

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



Services, Inc.

CHARGE TO: Ameson Darter
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF 1

TICKET 031556

1. SERVICE LOCATIONS <u>base city ks</u>	WELL/PROJECT NO. <u>1-19</u>	LEASE <u>W0302</u>	COUNTY/PARISH <u>Ellsworth</u>	STATE <u>KS</u>	CITY <u>Clafin</u>	DATE <u>2 July 18</u>	OWNER	
2. TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR	RIG NAME/NO. <u>2</u>	SHIPPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	DELIVERED TO <u>location</u>	WELL PERMIT NO.	ORDER NO.		
3. WELL TYPE <u>0-1</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>connect surface pipe</u>	WELL LOCATION <u>19-16-10</u>					
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY. U/M			UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.		
575					MILEAGE					
5765					Pump Charge					
325					Standards cement					
279					Bentonite gel					
278					Calcium Chloride					
290					D-Air					
581					service charge					
583					Drayage					

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 _____

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
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	

PAGE TOTAL 6767.00

TOTAL 7017.90

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

SWIFT OPERATOR [Signature] APPROVAL [Signature]

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE: 2 July 18 PAGE NO. 1

CUSTOMER: American Dorricks WELL NO. 1-19 LEASE: Weber JOB TYPE: Cement surface pipe TICKET NO. 31556

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								260sk standard cement 2%gel 3%CC 8 5/8" x 23" 11 joints 453' TD = 453'
	1615 1745							on loc TRK 114 start 8 5/8" x 23" pipe in well
	1855							circulate well
	1904	4	65				100	Mix STD cement 2%3% 260sk @ 14.7ppg
	1920	5					100	Displace cement
	1930	5	27				150	→ cement to surface ← kickout {250sk to P/S}
								shot in 8 5/8"
	1935							work truck
								Back up
	1955							job complete thanks Blaine, Flint & scratch



Services, Inc. #138550

CHARGE TO: American Marrier Inc

TICKET 27322

ADDRESS

CITY, STATE, ZIP CODE

COUNTY/PARISH

STATE CITY

DATE

OWNER

PAGE 1 OF 2

1. Hays, KS WELLPROJECT NO. 1-19 LEASE Heber COUNTY/PARISH Ellsworth STATE KS CITY Location DATE 07/08/18 OWNER

2. Ness City, KS TICKET TYPE SALES CONTRACTOR Discovery Drilling RIG NAME/NO. Rig 2 SHIPPED VIA CT DELIVERED TO Location ORDER NO.

3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement Long String WELL PERMIT NO.

4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #114	70	mi			5.00	350.00
578					Pump Charge - Long String	1	EA			1300.00	1300.00
290					D-Air	3	gal			42.00	126.00
281					Mud Flush	500	gal			1.50	750.00
221					Liquid KCl	2	gal			25.00	50.00
482					Centralizer	10	EA		5 1/2"	70.00	700.00
483					Cement Basket	1	EA			275.00	275.00
486					Latex Down Plug & Baffle	1	EA			250.00	250.00
487					Insert Float shoe w/Auto S: 11	1	EA			325.00	325.00
419					Rotating Head Rental	1	EA			200.00	200.00

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

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

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

DATE SIGNED _____ TIME SIGNED _____

A.M. P.M.

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

CUSTOMER DID NOT WISH TO RESPOND

TOTAL 9913.93

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

SWIFT OPERATOR [Signature] APPROVED [Signature]

Thank You!



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

TICKET CONTINUATION

TICKET No. 27322

CUSTOMER: American Warrig, Inc

WELL: Ueber 1-19

DATE: 8/18/18

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	U/M	QTY	U/M		
325		2				Standard Cement	175	SKS			13.00	2275.00
284		2				Calsea	8	SKS			35.00	280.00
283		2				Salt	950	lbs			1.90	190.00
292		2				Halad 322	124	lbs			8.00	992.00
276		2				Flocele	44	lbs			2.50	110.00
581		2				Service Charge Cement	175	SKS			1.75	306.25
583		2				Mileage Charge	183.68	Ordered Miles	70		0.85	546.45
							GROSS TON MILES		1642.88			
CONTINUATION TOTAL												4699.20

JOB LOG

SWIFT Services, Inc.

DATE 07/08/18 PAGE NO. 1

CUSTOMER **AWI** WELL NO. **1-19** LEASE **Weber** JOB TYPE **Long string** TICKET NO. **27322**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0200							On location w/Float Equipment.
								RTD - 3500'
								LTD - 3499'
								94 Jts of 5 1/2" x 14#
								Set at - 3497.72'
								Shoe It - 24.15'
								Insert - 3473.57'
								Centralizers - 1, 4, 6, 8, 10, 12
								Basket - #2
	0205							Start Running Casing w/FE.
	0330							Break Circulation on Bottom.
	0415	2 1/2	7					Plug Rathole w/30 SKS
		2 1/2	5					Plug Mousehole w/15 SKS
	0425	5	12				300	Start Mud Flush
		5	20				300	Jump K.L. Spacer
	0435	3 1/2					300	Start Cmt - 130 SKS EA2.
	0445	3 1/2	36				Vac	Fin Cmt
								Drop Plug
								Washout Pump & Lines
	0455						Vac	Start Displacement
			66				200	Catch Cmt
	0515		85				600	Fin Displacement Lift 800#
								Land, 1500#
	0520							Release, Dry,
								Washup truck
	0530							Rack up
								Job Complete
								Thanks
								Jon, Flint, Isaac



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Weber #1-19

19-16S-10W Ellsworth,KS

Start Date: 2018.07.05 @ 23:24:00

End Date: 2018.07.06 @ 04:50:02

Job Ticket #: 63881 DST #: 1

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

Printed: 2018.07.11 @ 10:25:50



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

19-16S-10W Ellsworth, KS
Weber #1-19
 Job Ticket: 63881 **DST#: 1**
 Test Start: 2018.07.05 @ 23:24:00

