

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
--	---

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) (Submit ACO-4)</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:	
----------------	-------	---------	------------	--



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc

28 21s 34w

PO Box 399
Garden City, Ks 67846

Crist #1-28

Job Ticket: 63651

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.05 @ 13:45:00

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:14:45

Time Test Ended: 20:00:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4106.00 ft (KB) To 4122.00 ft (KB) (TVD)

Reference Elevations: 2990.00 ft (KB)

Total Depth: 4122.00 ft (KB) (TVD)

2980.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8522

Inside

Press@RunDepth: 34.08 psig @ 4107.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.05

End Date:

2018.04.05

Last Calib.:

2018.04.05

Start Time: 13:45:05

End Time:

20:00:44

Time On Btm:

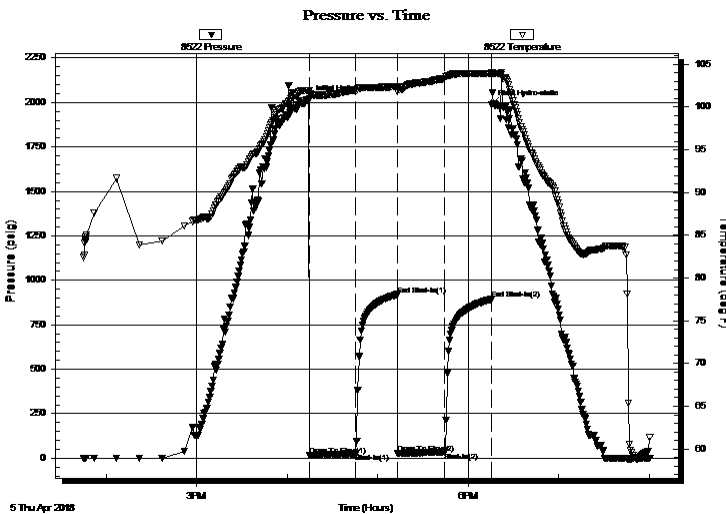
2018.04.05 @ 16:14:30

Time Off Btm:

2018.04.05 @ 18:15:45

TEST COMMENT: IF: 1/2" blow.
IS: No return.
FF: Surface blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.94	101.92	Initial Hydro-static
1	16.41	100.96	Open To Flow (1)
31	25.91	101.91	Shut-In(1)
59	920.08	102.39	End Shut-In(1)
59	26.40	101.84	Open To Flow (2)
90	34.08	103.32	Shut-In(2)
121	893.23	103.90	End Shut-In(2)
122	1987.60	104.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	w cm 20w 80m (oil spots)	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

28 21s 34w

PO Box 399
Garden City, Ks 67846

Crist #1-28

Job Ticket: 63651

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.05 @ 13:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	w cm 20w 80m (oil spots)	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

