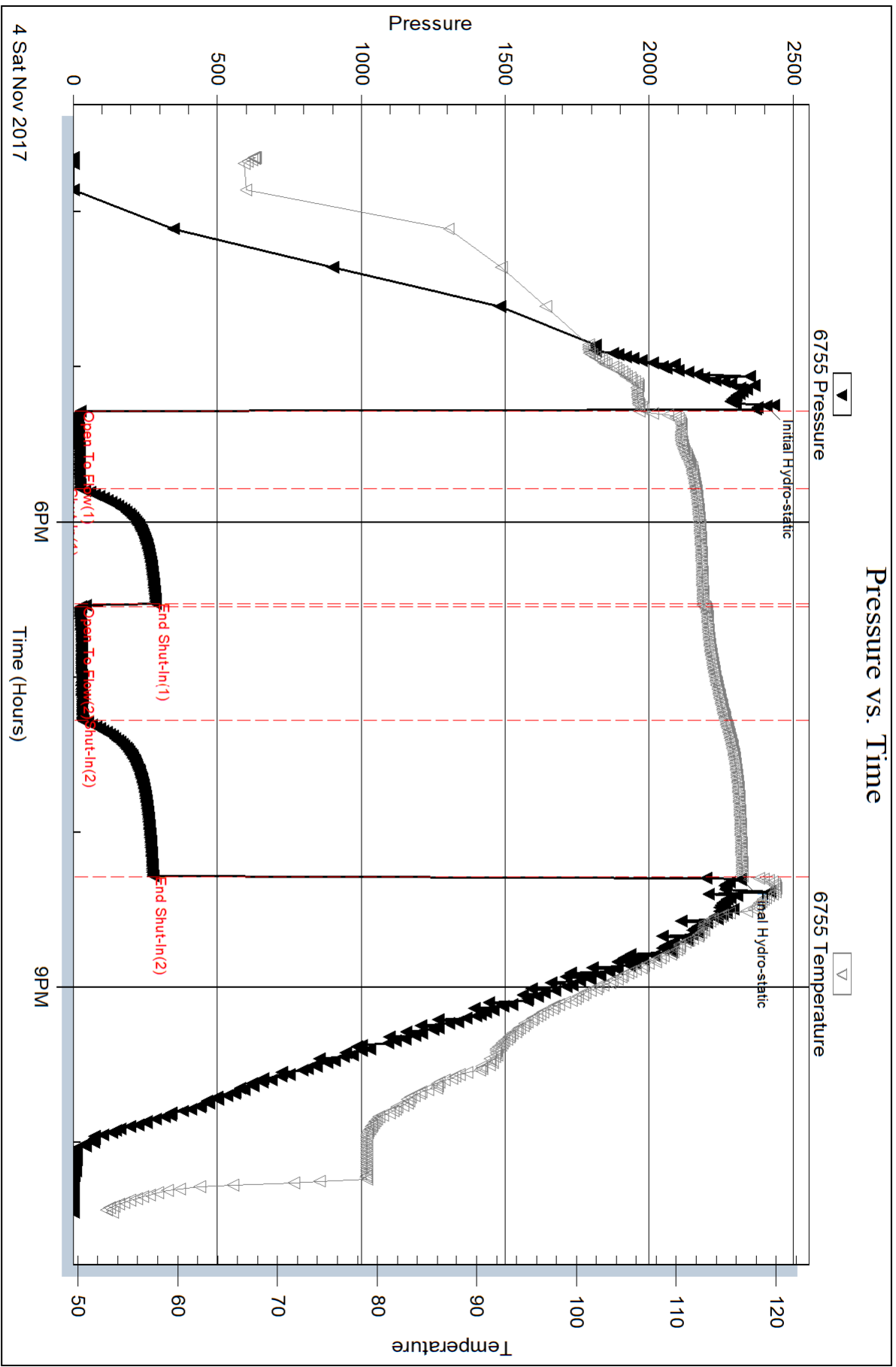
Serial #: 6755

Inside

American Warrior Inc.

