

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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CHARGE TO: American Water
 ADDRESS
 CITY, STATE, ZIP CODE

PAGE 1 OF 2

TICKET 031379

SERVICE LOCATIONS: Wesley, KS

WELL/PROJECT NO: 2-28 LEASE: Crist COUNTY/PARISH: Finney STATE: KS CITY: Shedan City DATE: 14 APR 18 OWNER: 14 APR 18

TICKET TYPE: SERVICE SALES CONTRACTOR: 5 RIG NAME NO. 5 SHIPPED: WT DELIVERED TO: Location ORDER NO. 28-21-34

WELL TYPE: 01 WELL CATEGORY: Development JOB PURPOSE: convert deep surface WELL PERMIT NO. 28-21-34

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	90	mi			5.00	450.00
576D					Pump Charge					1300.00	1300.00
400					GRUB SHOES					350.00	350.00
401					Insert float w/ ADD FILL					250.00	250.00
409					Turbidometer					105.00	315.00
410					TOP PLATE					130.00	130.00
194					Plug Container Rental					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.
 X

DATE SIGNED: _____ TIME SIGNED: _____

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2995.00
WE UNDERSTOOD AND MET YOUR NEEDS?				1650.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				1949.88
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				1060.11
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL 20576.98

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

SWIFT OPERATOR: R Campbell APPROVAL: _____

Thank You!



PO Box 466
 Ness City, KS 67560
 Off: 785.798.2300

INVOICE CONTINUATION

TICKET No. 31379

CUSTOMER: American Warrior

WELL: Crist 2-28

DATE: 19 APR 14 PAGE 2 OF 2

PRICE / REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT	
		LOB	ACCT	DF			QTY	U/M	QTY	U/M			
33D													
276						SMD cement	700	dk			16.25	11375.00	
281						Flux	175	lb			2.50	437.50	
221						MULTIFLUSH	500	gal			1.50	750.00	
						RCL David	2	gal			25.00	50.00	
581						SERVICE CHARGE					1.75	1225.00	
503						MILEAGE CHANGE					0.85	2664.38	
TOTAL WEIGHT							700						
LOADED MILES							90						
CUBIC FEET													
TON MILES							3134.36						

CONTINUATION TOTAL

16376.88

14501-88

JOB LOG

SWIFT Services, Inc.

DATE

14 APR 18

CUSTOMER

American Warriors

WELL NO.

2-28

LEASE

Crist

JOB TYPE

Cement deep surface

TICKET NO.

31379

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								700 sk SMD cement w/ 1/4" Floccula
								8 5/8" x 23" casing 41 joints 1742'
								TD = 1750' shoe it Turbulator 1, 7, 21
								Cement bucket #17, 035' below usable water
	1100							on loc 78 x 44
	1230							start 8 5/8" x 23" casing in well
	1435							Prop ball & circulate
	1505	5	12			200		Pump 500 gal mud flush
		5	20			200		Pump 20 bbl KCl flush
	1514	5 1/4	111			200		mix SMD cement 250sk @ 11.8 ppg
		5 1/4	114			200		300sk @ 12.5 ppg
		5 1/4	23			200		75sk @ 13.5 ppg
		4 1/4	20			0		75sk @ 14.5 ppg
			268 BBLs					700sk total
								Release plug
								wash out pump & line
	1630	6				200		Displace plug
		6						→ cement to surface ←
		6	100			450		} 50sk to P+5
	1700	5	109			1200		
								shut in 8 5/8"
								Release pump to truck
	1705							Wash truck
	1720							Pack up
								job complete
								Thanks
								Blaine, Flint, Russ & Isaac



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc

28 21s 34w Finney, Ks

PO Box 399
Garden City, Ks 67846

Crist 2-28

Job Ticket: 63656

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.19 @ 12:56:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:49:45

Time Test Ended: 20:54:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

Interval: 4352.00 ft (KB) To 4400.00 ft (KB) (TVD)

Reference Elevations: 2981.00 ft (KB)

Total Depth: 4400.00 ft (KB) (TVD)

2970.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8319 Outside

Press@RunDepth: 242.08 psig @ 4353.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.04.19

End Date: 2018.04.19

Last Calib.: 2018.04.19

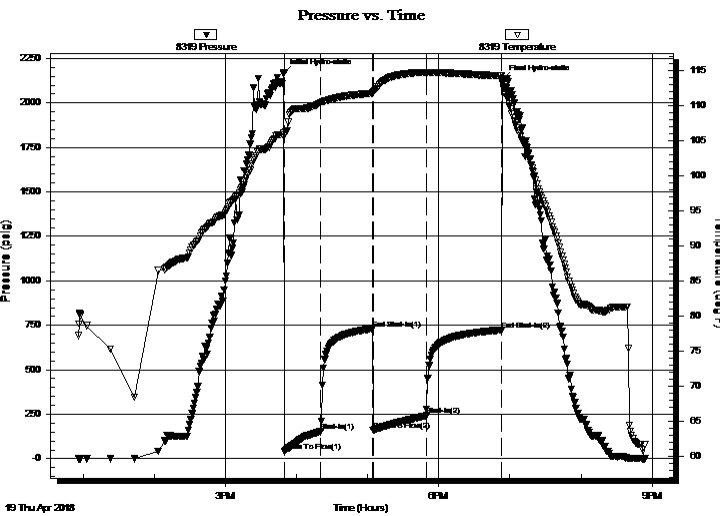
Start Time: 12:56:05

End Time: 20:53:59

Time On Btm: 2018.04.19 @ 15:49:15

Time Off Btm: 2018.04.19 @ 18:53:30

TEST COMMENT: IF: BOB @ 14 min.
IS: No return.
FF: BOB @ 20 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.80	106.20	Initial Hydro-static
1	39.35	105.81	Open To Flow (1)
32	152.66	110.40	Shut-In(1)
75	729.69	111.75	End Shut-In(1)
76	160.84	111.88	Open To Flow (2)
121	242.08	114.67	Shut-In(2)
184	723.26	114.23	End Shut-In(2)
185	2130.94	113.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	mcw 5m 95w (oil spots)	4.14
10.00	oil 100o	0.14
0.00	150' GIP	0.00

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 Finney, Ks

PO Box 399
Garden City, Ks 67846

Crist 2-28

Job Ticket: 63656

DST#: 1

ATTN: Luke Thompson

Test Start: 2018.04.19 @ 12:56:00

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:

37000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2350.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	mcw 5m 95w (oil spots)	4.135
10.00	oil 100o	0.140
0.00	150' GIP	0.000

