KOLAR Document ID: 1421123

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 # 4058
Name: American Warrior, Inc.
Address 1: PO BOX 399
Address 2:
City: GARDEN CITY State: KS Zip: 67846 + __ __ __ __
Contact Person: Octavio D Morales
Phone: (620) 275-2963
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Luke Thonpson
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 #:

04/30/2018	05/08/2018	05/08/2018
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-083-21949-00-00
Spot Description:
SE - NW - SW - NW Sec. 29 Twp. 23 S. R. 23 ☐ East ☑ West
1665 Feet from ☑ North / ☐ South Line of Section
502 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Hodgeman
Lease Name: BRADFORD Well #: 1-29
Field Name: Lappin
Producing Formation: N/A
Elevation: Ground: 2421 Kelly Bushing: 2429
Total Vertical Depth: 4900 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 266 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: 14000 ppm Fluid volume: 160 bbls
Dewatering method used: Evaporated
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:** Karen Ritter **Date:** 09/11/2018

Operator Name: American Warrior, Inc. Lease Name: BRADFORD Well #: 1-29

Sec. 29 Twp. 23 S. R. 23 ☐ East ☑ West County: Hodgeman

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	☐ Log	Formation (Top), Depth and Datum ☐ Sample
Samples Sent to Geological Survey	☐ Yes	☑ No	Name: N/A	Top: N/A Datum: N/A
Cores Taken	☐ Yes	☑ No		
Electric Log Run	☑ Yes	☐ No		
Geologist Report / Mud Logs	☑ Yes	☐ No		

List All E. Logs Run:

Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	266	common	185	3%cc/2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top: 0 Bottom: 1

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	BRADFORD 1-29
Doc ID	1421123

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	266	common	185	3%cc/2% gel

Geological Report

American Warrior, Inc.

Bradford #1-29

1665’ FNL & 502’ FWL

Sec 29, T23s, R23w

Hodgeman County, Kansas

American Warrior, Inc.

General Data

Well Data:	American Warrior, Inc. Bradford #1-29 1665’ FNL & 502’ FWL Sec. 29, T23s, R23w Hodgeman County, Kansas API # 15-083-21949-00-00
Drilling Contractor:	Duke Drilling Co. Rig #5
Geologist:	Luke Thompson
Spud Date:	April 30, 2018
Completion Date:	May 8, 2018
Elevation	2418’ G.L. 2429’ K.B.
Directions:	From the South side of Jetmore, KS at the intersection of South St. & Hwy. 283/Main St. – Now go 0.7 miles East on South St. – Now go 3 miles South on 219 Rd. to the NW corner of section 29-23s-23w – Now go approx. 0.25 miles South on 219 Rd. to ingress stake SE into at cattle guard with gate – Now go approx. 0.1 mile SE through pasture
Casing:	266’ 8 5/8” 23# Surface Casing
Samples:	4350’ to RTD 10’ Wet & Dry
Drilling Time:	3800’ to RTD
Electric Logs:	Pioneer Energy Services “Ian Mabb” Full Suite
Drillstem Tests:	One-Trilobite “Leal Cason”
Problems:	None Encountered

Formation Tops

Bradford #1-29

Sec. 29, T23w, R23w

1665’ FNL & 502’ FWL

Heebner	**3991**	**-1562**
Toronto	**4005**	**-1576**
Lansing	**4046**	**-1617**
Stark	**4337**	**-1908**
Hush	**4380**	**-1951**
BKC	**4464**	**-2035**
Marmaton	**4486**	**-2057**
Pawnee	**4576**	**-2147**
Fort Scott	**4615**	**-2186**
Cherokee	**4642**	**-2213**
Cherokee SD	**4728**	**-2299**
Miss	**4746**	**-2317**
RTD	**4900**	**-2471**
LTD	**4905**	**-2476**

Sample Zone Descriptions

Cherokee Sand (4730’ -2301): Covered in DST #1

Sandstone, grey/clear, fine to medium grained, sub-round, fair sorting, fair to well cement, glauconitic, occasional Chert, white, fair to good scattered inter-crystalline porosity, strong odor, fair scattered stain, abundant gilsonite stain, fair to good saturation, good show of free oil when broke, no fluorescence, fair flush to stream cut. Gas 40 units hotwire.