Schuette #6-36

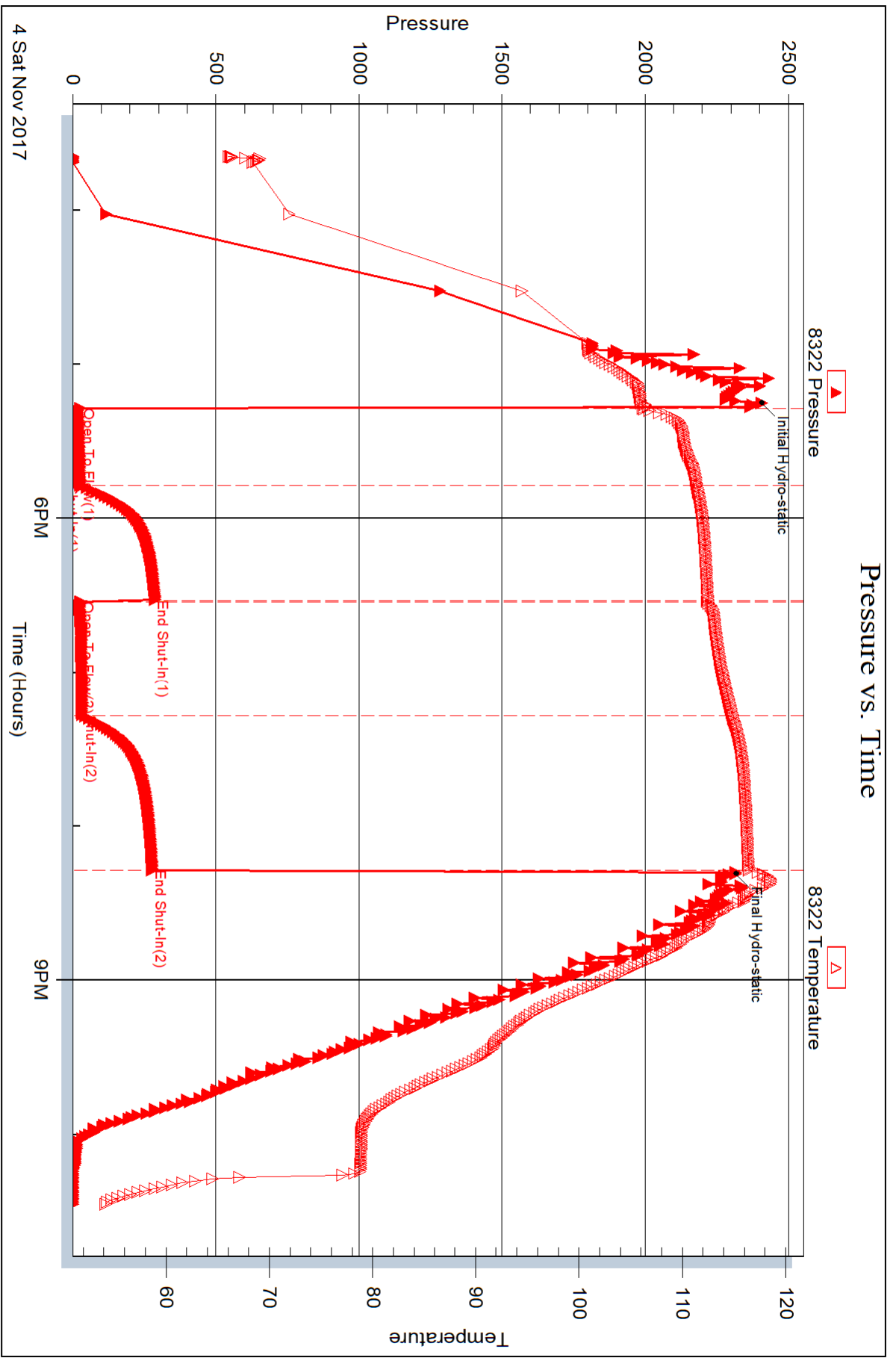
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 62082

Printed: 2017.11.08 @ 15:17:01





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Schuette #6-36

36-31S-16W Comanche,KS

Start Date: 2017.11.06 @ 10:15:00

End Date: 2017.11.06 @ 17:01:02

Job Ticket #: 62083 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.11.08 @ 15:15:53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62083

DST#: 6

ATTN: Luke Thompson

Test Start: 2017.11.06 @ 10:15:00

Tool Information

Drill Pipe:	Length: 5073.00 ft	Diameter: 3.80 inches	Volume: 71.16 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 71.16 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	5075.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	35.00 ft				
Tool Length:	62.00 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			5053.00	
Hydraulic tool	5.00			5058.00	
Jars	5.00			5063.00	
Safety Joint	2.00			5065.00	
Top Packer	5.00			5070.00	
Packer	5.00			5075.00	27.00 Bottom Of Top Packer
Anchor	30.00			5105.00	
Recorder	1.00	6755	Inside	5106.00	
Recorder	1.00	8322	Outside	5107.00	
Bullnose	3.00			5110.00	35.00 Anchor Tool
Total Tool Length:	62.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

36-31S-16W Comanche,KS

PO Box 399
Garden City, KS 67846

Schuette #6-36

Job Ticket: 62083

DST#: 6

ATTN: Luke Thompson

Test Start: 2017.11.06 @ 10:15:00

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:

52000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MW Mud 30% Water 70%	2.525

