



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

O'Brate FLB #2-29

29-25s-31w Finney,KS

Start Date: 2016.10.13 @ 12:21:00

End Date: 2016.10.13 @ 20:20:00

Job Ticket #: 63004 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.10.17 @ 09:59:38

American Warrior Inc
29-25s-31w Finney,KS
O'Brate FLB #2-29
DST # 1
Marmaton
2016.10.13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior Inc

29-25s-31w Finney, KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63004

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.10.13 @ 12:21:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:38:00

Time Test Ended: 20:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 4468.00 ft (KB) To 4535.00 ft (KB) (TVD)

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4535.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 113.47 psig @ 4471.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.13

End Date: 2016.10.13

Last Calib.: 2016.10.13

Start Time: 12:21:02

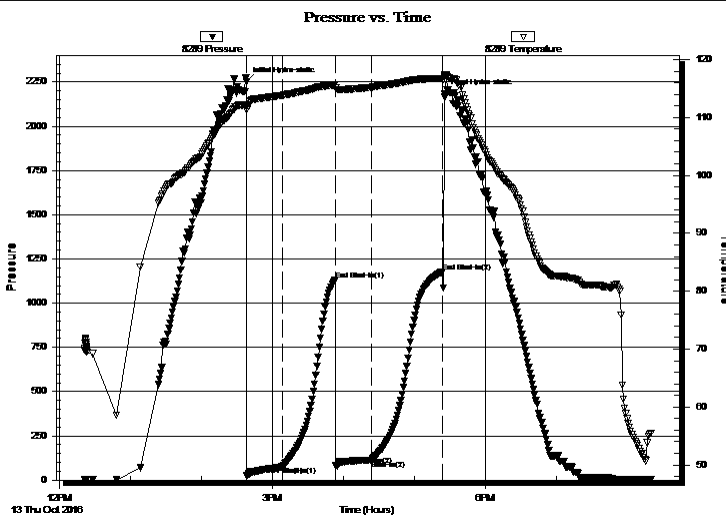
End Time: 20:20:00

Time On Btm: 2016.10.13 @ 14:37:45

Time Off Btm: 2016.10.13 @ 17:24:45

TEST COMMENT: 30-IFP- BOB in 9 1/2 min.
45-ISIP- Surface Blow in 3 min
30-FFP- BOB in 45 sec.
60-FSIP- Surface Blow Building to 1 3/4" In 5 min.

PRESSURE SUMMARY



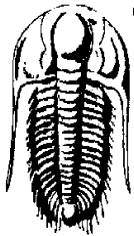
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2249.85	112.06	Initial Hydro-static
1	25.19	111.35	Open To Flow (1)
31	75.39	113.83	Shut-In(1)
75	1130.67	115.48	End Shut-In(1)
76	83.22	115.07	Open To Flow (2)
106	113.47	115.19	Shut-In(2)
166	1178.21	116.70	End Shut-In(2)
167	2185.45	117.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 70%g 15%o 15%m	0.30
62.00	GOCM 15%g 25%o 60%m	0.30
62.00	GOCM 40%g 10%o 50%m	0.30
14.00	OCM 5%o 95%m	0.07
0.00	434 GIP	0.00

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: Luke Thompson

29-25s-31w Finney,KS

O'Brate FLB #2-29

Job Ticket: 63004 **DST#: 1**
 Test Start: 2016.10.13 @ 12:21:00

GENERAL INFORMATION:

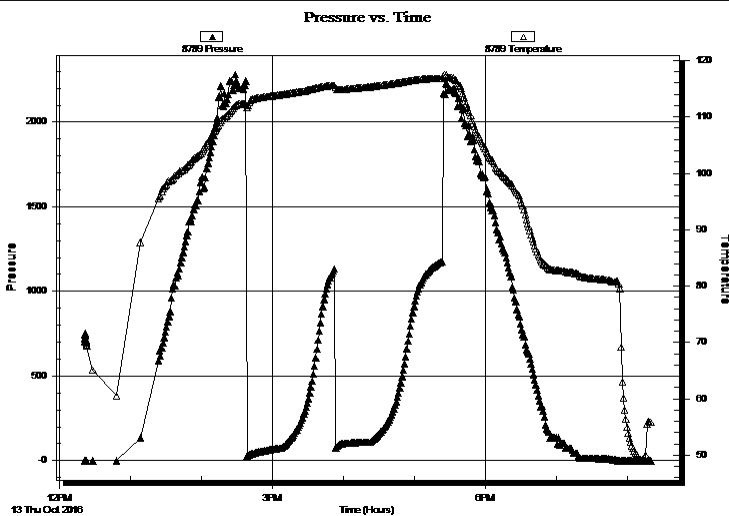
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:38:00
 Time Test Ended: 20:20:00
 Interval: **4468.00 ft (KB) To 4535.00 ft (KB) (TVD)**
 Total Depth: 4535.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2855.00 ft (KB)
 2844.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8789

Inside

Press @RunDepth: psig @ 4471.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.13 End Date: 2016.10.13 Last Calib.: 2016.10.13
 Start Time: 12:21:02 End Time: 20:19:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 9 1/2 min.
 45-ISIP- Surface Blow in 3 min
 30-FFP- BOB in 45 sec.
 60-FSIP- Surface Blow Building to 1 3/4" In 5 min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 70%g 15%o 15%m	0.30
62.00	GOCM 15%g 25%o 60%m	0.30
62.00	GOCM 40%g 10%o 50%m	0.30
14.00	OCM 5%o 95%m	0.07
0.00	434 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

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63004

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.10.13 @ 12:21:00

Tool Information

Drill Pipe:	Length: 4200.00 ft	Diameter: 3.80 inches	Volume: 58.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 60.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4468.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	95.00 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			4441.00	
Shut In Tool	5.00			4446.00	
Hydraulic tool	5.00			4451.00	
Jars	5.00			4456.00	
Safety Joint	2.00			4458.00	
Packer	5.00			4463.00	28.00 Bottom Of Top Packer
Packer	5.00			4468.00	
Stubb	1.00			4469.00	
Perforations	1.00			4470.00	
Change Over Sub	1.00			4471.00	
Recorder	0.00	8789	Inside	4471.00	
Recorder	0.00	8289	Outside	4471.00	
Blank Spacing	31.00			4502.00	
Change Over Sub	1.00			4503.00	
Perforations	29.00			4532.00	
Bullnose	3.00			4535.00	67.00 Bottom Packers & Anchor
Total Tool Length:	95.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63004

DST#: 1

ATTN: Luke Thompson

Test Start: 2016.10.13 @ 12:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GOCM 70%g 15%o 15%m	0.305
62.00	GOCM 15%g 25%o 60%m	0.305
62.00	GOCM 40%g 10%o 50%m	0.305
14.00	OCM 5%o 95%m	0.069
0.00	434 GIP	0.000

