



# 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

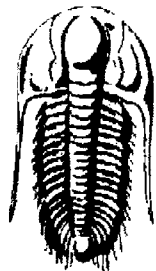
Interval Tested 4416-4429 Zone Tested Mississippian  
 Anchor Length 13' Drill Pipe Run 4295 Mud Wt. 8.9  
 Top Packer Depth 4411 Drill Collars Run 121 Vis 69  
 Bottom Packer Depth 4416 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4429 Chlorides 6000 ppm System LCM Tr  
 Blow Description IF- Weak blow. 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	<u>20'</u>	BHT	<u>118</u>	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 \_\_\_\_\_

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

Capacity: 8000.00 psig

Last Calib.: 2010.07.16

Start Time: 02:49:02

End Time:

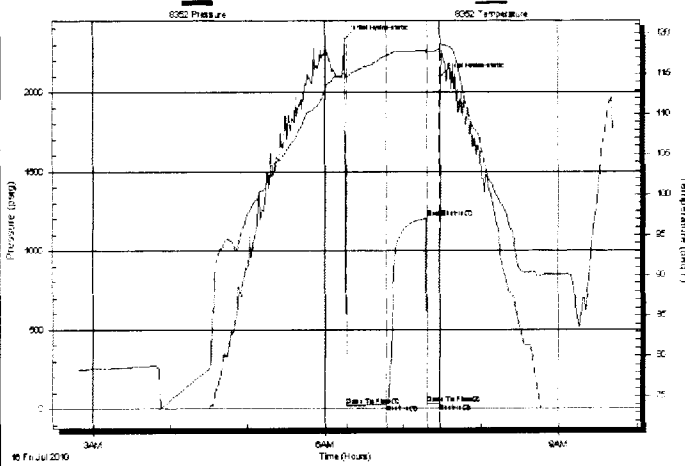
09:42:12

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  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 69.00 sec/qt  
 Water Loss: 8.80 in<sup>3</sup>  
 Resistivity: ohm.m  
 Salinity: ppm  
 Filter Cake: inches

