



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Kevin Timson

O'Brate- Beach #1-22

22-25s-31w Finney,KS

Start Date: 2016.09.05 @ 17:01:52

End Date: 2016.09.06 @ 00:13:52

Job Ticket #: 65509 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.09.08 @ 08:44:54

American Warrior Inc

22-25s-31w Finney,KS

O'Brate- Beach #1-22

DST # 1

Marmaton A

2016.09.05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
 3118 Cummings Rd
 Garden City, KS 67846
 ATTN: Kevin Timson

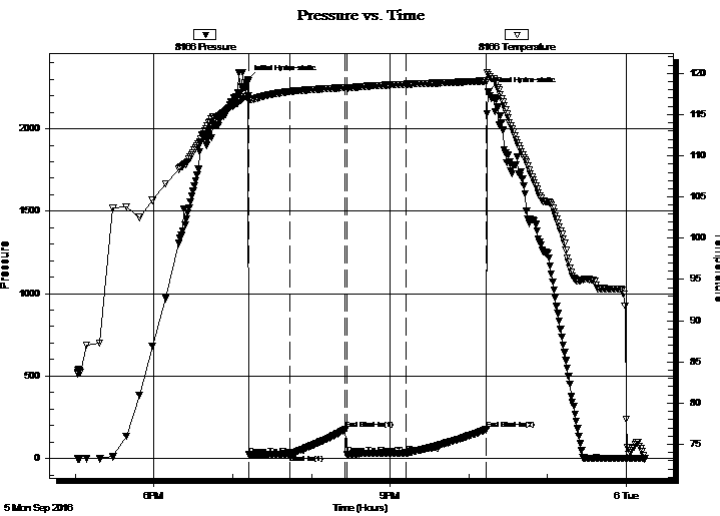
22-25s-31w Finney, KS
O'Brate- Beach #1-22
 Job Ticket: 65509 **DST#: 1**
 Test Start: 2016.09.05 @ 17:01:52

GENERAL INFORMATION:

Formation: **Marmaton A**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 19:12:22 Tester: Brandon Turley
 Time Test Ended: 00:13:52 Unit No: 79
 Interval: **4460.00 ft (KB) To 4531.00 ft (KB) (TVD)** Reference Elevations: 2809.00 ft (KB)
 Total Depth: 4531.00 ft (KB) (TVD) 2797.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8166 Outside
 Press@RunDepth: 32.27 psig @ 4461.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.09.05 End Date: 2016.09.06 Last Calib.: 2016.09.06
 Start Time: 17:01:57 End Time: 00:13:51 Time On Btm: 2016.09.05 @ 19:11:22
 Time Off Btm: 2016.09.05 @ 22:14:52

TEST COMMENT: IF: BOB in 28 min.
 IS: No return.
 FF: BOB in 12 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2296.90	117.27	Initial Hydro-static
1	21.95	116.64	Open To Flow (1)
33	25.67	117.80	Shut-In(1)
75	175.44	118.27	End Shut-In(1)
76	25.19	118.23	Open To Flow (2)
121	32.27	118.68	Shut-In(2)
182	176.11	119.08	End Shut-In(2)
184	2225.85	119.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	ocm 10%o 90%m	0.56
0.00	461 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

22-25s-31w Finney, KS

O'Brate- Beach #1-22

Job Ticket: 65509

DST#: 1

Test Start: 2016.09.05 @ 17:01:52

GENERAL INFORMATION:

Formation: **Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:12:22

Time Test Ended: 00:13:52

Interval: **4460.00 ft (KB) To 4531.00 ft (KB) (TVD)**

Total Depth: 4531.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Reference Elevations: 2809.00 ft (KB)

2797.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8875 Inside

Press@RunDepth: psig @ 4461.00 ft (KB)

