



**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: \_\_\_\_\_



1053636

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Baus 1-30
Doc ID	1053636

Tops

Name	Top	Datum
Anhydrite	1510	790
Heebner	3806	-1506
Lansing	3854	-1554
BKC	4168	-1868
Pawnee	4302	-2002
Ft. Scott	4322	-2022
Cherokee	4339	-2039
Mississippian	4411	-2111
TD	4430	-2130

APP # 15-165-21887

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY American Warrick Inc.  
 LEASE Baus 1-30  
 FIELD Schadel DE  
 LOCATION 960' FSL + 1325' Full  
 SEC 30 TWP 19 S RGE 20 W  
 COUNTY Rush STATE KS  
 CONTRACTOR Petromark Rig 1  
 SPUD 7-10-10 COMP 7-17-10  
 RTD 4434 LTD 4430  
 MUD UP 3400 TYPE MUD Fresh

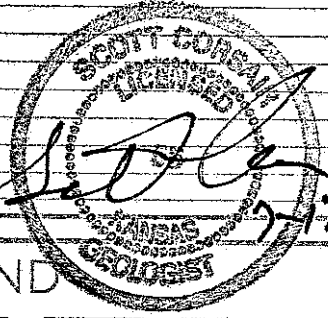
SAMPLES SAVED FROM 3600 TO TD  
 DRILLING TIME KEPT FROM 3600 TO TD  
 SAMPLES EXAMINED FROM 3600 TO TD  
 GEOLOGICAL SUPERVISION FROM 3600 TO TD  
 GEOLOGIST ON WELL Scott Corsair

ELEVATIONS  
 KB 2300'  
 DF \_\_\_\_\_  
 GL 2294'  
 Measurements Are All From KR

CASING SURFACE 8580 @ 222-150 PRODUCTION \_\_\_\_\_  
 ELECTRICAL SURVEYS DST, D.C.P  
 log Tech

FORMATION TOPS	LOG	SAMPLES
<u>Anhydrite</u>	<u>1510 + 790</u>	<u>1514 + 786</u>
<u>Anhydrite</u>	<u>3806-1506</u>	<u>3810-1670</u>
<u>Liasin</u>	<u>3854-1654</u>	<u>3856-1556</u>
<u>BKC</u>	<u>4168-1868</u>	<u>4170-1870</u>
<u>Power</u>	<u>4302-2002</u>	<u>4298-1998</u>
<u>Pt. 500 ft</u>	<u>4342-2042</u>	<u>4345-2045</u>
<u>Chap Kee</u>	<u>4339-2039</u>	<u>4340-2040</u>
<u>MISSISSIPPIAN</u>	<u>4411-2111</u>	<u>4412-2112</u>
<u>TD</u>	<u>4430-2130</u>	<u>4434-2134</u>

REMARKS Anhydrite 1514-46  
Based upon sample examination, structural position, gas detector results, DST results + log analysis this well was put on 7-17-10



## LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	ool. Lime	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT  
 Rate of Penetration Decreases

DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

5" 10" 15" 20" 25"

3600

58-5052

LOG 7710-85

5000

50

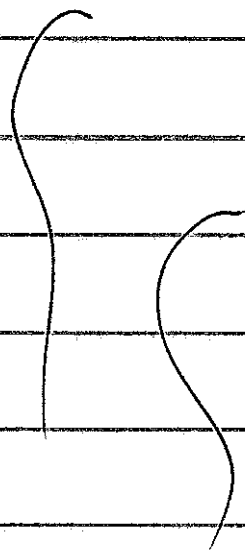
3700

50

3800  
Heebner  
3810  
-1510

LS: Tan +  
SM

Shi Black  
carb



Sh: bran

LS: Lt gray xh  
+ nic

Sh: bran - gray

50  
hansins

3856  
-1556

LS: buff - low  
xh dense  
NS

Sh: green - say

LS: Lt gray - white  
chug + xh -  
LS: can. NS

3900

LS: can + gray

cht can + gray  
NS

Sh: black gray  
can

S S

50

LS: can + gray  
xh oo!  
NS

S S

4000

Sh: green  
brown

LS + SH

a r

S c

50

sh m-c

SS

LS: tan + gray  
sh + mic NS

SS

sh

4100

LS: Tan-gray  
brn sh dr  
NS

SS

sh black

LS: gray + dk tan  
sh + mic

NS

50

sh: black

BKC  
4170

LS + sh

-1870

sh m-c

SS

4200

LS: brn-gray  
sh + mic  
dane ni

sh: black.

