



KANSAS CORPORATION COMMISSION 1157600
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Eulert Unit 17
Doc ID	1157600

Tops

Name	Top	Datum
Anhy	800'	
B/Anhy	841'	
Topeka	2623'	-844
Heebner	2877'	-1098
Toronto	2895'	-1116
Lansing	2928'	-1149
B/KC	3183'	-1404
Arbuckle	3218'	-1439

JAMES C. MUSGROVE

Petroleum Geologist
212 Main Street
P.O. Box 215
Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

American Warrior Inc.
Eulert Unit #17
1589' FSL & 1707' FWL (SE-SW-NE-SW)
Section 35-11s-15w
Russell County, Kansas
Page 1

5 1/2" Production Casing Set

Contractor: Duke Drilling Co. (Rig #8)
Commenced: July 19, 2013
Completed: July 28, 2013
Elevation: 1779' K.B; 1777' D.F; 1771' G.L.
Casing program: Surface; 8 5/8" @ 837'
Production; 5 1/2" @ 3331'
Sample: Samples saved and examined 2600' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2600 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were five (5) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services; Dual Induction, Dual Compensated Porosity & Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	841	+938
Base Anhydrite	880	+899
Topeka	2623	-844
Heebner	2877	-1098
Toronto	2895	-1116
Lansing	2928	-1149
Base Kansas City	3183	-1404
Arbuckle	3218	-1439
Rotary Total Depth	3335	-1556
Log Total Depth	3332	-1553

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

2656-2666' Limestone; gray, granular, chalky, poor visible porosity, trace stain, trace of free oil and questionable odor.

2802-2810' Limestone; tan, brown, granular, finely crystalline, scattered porosity, trace stain, trace of free oil and faint odor.

2834-2858' Limestone; tan, brown, finely crystalline, poor visible porosity, chalky, trace stain, trace of free oil and faint odor in fresh samples.

TORONTO SECTION

2895-2902' Limestone; tan, finely crystalline, poor visible porosity, poor stain, trace of free oil and no odor in fresh samples.

LANSING SECTION

2932-2936' Limestone; tan, cream, oolitic, fair porosity, light brown stain, trace of free oil and fair odor in fresh samples.

2936-2942' Limestone; tan, brown, finely crystalline, few fossiliferous, poor visible porosity, no shows.

2956-2960' Limestone; tan, finely crystalline, scattered intercrystalline porosity, light brown stain, trace of free oil and no odor in fresh samples.

Drill Stem Test #1 2894-2964'

Times: 30-30-45-45

Blow: Strong

**Recovery: 1800' gas in pipe
10' oil cut mud
(10% oil, 90% mud)
60' oil and gas cut mud
925% gas, 20% oil, 55% mud)
180' heavy oil and gas cut watery mud
(45% gas, 35% oil, 5% water 15% mud)**

**Pressures: ISIP 686 psi
FSIP 652 psi
IFP 52-116 psi
FFP 115-172 psi
HSH 1408-1394 psi**

2968-2976' Limestone; tan, fine and medium crystalline, poor to fair porosity, light brown stain, show of free oil and fair odor in fresh samples.

2980-2990' Limestone; cream, white, finely crystalline, good porosity, brown stain, show of free oil and good odor in fresh samples.

Drill Stem Test #2 2966-2997'

Times: 30-30-45-45

Blow: Strong

**Recovery: 200' gas in pipe
3' clean oil
1200' muddy water**

Pressures: ISIP 721 psi
FSIP 710 psi
IFP 110-312 psi
FFP 311-519 psi
HSH 1477-1418 psi

- 3004-3010' Limestone; cream, tan, finely crystalline, few fossiliferous, poor porosity, no shows.
- 3028-3034' Limestone; cream, finely crystalline, scattered sub oomoldic porosity, light brown stain.
- 3091-3096' Limestone; tan, finely crystalline, fair fossiliferous, poor visible porosity, light brown stain, show of free oil and questionable odor in fresh samples.
- 3112-3118' Limestone; cream, tan, oolitic, fair porosity, light brown stain, show of free oil and faint odor.
- 3120-3125' Limestone; as above, show of free oil and fair odor in fresh samples.

Drill Stem Test #3 3079-3125'

Times: 30-30-45-45

Blow: Strong

Recovery: 325' gas in pipe
50' muddy gassy watery oil
(10% gas, 50% oil, 15% water, 25% mud)
63' oil and gas cut muddy water
(5% gas, 20% oil, 25% water, 50% mud)
126' slightly oil and gas cut muddy water
(10% gas, 3% oil, 52% water, 35% mud)
126' muddy water

Pressures: ISIP 233 psi
FSIP 231 psi
IFP 52-126 psi
FFP 128-179 psi
HSH 1517-1458 psi

- 3144-3150' Limestone; cream, finely oolitic, fair porosity, good stain and saturation, good show of free oil and faint and fair odor in fresh samples.
- 3172-3177' Limestone; gray, white, finely crystalline, fossiliferous, slightly cherty, brown and golden brown stain, show of free oil and questionable odor in fresh samples.

Drill Stem Test #4 3129-3189'

Times: 30-30-45-60

Blow: Weak

Recovery: 58' mud, show of oil

Pressures: ISIP 202 psi
FSIP 199 psi
IFP 41-43 psi
FFP 43-47 psi
HSH 1554-1445 psi

ARBUCKLE SECTION

3218-3235' Dolomite; tan, sucrosic, scattered pinpoint porosity, good stain and saturation, show of free oil and odor in fresh samples.

Drill Stem Test #5 3218-3235'

Misrun – plugged tool

3235-3260' Dolomite; tan, white, fine crystalline, few medium crystalline, scattered intercrystalline porosity, dark brown stain, trace of free oil and faint to fair odor in fresh samples.

3260-3276' Dolomite; white/tan, sucrosic, fair pinpoint and intercrystalline porosity, dark brown stain, show of free oil and fair odor in fresh samples.

3276-3300' Dolomite; tan, gray, pink, finely crystalline, few medium crystalline, poor to fair porosity, brown and dark brown stain, trace of free oil.

3300-3320' Dolomite; gray, white, fine and medium crystalline, scattered porosity, black tarry stain, trace of free oil and faint odor.

3320-3332' Dolomite; as above, plus white and gray boney to opaque chert.


Rotary Total Depth 3335
Log Total Depth 3332

Recommendations:

5 1/2" production casing was set and cemented on the Euler Unit #17.

Respectfully submitted;

James C. Musgrove & Wyatt Urban
James C. Musgrove and
Wyatt Urban,
Petroleum Geologists



ALLIED OIL & GAS SERVICES, LLC 060588

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend

DATE <u>7-20-13</u>	SEC <u>35</u>	TWP. <u>11</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>10 pm</u>	JOB FINISH <u>11 pm</u>
LEASE <u>Euler</u>		WELL # <u>17</u>	LOCATION <u>Russel North to Meiland Rd</u>		COUNTY <u>Russell</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>lowest to 130rd 3 1/2 N, west into</u>				

CONTRACTOR Duke B OWNER _____

TYPE OF JOB Surface

HOLE SIZE 12 1/2 T.D. _____ CEMENT _____

CASING SIZE 8 7/8 DEPTH 245 AMOUNT ORDERED 275 sks 65/35 6% gel 4 flo

TUBING SIZE _____ DEPTH _____ 3% cc

DRILL PIPE 4 1/2 DEPTH _____ 200 sks class A 3% cc 2% gel

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____ COMMON 200 @ 17.90 3580.00

MEAS. LINE _____ SHOE JOINT _____ POZMIX _____ @ _____

CEMENT LEFT IN CSG. 15 FT GEL _____ @ 23.40 93.60

PERFS. _____ CHLORIDE 16 @ 64.00 1024.00

DISPLACEMENT 52.87 ASC _____ @ _____

EQUIPMENT hitcut 27508 @ 15.95 4386.25

floucal 69 @ 2.97 204.93

PUMP TRUCK CEMENTER Josh Isaac _____ @ _____

398 HELPER Mike Scathan _____ @ _____

BULK TRUCK _____ @ _____

344 DRIVER Karen Weighous _____ @ _____

BULK TRUCK _____ @ _____

610-112 DRIVER Marilyn Spungenberg _____ @ _____

HANDLING 531.76 @ 2.48 1318.26

MILEAGE 22.93 x 20 x 2.60 1192.20

TOTAL 11800.29

REMARKS:

On location rig up, had safety meeting
run 8 7/8 casing, break circulation with rig head
hook up cement pump
mix 275 sks 65/35 6% gel 3% cc 4 flo
mix 200 sks class A 3% cc 2% gel
dropping head displace 52.87 fastwater
cement did circulate
plug down
Rig down

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE 2058.50

EXTRA FOOTAGE _____ @ _____

MILEAGE Hum 20 @ 7.70 154.00

MANIFOLD _____ @ _____

Hum 20 @ 4.40 88.00

_____ @ _____

TOTAL 2300.50

PLUG & FLOAT EQUIPMENT

Rubber Plug @ 131.04 131.04

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 131.04

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 H. STEPHENS

SIGNATURE Steve H. Stephens

SALES TAX (If Any) _____

TOTAL CHARGES 14,231.83

DISCOUNT 3,557.95 IF PAID IN 30 DAYS

10,673.87



CHARGE TO: American Warrior, Inc.
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET
 No 24984