Total Length: 200.00 ft

Total Volume: 0.984 bbl

Num Fluid Samples: 0

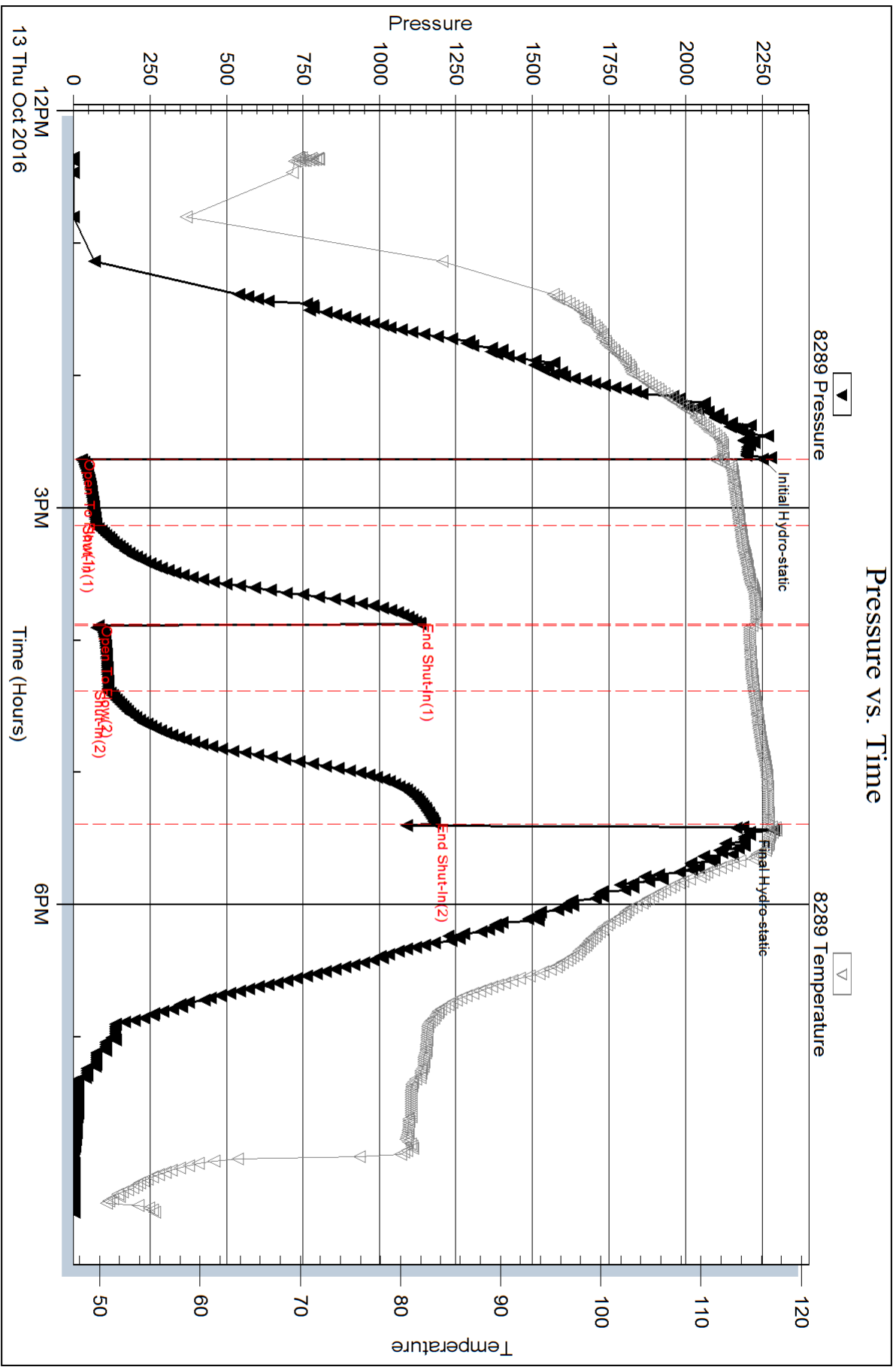
Num Gas Bombs: 0

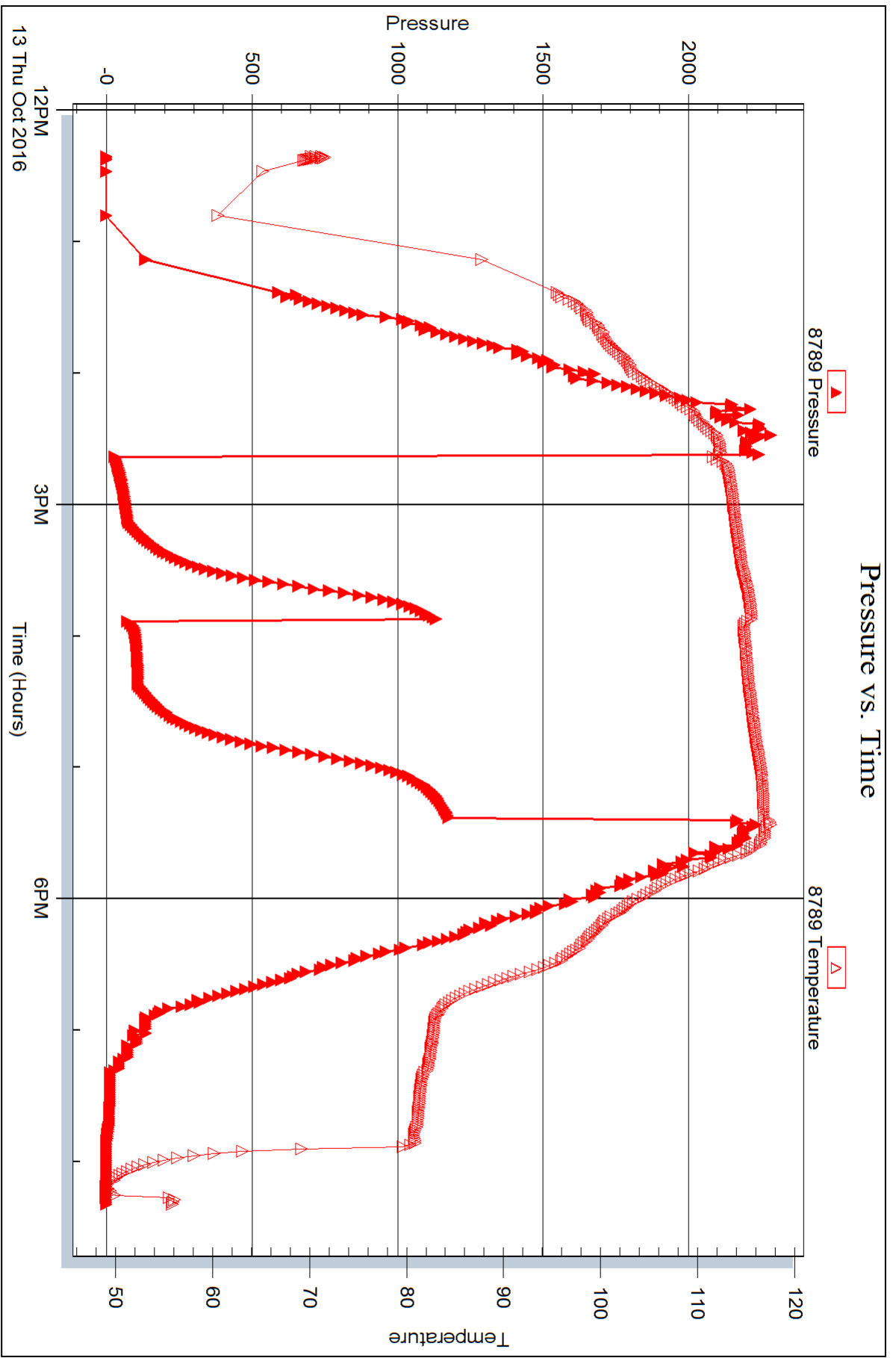
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399
Garden City KS 67846

ATTN: Luke Thompson

O'Brate FLB #2-29

29-25s-31w Finney,KS

Start Date: 2016.10.14 @ 14:00:00

End Date: 2016.10.14 @ 22:47:00

Job Ticket #: 63005 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.10.17 @ 09:58:54



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc

29-25s-31w Finney, KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63005

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.10.14 @ 14:00:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:30

Time Test Ended: 22:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4602.00 ft (KB) To 4635.00 ft (KB) (TVD)

Reference Elevations: 2855.00 ft (KB)

Total Depth: 4635.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 120.48 psig @ 4603.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.14

End Date:

2016.10.14

Last Calib.: 2016.10.14

Start Time: 14:00:02

End Time:

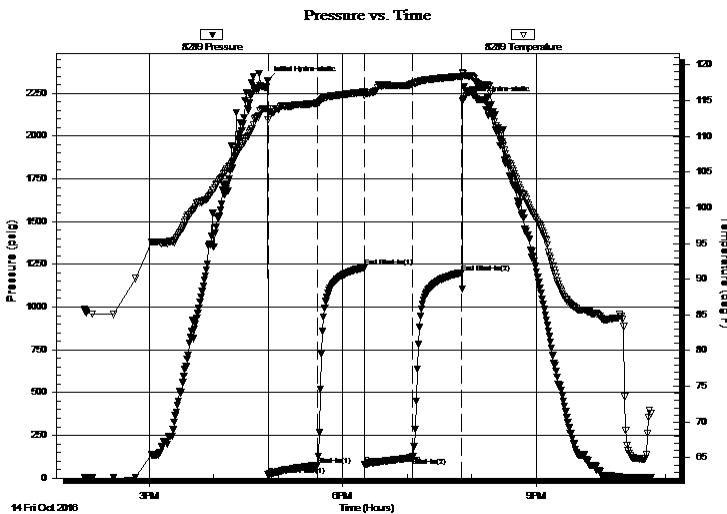
22:47:00

Time On Btm: 2016.10.14 @ 16:50:15

Time Off Btm: 2016.10.14 @ 19:51:30

TEST COMMENT: 45-IFP- Surface Blow Building to 2 1/2"
45-ISIP- No Blow
45-FFP- Surface Blow in 14 min. Building to 1"
45-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.95	113.85	Initial Hydro-static
1	19.05	112.31	Open To Flow (1)
46	75.93	114.64	Shut-In(1)
90	1231.87	116.17	End Shut-In(1)
90	82.64	115.68	Open To Flow (2)
135	120.48	117.30	Shut-In(2)
181	1201.20	118.37	End Shut-In(2)
182	2206.52	118.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
225.00	Oil Speck MCW 35% m 65% w	1.11

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior Inc
PO Box 399
Garden City KS 67846
ATTN: Luke Thompson

29-25s-31w Finney, KS
O'Brate FLB #2-29
Job Ticket: 63005 **DST#: 2**
Test Start: 2016.10.14 @ 14:00:00

GENERAL INFORMATION:

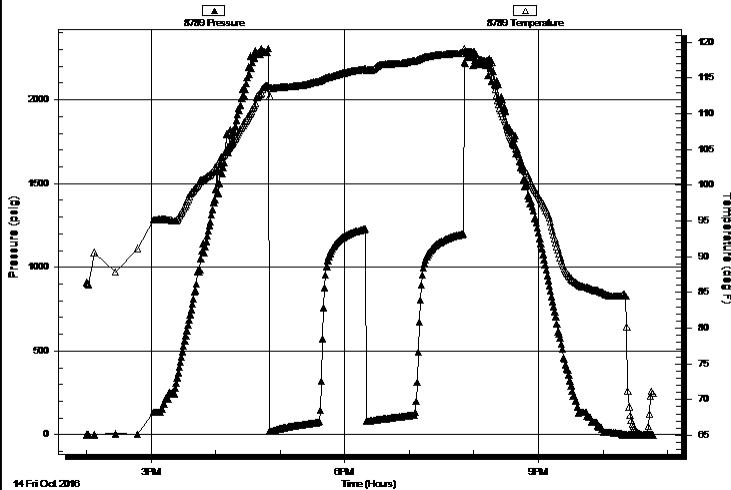
Formation: **Ft. Scott**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 16:50:30 Tester: Jim Svaty
Time Test Ended: 22:47:00 Unit No: 76
Interval: 4602.00 ft (KB) To 4635.00 ft (KB) (TVD) Reference Elevations: 2855.00 ft (KB)
Total Depth: 4635.00 ft (KB) (TVD) 2844.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 8789 Inside

Press @ Run Depth: psig @ 4603.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.10.14 End Date: 2016.10.14 Last Calib.: 2016.10.14
Start Time: 14:00:02 End Time: 22:46:45 Time On Btm:
Time Off Btm:

TEST COMMENT: 45-IFP- Surface Blow Building to 2 1/2"
45-ISIP- No Blow
45-FFP- Surface Blow in 14 min. Building to 1"
45-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
225.00	Oil Speck MCW 35%w 65%w	1.11

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

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63005

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.10.14 @ 14:00:00

Tool Information

Drill Pipe:	Length: 4357.00 ft	Diameter: 3.80 inches	Volume: 61.12 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 79000.00 lb
			<u>Total Volume: 62.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4602.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			4575.00	
Shut In Tool	5.00			4580.00	
Hydraulic tool	5.00			4585.00	
Jars	5.00			4590.00	
Safety Joint	2.00			4592.00	
Packer	5.00			4597.00	28.00 Bottom Of Top Packer
Packer	5.00			4602.00	
Stubb	1.00			4603.00	
Recorder	0.00	8789	Inside	4603.00	
Recorder	0.00	8289	Outside	4603.00	
Perforations	29.00			4632.00	
Bullnose	3.00			4635.00	33.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior Inc

