

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

3118 Cummings Rd.
Garden City, KS 67846

ATTN: Jason Alm

Kuehn #6-1

1-19s-22w Ness,KS

Start Date: 2011.10.26 @ 04:07:30

End Date: 2011.10.26 @ 11:34:30

Job Ticket #: 45268 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.02 @ 11:04:44

American Warrior, Inc.

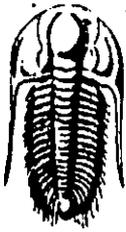
1-19s-22w Ness,KS

Kuehn #6-1

DST # 1

Mississippian

2011.10.26



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3118 Cummings Rd.
Garden City, KS 67846
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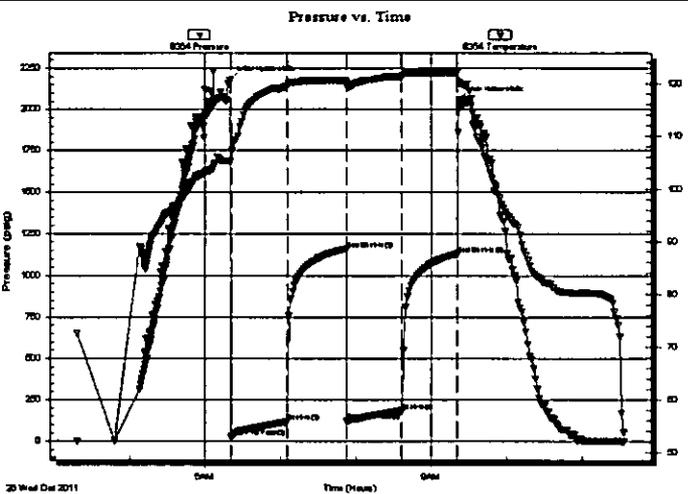
1-19s-22w Ness, KS
Kuehn #6-1
Job Ticket: 45268 **DST#: 1**
Test Start: 2011.10.26 @ 04:07:30

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock ft (KB)
Time Tool Opened: 06:20:30
Time Test Ended: 11:34:30
Interval: **4269.00 ft (KB) To 4280.00 ft (KB) (TVD)**
Total Depth: 4280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2177.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 183.06 psig @ 4271.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.10.26 End Date: 2011.10.26 Last Calib.: 2011.10.26
Start Time: 04:17:30 End Time: 11:34:30 Time On Btm: 2011.10.26 @ 06:20:00
Time Off Btm: 2011.10.26 @ 09:22:30

TEST COMMENT: IF-Fair building blow. BOB in 15 minutes.
IS-Return @ 50 seconds. Built to 2 & 1/2 inches.
FF-Fair building blow. BOB in 20 minutes.
FSI-Return @ 60 seconds. Built to 3 inches.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2178.44	105.06	Initial Hydro-static
1	25.20	105.27	Open To Flow (1)
45	117.64	119.50	Shut-In(1)
92	1157.35	120.53	End Shut-In(1)
93	121.55	120.04	Open To Flow (2)
137	183.06	121.43	Shut-In(2)
181	1128.17	122.04	End Shut-In(2)
183	2056.31	120.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	90%Water/10%Mud	0.60
60.00	20%Gas/30%Oil/50%Mud	0.84
60.00	10%Gas/40%Oil/50%Mud	0.84
200.00	30%Gas/70%Oil	2.81
0.00	290' G.I.P.	0.00

Gas Rates

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



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TOOL DIAGRAM

American Warrior, Inc.