Total Length: 460.00 ft Total Volume: 4.275 bbl

Num Fluid Samples: 0

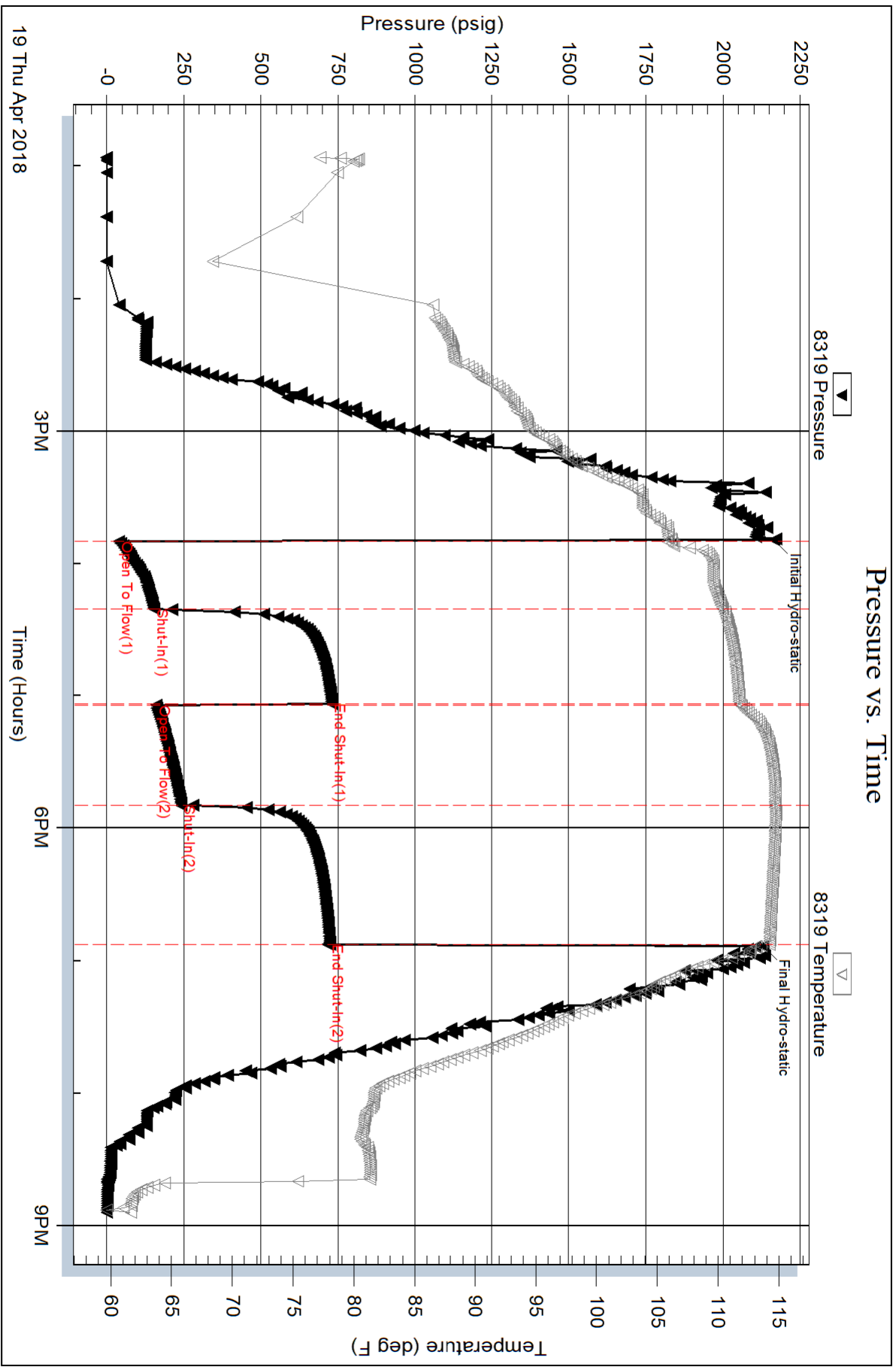
Num Gas Bombs: 0

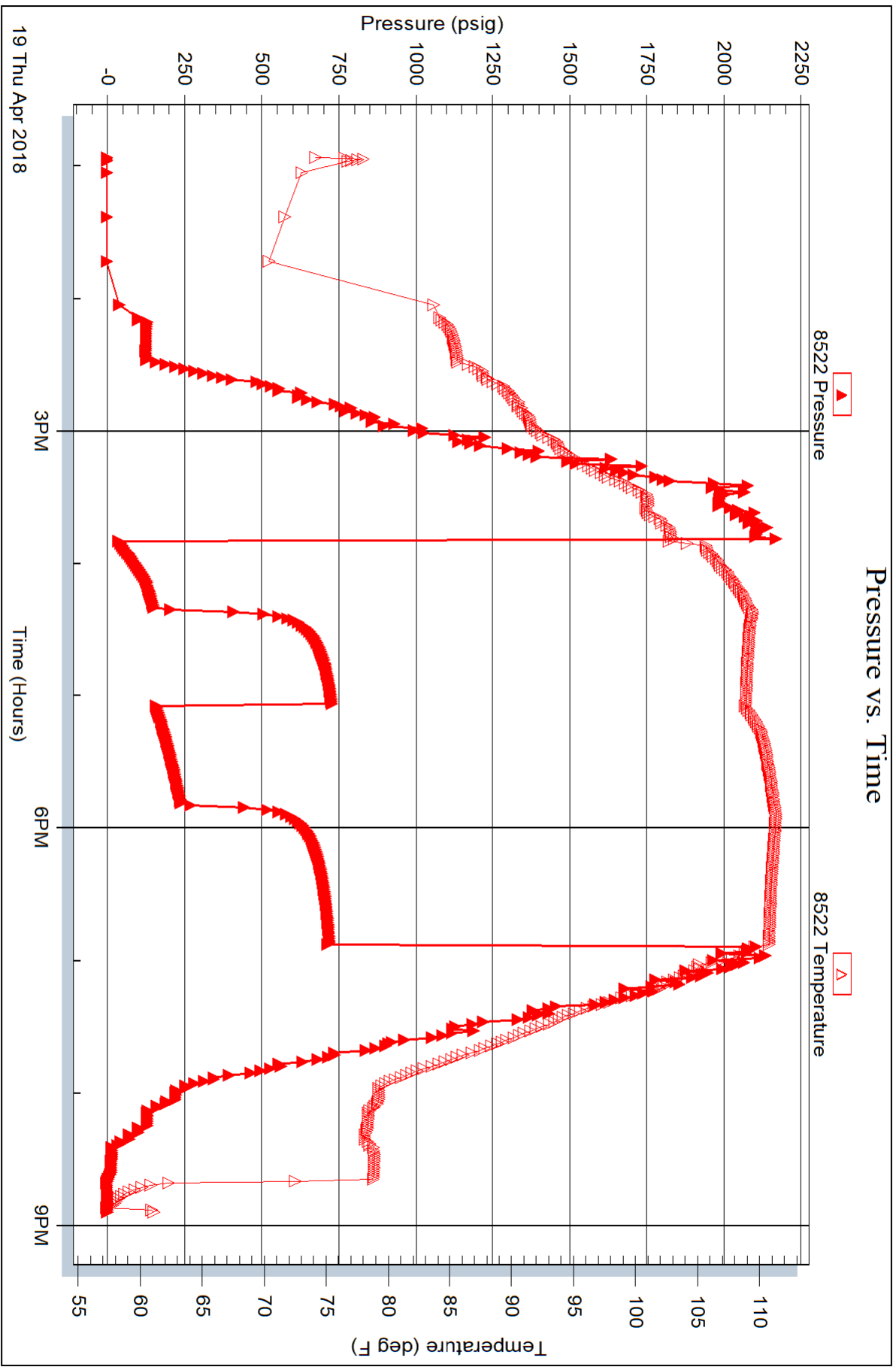
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .219@ 61f = 37000ppm