Start Date: 2016.09.05

End Date: 2016.09.06

Start Time: 17:01:05

End Time: 00:12:59

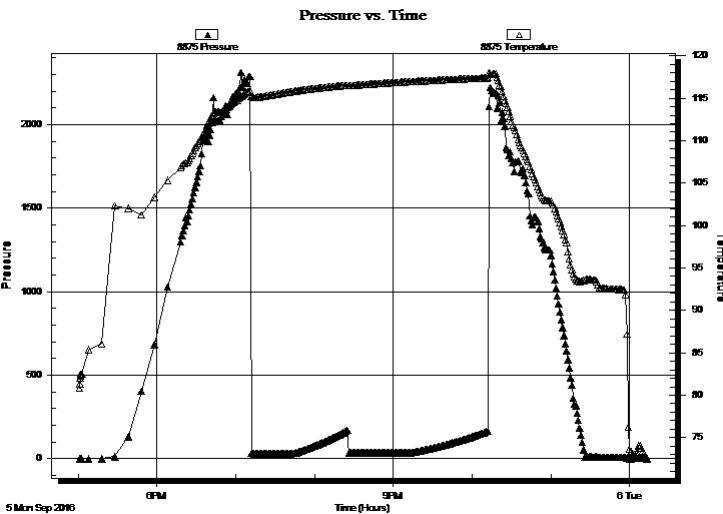
Capacity: 8000.00 psig

Last Calib.: 2016.09.06

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB in 28 min.
IS: No return.
FF: BOB in 12 min.
FS: No return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	ocm 10%o 90% m	0.56
0.00	461 GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

22-25s-31w Finney,KS
O'Brate- Beach #1-22
Job Ticket: 65509 **DST#: 1**
Test Start: 2016.09.05 @ 17:01:52

Tool Information

Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 68000.00 lb
			Total Volume: 62.35 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4460.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 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
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Stubb	1.00			4434.00	
Shut In Tool	5.00			4439.00	
Hydraulic tool	5.00			4444.00	
Jars	5.00			4449.00	
Safety Joint	2.00			4451.00	
Packer	5.00			4456.00	27.00 Bottom Of Top Packer
Packer	4.00			4460.00	
Stubb	1.00			4461.00	
Recorder	0.00	8875	Inside	4461.00	
Recorder	0.00	8166	Outside	4461.00	
Perforations	1.00			4462.00	
Change Over Sub	1.00			4463.00	
Drill Pipe	62.00			4525.00	
Change Over Sub	1.00			4526.00	
Bullnose	5.00			4531.00	71.00 Bottom Packers & Anchor

Total Tool Length: 98.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

22-25s-31w Finney, KS

3118 Cummings Rd
Garden City, KS 67846

O'Brate- Beach #1-22

Job Ticket: 65509

DST#: 1

ATTN: Kevin Timson

Test Start: 2016.09.05 @ 17:01:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
40.00	ocm 10%o 90%m	0.561
0.00	461 GIP	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbf

Num Fluid Samples: 0

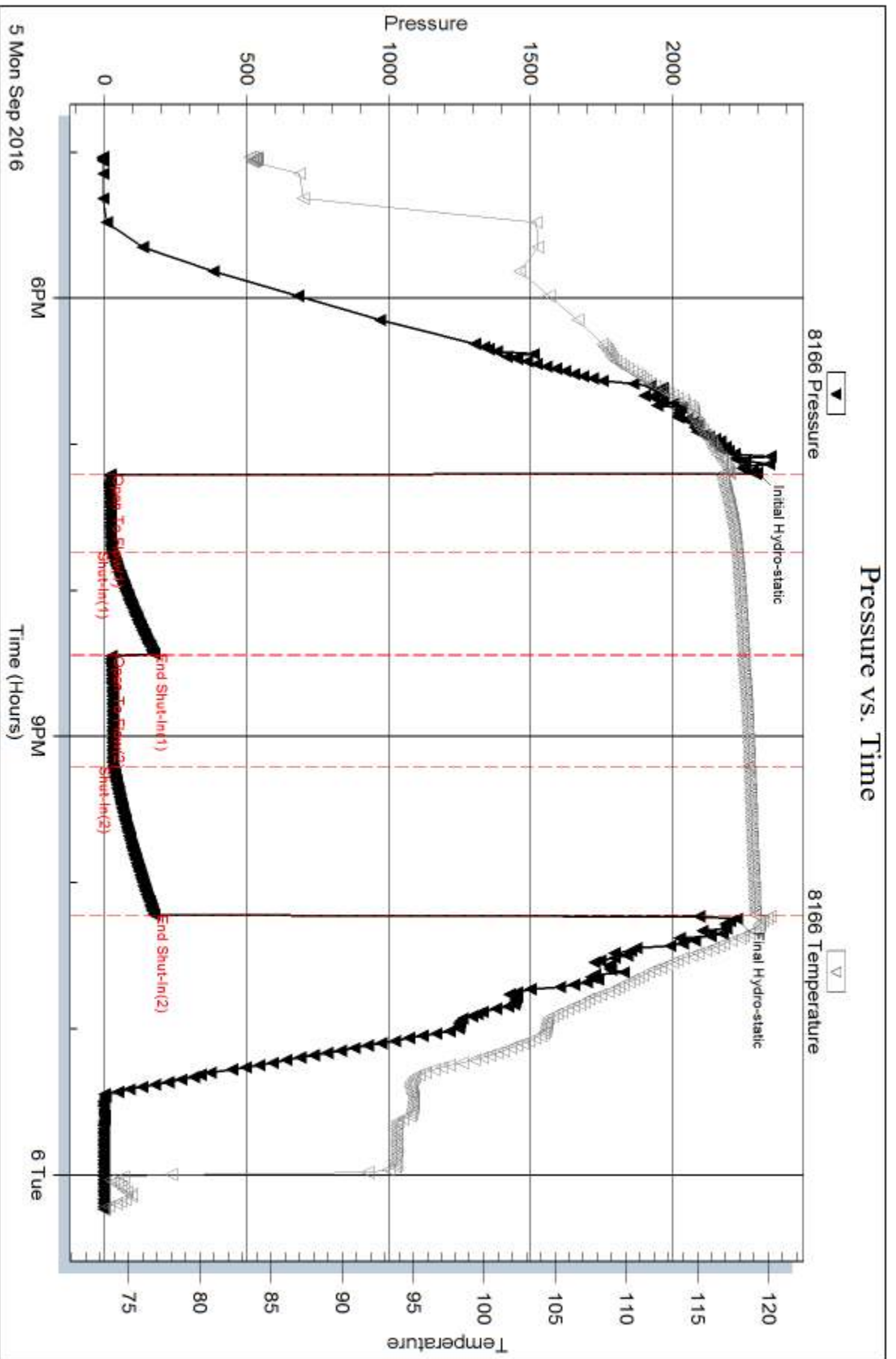
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



