



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: _____



1132560

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Uehling Unit 1-18
Doc ID	1132560

All Electric Logs Run

Micro
Porosity
Induction
Sonic

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Uehling Unit 1-18
Doc ID	1132560

Tops

Name	Top	Datum
Heebner	3847'	-1350
Lansing	3893'	-1396
Stark	4156'	-1659
B/KC	4247'	-1750
Marmaton	4256'	-1759
Pawnee	4335'	-1838
Ft Scott	4407'	-1910
Cherokee	4479'	-1982
Mississippian	4499'	-2002

Geological Report

American Warrior, Inc.

Uehling Unit #1-18

1794' FNL & 2433' FEL

Sec. 18, T20s, R25w

Ness County, Kansas



American Warrior, Inc.

General Data

Well Data: American Warrior, Inc.
Uehling Unit #1-18
1794' FNL & 2433' FEL
Sec. 18, T20s, R25w
Ness County, Kansas
API # 15-135-25539-0000

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: February 19, 2013

Completion Date: March 2, 1013

Elevation 2486' G.L.
2497' K.B.

Directions: From Jetmore, KS at the intersection of Hwy 96 and Hwy 283. Go North on Hwy 238 15 miles to 60 Rd. Go West on 60 12 miles to G Rd. Go South 2 miles on G Rd. to 40 Rd. West ½ mile and South into.

Casing: #28 8 5/8" surface casing @ 212 with 150 sacks Class A, 3% c.c, 2% gel. #15.5 5 ½" production casing @ 4581 with 125 sacks EA-2. Port collar @ 1694.

Samples: 3800' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer-Full Sweep "D. Martin"

Drillstem Tests: Two, Trilobite Testing, Inc. "Andy Carreira"

Problems: Weather delays due to blizzard

Formation Tops

Formation	
	American Warrior, Inc.
	Uehling Unit #1-18
	Sec. 18, T20s, R25w
	1794' FNL & 2433' FEL
Heebner	3847' -1350
Lansing	3893' -1396
Stark	4156' -1659
BKC	4247' -1750
Marmaton	4256' -1759
Pawnee	4335' -1838
Fort Scott	4407' -1910
Cherokee	4479' -1982
Mississippian	4499' -2002
RTD	4600' -2103
LTD	4600' -2103

Sample Zone Descriptions

Mississippian Warsaw (4499' -2002)

Covered in DST #1,2

Dolomite tan/grey. Sub crystalline. Good vuggy and fair intercrystalline porosity. Good stain. Good saturation. Good show of free oil. Good odor.

Drill Stem Tests

Trilobite Testing Inc.

“Andy Carreira”

DST #1

Mississippian Warsaw

Interval (4494' – 4520') Anchor Length 26'

Misrun – Packer Failure

DST #2

Mississippian Warsaw

Interval (4452' – 4520') Anchor Length 68'

IHP - 2222 #

IFP - 30" – BOB in 4 min

54-278 #

ISI - 45" – Built to 2"

1296 #

FFP - 30" – BOB in 5 min

289-375 #

FSIP - 45" – Built to 1 ½"

1282 #

FHP - 2214 #

BHT - Not Recorded

Recovery: 65' GIP

500' GO (20% G, 80% O)

320' MCGO (10% G, 60% O, 30% M)

60' MCGO (10% G, 50% O, 40% M)

Structural Comparison

Formation	American Warrior, Inc. Uehling Unit #1-18 Sec. 18, T20s, R25w 1794' FNL & 2433' FEL		Mack Oil Co. Slagel #1 Sec. 18, T20s, R25w C SE SE		Murfin Drilling Co. Gibson #1 Sec 17, T20s, R25w C SW SW	
	Start	End	Start	End	Start	End
Heebner	3847'	-1350	-1	3810' -1349	+7	3817' -1357
Lansing	3893'	-1396	-3	3854' -1393	+3	3859' -1399
Stark	4156'	-1659	NA	NA	+11	4130' -1670
BKC	4247'	-1750	NA	NA	+12	4222' -1762
Marmaton	4256'	-1759	NA	NA	NA	NA
Pawnee	4335'	-1838	NA	NA	NA	NA
Fort Scott	4407'	-1910	+12	4383' -1922	+18	4388' -1928
Cherokee	4479'	-1982	NA	NA	NA	NA
Miss.	4499'	-2002	+29	4492' -2031	+13	4475' -2015

ALLIED OIL & GAS SERVICES, LLC 059292 ✓

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend, KS

DATE <u>2-19-13</u>	SEC <u>18</u>	TWP. <u>20S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION <u>7:36 PM</u>	JOB START <u>9:24 AM</u>	JOB FINISH <u>9:45 PM</u>
LEASE <u>Uehling</u>	WELL # <u>1-18</u>	LOCATION <u>Lat. & W to Ord. 7m S to 60rd. 3W to Grid</u>			COUNTY <u>Neosho</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		<u>(87m)</u>			<u>1.01</u>		<u>6.3</u>

CONTRACTOR Duke 5
 TYPE OF JOB Surface Casing
 HOLE SIZE 12 1/4" T.D. 215 ft
 CASING SIZE 8 7/8" 28# DEPTH 199.95 ft
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 20 ft
 CEMENT LEFT IN CSG. 20 ft, 1,248 bbl, 5.2 sy
 PERFS.
 DISPLACEMENT 12 bbls Fresh Water

OWNER American Warrior, Inc.
 CEMENT AMOUNT ORDERED 150 sy "A" + 3% Cccl
+ 2% Gcl

EQUIPMENT
 PUMP TRUCK CEMENTER Charles Elkins 1
 # 398 HELPER Josh Isaac 2
 BULK TRUCK
 # 341 DRIVER Dan Casper 2
 BULK TRUCK
 # DRIVER

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2685.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>22.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@	<u>64.00</u>	<u>320.00</u>
ASC		@		
HANDLING	<u>162.09</u>	@	<u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4 x 21</u>	@	<u>2.60</u>	<u>409.04</u>

REMARKS:
Pump 5 bbls Fresh Water
Pump 36 bbls Cement (150 sy)
Displace with 12 bbls Fresh Water
Leave 20 ft, 1,248 bbl, 5.2 sy cmt in casing
circulate 12 bbls, 50 sy Cement to surface.