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Hays, KS WELL/PROJECT NO. #17 LEASE Eulert Unit COUNTY/PARISH Russell STATE Ks CITY DATE 7-28-13 OWNER
 2. Ness City, KS TICKET TYPE SERVICE CONTRACTOR Duke Drk RIG NAME/NO. #8 (Steve) SHIPPED VIA CT DELIVERED TO S/Paradise, Ks ORDER NO.
 3. WELL TYPE DII WELL CATEGORY Wildcat JOB PURPOSE Cement Longstring 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							
575		1			MILEAGE #113	40	mi			600	24000
578		1			Pump Charge - out Longstring	1	ea	3331	ft.	150000	150000
221		1			Liquid KCL	2	gal			2500	5000
281		1			Mudflush	500	gal			1.25	62500
290		1			D.-Air	2	gal			4200	8400
402		1			Centralizers	6	ea	5 1/2	in	7000	42000
403		1			Cement Basket	1	ea	5 1/2	in	28500	28500
406		1			Latch Down Plug + Baffle	1	ea	5 1/2	in	27500	27500
407		1			Insert Flat Shoe w/Auto Fill	1	ea	5 1/2	in	37500	37500
See Page 2 of 2											

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 Steve
 DATE SIGNED 7-28-13 TIME SIGNED 1315 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		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P1 PAGE TOTAL	38540
WE UNDERSTOOD AND MET YOUR NEEDS?				P2	510264
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	895664
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Russell TAX 18.15%	49992
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	9456156
<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 Don Lemmer APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 24984

CUSTOMER *American Warrior, Inc* WELL #17 Eulert Unit DATE 7-28-13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOG	ACCT	DF								
325		2				Standard Cement EA-2	175	SKS	16450	lbs	14.00	2450.00
276		2				F/cele	44	lbs			2.00	88.00
283		2				Salt	875	lbs			1.20	175.00
284		2				Cal Seal	823	lbs	9	SKS	35.00	315.00
286		2				Halad-1	124	lbs			8.00	992.00
581		2				SERVICE CHARGE Cement					2.00	350.00
583		2				MILEAGE CHARGE	18316	lbs	80		1.00	732.64

CONTINUATION TOTAL ~~5151.64~~

5102.64

JOB LOG

SWIFT Services, Inc.

DATE 7-28-13 PAGE NO. 1

CUSTOMER American Drilling, Inc. WELL NO #17 LEASE Eulert Unit JOB TYPE Cement Logging TICKET NO. 24984

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0815					14" / A	5 1/2"	On location - Fleet Equip.
	1315							D.P in Derrick - Rig waiting on Hand
	1530							Back on loc. Rig LD.D.C.
								Start 5 1/2 - 14" / A - used casing
								to 3334' - Insert float shoe / Auto - Full
								LD. Baffle - SJ = 2620 = 328 ± 81 BBL
								Cent 1-3-5-7-9-11 - collars as run in
								Cut Bstef #4 Ru - Drop ball cuts out
	1645							Fin csg - Try to cir down 12'
								won't wash down
								Rig cir Descd
								Fin cir -
	1800		7					Plug RH 30 SRS EA-2 cut
		5	12					400 Pump 30 gal Mud flush
		5	20					400 Pump 20 BBL Kill flush
		4 1/2						400 Start 145 SRS EA-2 down hole
		4	35					Use Fin cut.
								Wash out Pump Lines
								Drpp LD Plug -
		8						400 Start Disp1
		7	10					600 Caught cut (A) - slow rate
		6	70					550 slow rate
		5	80					700 slow rate
	1845		81					900 Plug Down - Hold & Release (A)
								Job Complete
								Washup & Rackup
								Get Catted out
								Don J. S. Russell



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Eulert Unit #17

35-11-15 Russell, KS

Start Date: 2013.07.24 @ 09:15:00

End Date: 2013.07.24 @ 15:43:15

Job Ticket #: 50814 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.29 @ 13:12:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50814

DST#: 1

ATTN: Jim Musgrove

Test Start: 2013.07.24 @ 09:15:00

Tool Information

Drill Pipe:	Length: 2883.00 ft	Diameter: 3.80 inches	Volume: 40.44 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 40.44 bbl</u>	Tool Chased 15.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2894.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2867.00	
Shut In Tool	5.00			2872.00	
Hydraulic tool	5.00			2877.00	
Jars	5.00			2882.00	
Safety Joint	2.00			2884.00	
Packer	5.00			2889.00	28.00 Bottom Of Top Packer
Packer	5.00			2894.00	
Stubb	1.00			2895.00	
Perforations	2.00			2897.00	
Change Over Sub	1.00			2898.00	
Recorder	0.00	8789	Inside	2898.00	
Recorder	0.00	8289	Outside	2898.00	
Drill Pipe	62.00			2960.00	
Change Over Sub	1.00			2961.00	
Bullnose	3.00			2964.00	70.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50814

DST#: 1

ATTN: Jim Musgrove

Test Start: 2013.07.24 @ 09:15:00

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: 42.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	OCM, 10%O 90%M	0.140
60.00	GOCM, 20%O 25%G 55%M	0.842
180.00	GWMCO, 5%W 15%M 35%O 45%G	2.525
0.00	1800 GIP	0.000

Total Length: 250.00 ft

Total Volume: 3.507 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

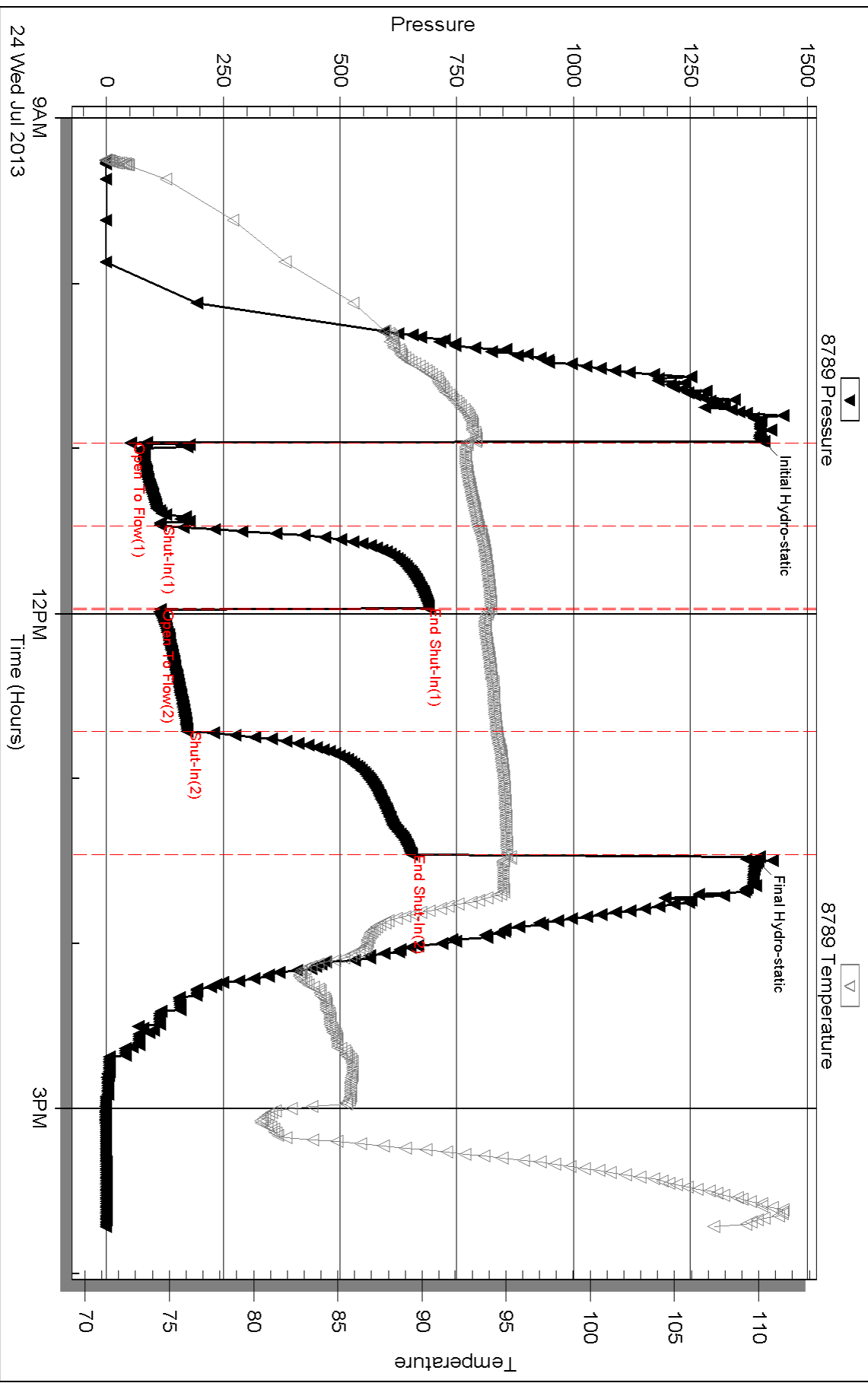
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