GENERAL INFORMATION:

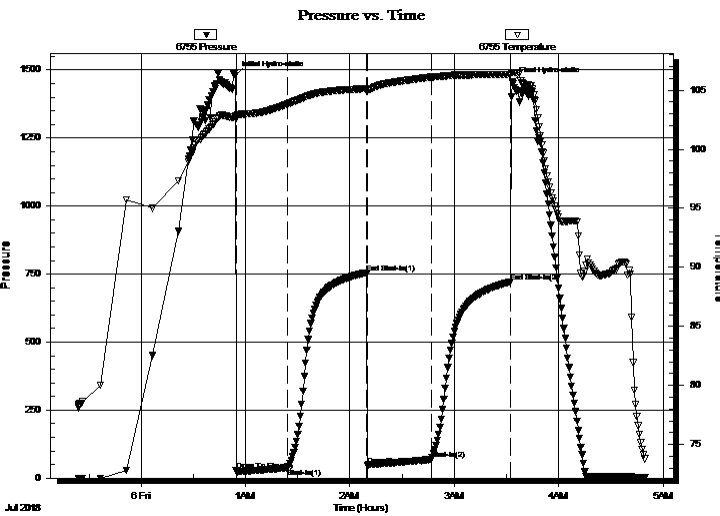
Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:54:32
 Time Test Ended: 04:50:02
 Interval: **3059.00 ft (KB) To 3090.00 ft (KB) (TVD)**
 Total Depth: 3090.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 1893.00 ft (KB)
 1885.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6755

Inside

Press@RunDepth: 68.82 psig @ 3060.00 ft (KB) Capacity: psig
 Start Date: 2018.07.05 End Date: 2018.07.06 Last Calib.: 2018.07.06
 Start Time: 23:24:01 End Time: 04:50:02 Time On Btm: 2018.07.06 @ 00:54:02
 Time Off Btm: 2018.07.06 @ 03:33:32

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 5 min Total build 28"
 ISI 45 Minutes No blow back
 FFP 30 Minutes Blow built to BOB in 18 min Total build 18"
 FSI 45 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1478.71	102.84	Initial Hydro-static
1	28.05	102.64	Open To Flow (1)
31	37.87	103.84	Shut-In(1)
76	754.90	105.09	End Shut-In(1)
77	47.32	105.02	Open To Flow (2)
113	68.82	106.11	Shut-In(2)
159	721.77	106.35	End Shut-In(2)
160	1455.69	106.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OGWVG 10% Emuls O 15% W 25% M5	1.74
0.00	434' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

19-16S-10W Ellsworth, KS
Weber #1-19
 Job Ticket: 63881 **DST#: 1**
 Test Start: 2018.07.05 @ 23:24:00

GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:54:32
 Time Test Ended: 04:50:02
 Interval: **3059.00 ft (KB) To 3090.00 ft (KB) (TVD)**
 Total Depth: 3090.00 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: 1893.00 ft (KB)
 1885.00 ft (CF)
 KB to GR/CF: 8.00 ft

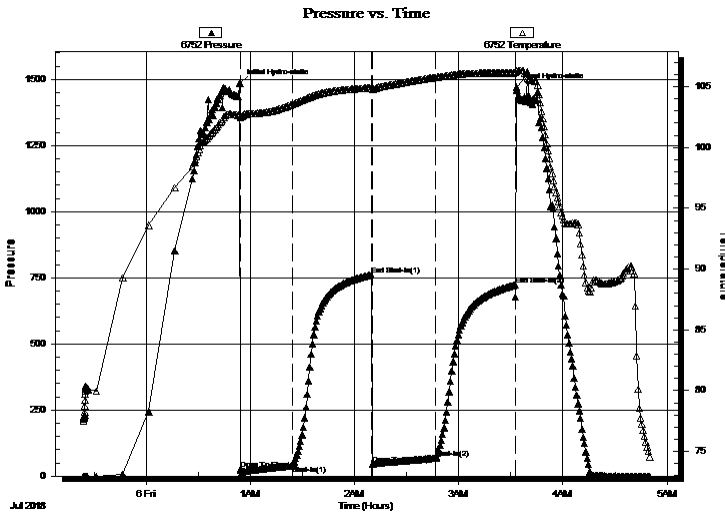
Serial #: 6752

Outside

Press@RunDepth: 722.84 psig @ 3061.00 ft (KB) Capacity: psig
 Start Date: 2018.07.05 End Date: 2018.07.06 Last Calib.: 2018.07.06
 Start Time: 23:24:01 End Time: 04:50:02 Time On Btm: 2018.07.06 @ 00:54:02
 Time Off Btm: 2018.07.06 @ 03:33:17

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 5 min Total build 28"
 ISI 45 Minutes No blow back
 FFP 30 Minutes Blow built to BOB in 18 min Total build 18"
 FSI 45 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1485.62	102.67	Initial Hydro-static
1	27.41	102.42	Open To Flow (1)
31	39.22	103.55	Shut-In(1)
76	760.10	104.87	End Shut-In(1)
77	44.05	104.80	Open To Flow (2)
113	68.77	105.76	Shut-In(2)
159	722.84	106.16	End Shut-In(2)
160	1470.49	106.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OGWGMG 10% Emuls O 15% W 25% M5	1.74
0.00	434' 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.