~~156.40~~ SERVICE

DEPTH OF JOB	<u>199.95</u>		
PUMP TRUCK CHARGE			<u>1517.25</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>4VM 21</u>	@	<u>7.70</u> <u>161.70</u>
MANIFOLD		@	
	<u>LVM 21</u>	@	<u>4.40</u> <u>92.40</u>

CHARGE TO: American Warrior, Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 1766.35

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.

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

PRINTED NAME KENNETH McGUIRE
 SIGNATURE Kenneth McGui

TOTAL	_____
SALES TAX (If Any)	<u>193.73</u>
TOTAL CHARGES	<u>5647.57</u>
DISCOUNT	<u>1411.89</u> IF PAID IN 30 DAYS
	<u>4235.68</u>



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

TICKET
 N° 23936

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Haysks</u>	<u>1-18</u>	<u>Uehling Unit</u>	<u>Ness</u>	<u>KS</u>		<u>3-2-13</u>	
2. <u>NESS City</u>	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
	<input checked="" type="checkbox"/> SERVICE SALES	<u>Duke</u>	<u>5</u>	<u>CT</u>	<u>Location</u>		
3.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
4.	<u>Oil</u>	<u>Develop</u>	<u>5 1/2 long string</u>		<u>Sec 18 Twp 20 S R 25 W</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 112	30	mi			6.00	180.00
578		1			Pump Charge Long String	1	ea			1500.00	1500.00
221		1			Loguid KLL	2	gal			25.00	50.00
281		1			Mud Flush	500	gal			1.25	625.00
290		1			D-Air	2	gal			35.00	70.00
402		1			Centralizers	9	ea	5 1/2"		70.00	630.00
403		1			Cement Baskets	2	ea			250.00	500.00
404		1			Port Collar 1694'	1	ea			2400.00	2400.00
406		1			Latch Down Plug + Baffle	1	ea			250.00	250.00
407		1			Insert float shoe w/ Auto Fill	1	ea			350.00	350.00
419		1			Rotating Head Rental	1	ea			200.00	200.00

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

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

X Renee McNamee
 DATE SIGNED 3-2-13 TIME SIGNED 0930 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	P1	6755.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	
WE UNDERSTOOD AND MET YOUR NEEDS?				P2	4516.12
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	11,271.12
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Ness TAX 6.3%	564.87
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	11,835.99
<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 Josh Brownell APPROVAL _____

Thank You!



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

TICKET CONTINUATION

TICKET No. 23936

CUSTOMER AWI WELL UPHling Unit 1-18 DATE 3-2-13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE		AMOUNT	
		LOC	ACCT	DF										
325		2				Standard Cement	EAZ	175	SKS			13.50	2362.50	
276		2				fiocele		50	lbc			2.00	100.00	
283		2				Salt		900	lbs			1.20	180.00	
284		2				Cal Seal		800	SKS			35.00	280.00	
292		2				Halad 322		125	lbs			7.75	968.75	
581						SERVICE CHARGE						2.00	3.50	.00
583						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	30	TON MILES		1.00	274.87	
							18325							
												CONTINUATION TOTAL		4516.12

JOB LOG

SWIFT Services, Inc.

DATE 3-2-13 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
AWE		1-18		Uehling Unit		5 1/2 Long string		23930	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	0930								on location
									TD 4600 55 21
									TP 4581 Insert 4560
									PC 1694 pop 69 5 1/2 15.5"
									Centralizers 1,3,5,7,9,11,13,15 68
									Baskets 6,68
	0955								Start Pipe
	1150								Drop Ball Break circulation Rotate
	1230		7/5						Plug BH 30 SKS, MW 20 SKS
	1245	5	12		✓		300		Start Mud Flush
		5	20		✓		300		Start KLL Flush
	1250	5	30		✓		200		Start Cement 125 SKS EA-2
	1305								Drop Plug
									wash out Pump + Lines
	1306	7			✓		3000		Displace
	1328		108.5		✓		1500		land Plug
	1330								Release Day
									Back up wash up
									Job Complete
									Thank You
									Josh, Brian, Rob



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

TICKET
 No 23825

PAGE 1 OF 1

SERVICE LOCATIONS 1. Ness City KS WELL/PROJECT NO. 1-18 LEASE Vehling unit COUNTY/PARISH Ness STATE KS CITY Beeler DATE 12 MAR 13 OWNER
 2. TICKET TYPE SERVICE CONTRACTOR CO TOOLS RIG NAME/NO. SHIPPED VCT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE perf squeeze & port collar WELL PERMIT NO. WELL LOCATION 7-5 48 2-S west hole
 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 TRK 114	30	mi			6.00	180.00
578		1			Pump Charge	1	ea			1500.00	1500.00
300		1			Reg ACID	15%		200	gal	1.75	350.00
235		1			inhib-1			1/2	gal	35.00	17.50
325		1			standard cement	25	sk			1350	1012.50
330		1			SMD cement	120	sk			1650	1980.00
290		1			D-AIR	2	gal			35.00	70.00
104		1			PORT Collar Tool Rental	1	ea			250.00	250.00
583		1			Drayage	26952	lb	404.28	TM	1.00	404.28
581		1			Service Charge	275	sk			2.00	550.00
276		1			Fluore	50	lb			2.00	100.00