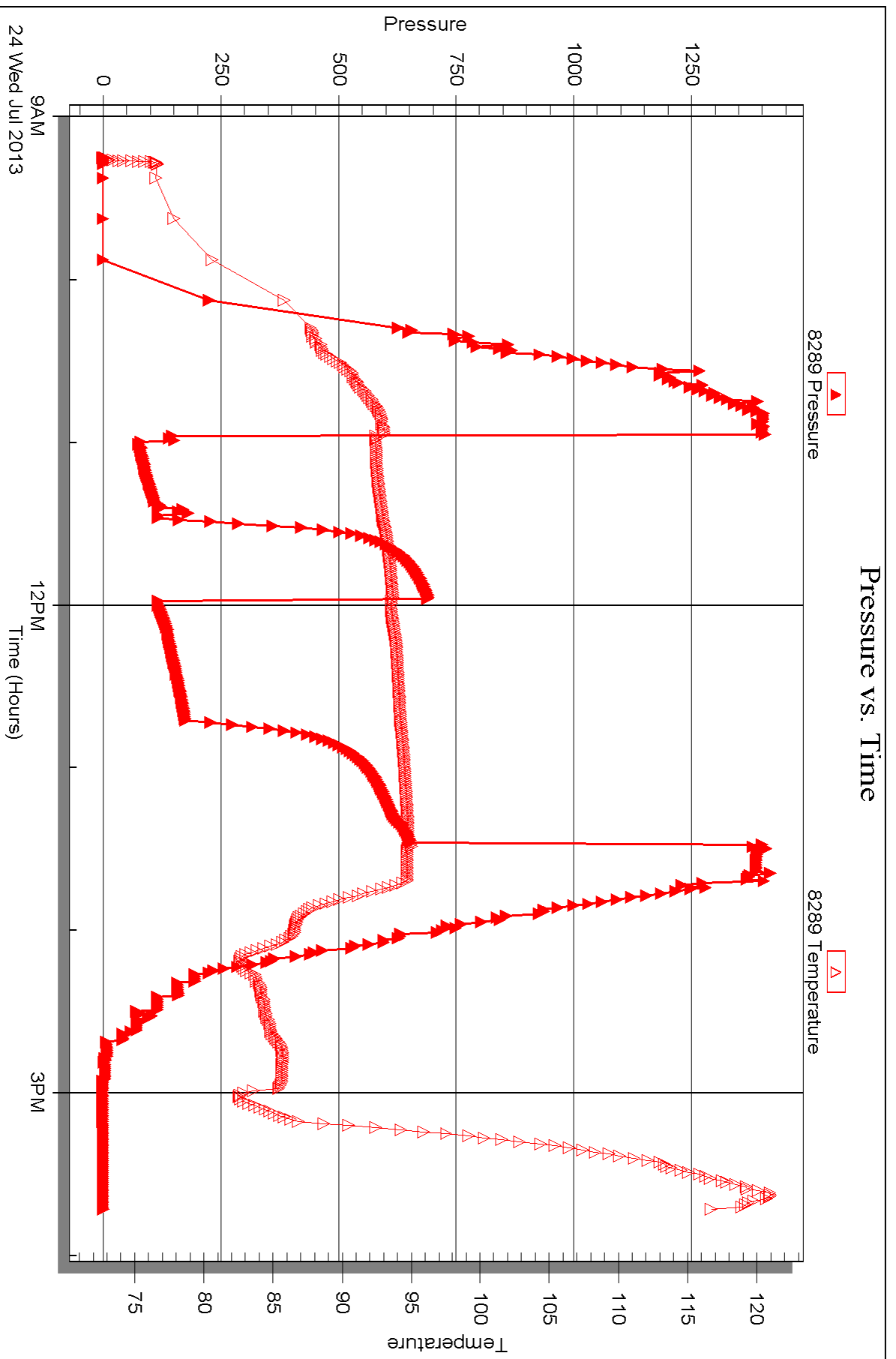


Serial #: 8289

Outside American Warrior, Inc.

Euler Unit #17

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Eulert Unit #17

35-11-15 Russell, KS

Start Date: 2013.07.24 @ 23:14:00

End Date: 2013.07.25 @ 06:12:15

Job Ticket #: 50815 DST #: 2

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

Printed: 2013.07.29 @ 13:07:36

American Warrior, Inc. 35-11-15 Russell, KS Eulert Unit #17 DST # 2 D-F 2013.07.24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Jim Musgrove

35-11-15 Russell, KS
Eulert Unit #17
Job Ticket: 50815 **DST#: 2**
Test Start: 2013.07.24 @ 23:14:00

GENERAL INFORMATION:

Formation: **D-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:52:15
Time Test Ended: 06:12:15
Interval: **2966.00 ft (KB) To 2997.00 ft (KB) (TVD)**
Total Depth: 2997.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 54
Reference Elevations: 1779.00 ft (KB)
1771.00 ft (CF)
KB to GR/CF: 8.00 ft

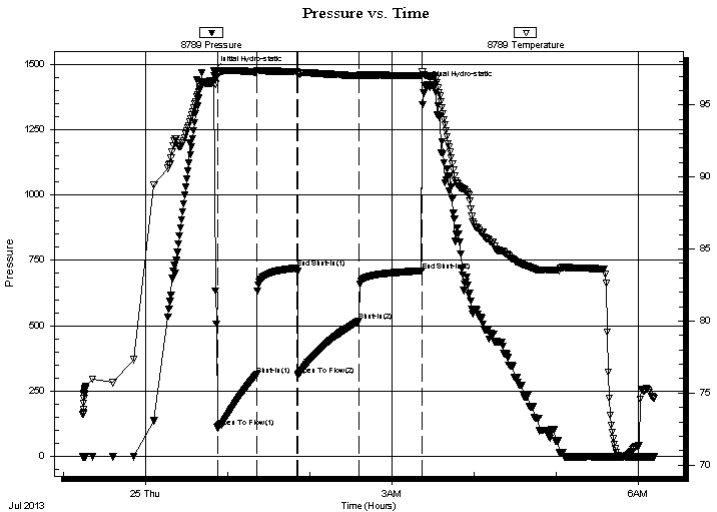
Serial #: 8789

Inside

Press @ Run Depth: 519.15 psig @ 2994.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.24 End Date: 2013.07.25 Last Calib.: 2013.07.25
Start Time: 23:14:02 End Time: 06:12:15 Time On Btm: 2013.07.25 @ 00:49:30
Time Off Btm: 2013.07.25 @ 03:23:45

TEST COMMENT: 30- IF- BOB 2 mins
30- IS- 1/4"
45- FF- BOB 3 mins
45- FS- 3"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1476.95	96.70	Initial Hydro-static
3	109.85	97.16	Open To Flow (1)
32	311.76	97.29	Shut-In(1)
61	720.65	97.32	End Shut-In(1)
62	310.89	97.18	Open To Flow (2)
107	519.15	97.03	Shut-In(2)
153	709.71	97.04	End Shut-In(2)
155	1417.75	97.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	O, 100%O	0.04
150.00	WM, 20%W 80%M	2.10
1050.00	MW, 10%M 90%W	14.73
0.00	200 GIP	0.00

* 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.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50815

DST#: 2

ATTN: Jim Musgrove

Test Start: 2013.07.24 @ 23:14:00

Tool Information

Drill Pipe:	Length: 2947.00 ft	Diameter: 3.80 inches	Volume: 41.34 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 41.34 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	2966.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			2939.00	
Shut In Tool	5.00			2944.00	
Hydraulic tool	5.00			2949.00	
Jars	5.00			2954.00	
Safety Joint	2.00			2956.00	
Packer	5.00			2961.00	28.00 Bottom Of Top Packer
Packer	5.00			2966.00	
Stubb	1.00			2967.00	
Perforations	27.00			2994.00	
Recorder	0.00	8789	Inside	2994.00	
Recorder	0.00	8289	Outside	2994.00	
Bullnose	3.00			2997.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50815

DST#: 2

ATTN: Jim Musgrove

Test Start: 2013.07.24 @ 23:14:00

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:

30000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	O, 100%O	0.042
150.00	WM, 20%W 80%M	2.104
1050.00	MW, 10%M 90%W	14.729
0.00	200 GIP	0.000