29-25s-31w Finney,KS

PO Box 399
Garden City KS 67846

O'Brate FLB #2-29

Job Ticket: 63005

DST#: 2

ATTN: Luke Thompson

Test Start: 2016.10.14 @ 14:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
225.00	Oil Speck MCW 35% _m 65% _w	1.107

Total Length: 225.00 ft Total Volume: 1.107 bbf

Num Fluid Samples: 0

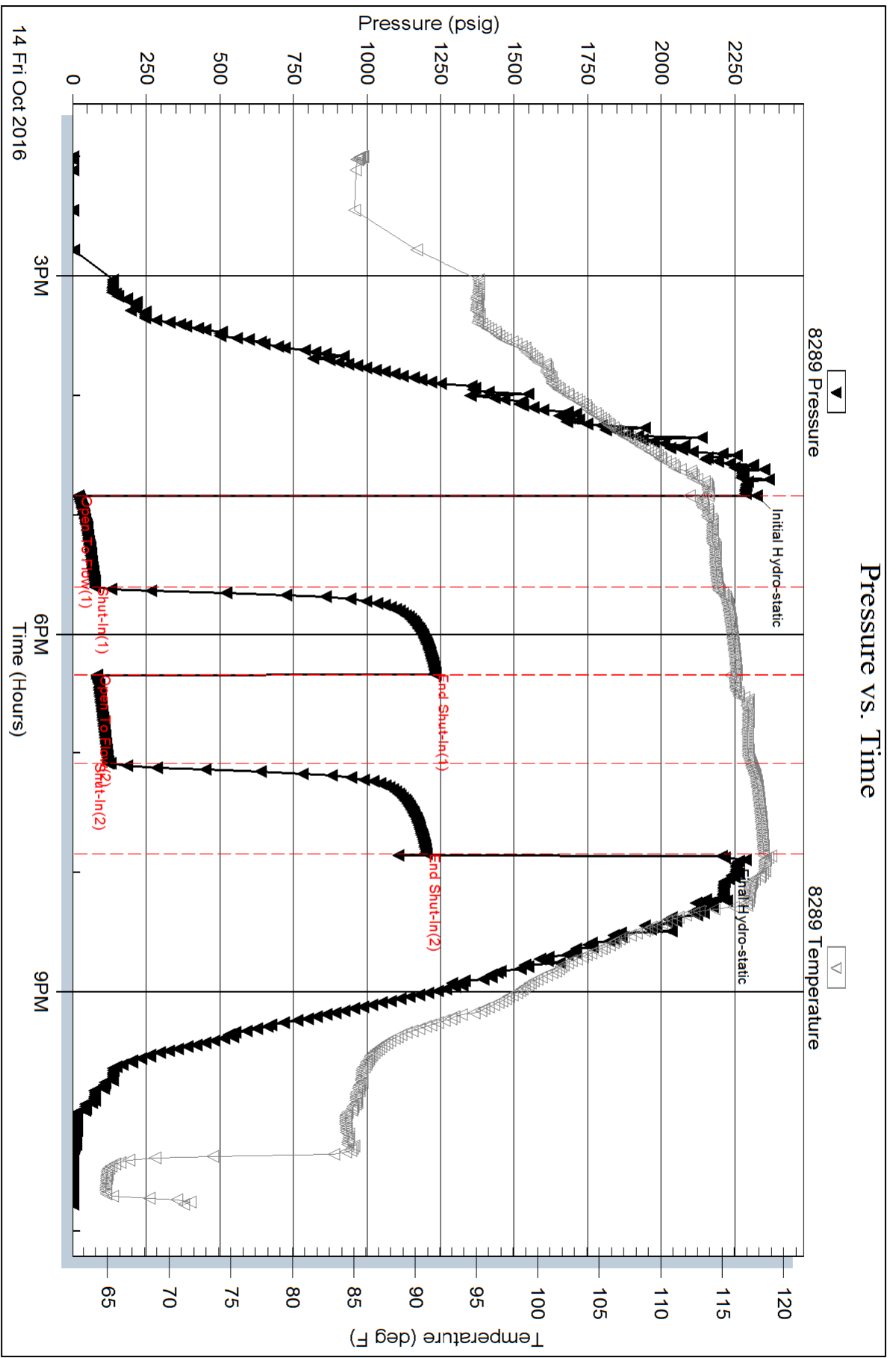
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .170 @ 68