Drill Stem Tests

Trilobite Testing

"Leal Cason"

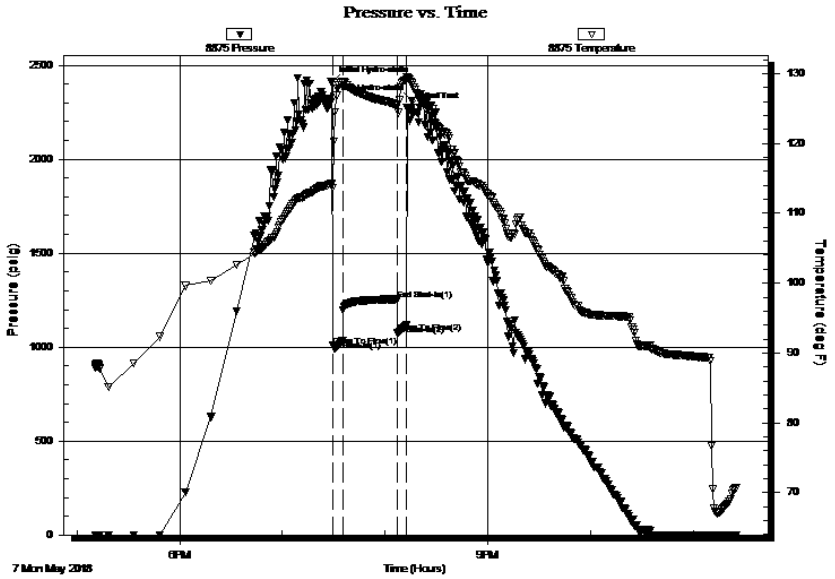
DST #1 **<u>Cherokee Sand</u>**

Interval (4635' – 4733') Anchor Length 98'

IHP	- 2409 #	
IFP	- 5" – BOB 45 sec	1007-1035#
ISI	- 30" – No Return	1253#
FFP	- 5" – BOB 45 sec	1075-1120#
FSIP	- pulled test	
FHP	- 2312 #	
BHT	- 130° F	

Recovery: 1512' W

504' MCW



Structural Comparison

Formation	American Warrior, Inc. Bradford #1-29 Sec. 29, T23s, 23w 1665' FNL & 502' FWL		Berexco LLC. Katheryn #1-29 Sec. 29, T23s, R23w 2280' FSL & 1000' FWL			American Warrior Inc. Bradford #1-30 Sec. 30 T23s, R23w 710' FNL & 810' FEL		
Heebner	**3991**	**-1562**	**-14**	3964	-1548	**-2**	4002	-1558
Lansing	**4046**	**-1617**	**-12**	4021	-1605	**-2**	4059	-1615
Stark	**4337**	**-1908**	**-9**	4315	-1899	**-1**	4351	-1907
BKC	**4464**	**-2035**	**-17**	4434	-2018	**-13**	4466	-2022
Marmaton	**4486**	**-2057**	**-22**	4451	-2035	**-14**	4487	-2043
Pawnee	**4576**	**-2147**	**-22**	4541	-2125	**-7**	4584	-2140
Fort Scott	**4615**	**-2186**	**-24**	4578	-2162	**-6**	4624	-2180
Cherokee	**4642**	**-2213**	**-25**	4604	-2188	**-8**	4649	-2205
Cherokee SD	**4728**	**-2299**	**-58**	4657	-2241	**-27**	4716	-2272
Miss	**4746**	**-2317**	**+13**	4746	-2330	**+117**	4878	-2434

Summary

The location for the Bradford #1-29 well was found via 3-D seismic survey. The new well ran structurally as expected. One drill stem test was conducted, which failed to recover commercial quantities of oil. After all the gathered data had been examined, the decision was made to Bradford #1-29 well

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.