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

X
 DATE SIGNED TIME SIGNED A.M. P.M.
1500

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				6514.28
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				7.55 TAX 6.3%
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				214.99
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL 6629.27

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

SWIFT OPERATOR R. G. Hill APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 3-2-13 PAGE NO. 2

CUSTOMER American Warrior WELL NO. 1-18 LEASE Uehling Unit JOB TYPE Cement 5 1/2" Port Collar TICKET NO. 23825

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								P.C. - 1689 2 3/8 x 5 1/2"
								200 sks SMD w/ 1/4" # Floccle
	1335	∅	5	✓		1000	1000	PSI test - Hold -
								open Port Collar
	1345	3	5	✓			400	Inj Rate
	1350	3 1/2	66	✓			400	mix 120 sks SMD @ 11.2 ppg
		3 1/2	7	✓			400	Fluid to surface
		3 1/2	60	✓			450	Cement to surface
	1405	3 1/2	6.5	✓			500	Disp
	1415	∅	∅		✓		1000	Close Port Collar - Hold -
	1420							Pull 5 jts
	1427	3 1/2	20	✓			400	Reverse Cement out - clean -
								120 sks total 15 sks to pit
								wash up truck
	1500							Job Complete
								Thank You Dane Blaine TS Isaac



DRILL STEM TEST REPORT

Prepared For: **American Warrior inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Uehling unit #1-18

18-20s-25w Ness,KS

Start Date: 2013.02.28 @ 10:24:05

End Date: 2013.02.28 @ 15:44:20

Job Ticket #: 51485 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.07 @ 11:33:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior inc.
PO Box 399
Garden City, KS 67846
ATTN: Kevin Timson

18-20s-25w Ness, KS
Uehling unit #1-18
Job Ticket: 51485 **DST#: 1**
Test Start: 2013.02.28 @ 10:24:05

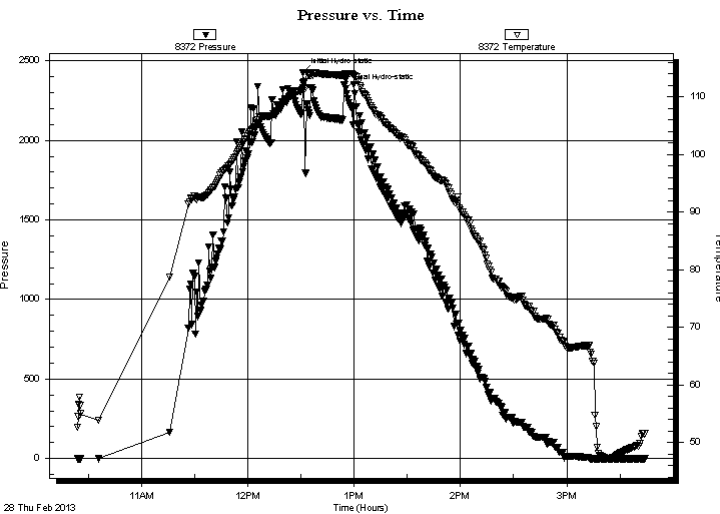
GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 15:44:20
Interval: **4494.00 ft (KB) To 4520.00 ft (KB) (TVD)**
Total Depth: 4520.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Andy Carreira
Unit No: 68
Reference Elevations: 2497.00 ft (KB)
2486.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 8372 Outside

Press @ Run Depth: psig @ 4495.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.02.28 End Date: 2013.02.28 Last Calib.: 2013.02.28
Start Time: 10:24:05 End Time: 15:44:20 Time On Btm: 2013.02.28 @ 12:31:20
Time Off Btm: 2013.02.28 @ 12:55:20

TEST COMMENT: Misrun- Packer Failure



PRESSURE SUMMARY

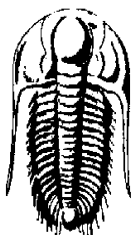
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2427.42	111.53	Initial Hydro-static
24	2324.51	113.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
785.00	Drilling Mud	8.45

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

18-20s-25w Ness, KS
Uehling unit #1-18
 Job Ticket: 51485 **DST#: 1**
 Test Start: 2013.02.28 @ 10:24:05

GENERAL INFORMATION:

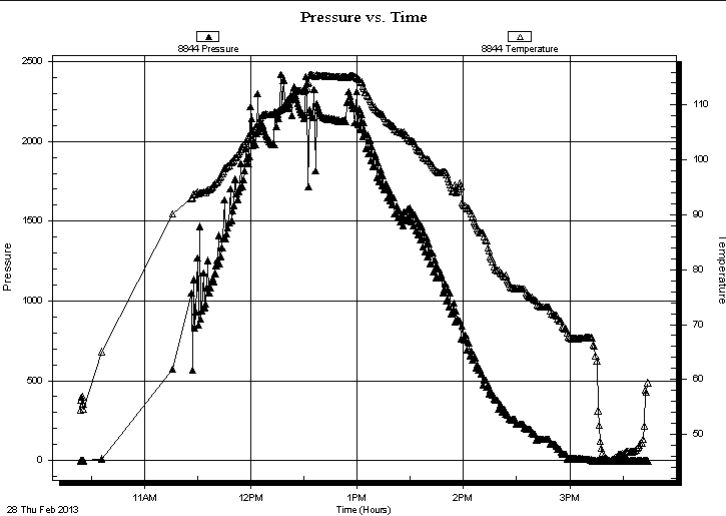
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 15:44:20
 Interval: **4494.00 ft (KB) To 4520.00 ft (KB) (TVD)**
 Total Depth: 4520.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Andy Carreira
 Unit No: 68
 Reference Elevations: 2497.00 ft (KB)
 2486.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8844

Inside

Press @ Run Depth: psig @ 4495.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.02.28 End Date: 2013.02.28 Last Calib.: 2013.02.28
 Start Time: 10:24:05 End Time: 15:43:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: Misrun- Packer Failure



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
785.00	Drilling Mud	8.45

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior inc.