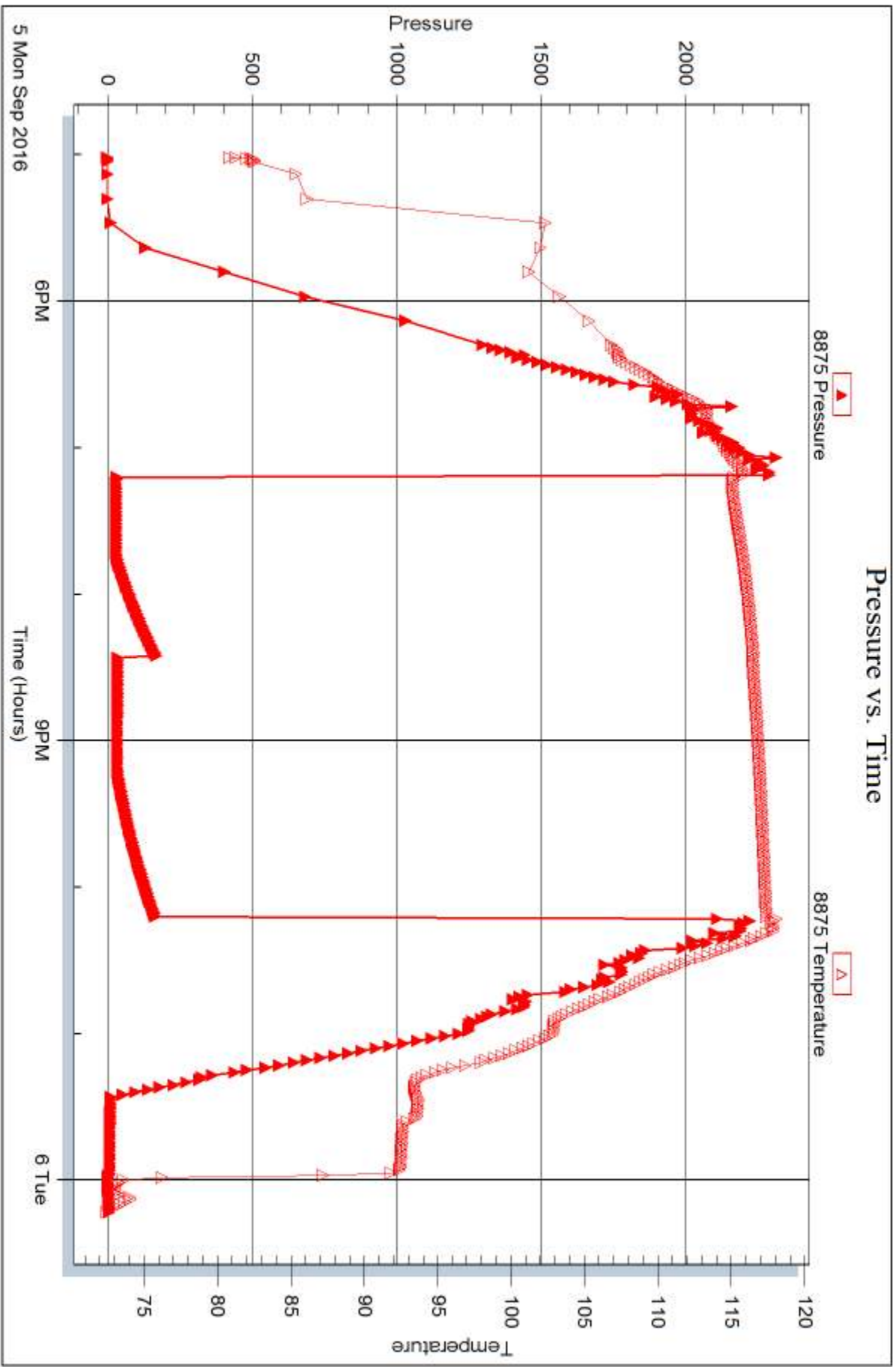
Serial #: 8875

Inside

American Warrior Inc

OBrate- Beach #1-22

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65509

Printed: 2016.09.08 @ 08:44:56



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

3118 Cummings Rd
Garden City, KS 67846

ATTN: Kevin Timson

O'Brate- Beach #1-22

22-25s-31w Finney,KS

Start Date: 2016.09.06 @ 10:24:10

End Date: 2016.09.06 @ 17:56:10

Job Ticket #: 65510 DST #: 2

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

Printed: 2016.09.08 @ 08:44:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

22-25s-31w Finney, KS

O'Brate- Beach #1-22

Job Ticket: 65510 **DST#: 2**

Test Start: 2016.09.06 @ 10:24:10

GENERAL INFORMATION:

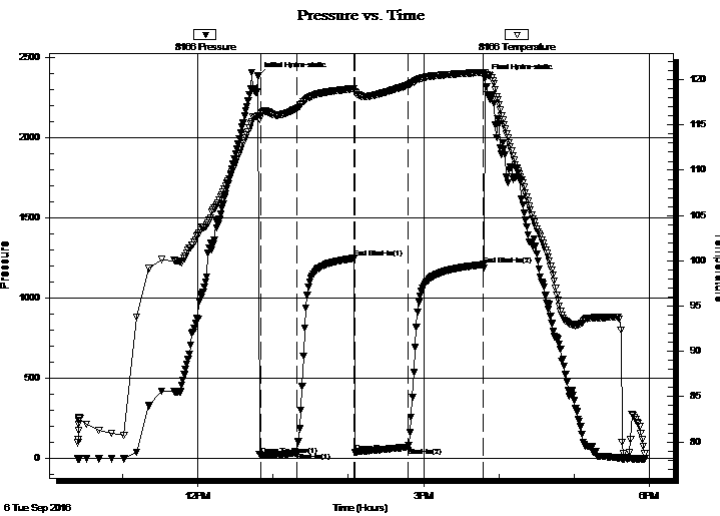
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:50:10
 Time Test Ended: 17:56:10
 Interval: **4570.00 ft (KB) To 4586.00 ft (KB) (TVD)**
 Total Depth: 4586.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2809.00 ft (KB)
 2797.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8166