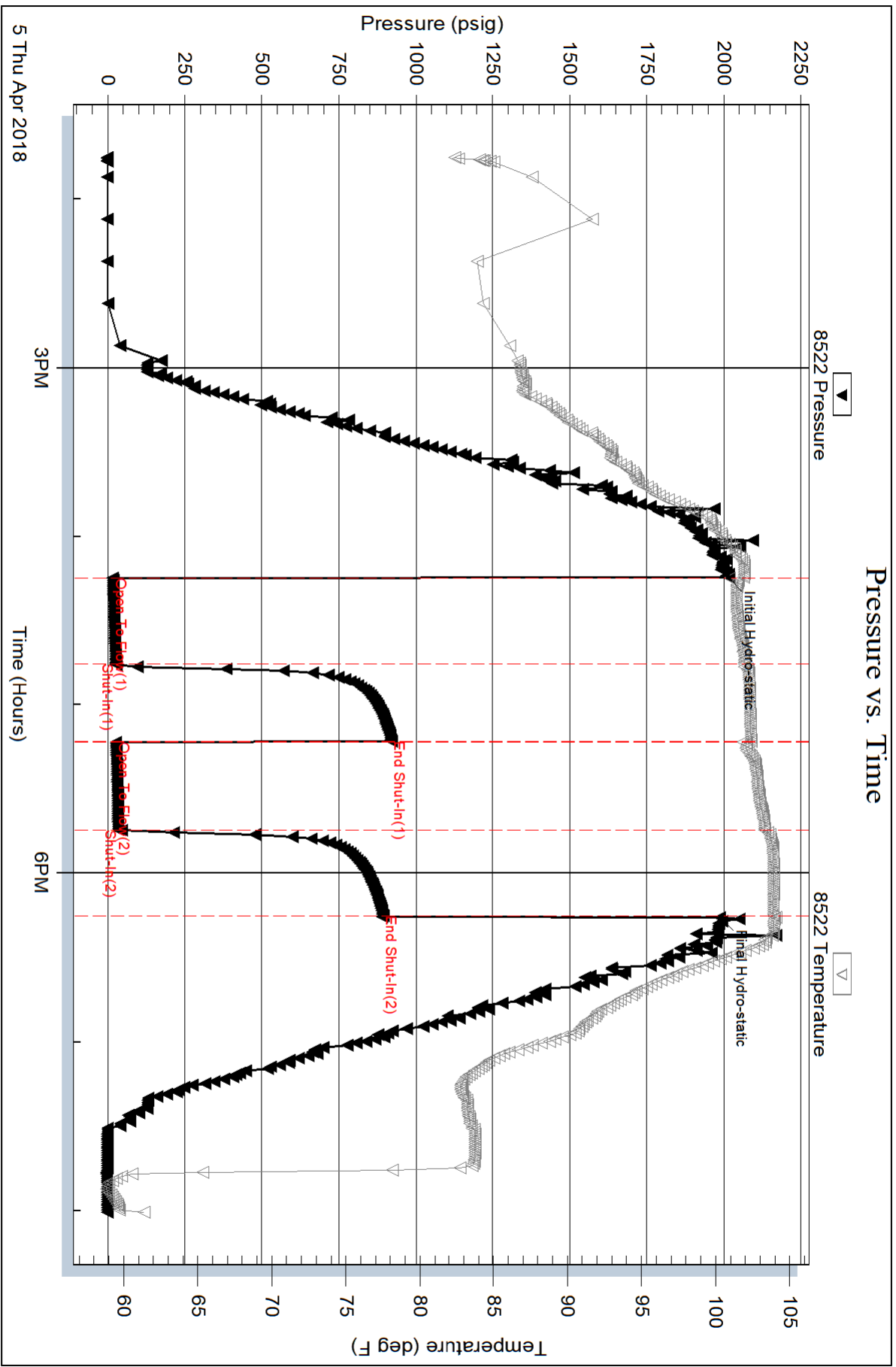
Num Gas Bombs: 0

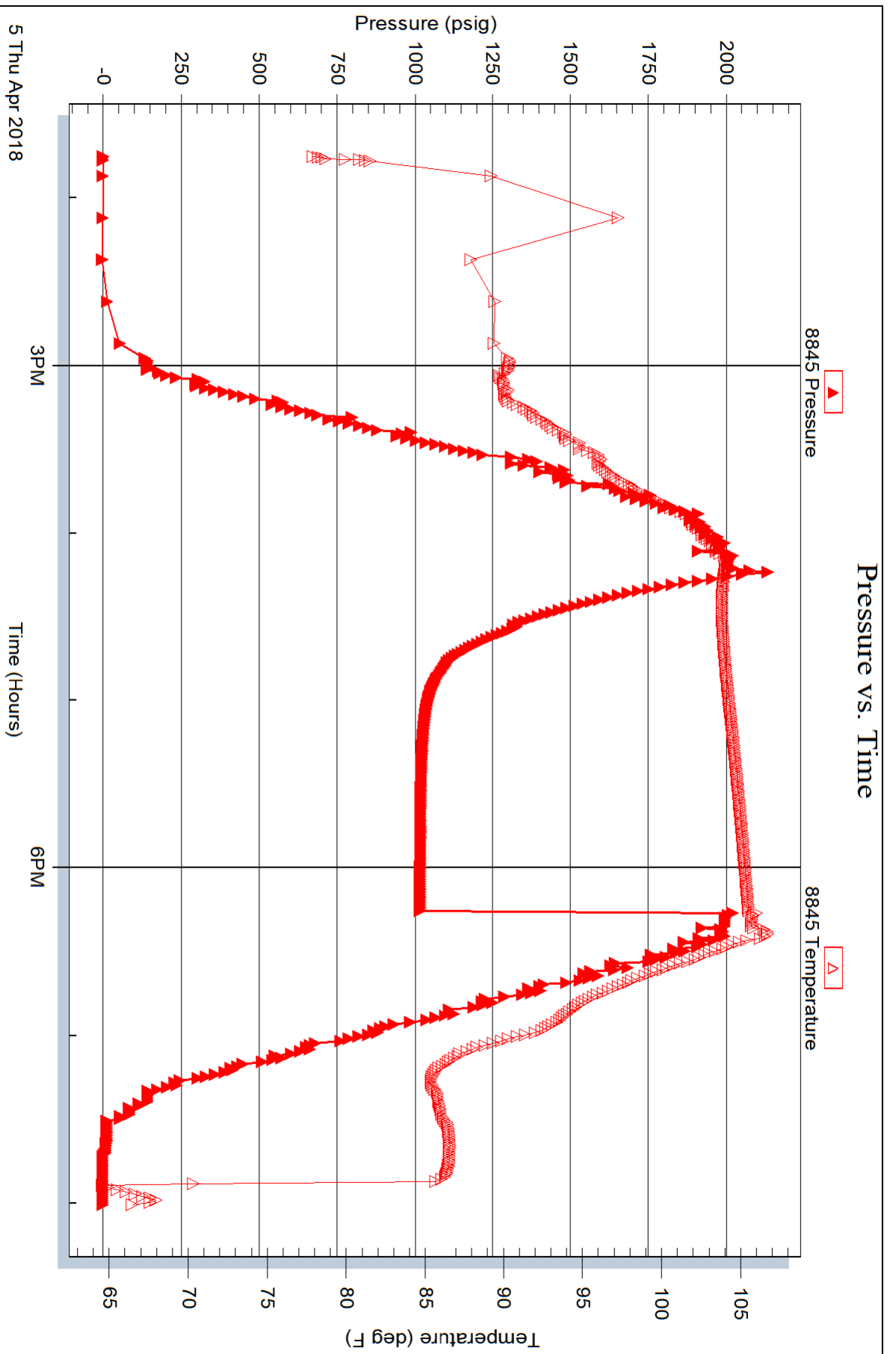
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



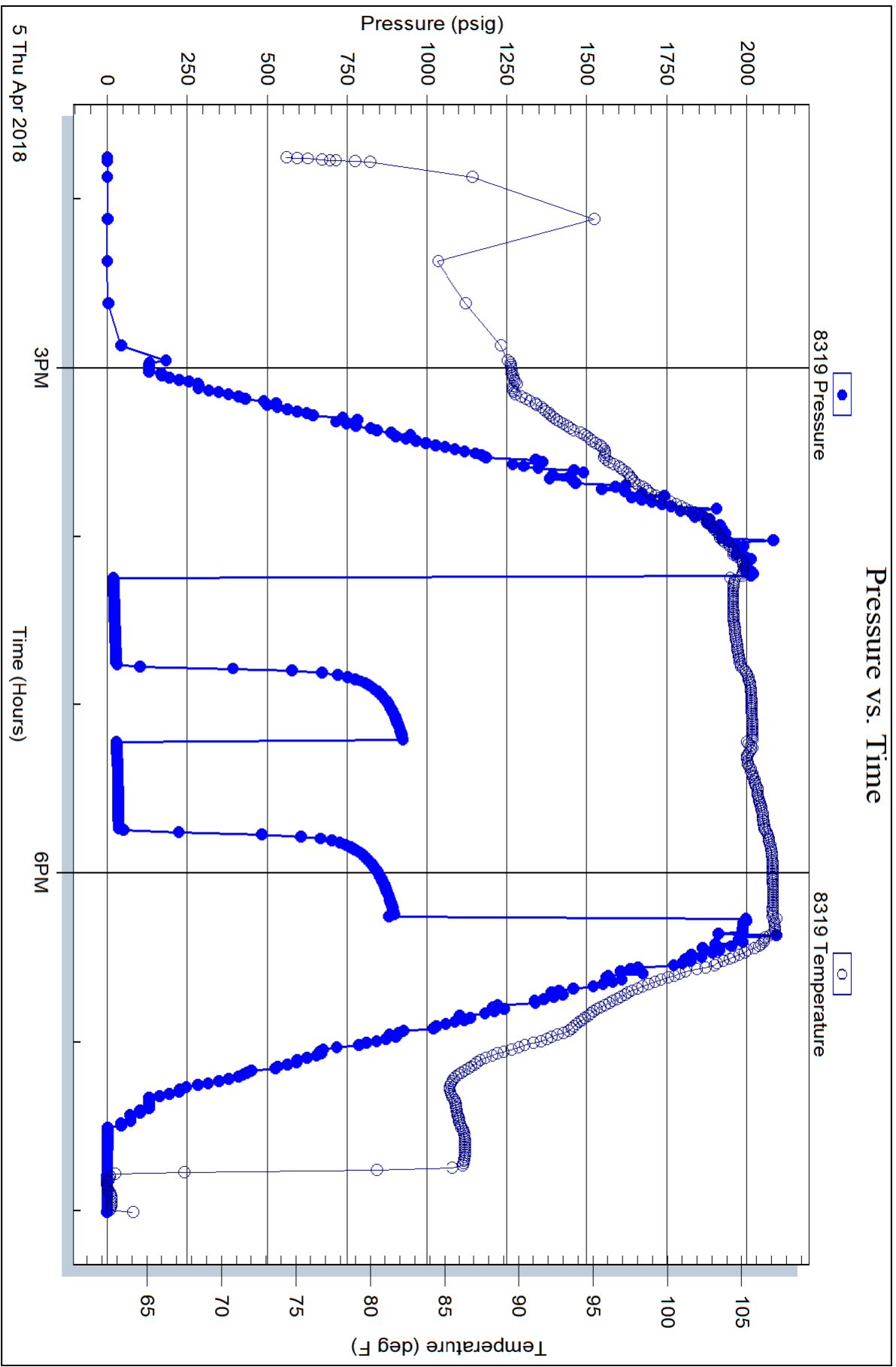


Serial #: 8319

Outside American Warrior, Inc

Crist#1-28

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63651

Printed: 2018.04.05 @ 20:42:04



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Crist #1-28

28-21s-34w Finney,KS

Start Date: 2018.04.05 @ 13:45:00

End Date: 2018.04.05 @ 20:00:45

Job Ticket #: 63651 DST #: 1

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

Printed: 2018.04.09 @ 13:40:14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc

28-21s-34w Finney, KS

PO Box 399
Garden City, KS 67846

Crist #1-28

Job Ticket: 63651

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.05 @ 13:45:00

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:14:45

Time Test Ended: 20:00:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4106.00 ft (KB) To 4122.00 ft (KB) (TVD)

Reference Elevations: 2990.00 ft (KB)

Total Depth: 4122.00 ft (KB) (TVD)

2980.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8522 Inside

Press@RunDepth: 34.08 psig @ 4107.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.05

End Date:

2018.04.05

Last Calib.: 2018.04.05

Start Time: 13:45:05

End Time:

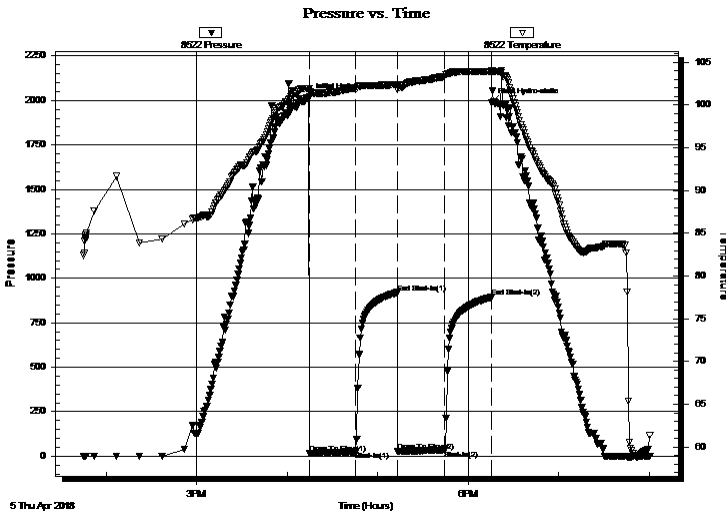
20:00:44

Time On Btm: 2018.04.05 @ 16:14:30

Time Off Btm: 2018.04.05 @ 18:15:45

TEST COMMENT: IF: 1/2" blow.
IS: No return.
FF: Surface blow.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.94	101.92	Initial Hydro-static
1	16.41	100.96	Open To Flow (1)
31	25.91	101.91	Shut-In(1)
59	920.08	102.39	End Shut-In(1)
59	26.40	101.84	Open To Flow (2)
90	34.08	103.32	Shut-In(2)
121	893.23	103.90	End Shut-In(2)
122	1987.60	104.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	w cm 20w 80m (oil spots)	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

28-21s-34w Finney, KS

PO Box 399
Garden City, KS 67846

Crist #1-28

Job Ticket: 63651

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.05 @ 13:45:00

Tool Information

Drill Pipe:	Length: 3864.00 ft	Diameter: 3.80 inches	Volume: 54.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 55.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4106.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			4080.00	
Shut In Tool	5.00			4085.00	
Hydraulic tool	5.00			4090.00	
Jars	5.00			4095.00	
Safety Joint	2.00			4097.00	
Packer	5.00			4102.00	27.00 Bottom Of Top Packer
Packer	4.00			4106.00	
Stubb	1.00			4107.00	
Recorder	0.00	8522	Inside	4107.00	
Recorder	0.00	8319	Outside	4107.00	
Perforations	11.00			4118.00	
Blank Off Sub	1.00			4119.00	102.00 Tool Interval
Packer	3.00			4122.00	
Blank Spacing	1.00			4123.00	
Perforations	16.00			4139.00	
Change Over Sub	1.00			4140.00	
Recorder	0.00	8845	Below	4140.00	
Drill Pipe	64.00			4204.00	
Change Over Sub	1.00			4205.00	
Bullnose	3.00			4208.00	1000128.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

28-21s-34w Finney,KS

PO Box 399
Garden City, KS 67846

Crist #1-28

Job Ticket: 63651

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.05 @ 13:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	w cm 20w 80m (oil spots)	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