18-20s-25w Ness, KS

PO Box 399
Garden City, KS 67846

Uehling unit #1-18

Job Ticket: 51485

DST#: 1

ATTN: Kevin Timson

Test Start: 2013.02.28 @ 10:24:05

Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 280.67 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose:	69000.00 lb
			<u>Total Volume: 60.38 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.67 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4494.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: Misrun- Packer Failure

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4467.00	
Shut In Tool	5.00			4472.00	
Hydraulic tool	5.00			4477.00	
Jars	5.00			4482.00	
Safety Joint	3.00			4485.00	
Packer	5.00			4490.00	28.00 Bottom Of Top Packer
Packer	4.00			4494.00	
Stubb	1.00			4495.00	
Recorder	0.00	8844	Inside	4495.00	
Recorder	0.00	8372	Outside	4495.00	
Perforations	22.00			4517.00	
Bullnose	3.00			4520.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior inc.

18-20s-25w Ness, KS

PO Box 399
Garden City, KS 67846

Uehling unit #1-18

Job Ticket: 51485

DST#: 1

ATTN: Kevin Timson

Test Start: 2013.02.28 @ 10:24:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
785.00	Drilling Mud	8.455

Total Length: 785.00 ft Total Volume: 8.455 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

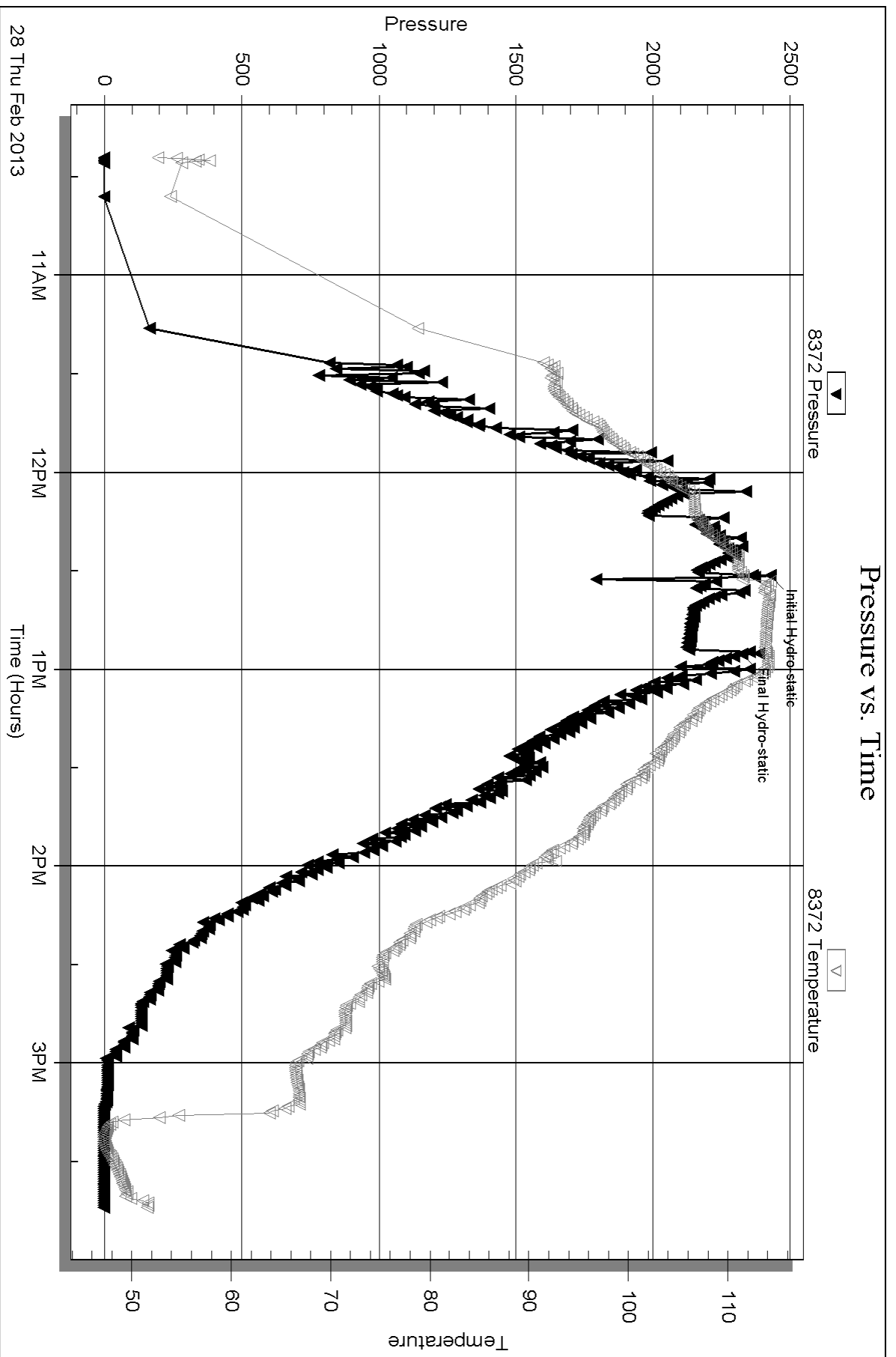
Recovery Comments:

Serial #: 8372

Outside American Warrior inc.