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior, Inc
 PO Box 399
 Garden City, Ks 67846
 ATTN: Kevin Timson

28 21s 34w Finney, Ks
Crist 2-28
 Job Ticket: 63657 **DST#: 2**
 Test Start: 2018.04.20 @ 10:22:00

GENERAL INFORMATION:

Formation: **4470**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:42:30
 Time Test Ended: 16:40:15
Interval: 4470.00 ft (KB) To 4495.00 ft (KB) (TVD)
 Total Depth: 4495.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2981.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 11.00 ft

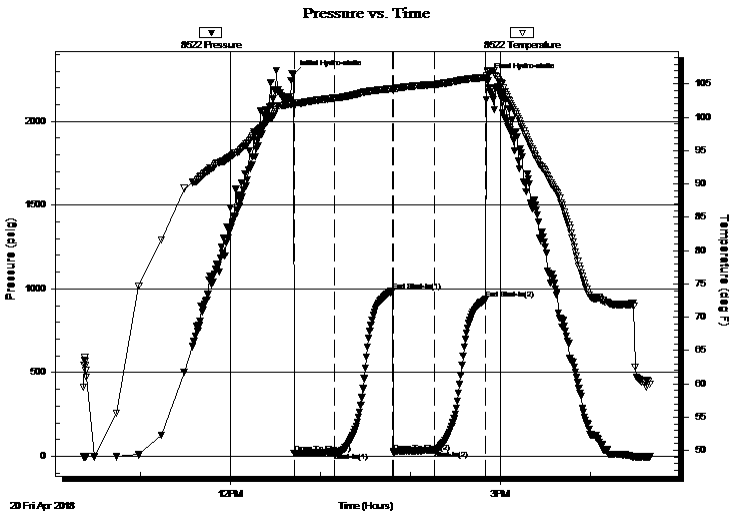
Serial #: 8522

Inside

Press@RunDepth: 37.88 psig @ 4471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.04.20 End Date: 2018.04.20 Last Calib.: 2018.04.20
 Start Time: 10:22:05 End Time: 16:40:14 Time On Btm: 2018.04.20 @ 12:42:00
 Time Off Btm: 2018.04.20 @ 14:51:30

TEST COMMENT: IF: 8 1/2" of blow .
 IS: No return.
 FF: 9" of blow .
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2278.49	102.22	Initial Hydro-static
1	17.57	101.77	Open To Flow (1)
28	26.72	102.91	Shut-In(1)
66	986.90	104.31	End Shut-In(1)
67	25.14	104.18	Open To Flow (2)
94	37.88	104.95	Shut-In(2)
129	936.91	105.99	End Shut-In(2)
130	2262.74	106.92	Final Hydro-static

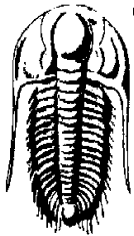
Recovery

Length (ft)	Description	Volume (bbl)
70.00	gocm 40g 20o 40m	0.34
0.00	170' GIP	0.00

* Recovery from multiple tests

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: Kevin Timson

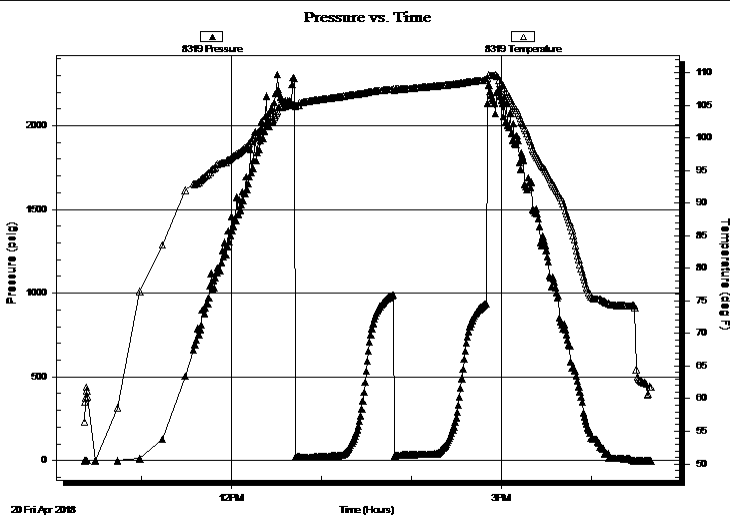
28 21s 34w Finney, Ks
Crist 2-28
 Job Ticket: 63657 **DST#: 2**
 Test Start: 2018.04.20 @ 10:22:00

GENERAL INFORMATION:

Formation: **4470**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:42:30
 Time Test Ended: 16:40:15
 Interval: **4470.00 ft (KB) To 4495.00 ft (KB) (TVD)**
 Total Depth: 4495.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 78
 Reference Elevations: 2981.00 ft (KB)
 2970.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8319 Outside
 Press@RunDepth: psig @ 4471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.04.20 End Date: 2018.04.20 Last Calib.: 2018.04.20
 Start Time: 10:22:05 End Time: 16:40:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: 8 1/2" of blow .
 IS: No return.
 FF: 9" of blow .
 FS: No return.



PRESSURE SUMMARY

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

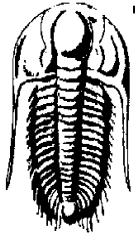
Recovery

Length (ft)	Description	Volume (bbl)
70.00	gocm 40g 20o 40m	0.34
0.00	170' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
 PO Box 399
 Garden City, Ks 67846
 ATTN: Kevin Timson

28 21s 34w Finney, Ks
Crist 2-28
 Job Ticket: 63657 **DST#: 2**
 Test Start: 2018.04.20 @ 10:22:00

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: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: 1.00 inches			