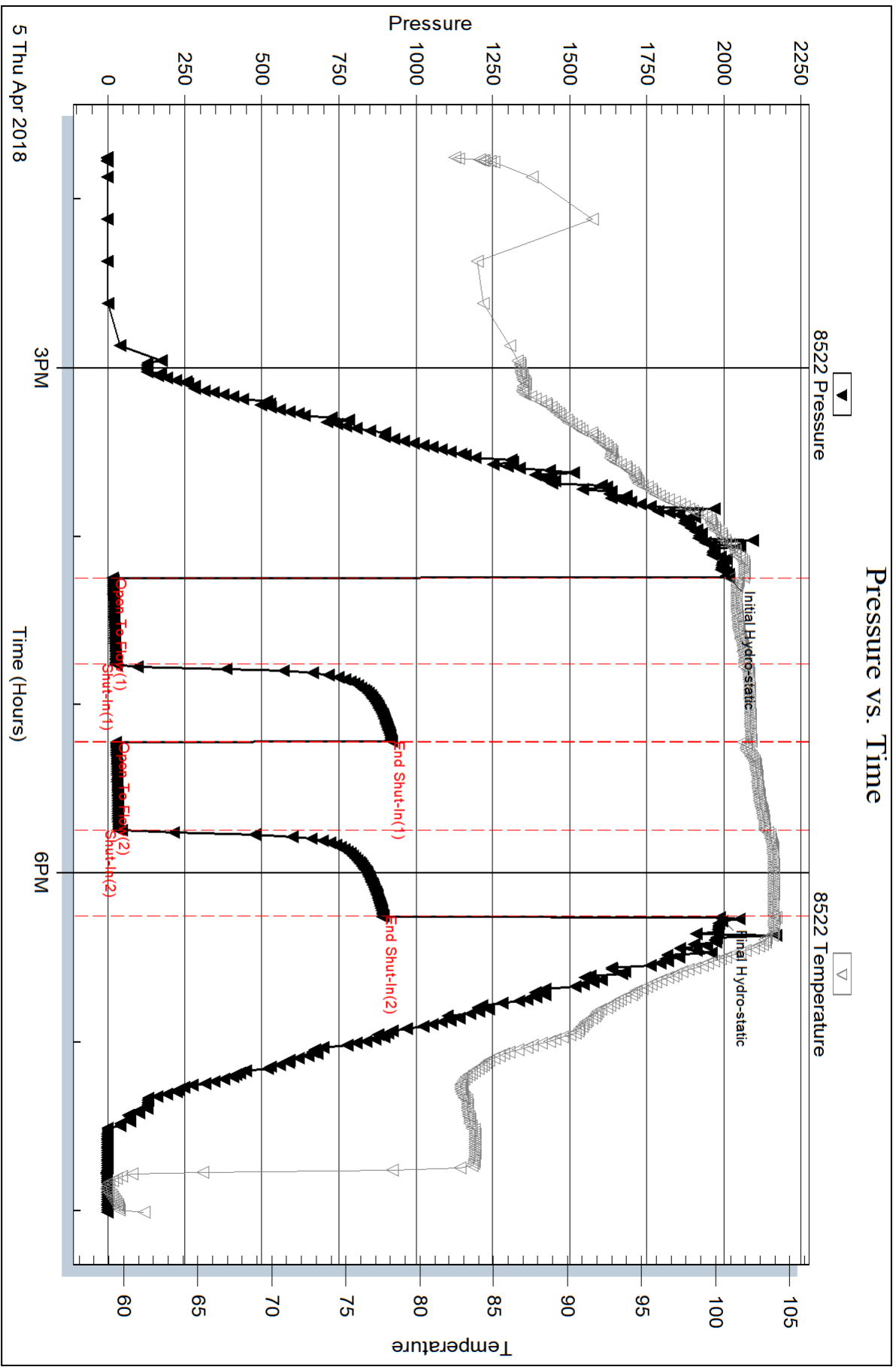
Num Gas Bombs: 0

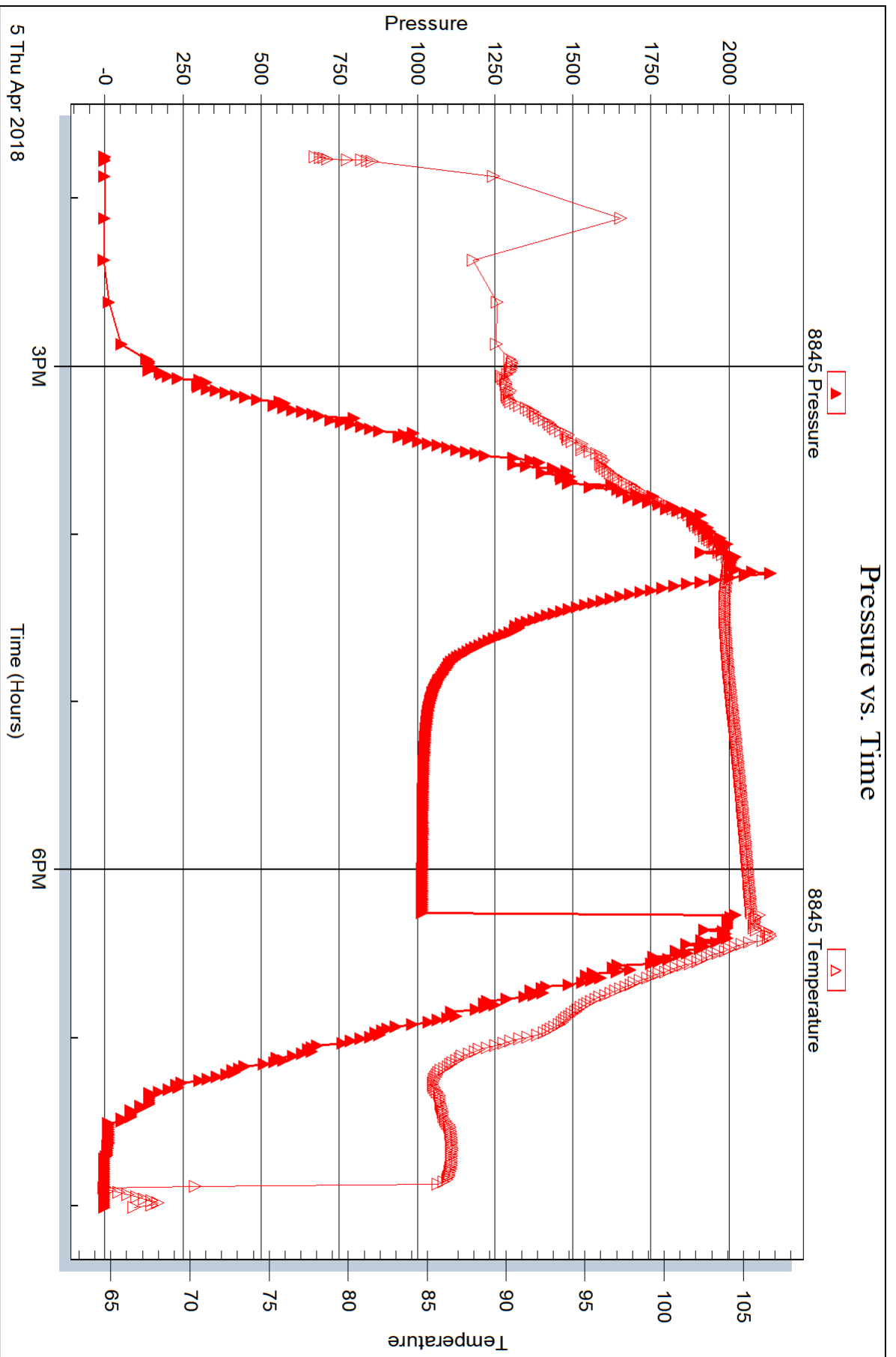
Serial #:

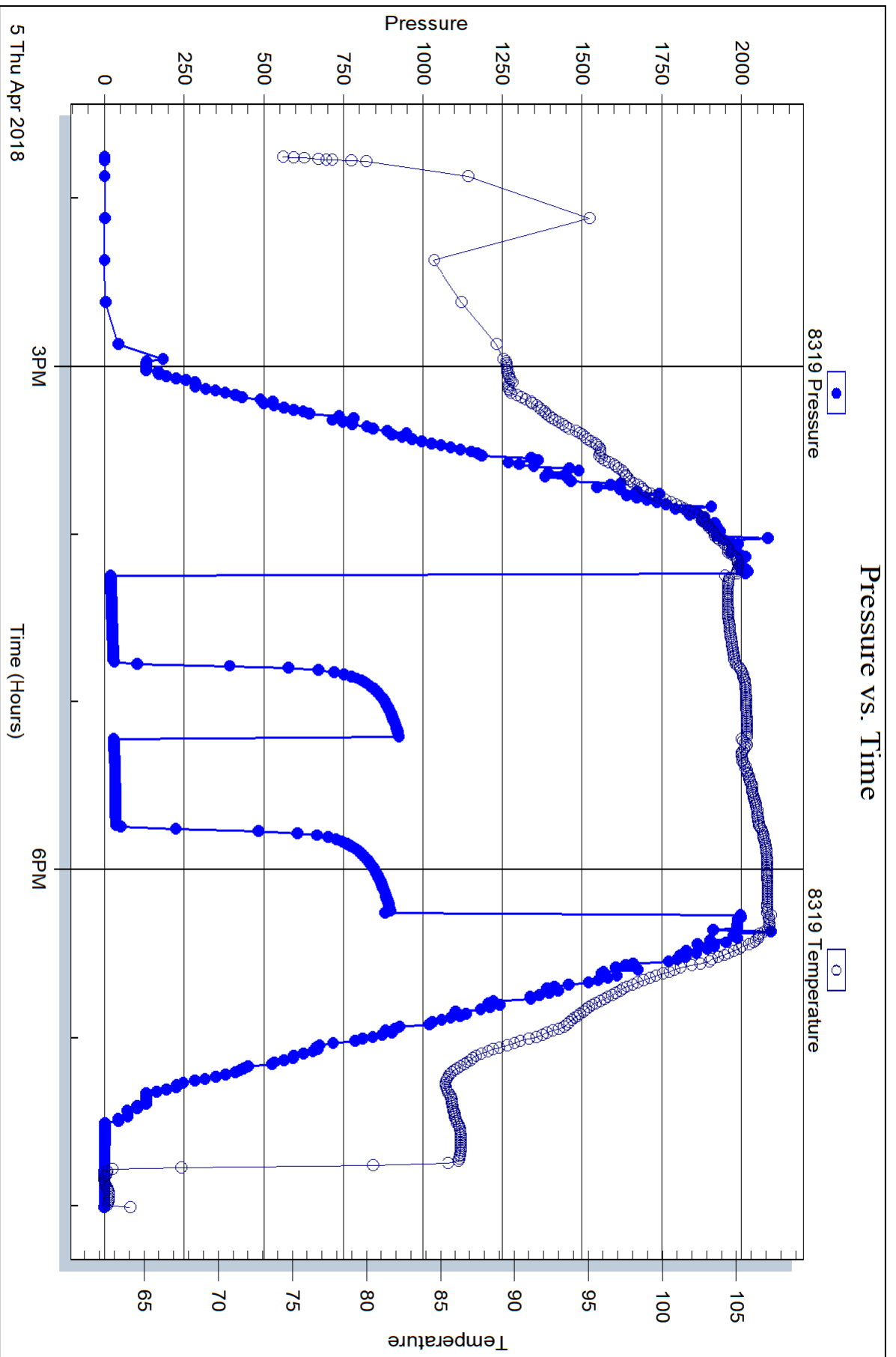
Laboratory Name:

Laboratory Location:

Recovery Comments:









DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Crist #1-28

28-21s-34w Finney,KS

Start Date: 2018.04.07 @ 01:07:00

End Date: 2018.04.07 @ 08:12:45

Job Ticket #: 63576 DST #: 2

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

Printed: 2018.04.09 @ 13:39:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

28-21s-34w Finney, KS

Crist #1-28

Job Ticket: 63576

DST#: 2

Test Start: 2018.04.07 @ 01:07:00

GENERAL INFORMATION:

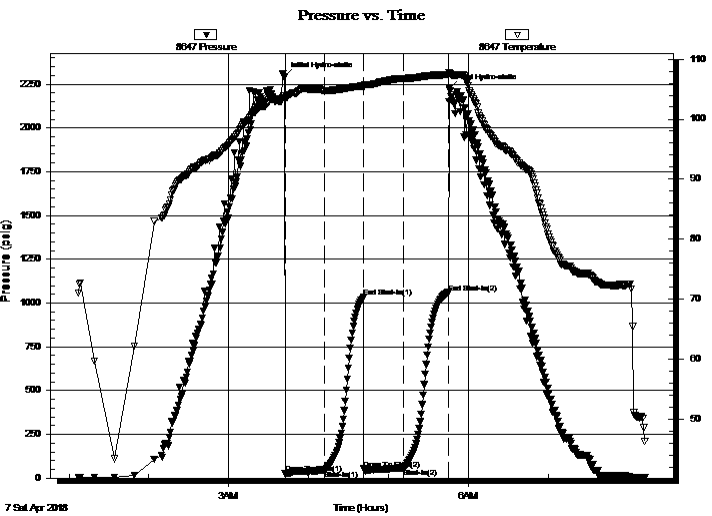
Formation: **Ft.Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:42:15
 Time Test Ended: 08:12:45
 Interval: **4468.00 ft (KB) To 4493.00 ft (KB) (TVD)**
 Total Depth: 4468.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 2990.00 ft (KB)
 2980.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8647