sh: m-c

LS:

50

sh: m-c



Pauneer  
4298  
-1998  
4300  
-CTCH

Ft. Scott  
4325

-2025

Cherokee  
4340

-2040

50

4400  
Mississippi  
4412  
-2112

DST  
#2  
CFS  
CFS

RTD  
4434  
-2134  
DST #2

4417-4434

30-30-30-30

IF: WB - 3 1/2"

FF: LB - 3"



SS

sh + LS

→ a

Sh

LS: gray - dense

short tails

sh: Red-brown  
sh black gray.

LS: lt gray + tan  
xlr dense  
NS

Sh: green -  
gray.

LS: gray NS

SS: f G, SA - Ans  
clean & frosted,  
mostly loose grain,  
few clusters, dull fl.  
& fair cut fl.

Sh: Red-brown

Sh: green - Red  
cht cba - white  
Ans

cht: white - weathered  
trip, good vuggy  
several pieces w/  
green shale inc lumps  
BSPD, BF, XCF  
NO  
aa with lbs  
SO

DST #1  
4416-29  
3030 10 -  
WB dried 10 min  
FF: NB  
Pulled  
Tool  
Rec: 20'  
10' Oil  
10 mud  
IFP: 19-25  
ISP: 1205  
FF 30-31

6 unit  
DST 1



Rec 138'  
S' 0:1  
133' MW  
IFP: 20-82  
ISIP 1193  
FFP: 84-106  
FSTA 1208

<p>5" 10" 15" 20" 25"</p> <p>DRILLING TIME Minutes/Foot</p> <p>Rate of Penetration Decreases </p>	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS

CONTRACTOR Petromark Rig #1  
 LEASE Baus 1-30 IP \_\_\_\_\_  
 ELEVATION 2300 KB RTD 443'

LOCATION 960' FwL + 1375' FwL  
 SEC 30 TWP 19S RNG 20W  
 COUNTY RUSH STATE KS



Services, Inc.

TICKET  
17986

PAGE 1 OF 1

CHARGE TO: American Water Co  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE ZIP CODE: \_\_\_\_\_

1. SERVICE LOCATIONS <u>Hays, KS</u>	WELL PROPOSED NO. <u>21-30</u>	LEASE <u>Bass</u>	COUNTY/PARISH <u>Ness</u>	STATE <u>KS</u>	CITY	DATE <u>7-17-10</u>	OWNER <u>50002</u>
2. <u>Ness City, KS</u>	TICKET TYPE <u>CONTRACTOR</u>	CONTRACTOR <u>Polymark #1</u>	RIG NAME/NO.	SHIPPED <u>WT</u>	DELIVERED TO <u>Location</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>PTA</u>	WELL PERMIT NO.		WELL LOCATION	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE 2111	30	mi			5.00	150.00
578P		1			Permit Charge (PTA)	1	ea			756.00	756.00
290		1			D-Att	2	hrs			35.00	70.00
328-4		2			600 Permit 44601	220	hrs			9.75	2145.00
581		2			Concrt Service Charge	225	hrs			1.50	337.50
583		2			Drayage	282	hrs			1.00	282.00

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 REPRESENTATIVE PRIOR TO START OF WORK OR DELIVERY OF GOODS

X Kevin Williams  
 DATE SIGNED 7-17-10  DAY  PM

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67660  
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	DIS-AGREE
WE UNDERSTOOD AND MET YOUR NEEDS?		
OUR SERVICE WAS PERFORMED WITHOUT DELAY?		
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	3724.50
TAX	
TOTAL	

JOB LOG

SWIFT Services, Inc.

DATE 7-17-10 PAGE NO.