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0

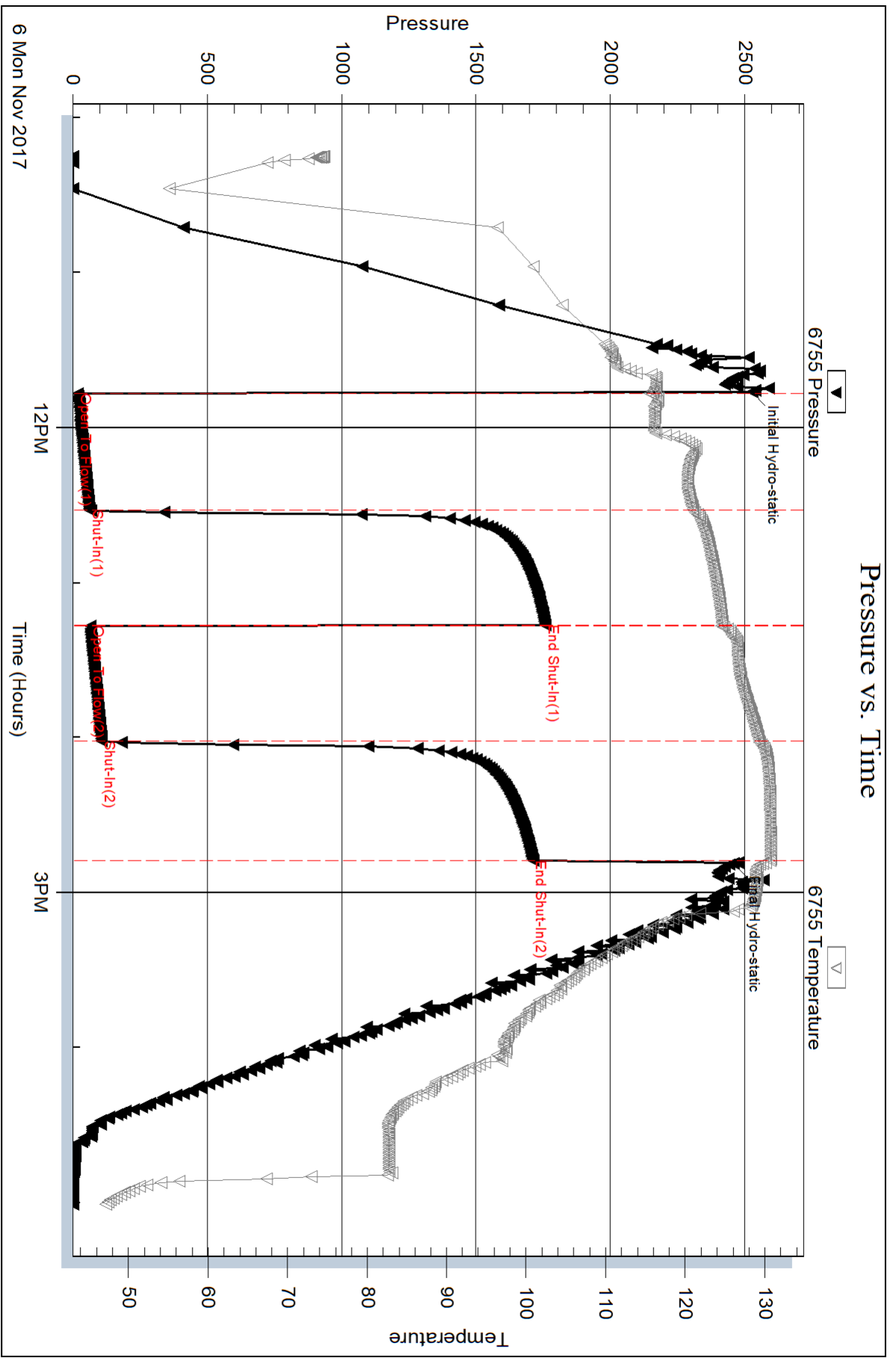
Num Gas Bombs: 0

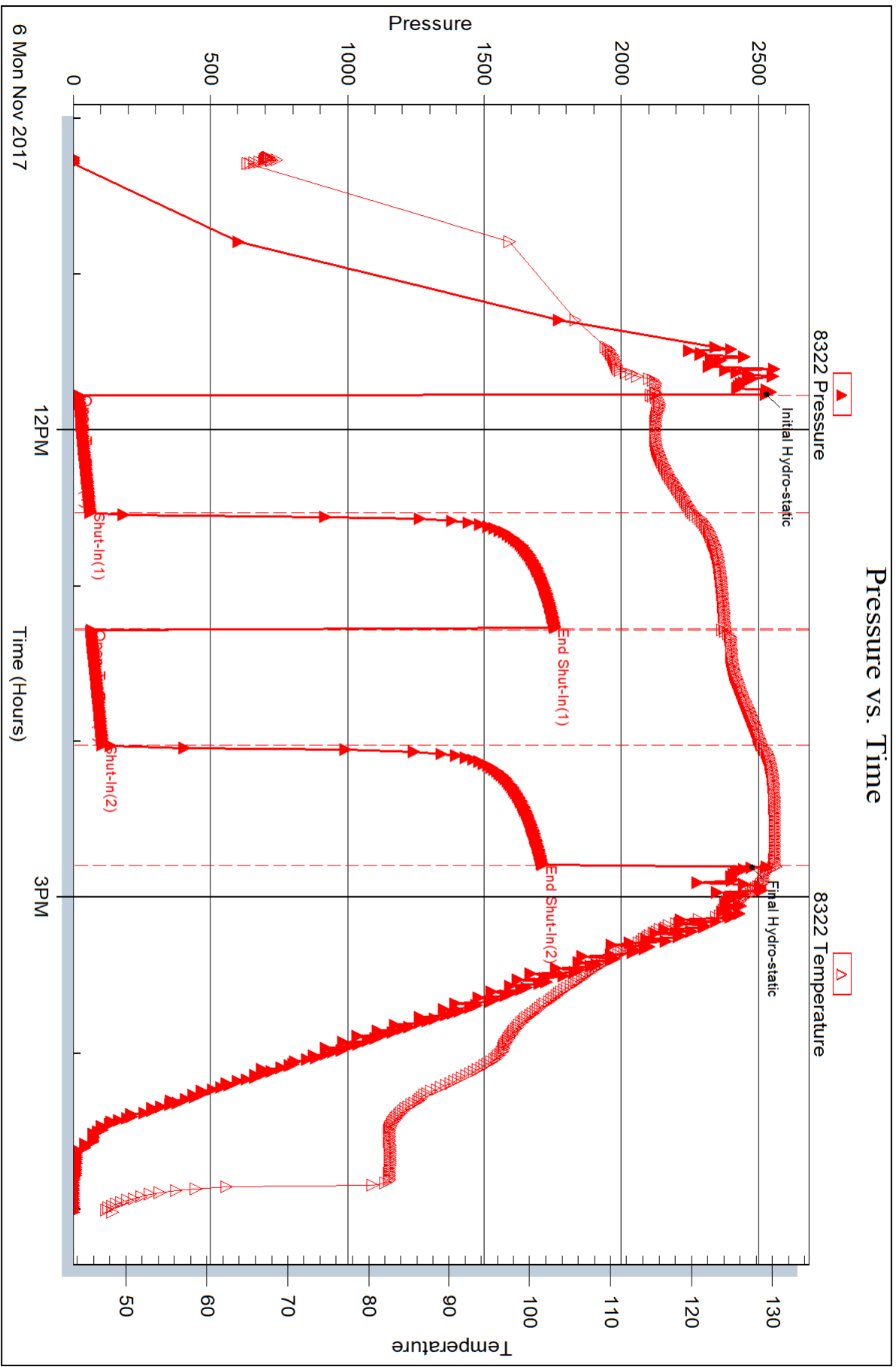
Serial #:

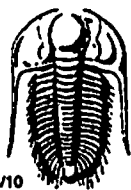
Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .205 ohms @ 51 deg.