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

Oil API: deg API  
 Water Salinity: ppm

## Recovery Information

Recovery Table

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

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

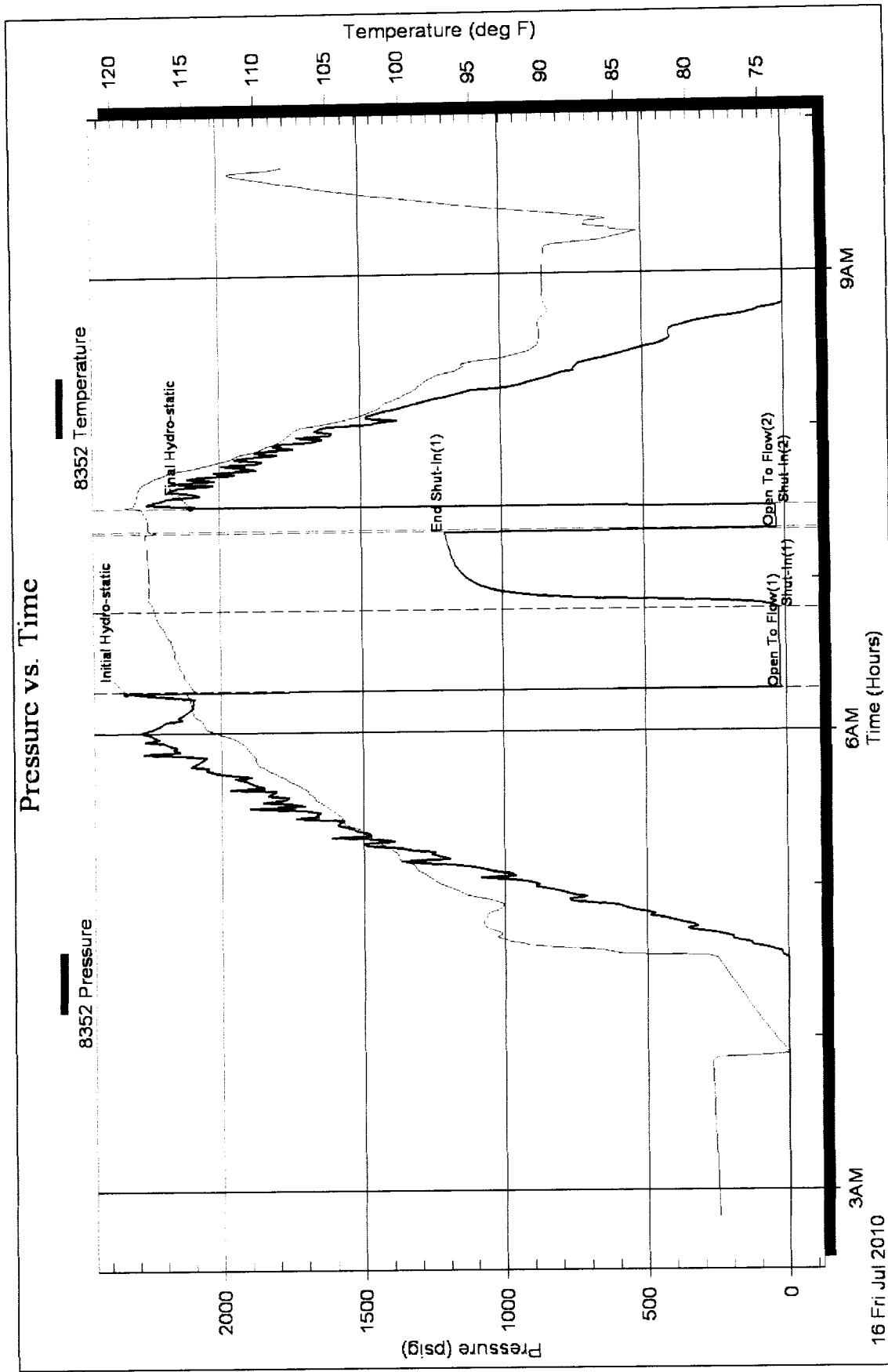
Recovery Comments:

Serial #: 8352

Outside American Warrior

30-19s20w Rush KS

DST Test Number: 1



Serial #: 8017

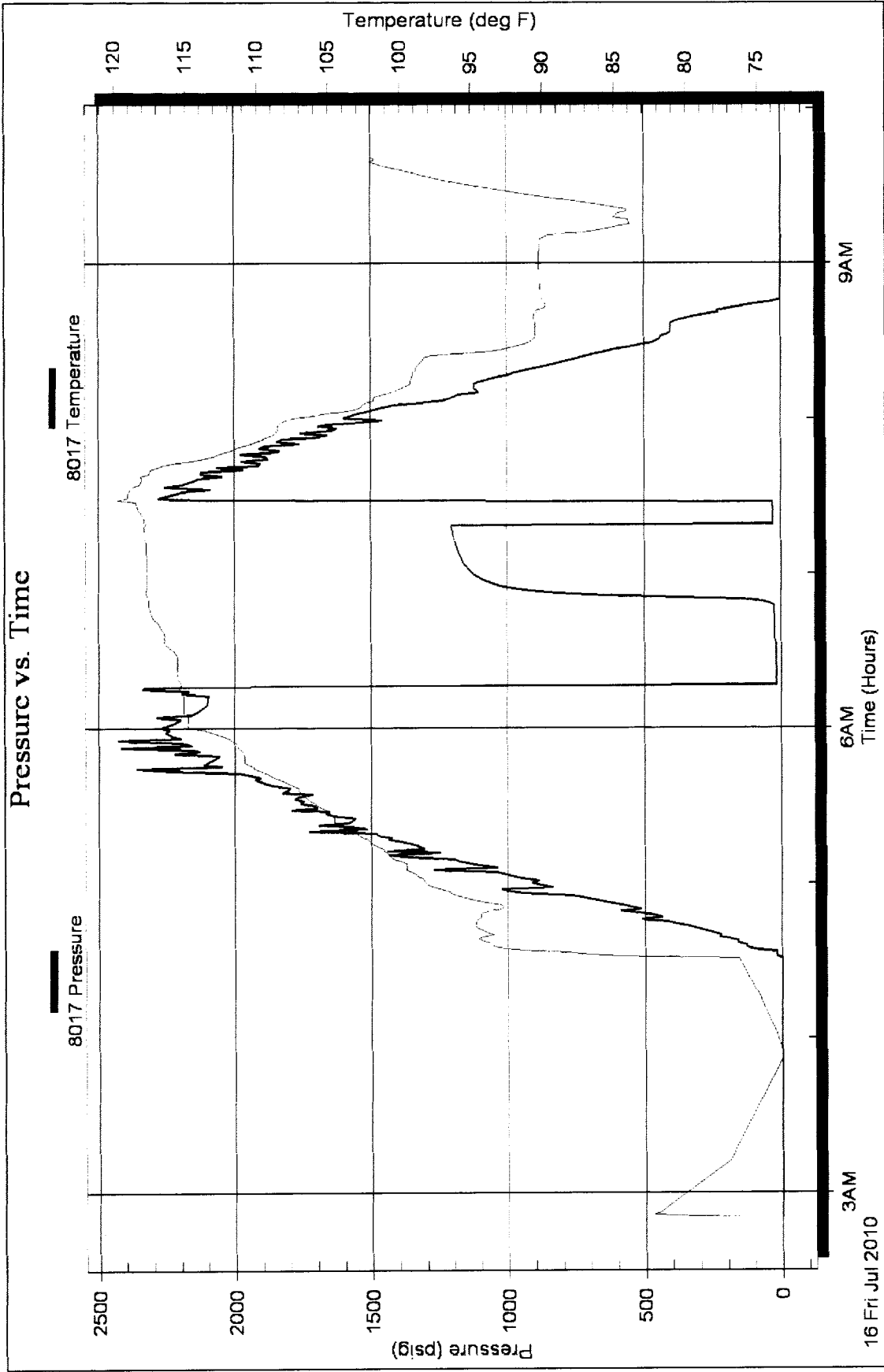
Inside

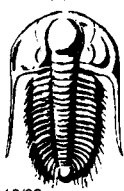
American Warrior

30-19s20w Rush KS

DST Test Number: 1

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 36288

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>	

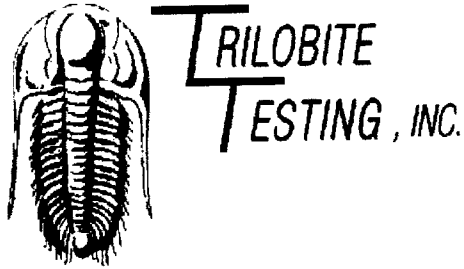
Rec Total 138 BHT 121 Gravity \_\_\_\_\_ API RW .177 @ 82 °F Chlorides 32,000 ppm

(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 \_\_\_\_\_

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

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

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## 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

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **31**

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**

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:

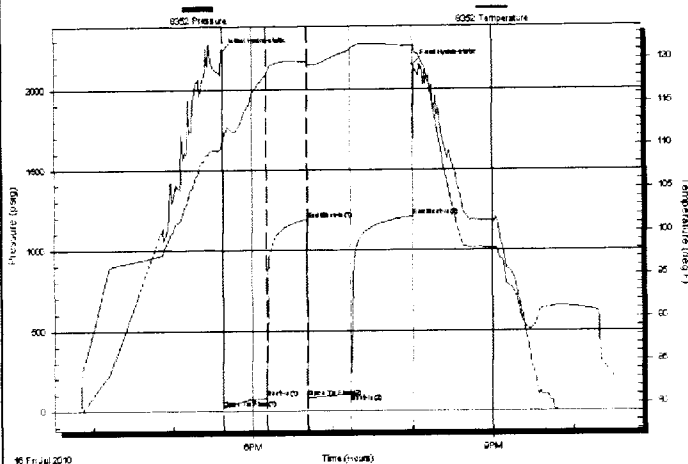
**22:31:23**

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 vs. Time



## 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:

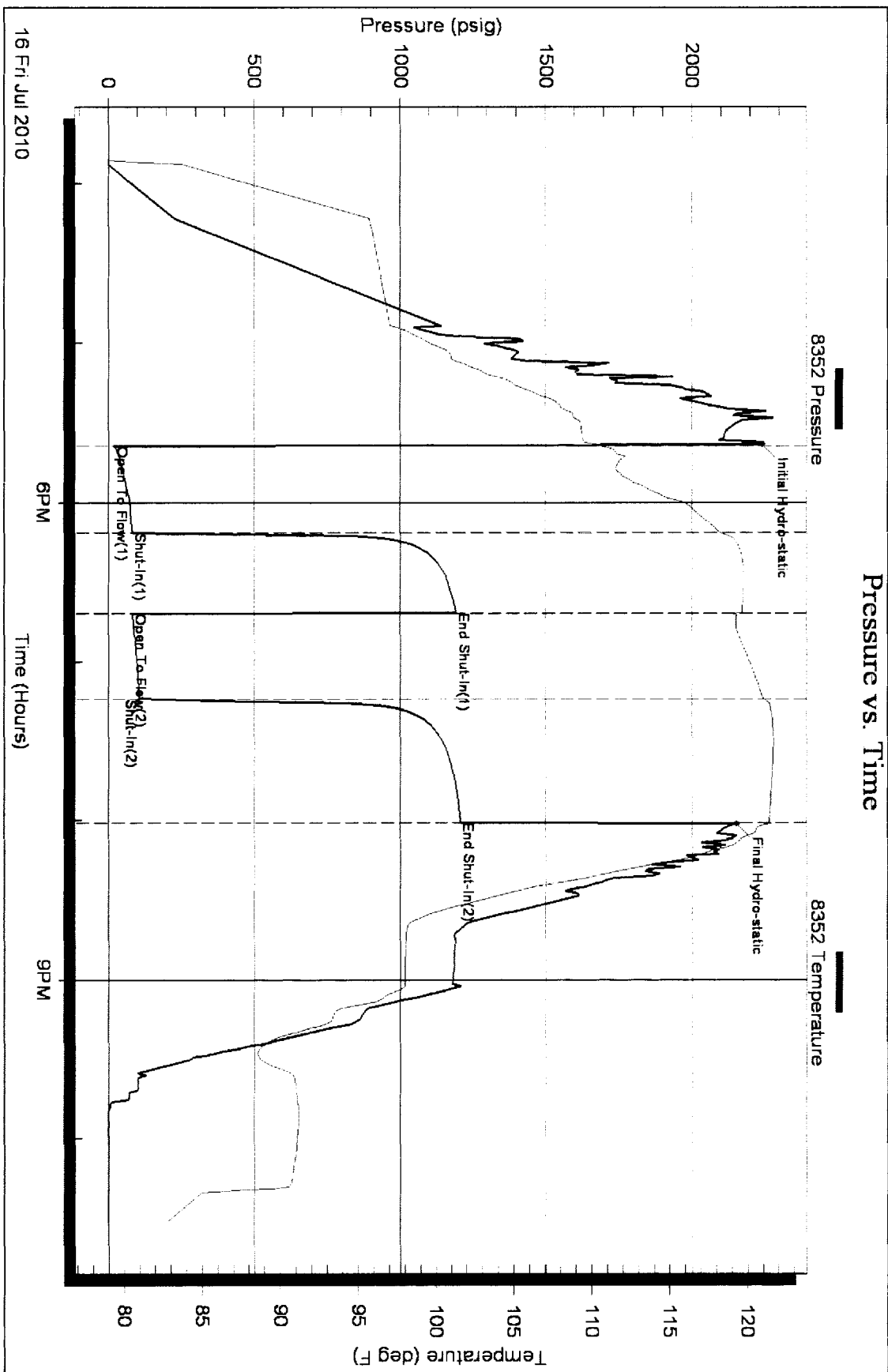
Serial #: 8352

Outside American Warrior

30-19s20w Rush KS

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 36203

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Serial #: 8017

Inside

American Warrior

30-19s20w Rush KS

DST Test Number: 2

