



DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc.**

PO .Box 399
Garden City, KS 67846

ATTN: Clint Musgrove

Hoelscher #3-10

10-1`8s-10w Rice,KS

Start Date: 2014.10.21 @ 01:15:00

End Date: 2014.10.21 @ 08:37:30

Job Ticket #: 60389 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.23 @ 08:39:13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior Inc.
 PO Box 399
 Garden City, KS 67846
 ATTN: Clint Musgrove

10-1'8s-10w Rice, KS
Hoelscher #3-10
 Job Ticket: 60389 **DST#: 1**
 Test Start: 2014.10.21 @ 01:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:28:00
 Time Test Ended: 08:37:30
 Interval: **3216.00 ft (KB) To 3286.00 ft (KB) (TVD)**
 Total Depth: 3286.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: S4
 Reference Elevations: 1793.00 ft (KB)
 1785.00 ft (CF)
 KB to GR/CF: 8.00 ft

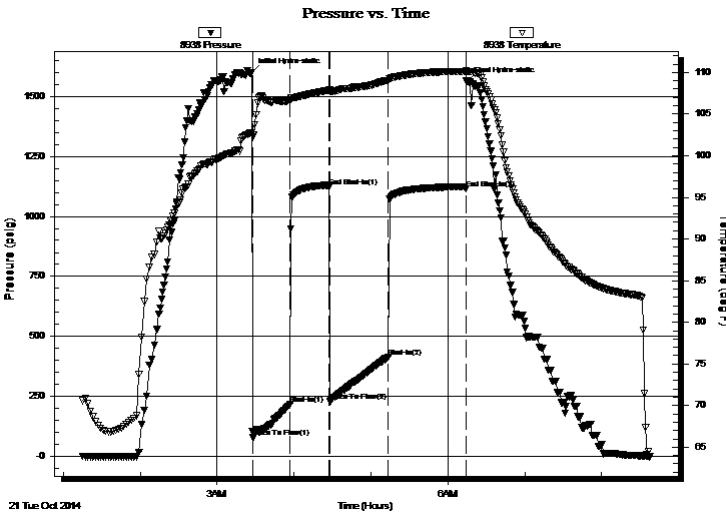
Serial #: 8938

Inside

Press@RunDepth: 413.97 psig @ 3282.36 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.21 End Date: 2014.10.21 Last Calib.: 2014.10.21
 Start Time: 01:15:00 End Time: 08:37:30 Time On Btm: 2014.10.21 @ 03:27:00
 Time Off Btm: 2014.10.21 @ 06:15:00

TEST COMMENT: IFP 30 Minutes BOB in 9 minutes
 ISI 30 Minutes No blow back
 FFP 45 Minutes BOB in 7 minutes
 FSI 60 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1599.37	102.78	Initial Hydro-static
1	78.93	102.47	Open To Flow (1)
30	217.94	106.62	Shut-In(1)
61	1125.68	107.87	End Shut-In(1)
61	230.33	107.68	Open To Flow (2)
107	413.97	109.07	Shut-In(2)
167	1114.88	110.14	End Shut-In(2)
168	1563.99	110.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Oil cut mud 2% Gas 24% Oil 74% Mud	1.26
90.00	Heavy oil cut mud 3% Gas 43% Oil 74% M	1.26
750.00	Clean gassy oil 15% Gas 85% Oil	10.52

Gas Rates

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



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Garden City, KS 67846
ATTN: Clint Musgrove

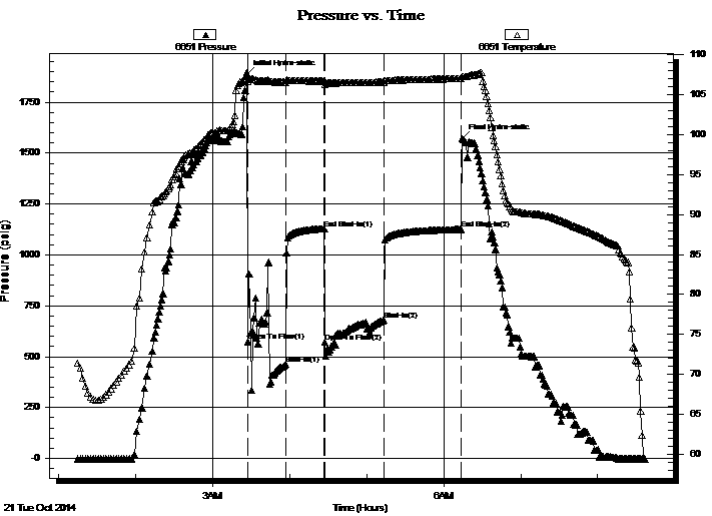
10-1'8s-10w Rice,KS
Hoelscher #3-10
Job Ticket: 60389 **DST#: 1**
Test Start: 2014.10.21 @ 01:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:28:00
Time Test Ended: 08:37:30
Interval: **3216.00 ft (KB) To 3286.00 ft (KB) (TVD)**
Total Depth: 3286.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:
Test Type: Conventional Bottom Hole (Initial)
Tester: Gene Budig
Unit No: S4
Reference Elevations: 1793.00 ft (KB)
1785.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6651 Outside
Press@RunDepth: 1125.76 psig @ 3283.36 ft (KB) Capacity: psig
Start Date: 2014.10.21 End Date: 2014.10.21 Last Calib.: 2014.10.21
Start Time: 01:15:00 End Time: 08:37:00 Time On Btm: 2014.10.21 @ 03:27:00
Time Off Btm: 2014.10.21 @ 06:14:30