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62078

Well Name & No. Schuette #6-36 Test No. 1 Date 31 OCT 17
 Company American Warrior Inc. Elevation 1947 KB 1935 GL
 Address 3118 Cummings Rd PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Luke Thompson Rig Duke Rig 1
 Location: Sec. 36 Twp. 31S Rge. 16W Co. Comanch State KS

Interval Tested 4232-4250 Zone Tested Tonganoxic
 Anchor Length 18 Drill Pipe Run 4271 Mud Wt. 8.9
 Top Packer Depth 4227 Drill Collars Run - Vis 48
 Bottom Packer Depth 4232 Wt. Pipe Run - WL 8.8
 Total Depth 4250 Chlorides 4000 ppm System LCM 14 #

Blow Description I.F. Blow built to B.O.B in 8 minutes
I.S.I. 6" Blow back
F.F. Blow built to BOB in 5 minutes
F.S.I. Blow back built to BOB in 5 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Mud cut gassy emulsified oily water</u>	<u>10</u>	<u>10</u>	<u>75</u>	<u>5</u>
<u>62</u>	<u>Gas cut emulsified mud</u>	<u>5</u>	<u>25</u>	<u>%</u>	<u>75</u>
<u>310</u>	<u>Gassy muddy emulsified oily water</u>	<u>20</u>	<u>30</u>	<u>30</u>	<u>20</u>
<u>2728</u>	<u>GIIP</u>	<u>100</u>	<u>%</u>	<u>%</u>	<u>%</u>
		<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>

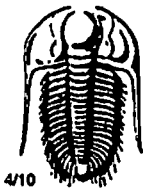
Rec Total 434 BHT 120 Gravity _____ API RW .50 @ 40 °F Chlorides 27,000 ppm

(A) Initial Hydrostatic <u>1991</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>9:17 am</u>
(B) First Initial Flow <u>60</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>3:27 pm</u>
(C) First Final Flow <u>105</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>5:31 pm</u>
(D) Initial Shut-In <u>1331</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>4:31 pm</u>
(E) Second Initial Flow <u>122</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>10:58 pm</u>
(F) Second Final Flow <u>184</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> ⁹⁰	Comments _____
(G) Final Shut-In <u>1167</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1956</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1815</u>
	Sub Total <u>1815</u>	MP/DST Disc't _____

Approved By _____

Our Representative _____

TriLOBITE Testing Inc. shall not be liable for damaged or 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. 62079

Well Name & No. Schuetz #6-36 Test No. 2 Date 2 NOV 17
 Company American Warrior Inc Elevation 1947 KB 1935 GL
 Address 3118 Cummings Road PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Luke Thompson Rig Duke Rig 1
 Location: Sec. 36 Twp. 31S Rge. 16W Co. Comanche State KS

Interval Tested 4710-4755 Zone Tested Marmaton
 Anchor Length 45 Drill Pipe Run 4692 Mud Wt. 9.1
 Top Packer Depth 4705 Drill Collars Run — Vis 46
 Bottom Packer Depth 4710 Wt. Pipe Run — WL 9.2
 Total Depth 4755 Chlorides 5000 ppm System LCM 8#

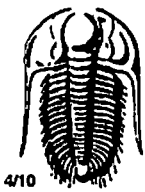
Blow Description I.F. Blow built to 6 inches
I.S.I. no blow back
F.F. Blow built to BOB in 19 minutes
F.S.I. no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud w/ show of oil</u>				<u>100</u>
<u>400</u>	<u>GFI</u>	<u>100</u>			

Rec Total BHT 117 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2291</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1:07 pm</u>
(B) First Initial Flow <u>13</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:39 pm</u>
(C) First Final Flow <u>17</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:13 pm</u>
(D) Initial Shut-In <u>190</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>5:58 pm</u>
(E) Second Initial Flow <u>14</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>8:14 pm</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> ⁹⁰	Comments <u>—</u>
(G) Final Shut-In <u>301</u>	<input type="checkbox"/> Sampler <u>—</u>	<input type="checkbox"/> Ruined Shale Packer <u>—</u>
(H) Final Hydrostatic <u>2255</u>	<input type="checkbox"/> Straddle <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Extra Copies <u>—</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer <u>—</u>	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder <u>—</u>	Total <u>1815.00</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby <u>—</u>	MP/DST Disc't <u>—</u>
	<input type="checkbox"/> Accessibility <u>—</u>	
	Sub Total <u>1815</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. 62080

Well Name & No. Schutte #6-36 Test No. 3 Date 3 NOV 17
 Company American Warrior Inc Elevation 1947 KB 1935 GL
 Address 3118 Cummings Road PO Box 379 Garden City, Kansas 67846
 Co. Rep / Geo. Luke Thompson Rig Duke Rig 1
 Location: Sec. 36 Twp. 315 Rge. 16W Co. Comanche State KS