Outside

Press@RunDepth: 71.88 psig @ 4571.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.09.06 End Date: 2016.09.06 Last Calib.: 2016.09.06
 Start Time: 10:24:15 End Time: 17:56:09 Time On Btm: 2016.09.06 @ 12:48:10
 Time Off Btm: 2016.09.06 @ 15:49:10

TEST COMMENT: IF: BOB in 3 mins.
 IS: Surface blow built to 1 in 45 min.
 FF: BOB in 30 sec.
 FS: BOB in 14 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2383.91	116.06	Initial Hydro-static
2	18.07	116.26	Open To Flow (1)
31	36.95	116.84	Shut-In(1)
76	1247.92	119.02	End Shut-In(1)
77	39.24	118.65	Open To Flow (2)
120	71.88	119.41	Shut-In(2)
180	1209.61	120.81	End Shut-In(2)
181	2368.81	120.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mcw 90%w 10%m	0.88
103.00	go 20%g 80%o	1.44
0.00	4126 GIP	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
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

22-25s-31w Finney, KS
O'Brate- Beach #1-22
Job Ticket: 65510 **DST#: 2**
Test Start: 2016.09.06 @ 10:24:10

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:50:10

Time Test Ended: 17:56:10

Interval: 4570.00 ft (KB) To 4586.00 ft (KB) (TVD)

Total Depth: 4586.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79

Reference Elevations: 2809.00 ft (KB)
2797.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8875 Inside

Press@RunDepth: psig @ 4571.00 ft (KB)

Start Date: 2016.09.06 End Date: 2016.09.06

Start Time: 10:24:26 End Time: 17:56:20

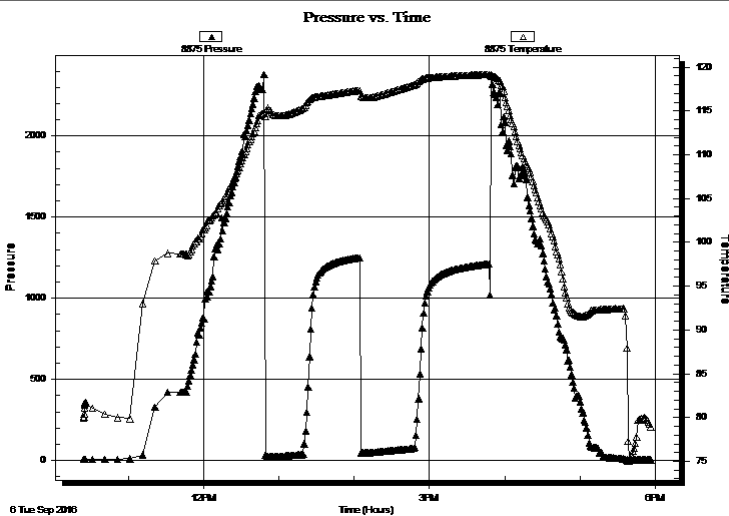
Capacity: 8000.00 psig

Last Calib.: 2016.09.06

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB in 3 mins.
IS: Surface blow built to 1 in 45 min.
FF: BOB in 30 sec.
FS: BOB in 14 mins.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mcw 90%w 10%m	0.88
103.00	go 20%g 80%o	1.44
0.00	4126 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
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

22-25s-31w Finney,KS
O'Brate- Beach #1-22
Job Ticket: 65510 **DST#: 2**
Test Start: 2016.09.06 @ 10:24:10

Tool Information

Drill Pipe:	Length: 4568.00 ft	Diameter: 3.80 inches	Volume: 64.08 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 64.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4570.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	43.00 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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Stubb	1.00			4544.00	
Shut In Tool	5.00			4549.00	
Hydraulic tool	5.00			4554.00	
Jars	5.00			4559.00	
Safety Joint	2.00			4561.00	
Packer	5.00			4566.00	27.00 Bottom Of Top Packer
Packer	4.00			4570.00	
Stubb	1.00			4571.00	
Recorder	0.00	8875	Inside	4571.00	
Recorder	0.00	8166	Outside	4571.00	
Perforations	10.00			4581.00	
Bullnose	5.00			4586.00	16.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc
3118 Cummings Rd
Garden City, KS 67846
ATTN: Kevin Timson