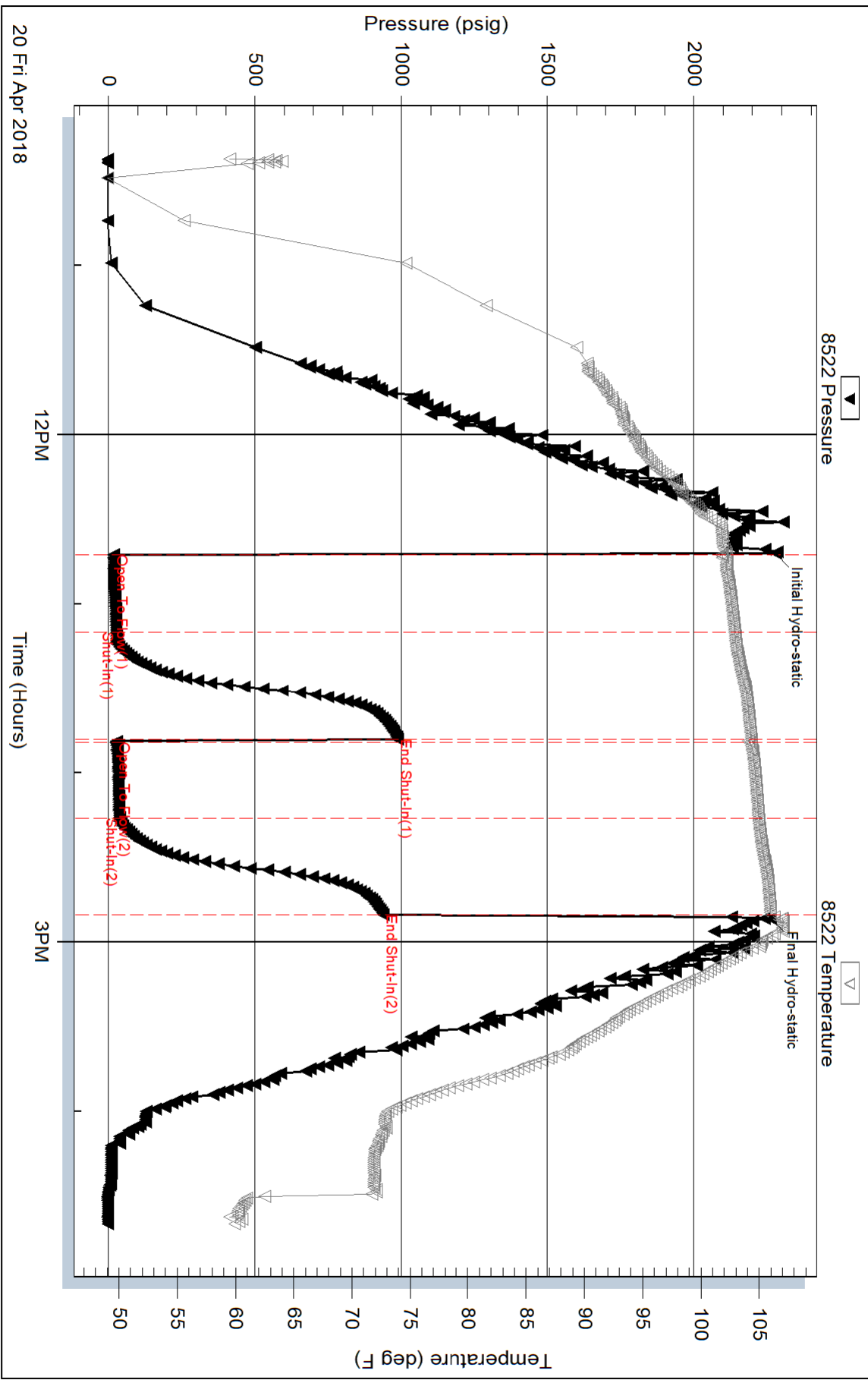
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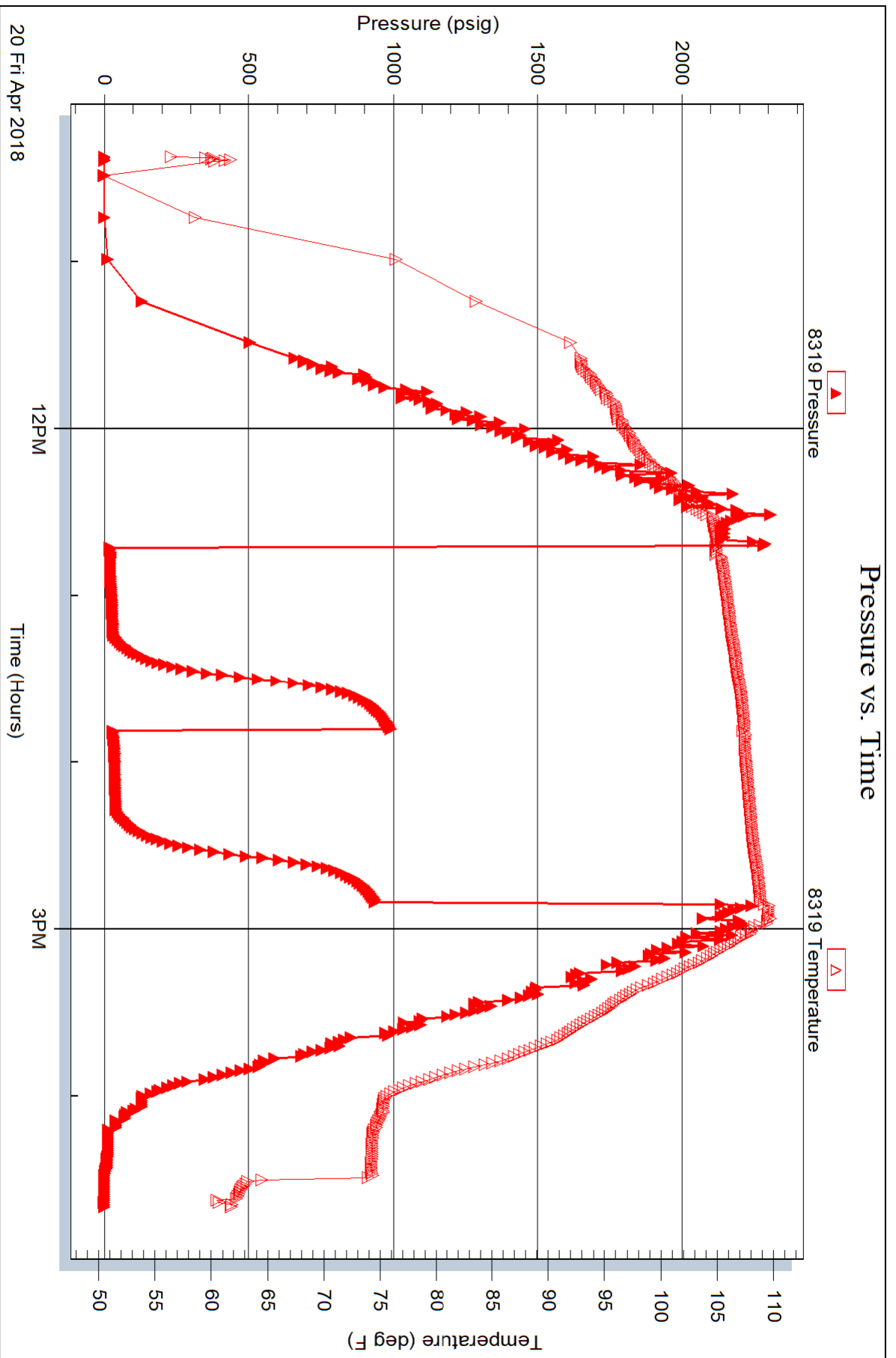
Recovery Table

Length ft	Description	Volume bbl
70.00	gocm 40g 20o 40m	0.344
0.00	170' GIP	0.000

Total Length: 70.00 ft Total Volume: 0.344 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
PO Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

28 21s 34w Finney, Ks
Crist 2-28
Job Ticket: 63658 **DST#: 3**
Test Start: 2018.04.22 @ 06:57:00

