



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1219340
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1219340

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ 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: <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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Eulert 19-35
Doc ID	1219340

Tops

Name	Top	Datum
Anhy	883'	+930
B/Anhy	921'	+892
Topeka	2664'	-851
Heebner	2918'	-1105
Toronto	2937'	-1124
Lansing	2961'	-1148
B/KC	3241'	-1428
Arbuckle	3264'	-1451

ALLIED OIL & GAS SERVICES, LLC 055371

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>7-2-14</u>	SEC. <u>35</u>	TWP. <u>11</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Euler</u>	WELL # <u>1935</u>	LOCATION <u>Russell 7N 5 1/2 W3N</u>			COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>Winto</u>					

CONTRACTOR Duke # 8
 TYPE OF JOB long surface
 HOLE SIZE 12 1/4 T.D. 883
 CASING SIZE 8 5/8 2 1/2" DEPTH 883
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 15
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 55 1/4

OWNER
 CEMENT AMOUNT ORDERED 400 com 370cc 28gr.1
 COMMON 400 @ 17.90 7160.00
 POZMIX @
 GEL 752 # @ 1.05 789.60
 CHLORIDE 1128 # @ 1.10 1240.80
 ASC @
 @
material @ 9190.40
 @
Disc @ 2573.31
 @
 @
 @
 @
 HANDLING 400 @ 2.48 992.00
 MILEAGE 282 4/m @ 2.75 775.50
 TOTAL 10957.90

EQUIPMENT

PUMP TRUCK CEMENTER Robert Y
 # 409 HELPER Nathan D
 BULK TRUCK
 # 473 DRIVER Jon Price
 BULK TRUCK
 # DRIVER

REMARKS:

see log

Thank you!

CHARGE TO: American Warrior
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB 883
 PUMP TRUCK CHARGE 2058.50
 EXTRA FOOTAGE @
 MILEAGE 15 LVMI @ 4.40 66.00
 MANIFOLD @
30 HVMI @ 7.70 231.00
 @
Disc 1157.44 TOTAL 423.00
~~2355.00~~

PLUG & FLOAT EQUIPMENT

1 IR Top rubber @ 131.00 131.00
3 WF cementizers @ 75.00 225.00
 @
 @
 @
Disc 99.68 TOTAL 356.00

To: Allied Oil & Gas Services, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Steve Stephens

SIGNATURE Steve Stephens

SALES TAX (If Any) _____
 TOTAL CHARGES 13669.40
 DISCOUNT 3827.43 28% IF PAID IN 30 DAYS
net \$ 9841.97



CHARGE TO:
American Warriors, Inc.

ADDRESS

CITY, STATE, ZIP CODE

TICKET 25512

PAGE 1 OF 1

SERVICE LOCATIONS 1. <i>Hagen, Ks</i>	WELL/PROJECT NO. <i>19-35</i>	LEASE <i>Euleot</i>	COUNTY/PARISH <i>Russell</i>	STATE <i>Ks</i>	CITY	DATE <i>7-9-14</i>	OWNER
2. <i>Ness City, Ks</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>Duke</i>	RIG NAME/NO. <i>#8</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>NW Russell, Ks</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>in field</i>	JOB PURPOSE <i>revent longstring</i>	WELL PERMIT NO.	WELL LOCATION		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			MILEAGE # <i>113</i>	<i>600</i>		<i>mi</i>		<i>600</i>	<i>360.00</i>
<i>578</i>		<i>1</i>			<i>Pump Charge - cut longstring</i>	<i>1000</i>	<i>3370</i>	<i>ft.</i>		<i>1500.00</i>	<i>15000.00</i>
<i>221</i>		<i>1</i>			<i>Liquid KCL</i>	<i>2500</i>		<i>gal</i>		<i>2500</i>	<i>5000</i>
<i>281</i>		<i>1</i>			<i>Mud flush</i>	<i>500</i>		<i>gal</i>		<i>1.25</i>	<i>625.00</i>
<i>290</i>		<i>1</i>			<i>D-Air</i>	<i>4</i>		<i>gal</i>		<i>4200</i>	<i>16800</i>
<i>402</i>		<i>1</i>			<i>Centralizers</i>	<i>6000</i>		<i>5 1/2 in</i>		<i>7000</i>	<i>42000</i>
<i>403</i>		<i>1</i>			<i>Cement Baskets</i>	<i>6000</i>		<i>5 1/2 in</i>		<i>30000</i>	<i>30000</i>
<i>406</i>		<i>1</i>			<i>Latch Down Plug & Bottle</i>	<i>1000</i>		<i>5 1/2 in</i>		<i>27500</i>	<i>27500</i>
<i>407</i>		<i>1</i>			<i>Insert Float Shoe w/ Auto Bell</i>	<i>1000</i>		<i>5 1/2 in</i>		<i>37500</i>	<i>37500</i>
<i>See Page 2 of 2</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

[Signature]

DATE SIGNED *7-9-14* TIME SIGNED A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	<i>P1</i> PAGE TOTAL	<i>4073 00</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>P2</i>	<i>5028 98</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				<i>subtotal</i>	<i>9101 98</i>
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<i>Russell TAX</i>	<i>516 91</i>
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<i>8.15%</i>	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	<i>9618 89</i>
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR *[Signature]* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 25512

CUSTOMER American Warrior, Inc. WELL 1935 Ewert DATE 7-9-14 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M			
325		2				Standard Coat	EA-2	175	SKS	16450	lbs	1450	2537.50
276		2				Flocele		44	lbs			250	110.00
283		2				Salt		875	lbs			20	175.00
284		2				Celsoal		823	lbs	9	SKS	3520	315.00
292		2				Holod-322		124	lbs			800	992.00
581		2				SERVICE CHARGE		175	SKS	Amount		200	350.00
583		2				MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES			100	549.48
							18316	60	549.48				

CONTINUATION TOTAL 5028.98

JOB LOG

SWIFT Services, Inc.

DATE 7-9-14 PAGE NO. 7

CUSTOMER American Drilling, Inc WELL NO. 19-35 LEASE Eulert JOB TYPE Revent Longstring TICKET NO. 25512

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD-3373	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	1330								On loc. Rig L.D. RH/Change Oupr
	1440								Start 5 1/2" 14" At casing to 3370'
									Insert Flood Shoe w/ Auto fell
									L.D. Baffle - SJ-24' @ 3346 = 81.6 BBI
									Cent Bst. Pin eud #2
									Cent. 1-3.5-79-11
									Drop fall up ball 5 Jts out
	1100								Fin casing - Tag
	1625							CIR	Start cir
	1645								Fin cir
			7						Plug RH-30 SKS EA-2 cent
		5	12	(32)			150		Pump surge Mud flush
		5 1/2	20				150		Pump 20 BBI KCL flush
									Start 145 SKS EA-2 cent
									Fin cent.
									Wash out Pump & lines
									Drop Plug
		9					250		Start Displ.
		8	600				350		Caught cent - slow rate
		7 1/2	75				700		@ 75 BBI slow rate
							500		@ 80 BBI slow rate
	1230		8 1/2				600		Plug down - Held
							700		Release of Held
							600		Last cir press - 600 #
									Job Complete
	1800								Wash up & Rekey TRS

Thanks
Don, Tom & Rob



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate, Jim Mu

Eulert #19-35

35-11s-15w Russell,KS

Start Date: 2014.07.06 @ 02:40:36

End Date: 2014.07.06 @ 08:33:30

Job Ticket #: 59320 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.07.09 @ 10:42:56



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59320

DST#: 1

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 02:40:36

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:54:01

Time Test Ended: 08:33:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 2914.00 ft (KB) To 3010.00 ft (KB) (TVD)

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3010.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 51.00 psig @ 2918.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.06

End Date:

2014.07.06

Last Calib.:

2014.07.06

Start Time: 02:40:36

End Time:

08:33:30

Time On Btm:

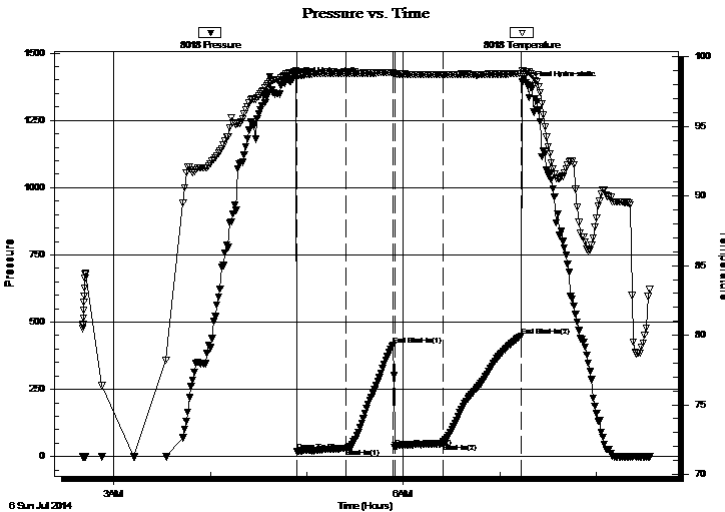
2014.07.06 @ 04:50:01

Time Off Btm:

2014.07.06 @ 07:17:30

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 4 " bl
30-ISIP-no bl
30-FFP-w k bl thru-out
45-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1393.82	98.85	Initial Hydro-static
4	18.33	98.61	Open To Flow (1)
34	31.11	98.80	Shut-In(1)
64	416.01	98.87	End Shut-In(1)
65	35.24	98.77	Open To Flow (2)
95	51.00	98.73	Shut-In(2)
143	447.94	98.79	End Shut-In(2)
148	1378.39	98.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w/ show of oil	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59320

DST#: 1

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 02:40:36

GENERAL INFORMATION:

Formation:

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Time Tool Opened: 04:54:01

Time Test Ended: 08:33:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 2914.00 ft (KB) To 3010.00 ft (KB) (TVD)

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3010.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8678 Outside

Press@RunDepth: psig @ 2918.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.06

End Date:

2014.07.06

Last Calib.:

2014.07.06

Start Time: 02:41:02

End Time:

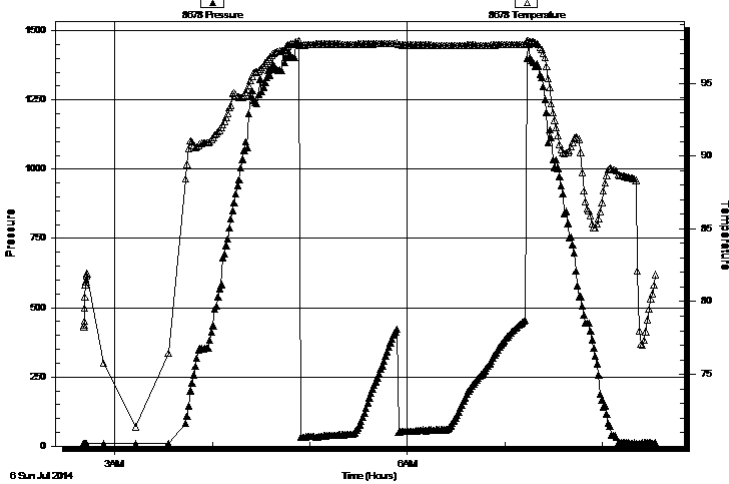
08:32:56

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP-w k to a fr bl 1/2" to 4 " bl
30-ISIP-no bl
30-FFP-w k bl thru-out
45-FSIP-no bl

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w / show of oil	0.98

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59320

DST#: 1

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 02:40:36

Tool Information

Drill Pipe:	Length: 2903.00 ft	Diameter: 3.80 inches	Volume: 40.72 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 40.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	2914.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	96.00 ft			
Tool Length:	117.00 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			2894.00	
Shut In Tool	5.00			2899.00	
Hydraulic tool	5.00			2904.00	
Packer	5.00			2909.00	21.00 Bottom Of Top Packer
Packer	5.00			2914.00	
Stubb	1.00			2915.00	
Perforations	3.00			2918.00	
Recorder	0.00	8018	Inside	2918.00	
Recorder	0.00	8678	Outside	2918.00	
Blank Spacing	64.00			2982.00	
Perforations	25.00			3007.00	
Bullnose	3.00			3010.00	96.00 Bottom Packers & Anchor

Total Tool Length: 117.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59320

DST#: 1

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 02:40:36

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.87 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud w / show of oil	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