Inside

Press@RunDepth: 58.25 psig @ 4469.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.04.07 End Date: 2018.04.07 Last Calib.: 2018.04.07
 Start Time: 01:07:15 End Time: 08:12:45 Time On Btm: 2018.04.07 @ 03:42:00
 Time Off Btm: 2018.04.07 @ 05:45:45

TEST COMMENT: IF: Built to 5" blow
 IS: No return blow
 FF: Built to 7" blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.87	103.89	Initial Hydro-static
1	25.04	103.25	Open To Flow (1)
30	44.58	104.72	Shut-In(1)
59	1032.33	105.53	End Shut-In(1)
60	52.77	105.35	Open To Flow (2)
90	58.25	106.79	Shut-In(2)
123	1060.37	107.40	End Shut-In(2)
124	2224.05	107.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 1240	0.00
60.00	ocm 20%o 80%m (collar)	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc

28-21s-34w Finney, KS

PO Box 399
Garden City, KS 67846

Crist #1-28

Job Ticket: 63576

DST#: 2

ATTN: Luke Thompson

Test Start: 2018.04.07 @ 01:07:00

Tool Information

Drill Pipe:	Length: 4207.00 ft	Diameter: 3.80 inches	Volume: 59.01 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 239.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4468.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4441.00	
Shut In Tool	5.00			4446.00	
Hydraulic tool	5.00			4451.00	
Jars	5.00			4456.00	
Safety Joint	3.00			4459.00	
Packer	5.00			4464.00	28.00 Bottom Of Top Packer
Packer	4.00			4468.00	
Stubb	1.00			4469.00	
Recorder	0.00	8647	Inside	4469.00	
Recorder	0.00	8374	Outside	4469.00	
Perforations	19.00			4488.00	
Bullnose	5.00			4493.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc

28-21s-34w Finney,KS

PO Box 399
Garden City, KS 67846

Crist #1-28

Job Ticket: 63576

DST#: 2

ATTN: Luke Thompson

Test Start: 2018.04.07 @ 01:07:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 1240	0.000
60.00	ocm 20%o 80%m (collar)	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