Federal Tax I.D. # [illegible]
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	Sec.	Twp.	Range	County	State	On Location	Finish
5-1-16	29	23S	23W	Hodgeman	KS	12:05	2:15

Lease Brad Ford | Well No. 1-29 | Location 5 DF Jetmore + G Rd 1E 1½N

Contractor Duke #5 | Owner E Into

Type Job Surface | 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 12¼ | T.D. 269'

Csg. 8⅝ 23' | Depth 266

Tbg. Size | Depth | Charge To American Warrior

Tool | Depth | Street

Cement Left in Csg. 20 | Shoe Joint 20 | City | State

Meas Line | Displace 15.7 | The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 185 sx Common 2% Gel 3% CC

EQUIPMENT

Pumptrk 8	No.	David
Bulktrk 10	No.	Derek
Bulktrk	No.	
Pickup	No.	1003

JOB SERVICES & REMARKS

Run 6 jts 8⅝ 23# csg set @ 266'

Break Circ W/ Rig

Mix & Pump 185 sx Common 2% 3% @ 14.8#/gal

Disp: 15.7 Bbls H2O

Close Valve on csg 2:00 P.M 200#

Good Circ thru Job

Circ 5 Bbls to Pit

Thank You

Please call Again

Todd David Derek

X Signature Tim Quilty

Common	185
Poz. Mix	
Gel.	4
Calcium	7
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	196
Mileage	50

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
LMV	50
Service Supervisor	
Pumptrk Charge	Surface
Mileage	50 x 2
Tax	
Discount	
Total Charge	

STATE OF KANSAS

CORPORATION COMMISSION
CONSERVATION DIVISION
266 N. MAIN ST., STE. 220
WICHITA, KS 67202-1513

PHONE: 316-337-6200
FAX: 316-337-6211
http://kcc.ks.gov/

GOVERNOR JEFF COLYER, M.D.
SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

September 11, 2018

Octavio D Morales
American Warrior, Inc.
PO BOX 399
GARDEN CITY, KS 67846

Re: ACO-1
API 15-083-21949-00-00
BRADFORD 1-29
NW/4 Sec.29-23S-23W
Hodgeman County, Kansas

Dear Octavio D Morales:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

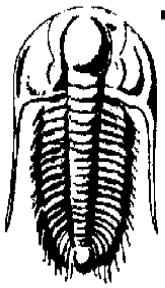
The above referenced well was spudded on 04/30/2018 and the ACO-1 was received on September 10, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

Bradford #1-29

29-23S-23W Hodgeman,KS

Start Date: 2018.05.07 @ 17:10:49

End Date: 2018.05.07 @ 23:24:51

Job Ticket #: 59864 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.05.08 @ 14:40:33

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

American Warrior Inc

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

29-23S-23W Hodgeman,KS

Bradford #1-29

Job Ticket: 59864 **DST#: 1**

Test Start: 2018.05.07 @ 17:10:49

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:29:21
Time Test Ended: 23:24:51

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 4635.00 ft (KB) To 4733.00 ft (KB) (TVD)
Total Depth: 4733.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

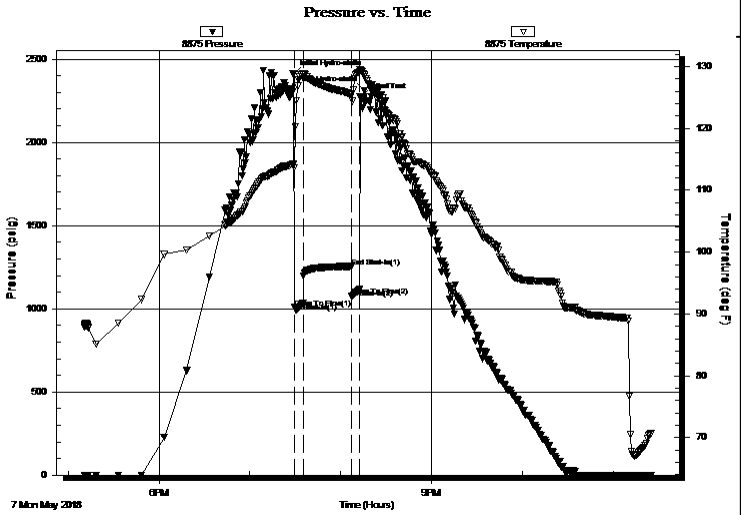
Reference Elevations: 2429.00 ft (KB)
2418.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8875 **Inside**