19-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

Weber #1-19

Job Ticket: 63881

DST#: 1

ATTN: Jason Alm

Test Start: 2018.07.05 @ 23:24:00

Tool Information

Drill Pipe:	Length: 2720.00 ft	Diameter: 3.80 inches	Volume: 38.15 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 348.00 ft	Diameter: 3.80 inches	Volume: 4.88 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: 52000.00 lb
			<u>Total Volume: 43.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3059.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 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			3044.00	
Hydraulic tool	5.00			3049.00	
Top Packer	5.00			3054.00	
Packer	5.00			3059.00	20.00 Bottom Of Top Packer
Recorder	1.00	6755	Inside	3060.00	
Recorder	1.00	6752	Outside	3061.00	
Anchor	26.00			3087.00	
Bullnose	3.00			3090.00	31.00 Anchor Tool

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

19-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

Weber #1-19

Job Ticket: 63881

DST#: 1

ATTN: Jason Alm

Test Start: 2018.07.05 @ 23:24:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	OGWMM G 10% Emuls O 15% W 25% M 50%	1.739
0.00	434' GIP	0.000

Total Length: 124.00 ft Total Volume: 1.739 bbl

Num Fluid Samples: 0

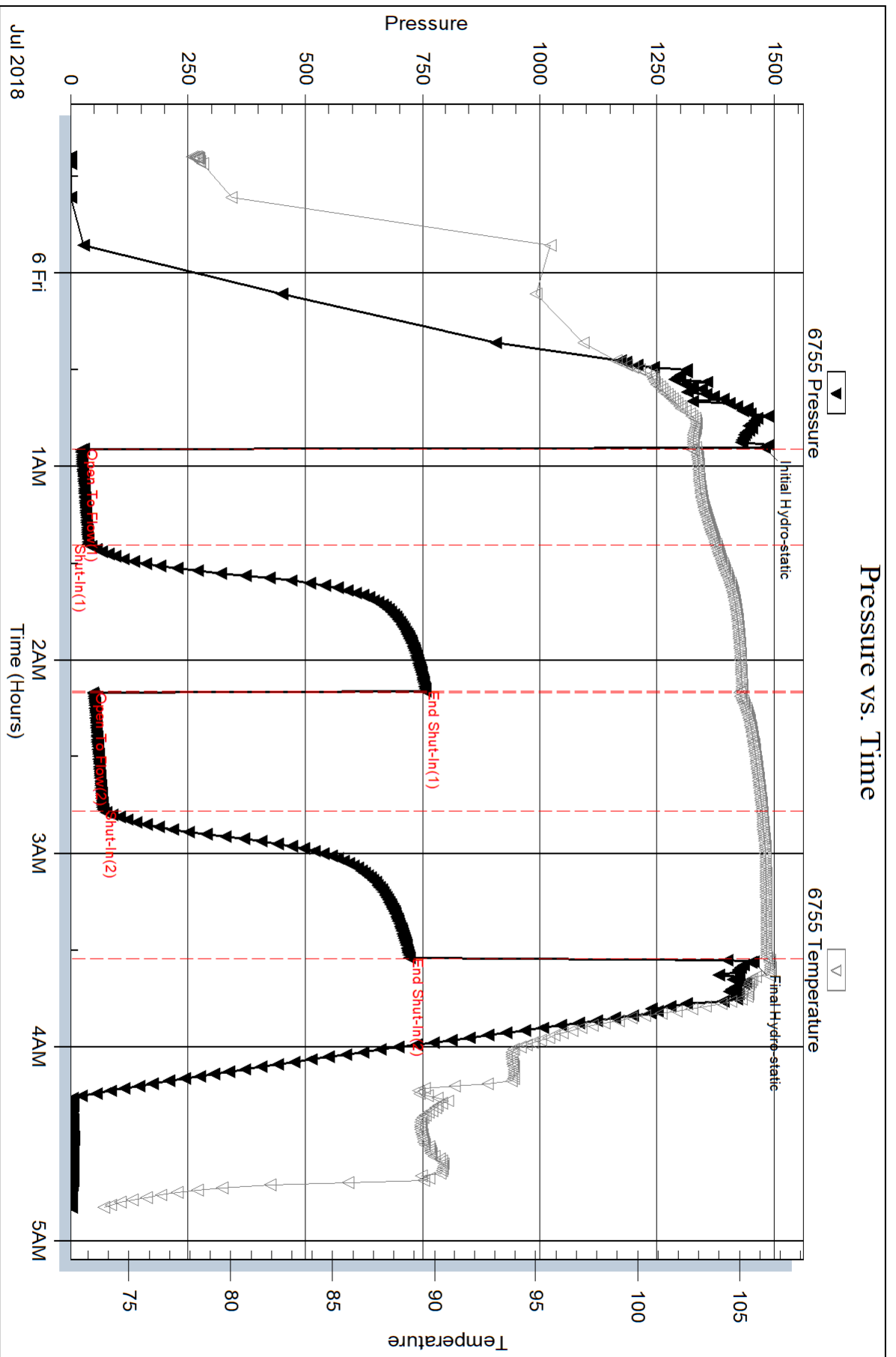
Num Gas Bombs: 0

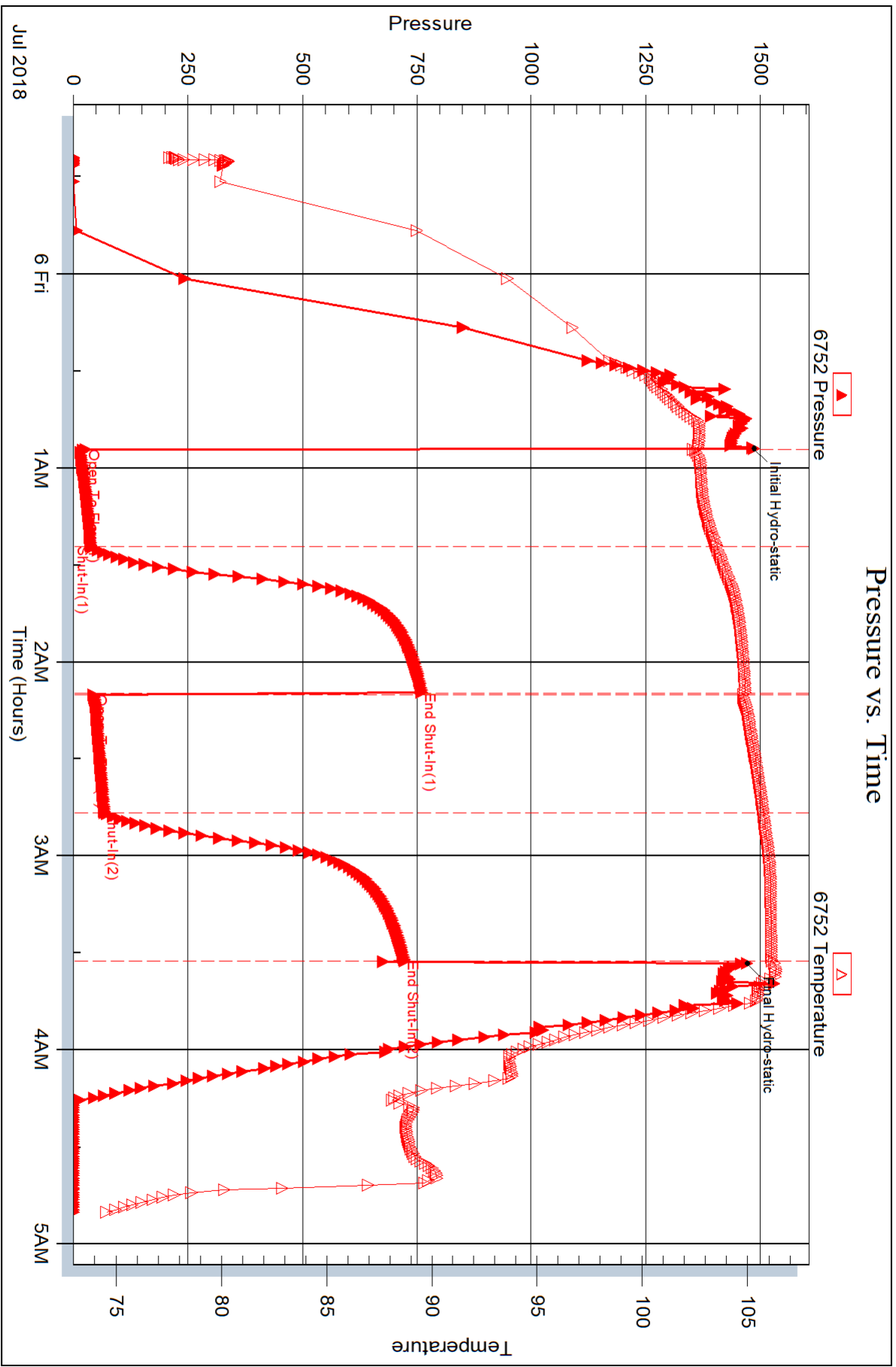
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jason Alm

Weber #1-19

19-16S-10W Ellsworth,KS

Start Date: 2018.07.06 @ 18:31:00

End Date: 2018.07.07 @ 00:47:02