Uehling unit #1-18

DST Test Number: 1



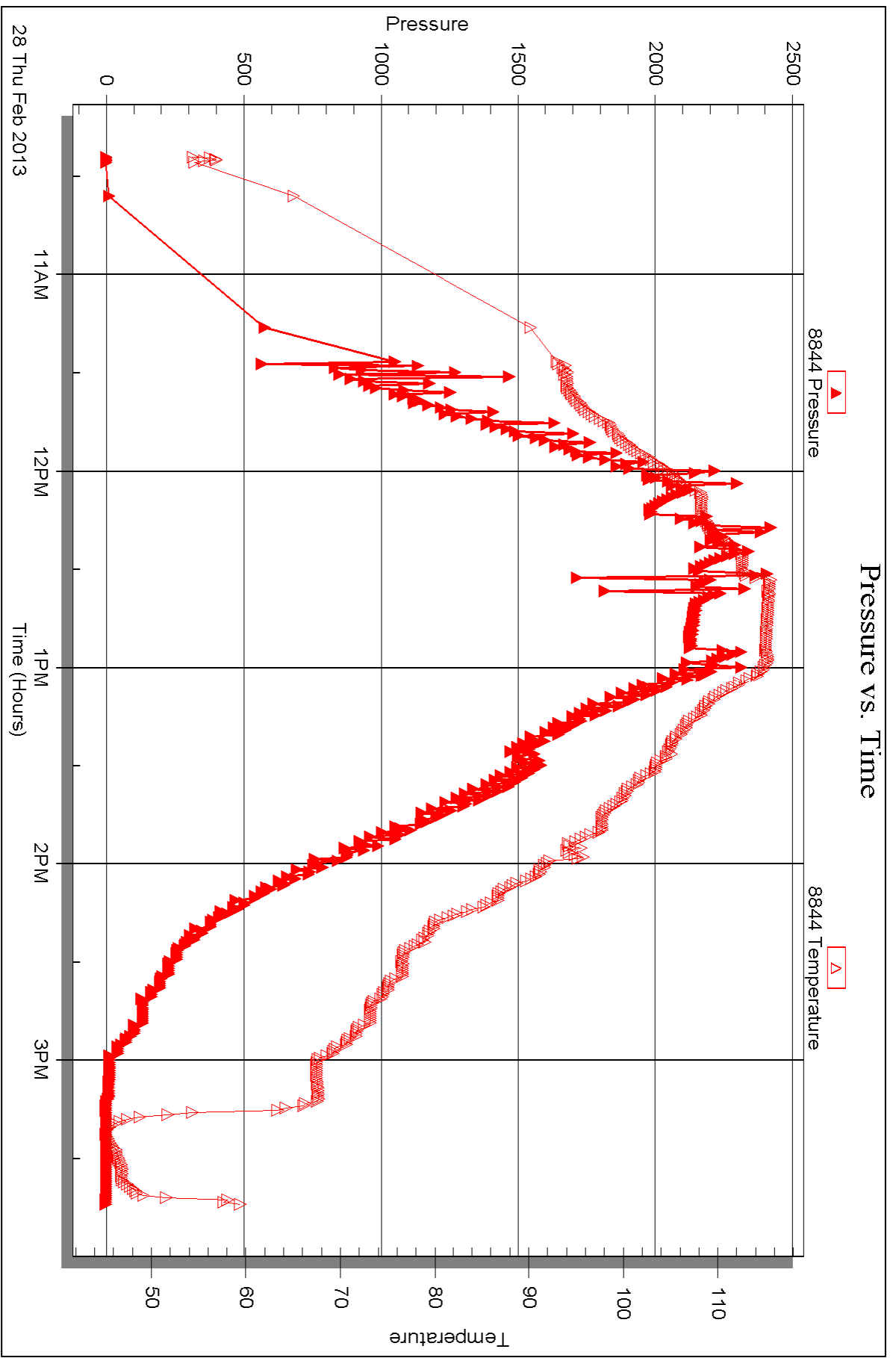
Serial #: 8844

Inside

American Warrior inc.

Uehling unit #1-18

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **American Warrior inc.**

PO Box 399
Garden City, KS 67846

ATTN: Kevin Timson

Uehling unit #1-18

18-20s-25w Ness,KS

Start Date: 2013.02.28 @ 23:00:05

End Date: 2013.03.01 @ 07:33:50

Job Ticket #: 51486 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.07 @ 11:32:43



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Kevin Timson

18-20s-25w Ness, KS
Uehling unit #1-18
 Job Ticket: 51486 **DST#: 2**
 Test Start: 2013.02.28 @ 23:00:05

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:18:10
 Time Test Ended: 07:33:50
 Interval: **4452.00 ft (KB) To 4520.00 ft (KB) (TVD)**
 Total Depth: 4520.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 68
 Reference Elevations: 2497.00 ft (KB)
 2486.00 ft (CF)
 KB to GR/CF: 11.00 ft

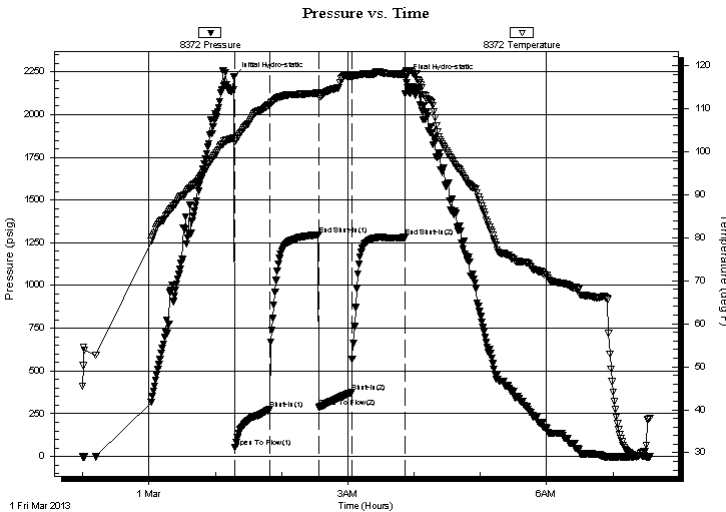
Serial #: 8372

Outside

Press @ Run Depth: 374.43 psig @ 4463.00 ft (KB)
 Start Date: 2013.02.28 End Date: 2013.03.01
 Start Time: 23:00:05 End Time: 07:33:50
 Capacity: 8000.00 psig
 Last Calib.: 2013.03.01
 Time On Btm: 2013.03.01 @ 01:17:10
 Time Off Btm: 2013.03.01 @ 03:52:39