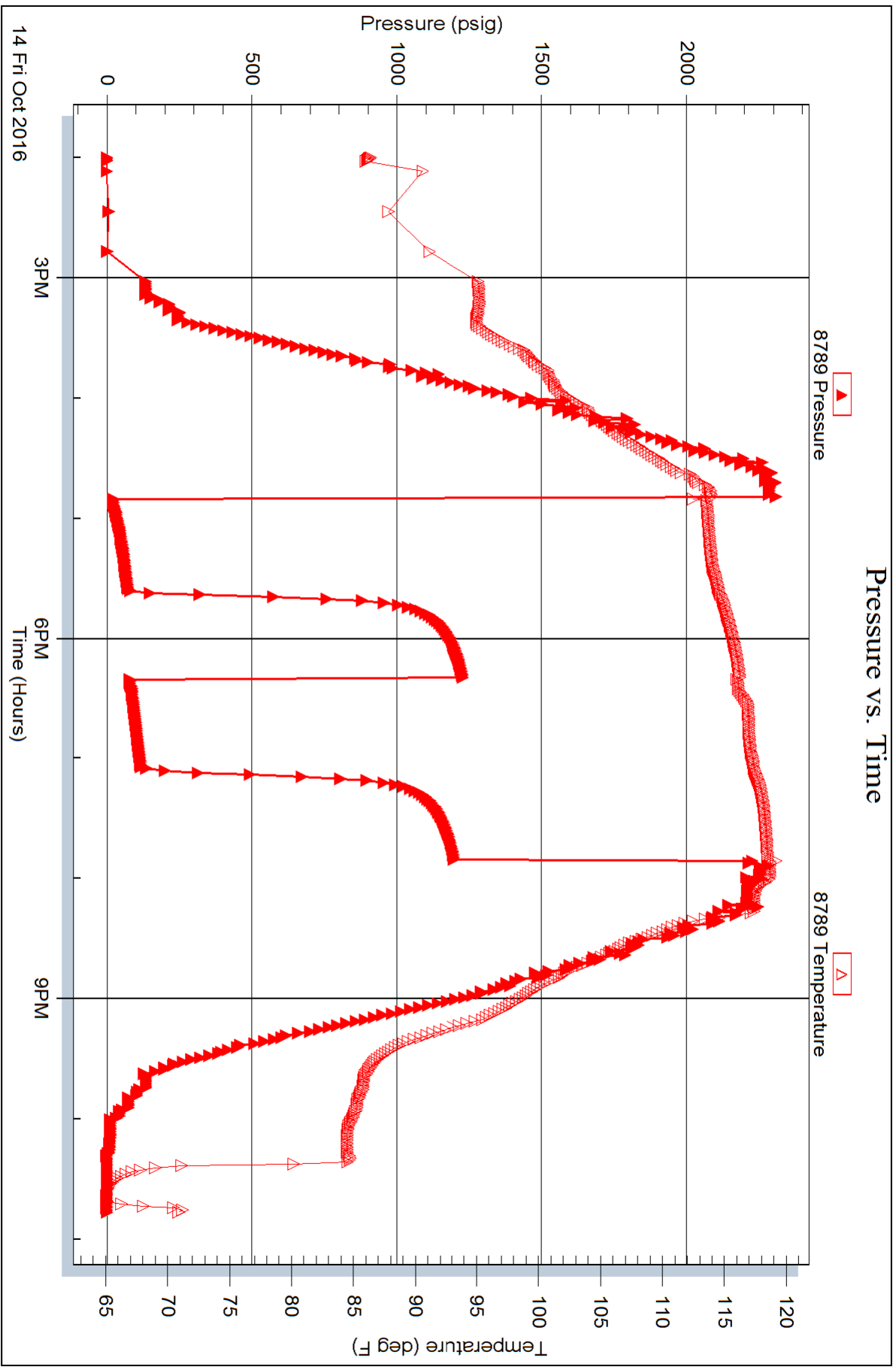
Serial #: 8789

Inside

American Warrior Inc

OBrate FLB #2-29

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63004

Well Name & No. O'Brate FLB 2-29 Test No. 1 Date 10-13-16
 Company American Warriors Inc Elevation 2855 KB 2844 GL
 Address 3118 Cummings Rd Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke 5
 Location: Sec. 29 Twp. 25^s Rge. 31^w Co. FINNEN State KS

Interval Tested 4468-4535 Zone Tested Marmaton
 Anchor Length 67 Drill Pipe Run 4200 Mud Wt. 9.35
 Top Packer Depth 4463 Drill Collars Run 248 Vis 50
 Bottom Packer Depth 4468 Wt. Pipe Run 0 WL 8.8
 Total Depth 4535 Chlorides 1800 ppm System LCM 2

Blow Description IFP- BOB in 9 1/2 min.
ISIP- Surface Blow in 3 min. ~~XXXXXXXXXXXXXXXXXXXX~~
FFP- BOB in 45 sec.
FSIP- Surface Blow Building to 1 3/4 in. In 5 min

Rec	Feet of	%gas	%oil	%water	%mud
62	20cm	70	15	15	
62	20cm	15	25	60	
62	20cm	40	10	50	
14	0cm		5	95	

Rec Total 200 BHT 117 Gravity (434 MIP) API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2249
 (B) First Initial Flow 25
 (C) First Final Flow 75
 (D) Initial Shut-In 1130
 (E) Second Initial Flow 83
 (F) Second Final Flow 113
 (G) Final Shut-In 1178
 (H) Final Hydrostatic 2185

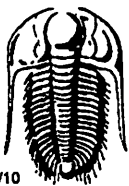
Test 1150 T-On Location 11:25
 Jars 250 T-Started 12:21
 Safety Joint 75 T-Open 14:38
 Circ Sub T-Pulled 17:23
 Hourly Standby T-Out 20:20

Mileage 336 RT 105 rt Comments _____
 Sampler 78.75 _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1553.75 MP/DST Disc't _____