Interval Tested 4744-4785 Zone Tested Pawnee
 Anchor Length 41 Drill Pipe Run 4724 Mud Wt. 9.1
 Top Packer Depth 4739 Drill Collars Run - Vis 46
 Bottom Packer Depth 4744 Wt. Pipe Run - WL 9.2
 Total Depth 4785 Chlorides 5000 ppm System LCM 8#

Blow Description I.F. Blow built to BOB in 45 sec. / Gas to surface 10 min
I.S.I. No blow back
F.F. Blow built to BOB in 10 seconds
F.S.I. Surface blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>55</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

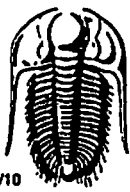
Rec Total 55 BHT 117 Gravity 1150 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic <u>2335</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>6:15 am</u>
(B) First Initial Flow <u>68</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:00 am</u>
(C) First Final Flow <u>54</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:35 am</u>
(D) Initial Shut-In <u>271</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>11:35 am</u>
(E) Second Initial Flow <u>56</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:27 pm</u>
(F) Second Final Flow <u>113</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> ⁹⁰	Comments
(G) Final Shut-In <u>266</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2298</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1815.00</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1815</u>	

Approved By [Signature]

Our Representative [Signature]

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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62081

Well Name & No. Schvette #6-36 Test No. 4 Date 4/10/17
 Company American Warrior Inc Elevation 1947 KB 1935 GL
 Address 3118 Cummings Road PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Luke Thompson Rig Duke Rig 1
 Location: Sec. 36 Twp. 31S Rge. 16W Co. Comanche State KS

Interval Tested 4797-4825 Zone Tested Mississippi
 Anchor Length ~~4797~~ 28 Drill Pipe Run 4797 Mud Wt. 9.2
 Top Packer Depth 4797 Drill Collars Run — Vis 56 lb
 Bottom Packer Depth 4797 Wt. Pipe Run — WL 8.8 1/2
 Total Depth 4825 Chlorides 5000 ppm System LCM 7#

Blow Description I.F. Blow built to 1/2 inch then died by 25 minutes
I.S.I. No blow back
F.F. Surface blow died in 9 minutes / 15 minutes pull test
E.S.I. NA

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>				<u>100%</u>

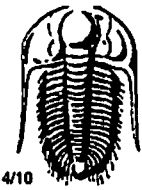
Rec Total 20 BHT 111 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2380</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location _____
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2:01 am</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:46 am</u>
(D) Initial Shut-In <u>39</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>5:01 am</u>
(E) Second Initial Flow <u>17</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>7:02 am</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> ⁹⁰	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2366</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>15</u>	<input type="checkbox"/> Day Standby _____	Total <u>1815.00</u>
Final Shut-In _____	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1815</u>	

Approved By _____

Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62082

Well Name & No. Schutte #6-36 Test No. 5 Date 4 NOV 17
 Company American Warrior Inc Elevation 1947 KB 1935 GL
 Address 3118 Cummings Road PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Luke Thompson Rig Duke Rig 1
 Location: Sec. 36 Twp. J15 Rge. 16W Co. Comanche State KS

Interval Tested 4798-4841 Zone Tested Mississippi
 Anchor Length 43 Drill Pipe Run 4789 Mud Wt. 9.1
 Top Packer Depth 4793 Drill Collars Run — Vis 49
 Bottom Packer Depth 4798 Wt. Pipe Run — WL 9.6
 Total Depth 4841 Chlorides 5000 ppm System LCM 5 1/2 #

Blow Description I.F. Blow built to BOB in 8 1/2 minutes
I.S.I. NO blow back
F.F. Blow built to BOB in 1 minute
F.S.I. NO blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>Mud</u>			<u>100</u>	
<u>310</u>		<u>100</u>			

Rec Total 50 BHT 116 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2406 Test 1150 T-On Location 2:50 pm
 (B) First Initial Flow 25 Jars 250 T-Started 3:39 pm
 (C) First Final Flow 24 Safety Joint 75 T-Open 5:16 pm
 (D) Initial Shut-In 285 Circ Sub _____ T-Pulled 8:16 pm
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 10:27 pm
 (F) Second Final Flow 32 Mileage 120 90
 (G) Final Shut-In 276 Sampler _____
 (H) Final Hydrostatic 2318 Straddle _____
 Shale Packer 250
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

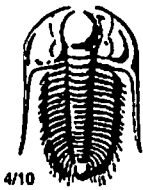
Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Sub Total 1815

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1815.00
 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62083

Well Name & No. Schuette #6-36 Test No. 6 Date 6 NOV 17
 Company American Warrior Inc. Elevation 1947 KB 1935 GL
 Address 3118 Cummings Road PO Box 399 Garden City Kansas 67846
 Co. Rep/Geo. Luke Thompson Rig Duke Rig 2
 Location: Sec. 36 Twp. 315 Rge. 16W Co. Gomanche State KS

Interval Tested 5075 - 5110 Zone Tested Viola
 Anchor Length 35 Drill Pipe Run 5073 Mud Wt. 9.3
 Top Packer Depth 5070 Drill Collars Run — Vis 55
 Bottom Packer Depth 5075 Wt. Pipe Run — WL 9.4
 Total Depth 5110 Chlorides 5000 ppm System LCM 6#

Blow Description I.F. Blow built to 6 inches
I.S.I. No blow back
F.F. Light surface blow died in 10 minutes
F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>180</u>	<u>Muddy Water</u>			<u>70%</u>	<u>30%</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 180 BHT 130 Gravity _____ API RW 205 @ 57 °F Chlorides 52000 ppm

(A) Initial Hydrostatic <u>2526</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>9:13 am</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:15 am</u>
(C) First Final Flow <u>61</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>11:47 am</u>
(D) Initial Shut-In <u>1757</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2:47 pm</u>
(E) Second Initial Flow <u>66</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>5:01 pm</u>
(F) Second Final Flow <u>106</u>	<input checked="" type="checkbox"/> Mileage <u>120</u> ⁹⁰	Comments _____
(G) Final Shut-In <u>1712</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2456</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total _____
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____	

Approved By [Signature]

Our Representative [Signature]

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Geological Report

American Warrior, Inc.