Total Length: 1203.00 ft

Total Volume: 16.875 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

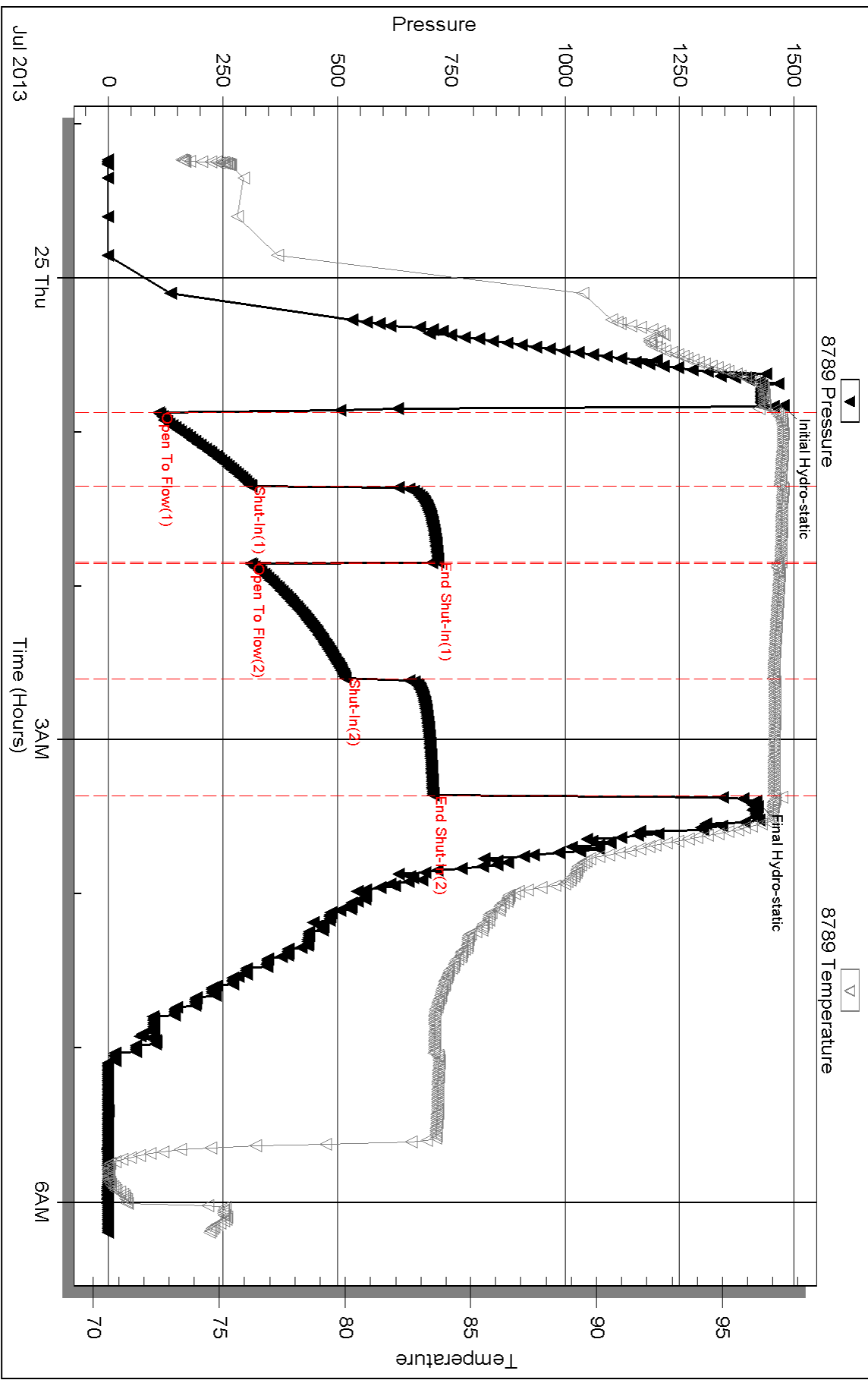
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

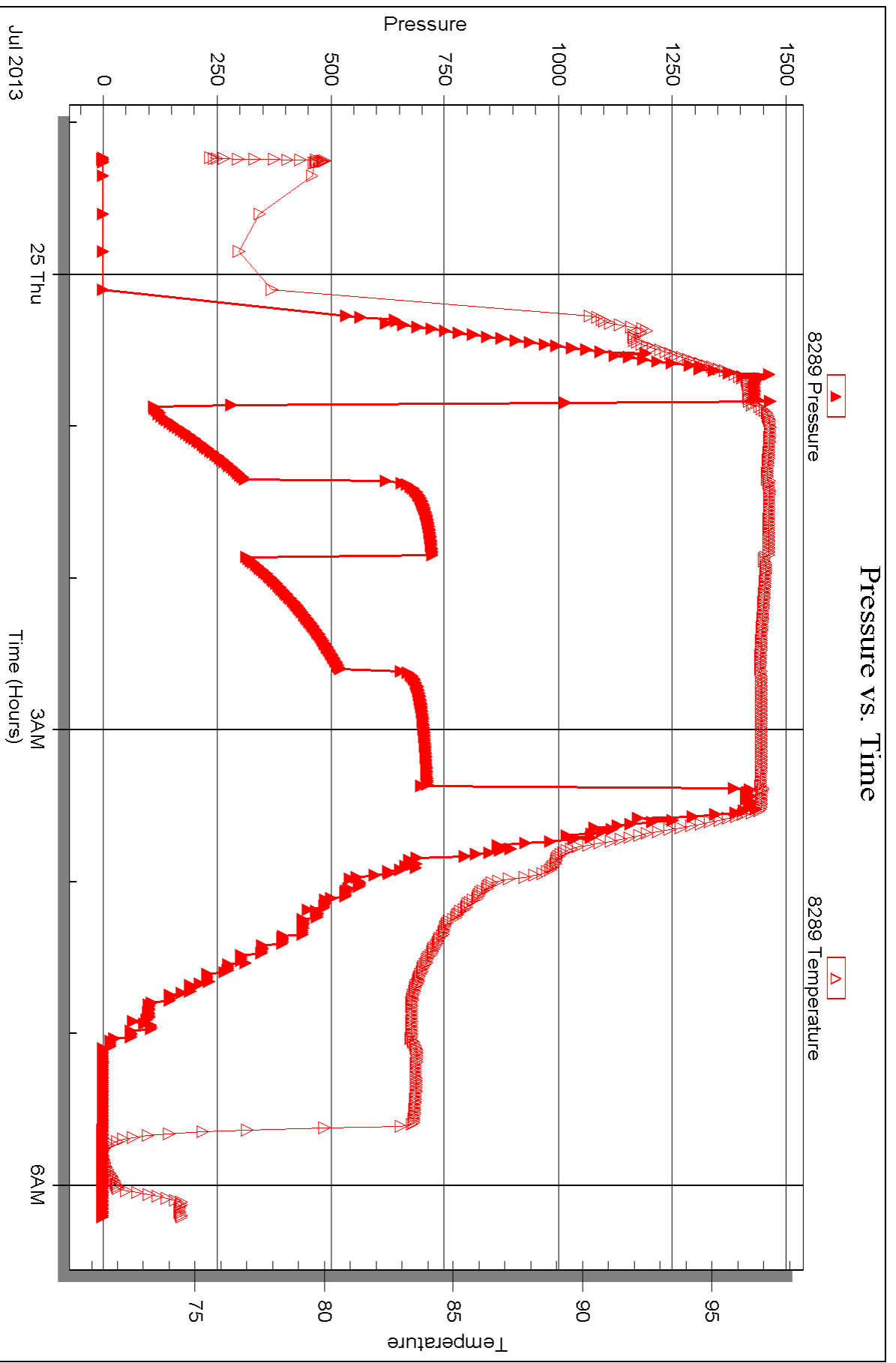


Serial #: 8289

Outside American Warrior, Inc.

Euler Unit #17

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Eulert Unit #17

35-11-15 Russell, KS

Start Date: 2013.07.25 @ 18:15:00

End Date: 2013.07.26 @ 01:20:00

Job Ticket #: 50444 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.29 @ 13:06:16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Jim Musgrove

35-11-15 Russell, KS
Eulert Unit #17
Job Ticket: 50444 **DST#: 3**
Test Start: 2013.07.25 @ 18:15:00

GENERAL INFORMATION:

Formation: **LKC " H - J "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 20:07:30 Tester: Jim Svaty
Time Test Ended: 01:20:00 Unit No: 54
Interval: 3079.00 ft (KB) To 3125.00 ft (KB) (TVD) Reference Elevations: 1779.00 ft (KB)
Total Depth: 3125.00 ft (KB) (TVD) 1771.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

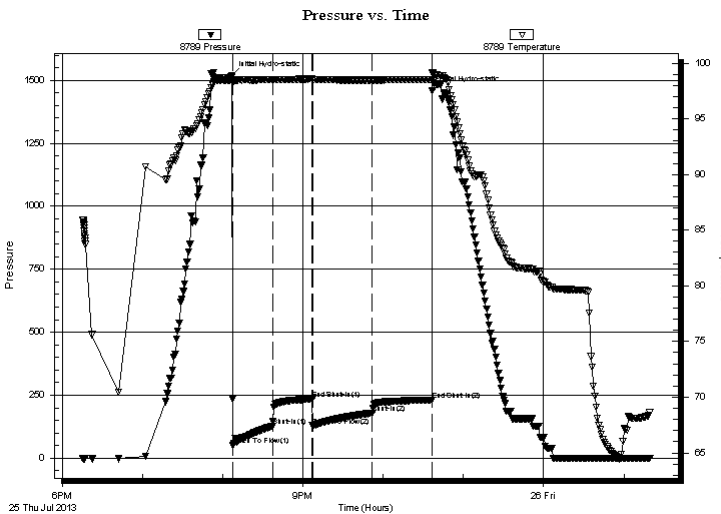
Serial #: 8789

Inside

Press @ Run Depth: 179.28 psig @ 3090.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.25 End Date: 2013.07.26 Last Calib.: 2013.07.26
Start Time: 18:15:02 End Time: 01:19:30 Time On Btm: 2013.07.25 @ 20:06:30
Time Off Btm: 2013.07.25 @ 22:36:45