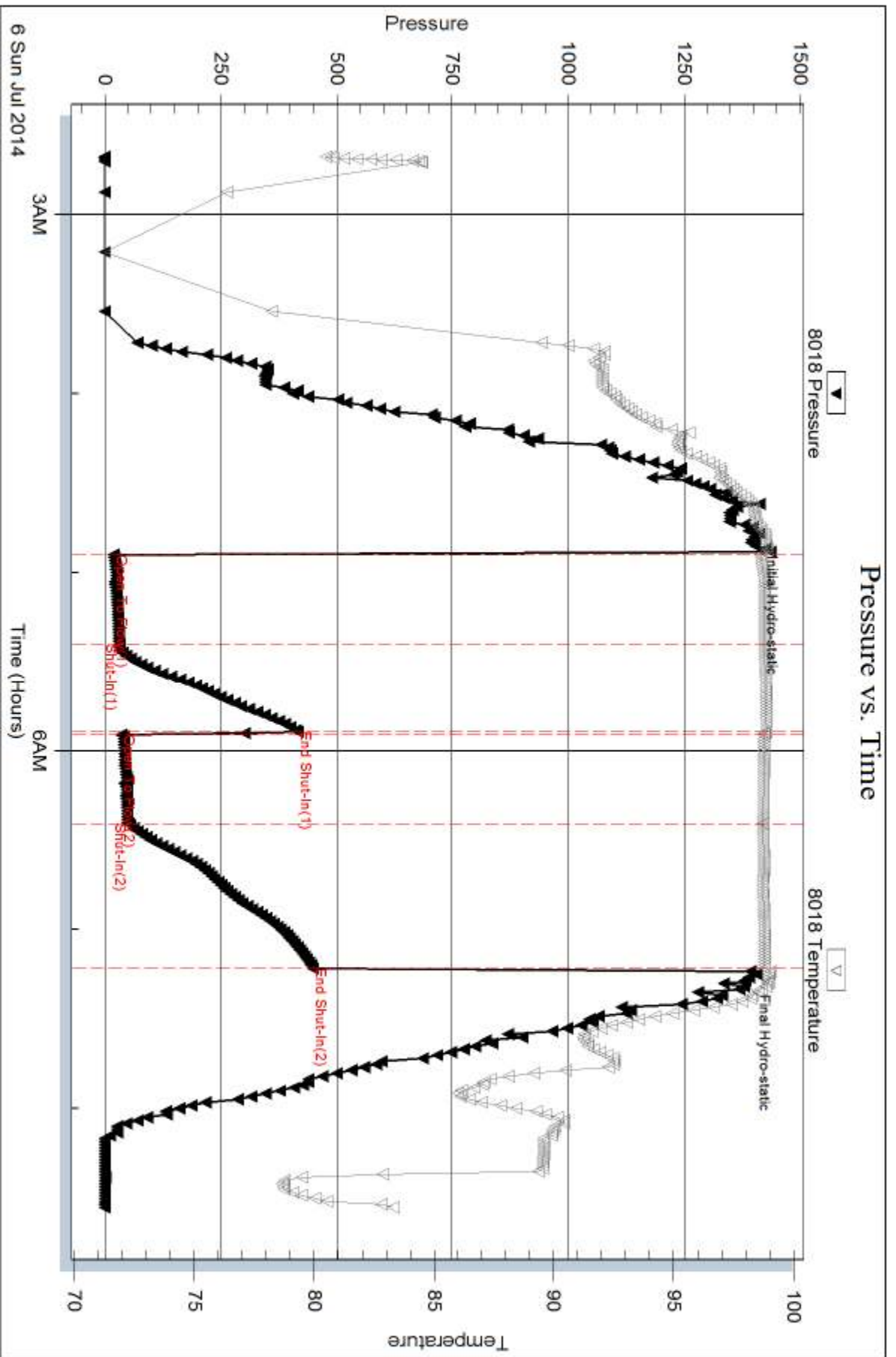
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

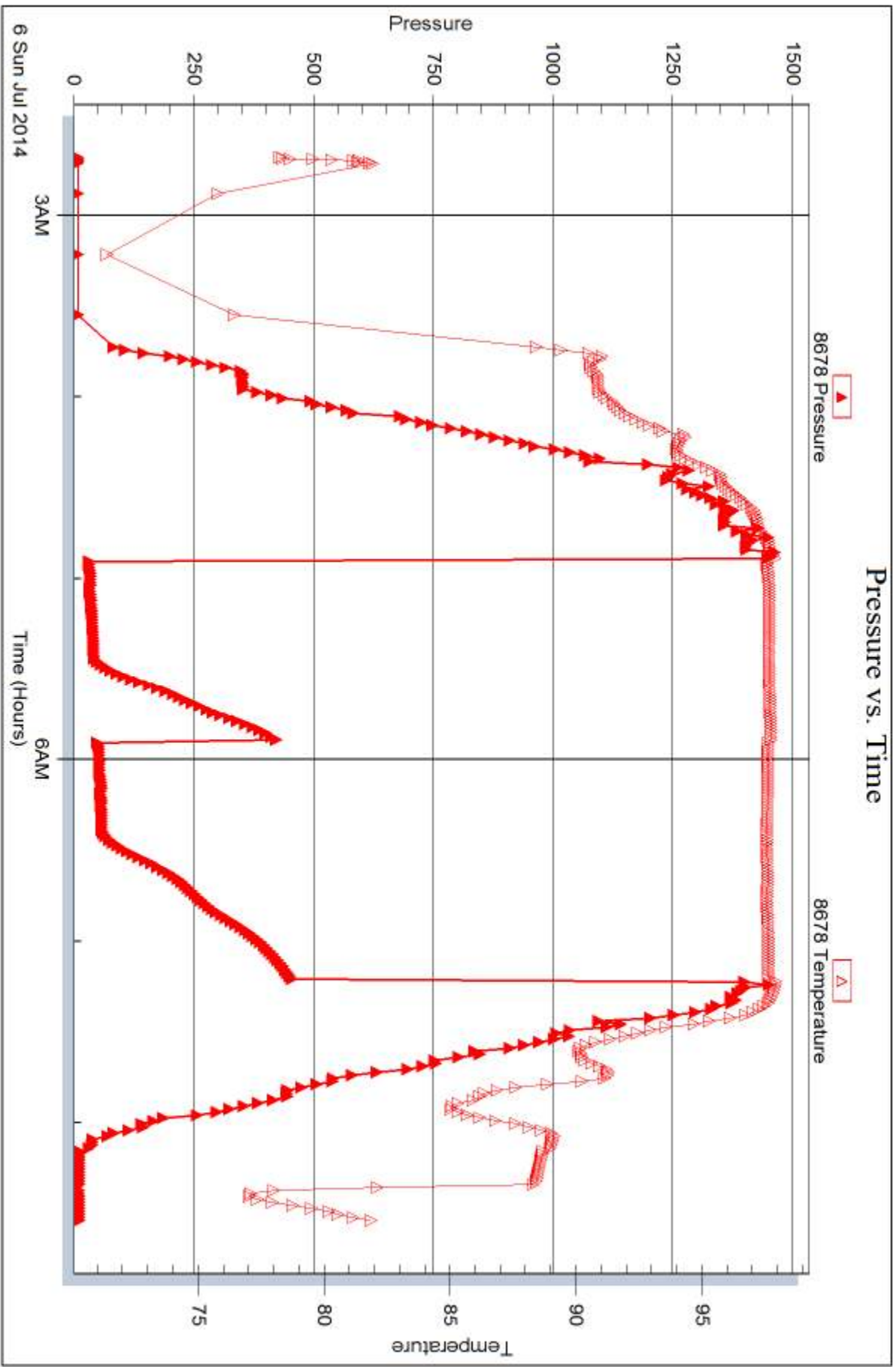


Serial #: 8678

Outside American Warrior Inc

Event #19-35

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate, Jim Mu

Eulert #19-35

35-11s-15w Russell,KS

Start Date: 2014.07.06 @ 15:35:53

End Date: 2014.07.06 @ 20:26:47

Job Ticket #: 59321 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.07.09 @ 10:42:35



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59321

DST#: 2

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 15:35:53

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:56:48

Time Test Ended: 20:26:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3007.00 ft (KB) To 3046.00 ft (KB) (TVD)

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3046.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 80.37 psig @ 3014.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.06

End Date:

2014.07.06

Last Calib.:

2014.07.06

Start Time:

15:35:53

End Time:

20:26:47

Time On Btm:

2014.07.06 @ 16:53:48

Time Off Btm:

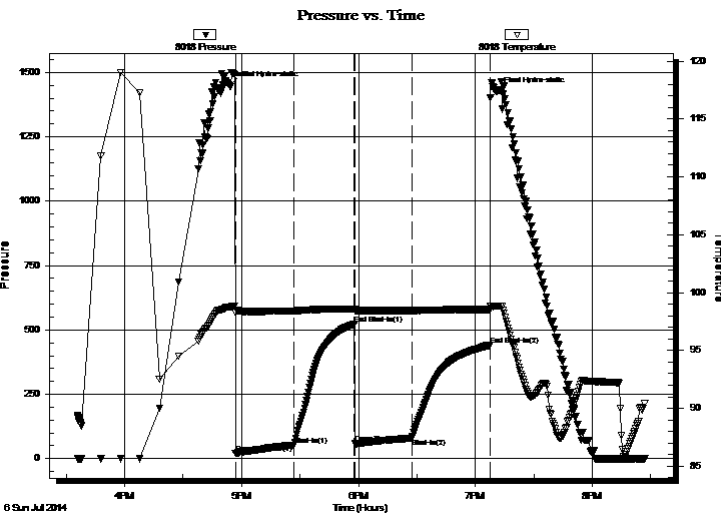
2014.07.06 @ 19:11:18

TEST COMMENT: 30-IFP-w k to a strg bl in 25 min

30-ISIP-no bl

30-FFP-w k to a gd bl 1/4" to 7" bl

45-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1447.36	98.77	Initial Hydro-static
3	19.94	98.27	Open To Flow (1)
33	53.22	98.42	Shut-In(1)
64	522.74	98.59	End Shut-In(1)
65	58.70	98.45	Open To Flow (2)
94	80.37	98.44	Shut-In(2)
134	440.74	98.55	End Shut-In(2)
138	1425.06	98.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	165'GIP	0.00
45.00	HO&GCM 10%G30%O60%M	0.63
95.00	SOCW 2%O98%W	1.33

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59321

DST#: 2

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 15:35:53

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:56:48
 Time Test Ended: 20:26:47
 Interval: **3007.00 ft (KB) To 3046.00 ft (KB) (TVD)**
 Total Depth: 3046.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 1813.00 ft (KB)
 1805.00 ft (CF)
 KB to GR/CF: 8.00 ft

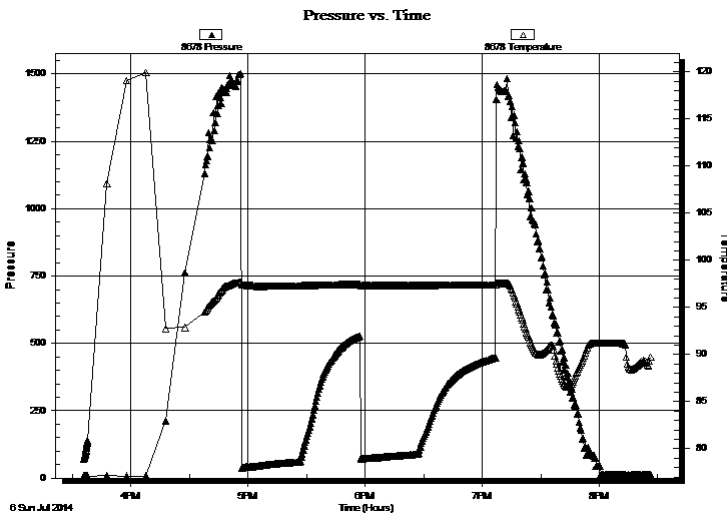
Serial #: 8678

Outside

Press@RunDepth: psig @ 3014.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.06 End Date: 2014.07.06 Last Calib.: 2014.07.06
 Start Time: 15:35:51 End Time: 20:26:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k to a strg bl in 25 min
 30-ISIP-no bl
 30-FFP-w k to a gd bl 1/4" to 7" bl
 45-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	165'GIP	0.00
45.00	HO&GCM 10%G30%O60%M	0.63
95.00	SOCW 2%O98%W	1.33