Schuette #6-36

335' FSL & 335' FWL

Sec 36, T31s, R16w

Comanche County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Schuette #6-36
335' FSL & 335' FWL
Sec. 36, T31s, R16w
Comanche County, Kansas
API # 15-033-21780-00-00

Drilling Contractor: Duke Drilling Rig #1

Geologist: Luke Thompson

Spud Date: October 26, 2017

Completion Date: November 8, 2017

Elevation 1936' G.L.
1947' K.B.

Directions: From the North side of Coldwater, KS at the intersection of Hwy 160 & Hwy 183 – Now go 16.5 miles East on Hwy 160 to ingress stake North into – Now go approximately 1.9 miles North following trail to ingress stake South into at a Y in the trail – Now go approximately 1200'/0.22 miles South through pasture into staked location

Casing: 242' 13 3/8" Surface Casing

Samples: 4000' to RTD 10' Wet & Dry

Drilling Time: 2500' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"
Full Sweep

Drillstem Tests: Six-Trilobite Testing "Ken Swinney"

Problems: Lost Circulation drilling surface

Formation Tops

Schuette #6-36

Sec. 36, T31s, R16w

335' FSL & 335' FWL

Cottonwood	2848 -901
Howard	3552 -1605
Heebner	4058 -2111
Douglas	4116 -2169
Tonganoxie	4228 -2281
Lansing	4238 -2291
BKC	4632 -2685
Marmaton	4696 -2749
Pawnee	4766 -2819
Cherokee	4800 -2853
Miss	4806 -2859
Kinderhook	4976 -3029
Viola	5074 -3127
Simpson	5275 -3328
Arbuckle	5356 -3409
LTD	5427 -3480

Sample Zone Descriptions

Tonganoxie (4234' -2287): Covered in DST #1

Sandstone, quartz, clear/white/grey, fine grain, sub-round, semi-spherical, fair to well sorted, scat mica flakes, fair inter-crystalline porosity, good odor, fair stain, fair to poor saturation, fair to good show of free oil, spotty gold fluorescence, good flush cut. Gas 170 units hotwire.

Marmaton (4730' -2783): Covered in DST #2

Limestone, tan/cream, fine crystalline, coral fragments, fair intra-granular porosity, scat pinpoint vuggy porosity, fair odor, fair stain and saturation, fair show of free oil, good gold fluorescence throughout, good flush cut. No gas due to software expiration.

Pawnee (4770' -2823): Covered in DST #3

Limestone, tan, fine crystalline, scattered sub oolitic, scattered sucrosic recrystallization, poor inter-crystalline and pinpoint vuggy porosity, fair fleeting odor, oil skim on cup, few pieces poor stain and saturation, poor show of free oil, good gold fluorescence, fair to good stream cut. Gas 65 units hotwire.

Mississippian (4810' -2863): Covered in DST #4

Chert, variegated white/brown/grey, opaque, some fresh, some weathered, scattered Dolomite, brown, sucrosic, recrystallization in fractures and vugs, slight odor, fair stain, poor saturation, poor show of free oil, good bright green spotty fluorescence, poor slow stream cut. Shale, grey/aqua/red, smooth. Gas 50 units hotwire.

Mississippian (4830' -2883): Covered in DST #5

Chert, variegated white/brown/grey, opaque, some fresh, some weathered, Dolomite, brown, sucrosic, fair inter-crystalline porosity, good odor, fair stain and saturation, good show of free oil (oil floating in cup), spotty gold/green fluorescence throughout, fair stream cut. Shale, grey/aqua/red, slightly silty, occasional pyrite. Gas 65 units hotwire.

Viola (5090' -3148): Covered in DST #6

Dolomite, tan/white/cream, crystalline, sucrosic, scattered chalky, occasional pyrite, fair inter-crystalline porosity, no odor, (10-20%) scattered poor stain, very poor to no saturation, very poor show of free oil, scattered spotty gold/green fluorescence, very poor slow stream cut. Chert, white/grey, occasional fossil and pyrite. Gas 40 units hotwire.

Drill Stem Tests

Trilobite Testing
"Ken Swinney"

DST #1

Tonganoxie Sand

Interval (4232' – 4250') Anchor Length 18'

IHP - 1991 #

IFP - 30" – BOB 8 min

ISI - 45" – Built to 6"

FFP - 45" – BOB 5 min

FSIP - 60" – BOB 5 min

FHP - 1957 #

BHT - 118° F

Recovery: 2728' GIP

310' GMOW 30% O (Emulsified) 20% G

62' GCOM 25% O (Emulsified) 5% G

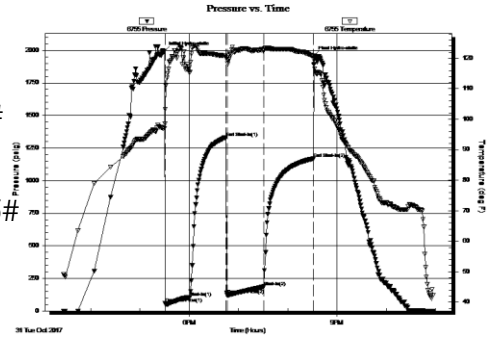
62' MCGOW 10% O (Emulsified) 5% G

61-106#

1332#

123-185#

1168#



DST #2

Marmaton

Interval (4710' – 4755') Anchor Length 45'