TEST COMMENT: 30-IFP- BOB in 3 1/2 min.
30-ISIP- Surface Blow in 2 min.
45-FFP- BOB in 13 min.
45-FSIP- Surface Blow in 2 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1517.04	98.68	Initial Hydro-static
1	52.12	98.24	Open To Flow (1)
31	126.59	98.52	Shut-In(1)
61	233.19	98.62	End Shut-In(1)
61	128.90	98.55	Open To Flow (2)
106	179.28	98.47	Shut-In(2)
150	231.54	98.54	End Shut-In(2)
151	1458.81	99.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	GWMCO 10%g 15%w 25%m 50%o	0.70
63.00	GOWCM 5%g 20%o 25%w 50%m	0.88
126.00	GOMCW 3%o 10%g 35%m 52%w	1.77
126.00	MCW 5%m 95%w	1.77
0.00	325 GIP	0.00

* 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.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50444

DST#: 3

ATTN: Jim Musgrove

Test Start: 2013.07.25 @ 18:15:00

Tool Information

Drill Pipe:	Length: 3075.00 ft	Diameter: 3.80 inches	Volume: 43.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 43.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3079.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3052.00	
Shut In Tool	5.00			3057.00	
Hydraulic tool	5.00			3062.00	
Jars	5.00			3067.00	
Safety Joint	2.00			3069.00	
Packer	5.00			3074.00	28.00 Bottom Of Top Packer
Packer	5.00			3079.00	
Stubb	1.00			3080.00	
Perforations	9.00			3089.00	
Change Over Sub	1.00			3090.00	
Recorder	0.00	8789	Inside	3090.00	
Recorder	0.00	8289	Outside	3090.00	
Drill Pipe	31.00			3121.00	
Change Over Sub	1.00			3122.00	
Bullnose	3.00			3125.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50444

DST#: 3

ATTN: Jim Musgrove

Test Start: 2013.07.25 @ 18:15:00

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: 100000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	GWMCO 10%g 15%w 25%m 50%o	0.701
63.00	GOWCM 5%g 20%o 25%w 50%m	0.884
126.00	GOMCW 3%o 10%g 35%m 52%w	1.767
126.00	MCW 5%m 95%w	1.767
0.00	325 GIP	0.000

Total Length: 365.00 ft Total Volume: 5.119 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

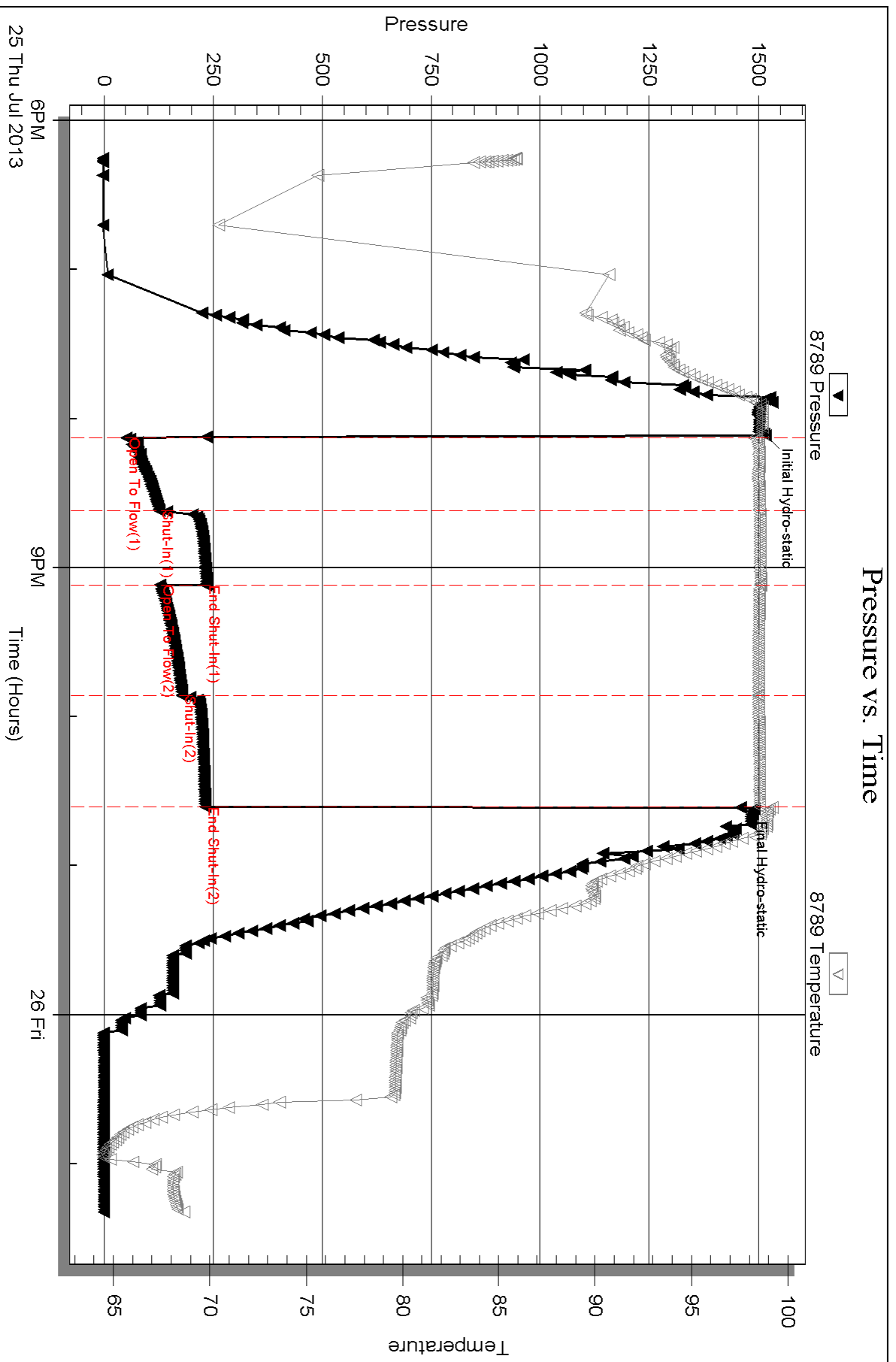
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .114 @ 67

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Eulert Unit #17

35-11-15 Russell, KS

Start Date: 2013.07.26 @ 15:45:00

End Date: 2013.07.26 @ 22:22:00

Job Ticket #: 50445 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.29 @ 13:05:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.
PO Box 399
Garden City, KS 67846
ATTN: Jim Musgrove

35-11-15 Russell, KS
Eulert Unit #17
Job Ticket: 50445 **DST#: 4**
Test Start: 2013.07.26 @ 15:45:00

GENERAL INFORMATION:

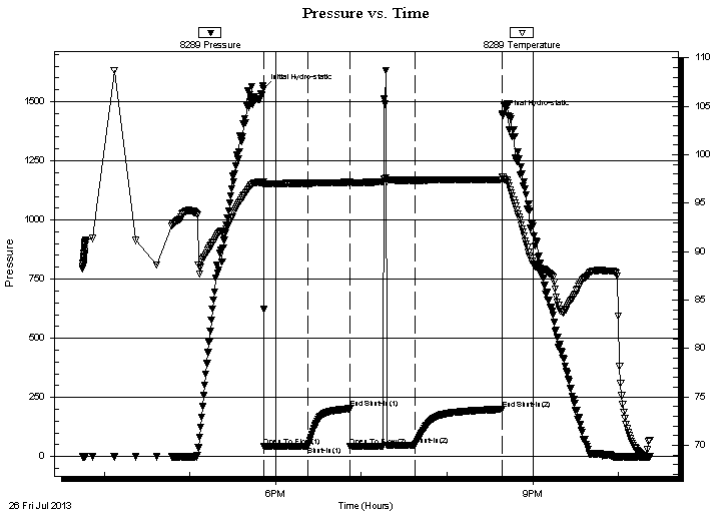
Formation: **LKC " K & L "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 17:52:00 Tester: Jim Svaty
Time Test Ended: 22:22:00 Unit No: 54
Interval: 3129.00 ft (KB) To 3189.00 ft (KB) (TVD) Reference Elevations: 1779.00 ft (KB)
Total Depth: 3189.00 ft (KB) (TVD) 1771.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 47.17 psig @ 3154.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.26 End Date: 2013.07.26 Last Calib.: 2013.07.26
Start Time: 15:45:02 End Time: 22:22:15 Time On Btm: 2013.07.26 @ 17:51:30
Time Off Btm: 2013.07.26 @ 20:38:45

TEST COMMENT: 30-IFP- Surface Blow Building to 3 1/2" in 5 min Died in 20 min.
30-ISIP- No Blow
45-FFP- No Blow Flushed at 25 min. No Blow
60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1554.55	97.21	Initial Hydro-static
1	41.82	96.87	Open To Flow (1)
31	43.02	97.05	Shut-In(1)
61	202.13	97.16	End Shut-In(1)
61	43.94	97.10	Open To Flow (2)
106	47.17	97.36	Shut-In(2)
167	199.71	97.45	End Shut-In(2)
168	1447.02	97.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
58.00	Mud 100%	0.81

