



## DRILL STEM TEST REPORT

Prepared For: **American Warrior Inc**

PO Box 399  
Garden City KS 67846

ATTN: Kevin Timson

**Neeley #10-33**

**33-23s-32w Finney,KS**

Start Date: 2014.02.27 @ 16:08:00

End Date: 2014.02.27 @ 23:14:27

Job Ticket #: 56312                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

American Warrior Inc  
 PO Box 399  
 Garden City KS 67846  
 ATTN: Kevin Timson

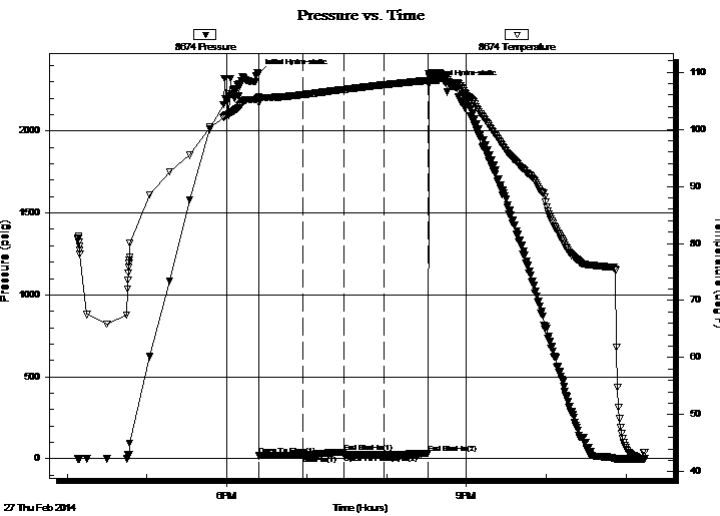
**33-23s-32w Finney,KS**  
**Neeley #10-33**  
 Job Ticket: 56312 **DST#: 1**  
 Test Start: 2014.02.27 @ 16:08:00

## GENERAL INFORMATION:

Formation: **Morrow**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:24:13  
 Time Test Ended: 23:14:27  
 Interval: **4757.00 ft (KB) To 4789.00 ft (KB) (TVD)**  
 Total Depth: 4789.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Will MacLean  
 Unit No: 72  
 Reference Elevations: 2860.00 ft (KB)  
 2849.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8674 Inside**  
 Press@RunDepth: 24.62 psig @ 4759.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.02.27 End Date: 2014.02.27 Last Calib.: 2014.02.27  
 Start Time: 16:08:00 End Time: 23:14:28 Time On Btm: 2014.02.27 @ 18:23:58  
 Time Off Btm: 2014.02.27 @ 20:31:42

TEST COMMENT: IF- Weak Surface Blow 1/4"  
 IS- No Blow  
 FF- No Blow  
 FS- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2350.44	105.66	Initial Hydro-static
1	18.28	104.56	Open To Flow (1)
34	23.19	106.05	Shut-In(1)
64	40.55	106.96	End Shut-In(1)
65	24.06	106.96	Open To Flow (2)
94	24.62	107.78	Shut-In(2)
128	32.33	108.56	End Shut-In(2)
128	2284.88	109.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m with a Skim of Oil on Top	0.02

## Gas Rates

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





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**TOOL DIAGRAM**

American Warrior Inc  
PO Box 399  
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ATTN: Kevin Timson

**33-23s-32w Finney, KS**  
**Neeley #10-33**  
Job Ticket: 56312      **DST#: 1**  
Test Start: 2014.02.27 @ 16:08:00

**Tool Information**

Drill Pipe:	Length: 4520.00 ft	Diameter: 3.80 inches	Volume: 63.40 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:	32000.00 lb
Drill Collar:	Length: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	6000.00 lb
			<u>Total Volume: 64.58 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4757.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			4731.00	
Shut In Tool	5.00			4736.00	
Hydraulic tool	5.00			4741.00	
Jars	5.00			4746.00	
Safety Joint	2.00			4748.00	
Packer	5.00			4753.00	27.00      Bottom Of Top Packer
Packer	4.00			4757.00	
Stubb	1.00			4758.00	
Perforations	1.00			4759.00	
Recorder	0.00	8355	Outside	4759.00	
Recorder	0.00	8674	Inside	4759.00	
Perforations	25.00			4784.00	
Bullnose	5.00			4789.00	32.00      Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