Mud and Cushion Information

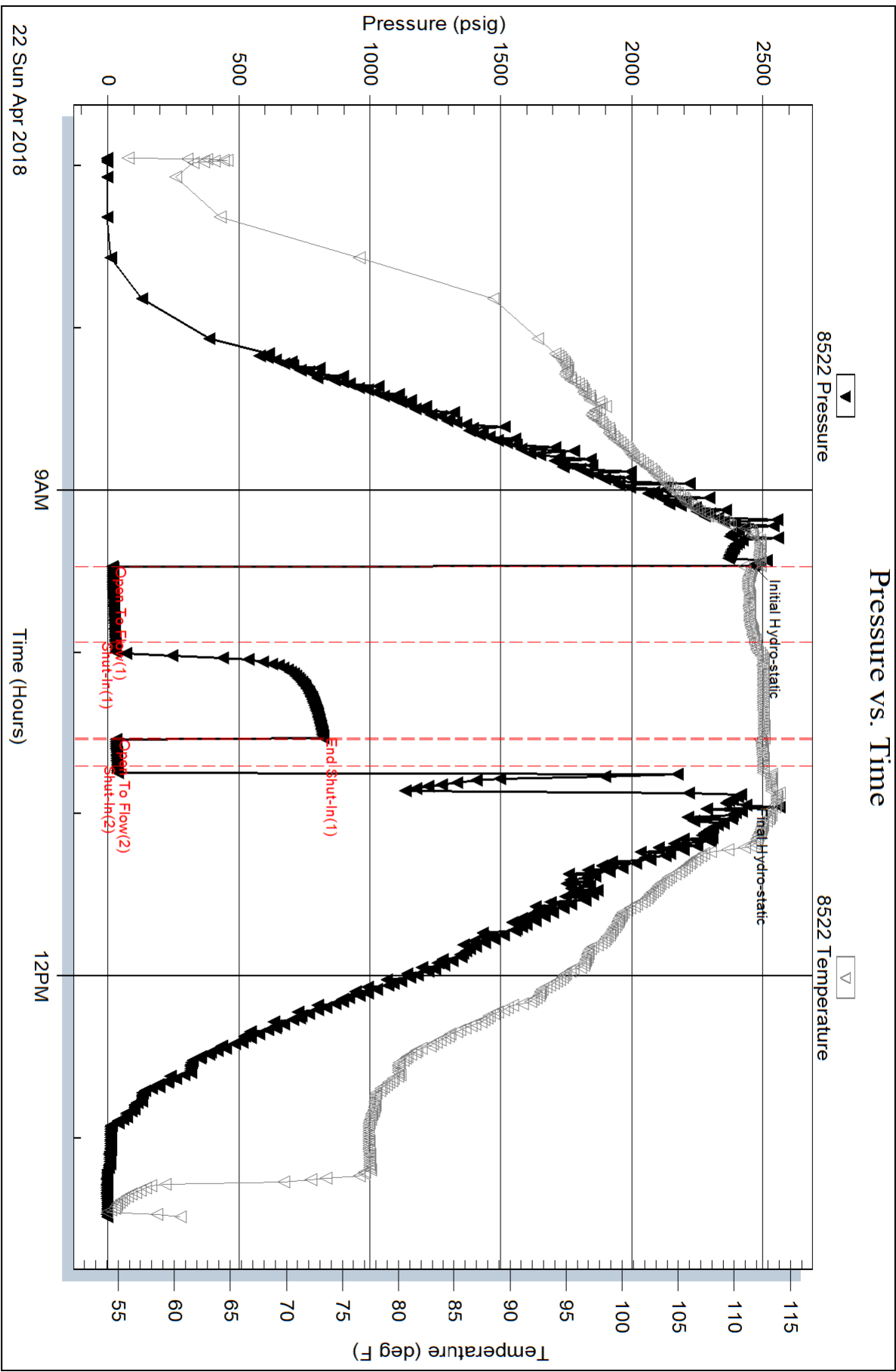
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	mud 100m (oil spots on top)	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:

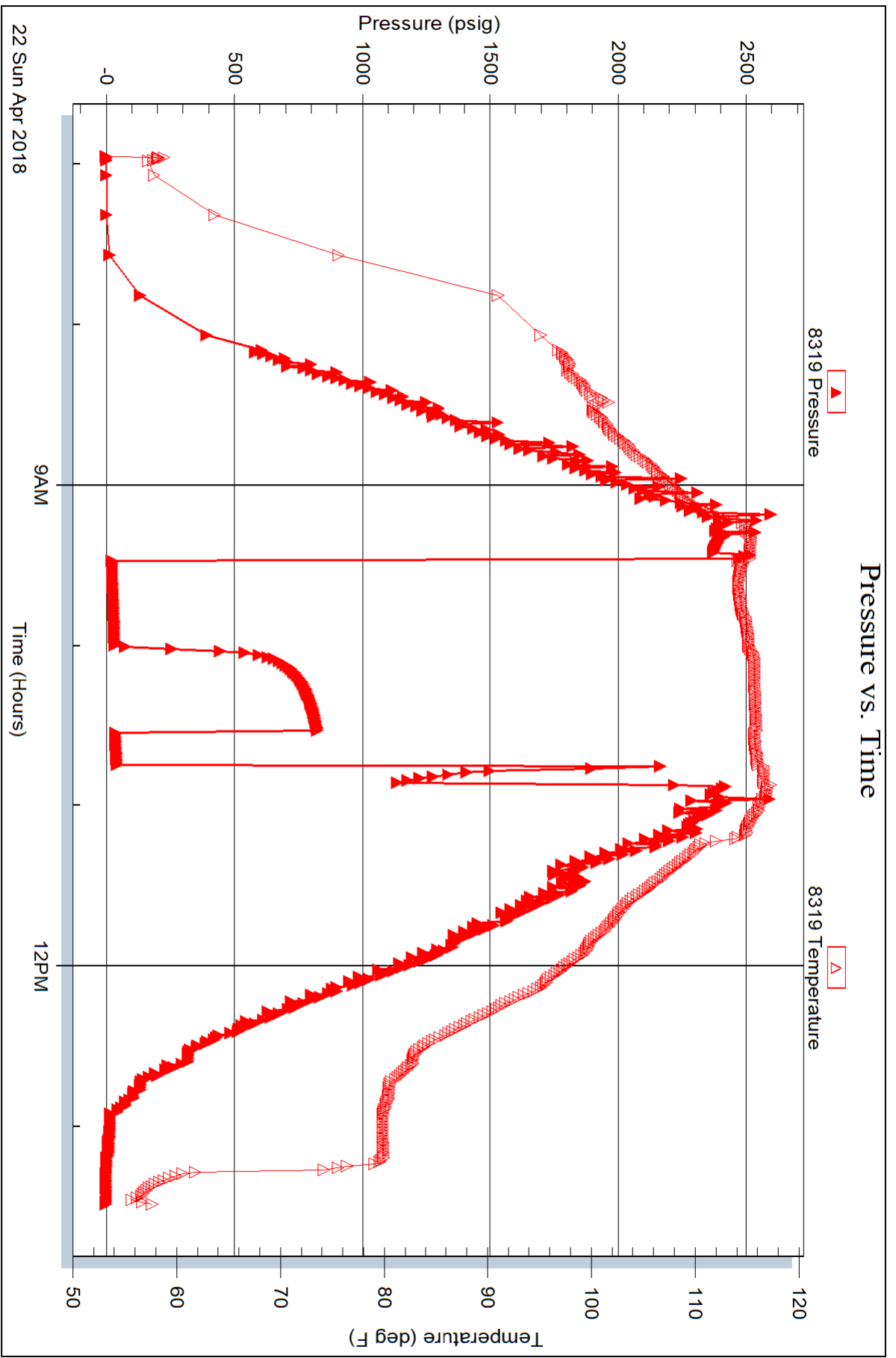


Serial #: 8319

Outside American Warrior, Inc

Crist2-28

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc
PO Box 399
Garden City, Ks 67846
ATTN: Kevin Timson