IHP - 2291 #

IFP - 30" – Built to 6"

ISI - 30" – No Return

FFP - 45" – BOB 19 min

FSIP - 60" – No Return

FHP - 2256 #

BHT - 118° F

Recovery: 400' GIP

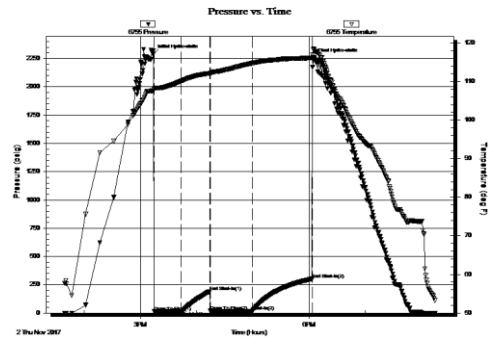
M w/show of oil

14-17#

191#

14-18#

302#



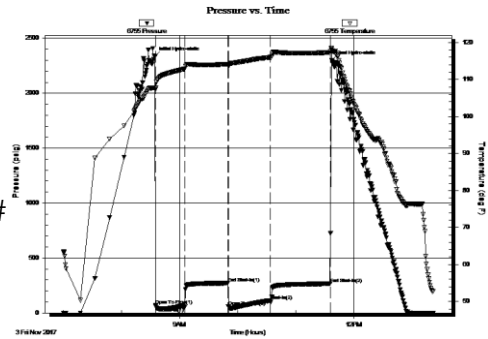
DST #3

Pawnee

Interval (4744' – 4785') Anchor Length 41'

- IHP - 2335 #
- IFP - 30" – BOB 45 sec 69-54#
- ISI - 45" – No Return 271#
- FFP - 45" – BOB 10 sec 56-113#
- FSIP - 60" – WSB 266#
- FHP - 2299 #
- BHT - 118° F

Recovery: GTS 10 min
55' M



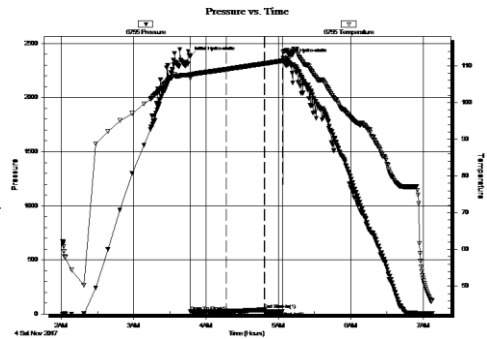
DST #4

Mississippian

Interval (4797' – 4825') Anchor Length 28'

- IHP - 2381 #
- IFP - 30" – Built 1/2" dead 25 min 23-25#
- ISI - 30" – No Return 39#
- FFP - 15" – WSB dead 4 min 17-22#
- FSIP - Pulled Test n/a
- FHP - 2366 #
- BHT - 114° F

Recovery: 20' M



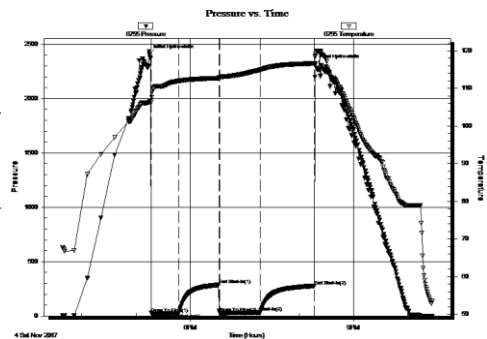
DST #5

Mississippian

Interval (4798' – 4841') Anchor Length 43'

- IHP - 2407 #
- IFP - 30" – BOB 8.5 min 26-24#
- ISI - 45" – No Return 286#
- FFP - 45" – BOB 1 min 26-32#
- FSIP - 60" – No Return 277#
- FHP - 2319 #
- BHT - 119° F

Recovery: 310' GIP
50' M



DST #6

Viola

Interval (5075' – 5110') Anchor Length 35'

IHP - 2526 #

IFP - 45" – Built to 6"