Job Ticket #: 63882 DST #: 2

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

Printed: 2018.07.11 @ 10:25:17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

19-16S-10W Ellsworth, KS
Weber #1-19
 Job Ticket: 63882 **DST#: 2**
 Test Start: 2018.07.06 @ 18:31:00

GENERAL INFORMATION:

Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:02:17
 Time Test Ended: 00:47:02
 Interval: **3170.00 ft (KB) To 3259.00 ft (KB) (TVD)**
 Total Depth: 3259.00 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: 1893.00 ft (KB)
 1885.00 ft (CF)
 KB to GR/CF: 8.00 ft

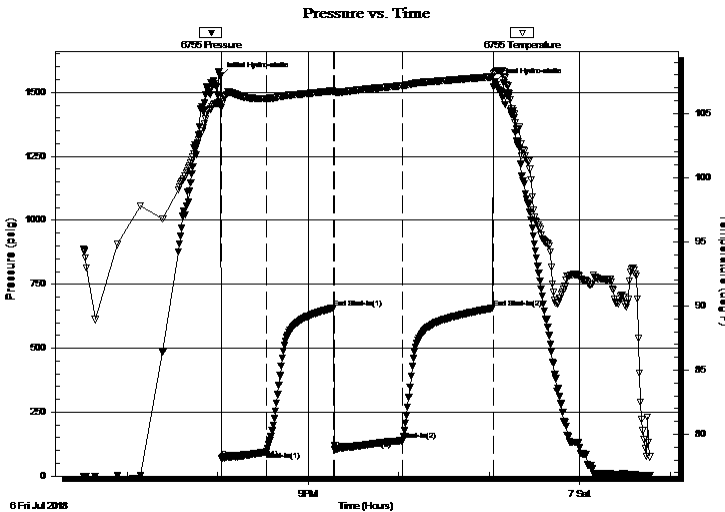
Serial #: 6755

Inside

Press@RunDepth: 138.25 psig @ 3254.55 ft (KB) Capacity: psig
 Start Date: 2018.07.06 End Date: 2018.07.07 Last Calib.: 2018.07.07
 Start Time: 18:31:01 End Time: 00:47:02 Time On Btm: 2018.07.06 @ 20:01:47
 Time Off Btm: 2018.07.06 @ 23:03:47

TEST COMMENT: IFP 30 Minutes Blow to BOB in 5 min -Total built to 78 1/2"
 ISI 45 Minutes No blow back
 FFP 45 Minutes Blow to BOB in 1 min/ Total build 104"
 FSI 60 Minutes Blow back built additional 3"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.63	105.90	Initial Hydro-static
1	67.94	105.47	Open To Flow (1)
31	95.46	106.18	Shut-In(1)
75	658.03	106.74	End Shut-In(1)
76	103.58	106.68	Open To Flow (2)
121	138.25	107.17	Shut-In(2)
181	657.22	107.92	End Shut-In(2)
182	1539.63	108.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
217.00	VGOCM Mud 15% Oil 25% Gas 60%	3.04
0.00	713' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