* 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.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50445

DST#: 4

ATTN: Jim Musgrove

Test Start: 2013.07.26 @ 15:45:00

Tool Information

Drill Pipe:	Length: 3104.00 ft	Diameter: 3.80 inches	Volume: 43.54 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 43.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3129.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3102.00	
Shut In Tool	5.00			3107.00	
Hydraulic tool	5.00			3112.00	
Jars	5.00			3117.00	
Safety Joint	2.00			3119.00	
Packer	5.00			3124.00	28.00 Bottom Of Top Packer
Packer	5.00			3129.00	
Stubb	1.00			3130.00	
Perforations	23.00			3153.00	
Change Over Sub	1.00			3154.00	
Recorder	0.00	8789	Inside	3154.00	
Recorder	0.00	8289	Outside	3154.00	
Drill Pipe	31.00			3185.00	
Change Over Sub	1.00			3186.00	
Bullnose	3.00			3189.00	60.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50445

DST#: 4

ATTN: Jim Musgrove

Test Start: 2013.07.26 @ 15:45:00

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
58.00	Mud 100%	0.814

Total Length: 58.00 ft Total Volume: 0.814 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

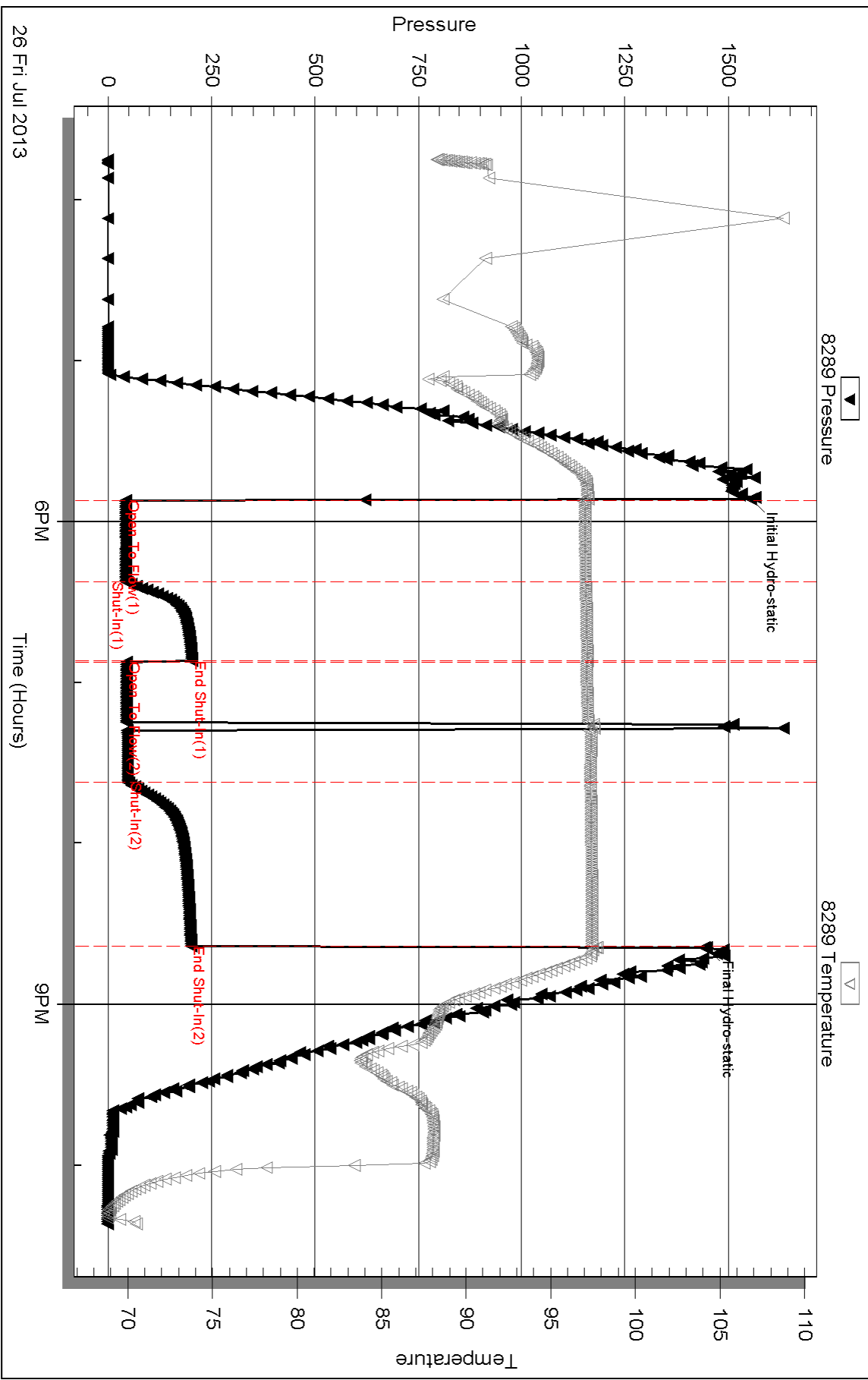
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



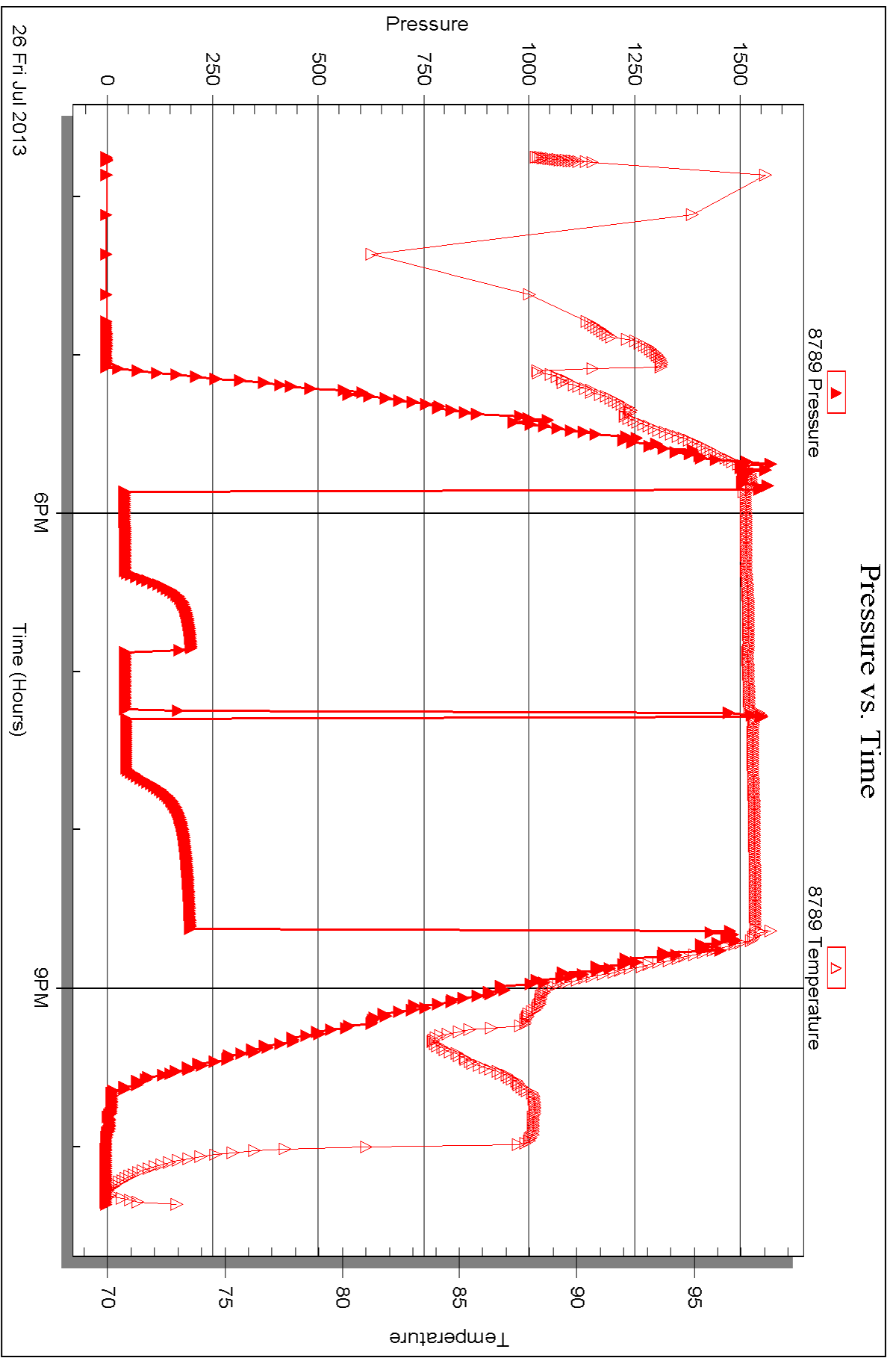
Serial #: 8789

Inside

American Warrior, Inc.