Press@RunDepth: 1033.94 psig @ 4636.00 ft (KB)
Start Date: 2018.05.07 End Date: 2018.05.07
Start Time: 17:10:50 End Time: 23:24:51

Capacity: psig
Last Calib.: 2018.05.07
Time On Btm: 2018.05.07 @ 19:28:36
Time Off Btm: 2018.05.07 @ 20:15:36

TEST COMMENT: IF: Strong Blow , BOB in 45 seconds, Built to 126"
ISI: No Blow Back
FF: Strong Blow , BOB in 45 seconds, Built to 106"
Pulled Test W/Out FSI



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2409.26	114.24	Initial Hydro-static
1	1006.68	113.67	Open To Flow (1)
7	1033.94	128.90	Shut-In(1)
39	1253.10	125.59	End Shut-In(1)
39	1075.49	125.49	Open To Flow (2)
44	1119.54	129.12	Shut-In(2)
45	2271.05	129.55	Pulled Test
47	2312.47	128.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1512.00	Water	19.04
504.00	MCW 48%M 52%W	7.07

Gas Rates

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

DRILL STEM TEST REPORT

American Warrior Inc

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

29-23S-23W Hodgeman,KS

Bradford #1-29

Job Ticket: 59864 **DST#: 1**

Test Start: 2018.05.07 @ 17:10:49

GENERAL INFORMATION:

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Time Test Ended: 23:24:51

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 4635.00 ft (KB) To 4733.00 ft (KB) (TVD)
Total Depth: 4733.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

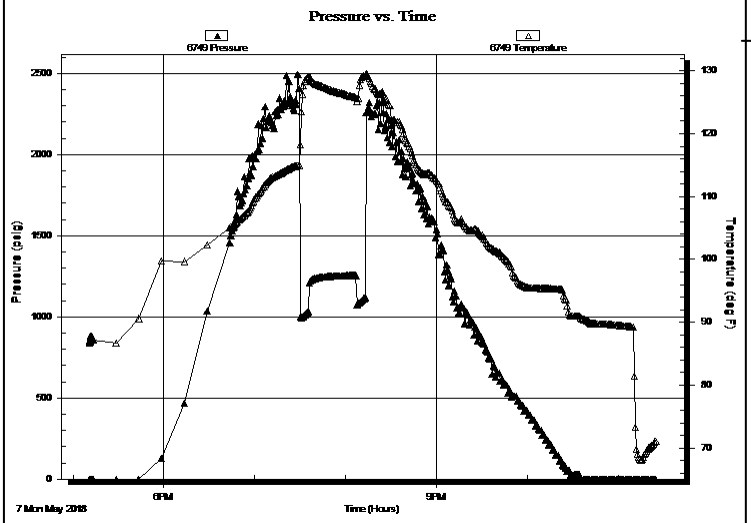
Reference Elevations: 2429.00 ft (KB)
2418.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6749 **Outside**

Press@RunDepth: psig @ 4636.00 ft (KB)
Start Date: 2018.05.07 End Date: 2018.05.07
Start Time: 17:10:58 End Time: 23:24:59

Capacity: psig
Last Calib.: 2018.05.07
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 45 seconds, Built to 126"
ISI: No Blow Back
FF: Strong Blow , BOB in 45 seconds, Built to 106"
Pulled Test W/Out FSI



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1512.00	Water	19.04
504.00	MCW 48%M 52%W	7.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