TEST COMMENT: IF:(30min) BOB in 4 min.
 ISl:(45min) Return blow built to 2"
 FF:(30min) BOB in 5 min.
 FSl:(45min) Return blow built to 1.5"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2221.99	103.18	Initial Hydro-static
1	53.58	102.38	Open To Flow (1)
33	277.71	111.01	Shut-In(1)
77	1296.82	113.57	End Shut-In(1)
77	288.12	112.98	Open To Flow (2)
107	374.43	117.31	Shut-In(2)
155	1282.11	118.06	End Shut-In(2)
156	2213.33	118.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCGO g=10% m=40% o=50%	0.30
320.00	MCGO g=10% m=30% o=60%	2.48
500.00	GO g=20% o=80%	7.01
0.00	GIP= 65 ft	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior inc.

18-20s-25w Ness, KS

PO Box 399
Garden City, KS 67846

Uehling unit #1-18

Job Ticket: 51486

DST#: 2

ATTN: Kevin Timson

Test Start: 2013.02.28 @ 23:00:05

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:18:10

Time Test Ended: 07:33:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 68

Interval: **4452.00 ft (KB) To 4520.00 ft (KB) (TVD)**

Reference Elevations: 2497.00 ft (KB)

Total Depth: 4520.00 ft (KB) (TVD)

2486.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8844 Inside

Press @ RunDepth: psig @ 4463.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.02.28

End Date: 2013.03.01

Last Calib.: 2013.03.01

Start Time: 23:00:05

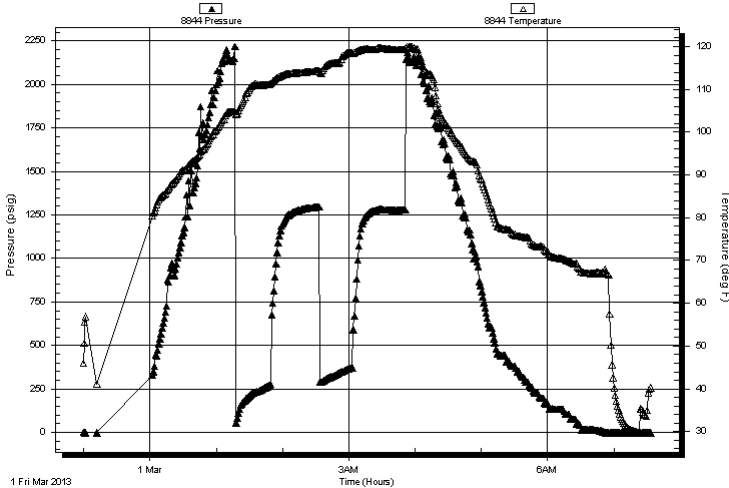
End Time: 07:33:50

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:(30min) BOB in 4 min.
ISl:(45min) Return blow built to 2"
FF:(30min) BOB in 5 min.
FSl:(45min) Return blow built to 1.5"

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCGO g=10% m=40% o=50%	0.30
320.00	MCGO g=10% m=30% o=60%	2.48
500.00	GO g=20% o=80%	7.01
0.00	GIP= 65 ft	0.00

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.

18-20s-25w Ness, KS

PO Box 399
Garden City, KS 67846

Uehling unit #1-18

Job Ticket: 51486

DST#: 2

ATTN: Kevin Timson

Test Start: 2013.02.28 @ 23:00:05

Tool Information

Drill Pipe:	Length: 4174.00 ft	Diameter: 3.80 inches	Volume: 58.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 280.67 ft	Diameter: 2.25 inches	Volume: 1.38 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.67 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4452.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 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			4425.00	
Shut In Tool	5.00			4430.00	
Hydraulic tool	5.00			4435.00	
Jars	5.00			4440.00	
Safety Joint	3.00			4443.00	
Packer	5.00			4448.00	28.00 Bottom Of Top Packer
Packer	4.00			4452.00	
Stubb	1.00			4453.00	
Perforations	9.00			4462.00	
Change Over Sub	1.00			4463.00	
Recorder	0.00	8844	Inside	4463.00	
Recorder	0.00	8372	Outside	4463.00	
Drill Pipe	31.00			4494.00	
Change Over Sub	1.00			4495.00	
Perforations	22.00			4517.00	
Bullnose	3.00			4520.00	68.00 Bottom Packers & Anchor
Total Tool Length:	96.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior inc.

18-20s-25w Ness,KS

PO Box 399
Garden City, KS 67846

Uehling unit #1-18

Job Ticket: 51486

DST#: 2

ATTN: Kevin Timson

Test Start: 2013.02.28 @ 23:00:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MCGO g=10% m=40% o=50%	0.295
320.00	MCGO g=10% m=30% o=60%	2.479
500.00	GO g=20% o=80%	7.014
0.00	GIP= 65 ft	0.000