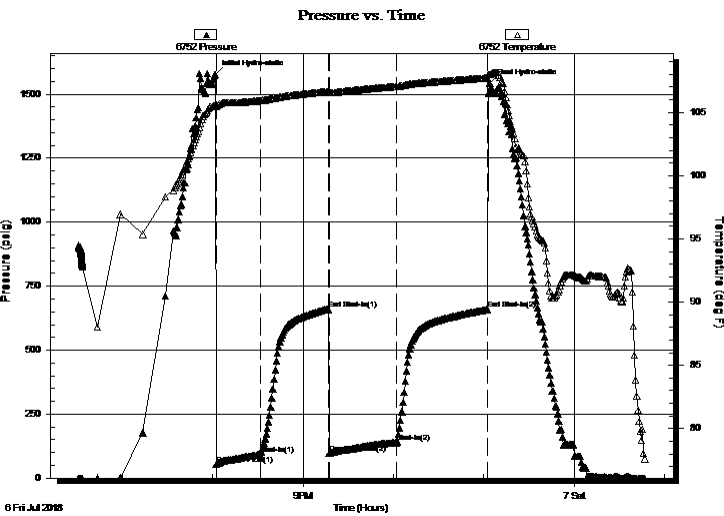
19-16S-10W Ellsworth, KS
Weber #1-19
 Job Ticket: 63882 **DST#: 2**
 Test Start: 2018.07.06 @ 18:31:00

GENERAL INFORMATION:

Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:02:17
 Time Test Ended: 00:47:02
 Interval: **3170.00 ft (KB) To 3259.00 ft (KB) (TVD)**
 Total Depth: 3259.00 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: 1893.00 ft (KB)
 1885.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6752 Outside
 Press@RunDepth: 659.03 psig @ 3255.55 ft (KB) Capacity: psig
 Start Date: 2018.07.06 End Date: 2018.07.07 Last Calib.: 2018.07.07
 Start Time: 18:31:01 End Time: 00:47:02 Time On Btm: 2018.07.06 @ 20:01:47
 Time Off Btm: 2018.07.06 @ 23:03:47

TEST COMMENT: IFP 30 Minutes Blow to BOB in 5 min -Total built to 78 1/2"
 ISI 45 Minutes No blow back
 FFP 45 Minutes Blow to BOB in 1 min/ Total build 104"
 FSI 60 Minutes Blow back built additional 3"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1576.04	105.61	Initial Hydro-static
1	53.84	105.46	Open To Flow (1)
31	93.90	105.94	Shut-In(1)
75	661.17	106.64	End Shut-In(1)
76	97.87	106.58	Open To Flow (2)
121	139.07	107.05	Shut-In(2)
181	659.03	107.75	End Shut-In(2)
182	1542.16	107.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
217.00	VGOCM Mud 15% Oil 25% Gas 60%	3.04
0.00	713' 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.

19-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

Weber #1-19

Job Ticket: 63882

DST#: 2

ATTN: Jason Alm

Test Start: 2018.07.06 @ 18:31:00

Tool Information

Drill Pipe:	Length: 2819.00 ft	Diameter: 3.80 inches	Volume: 39.54 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 348.00 ft	Diameter: 3.80 inches	Volume: 4.88 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: 64000.00 lb
			<u>Total Volume: 44.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3170.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.55 ft			
Tool Length:	108.55 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3155.00	
Hydraulic tool	5.00			3160.00	
Top Packer	5.00			3165.00	
Packer	5.00			3170.00	20.00 Bottom Of Top Packer
Anchor	4.00			3174.00	
Change Over Sub	1.00			3175.00	
Drill Pipe	62.55			3237.55	
Change Over Sub	1.00			3238.55	
Anchor	15.00			3253.55	
Recorder	1.00	6755	Inside	3254.55	
Recorder	1.00	6752	Outside	3255.55	
Bullnose	3.00			3258.55	88.55 Anchor Tool

Total Tool Length: 108.55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc.

19-16S-10W Ellsworth, KS

PO Box 399
Garden City, KS 67846

Weber #1-19

Job Ticket: 63882

DST#: 2

ATTN: Jason Alm

Test Start: 2018.07.06 @ 18:31:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
217.00	VGOCM Mud 15% Oil 25% Gas 60%	3.044
0.00	713' GIP	0.000

Total Length: 217.00 ft Total Volume: 3.044 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