29-23S-23W Hodgeman,KS

Bradford #1-29

Job Ticket: 59864 **DST#: 1**

Test Start: 2018.05.07 @ 17:10:49

Tool Information

Drill Pipe:	Length:	4386.00 ft	Diameter:	3.80 inches	Volume:	61.52 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	238.00 ft	Diameter:	2.25 inches	Volume:	1.17 bbl	Weight to Pull Loose:		100000.0 lb
					Total Volume:	62.69 bbl	Tool Chased		ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	78000.00 lb
Depth to Top Packer:		4635.00 ft						Final	90000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		98.00 ft							
Tool Length:		124.00 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			4614.00		
Hydraulic tool	5.00			4619.00		
Jars	5.00			4624.00		
Safety Joint	2.00			4626.00		
Packer	5.00			4631.00	26.00	Bottom Of Top Packer
Packer	4.00			4635.00		
Stubb	1.00			4636.00		
Recorder	0.00	8875	Inside	4636.00		
Recorder	0.00	6749	Outside	4636.00		
Perforations	4.00			4640.00		
Change Over Sub	1.00			4641.00		
Drill Pipe	63.00			4704.00		
Change Over Sub	1.00			4705.00		
Perforations	25.00			4730.00		
Bullnose	3.00			4733.00	98.00	Bottom Packers & Anchor
Total Tool Length:	**124.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

PO Box 399
Garden City, KS 67846

ATTN: Luke Thompson

29-23S-23W Hodgeman,KS

Bradford #1-29

Job Ticket: 59864 **DST#: 1**

Test Start: 2018.05.07 @ 17:10:49

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:	49000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3100.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1512.00	Water	19.041
504.00	MCW 48%M 52%W	7.070

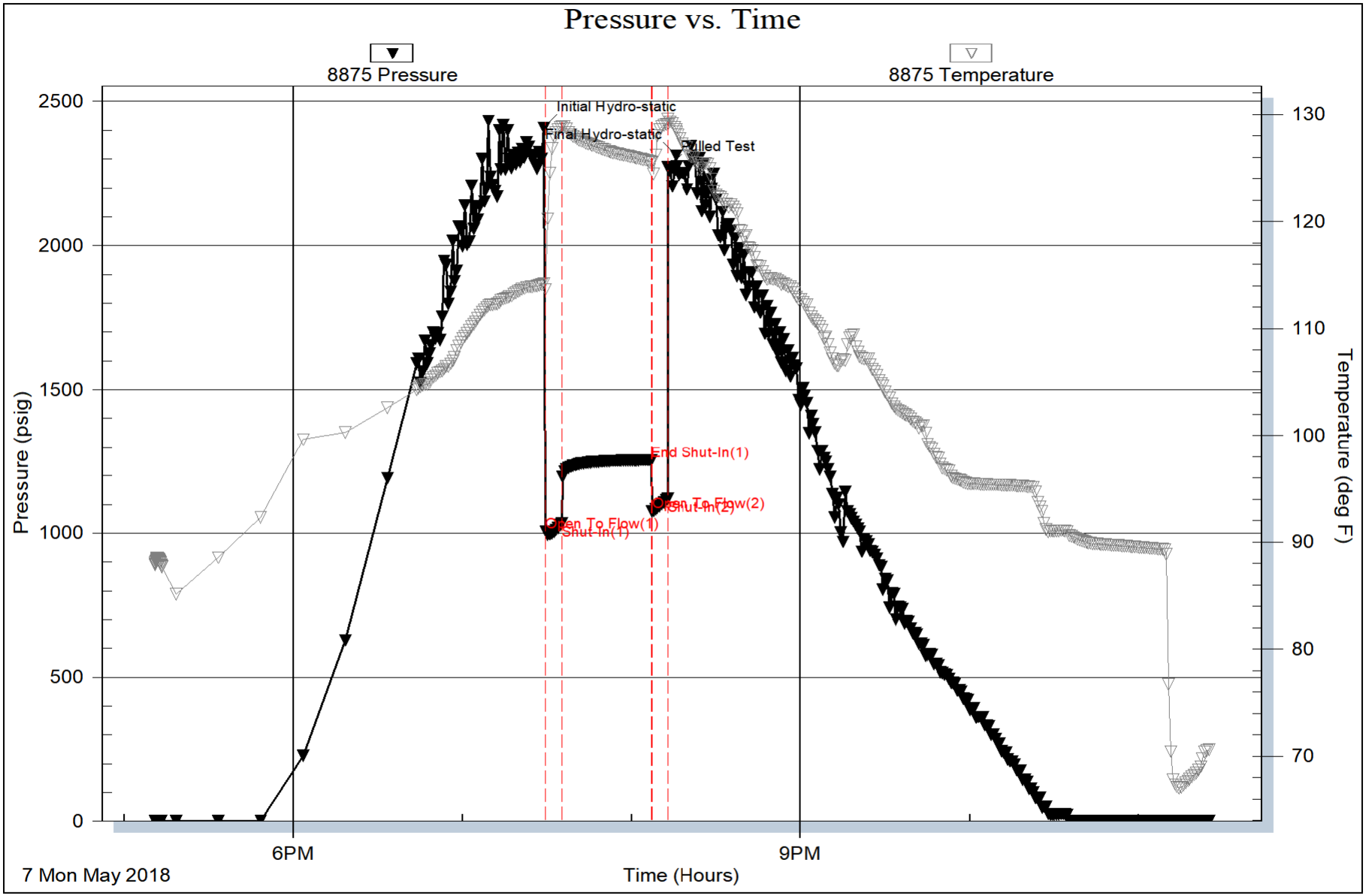
Total Length: 2016.00 ft Total Volume: 26.111 bbl