CUSTOMER *Academy Marine Inc* WELL NO. *#1-30* LEASE *Baus* JOB TYPE *PTA* TICKET NO. *17786*

START TIME	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							on loc set up Trk
								4 1/2" DP x 16.60 x 7 3/8" x 1560'
								1st Plug 1560' 50sk 60% Por 4% gel
	0915	5	0			150		start water
			10/0			150		start cement
			13/0			150		start water
			3/0			150		start Mud
	0925		10					Balanced
								2nd Plug 600' 90sk 60% Por 4% gel
	0930	4	0			100		start water
			10/0					start cement
			21/0					start water
	1000		3					Balanced
								3rd Plug 240' 40sk 60% Por 4% gel
	1015	4	0					start water
			10/0					start cement
			10/0					start water
	1020		1					Balanced
								4th Plug 60' 20sk 60% Por 4% gel
	1050		0					start cement
			5					End cement
								Rat Hole 30sk 60% Por 4% gel
	1055		0					start cement
			7					End cement
								Well Plugged
								Thank you
								Nick, Josh F & Russ

# ALLIED CEMENTING CO., LLC. 036723

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Great Bend, KS

DATE 7-10-10	SEC. 30	TWP. 19S	RANGE 30W	CALLED OUT	ON LOCATION	JOB START 9:00 PM	JOB FINISH 9:30 PM
LEASE Baus	WELL# 1-30	LOCATION Alexander 1/4 west 7 South			COUNTY Rush	STATE US	
OLD OR <u>NEW</u> (Circle one)			1 West North ... To				

CONTRACTOR Petromack Rig 1 OWNER American warrior

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 224

CASING SIZE 8 7/8 DEPTH 222

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT 13 BBHS

**EQUIPMENT**

PUMP TRUCK CEMENTER Wayne D

# 181 HELPER Wayne D

BULK TRUCK

# 344 DRIVER Bob

BULK TRUCK

# DRIVER

CEMENT

AMOUNT ORDERED 150 SX class A

3% cc 2% Gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

@

@

@

@

@

@

@

@

@

HANDLING @

MILEAGE

TOTAL

**REMARKS:**

PIPE on Bottom Break Circulate  
with Rig mud Shut Down  
Mix 150 SX class A 3% cc 2% gel  
Displace 13 BBHS fresh water.  
Cement did circulate  
Shut in wash up Rig Down

**SERVICE**

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

@

@

TOTAL

CHARGE TO: American warrior

STREET

CITY STATE ZIP

**PLUG & FLOAT EQUIPMENT**

@

@

@

@

@

TOTAL

SALES TAX (If Any)

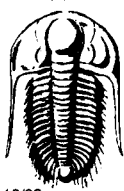
TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Cody Rusk

SIGNATURE Cody Rusk

To Allied Cementing Co., 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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 36200

10/08

Well Name & No. Baus 1-30 Test No. 2 Date 7-16-10  
 Company American Warrior Elevation 2300 KB 2295 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Scott Cairns Rig Petro Mark 1  
 Location: Sec. 30 Twp. 19S Rge. 30W Co. Rush State KS

Interval Tested 4417-4434 Zone Tested Mississippian  
 Anchor Length 17' Drill Pipe Run 4297 Mud Wt. 9.0  
 Top Packer Depth 4412 Drill Collars Run ~~100~~ 121 Vis 58  
 Bottom Packer Depth 4417 Wt. Pipe Run 0 WL 12.0  
 Total Depth 4434 Chlorides 2,000 ppm System LCM 0

Blow Description IF- Weak blow, Built to 3.5 inches,  
ISI- No blowback.  
FF- Weak blow, Built to 3 inches,  
FSI- No blowback.

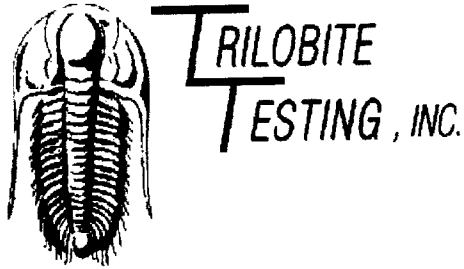
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Oil</u>	<u>100</u>			
<u>10</u>	<u>W/M</u>		<u>85</u>	<u>15</u>	
<u>60</u>	<u>W/M</u>		<u>95</u>	<u>5</u>	
<u>60</u>	<u>W/M</u>		<u>95</u>	<u>5</u>	
<u>3</u>	<u>Mud</u>			<u>100</u>	

Rec Total 138 BHT 121 Gravity \_\_\_\_\_ API RW .177 @ 82 °F Chlorides 32,000 ppm

(A) Initial Hydrostatic 2240  Test \_\_\_\_\_ T-On Location 1515  
 (B) First Initial Flow 20  Jars \_\_\_\_\_ T-Started 1550  
 (C) First Final Flow 82  Safety Joint \_\_\_\_\_ T-Open 1740  
 (D) Initial Shut-In 1193  Circ Sub \_\_\_\_\_ T-Pulled 1955  
 (E) Second Initial Flow 84  Hourly Standby \_\_\_\_\_ T-Out 2230  
 (F) Second Final Flow 106  Mileage 104 RT Comments \_\_\_\_\_  
 (G) Final Shut-In 1208  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2152  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Sub Total \_\_\_\_\_  
 Total \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Dustin Rask

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.



## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

ATTN: Scott Corsair

**30-19s20w Rush KS**

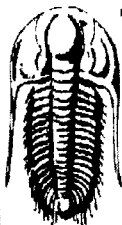
**Baus1-30**

Start Date: 2010.07.16 @ 15:50:58

End Date: 2010.07.16 @ 22:31:23

Job Ticket #: 36203                      DST #: 2

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior

**Baus1-30**

**30-19s20w Rush KS**

Job Ticket: 36203

**DST#: 2**

ATTN: Scott Corsair

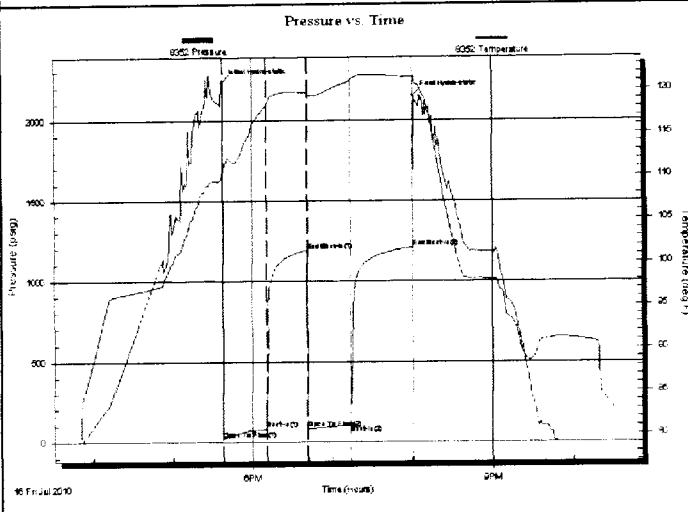
Test Start: 2010.07.16 @ 15:50:58

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 17:38:28  
 Time Test Ended: 22:31:23  
 Interval: **4417.00 ft (KB) To 4434.00 ft (KB) (TVD)**  
 Total Depth: **4434.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Dustin Rash**  
 Unit No: **31**  
 Reference Elevations: **2300.00 ft (KB)**  
**2295.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 8352** Outside  
 Press@RunDepth: **106.32 psig @ 4418.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2010.07.16** End Date: **2010.07.16** Last Calib.: **2010.07.16**  
 Start Time: **15:50:58** End Time: **22:31:23** Time On Btm: **2010.07.16 @ 17:38:08**  
 Time Off Btm: **2010.07.16 @ 20:01:08**

TEST COMMENT: IF-Weak blow . Built to 3.5 inches.  
 IS-No blow back.  
 FF-Weak blow . Built to 3 inches.  
 FS-No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.54	110.46	Initial Hydro-static
1	19.58	110.09	Open To Flow (1)
33	82.40	118.22	Shut-In(1)
64	1192.49	119.68	End Shut-In(1)
64	84.06	119.02	Open To Flow (2)
96	106.32	121.03	Shut-In(2)
143	1208.11	121.41	End Shut-In(2)
143	2152.36	121.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Oil	0.02
10.00	85% Water/15% Mud	0.05
60.00	95% Water/5% Mud	0.30
60.00	95% Water/5% Mud	0.42
3.00	100% Mud	0.04

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Baus1-30

30-19s20w Rush KS

Job Ticket: 36203

DST#: 2

ATTN: Scott Corsair

Test Start: 2010.07.16 @ 15:50:58

## Mud and Cushion Information

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 58.00 sec/qt  
 Water Loss: 11.99 in<sup>3</sup>  
 Resistivity: 0.18 ohm.m  
 Salinity: 7000.00 ppm  
 Filter Cake: 0.00 inches

Cushion Type:  
 Cushion Length: ft  
 Cushion Volume: bbl  
 Gas Cushion Type:  
 Gas Cushion Pressure: psig

Oil API: deg API  
 Water Salinity: 32000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Oil	0.025
10.00	85% Water/15% Mud	0.049
60.00	95% Water/5% Mud	0.295
60.00	95% Water/5% Mud	0.423
3.00	100% Mud	0.042