* 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

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59321

DST#: 2

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 15:35:53

Tool Information

Drill Pipe:	Length: 2991.00 ft	Diameter: 3.80 inches	Volume: 41.96 bbl	Tool Weight:	2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 41.96 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3007.00 ft			Final	34000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	60.00 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			2987.00	
Shut In Tool	5.00			2992.00	
Hydraulic tool	5.00			2997.00	
Packer	5.00			3002.00	21.00 Bottom Of Top Packer
Packer	5.00			3007.00	
Stubb	1.00			3008.00	
Perforations	6.00			3014.00	
Recorder	0.00	8018	Inside	3014.00	
Recorder	0.00	8678	Outside	3014.00	
Perforations	29.00			3043.00	
Bullnose	3.00			3046.00	39.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59321

DST#: 2

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.06 @ 15:35:53

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:

65000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.09 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	165'GIP	0.000
45.00	HO&GCM 10%G30%O60%M	0.631
95.00	SOCW 2%O98%W	1.333

Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0

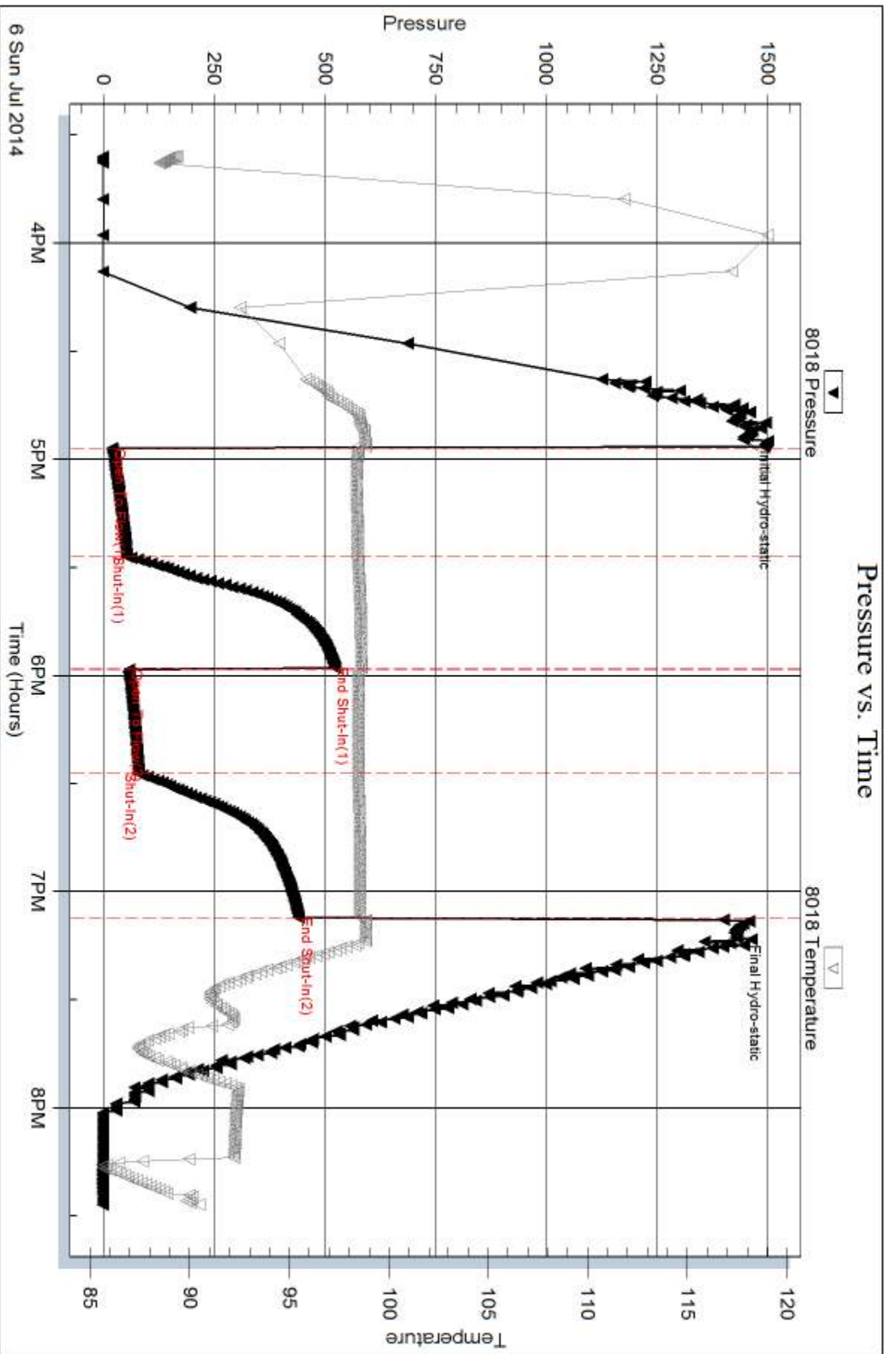
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .11@ 75F

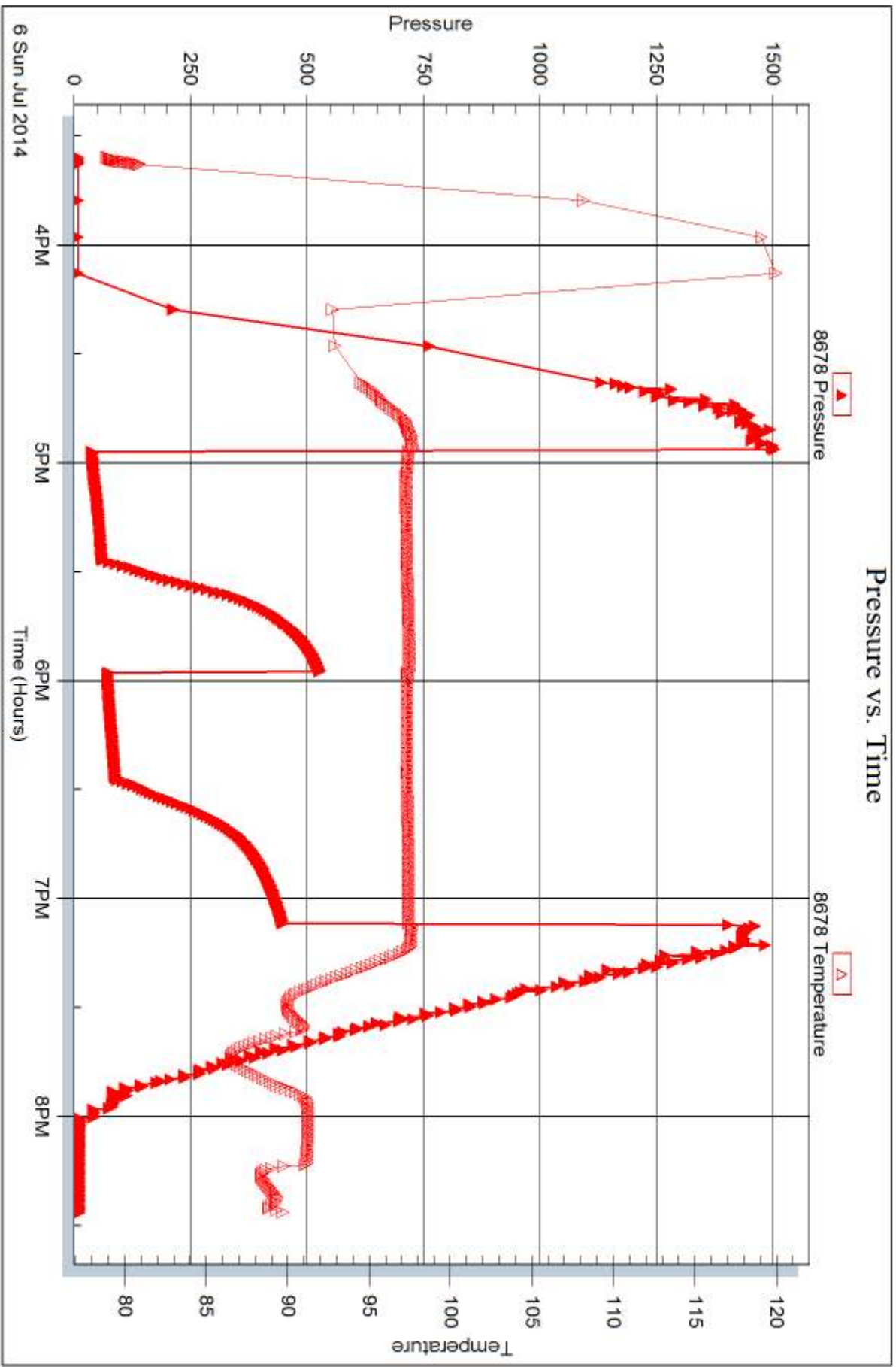


Serial #: 8678

Outside American Warrior Inc

Event #19-35

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate, Jim Mu

Eulert #19-35

35-11s-15w Russell,KS

Start Date: 2014.07.07 @ 08:40:31

End Date: 2014.07.07 @ 14:17:25

Job Ticket #: 59322 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.09 @ 10:42:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59322

DST#: 3

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 08:40:31

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:22:26
 Time Test Ended: 14:17:25
 Interval: **3097.00 ft (KB) To 3164.00 ft (KB) (TVD)**
 Total Depth: 3164.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 1813.00 ft (KB)
 1805.00 ft (CF)
 KB to GR/CF: 8.00 ft

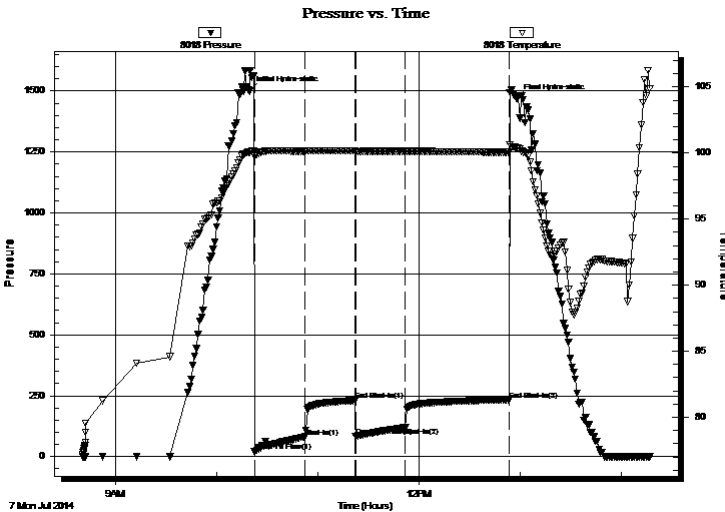
Serial #: 8018

Inside

Press@RunDepth: 119.25 psig @ 3099.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.07 End Date: 2014.07.07 Last Calib.: 2014.07.07
 Start Time: 08:40:31 End Time: 14:17:25 Time On Btm: 2014.07.07 @ 10:19:26
 Time Off Btm: 2014.07.07 @ 12:58:25

TEST COMMENT: -IFP-w k to strg in 28 min
 -ISIP-no bl
 -FFP-w k bl thru-out surface to 2 1/2" bl
 -FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1500.10	100.06	Initial Hydro-static
3	20.11	99.75	Open To Flow (1)
33	81.37	100.15	Shut-In(1)
63	230.35	100.16	End Shut-In(1)
63	84.09	100.10	Open To Flow (2)
93	119.25	100.13	Shut-In(2)
154	233.71	100.05	End Shut-In(2)
159	1470.93	100.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	MW 20%M80%W w /show of oil	0.49
185.00	Water	2.60

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59322

DST#: 3

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 08:40:31

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:22:26

Time Test Ended: 14:17:25

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3097.00 ft (KB) To 3164.00 ft (KB) (TVD)

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3164.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8678 Outside

Press@RunDepth: psig @ 3099.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.07 End Date: 2014.07.07