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

Laboratory Name: Laboratory Location:

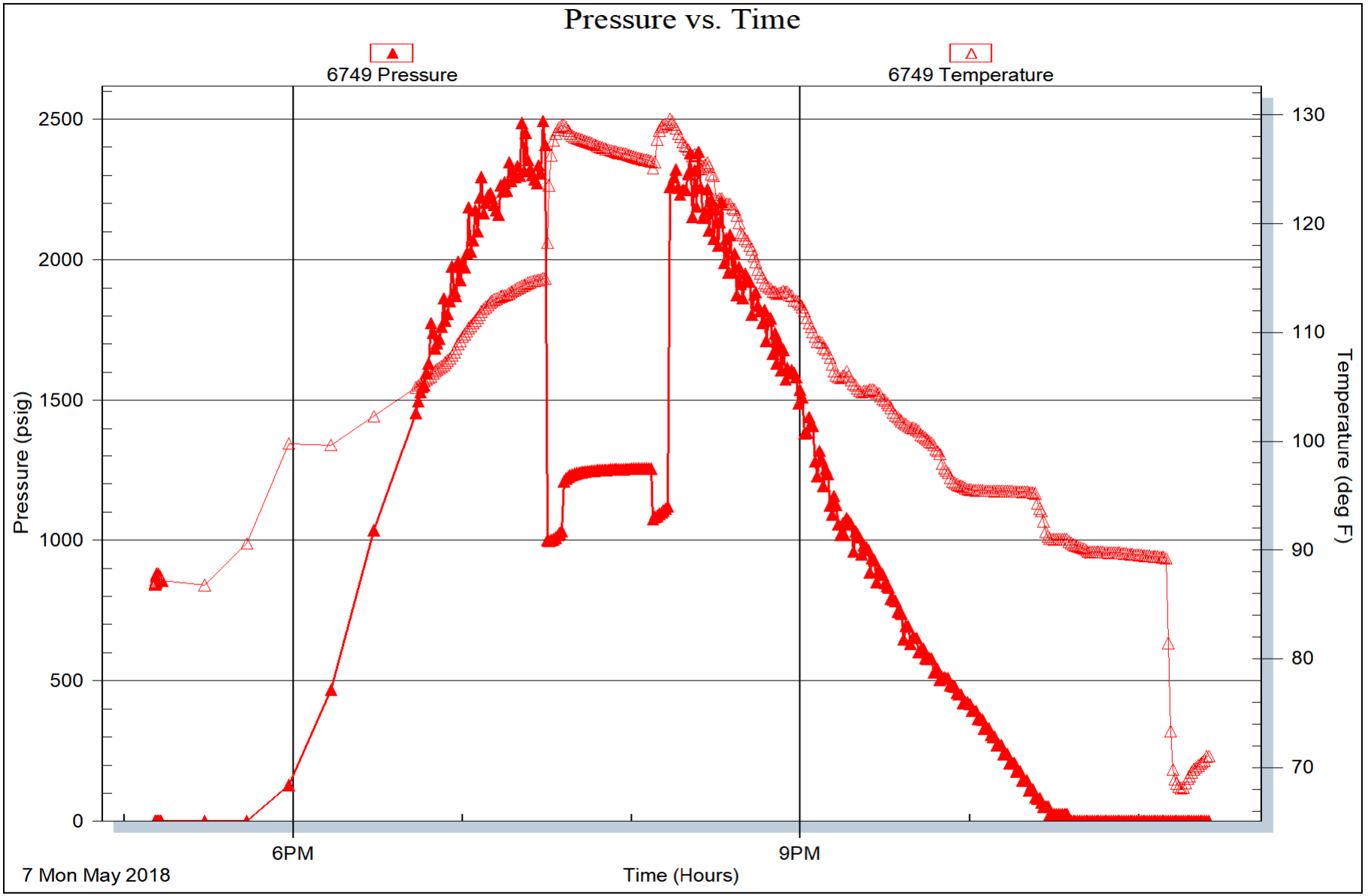
Recovery Comments: RW w as .14 @ 75 degrees