28 21s 34w Finney, Ks
Crist 2-28
Job Ticket: 63659 **DST#: 4**
Test Start: 2018.04.23 @ 17:32:00

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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: 1.00 inches			

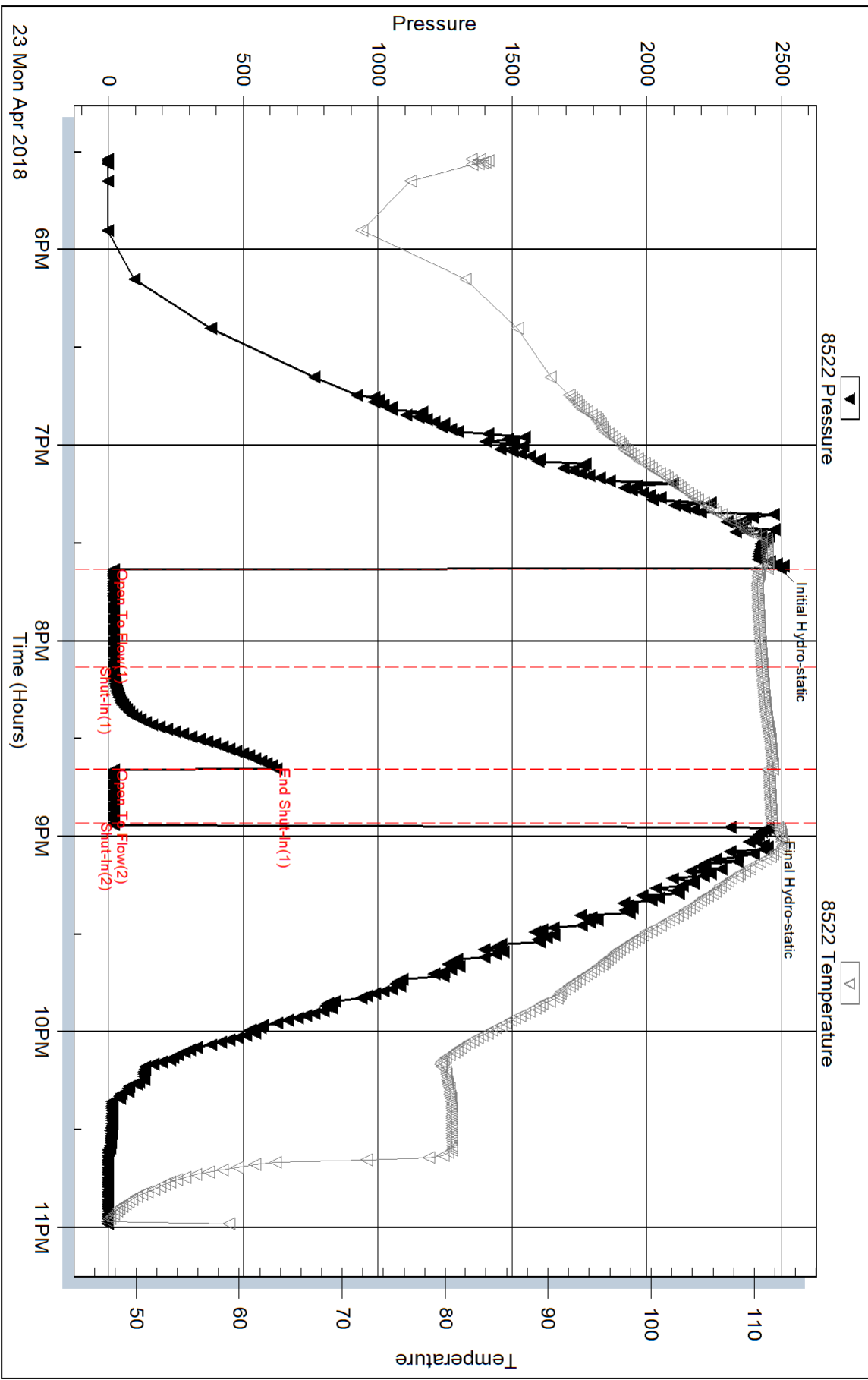
Recovery Information

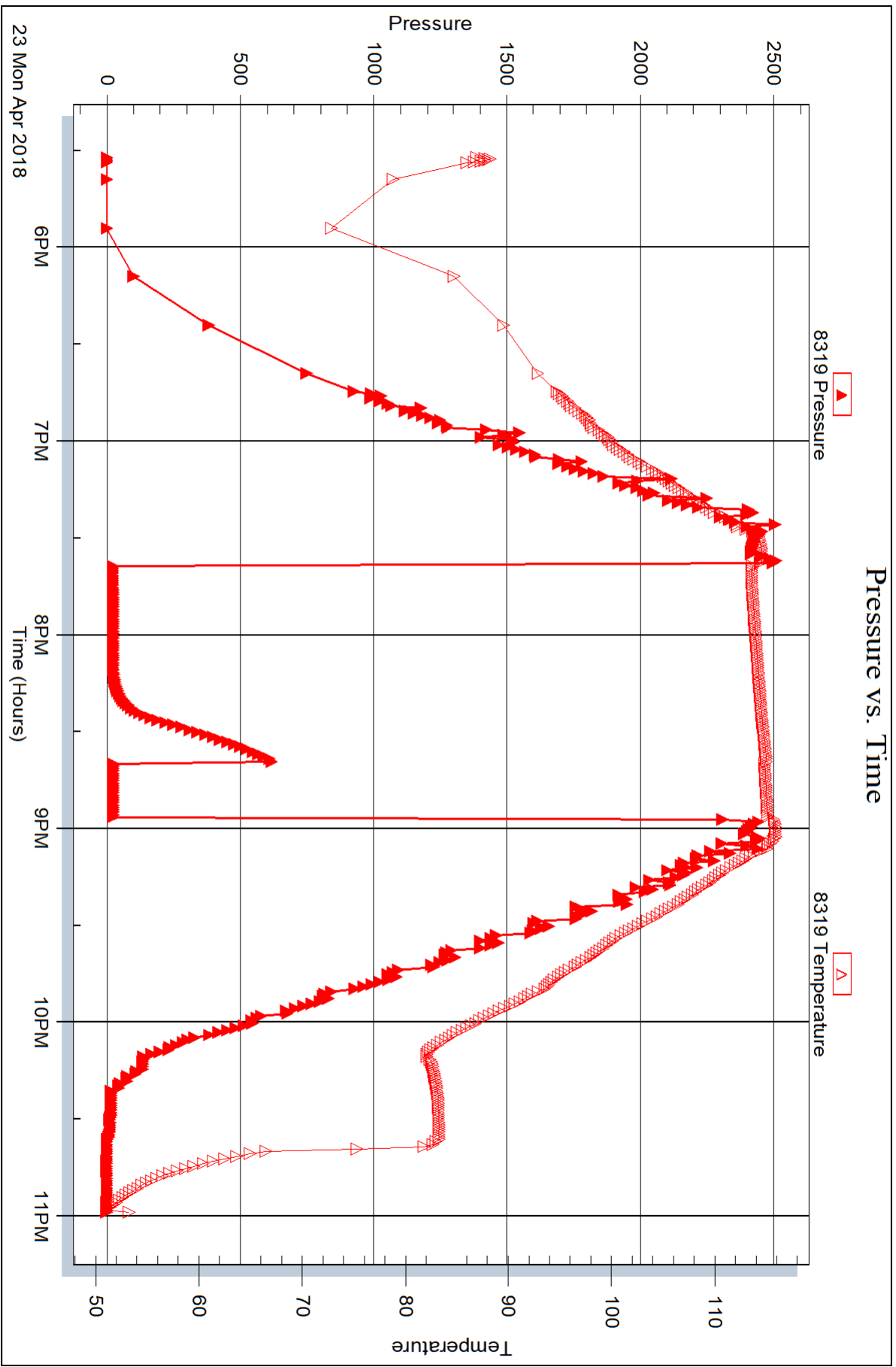
Recovery Table

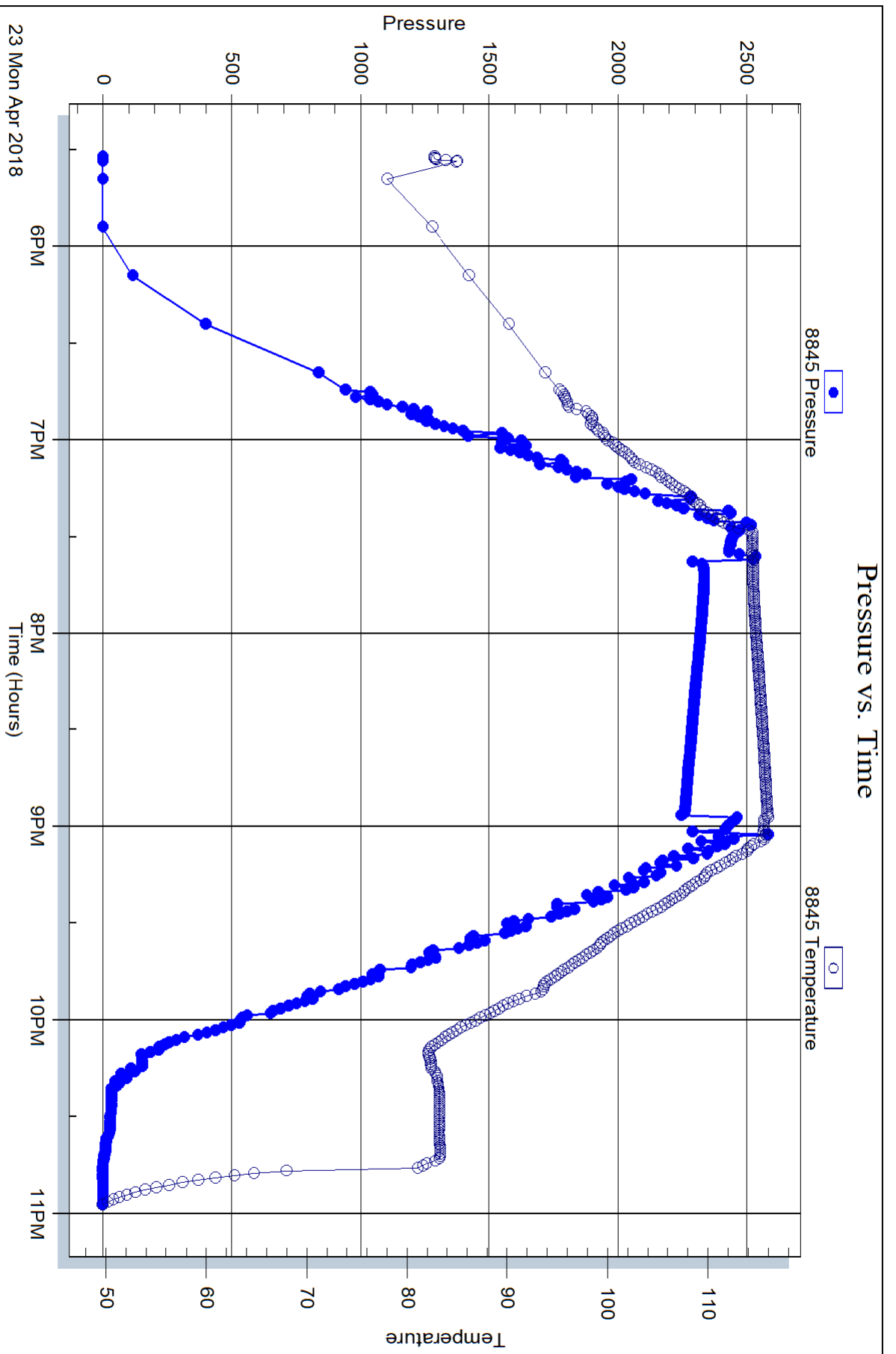
Length ft	Description	Volume bbl
15.00	mud 100m (oil spots)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time







Geological Report

American Warrior, Inc.

Crist #2-28

1550' FSL & 2150' FWL

Sec 28, T21s, R34w

Finney County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Crist #2-28
1550' FSL & 2150' FWL
Sec. 28, T21s, R34w
Finney County, Kansas
API # 15-055-22485-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Luke Thompson & Kevin Timson

Spud Date: April 13, 2018

Completion Date: April 25, 2018

Elevation 2970' G.L.
2981' 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: 1743' 8 5/8" 23# Surface Casing

Samples: 3750' to RTD 10' Wet & Dry

Drilling Time: 3700' to RTD

Electric Logs: Pioneer Energy Services "D. Schmidt"
Stack Micro

Drillstem Tests: Four-Trilobite "B. Walters"

Problems: None Encountered

Formation Tops