Total Length: 138.00 ft      Total Volume: 0.834 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

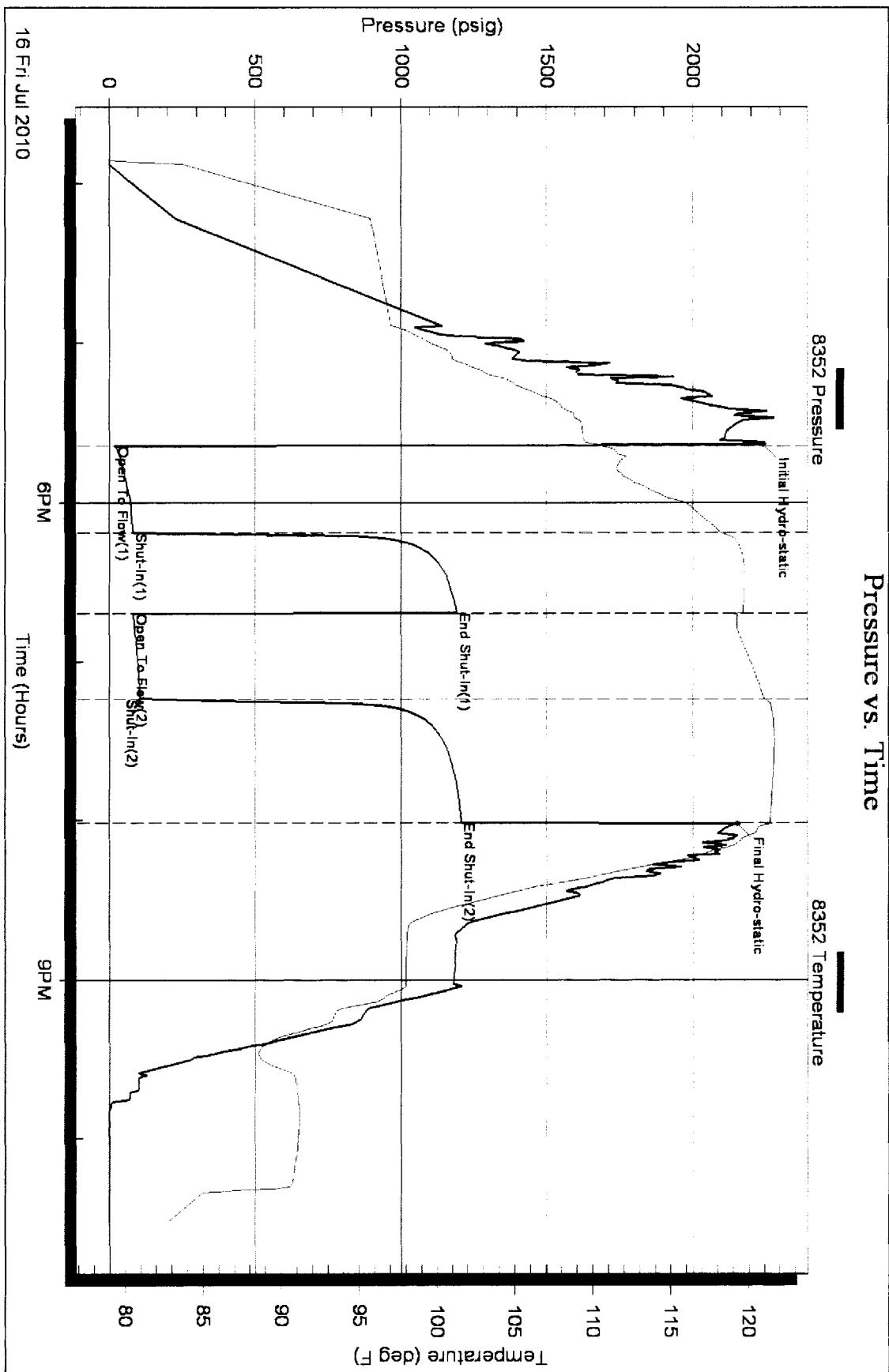
Serial #: 8352

Outside American Warrior

30-19s20w Rush KS

DST Test Number: 2

### Pressure vs. Time



Trilobe Testing, Inc

Ref. No: 36203

Printed: 2010.07.16 @ 22:39:26 Page 5

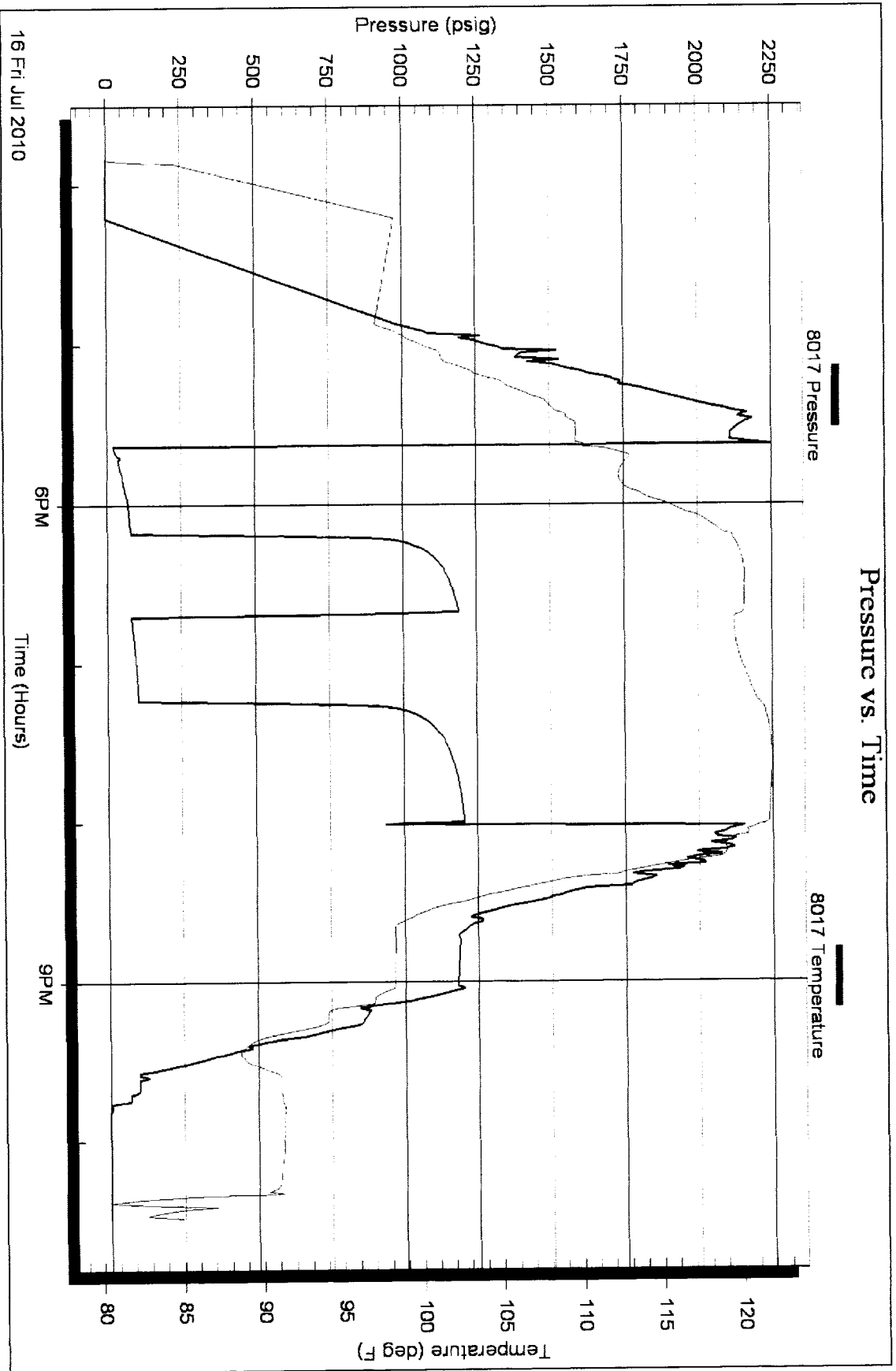
Serial #: 8017

Inside

American Warrior

30-19s20w Rush KS

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 36200

10/08

Well Name & No. Baus 1-30 Test No. 1 Date 7-16-10  
 Company American Warrior Elevation 2300 KB 2295 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Scott Corsain Rig Periemark #1  
 Location: Sec. 30 Twp. 18S Rge. 20W Co. Rush State KS

Interval Tested 4416-4429 Zone Tested Mississippian  
 Anchor Length 13' Drill Pipe Run 4295 Mud Wt. 8.9  
 Top Packer Depth 4411 Drill Collars Run 121 Vis 69  
 Bottom Packer Depth 4416 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4429 Chlorides 6000 ppm System LCM Tr  
 Blow Description IF- Weak blow. Died in ten minutes.  
ISI- No blow back.  
FF- No blow. Pulled tool after ten minutes.