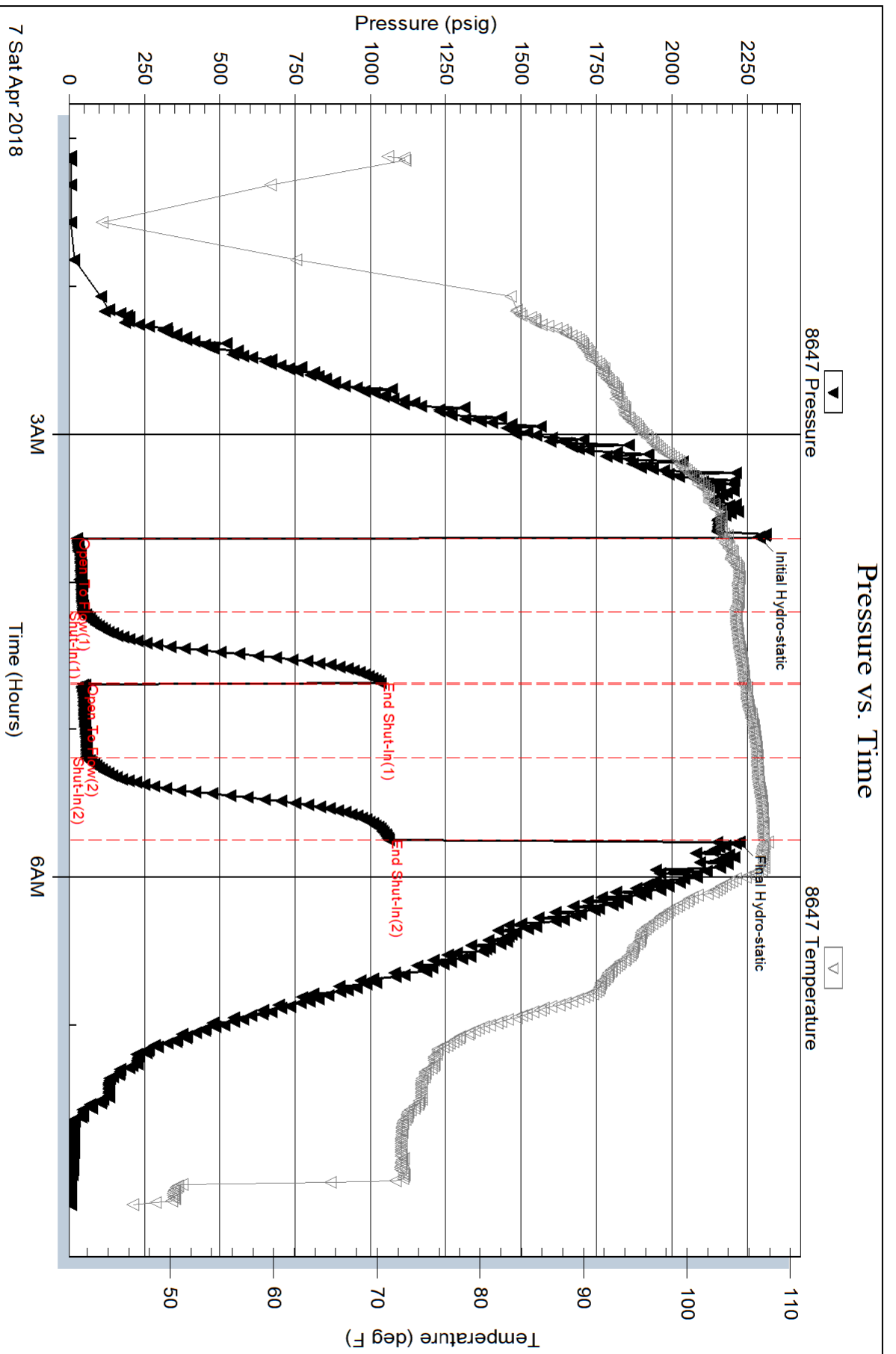
Num Gas Bombs: 0

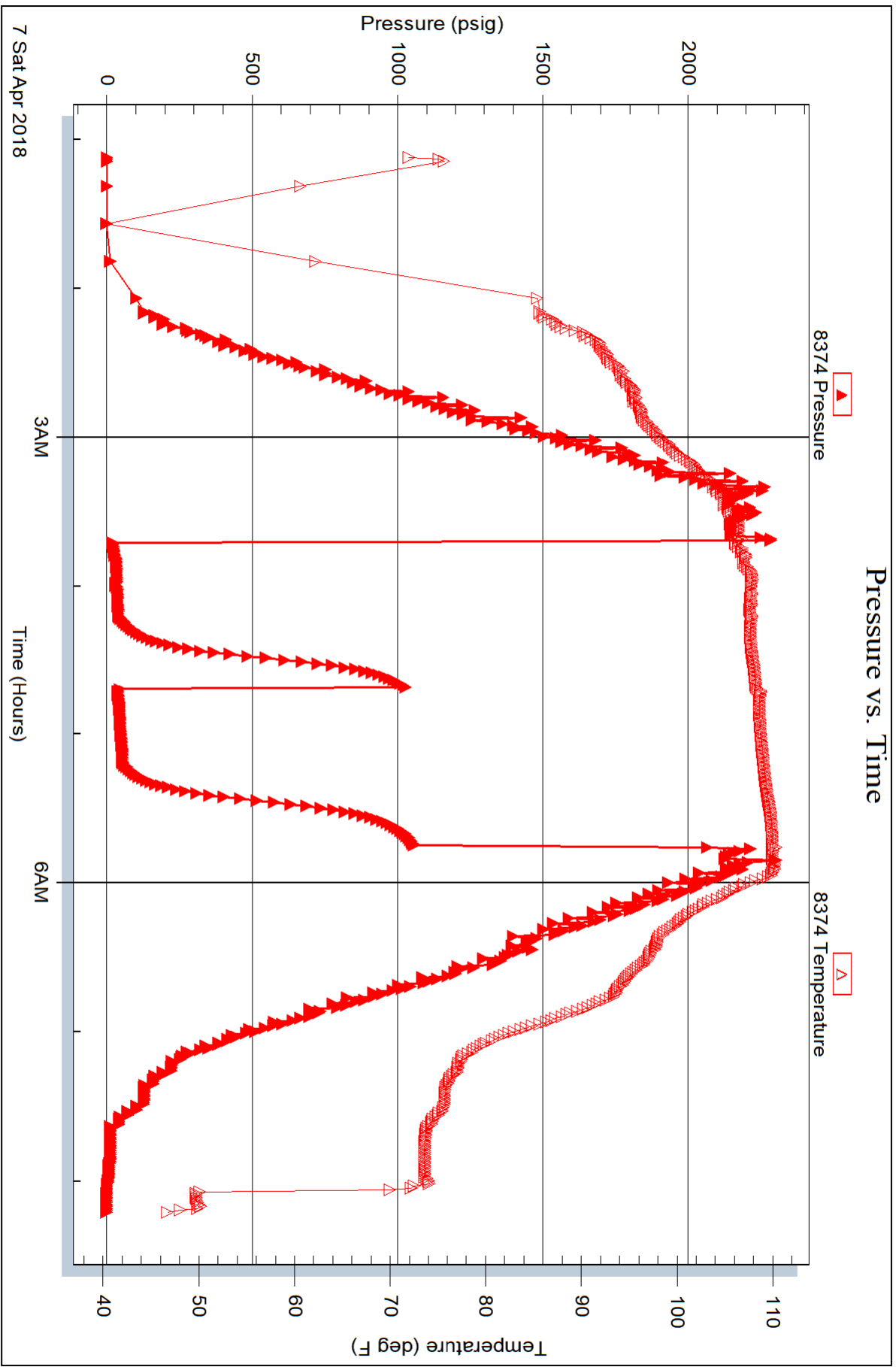
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63651**

Well Name & No. Crist #1-28 Test No. 1 Date 4/5/2018
 Company American Warrior, Inc Elevation 2990 KB 2980 GL
 Address Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Ryan Thompson Rig Duke #5
 Location: Sec. 28 Twp 21s Rge. 34w Co. Finney State Ks

Interval Tested 4106-4122 Zone Tested LKC H
 Anchor Length 16' / Tail - 86' Drill Pipe Run 3864 Mud Wt. 9.2
 Top Packer Depth 4101-4106 Drill Collars Run 239 Vis 50
~~Bottom~~ Packer Depth 4122 Wt. Pipe Run 0 WL 7.2
 Total Depth 4208 Chlorides 2200 ppm System LCM 3#

Blow Description IF: 1/2" blow
ISI: No return.
FF: Surface blow.
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>wcm</u>			<u>20</u>	<u>80</u>

Rec Total 30 BHT 104 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2015</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1315</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1345</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1615</u>
(D) Initial Shut-In <u>920</u>	<input checked="" type="checkbox"/> Circ Sub <u>1/4"</u>	T-Pulled <u>1815</u>
(E) Second Initial Flow <u>26</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2000</u>
(F) Second Final Flow <u>34</u>	<input checked="" type="checkbox"/> Mileage <u>62 RT 62</u>	Comments
(G) Final Shut-In <u>893</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1988</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<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>30</u>	<input type="checkbox"/> Day Standby	Total <u>2387</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>2387</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. 63576

Well Name & No. Crist #1-28 Test No. 2 Date 4-7-18
 Company American Warrior, Inc Elevation 2991 KB ~~3007~~ 2981 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Kevin Timson Rig Duke 5
 Location: Sec. 28 Twp 21S Rge. 34W Co. Finney State KS

Interval Tested 4468-4493 Zone Tested FT. SCOTT
 Anchor Length 25 Drill Pipe Run 4207 Mud Wt. 9.3
 Top Packer Depth 4463 Drill Collars Run 239 Vis 55
 Bottom Packer Depth 4468 Wt. Pipe Run φ WL 7.6
 Total Depth 4493 Chlorides 2300 ppm System LCM 3

Blow Description IF: Built to 5" Blow
IS: NO Return Blow
FF: Built to 7" Blow
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
	<u>GIP = 1240</u>				
<u>40</u>	<u>DCM (collar)</u>	<u>20</u>		<u>80</u>	

Rec Total 60 BHT 108 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2291 Test 1150 T-On Location 12:05
 (B) First Initial Flow 25 Jars 250 T-Started 01:07
 (C) First Final Flow 44 Safety Joint 75 T-Open 03:42
 (D) Initial Shut-In 1032 Circ Sub NC T-Pulled 05:42
 (E) Second Initial Flow 52 Hourly Standby — T-Out 08:12
 (F) Second Final Flow 58 Mileage 64RT 124 Comments Loaded tools
 (G) Final Shut-In 1060 Sampler — 16:00 @ 4-8-18
 (H) Final Hydrostatic 2224 Straddle — Ruined Shale Packer —
 Shale Packer — Ruined Packer —
 Extra Packer — Extra Copies —
 Extra Recorder — Sub Total 0
 Day Standby — Total 1599
 Accessibility — MP/DST Disc't —

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 1599

Approved By _____ Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Geological Report

American Warrior, Inc.

Crist #1-28

2288' FSL & 440' FWL

Sec 28, T21s, R34w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Crist #1-28
2288' FSL & 440' FWL
Sec. 28, T21s, R34w
Finney County, Kansas
API # 15-055-22483-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson

Spud Date: March 30, 2018

Completion Date: April 10, 2018

Elevation 2979' G.L.
2990' K.B.

Directions: From the North side of Holcomb, KS at the intersection of Hwy 50 & Big Lowe Rd – Now go 9 miles North on Big Lowe Rd – Now go 1 mile East on Barlow Rd – Now go 4 miles North on Little Lowe Rd – Now go 5 miles West on Gano Rd to the SW corner of section 28-21s-34w – North into.

Casing: 1741' 8 5/8" 23# Surface Casing
4990' 5 1/2" 15.5# Production Casing

Samples: 3750' to RTD 10' Wet & Dry

Drilling Time: 3700' to RTD

Electric Logs: Pioneer Energy Services "J. Henrickson"
Full Suite

Drillstem Tests: Two-Trilobite "B. Walters & M. Roberts"

Problems: None Encountered

Formation Tops

Crist #1-28

Sec. 28, T21s, R34w

2288' FSL & 440' FWL

Heebner	3830	-840
Toronto	3851	-861
Lansing	3876	-886
Stark	4202	-1212
Hush	4249	-1259
BKC	4330	-1340
Marmaton	4356	-1366
Pawnee	4452	-1462
Fort Scott	4478	-1488
Cherokee	4490	-1500
Morrow	4696	-1706
St. Gen	4759	-1769
St. Louis	4818	-1828
RTD	5000	-2010
LTD	4996	-2006

Sample Zone Descriptions

Lansing H (4116' -1126): Covered in DST #1

Limestone, cream, sub-crystalline, oolitic wackestone, chalky, scattered fair pinpoint vuggy porosity, fair odor, poor stain, fair-poor stain, poor show of free oil, fair gold fluorescence, fair stream cut. Gas 18 units hotwire.

Fort Scott (4486' -1496): Covered in DST #2

Limestone, tan, sub crystalline, oolitic, good odor, good stain, fair saturation, show of free oil. Gas 40 units hotwire.