Crist #2-28

Sec. 28, T21s, R34w

1550' FSL & 2150' FWL

Heebner	3808	-827
Toronto	3830	-849
Lansing	3856	-875
Stark	4186	-1205
Hush	4230	-1249
BKC	4310	-1329
Marmaton	4336	-1355
Pawnee	4442	-1461
Fort Scott	4471	-1490
Cherokee	4480	-1499
Morrow	4677	-1696
St. Gen	4724	-1743
RTD	5000	-2019
LTD	4996	-2015

Sample Zone Descriptions

Marmaton (4367' -1386): Covered in DST #1

Limestone, cream, oolitic packstone, slightly chalky, poor to fair oolitic and oomoldic porosity, good to fair odor, good stain, fair-good saturation, good show of free oil, gold fluorescence, fair to good stream cut. No gas kick.

Fort Scott (4474' -1493): Covered in DST #2

Limestone, tan, sub crystalline, good vuggy porosity, fair inter-crystalline porosity, good stain, fair saturation, good odor, show of free oil. No gas kick.

St. Louis B (4834' -1853): Covered in DST #3

Limestone, tan, sub crystalline, fair oolitic porosity, fair stain, poor saturation, no show of free oil, poor odor, Gas 25 units hotwire.

St. Louis C (4872' -1891): Covered in DST #4

Limestone, cream, oolitic packstone, chalky, occasional poor oolitic porosity, very slight odor, poor stain and saturation, poor show of free oil, no fluorescence, poor slow stream cut. Gas 25 units hotwire.