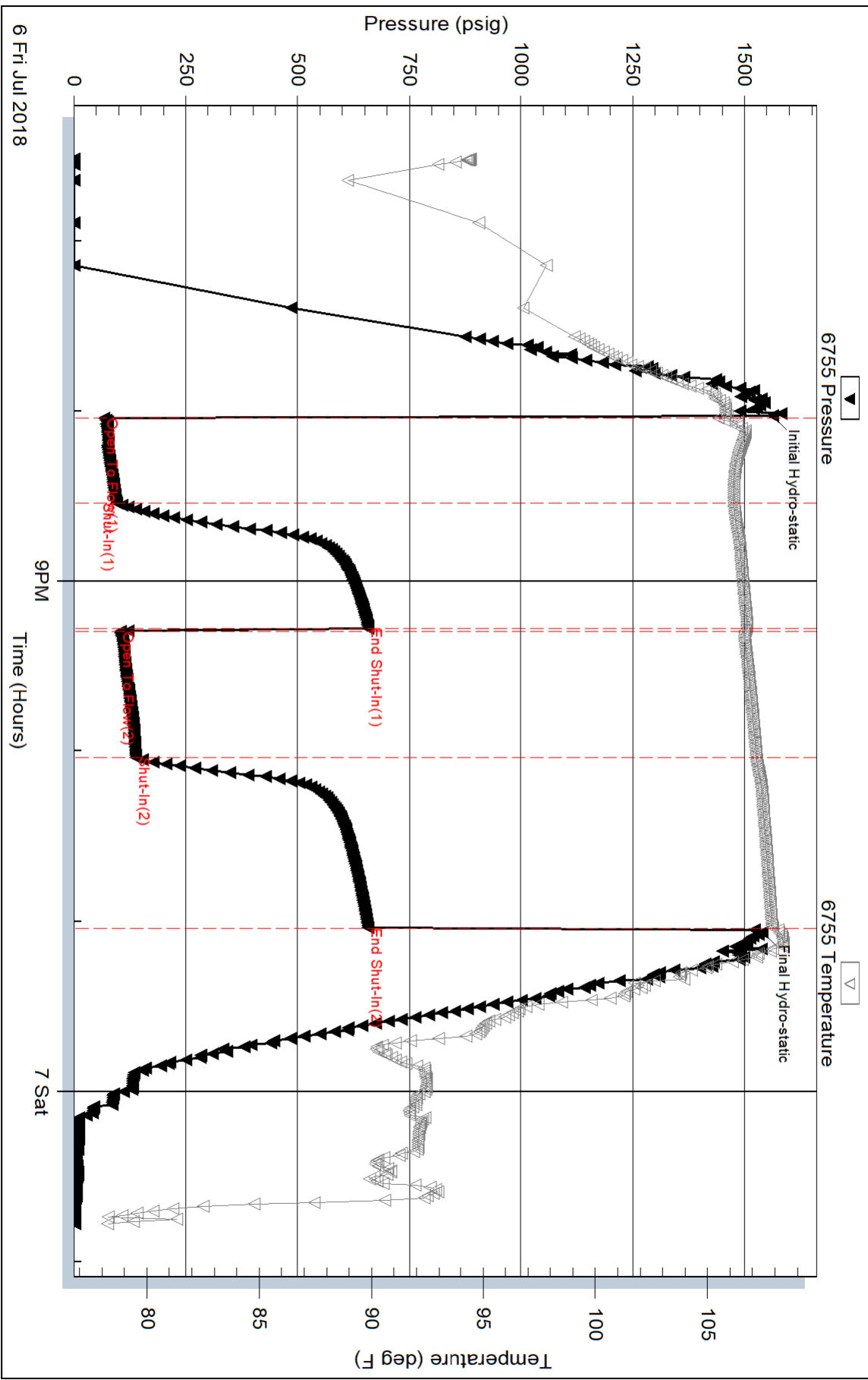
Serial #:

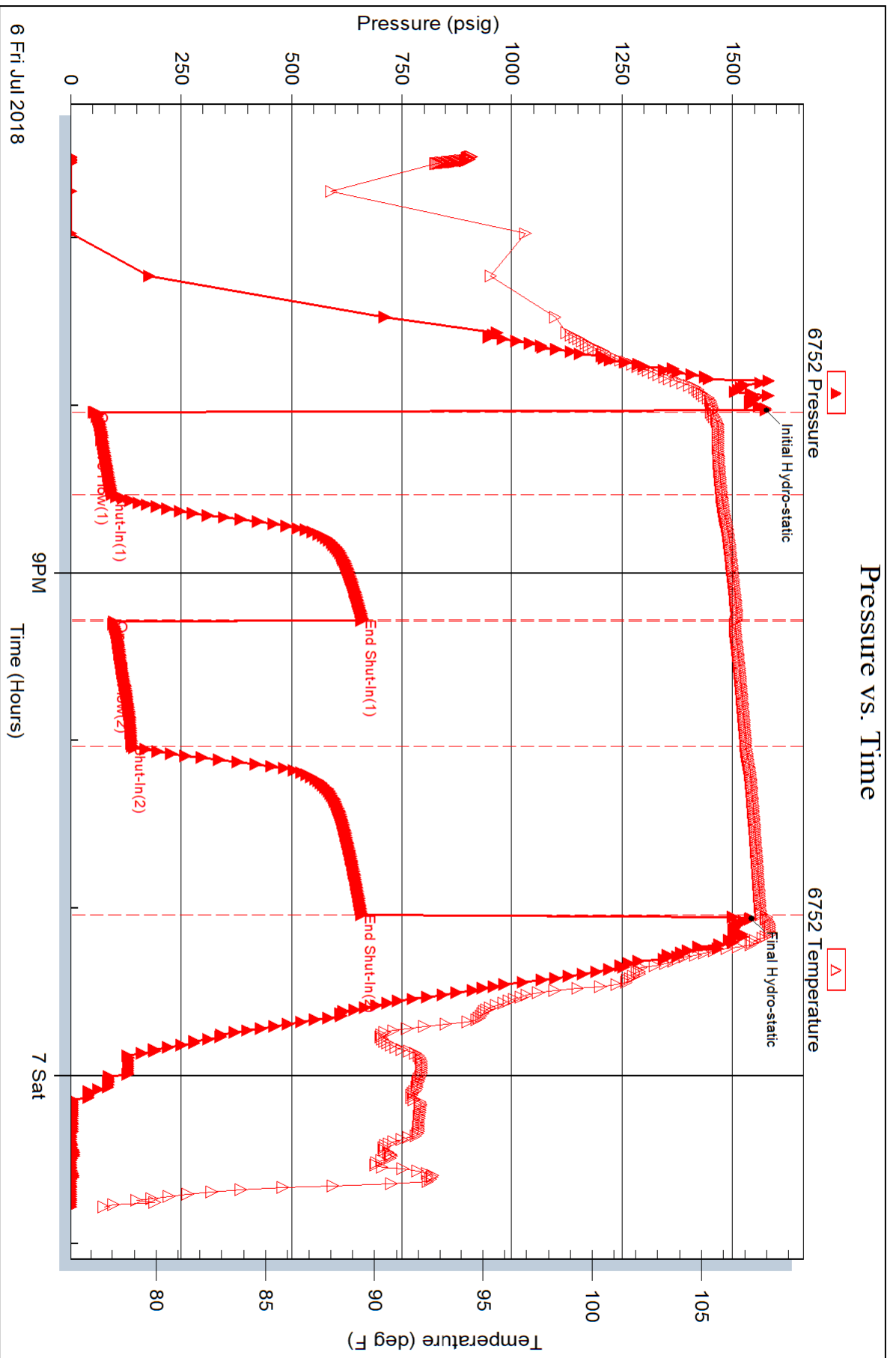
Laboratory Name:

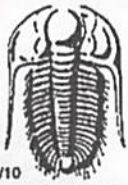
Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63881

Well Name & No. Weber #179 Test No. 1 Date 6 Jul 18
 Company American Warrior Inc Elevation 1893 KB 1885 GL
 Address PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 2
 Location: Sec. 19 Twp 16S Rge. 10W Co. Ellsworth State KS

Interval Tested 3059-3090 Zone Tested Lansing/Kansas City zone C
 Anchor Length 31 Drill Pipe Run 2720 Mud Wt. 8.6
 Top Packer Depth 3054 Drill Collars Run — Vis 54
 Bottom Packer Depth 3059 Wt. Pipe Run 348 WL 92
 Total Depth 3090 Chlorides 7200 ppm System LCM 1/2

Blow Description I.F. Blow built to BOB in 5 minutes/Total build 28 inches
I.S.I. No blow back
F.F. Blow built to BOB in 18 minutes/Total build 18 inches
F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>0.14 Gas cut watery mud</u>	<u>10</u>	<u>15</u>	<u>25</u>	<u>50</u>
<u>434</u>	<u>GIP</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 Total 124 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1478 Test 1050 T-On Location 8:30 pm
 (B) First Initial Flow 28 Jars _____ T-Started 9:56 pm
 (C) First Final Flow 37 Safety Joint _____ T-Open 11:24 pm
 (D) Initial Shut-In 754 Circ Sub _____ T-Pulled 1:54 am
 (E) Second Initial Flow 47 Hourly Standby _____ T-Out 3:21 am
 (F) Second Final Flow 68 Mileage 122 58rt
 (G) Final Shut-In 721 Sampler _____
 (H) Final Hydrostatic 1455 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 45 Day Standby _____ Sub Total 0
 Sub Total 1108 Accessibility _____ Total 1108
 Sub Total 1108 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63882

Well Name & No. Weber #1-19 Test No. 2 Date 6 Jul 18
 Company American Warrior Inc. Elevation 1893 KB 1885 GL
 Address PO Box 399 Garden City Kansas 67846
 Co. Rep / Geo. Jason Alm Rig Discovery Rig 2
 Location: Sec. 19 Twp 16S Rge. 10W Co. Ellsworth State KS

Interval Tested 3170-3259 Zone Tested Lansing/Kansas City zones H,I,J
 Anchor Length 89 Drill Pipe Run 2819 Mud Wt. 9.0
 Top Packer Depth 3165 Drill Collars Run - Vls 52
 Bottom Packer Depth 3170 Wt. Pipe Run 348 WL 12.2
 Total Depth 3259 Chlorides 10,200 ppm System LCM 1/2

Blow Description I.F. Blow built to BOB in 5 min / Total build 78 1/2 inches
I.S.I No blow back
F.E Blow built to BOB in 1 min / Total build 104 inches
F.S.I Blow back built additional 3 inches

Rec	Feet of	%gas	%oil	%water	%mud
<u>217</u>	<u>Mud cut 0.14 Gas</u>	<u>60</u>	<u>25</u>	<u></u>	<u>15</u>
<u>713</u>	<u>GIP</u>	<u>100</u>	<u></u>	<u></u>	<u></u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 217 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1562 Test 1050 T-On Location 604 pm
 (B) First Initial Flow 67 Jars _____ T-Started 631 pm
 (C) First Final Flow 95 Safety Joint _____ T-Open 803 pm
 (D) Initial Shut-In 658 Circ Sub _____ T-Pulled 1103 pm
 (E) Second Initial Flow 103 Hourly Standby _____ T-Out 1247 am
 (F) Second Final Flow 138 Mileage 122 58 Comments _____
 (G) Final Shut-In 657 Sampler _____
 (H) Final Hydrostatic 1539 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1108
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1108

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.

Geological Report

Weber #1-29

926' FSL & 1779' FWL

Sec. 19 T16s R10w

Ellsworth County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Weber #1-19
926' FSL & 1779' FWL
Sec. 19 T16s R10w
Ellsworth County, Kansas
API # 15-053-21364-0000

Drilling Contractor: Discovery Drilling Co, Inc. Rig #2

Geologist: Jason T Alm

Spud Date: July 2, 2018

Completion Date: July 7, 2018

Elevation: 1885' Ground Level
1893' Kelly Bushing

Directions: Wilson KS, south 12.5 mi to Q rd. East ¼ mi.
North into location

Casing: 453' 8 5/8" surface casing
3498' 5 1/2" production casing

Samples: 10' wet and dry, 2650' to RTD

Drilling Time: 2600' to RTD

Electric Logs: Pioneer Energy Services "Justin Hendrickson"
CNL/CDL, DIL, MEL

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

Problems: None

Remarks: None

Formation Tops

	American Warrior, Inc.
	Weber #1-19
	Sec. 19 T16s R10w
Formation	926' FSL & 1779' FWL
Anhydrite	694' +1199
Base	722' +1171
Topeka	2676' -786
Heebner	2923' -1030
Toronto	2942' -1049
Douglas	2954' -1061
Brown Lime	3024' -1131
Lansing	3044' -1151
BKC	3312' -1419
Arbuckle	3368' -1475
LTD	3499' -1606
RTD	3500' -1607

Sample Zone Descriptions

LKC A

(3044' -1151): Not Tested

Ls – Fine crystalline, oolitic packstone with fair to good oomoldic porosity, light spotted oil stain in porosity, slight show of free oil when broken, very light odor, dull yellow fluorescents, 22 units hotwire.