Total Length: 880.00 ft

Total Volume: 9.788 bbl

Num Fluid Samples: 0

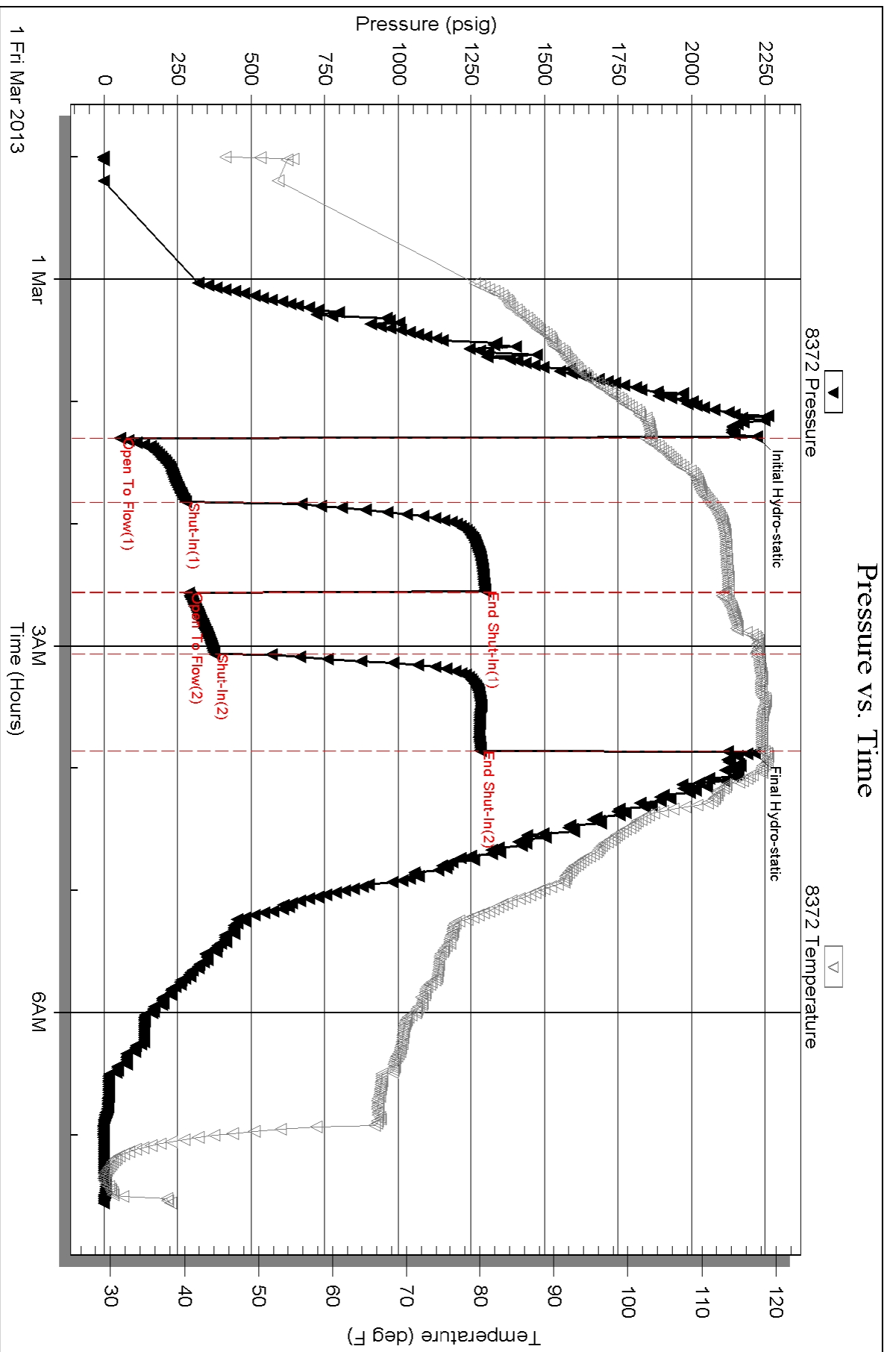
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