ISI - 45" – No Return

FFP - 45" – WSB dead in 10 min

FSIP - 45" – No Return

FHP - 2456 #

BHT - 130° F

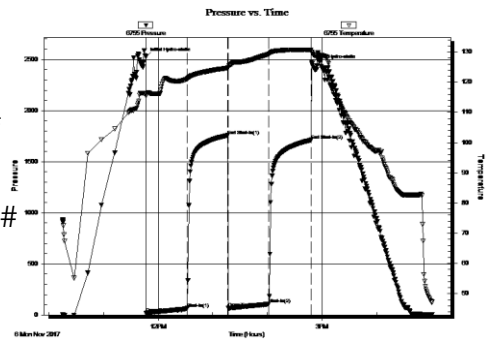
Recovery: 180' MW

19-62#

1758#

66-107#

1712#



Structural Comparison

<u>Formation</u>	American Warrior, Inc. Schuette #6-36 Sec. 36, T31s, R16w 335' FSL & 335' FWL			American Warrior, Inc. Schuette #3 Sec. 36, T31s, R16w 1249' FSL & 3889' FEL			American Warrior, Inc. Schuette #1 Sec. 36, T31s, R16w 1320' FSL & 1320' FEL	
Cottonwood	2848	-901	-3	2892	-898	-2	2881	-899
Howard	3552	-1605	-15	3584	-1590	-17	3570	-1588
Heebner	4058	-2111	+1	4106	-2112	+1	4094	-2112
Douglas	4116	-2169	+7	4170	-2176	-9	4142	-2160
Tonganoxie	4228	-2281	+5	4280	-2286	+5	4268	-2286
Lansing	4238	-2291	-2	4283	-2289	0	4273	-2291
BKC	4632	-2685	0	4679	-2685	-7	4660	-2678
Marmaton	4696	-2749	-3	4740	-2746	-6	4725	-2743
Pawnee	4766	-2819	-9	4804	-2810	-5	4796	-2814
Cherokee	4800	-2853	-11	4836	-2842	-5	4830	-2848
Miss	4806	-2859	-13	4840	-2846	-6	4835	-2853
Kind	4976	-3029						
Viola	5074	-3127						
Simpson	5275	-3328						
Arbuckle	5356	-3409						

Summary

The location for the Schuette #6-36 well was found via 3-D seismic survey. The new well ran structurally as expected. Six drill stem tests were conducted, none of which recovered commercial quantities of oil or gas. After all the gathered data had been examined, the decision was made to plug and abandon the Schuette #6-36.

Respectfully Submitted,

Lukas Thompson,

American Warrior, Inc.



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

TICKET 30535

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Hays, KS</u>	WELL/PROJECT NO. <u>6-36</u>	LEASE <u>Schnelke</u>	COUNTY/PARISH <u>Comanche</u>	STATE <u>KS</u>	CITY	DATE <u>10/26/17</u>	OWNER
2. <u>Ness City, KS</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Duke Drilling Co, Inc</u>	RIG NAME/NO. <u>Rig #1</u>	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>New</u>	JOB PURPOSE <u>Cmt Conductor Pipe</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
575		1			MILEAGE # <u>113</u>	110	mi			5.00	550.00	
5765		1			Pump Charge - Shallow Surface	1	EA			800.00	800.00	
290		1			D-Air	3	gal			42.00	126.00	
325		2			Standard Cement	225	SKS	21150	lbs	12.25	2756.25	
278		2			Calcium Chloride 3%	10	SKS	500	lbs	40.00	400.00	
279		2			Bentonite Gel 2%	4	SKS	400	lbs	25.00	100.00	
581		2			Service Charge Cement	225	SKS	22050	lbs	1.50	337.50	
583		2			Drayage	110	mi	1212.75	TM	0.75	909.56	
											PAGE TOTAL	5979.31

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 Mike [Signature]
 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	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	5979.31
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?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	6199.16
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

Comanche
6-5-10
219.85

JOB LOG

SWIFT Services, Inc.

DATE 10/26/17 PAGE NO. 1

CUSTOMER **AWI** WELL NO. **10-310** LEASE **Schnelte** JOB TYPE **Cmt Conductor** TICKET NO. **30635**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1200							On location, Rig Unloading Pipe still need to Drill 22'
								13 3/8" x 54 1/2# - 227' 225 SKS Std Cmt w/ 20% gel, 30% GC 15' x 8 5/8" Landing Jt.
	1340							Rig Running 13 3/8" pipe
	1450							Fin Running Pipe
	1715							Break Circulation
	1735							Hook up to Swift
	1740	3						Start H ₂ O Ahead
		3	5			100		Fin H ₂ O, Start Cement
	1800	4	54 1/2			Vac		Fin Cement, Start Displacement.
	1810	4	34 1/4			200		Fin Displacement Circ. Cement to Surface
	1815					200		Close in, Release
	1820							Wash up truck
	1830							Rack up,
	1835							Job Complete
								Thanks, Jan, Austin, Kirby

QUALITY WELL SERVICE, INC.

6751

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410

Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	11-8-17	Sec.	36	Twp.	31	Range	16	County	Comanche	State	KS	On Location	12:00	Finish	4:30
Lease	Schuette	Well No.	6-36			Location Medicine Lodge 25W on 160 N. Winto									
Contractor	Duke 1							Owner							
Type Job	Rotary Plug							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	7 7/8							T.D.							
Csg.	4.5 Drill Pipe							Charge To American Warrior							
Tbg. Size								Depth							
Tool								Street							
Cement Left in Csg.								Depth							
Meas Line								City State							
							The above was done to satisfaction and supervision of owner agent or contractor.								
							Displace								
							Cement Amount Ordered 220 sy 60/40 4% Gel								
EQUIPMENT															
Pumptrk	8	No.	David			Common 135									
Bulktrk	9	No.	Mike			Poz. Mix 85									
Bulktrk		No.				Gel. 8									
Pickup		No.				Calcium									
JOB SERVICES & REMARKS															
Rat Hole 30sx							Hulls								
Mouse Hole 20sx							Salt								
Centralizers							Flowseal								
Baskets							Kol-Seal								
D/V or Port Collar							Mud CLR 48								
1 st Pumped 50sx 60/40 4% Gel @ 542.5'							CFL-117 or CD110 CAF 38								
							Sand								
							Handling 228								
							Mileage 55								
2nd Pumped 50sx 60/40 4% Gel @ 1000'							FLOAT EQUIPMENT								
							Guide Shoe								
							Centralizer								
3rd Pumped 50sx 60/40 4% Gel @ 250'							Baskets								
							AFU Inserts								
							Float Shoe								
4 th Pumped 20sx 60/40 4% Gel @ 60' to surface.							Latch Down								
							LMV 55								
							Service supervisor								
							Pumptrk Charge Rotary Plug								
							Mileage 55 x 2								
												Tax			
												Discount			
												Total Charge			
<input checked="" type="checkbox"/> Signature Mike Godfrey															