LKC C

(3071' -1178): Covered in DST #1

Ls – Fine crystalline, oolitic packstone with good oomoldic porosity, light to good oil stain, fair show of free oil when broken, barren in part, good cut fluorescents, 114 units hotwire.

LKC H

(3044' -1151): Covered in DST #2

Ls – Fine crystalline, oolitic packstone with good oomoldic porosity, light to fair oil stain in part, slight show of free oil when broken, few gas bubbles on break, light odor, many barren rocks, scattered fair cut, 128 units hotwire.

LKC J

(3221' -1328): Covered in DST #2

Ls – Fine crystalline, oolitic packstone with fair to good oomoldic porosity, light to fair oil stain in few rocks, very slight show of free oil, dull yellow cut flourescents, 81 units hotwire.

Arbuckle

(3224' -1497): Not Tested

Dolo – Fine to medium rhombic crystalline with poor to fair inter-crystalline and vuggy porosity, light scattered oil stain in porosity, no show of free oil, light yellow flourescents, strong sour odor, no gas kick.

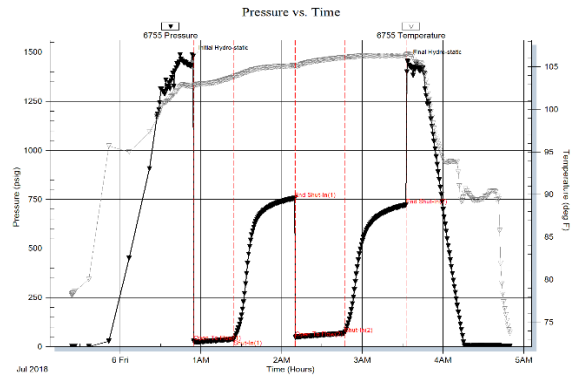
Drill Stem Tests
Trilobite Testing, Inc.
“Ken Swinney”

DST #1 LKC C zone

Interval (3059' – 3090') Anchor Length 31'

- IHP – 1479 #
- IFP – 30” – B.O.B. 5 min. 28-38 #
- ISI – 45” – Dead 755 #
- FFP – 30” – B.O.B. 18 min. 47-69 #
- FSI – 45” – Dead 722 #
- FHP – 1456 #
- BHT – 106°F

Recovery: 434' GIP
124' O&GCWM 15% Oil, 25% Water

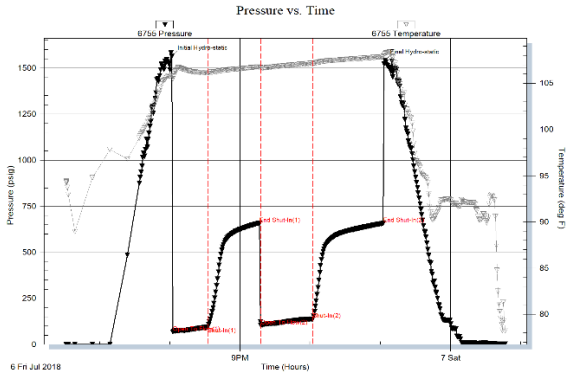


DST #2 LKC H thru J zones

Interval (3170' – 3259') Anchor Length 89'

- IHP – 1563 #
- IFP – 30” – B.O.B. 5 min. 67-95 #
- ISI – 45” – Dead 658 #
- FFP – 45” – B.O.B. 1 min. 103-138 #
- FSI – 60” – Built to 3 in. 657 #
- FHP – 1539 #
- BHT – 108°F

Recovery: 713' GIP
217' MCGO 25% Oil



Structural Comparison

Formation	American Warrior, Inc. Weber #1-19 Sec. 19 T16s R10w 926' FSL & 1779' FWL	American Warrior, Inc. Lillie #2-30 Sec. 30 T16s R10w 633' FNL & 2097' FEL	Glen Rupe Brown #1 Sec. 19 T16s R10w SE SW NE
Anhydrite	694' +1199	686' +1204	NA
Base	722' +1171	712' +1178	NA
Topeka	2676' -786	2665' -775	NA
Heebner	2923' -1030	2916' -1026	2925' -1039
Toronto	2942' -1049	2935' -1045	2944' -1058
Douglas	2954' -1061	2945' -1055	2953' -1067
Brown Lime	3024' -1131	3017' -1127	3026' -1140
Lansing	3044' -1151	3038' -1148	3042' -1156
BKC	3312' -1419	3313' -1423	NA
Arbuckle	3368' -1475	3354' -1464	NA

Summary

The location for the Weber #1-19 was found via 3-D seismic survey. The new well ran structurally as expected via the survey on all datums except the Arbuckle. Two Drill Stem Tests were conducted one of which recovered commercial amounts of oil from the Lansing-Kansas City Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Weber #1-19 well.

Recommendations

Primary:

LKC J	3229' – 3238'	DST #2
LKC H	3180' – 3186'	DST #2

Secondary:

Arbuckle 2nd break	3390' – 3394'	Not Tested
Arbuckle	3373' – 3377'	Not Tested
LKC C	3072' – 3080'	DST #1

Before Abandonment

LKC A	3044' – 3047'	Not Tested
LKC F	3015' – 3125'	Not Tested

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.