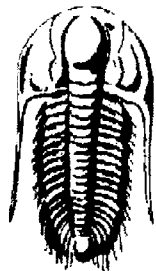
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Oil</u>	<u>100</u>			
<u>10</u>	<u>Mud</u>			<u>100</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 20' BHT 118 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2335.44  Test \_\_\_\_\_ T-On Location 0135  
 (B) First Initial Flow 19.44  Jars \_\_\_\_\_ T-Started 0250  
 (C) First Final Flow ~~20.00~~ 24.71  Safety Joint \_\_\_\_\_ T-Open 0614  
 (D) Initial Shut-In 1204.59  Circ Sub \_\_\_\_\_ T-Pulled 0728  
 (E) Second Initial Flow 30.82  Hourly Standby \_\_\_\_\_ T-Out 0945  
 (F) Second Final Flow 32.82  Mileage 104 Rt Comments \_\_\_\_\_  
 (G) Final Shut-In N/A  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2100.22  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Accessibility \_\_\_\_\_ Total \_\_\_\_\_  
 Sub Total \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 10  
 Final Shut-In 0

Approved By \_\_\_\_\_ Our Representative Dustin Rash  
 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.**

## DRILL STEM TEST REPORT

Prepared For: **American Warrior**

ATTN: Scott Corsair

**30-19s20w Rush KS**

**Baus1-30**

Start Date: 2010.07.16 @ 02:49:02

End Date: 2010.07.16 @ 09:42:12

Job Ticket #: 36202                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Warrior

Baus1-30

30-19s20w Rush KS

DST # 1

Misspian

2010.07.16



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior

Baus1-30

30-19s20w Rush KS

Job Ticket: 36202

DST#: 1

ATTN: Scott Corsair

Test Start: 2010.07.16 @ 02:49:02

## GENERAL INFORMATION:

Formation: Missipian

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:16:45

Time Test Ended: 09:42:12

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 31

Interval: 4416.00 ft (KB) To 4429.00 ft (KB) (TVD)

Total Depth: 4429.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2300.00 ft (KB)

2295.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8352

Outside

Press@RunDepth: 24.71 psig @ 4417.00 ft (KB)

Start Date: 2010.07.16

End Date:

2010.07.16

Start Time: 02:49:02

End Time:

09:42:12

Capacity: 8000.00 psig

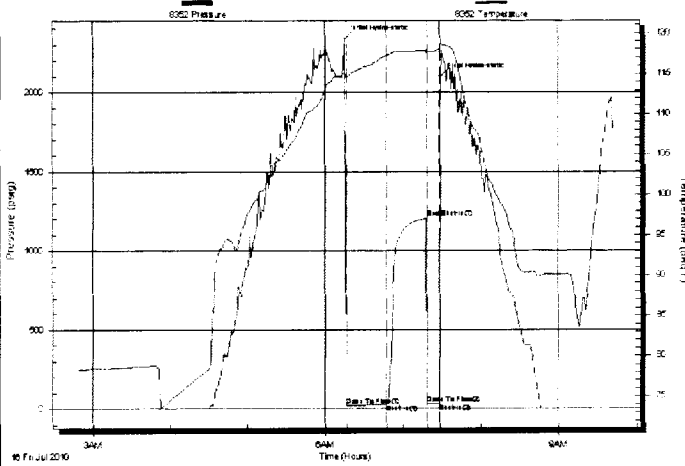
Last Calib.: 2010.07.16

Time On Btm: 2010.07.16 @ 06:15:55

Time Off Btm: 2010.07.16 @ 07:28:55

TEST COMMENT: IF- weak blow died in 10 minutes  
IS- No blow back  
FF- No blow . pulled tool after 10 minutes.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2335.44	115.10	Initial Hydro-static
1	19.44	114.39	Open To Flow (1)
33	24.71	117.23	Shut-In(1)
63	1204.59	117.90	End Shut-In(1)
64	30.82	117.49	Open To Flow (2)
73	32.82	118.14	Shut-In(2)
73	2100.22	119.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Oil	0.05
10.00	100% Mud	0.05