American Warrior Inc  
PO Box 399  
Garden City KS 67846  
ATTN: Kevin Timson

**33-23s-32w Finney,KS**  
**Neeley #10-33**  
Job Ticket: 56312      **DST#: 1**  
Test Start: 2014.02.27 @ 16:08:00

## Mud and Cushion Information

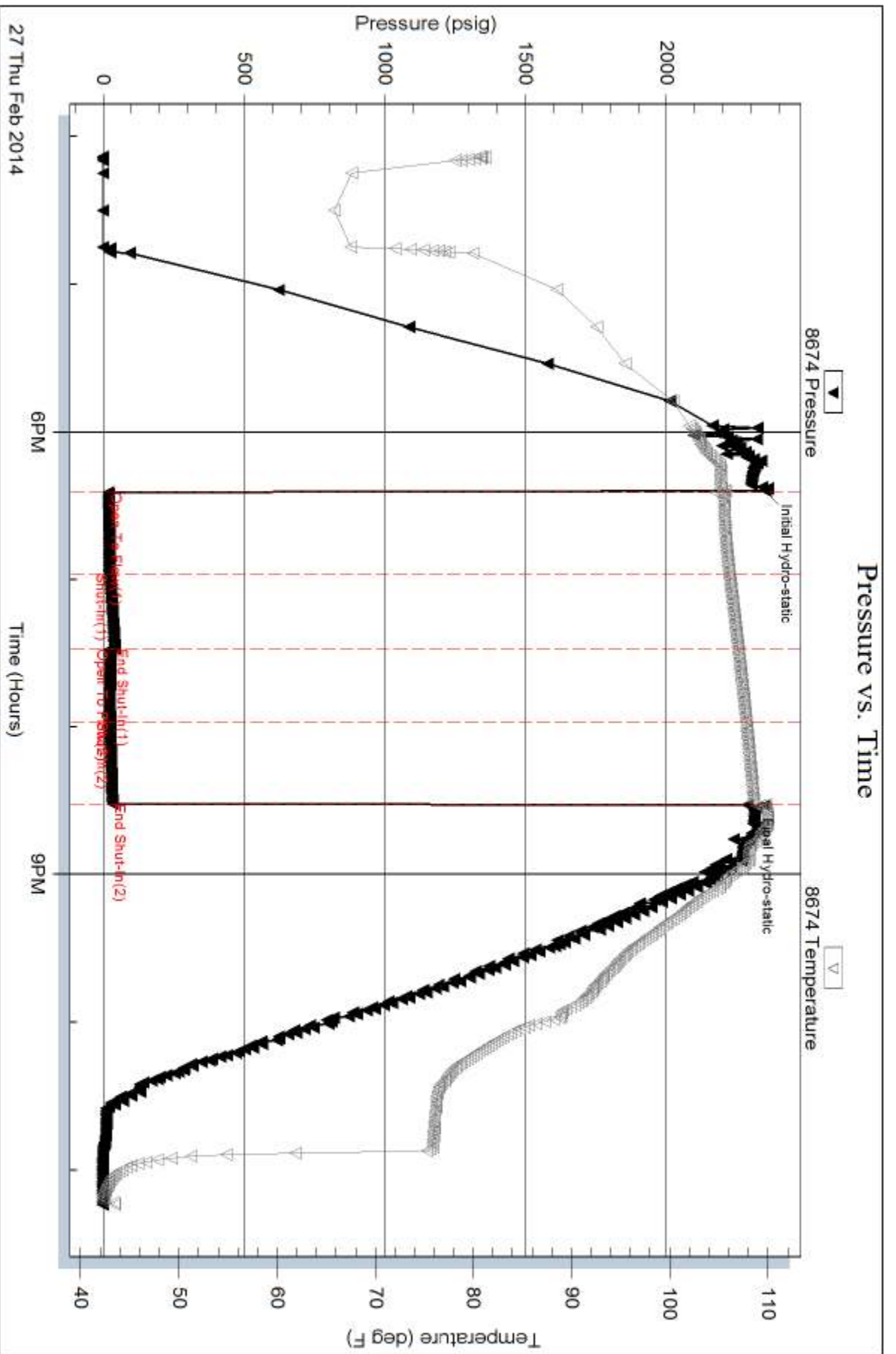
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% m with a Skim of Oil on Top	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