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

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. 63005

Well Name & No. O'Brate FLB 2-29 Test No. 2 Date 10-14-16
 Company American Warrior Inc. Elevation 2855 KB 2844 GL
 Address 3118 Cummings Rd Box 399 Garden City KS 67846
 Co. Rep / Geo. Luke Thompson Rig Duke 5
 Location: Sec. 29 Twp. 25^s Rge. 31^w Co. Finney State KS

Interval Tested 4602-4635 Zone Tested Ft. Scott
 Anchor Length 33 Drill Pipe Run 4357 Mud Wt. 9.45
 Top Packer Depth 4597 Drill Collars Run 248 Vis 55
 Bottom Packer Depth 4602 Wt. Pipe Run 0 WL 7.6
 Total Depth 4635 Chlorides 2300 ppm System LCM 2

Blow Description IFP - Surface Blow Building to 2 1/2 in.
ISIP - No Blow
FFP - Surface Blow in 14 min. Building to 1 in.
FSIP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>225</u>	<u>Oil Speck MCW</u>		<u>65</u>	<u>35</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 225 BHT 118 Gravity _____ API RW 170 @ 68 °F Chlorides 42000 ppm
 (A) Initial Hydrostatic 2324 Test 1150 T-On Location 13:15
 (B) First Initial Flow 19 Jars 250 T-Started 14:00
 (C) First Final Flow 75 Safety Joint 75 T-Open 16:50
 (D) Initial Shut-In 1231 Circ Sub _____ T-Pulled 19:50
 (E) Second Initial Flow 82 Hourly Standby _____ T-Out 22:47
 (F) Second Final Flow 120 Mileage 78.75 Comments _____
 (G) Final Shut-In 1201 Sampler _____
 (H) Final Hydrostatic 2206. Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1553.75
 Sub Total 1553.75
 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.