Drill Stem Tests

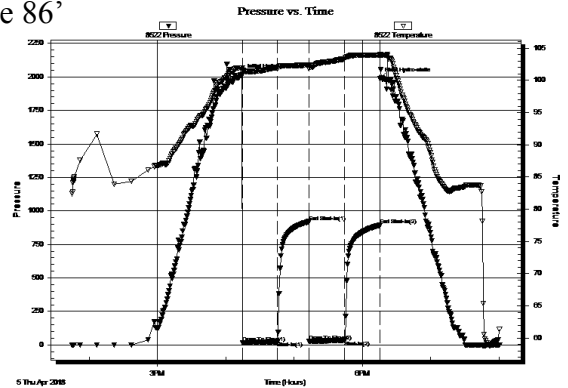
Trilobite Testing
 “Bradley Walter”

DST #1 **Lansing H (straddle)**

Interval (4106’ – 4122’) Anchor Length 16’; Tail Pipe 86’

- | | | |
|------|-------------------|--------|
| IHP | - 2015 # | |
| IFP | - 30” – ½” Blow | 16-26# |
| ISI | - 30” – No Return | 920# |
| FFP | - 30” – WSB | 26-34# |
| FSIP | - 30” – No Return | 893# |
| FHP | - 1988 # | |
| BHT | - 104° F | |

Recovery: 30’ OSWCM



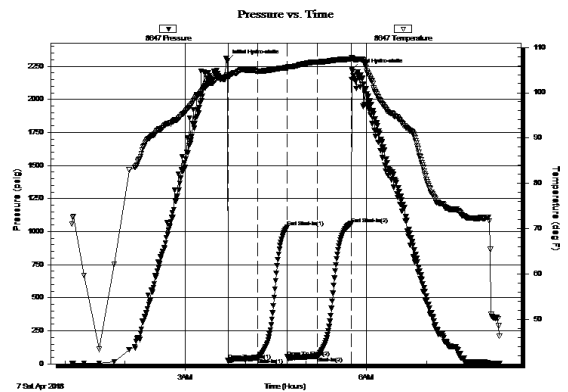
Trilobite Testing
 “Mike Roberts”

DST #2 **Fort Scott**

Interval (4468’ – 4493’) Anchor Length 25’

- | | | |
|------|---------------------|--------|
| IHP | - 2292 # | |
| IFP | - 30” – built to 5” | 25-45# |
| ISI | - 30” – No Return | 1032# |
| FFP | - 30” – built to 7” | 53-58# |
| FSIP | - 30” – No Return | 1060# |
| FHP | - 2224 # | |
| BHT | - 108° F | |

Recovery: 1240’ GIP
 60’ OCM 20% O



Structural Comparison

	American Warrior, Inc. Crist #1-28 Sec. 28, T21s, R34w 2288' FSL & 440' FWL			American Warrior, Inc. Haflich #1 Sec. 29, T21s, R34w 1320' FSL & 330' FEL			GMX Resources Inc. Nunn #11 Sec. 27, T21s, R34w 1520' FNL & 990' FEL	
<u>Formation</u>								
Heebner	3830	-840	1	3832	-841	-39	3762	-798
Lansing	3876	-886	3	3880	-889	-51	3799	-835
Stark	4202	-1212	21	4224	-1233	-51	4125	-1161
BKC	4330	-1340	24	4355	-1364	-46	4258	-1294
Marmaton	4356	-1366	23	4380	-1389	-48	4282	-1318
Pawnee	4452	-1462	25	4478	-1487	-66	4360	-1396
Fort Scott	4478	-1488	27	4506	-1515	-71	4381	-1417
Cherokee	4490	-1500	33	4524	-1533	-58	4406	-1442
Morrow	4696	-1706	43	4740	-1749	-80	4590	-1626
Miss	4759	-1769	104	4864	-1873	-101	4632	-1668

Summary

The location for the Crist #1-28 well was found via 3-D seismic survey. The new well ran structurally as expected. Two drill stem tests were conducted, one of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to run 5 ½" casing to further evaluate the Crist #1-28 well.

Perforations

Primary:	Fort Scott	(4481' – 4486')
Secondary:	St. Louis C	(4939' – 4948')
	St. Louis B	(4870' – 4876')
	St. Gen	(4783' – 4788')
Before Abandonment:	Lansing H	(4124' – 4127') probably water
	St. Louis A	(4819' – 4830')
		(Tight with limited permeability, may need further review)

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.



American Warrior, Inc.

Luke Thompson - Geologist
3118 Cummings Rd
Garden City, KS 67846
(785) 493-1254 cell
(620) 275-5067 office

WELL Crist #1-28	API #: 15-055-22483-00-00	LOCATION: Finney County, KS 2288' FSL & 440' FWL 28-21s-34w	Elevation KB: 2997' GL: 2979' Measurements from KB
----------------------------	-------------------------------------	--	--

Lithology Key

	Limestone		Black Shale
	Shaley Limestone		Shale
	Sandy Limestone		Silty Shale
	Fossil Limestone		Siltstone
	Cherty Limestone		Shaley Sandstone
	Oolitic Limestone		Sandstone
	Silty Limestone		Cherty Shale
	Shale Interbed		Dolomite
	Limestone Interbed		CFS

Curve Data:

Geologist: Luke Thompson (American Warrior, Inc.)

Drilling Contractor: Duke Rig #5

ROP (min/ft): 3700' - TD

Drilling time from: 3700' - TD

Gamma Ray

Samples from: RTD

Geological Supervision from: 3800' - TD

Right Column:

Correlating Leg: Haflich #1 (AWI 29-21s-34w)

Gas (units)

Surface Casing: 1741' 8 5/8" 23#

Density Porosity

Production Casing: 4990' 5 1/2" 15.5#

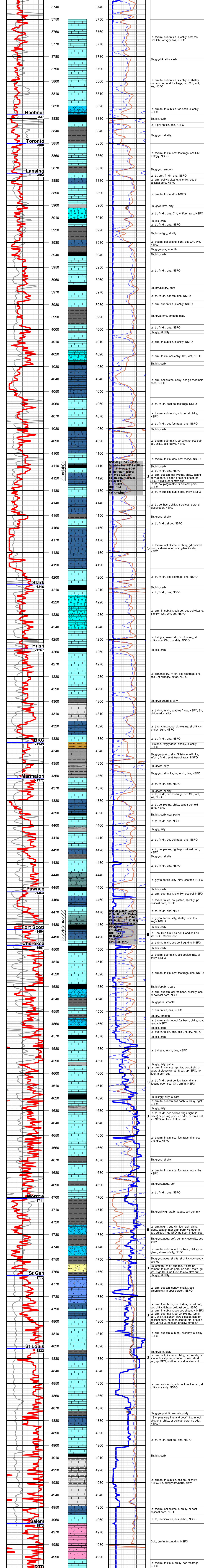
Neutron Porosity

RTD: 5000'

LTD: 4996'

Formation	Top	Log	Datum	Top	Sample	Datum	Correlating Well	Structural Comparison	Status: Oil
Heebner	3830	-840	3827	-837	1				
Toronto	3851	-861	3850	-860	4				
Lansing	3876	-886	3874	-884	3				
Stark	4202	-1212	4206	-1216	21				
BKC	4330	-1340	4333	-1343	24				
Marmaton	4356	-1366	4362	-1372	23				
Pawnee	4452	-1462	4453	-1463	25				
Fort Scott	4478	-1488	4484	-1494	27				
Cherokee	4490	-1500	4497	-1507	33				
Morrow	4696	-1706	4701	-1711	43				
Miss	4759	-1769	4763	-1773	104				
TD	4996	-2006	5000	-2010					

Conclusion: The location for the Crist #1-28 was found via 3-D seismic survey. The well was high to the Haflich #1 as expected. Two DST's were conducted, one of which recovered commercial quantities of oil. The decision was made to run 5 1/2" production casing to further evaluate the Crist 1-28.





Services, Inc.