TEST COMMENT: IFP 30 Minutes BOB in 9 minutes
ISI 30 Minutes No blow back
FFP 45 Minutes BOB in 7 minutes
FSI 60 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.27	107.04	Initial Hydro-static
1	574.08	106.64	Open To Flow (1)
30	462.26	106.52	Shut-In(1)
60	1129.07	106.65	End Shut-In(1)
61	571.44	106.20	Open To Flow (2)
107	679.78	106.56	Shut-In(2)
167	1125.76	106.99	End Shut-In(2)
168	1569.51	107.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Oil cut mud 2% Gas 24% Oil 74% Mud	1.26
90.00	Heavy oil cut mud 3% Gas 43% Oil 74% M	1.26
750.00	Clean gassy oil 15% Gas 85% Oil	10.52

Gas Rates

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



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TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior Inc.

10-1'8s-10w Rice,KS

PO .Box 399
Garden City, KS 67846

Hoelscher #3-10

Job Ticket: 60389

DST#: 1

ATTN: Clint Musgrove

Test Start: 2014.10.21 @ 01:15:00

Tool Information

Drill Pipe:	Length: 3218.00 ft	Diameter: 3.80 inches	Volume: 45.14 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 45.14 bbl</u>	Tool Chased	20.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	38000.00 lb
Depth to Top Packer:	3216.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.36 ft				
Tool Length:	98.36 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3193.00	
Hydraulic Tool	5.00			3198.00	
Jars	6.00			3204.00	
Safety Joint	2.00			3206.00	
Top Packer	5.00			3211.00	
Packer	5.00			3216.00	28.00 Bottom Of Top Packer
Anchor	5.00			3221.00	
Change Over Sub	0.75			3221.75	
Drill Pipe	30.86			3252.61	
Change Over Sub	0.75			3253.36	
Anchor	28.00			3281.36	
Recorder	1.00	8938	Inside	3282.36	
Recorder	1.00	6651	Outside	3283.36	
Bull Plug	3.00			3286.36	70.36 Anchor Tool

Total Tool Length: 98.36



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FLUID SUMMARY

American Warrior Inc.

10-1`8s-10w Rice,KS

PO .Box 399
Garden City, KS 67846

Hoelscher #3-10

Job Ticket: 60389

DST#: 1

ATTN: Clint Musgrove

Test Start: 2014.10.21 @ 01:15:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 7.97 in³
Resistivity: ohm.m
Salinity: 3100.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 41 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Oil cut mud 2%Gas 24%Oil 74%Mud	1.262
90.00	Heavy oil cut mud 3%Gas 43%Oil 74%Mud	1.262
750.00	Clean gassy oil 15%Gas 85% Oil	10.521