1-19s-22w Ness,KS

3118 Cummings Rd.
Garden City, KS 67846

Kuehn #6-1

Job Ticket: 45268

DST#: 1

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

Tool Information

Drill Pipe:	Length: 4134.00 ft	Diameter: 3.80 inches	Volume: 57.99 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Full Loose: 5000.00 lb
			<u>Total Volume: 58.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4269.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4242.00	
Shut In Tool	5.00			4247.00	
Hydraulic tool	5.00			4252.00	
Jars	5.00			4257.00	
Safety Joint	3.00			4260.00	
Packer	5.00			4265.00	28.00 Bottom Of Top Packer
Packer	4.00			4269.00	
Stubb	1.00			4270.00	
Perforations	1.00			4271.00	
Recorder	0.00	8354	Inside	4271.00	
Recorder	0.00	8520	Outside	4271.00	
Perforations	6.00			4277.00	
Bullnose	3.00			4280.00	11.00 Bottom Packers & Anchor

Total Tool Length: 39.00



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FLUID SUMMARY

American Warrior, Inc.

1-19s-22w Ness,KS

3118 Cummings Rd.
Garden City, KS 67846

Kuehn #6-1

Job Ticket: 45268

DST#: 1

ATTN: Jason Alm

Test Start: 2011.10.26 @ 04:07:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

7400 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: 1.12 ohm.m

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	90%Water/10%Mud	0.599
60.00	20%Gas/30%Oil/50%Mud	0.842
60.00	10%Gas/40%Oil/50%Mud	0.842
200.00	30%Gas/70%Oil	2.805
0.00	290' G.I.P.	0.000

Total Length:

440.00 ft

Total Volume:

5.088 bbl

Num Fluid Samples: 0

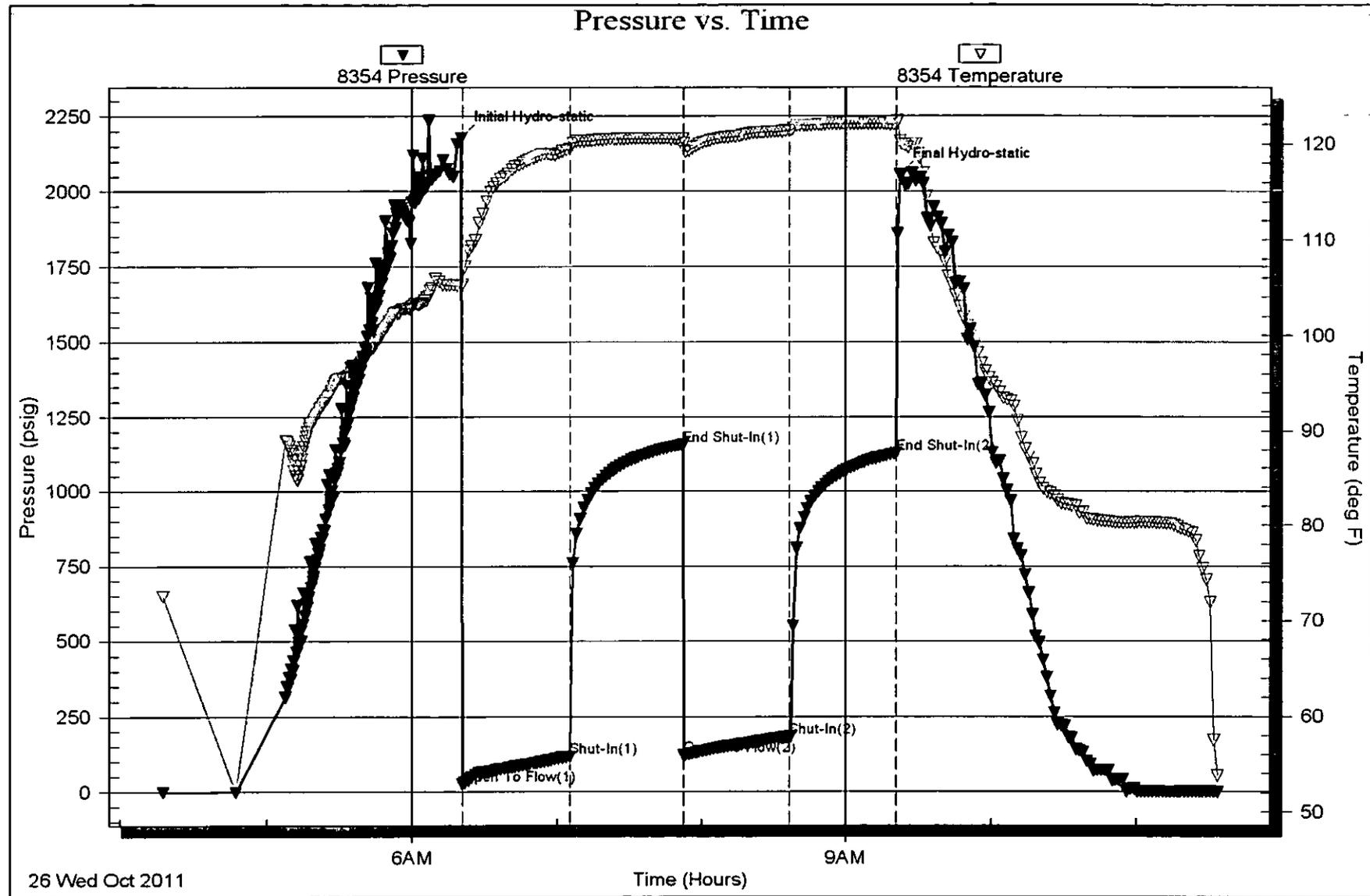
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 290' G.I.P.