22-25s-31w Finney, KS
O'Brate- Beach #1-22
Job Ticket: 65510 **DST#: 2**
Test Start: 2016.09.06 @ 10:24:10

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	30 deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	26000 ppm
Viscosity:	64.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	9.19 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

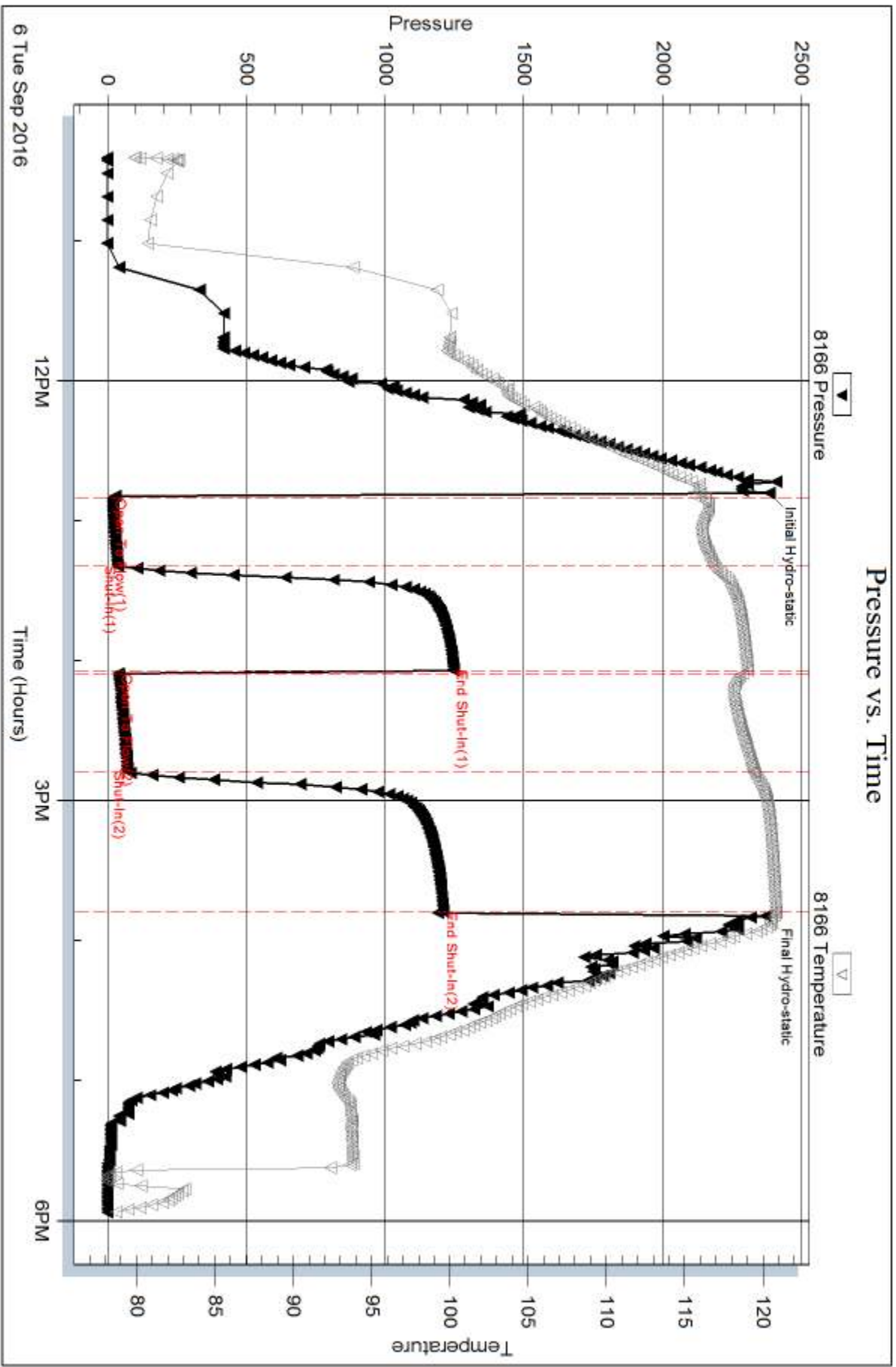
Length ft	Description	Volume bbbl
63.00	mcw 90%w 10%m	0.884
103.00	go 20%g 80%o	1.445
0.00	4126 GIP	0.000