Drill Stem Tests

Trilobite Testing
 “Bradley Walter”

DST #1 Marmaton

Interval (4352’ – 4400’) Anchor Length 48’

IHP - 2166 #

IFP - 30” – BOB 14 min

ISI - 45” – No Return

FFP - 45” – BOB 20 min

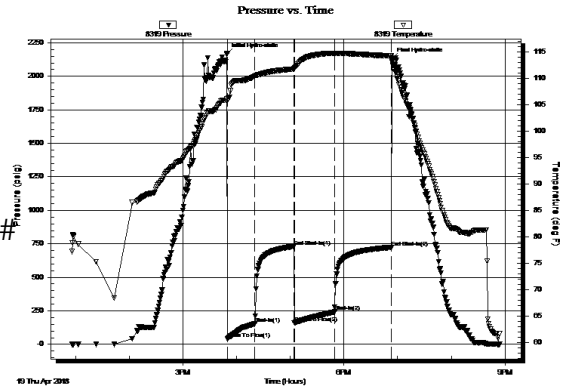
FSIP - 60” – No Return

FHP - 2131 #

BHT - 114° F

Recovery: 150’ GIP
 10’ O
 450’ MCW w/OS

39-153#
 730#
 161-242#
 723#



DST #2 Fort Scott

Interval (4470’ – 4495’) Anchor Length 25’

IHP - 2278 #

IFP - 30” – 8 ½” blow

ISI - 30” – No Return

FFP - 30” – built to 7”

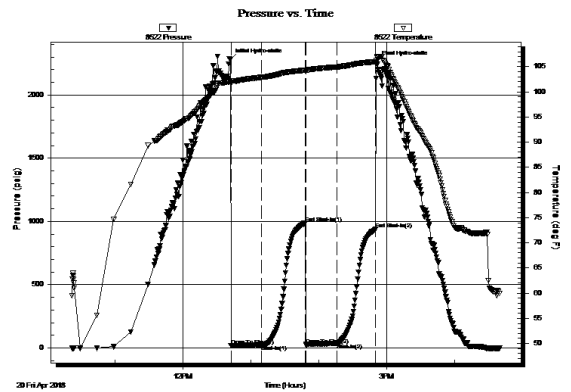
FSIP - 30” – No Return

FHP - 2263 #

BHT - 107° F

Recovery: 170’ GIP
 70’ GOCM 20% O

18-27#
 986#
 25-38#
 937#



DST #3

St. Louis B

Interval (4816' – 4850') Anchor Length 34'

IHP - 2465 #

IFP - 30" – 1/2" blow

ISI - 30" – No Return

FFP - 10" – no blow

FSIP - Pulled Test

FHP - 2415 #

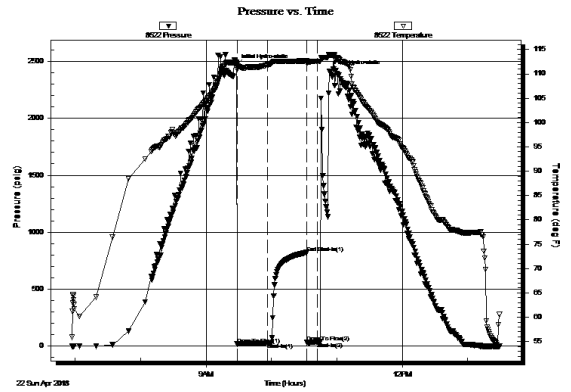
BHT - 114° F

Recovery: 30' M w/OS on top

18-29#

821#

31-36#



DST #4

St. Louis C (straddle test)

Interval (4860' – 4880') Anchor Length 34'; Tail pipe 120'

IHP - 2495 #

IFP - 30" – WSB

ISI - 30" – No Return

FFP - 10" – no blow

FSIP - Pulled Test

FHP - 2449 #

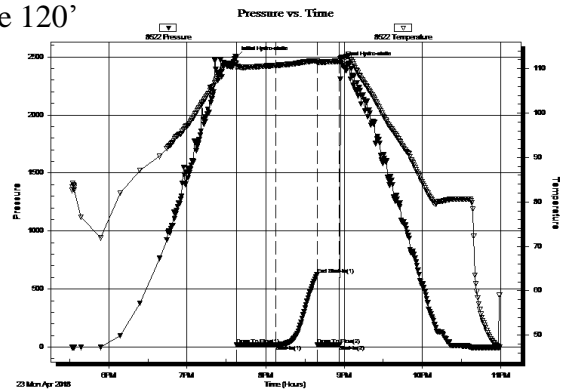
BHT - 112° F

Recovery: 15' M w/OS

19-20#

623#

20-21#



Structural Comparison

	American Warrior, Inc. Crist #2-28 Sec. 28, T21s, R34w 1550' FSL & 2150' FWL		American Warrior, Inc. Crist #1-28 Sec. 28, T21s, R34w 2288' FSL & 440' FWL		GMX Resources Inc. Nunn #11 Sec. 27, T21s, R34w 1520' FNL & 990' FEL			
Formation								
Heebner	3808	-827	13	3830	-839	-29	3762	-798
Lansing	3856	-875	11	3876	-885	-40	3799	-835
Stark	4186	-1205	7	4202	-1211	-44	4125	-1161
BKC	4310	-1329	11	4330	-1339	-35	4258	-1294
Marmaton	4336	-1355	11	4356	-1365	-37	4282	-1318
Pawnee	4442	-1461	1	4452	-1461	-65	4360	-1396
Fort Scott	4471	-1490	-2	4478	-1487	-73	4381	-1417
Cherokee	4480	-1499	1	4490	-1499	-57	4406	-1442
Morrow	4677	-1696	10	4696	-1705	-70	4590	-1626
Miss	4724	-1743	26	4759	-1768	-75	4632	-1668

Summary

The location for the Crist #2-28 well was found via 3-D seismic survey. The new well ran structurally as expected. Four drill stem tests were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made plug and abandon the Crist #2-28 well.

Respectfully Submitted,

Lukas Thompson
American Warrior, Inc.



American Warrior, Inc.

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 (785) 493-1254 cell
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WELL Crist #2-28	API #: 15-055-22485-00-00	LOCATION: Finney County, KS 1550' FSL & 2150' FWL 28-21s-34w	Elevation KB: 2987' GL: 2910' Measurements from KB
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Lithology Key 		Geologist: Luke Thompson (American Warrior, Inc.) Drilling Contractor: Duke Rig #5 Drilling time from: 3700' - TD Samples from: 3750' - RTD Geological Supervision from: 3800' - TD Correlating Log: Crist #1-28 (AWI 28-21s-34w) Surface Casing: 1743' 8 5/8" 23# Production Casing: N/A RTD: 5000' LTD: 4996'
Curve Data: Left Column: ROP (min/foot) Gamma Ray Right Column: Gas (units) Density Porosity Neutron Porosity		Status: P&A

Formation	Top	Log	Datum	Top	Sample	Datum	Correlating Well	Structural Comparison	Status: P&A
Heebner	3808	-827	3810	-829			13		
Toronto	3830	-849	3831	-850			12		
Lansing	3856	-875	3858	-877			11		
Stark	4186	-1205	4188	-1207			7		
BKC	4310	-1329	4316	-1335			11		
Marmaton	4336	-1355	4337	-1356			11		
Pawnee	4442	-1461	4441	-1460			1		
Fort Scott	4471	-1490	4471	-1490			-2		
Cherokee	4480	-1499	4478	-1497			1		
Morrow	4677	-1696	4680	-1699			10		
Miss	4724	-1743	4724	-1743			26		
TD	4996	-2015	5000	-2019					