Serial #: 8875 **Inside** American Warrior Inc Bradford #1-29 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59864 Printed: 2018.05.08 @ 14:40:34

Serial #: 6749 **Outside** American Warrior Inc Bradford #1-29 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59864 Printed: 2018.05.08 @ 14:40:34

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 59864

Well Name & No. Bradford 1-29 Test No. 1 Date 05/07/18

Company American Warrior Inc Elevation 2429 KB 2418 GL

Address PO Box 399 Garden City, KS 67846

Co. Rep / Geo. Luke Thompson Rig Duke 5

Location: Sec. 29 Twp. 23S Rge. 23W Co. Hodgeman State KS

Interval Tested 4635 – 4733 Zone Tested Cherokee Sand

Anchor Length 98 Drill Pipe Run 4386 Mud Wt. 9.4

Top Packer Depth 4630 Drill Collars Run 238 Vis 56

Bottom Packer Depth 4635 Wt. Pipe Run 0 WL 8.8

Total Depth 4733 Chlorides 3100 ppm System LCM 2

Blow Description IF: Strong Blow, BOB in 45 seconds, Built to 126 inches

ISI: NO Blow Back

FF: Strong Blow, BOB in 45 seconds, Built to 106 inches

Pulled test W/out FSI

Rec 504	Feet of [redacted] MCW	%gas	%oil 52	%water 48	%mud	
Rec 1512	Feet of water	%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 2016 BHT 128 Gravity NIC API RW .14 @ 75 °F Chlorides 49000 ppm

(A) Initial Hydrostatic 2409	☑ Test 1150	T-On Location 16:00	
(B) First Initial Flow 1006	☑ Jars 250	T-Started 17:10	
(C) First Final Flow 1034	☑ Safety Joint 75	T-Open 19:29	
(D) Initial Shut-In 1253	☐ Circ Sub	T-Pulled 20:15	
(E) Second Initial Flow 1075	☐ Hourly Standby	T-Out 23:24	
(F) Second Final Flow 1119	☑ Mileage 175 (175)	Comments	
(G) Final Shut-In N/A	☐ Sampler		
(H) Final Hydrostatic 2312	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 5	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow 5	☐ Day Standby	Total 1650	
Final Shut-In N/A	☐ Accessibility	MP/DST Disc't	
	Sub Total 1650		

Approved By _____ Our Representative _____