Euler Unit #17

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City, KS 67846

ATTN: Jim Musgrove

Eulert Unit #17

35-11-15 Russell, KS

Start Date: 2013.07.27 @ 08:51:00

End Date: 2013.07.27 @ 13:58:00

Job Ticket #: 50446 DST #: 5

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

Printed: 2013.07.29 @ 13:04:50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50446

DST#: 5

ATTN: Jim Musgrove

Test Start: 2013.07.27 @ 08:51:00

Tool Information

Drill Pipe:	Length: 3197.00 ft	Diameter: 3.80 inches	Volume: 44.85 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 44.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3218.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3191.00	
Shut In Tool	5.00			3196.00	
Hydraulic tool	5.00			3201.00	
Jars	5.00			3206.00	
Safety Joint	2.00			3208.00	
Packer	5.00			3213.00	28.00 Bottom Of Top Packer
Packer	5.00			3218.00	
Stubb	1.00			3219.00	
Perforations	13.00			3232.00	
Recorder	0.00	8789	Inside	3232.00	
Recorder	0.00	8289	Outside	3232.00	
Bullnose	3.00			3235.00	17.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

35-11-15 Russell, KS

PO Box 399
Garden City, KS 67846

Eulert Unit #17

Job Ticket: 50446

DST#: 5

ATTN: Jim Musgrove

Test Start: 2013.07.27 @ 08:51:00

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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
7.00	OCM 3%o 97%m	0.098
70.00	Mud 100%	0.982

Total Length: 77.00 ft Total Volume: 1.080 bbl

Num Fluid Samples: 0

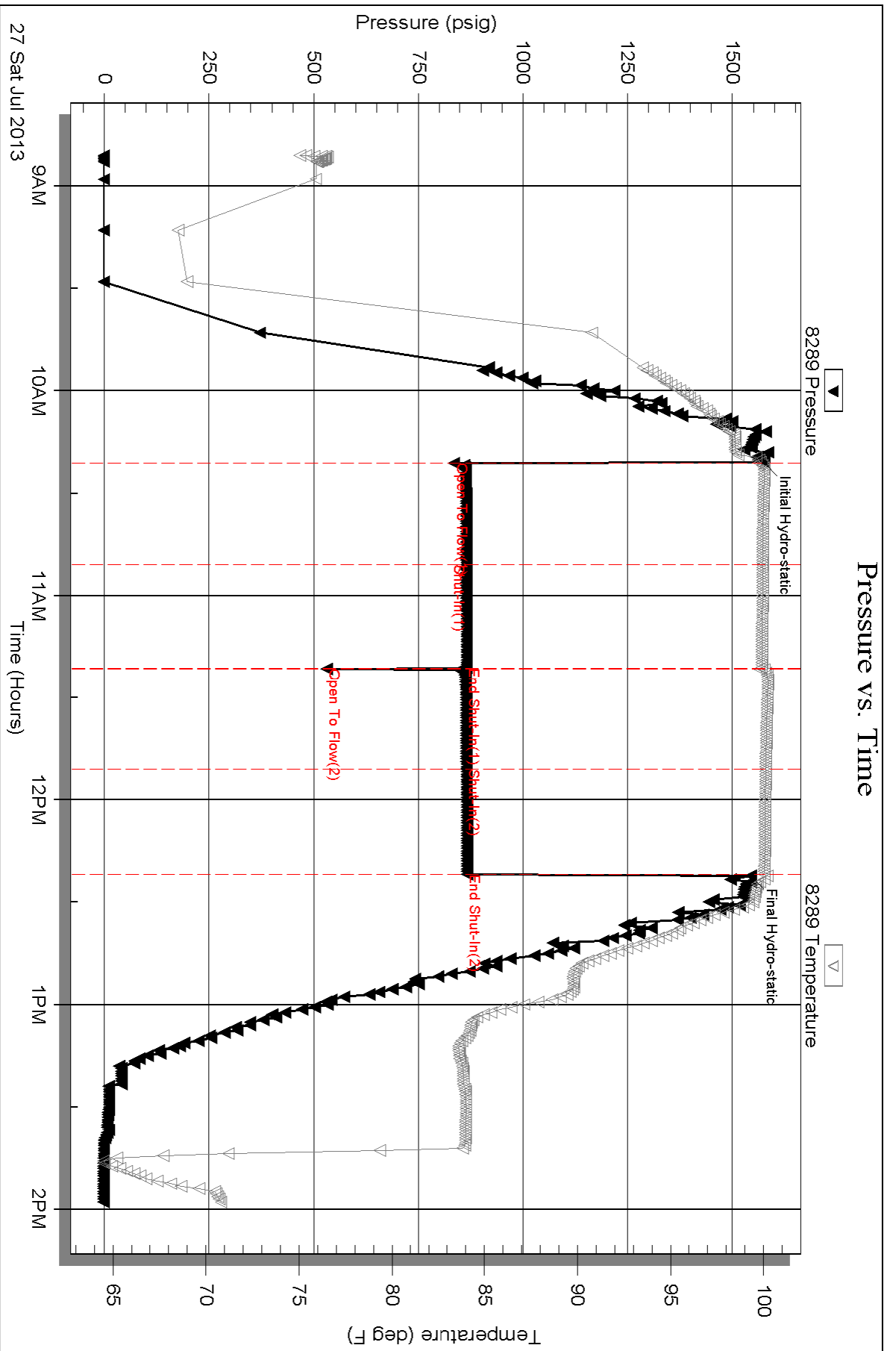
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



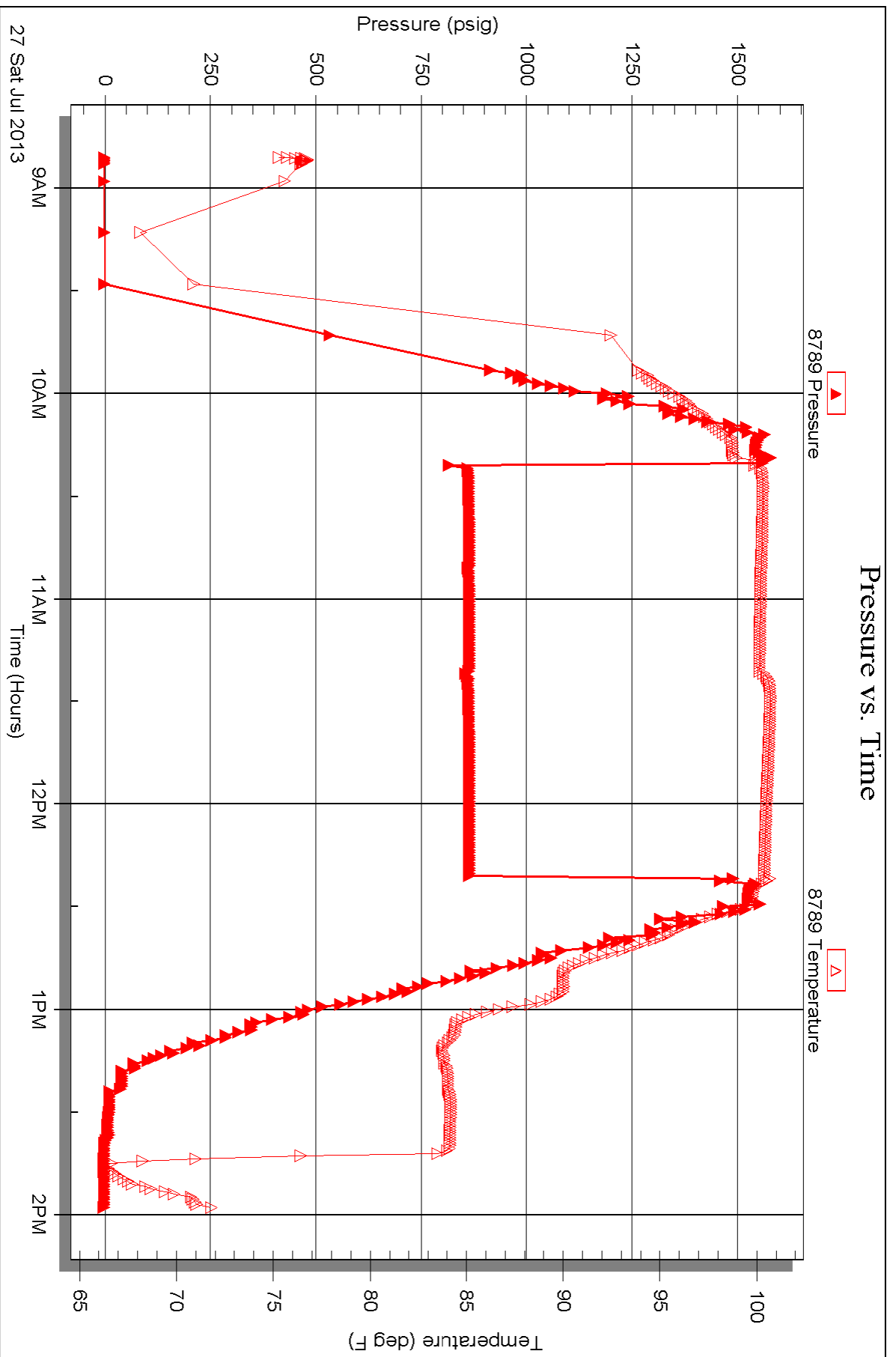
Serial #: 8789

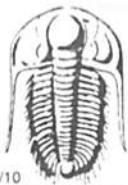
Inside

American Warrior, Inc.