Total Length: 930.00 ft Total Volume: 13.045 bbl

Num Fluid Samples: 0

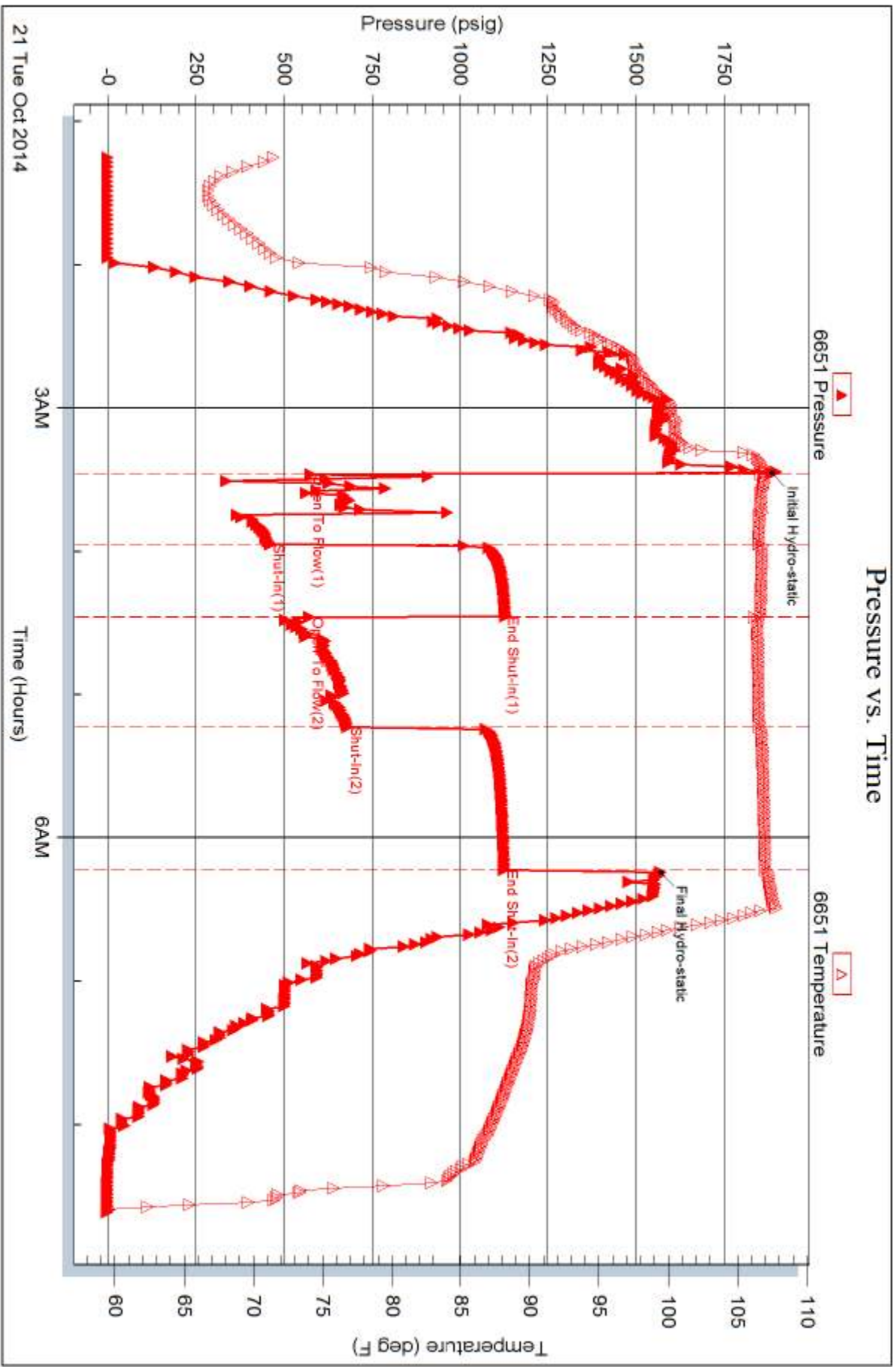
Num Gas Bombs: 0

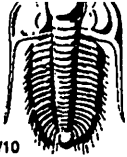
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60389

Well Name & No. Hoelscher #3-10 Test No. 1 Date 10-21-2014
 Company AMERICAN WARRIOR INC. Elevation 1793 KB 1785 GL
 Address 3118 CUMMINGS ROAD P.O. BOX 399, GARDEN CITY KANSAS 67846
 Co. Rep / Geo. CLINTON MUSGRAVE Rig DUKE DRILLING RIG #B
 Location: Sec. 10 Twp. 18^S Rge. 10^W Co. RICE State _____

Interval Tested 3216-3286 Zone Tested ARBUCKLE
 Anchor Length 70 Drill Pipe Run 3189 Mud Wt. 9.05
 Top Packer Depth 3211 Drill Collars Run NONE Vis 46
 Bottom Packer Depth 3216 Wt. Pipe Run NONE WL 8.9
 Total Depth 3216 Chlorides 3100 ppm System LCM 0
 Blow Description 1ST OPEN FAIR blow built to the bottom of the bucket in 9 minutes
2ND OPEN FAIR blow built to the bottom of the bucket in 7 minutes

Rec	Feet of	%gas	%oil	%water	%mud
<u>750</u>	<u>CLEAN Gassy Oil</u>	<u>15</u>	<u>85</u>	<u>0</u>	<u>0</u>
<u>90</u>	<u>HEAVY OIL cut mud</u>	<u>3</u>	<u>43</u>	<u>0</u>	<u>54</u>
<u>90</u>	<u>Oil cut mud</u>	<u>2</u>	<u>24</u>	<u>0</u>	<u>74</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total _____ BHT 110 Gravity 41 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1599</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:15 AM</u>
(B) First Initial Flow <u>78</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:14 AM</u>
(C) First Final Flow <u>217</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:28 AM</u>
(D) Initial Shut-In <u>1125</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>6:13 AM</u>
(E) Second Initial Flow <u>230</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:58 AM</u>
(F) Second Final Flow <u>413</u>	<input checked="" type="checkbox"/> Mileage <u>60</u> ⁹³	Comments <u>SLID tool 20</u>
(G) Final Shut-In <u>1114</u>	<input type="checkbox"/> Sampler _____	<u>FEET to bottom - out</u>
(H) Final Hydrostatic <u>1563</u>	<input type="checkbox"/> Straddle _____	<u>SIDE Recorder HAD</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer <u>plugging</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1568</u>
	Sub Total <u>1568</u>	MP/DST Disc't _____

Approved By _____ Our Representative Gene Budig
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