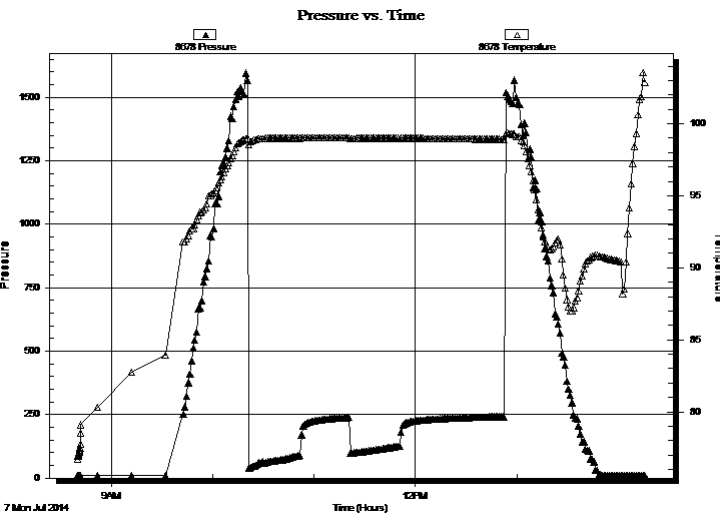
Last Calib.: 2014.07.07

Start Time: 08:40:11 End Time: 14:16:05

Time On Btm:

Time Off Btm:

TEST COMMENT: -IFP-w k to strg in 28 min
-ISIP-no bl
-FFP-w k bl thru-out surface to 2 1/2" bl
-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
35.00	MW 20%M80%W w/show of oil	0.49
185.00	Water	2.60

* 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

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59322

DST#: 3

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 08:40:31

Tool Information

Drill Pipe:	Length: 3096.00 ft	Diameter: 3.80 inches	Volume: 43.43 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 43.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3097.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	88.00 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			3077.00	
Shut In Tool	5.00			3082.00	
Hydraulic tool	5.00			3087.00	
Packer	5.00			3092.00	21.00 Bottom Of Top Packer
Packer	5.00			3097.00	
Stubb	1.00			3098.00	
Perforations	1.00			3099.00	
Recorder	0.00	8018	Inside	3099.00	
Recorder	0.00	8678	Outside	3099.00	
Blank Spacing	33.00			3132.00	
Perforations	29.00			3161.00	
Bullnose	3.00			3164.00	67.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59322

DST#: 3

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 08:40:31

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:

78000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.11 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
35.00	MW 20%M80%W w/show of oil	0.491
185.00	Water	2.595

Total Length: 220.00 ft Total Volume: 3.086 bbf

Num Fluid Samples: 0

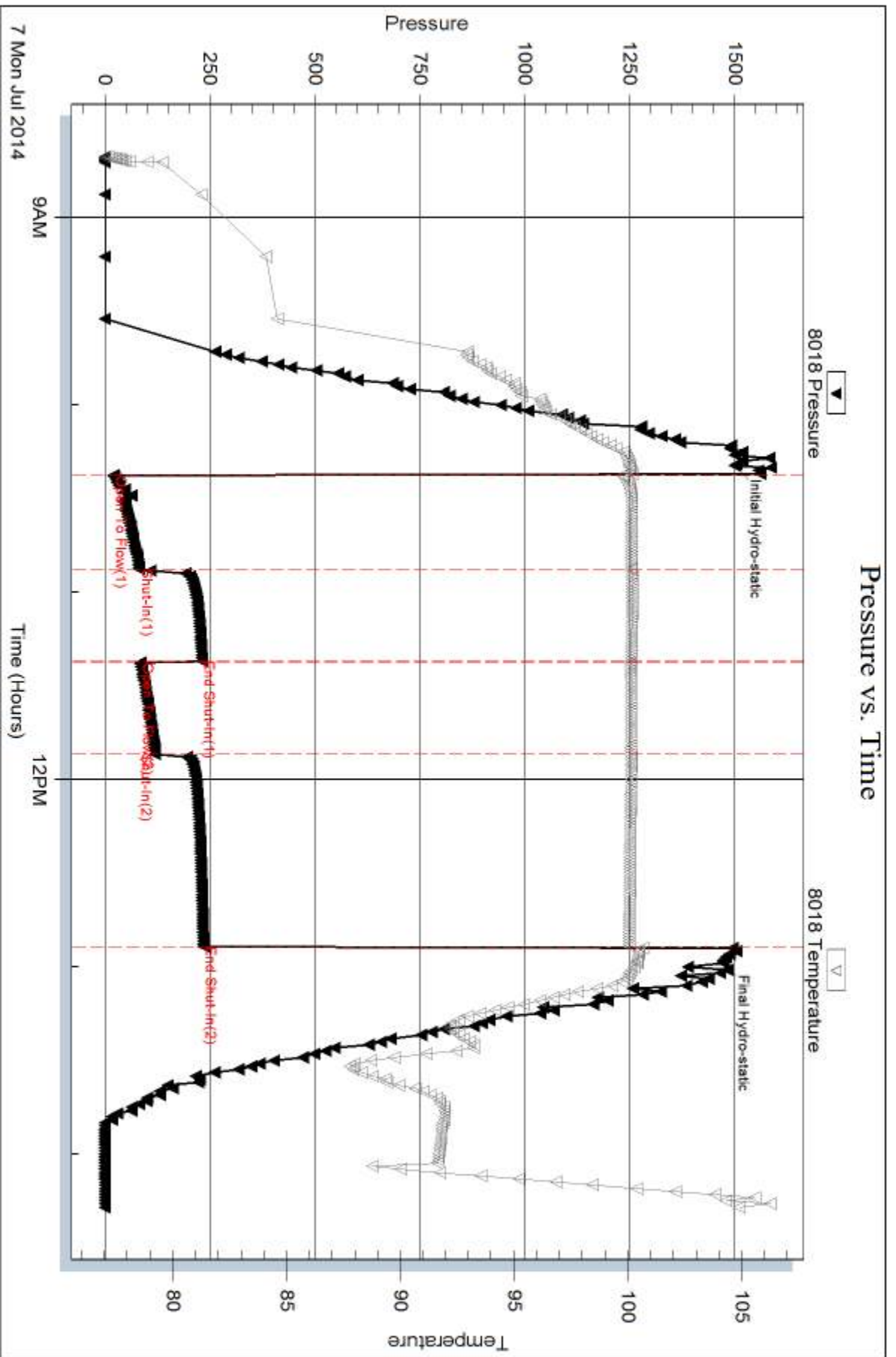
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .09 @ 75F

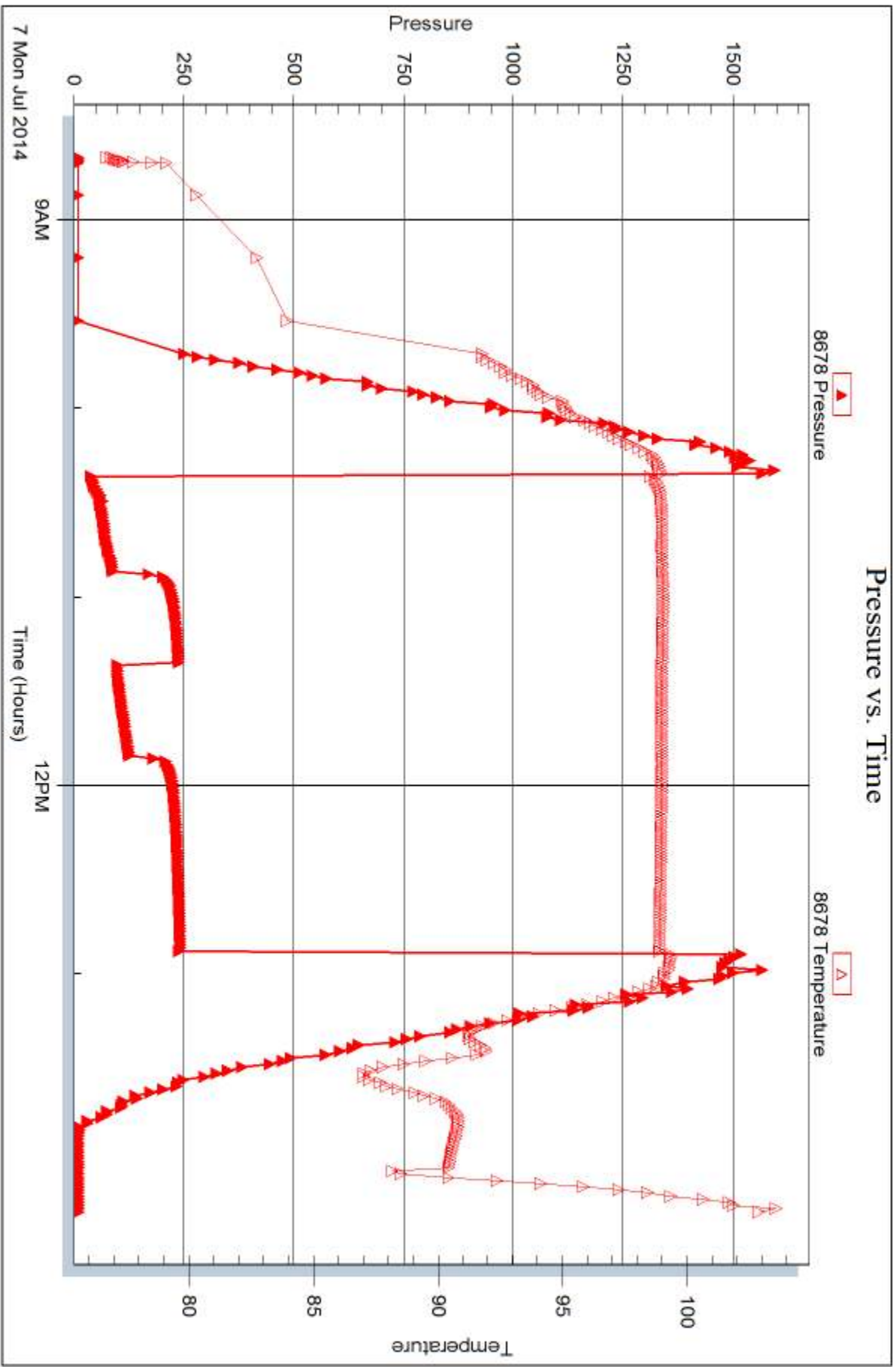


Serial #: 8678

Outside American Warrior Inc

Ellert #19-35

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate, Jim Mu

Eulert #19-35

35-11s-15w Russell,KS

Start Date: 2014.07.07 @ 23:25:48

End Date: 2014.07.08 @ 05:06:42

Job Ticket #: 59323 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.09 @ 10:41:55



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59323

DST#: 4

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 23:25:48

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:21:13

Time Test Ended: 05:06:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3162.00 ft (KB) To 3224.00 ft (KB) (TVD)

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3224.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 15.38 psig @ 3164.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.07

End Date:

2014.07.08

Last Calib.:

2014.07.08

Start Time: 23:25:48

End Time:

05:06:42

Time On Btm:

2014.07.08 @ 01:18:43

Time Off Btm:

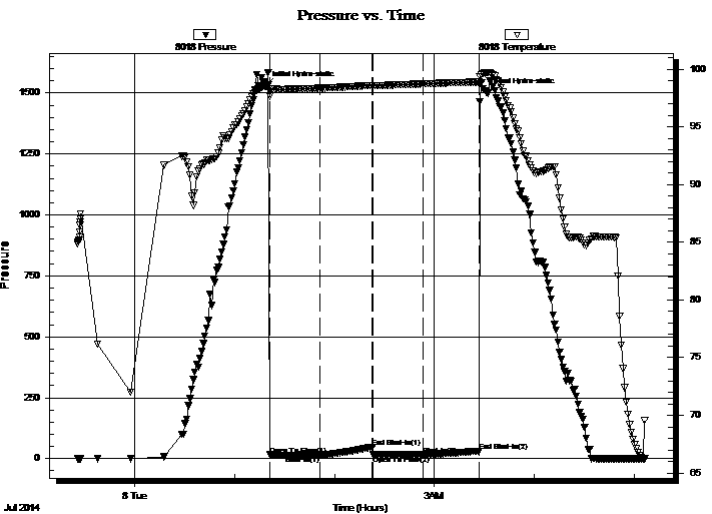
2014.07.08 @ 03:31:43

TEST COMMENT: 30-IFP-surface bl died in 15 min

30-ISIP-no bl

30-FFP-no bl

30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1529.31	98.53	Initial Hydro-static
3	15.40	97.66	Open To Flow (1)
33	15.58	98.35	Shut-In(1)
64	47.76	98.58	End Shut-In(1)
65	15.32	98.56	Open To Flow (2)
95	15.38	98.73	Shut-In(2)
128	30.65	98.90	End Shut-In(2)
133	1501.54	99.71	Final Hydro-static