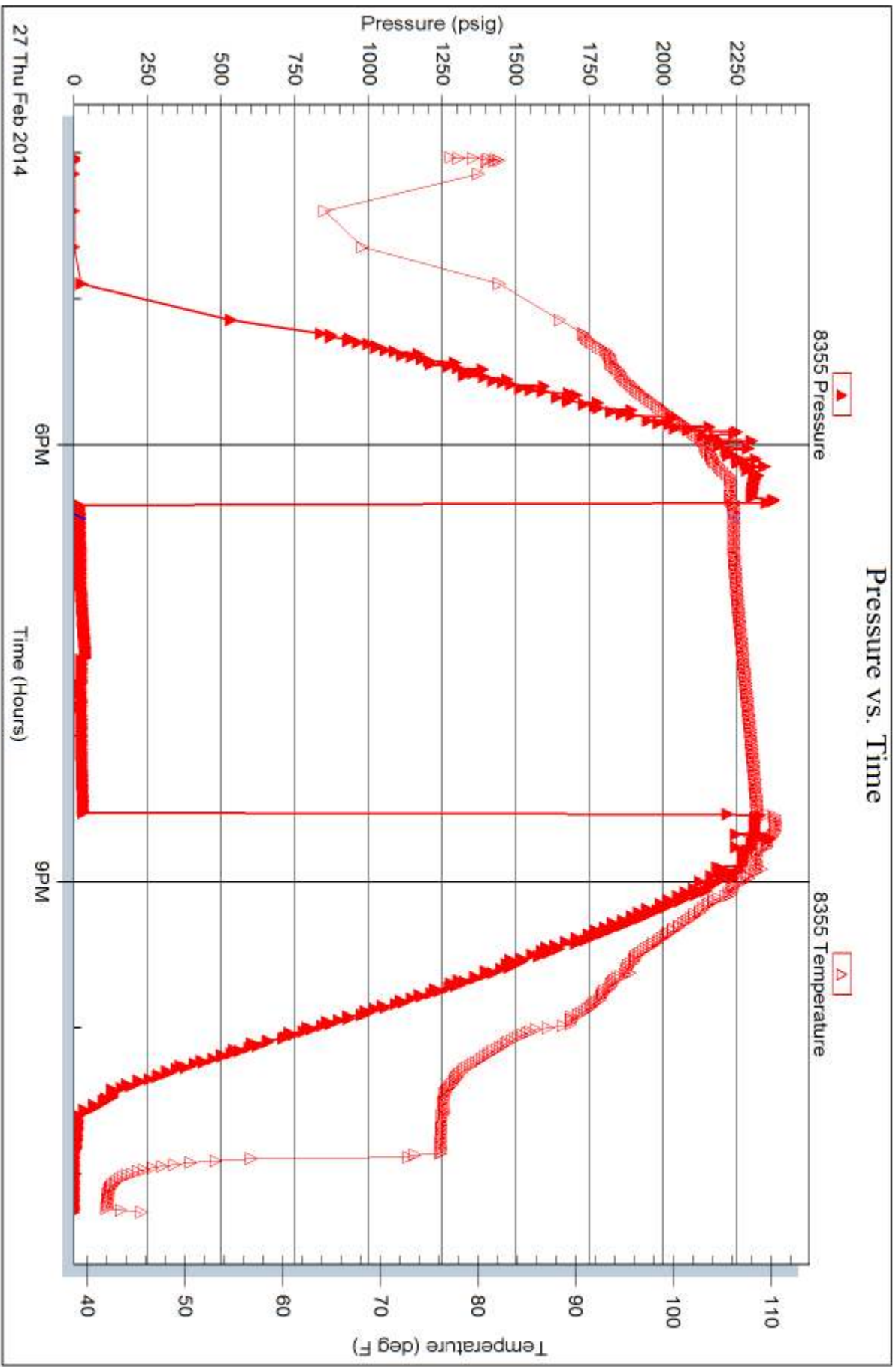


Serial #: 8355

Outside American Warrior Inc

Neeley #10-33

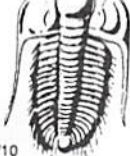
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 56312

Printed: 2014.03.03 @ 15:39:58



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56312

Well Name & No. Neeley #10-33 Test No. DST #1 Date 2-27-14  
 Company American Warrior Inc Elevation 2860 KB 2849 GL  
 Address P.O. Box 399 Garden City KS 67846  
 Co. Rep / Geo. Kevin Timson Rig Duke #5  
 Location: Sec. 33 Twp. 23s Rge. 32w Co. Finney State KS

Interval Tested 4757-4789 Zone Tested Morrow  
 Anchor Length 32 Drill Pipe Run 4520 Mud Wt. 9.2  
 Top Packer Depth 4753 Drill Collars Run 240 Vis 59  
 Bottom Packer Depth 4757 Wt. Pipe Run 0 WL 8.4  
 Total Depth 4789 Chlorides 1900 ppm System LCM 216

Blow Description IF- Weak Surface Blow 4"  
ISI- No Blow  
FF- No Blow  
FSI- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud with a skin of oil on top</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 110 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2350</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>14:44</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>16:08</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>18:24</u>
(D) Initial Shut-In <u>40</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>20:31</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>23:14</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>72 RIT</u> 111.60	Comments _____
(G) Final Shut-In <u>32</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2284</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____

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

Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1686.60

Total 1686.60  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative Bill Mar

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