Total Length: 166.00 ft Total Volume: 2.329 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: 33@90=30
.20@90=26000



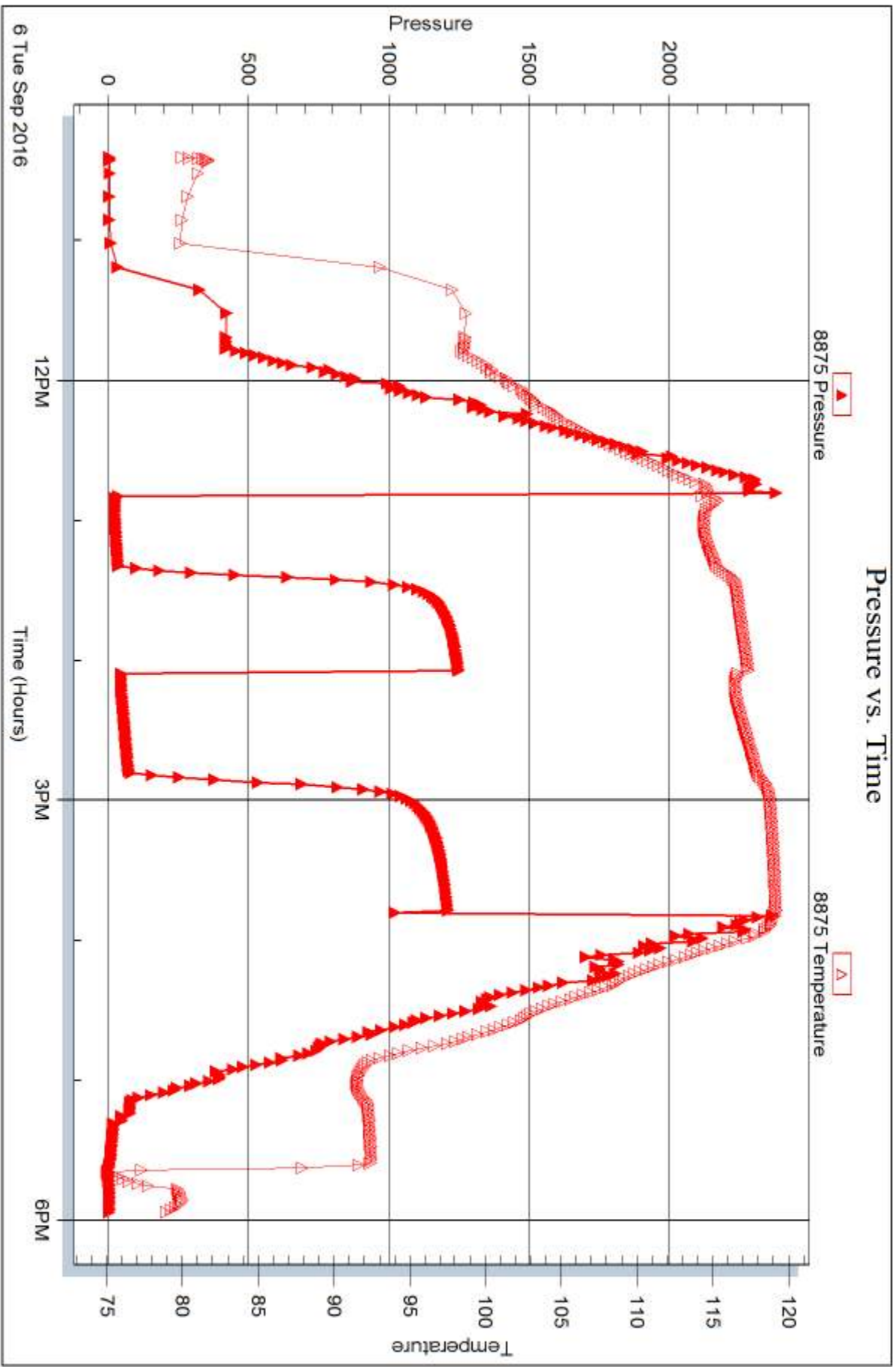
Serial #: 8875

Inside

American Warrior Inc

OBrate- Beach #1-22

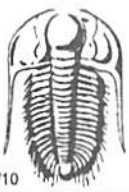
DST Test Number: 2



Triobite Testing, Inc

Ref. No: 65510

Printed: 2016.09.08 @ 08:44:14



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65509**

Well Name & No. o Brate - Berch # 1-22 Test No. 1 Date 9-5-16
 Company American Warrior Inc Elevation 2809 KB 2797 GL
 Address 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Kevin FIMSON Rig Duke #1
 Location: Sec. 22 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4460 4531 Zone Tested Maxmorton A
 Anchor Length 71 Drill Pipe Run 4445 Mud Wt. 9.5
 Top Packer Depth 4455 Drill Collars Run — Vis 54
 Bottom Packer Depth 4460 Wt. Pipe Run — WL 8.8
 Total Depth 4531 Chlorides 2800 ppm System LCM 2

Blow Description IF: BoB in 28 min.
IS: No return.
FF: BoB in 12 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>ocm</u>	<u>10</u>		<u>90</u>	
	<u>461 GIP</u>				

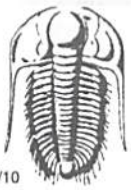
Rec Total 40 BHT 119 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic 2296 Test 1150 T-On Location 16:00
 (B) First Initial Flow 21 Jars 250 T-Started 17:01
 (C) First Final Flow 25 Safety Joint 75 T-Open 19:12
 (D) Initial Shut-In 175 Circ Sub — T-Pulled 22:12
 (E) Second Initial Flow 25 Hourly Standby — T-Out 00:15
 (F) Second Final Flow 32 Mileage 112 - 84 Comments —
 (G) Final Shut-In 176 Sampler —
 (H) Final Hydrostatic 2225 Straddle —
 Shale Packer —
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —
 Sub Total 1559

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

Sub Total 0
 Total 1559