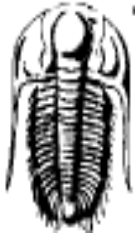
Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59323

DST#: 4

ATTN: Cecil O'Brate,Jim Mu

Test Start: 2014.07.07 @ 23:25:48

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:21:13

Time Test Ended: 05:06:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: **3162.00 ft (KB) To 3224.00 ft (KB) (TVD)**

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3224.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8678 Outside

Press@RunDepth: psig @ 3164.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.07

End Date:

2014.07.08

Last Calib.:

2014.07.08

Start Time: 23:25:49

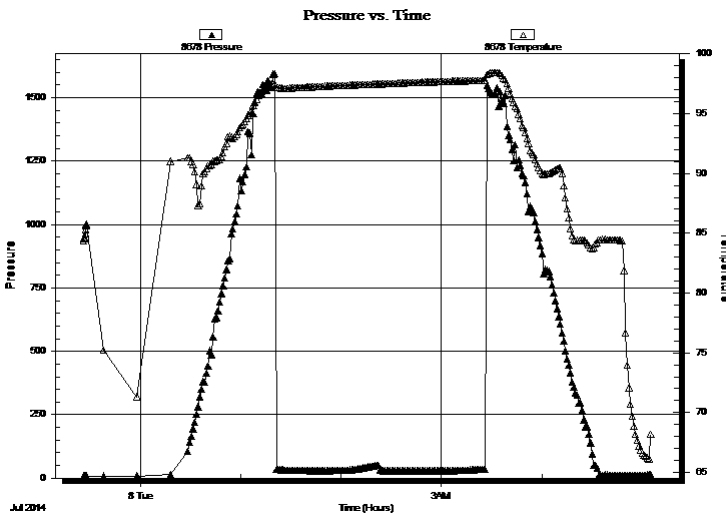
End Time:

05:05:43

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IFP-surface bl died in 15 min
30-ISIP-no bl
30-FFP-no bl
30-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59323

DST#: 4

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 23:25:48

Tool Information

Drill Pipe:	Length: 3155.00 ft	Diameter: 3.80 inches	Volume: 44.26 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 44.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3162.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	83.00 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			3142.00	
Shut In Tool	5.00			3147.00	
Hydraulic tool	5.00			3152.00	
Packer	5.00			3157.00	21.00 Bottom Of Top Packer
Packer	5.00			3162.00	
Stubb	1.00			3163.00	
Perforations	1.00			3164.00	
Recorder	0.00	8018	Inside	3164.00	
Recorder	0.00	8678	Outside	3164.00	
Blank Spacing	33.00			3197.00	
Perforations	24.00			3221.00	
Bullnose	3.00			3224.00	62.00 Bottom Packers & Anchor

Total Tool Length: 83.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

35-11s-15w Russell, KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59323

DST#: 4

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.07 @ 23:25:48

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

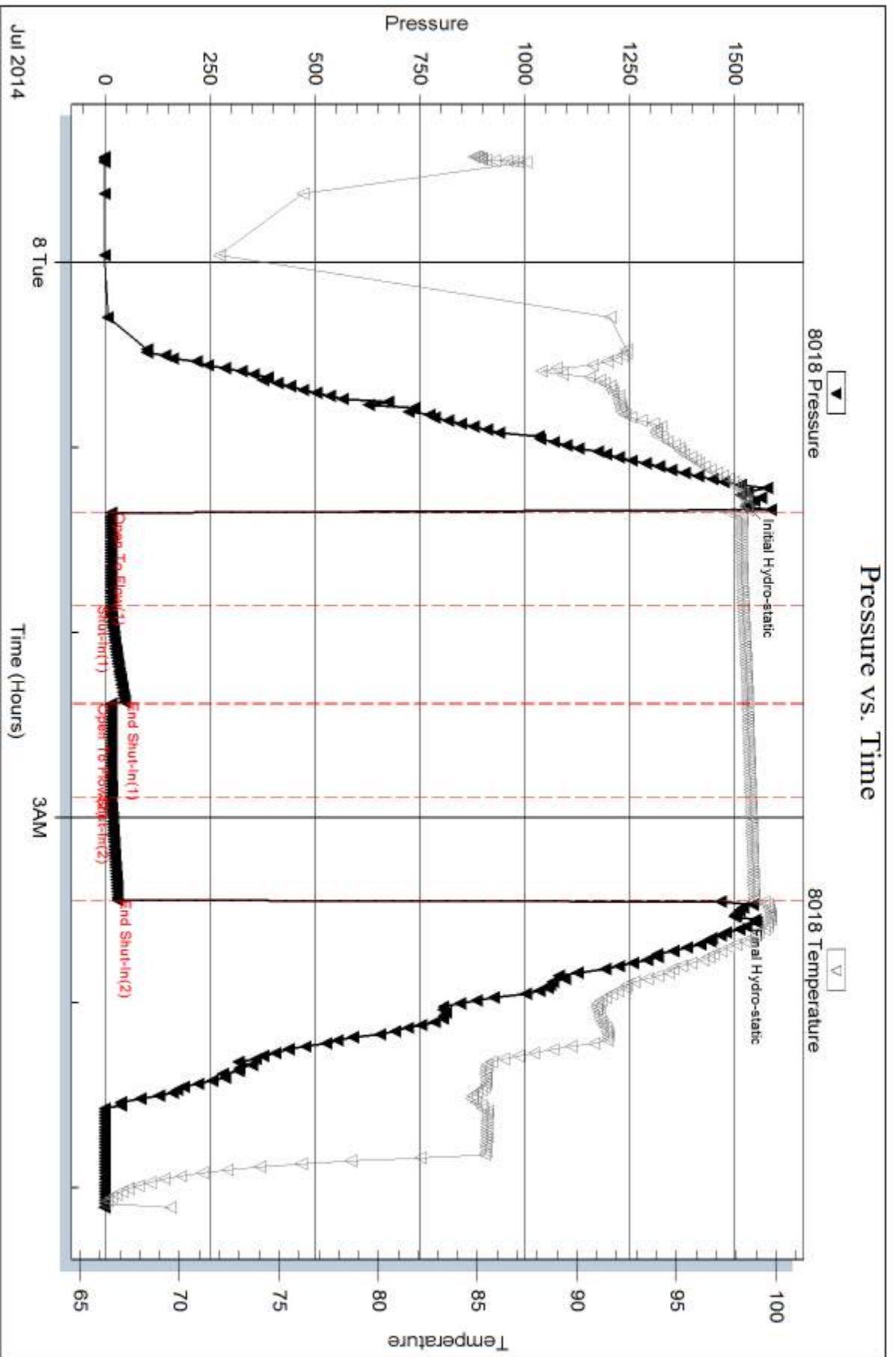
Num Gas Bombs: 0

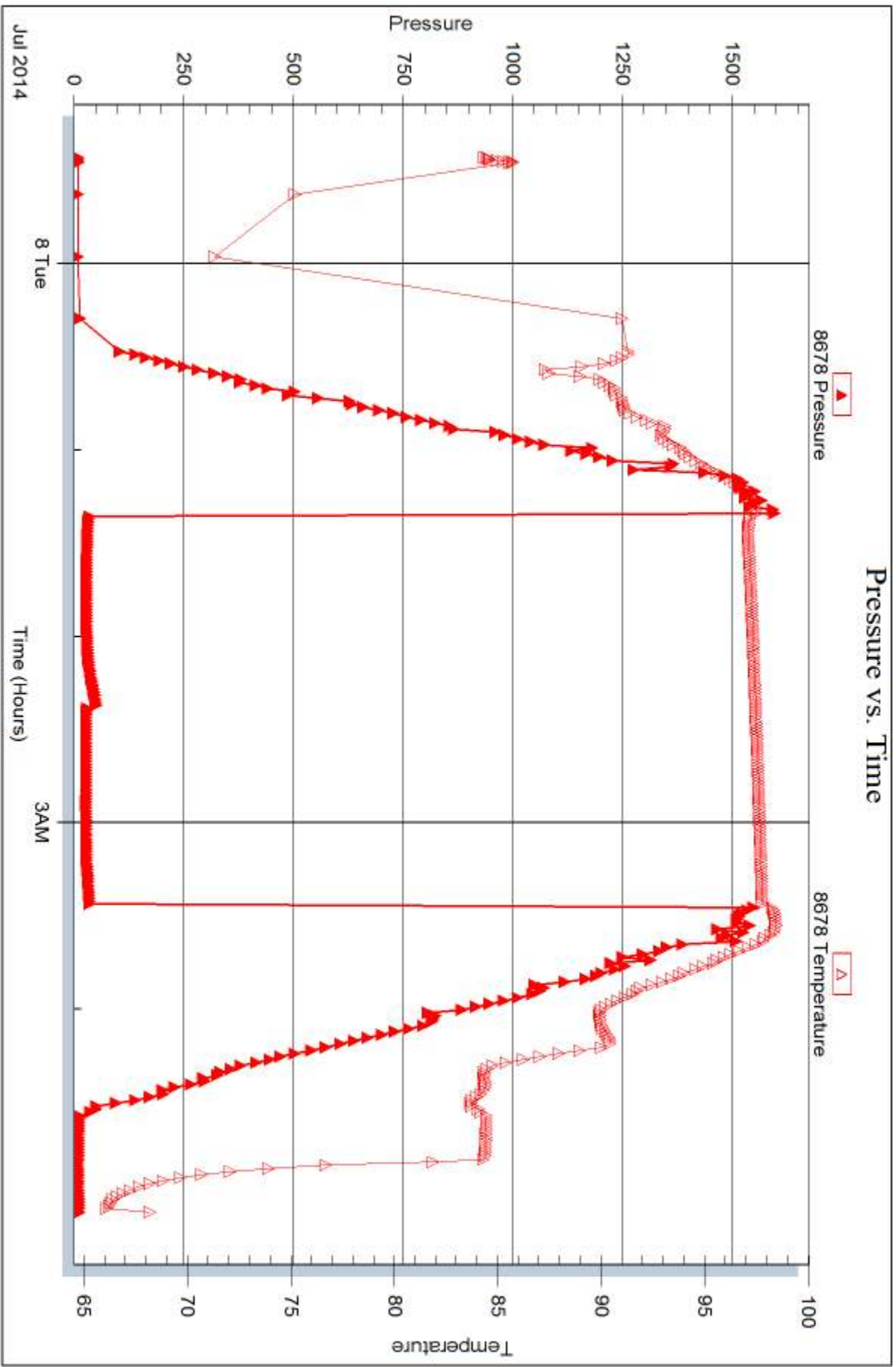
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Cecil O'Brate, Jim Mu

Eulert #19-35

35-11s-15w Russell,KS

Start Date: 2014.07.08 @ 13:45:13

End Date: 2014.07.08 @ 19:31:07

Job Ticket #: 59324 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.07.09 @ 10:41:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59324

DST#: 5

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.08 @ 13:45:13

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:18:38

Time Test Ended: 19:31:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3223.00 ft (KB) To 3273.00 ft (KB) (TVD)

Reference Elevations: 1813.00 ft (KB)

Total Depth: 3273.00 ft (KB) (TVD)

1805.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 773.78 psig @ 3237.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.07.08

End Date:

2014.07.08

Last Calib.:

2014.07.08

Start Time: 13:45:13

End Time:

19:31:07

Time On Btm:

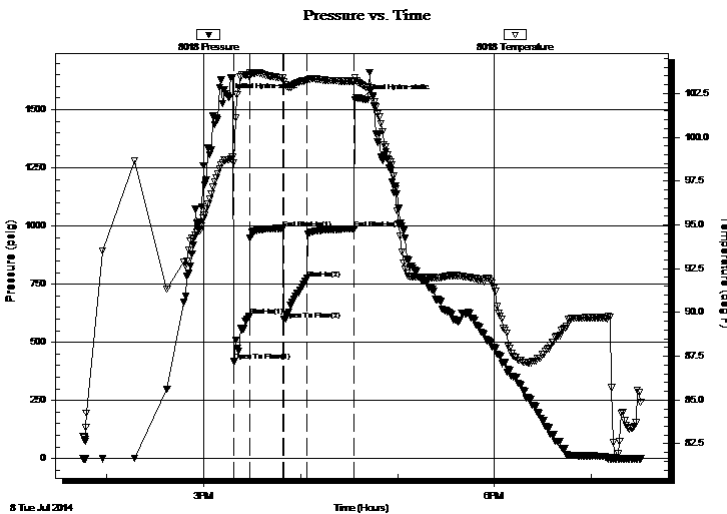
2014.07.08 @ 15:15:38

Time Off Btm:

2014.07.08 @ 16:37:38

TEST COMMENT: 10-IFP-strg bl thru-out
20-ISIP-no bl
15-FFP-strg bl thru-out
30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.24	98.73	Initial Hydro-static
3	417.57	98.53	Open To Flow (1)
13	614.19	103.49	Shut-In(1)
33	989.73	103.39	End Shut-In(1)
34	597.74	103.16	Open To Flow (2)
48	773.78	103.24	Shut-In(2)
78	987.40	103.20	End Shut-In(2)
82	1547.04	103.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	MGO 10%G40%M50%O	3.58
805.00	CO	11.29
186.00	O&GCW 5%G10%O80%W	2.61
124.00	SOCW 2%O98%W	1.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc

35-11s-15w Russell, KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59324

DST#: 5

ATTN: Cecil O'Brate, Jim Mu

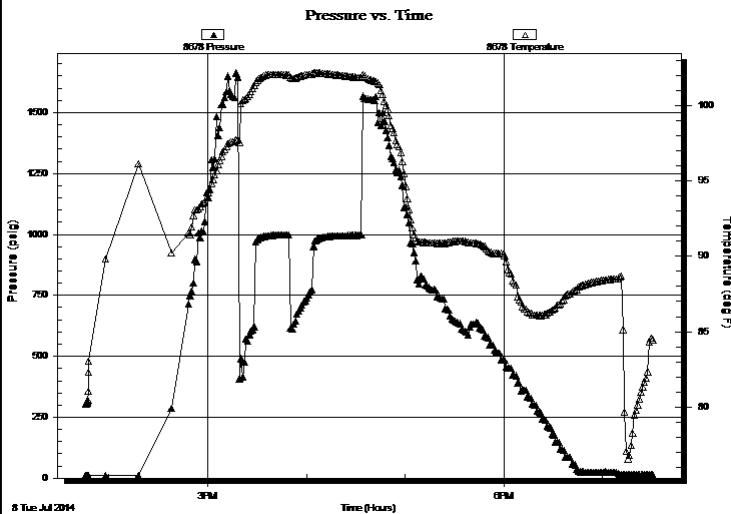
Test Start: 2014.07.08 @ 13:45:13

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:18:38
 Time Test Ended: 19:31:07
 Interval: **3223.00 ft (KB) To 3273.00 ft (KB) (TVD)**
 Total Depth: 3273.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 1813.00 ft (KB)
 1805.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8678 Outside
 Press@RunDepth: psig @ 3237.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.07.08 End Date: 2014.07.08 Last Calib.: 2014.07.08
 Start Time: 13:45:53 End Time: 19:30:47 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10-IFP-strg bl thru-out
 20-ISIP-no bl
 15-FFP-strg bl thru-out
 30-FSIP-no bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
255.00	MGO 10%G40%M50%O	3.58
805.00	CO	11.29
186.00	O&GCW 5%G10%O80%W	2.61
124.00	SOCW 2%O98%W	1.74

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59324

DST#: 5

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.08 @ 13:45:13

Tool Information

Drill Pipe:	Length: 3218.00 ft	Diameter: 3.80 inches	Volume: 45.14 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3223.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 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			3203.00	
Shut In Tool	5.00			3208.00	
Hydraulic tool	5.00			3213.00	
Packer	5.00			3218.00	21.00 Bottom Of Top Packer
Packer	5.00			3223.00	
Stubb	1.00			3224.00	
Perforations	13.00			3237.00	
Recorder	0.00	8018	Inside	3237.00	
Recorder	0.00	8678	Outside	3237.00	
Blank Spacing	33.00			3270.00	
Bullnose	3.00			3273.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

35-11s-15w Russell,KS

PO Box 399
Garden City KS 67846

Eulert #19-35

Job Ticket: 59324

DST#: 5

ATTN: Cecil O'Brate, Jim Mu

Test Start: 2014.07.08 @ 13:45:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	MGO 10%G40%M50%O	3.577
805.00	CO	11.292
186.00	O&GCW 5%G10%O80%W	2.609
124.00	SOCW 2%O98%W	1.739

Total Length: 1370.00 ft

Total Volume: 19.217 bbl

Num Fluid Samples: 0

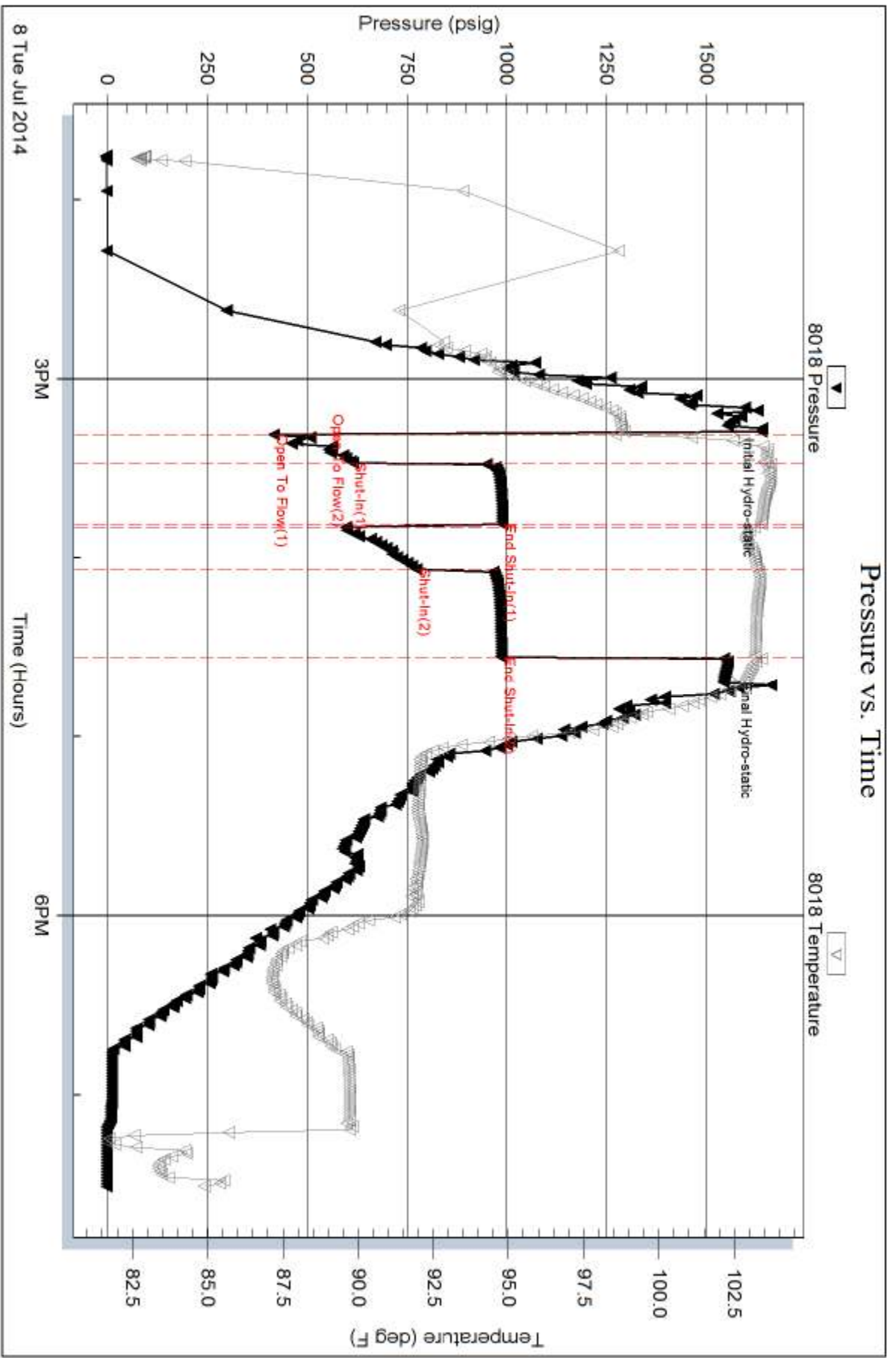
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .31@70F

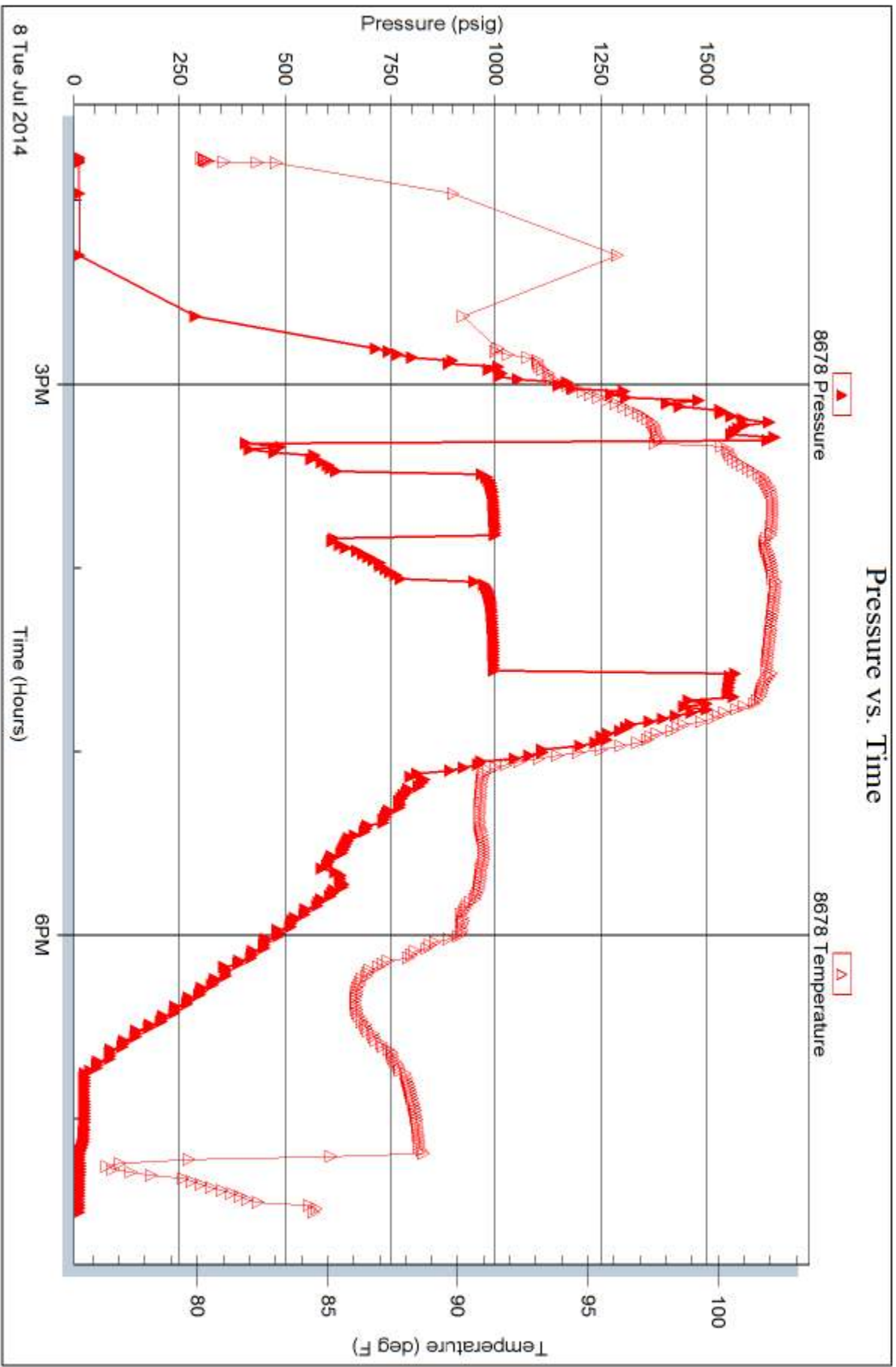


Serial #: 8678

Outside American Warrior Inc

Ellert #19-35

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 59324

Printed: 2014.07.09 @ 10:41:22



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59320

Well Name & No. EulerT #19-35 Test No. 1 Date 7-6-14
 Company AMERICAN WARRIOR, Inc Elevation 1813 KB 1805 GL
 Address Po Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Jim Musgrove Rig Duke rig 8
 Location: Sec. 35 Twp. 11^s Rge. 15^w Co. Russell State Ks