## Gas Rates

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







**TRILOBITE**  
**TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Baus1-30

30-19s20w Rush KS

Job Ticket: 36202

DST#: 1

ATTN: Scott Corsair

Test Start: 2010.07.16 @ 02:49:02

## 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: 69.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	100% Oil	0.049
10.00	100% Mud	0.049

Total Length: 20.00 ft      Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

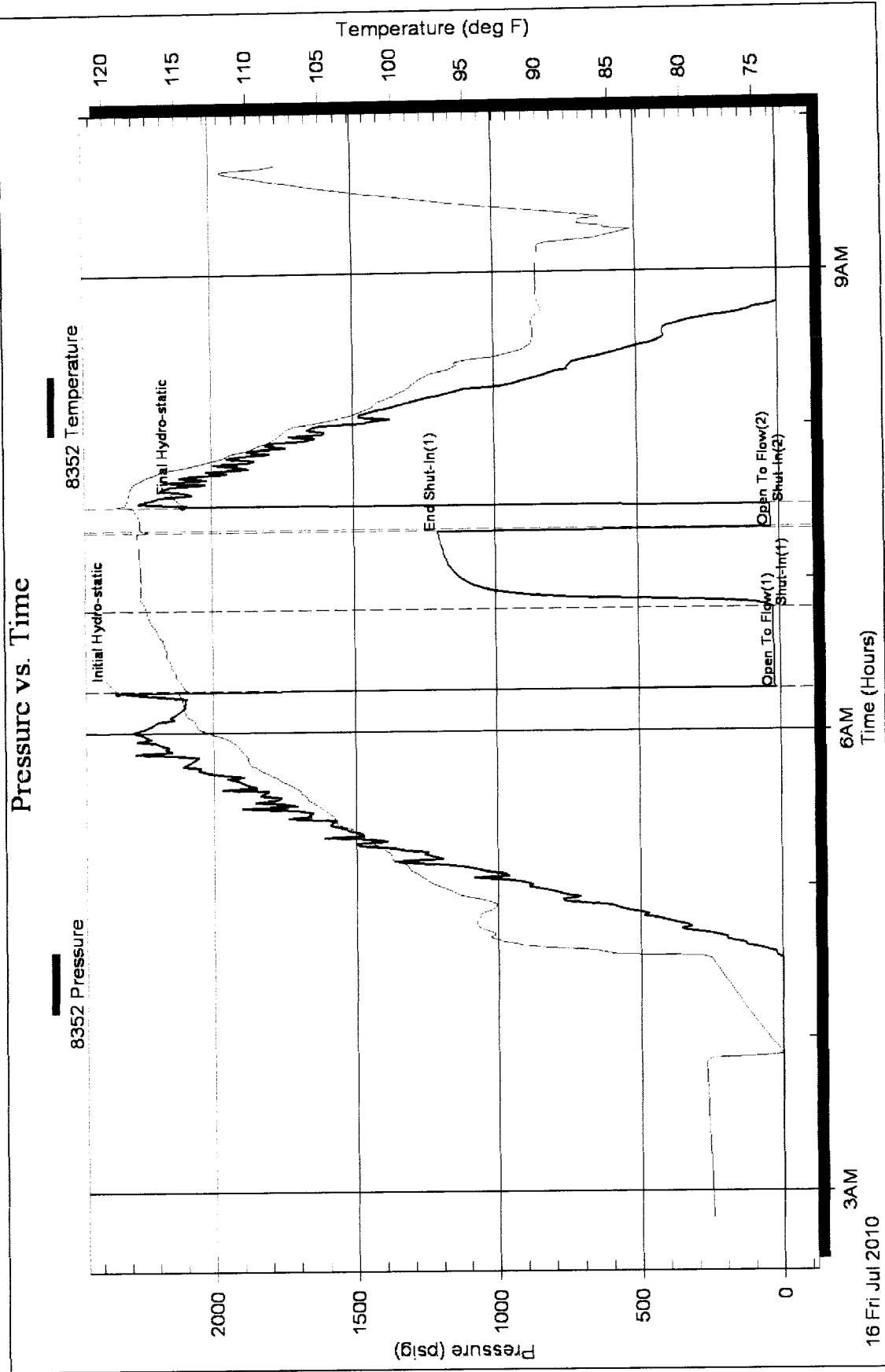
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



Serial #: 8017

Inside

American Warrior

30-19s20w Rush KS

DST Test Number: 1