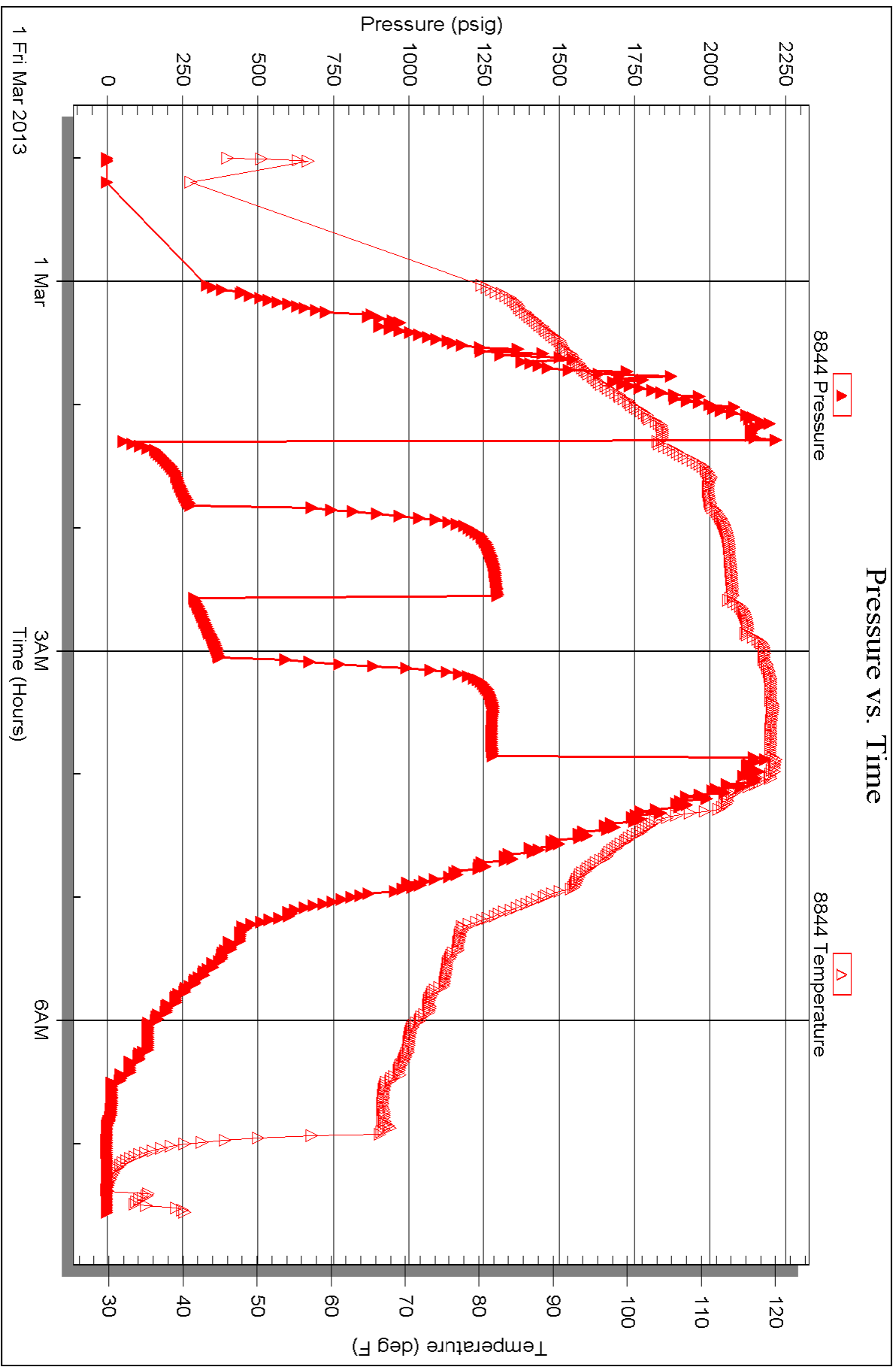
Serial #: 8844

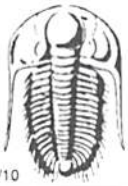
Inside

American Warrior inc.

Uehling unit #1-18

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51485

4/10

Well Name & No. Uehling unit #1-18 Test No. 1 Date 2-28-13
 Company AMERICAN WARRIOR INC. Elevation 2497 KB 2486 GL
 Address PO Box 399 GARDEN City Ks. 67846
 Co. Rep / Geo. KEVIN TIMSON Rig Duke 5
 Location: Sec. 18 Twp. 20S Rge. 25W Co. NESS State Ks.

Interval Tested 4494-4520 Zone Tested MISS
 Anchor Length 26' Drill Pipe Run 4206 Mud Wt. 9.6
 Top Packer Depth 4489 Drill Collars Run 280.67 Vis 56
 Bottom Packer Depth 4494 Wt. Pipe Run 0 WL 10
 Total Depth 4520 Chlorides 3000 ppm System LCM 1

Blow Description IF
ISI
FF
FSI
 } MISRUN PACKER FAILURE

Rec	Feet of	%gas	%oil	%water	%mud
<u>785</u>	<u>Drilling 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

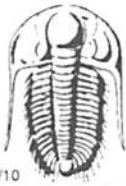
Rec Total 785' BHT 113° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2427 Test 1050 T-On Location 07:59
 (B) First Initial Flow _____ Jars 250 T-Started 10:24
 (C) First Final Flow _____ Safety Joint 75 T-Open S
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 15:45
 (F) Second Final Flow _____ Mileage 105RT 162.75 Comments MISRUN
 (G) Final Shut-In _____ Sampler _____ PACKER FAILURE
 (H) Final Hydrostatic 2324 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open _____ Extra Packer _____ Extra Copies _____
 Initial Shut-In _____ Extra Recorder _____ Sub Total 0
 Final Flow _____ Day Standby _____ Total 1537.75
 Final Shut-In _____ Accessibility _____ MP/DST Disc't _____
 Sub Total 1537.75

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51486

Well Name & No. Uehling UNIT #1-18 Test No. 2 Date 2-28-13
 Company AMERICAN WARRIOR INC. Elevation 2497 KB 2486 GL
 Address PO BOX 399 GARDEN CITY KS 67846
 Co. Rep / Geo. KEVIN TIMSON Rig Duke 5
 Location: Sec. 18 Twp. 20S Rge. 25W Co. NESS State Ks.

Interval Tested 4452 - 4520 Zone Tested MISS
 Anchor Length 68' Drill Pipe Run 4174 Mud Wt. 9.6
 Top Packer Depth 4447 Drill Collars Run 280.67 Vis 56
 Bottom Packer Depth 4452 Wt. Pipe Run Ø WL 10
 Total Depth 4520 Chlorides 3800 ppm System LCM 1

Blow Description IF: BOB IN 4min.
ISI: Return blow, built to 2"
FF: BOB IN 5min
FST: Return blow built to 1.5"

Rec	Feet of	%gas	%oil	%water	%mud
<u>500</u>	<u>GO</u>	<u>20%</u>	<u>80%</u>		
<u>320</u>	<u>MCGO</u>	<u>10%</u>	<u>60%</u>		<u>30%</u>
<u>60</u>	<u>MCGO</u>	<u>10%</u>	<u>50%</u>		<u>40%</u>
<u>60</u>	<u>BIP</u>				

Rec Total 880' BHT 118° Gravity 39+ API RW @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 2221
- (B) First Initial Flow 53
- (C) First Final Flow 277
- (D) Initial Shut-In 1296
- (E) Second Initial Flow 288
- (F) Second Final Flow 374
- (G) Final Shut-In 1282
- (H) Final Hydrostatic 2213

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

- Test ← 1250
- Jars ← 250
- Safety Joint ← 75
- Circ Sub
- Hourly Standby
- Mileage 105RT 162.75
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

T-On Location 22:12
 T-Started 23:00
 T-Open 01:20
 T-Pulled 03:50
 T-Out 07:35

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1737.75
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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