CHARGE TO:
ADDRESS

American Warrior

CITY, STATE, ZIP CODE

TICKET 031267

PAGE 1 OF 2

1. SERVICE LOCATIONS <i>Am City KS</i>	WELL/PROJECT NO. <i>1-28</i>	LEASE <i>Crist</i>	COUNTY/PARISH <i>Finney</i>	STATE <i>KS</i>	CITY <i>Garden City</i>	DATE <i>31 MAR 18</i>	OWNER
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME NO. <i>5</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>location</i>	WELL PERMIT NO.	ORDER NO.	
3. WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>cement deep surface</i>					
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS					WELL LOCATION <i>28-21-34</i>	

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT	
		LOC	ACCT	DF		U/M	U/M	PRICE			
<i>575</i>		<i>1</i>			MILEAGE	<i>90</i>	<i>Mi</i>			<i>5.00</i>	<i>450.00</i>
<i>575</i> <i>576b</i>		<i>1</i>			<i>TRK 114</i> Pump Change Deep Surface	<i>1</i>	<i>ea</i>			<i>1300.00</i>	<i>1300.00</i>
<i>400</i>		<i>1</i>			<i>Guide</i> Slur	<i>1</i>	<i>ea</i>			<i>350.00</i>	<i>350.00</i>
<i>401</i>		<i>1</i>			<i>Insert</i> First slue w/ fill up tube	<i>1</i>	<i>ea</i>			<i>250.00</i>	<i>250.00</i>
<i>409</i>		<i>1</i>			<i>Turbo lizer</i>	<i>3</i>	<i>ea</i>			<i>105.00</i>	<i>315.00</i>
<i>410</i>		<i>1</i>			<i>Top plug</i>	<i>1</i>	<i>ea</i>			<i>130.00</i>	<i>130.00</i>
<i>194</i>		<i>1</i>			<i>Plug container</i> Roubal	<i>1</i>	<i>ea</i>			<i>200.00</i>	<i>200.00</i>
<i>281</i>		<i>1</i>			<i>Mud flush</i>	<i>500</i>	<i>gal</i>			<i>1.50</i>	<i>750.00</i>
<i>221</i>		<i>1</i>			<i>KCh Liquid</i>	<i>2</i>	<i>gal</i>			<i>25.00</i>	<i>50.00</i>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED _____ TIME SIGNED _____
 A.M.
 P.M.

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

SURETY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>3795.00</i>	
WE UNDERSTOOD AND MET YOUR NEEDS?				<i>15701.88</i>	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<i>19496.00</i>	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	<i>20550.98</i>

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

FT OPERATOR *BSM* APPROVAL _____
 Thank You!

ORDER NO. 1000 DATE 11/11/11 TIME 11:00

CUSTOMER: SMI ADDRESS: SMI

ORDERED BY: [Signature] PHONE: 503-555-1234

REMIT PAYMENT TO: SMI SERVICES, INC.

ITEM	DESCRIPTION	QTY	UNIT PRICE	TOTAL	TAX	AMOUNT
001	1000	1	20.00	20.00		20.00
001	1000	1	120.00	120.00		120.00
001	1000	1	300.00	300.00		300.00
001	1000	1	130.00	130.00		130.00
001	1000	1	212.11	212.11		212.11
001	1000	1	920.00	920.00		920.00
001	1000	1	320.00	320.00		320.00
001	1000	1	1300.00	1300.00		1300.00
001	1000	1	2.00	2.00		2.00
001	1000	1	425.00	425.00		425.00

TERMS: NET 30 DISCOUNT: 2% TAX: 5%

ORDER TOTAL: 5851.21

DATE: 11/11/11 TIME: 11:00



SMI SERVICES, INC.

ORDER NO. 1000



PO Box 466
 Ness City, KS 67560
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 31267

CUSTOMER *América Warrior*

WEIGHT *Crust 1-28*

DATE *31 MAR 18* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WEIGHT		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M		
330		1				SMB cement	700	sk	16.25	11375.00
276		1				Flux	175	lb	2.50	437.50
581		1				SERVICE CHARGE	700			122.50
583		1				MILEAGE CHARGE	90		0.85	2664.38
							TON MILES	3134		
							CUBIC FEET			
							TON WEIGHT			
							LOADING MILES			
							CHARGE			

CONTINUATION TOTAL 15701.88

JOB LOG

SWIFT Services, Inc.

DATE 31 MAR 18 PAGE NO. 1

CUSTOMER American Warrior WELL NO. 1-28 LEASE Crist JOB TYPE cement deep surface TICKET NO. 31267

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								700sk SMD cement w/ 1/4# floccle 8 5/8" x 23# casing 41jts 1741.38' shoejt 4228
	1715							on bc TRK 114
	1755							start 8 5/8" x 23# casing in well
	2017							Drop ball - circulate
	2048	4	12				200	Pump 500 gal multiflush
		4	20				200	Pump 20 bbl KCL flush
	2100	6	111				200	mix SMD cement @ 11.8 ppg 250 sk
		6	925				200	12.5 ppg 200sk
		4 3/4	248				200	13.5 ppg 75sk
		4 3/4	(267 total)				200	14.5 ppg 75sk
								Release plug wash out pump & line
	2205	6					200	Displace plug
								→ cement to surface ← {700sk mixed}
	2230	6 5	99 107				500 1200	Land plug {55sk to P+}
								Release pressure to truck
	2235							wash truck Pack up
	2300							job complete Flank Flint, Blaine, Reas # 154AC

10/10/10
 10/10/10
 10/10/10

FIG R CB 0 25

UNITED AIRWAYS INC

UNITED AIRWAYS INC
 10/10/10
 10/10/10
 10/10/10

10/10
 10/10
 10/10
 10/10
 10/10

10/10
 10/10
 10/10
 10/10
 10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

10/10/10
 10/10/10
 10/10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

10/10
 10/10
 10/10
 10/10
 10/10

10/10
 10/10
 10/10
 10/10
 10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

10/10/10
 10/10/10
 10/10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

10/10
 10/10
 10/10
 10/10
 10/10

10/10
 10/10
 10/10
 10/10
 10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10

UNITED AIRWAYS INC
 10/10/10
 10/10/10



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. # 31432

CUSTOMER American Lumber

WELL Crest A1-28

DATE 4-10-18

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		UNIT		PRICE	AMOUNT		
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
325		1				Standard Cement (EA-2)	200	SKS	13	00	2600	00		
284		1				Cel-seal	5	%	35	00	315	00		
283		1				Salt	10	%	00	00	2000	00		
292		1				Halcol 322	3/4	90	150	lbs	8	00	1200	00
276		1				Flocalc	1/4	16	50	lbs	2	50	125	00
290		1				D-Air	2	gal	42	00	84	00		
281		1				Mud Flush	500	gal	1	50	750	00		
221		1				Liquid KCL	2	gal	25	00	50	00		
SERVICE CHARGE														
581		1				MILEAGE CHARGE	200		1	75	350	00		
583		1				TOTAL MERCH	80		836	00	710	00		

CONTINUATION TOTAL 6384.60

JOB LOG

SWIFT Services, Inc.

DATE 4-10-18	PAGE NO. 1
TICKET NO. #31432	

CUSTOMER American Warrior	WELL NO. #1-28	LEASE Crist	JOB TYPE Longstring
------------------------------	-------------------	----------------	------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							on location 5 1/2" 15.5*
								RTD-5000' LTD-4996' TP-4990' SJ #1 23.69' cent- #1 #2 #3 #4 #5 #7 #9 #11 #13 Basket-#5
	0345							Start 5 1/2" 15.5# casing in well
	0550							Drop Ball circulate
	0640	6 1/2 6 1/2	12 20	✓ ✓		400 400		Pump 500 gal Mud Flush Pump 20 bbl HCL Flush
			7-5					Plug RH-MH (30-20)
	0650	4 1/2	36	✓		300		mix 150 sks EA-2 @ 15.5 ppg wash out Pump + Lines Release Latch Down Plug
	0710	6 1/2 6 1/2 6 1/2	∅ 90 117	✓ ✓ ✓		100 350 950		Start Displacement lift Pressure max lift Pressure
	0730	6 1/2	118.2	✓		1800		Land Latch Down Plug Release Pressure * Plug Hold *
								wash up truck
	0800							Job Complete
								Thank You Dave Prosen Isaac