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65510**

Well Name & No. O Bratte - Berch #1-22 Test No. 2 Date 9-6-16
 Company American Warrior Inc Elevation 2809 KB 2797 GL
 Address _____
 Co. Rep / Geo. Kevin Timson Rig Duke #1
 Location: Sec. 22 Twp. 25 Rge. 31 Co. Finney State KS

Interval Tested 4570 4586 Zone Tested Pawnee
 Anchor Length 16 Drill Pipe Run 4588 Mud Wt. 9.5
 Top Packer Depth 4565 Drill Collars Run — Vis 64
 Bottom Packer Depth 4570 Wt. Pipe Run — WL 9.2
 Total Depth 4586 Chlorides 3500 ppm System LCM 2

Blow Description IF: BoB in 3 min.
FS: Surface blow built to 1 in 45 min.
FF: BoB in 30 sec.
FS: BoB in 14 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>103</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>63</u>	<u>MCW</u>			<u>90</u>	<u>10</u>
	<u>4126 GFP</u>				

Rec Total 166 BHT 120 Gravity 30 API RW .20 @ 90 ° F Chlorides 26,000 ppm

(A) Initial Hydrostatic <u>2383</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>10:15</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>10:24</u>
(C) First Final Flow <u>36</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>12:49</u>
(D) Initial Shut-In <u>1247</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>15:49</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>18:00</u>
(F) Second Final Flow <u>71</u>	<input checked="" type="checkbox"/> Mileage <u>112-x2</u> <u>168</u>	Comments _____
(G) Final Shut-In <u>1209</u>	<input type="checkbox"/> Sampler _____	<u>loaded tools 9/7 23:40</u>
(H) Final Hydrostatic <u>2368</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
	<input type="checkbox"/> Day Standby _____	Total <u>1643</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1643</u>	

Approved By _____ Our Representative

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.