26 Wed Oct 2011



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 45268

Well Name & No. Kuehn #6-1 Test No. 1 Date 10-26-11
 Company American Warrior, Inc. Elevation 2177 KB 2171 GL
 Address 3118 Cummings Rd. Garden City, KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark 1
 Location: Sec. 1 Twp. 19S Rge. 22W Co. Ness State KS

Interval Tested 4269-4280 Zone Tested Mississippian
 Anchor Length 11' Drill Pipe Run 4134 Mud Wt. 9.2
 Top Packer Depth 4264 Drill Collars Run 119 Vis 48
 Bottom Packer Depth 4269 Wt. Pipe Run 0 WL 9.2
 Total Depth 4280 Chlorides 7300 ppm System LCM 0

Blow Description FF - Fair building blow. BOB in 15 minutes.
ISI - Return @ 50 seconds. Built to 2 1/2 inches.
FF - Fair building blow. BOB in 20 minutes.
FBI - Return @ 60 seconds. Built to 3 inches.

Rec	Feet of	%gas	%oil	%water	%mud
<u>200</u>	<u>Gassy Oil</u>	<u>30</u>	<u>70</u>		
<u>60</u>	<u>Gassy HOCM</u>	<u>10</u>	<u>40</u>		<u>50</u>
<u>60</u>	<u>Gassy HOCM</u>	<u>20</u>	<u>30</u>		<u>50</u>
<u>120</u>	<u>Muddy Water</u>			<u>90</u>	<u>10</u>
<u>290'</u>	<u>G.I.P.</u>				

Rec Total 440 BHT 121 Gravity 40 API RW 1.118 @ 50 ° F Chlorides 7400 ppm
 (A) Initial Hydrostatic 2178 Test 1225' T-On Location 0330
 (B) First Initial Flow 25 Jars 250' T-Started 0430
 (C) First Final Flow 118 Safety Joint 75' T-Open 0620
 (D) Initial Shut-In 1157 Circ Sub T-Pulled 0920
 (E) Second Initial Flow 122 Hourly Standby T-Out 1130
 (F) Second Final Flow 183 Mileage 52 X 2 104 RT Comments BUT-0407
 (G) Final Shut-In 1128 Sampler 145.60
 (H) Final Hydrostatic 2056 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder
 Day Standby
 Accessibility

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1695.60
 Total 1695.60
 MP/DST Disc't

Approved By _____ Our Representative D. Rath

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.