Euler Unit #17

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50814

Well Name & No. Euler Unit 17 Test No. 1 Date 7/23/13
 Company American Warrior, Inc. Elevation 1779 KB 1771 GL
 Address ~~Euler Unit 17~~ PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke 8
 Location: Sec. 35 Twp. 11 Rge. 15 Co. Russell State KS

Interval Tested 2894-2964 Zone Tested Lansing A-C
 Anchor Length 70' Drill Pipe Run 2883 Mud Wt. 8.8
 Top Packer Depth 2889 Drill Collars Run — Vis 42
 Bottom Packer Depth 2894 Wt. Pipe Run — WL 8.4
 Total Depth 2964 Chlorides 4800 ppm System LCM Tr.

Blow Description IF-BOB 1min
ISI-1 1/2"
FF-BOB 3mins
FSI-4"

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>OCM</u>	<u>10</u>	<u>10</u>	<u>90</u>	<u>—</u>
<u>60'</u>	<u>GOCM</u>	<u>25</u>	<u>20</u>	<u>55</u>	<u>—</u>
<u>180'</u>	<u>GWMCO</u>	<u>45</u>	<u>35</u>	<u>5</u>	<u>15</u>
<u>—</u>	<u>1800' GIP</u>	<u>100</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

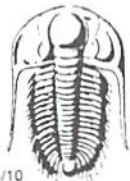
Rec Total 250' BHT 95° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1408 Test 1150 T-On Location 2250 0645
 (B) First Initial Flow 52 Jars 250 T-Started 0915
 (C) First Final Flow 116 Safety Joint 75 T-Open 1056
 (D) Initial Shut-In 686 Circ Sub T-Pulled 1326
 (E) Second Initial Flow 115 Hourly Standby T-Out 1545
 (F) Second Final Flow 172 Mileage 100 RT x 2 ³¹⁰ Comments Rig broke down
 (G) Final Shut-In 652 Sampler — sent home +
 (H) Final Hydrostatic 1394 Straddle — called back
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45
 Sub Total 1785
 Total 1785
 MP/DST Disc't —

Approved By — Our Representative Brannon L

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. 50815

Well Name & No. Ewert Unit 17 Test No. 2 Date 7/24/13
 Company American Warrior, Inc. Elevation 1779 KB 1771 GL
 Address PO Box 399 Garden City, KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke 8
 Location: Sec. 35 Twp. 11 Rge. 15 Co. Russell State KS

Interval Tested 2966-2997 Zone Tested D-F
 Anchor Length 31' Drill Pipe Run 2947 Mud Wt. 9.1
 Top Packer Depth 2961 Drill Collars Run — Vis 52
 Bottom Packer Depth 2966 Wt. Pipe Run — WL 76
 Total Depth 2997 Chlorides 5000 ppm System LCM Tr

Blow Description IF-BOB 2mins
ISI-1/4"
FF-BOB 3mins
FSI-3"

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>0</u>		<u>100</u>		
<u>150'</u>	<u>WM</u>			<u>20</u>	<u>80</u>
<u>1050</u>	<u>MW</u>			<u>90</u>	<u>10</u>
	<u>200' GIP</u>	<u>100</u>			

Rec Total 1203' BHT 970 Gravity _____ API RW .21 @ 73 °F Chlorides 30,000 ppm

(A) Initial Hydrostatic <u>1477</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2220</u>
(B) First Initial Flow <u>110</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2313</u>
(C) First Final Flow <u>312</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0050</u>
(D) Initial Shut-In <u>721</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0320</u>
(E) Second Initial Flow <u>311</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0614</u>
(F) Second Final Flow <u>519</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT</u> <u>155</u>	Comments _____
(G) Final Shut-In <u>710</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1418</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

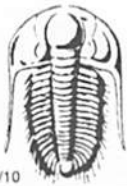
Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1630
 Total 1630
 MP/DST Disc't _____

Approved By _____ Our Representative Brannan L

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. 50444

4/10

Well Name & No. Eulert Unit 17 Test No. 3 Date 7-25-13
 Company American Warrior, Inc. Elevation 1779 KB 1771 GL
 Address P.O. Box 399 Garden City KS 67846
 Co. Rep / Geo. Wyatt Urban Rig Duke 8
 Location: Sec. 35 Twp. 11S Rge. 15W Co. Russell State KS

Interval Tested 3079-3125 Zone Tested LKC "H-J"
 Anchor Length 46 Drill Pipe Run 3075 Mud Wt. 9.1
 Top Packer Depth 3074 Drill Collars Run 0 Vis 47
 Bottom Packer Depth 3079 Wt. Pipe Run 0 WL 8.4
 Total Depth 3125 Chlorides 5600 ppm System LCM TR

Blow Description I FP - BOB 3 1/2 min
ISIP - Surface Blow in 2 min
FFP - BOB in 13 min
FSIP - Surface Blow in 2 min

Rec	Feet of	%gas	%oil	%water	%mud
50	20 MCO	10	50	15	25
63	20 WCM	5	20	25	50
126	20 MCW	10	3	52	35
126	MCW			95	5
Rec	Feet of <u>325 DIP</u>	%gas	%oil	%water	%mud

Rec Total 365 BHT 99 Gravity _____ API RW .114 @ 67 °F Chlorides 100,000 ppm

(A) Initial Hydrostatic <u>1517</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>18:12</u>
(B) First Initial Flow <u>52</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>18:15</u>
(C) First Final Flow <u>126</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>20:08</u>
(D) Initial Shut-In <u>233</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>22:37</u>
(E) Second Initial Flow <u>128</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>01:20</u>
(F) Second Final Flow <u>179</u>	<input checked="" type="checkbox"/> Mileage 155	Comments _____
(G) Final Shut-In <u>231</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1458</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 0
 Total 1630
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50445

4/10

Well Name & No. Euler Unit 17 Test No. 4 Date 7-26-13
 Company American Warrior, Inc. Elevation 1779 KB 1771 GL
 Address P.O. Box 399 Garden City KS. 67846
 Co. Rep / Geo. Jimm Masgrove Rig Duke 8
 Location: Sec. 35 Twp. 11^s Rge. 15^w Co. Russell State KS

Interval Tested 3129-3189 Zone Tested LKC "K&L"
 Anchor Length 60 Drill Pipe Run 3104 Mud Wt. 9.0
 Top Packer Depth 3124 Drill Collars Run 0 Vis 45
 Bottom Packer Depth 3129 Wt. Pipe Run 0 WL 8.4
 Total Depth 3189 Chlorides 7200 ppm System LCM TR

Blow Description IFF - Surface Blow Building to 3 1/2 in. in 5 min. Died in 20 min.
ISIP - No Blow
FFP - No Blow Flushed at 25 min No Blow
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>58</u>	<u>MUD</u>			<u>100</u>	
	<u>Show of Oil in Tool</u>				

Rec Total 58 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1554</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>14:20</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:45</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>17:52</u>
(D) Initial Shut-In <u>202</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:37</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>22:22</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>155</u>	Comments _____
(G) Final Shut-In <u>199</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1447</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60

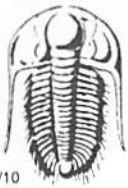
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1630

MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50446

4/10

Well Name & No. Euler Unit 17 Test No. 5 Date 7-27-13
 Company American Warrior Inc. Elevation 1779 KB 1771 GL
 Address P.O. Box 399 Garden City KS. 67846
 Co. Rep / Geo. Jim Musgrove Rig Duke 8
 Location: Sec. 35 Twp. 91^s Rge. 15 W Co. Russell State KS

Interval Tested 3218-3235 Zone Tested Arbuckle
 Anchor Length 17 Drill Pipe Run 3197 Mud Wt. 9.4
 Top Packer Depth 3213 Drill Collars Run 0 Vis 61
 Bottom Packer Depth 3218 Wt. Pipe Run 0 WL 7.8
 Total Depth 3235 Chlorides 7700 ppm System LCM 1

Blow Description IFP - Packer Failed - Reset OK Surface Blow Died in 22 min.
ISIP - No Blow
FFP - Surface Blow Died in 15 min.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>7</u>	<u>OCM</u>	<u>3</u>		<u>97</u>	
<u>70</u>	<u>mud</u>			<u>100</u>	

Rec Total 77 BHT 100 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1575</u>	<input checked="" type="checkbox"/> Test 950	T-On Location <u>08:50</u>
(B) First Initial Flow <u>835</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>08:51</u>
(C) First Final Flow <u>866</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>10:21</u>
(D) Initial Shut-In <u>864</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>12:21</u>
(E) Second Initial Flow <u>530</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>13:58</u>
(F) Second Final Flow <u>865</u>	<input checked="" type="checkbox"/> Mileage 155	Comments _____
(G) Final Shut-In <u>866</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1540</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1430

Total 1430
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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