Interval Tested 2914-3010 Zone Tested _____
 Anchor Length 96 Drill Pipe Run 2903 Mud Wt. 9.2
 Top Packer Depth 2909 Drill Collars Run — Vis 53
 Bottom Packer Depth 2914 Wt. Pipe Run — WL 10
 Total Depth 3010 Chlorides 4100 ppm System LCM TR

Blow Description IFP - WEAK TO A FAIR BLOW 1/2" TO 4" BLOW
ISIP - NO BLOW
FFP - WEAK BLOW THRU-OUT 1/4" TO 2" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>Mud w/show fo. l</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT #98 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1393 Test 1150 T-On Location 0115
 (B) First Initial Flow 18 Jars _____ T-Started 0240
 (C) First Final Flow 31 Safety Joint _____ T-Open 0450
 (D) Initial Shut-In 416 Circ Sub _____ T-Pulled 0705
 (E) Second Initial Flow 35 Hourly Standby _____ T-Out 0833
 (F) Second Final Flow 51 Mileage 88RT 136.40 Comments MoTel
 (G) Final Shut-In 447 Sampler _____
 (H) Final Hydrostatic 1378 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1286.40
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 45 Sub Total 1286.40

Approved By _____ Our Representative RAY Schwager Thank you

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. 59321

4/10

Well Name & No. EulerT #19-35 Test No. 2 Date 7-6-14
 Company AMERICAN WARRIOR Inc Elevation 1813 KB 1805 GL
 Address PO Box 399 Garden City, Ks 67846
 Co. Rep / Geo. Jim Musgrove, Adam Rig Duke rig 8
 Location: Sec. 35 Twp. 11^s Rge. 15^w Co. Russell State K

Interval Tested 3007-3046 Zone Tested LKC
 Anchor Length 39 Drill Pipe Run 2991 Mud Wt. 9.1
 Top Packer Depth 3002 Drill Collars Run - Vis 60
 Bottom Packer Depth 3007 Wt. Pipe Run - WL 9.2
 Total Depth 3046 Chlorides 6200 ppm System LCM TR

Blow Description IFP - WEAK TO STRONG IN 25 MIN
ISIP - NO BLOW
FFP - WEAK TO A GOOD BLOW 4" TO 7" BLOW
FSTIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>165</u>	<u>GIP</u>				
<u>45</u>	<u>HO+GCM</u>	<u>10</u>	<u>30</u>		<u>60</u>
<u>95</u>	<u>SOCW</u>		<u>2</u>	<u>98</u>	

Rec Total 140 BHT 98 Gravity - API RW .11 @ 75 ° F Chlorides 65000 ppm

(A) Initial Hydrostatic 1447 Test 1150 T-On Location 1510
 (B) First Initial Flow 19 Jars _____ T-Started 1535
 (C) First Final Flow 53 Safety Joint _____ T-Open 1655
 (D) Initial Shut-In 522 Circ Sub _____ T-Pulled 1910
 (E) Second Initial Flow 58 Hourly Standby _____ T-Out 2026
 (F) Second Final Flow 80 Mileage 88 RT 136.40 Comments Motel
 (G) Final Shut-In 440 Sampler _____
 (H) Final Hydrostatic 1425 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1286.40
 Final Shut-In 45 Accessibility _____ MP/DST Disc't _____
 Sub Total 1286.40

Approved By _____ Our Representative RAY SCHWAGER Thank you

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. 59322

Well Name & No. Euleet #19-35 Test No. 3 Date 7-7-14
 Company American Warrior Inc Elevation 1813 KB 1805 GL
 Address Po Box 399 Garden City, Ko 67846
 Co. Rep / Geo. Adam Falk, Jim Musgrove Rig Duke rig 8
 Location: Sec. 35 Twp. 11^s Rge. 15^w Co. Russell State Ko

Interval Tested 3097-3164 Zone Tested LKC
 Anchor Length 67 Drill Pipe Run 3096 Mud Wt. 9.1
 Top Packer Depth 3092 Drill Collars Run - Vis 51
 Bottom Packer Depth 3097 Wt. Pipe Run - WL 9.2
 Total Depth 3164 Chlorides 6200 ppm System LCM -

Blow Description IFP - WEAK TO STRONG IN 28 MIN
ISIP - NO BLOW
FFP - WEAK
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>Feet of MW w/show gas</u>			<u>80</u>	<u>20</u>
<u>185</u>	<u>Feet of WATER</u>				

Rec Total 220 BHT 100 Gravity - API RW .09 @ 75° F Chlorides 78000 ppm

(A) Initial Hydrostatic 1500 Test 1150 T-On Location 0740
 (B) First Initial Flow 20 Jars - T-Started 0840
 (C) First Final Flow 81 Safety Joint - T-Open 0955
 (D) Initial Shut-In 230 Circ Sub - T-Pulled 1225
 (E) Second Initial Flow 84 Hourly Standby - T-Out 1417
 (F) Second Final Flow 119 Mileage 88 RT 136.40 Comments -
 (G) Final Shut-In 233 Sampler - Motel
 (H) Final Hydrostatic 1470 Straddle - Ruined Shale Packer -
 Shale Packer - Ruined Packer -

Initial Open 30 Extra Packer - Extra Copies -
 Initial Shut-In 30 Extra Recorder - Sub Total 0
 Final Flow 36 Day Standby - Total 1286.40
 Final Shut-In 60 Accessibility - MP/DST Disc't -
 Sub Total 1286.40

Approved By _____ Our Representative Ray Schwagn Thank you

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. 59323

Well Name & No. EulerT #19-35 Test No. 4 Date 7-7-14
 Company AMERICAN WARRIOR, Inc Elevation 1813 KB 1805 GL
 Address PO BOX 399 Garden City, Ko 67846
 Co. Rep / Geo. Adam Falk, Jim Musgrove Rig Duke rig 8
 Location: Sec. 35 Twp. 11^s Rge. 15^w Co. Russell State Ko

Interval Tested 3162-3224 Zone Tested LKC
 Anchor Length 62 Drill Pipe Run 3155 Mud Wt. 9.2
 Top Packer Depth 3157 Drill Collars Run - Vis 53
 Bottom Packer Depth 3162 Wt. Pipe Run - WL 8.4
 Total Depth 3224 Chlorides 8100 ppm System LCM -
 Blow Description IFP - SURFACE Blow, died in 15min
ISIP - NO Blow
FFP - NO Blow
FSIP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 98 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1529 Test 1150 T-On Location 2250
 (B) First Initial Flow 15 Jars - T-Started 2325
 (C) First Final Flow 15 Safety Joint - T-Open 0120
 (D) Initial Shut-In 47 Circ Sub - T-Pulled 0320
 (E) Second Initial Flow 15 Hourly Standby - T-Out 0506
 (F) Second Final Flow 15 Mileage 88 RT 136.40 Comments -
 (G) Final Shut-In 30 Sampler -
 (H) Final Hydrostatic 1501 Straddle - Ruined Shale Packer -
 Shale Packer - Ruined Packer -
 Extra Packer - Extra Copies -
 Extra Recorder - Sub Total 0
 Day Standby - Total 1286.40
 Accessibility - MP/DST Disc't -
 Sub Total 1286.40

Approved By _____ Our Representative RAY SCHWAGER Thank you

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59324

Well Name & No. EulerT #19-35 Test No. 5 Date 7-8-14
 Company AMERICAN WARRIOR, Inc Elevation 1813 KB 1805 GL
 Address PO Box 399 Garden City, Mo 67846
 Co. Rep / Geo. Adam Falk, Jim Musgrove Rig Duke rig 8
 Location: Sec. 35 Twp. 11^s Rge. 15^w Co. Russell State Ko

Interval Tested 3223-3273 Zone Tested Arbuckle
 Anchor Length 50 Drill Pipe Run 3218 Mud Wt. 9.1
 Top Packer Depth 3218 Drill Collars Run - Vis 50
 Bottom Packer Depth 3223 Wt. Pipe Run - WL 8
 Total Depth 3273 Chlorides 7600 ppm System LCM TR

Blow Description IFP - Strong Blow thru-out
ISTP - NO Blow
FFP - Strong Blow thru-out
FSTP - NO Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>255</u>	<u>M60</u>	<u>10</u>	<u>50</u>	<u>40</u>	
<u>805</u>	<u>CO</u>				
<u>186</u>	<u>0+6 CW</u>	<u>5</u>	<u>10</u>	<u>80</u>	
<u>124</u>	<u>WATER</u>				

Rec Total 1370 BHT 1 Gravity 29 API RW .31 @ 70 ° F Chlorides 23000 ppm

(A) Initial Hydrostatic 1552 Test 1150 T-On Location 1310
 (B) First Initial Flow 417 Jars _____ T-Started 1345
 (C) First Final Flow 614 Safety Joint _____ T-Open 1520
 (D) Initial Shut-In 989 Circ Sub _____ T-Pulled 1635
 (E) Second Initial Flow 597 Hourly Standby _____ T-Out 1931
 (F) Second Final Flow 773 Mileage 88RT 136.40 Comments _____
 (G) Final Shut-In 987 Sampler _____
 (H) Final Hydrostatic 1547 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 10 Extra Packer _____ Extra Copies _____
 Initial Shut-In 20 Extra Recorder _____ Sub Total 0
 Final Flow 15 Day Standby _____ Total 1286.40
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1286.40

Approved By _____ Our Representative Ray Schwager Thank you

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.



Office
 (620) 588-4250 212 Main St. • P.O. Box 215 • Clarlin, KS 67525
 Home
 (620) 587-3444

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>American Warrior Inc.</u>		ELEVATIONS	
LEASE <u>Eulert #19-35</u>		KB <u>1813</u>	
FIELD <u>Eulert</u>		DF _____	
LOCATION <u>Ne-Ne-SW (2310' ESL)</u> <u>(2310' FWL)</u>		GL <u>1805</u>	
SEC <u>35</u> TWPSP <u>11 S</u> RGE <u>315 W</u>		Measurements Are All From <u>-KB-</u>	
COUNTY <u>Russell</u> STATE <u>Kansas</u>			
CONTRACTOR <u>Duke Drilling Co. (rig# 8)</u>		SURFACE <u>CASING 883'</u> <u>858 1/2'</u>	
SPUD <u>7/1/2014</u> COMP <u>7/9/2014</u>		PRODUCTION <u>5/21/12 3373'</u>	
RTD <u>3373</u> LTD <u>3374</u>		ELECTRICAL SURVEYS <u>By Pioneer</u> <u>DDL, CNL/CD, m&L</u>	
MUD UP <u>2500</u> TYPE MUD <u>Chemical displaced</u>			
SAMPLES SAVED FROM <u>2600</u> TO _____			
DRILLING TIME KEPT FROM <u>2600</u> TO _____		<u>RTD</u>	
SAMPLES EXAMINED FROM <u>2600</u> TO _____			
GEOLOGICAL SUPERVISION FROM <u>2700</u> TO _____			
GEOLOGIST ON WELL <u>Adam Folk & James C. Musgrove</u>			
FORMATION TOPS	LOG	SAMPLES	
<u>Anhydrite</u>	<u>883 +920</u>		
<u>Base anhydrite</u>	<u>921 +892</u>		
<u>Topoka</u>	<u>2663 -850</u>		
<u>Hebner</u>	<u>2918 -1105</u>		
<u>Toronto</u>	<u>2937 -1124</u>		
<u>Hansing</u>	<u>2961 -1148</u>		
<u>Base Kansas City</u>	<u>3241 -1428</u>		
<u>Arbuckle</u>	<u>3264 -1451</u>		
<u>LTD</u>	<u>3374 -1561</u>		
<u>RTD</u>	<u>3373 -1560</u>		

REMARKS
5 1/2" production casing was set & cemented
on the American Warrior Inc, Eulert # 19-35.

Respectfully submitted,
James C. Musgrove & Adam Folk

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool Lime	Chert	Dolomite

LITHOLOGY	DEPTH	DRILLING TIME (Logarithmic Scale)		SAMPLE DESCRIPTIONS	REMARKS
		.5	1 2 3 4 5 10 15 20 30		
	60				
	80				
	2700				
	20				
	40				
	60				
	80				
	2800				
	20				

- Jopeka
2664

LS, gm / brown, fxl,
slightly d'y
poorly

~ gm / green sh.

LS, crn, wh, fxl, few foss,
scatt b; jr. blk. stn)
nsfo, or odor

~

LS, tan, inc;
gm / blk. stn, nsfo
no odor.

LS, tan, fxl, few
d'y / chunky in part
lnts

~

~ jr. blk carb. sh.

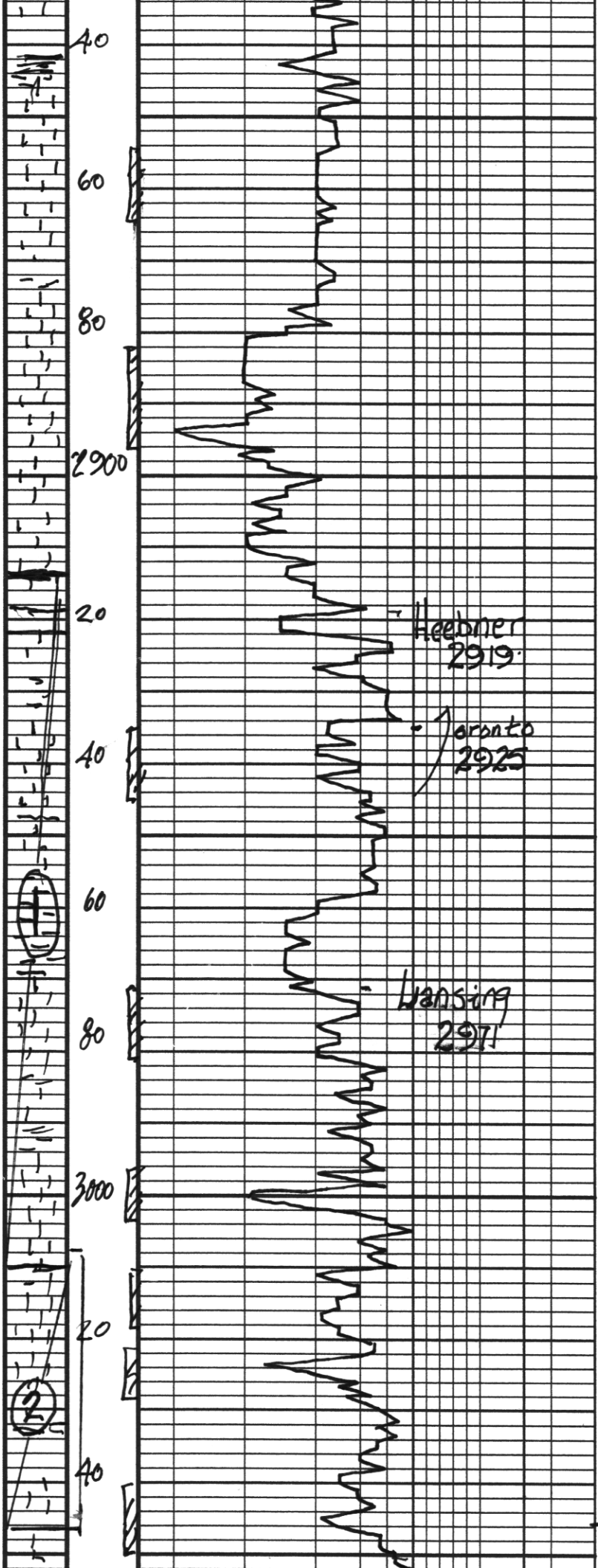
~

gm / green sh

~

LS, tan, fxl, chunky
poorly

~



~ blk carb. sh.

LS, tan, brown, fxt;
 few foss; poor vis g
 fr. light brown str;
 sfo; no odor

LS, tan, fxt; scatt x-l
 p.p. g; light brown / blk brown
 str, sfo; ??? odor

and Jr. gm. A

~ blk carb. sh.

LS, tan, fxt; foss; cherty;
 pebbly dev g; fr. str;
 sfo; no odor in fresh
 samples

} 2

~ v.c. soft sh

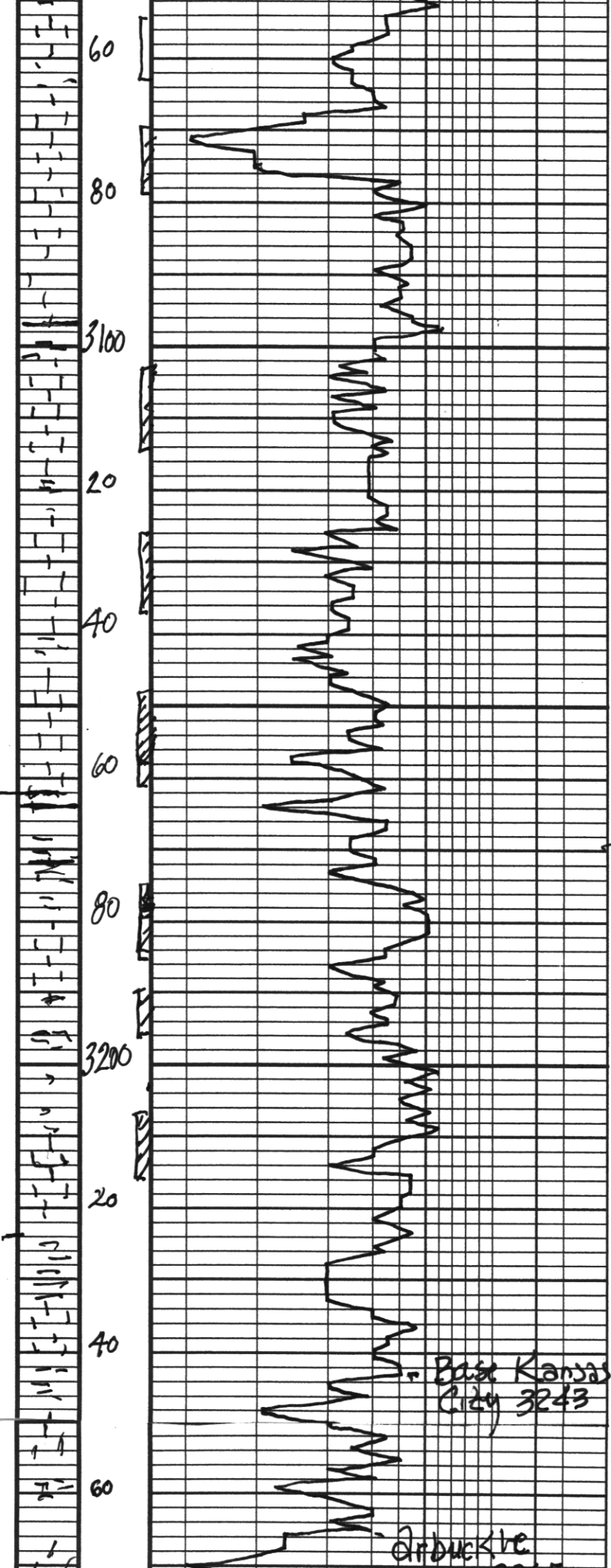
LS, tan/crm, highly foss;
 poor / fr. g; brown str;
 sfo; ft. odor

LS, tan, fxt; scatt g;
 brown str/sat; sfo;
 ft. odor

LS, tan f. med x l;
 ool; fr. g; light brown
 str; sfo; ft / fr. odor

LS, wh/crm, fxt;
 ool / sub ool; fr - good g; brown
 str; sfo; fr. odor

LS, wh/gm, fxt; few foss;
 poor vis g; fr. brown
 str; sfo; fr. odor



sp. sh. no odor

LS, (cm) (wh) ool; cherty
scat g; dk brown sh
sfo; ??? odor

LS, tan, ool; ool, cherty
poor brown sh; poor sfo
no odor

LS, (cm) / tan, ool;
dense; scat g; nty

blk
carb sh

ls / tan, foss / cherty;
br. brown / sh; sfo;
gm / blk sh. ??? odor

LS, (cm) / tan, fxl; few
med sh; few foss;
poorly dev g; light brown
sh; info; no odor

LS, tan, ool; cherty; br.
brown / gm sh; sfo;
st. odor

blk sh.

gm / green sh

LS, gm / (cm) fxl; ool
fair g; brown sh;
sfo; no odor

blk / coffee brown sh

LS, wh; fxl; foss;
slightly dy; poor g
brown sh; info; no odor

gm / rusty brown
green soft sh

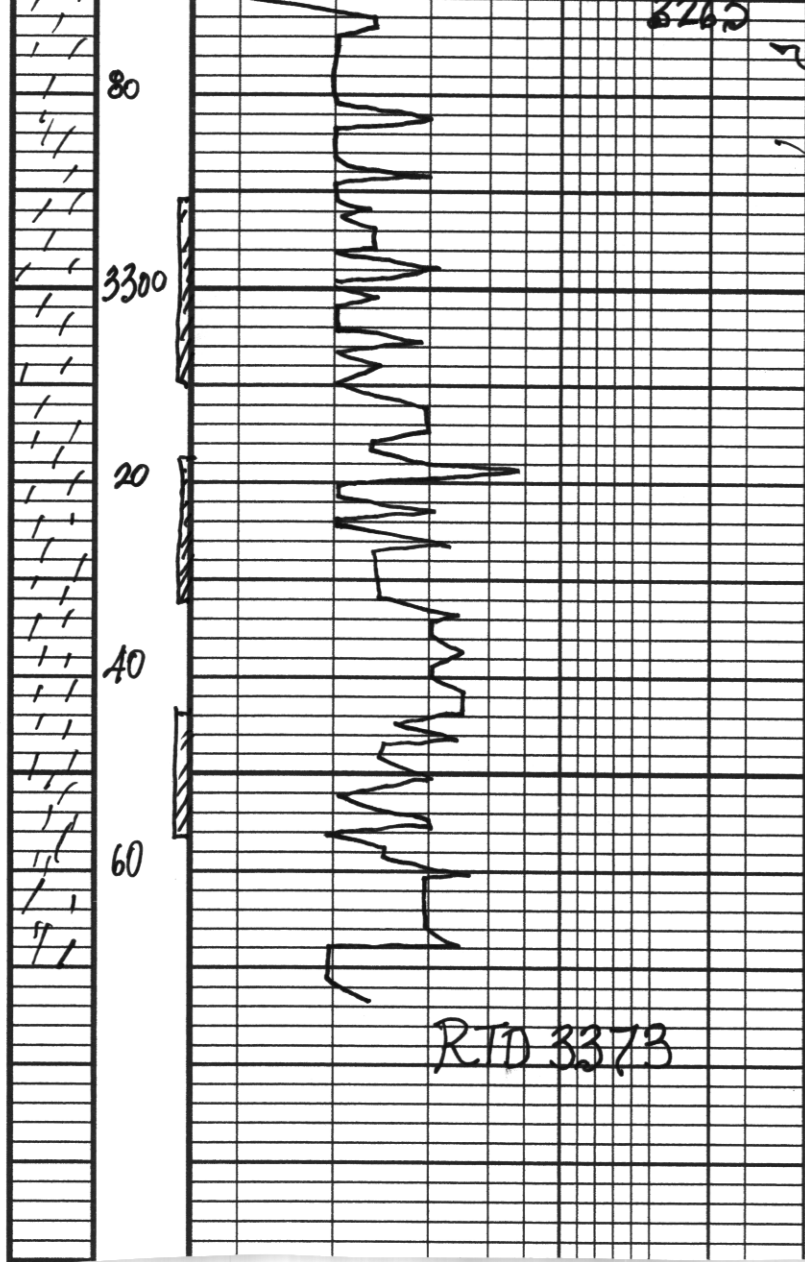
LS, tan, fxl; green / dense

green / lime green gm sh
p. p. p.

LS, tan / (cm) fxl; slightly
dy (dse)

aa

dd; (cm) wh; sug; scat pfg



8260

brown stn sfg, odor
 dol, crm/wh f med xl,
 fr. Fr-L/vuggy, golden brown
 stn, sfg, good odor.

dob aa, fr. stn/sst
 sfg, odor

dd, crm/gm, med xl,
 sst, Fr-L, brown stn
 sst, v-to, fr. odor

dol, gry/f, med xl,
 few sst, sandy in part
 twh & m/s

32
 Dolomite, wh/crm, fr, sst
 sst

32
 Dol, A aa
 + wh. chlc