

## DRILL STEM TEST REPORT

Prepared For: **American Energies Corp**

155 N. Market  
Suite 710  
Wichita, KS 67202

ATTN: Tim Pierce

**27-28s-6w-Kingman-KS**

**Voth "A" #2**

Start Date: 2005.09.26 @ 00:35:48

End Date: 2005.09.26 @ 08:37:33

Job Ticket #: 21952                      DST #: 1

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

American Energies Corp

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Suite 710  
Wichita, KS 67202  
ATTN: Tim Pierce

**Voth "A" #2**

**27-28s-6w-Kingman-KS**

Job Ticket: 21952      **DST#: 1**  
Test Start: 2005.09.26 @ 00:35:48

## GENERAL INFORMATION:

Formation: **Mississippi Chert**  
Deviated: **No Whipstock:**      ft (KB)  
Time Tool Opened: 03:21:48  
Time Test Ended: 08:37:33

Test Type: **Conventional Bottom Hole**  
Tester: **Jake Fahrenbruch**  
Unit No: **19**

Interval: **3865.00 ft (KB) To 3885.00 ft (KB) (TVD)**  
Total Depth: **3885.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1456.00 ft (KB)**  
**1451.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

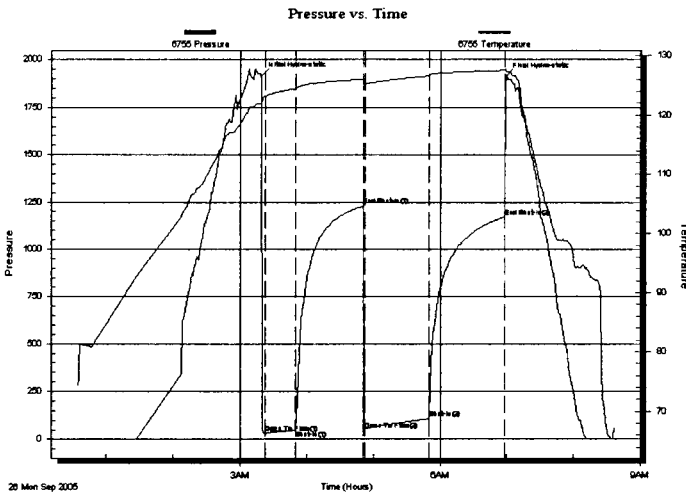
## Serial #: 6755

**Inside**

Press@RunDepth: **108.21 psig @ 3866.00 ft (KB)**  
Start Date: **2005.09.26**      End Date: **2005.09.26**  
Start Time: **00:35:53**      End Time: **08:37:32**

Capacity: **7000.00 psig**  
Last Calib.: **2005.09.26**  
Time On Btrt: **2005.09.26 @ 03:18:48**  
Time Off Btrt: **2005.09.26 @ 06:59:03**

TEST COMMENT: IF: Strong blow, BOB 10 seconds.  
IS: Bled off, no blow back.  
FF: Strong blow, BOB immediately, GTS immediately.  
FSI: Blw s off, no blow back.



## PRESSURE SUMMARY

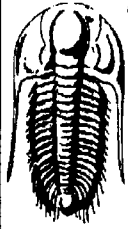
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.35	121.90	Initial Hydro-static
3	34.37	123.13	Open To Flow (1)
31	48.17	124.40	Shut-In(1)
93	1230.51	126.00	End Shut-In(1)
94	49.75	125.08	Open To Flow (2)
151	108.21	126.57	Shut-In(2)
220	1173.71	127.51	End Shut-In(2)
221	1913.35	127.52	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
190.00	MW 30% m 70% w	2.67
0.00	RW= .15ohm@66degF=52000ppm	0.00
0.00	0	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	4.00	6.89
Last Gas Rate	0.13	13.50	10.44
Max. Gas Rate	0.13	13.50	10.44



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

American Energies Corp

**Voth "A" #2**

155 N. Market  
Suite 710  
Wichita, KS 67202  
ATTN: Tim Pierce

**27-28s-6w-Kingman-KS**

Job Ticket: 21952      **DST#: 1**

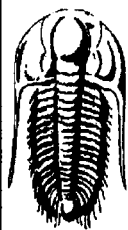
Test Start: 2005.09.26 @ 00:35:48

**Tool Information**

Drill Pipe:	Length: 3865.00 ft	Diameter: 3.80 inches	Volume: 54.22 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 54.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3865.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3850.00	
Hydraulic tool	5.00			3855.00	
Packer	5.00			3860.00	20.00 Bottom Of Top Packer
Packer	5.00			3865.00	
Stubb	1.00			3866.00	
Recorder	0.00	6755	Inside	3866.00	
Perforations	16.00			3882.00	
Recorder	0.00	6074	Outside	3882.00	
Bullnose	3.00			3885.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>40.00</b>				



**TRILOBITE  
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## DRILL STEM TEST REPORT

FLUID SUMMARY

American Energies Corp

Voth "A" #2

155 N. Market  
Suite 710  
Wichita, KS 67202  
ATTN: Tim Pierce

27-28s-6w-Kingman-KS  
Job Ticket: 21952      DST#: 1  
Test Start: 2005.09.26 @ 00:35:48

### 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.04 inches			

### Recovery Information

Recovery Table

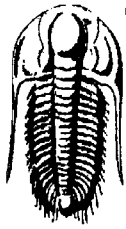
Length ft	Description	Volume bbl
190.00	MW 30% m 70% w	2.665
0.00	RWF= 15ohm@66degF=52000ppm	0.000
0.00	0	0.000

Total Length: 190.00 ft      Total Volume: 2.665 bbl

Num Fluid Samples: 1      Num Gas Bombs: 0      Serial #:

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
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## DRILL STEM TEST REPORT

**GAS RATES**

American Energies Corp

**Voth "A" #2**

155 N. Market  
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ATTN: Tim Pierce

**27-28s-6w-Kingman-KS**

Job Ticket: 21952

**DST#: 1**

Test Start: 2005.09.26 @ 00:35:48

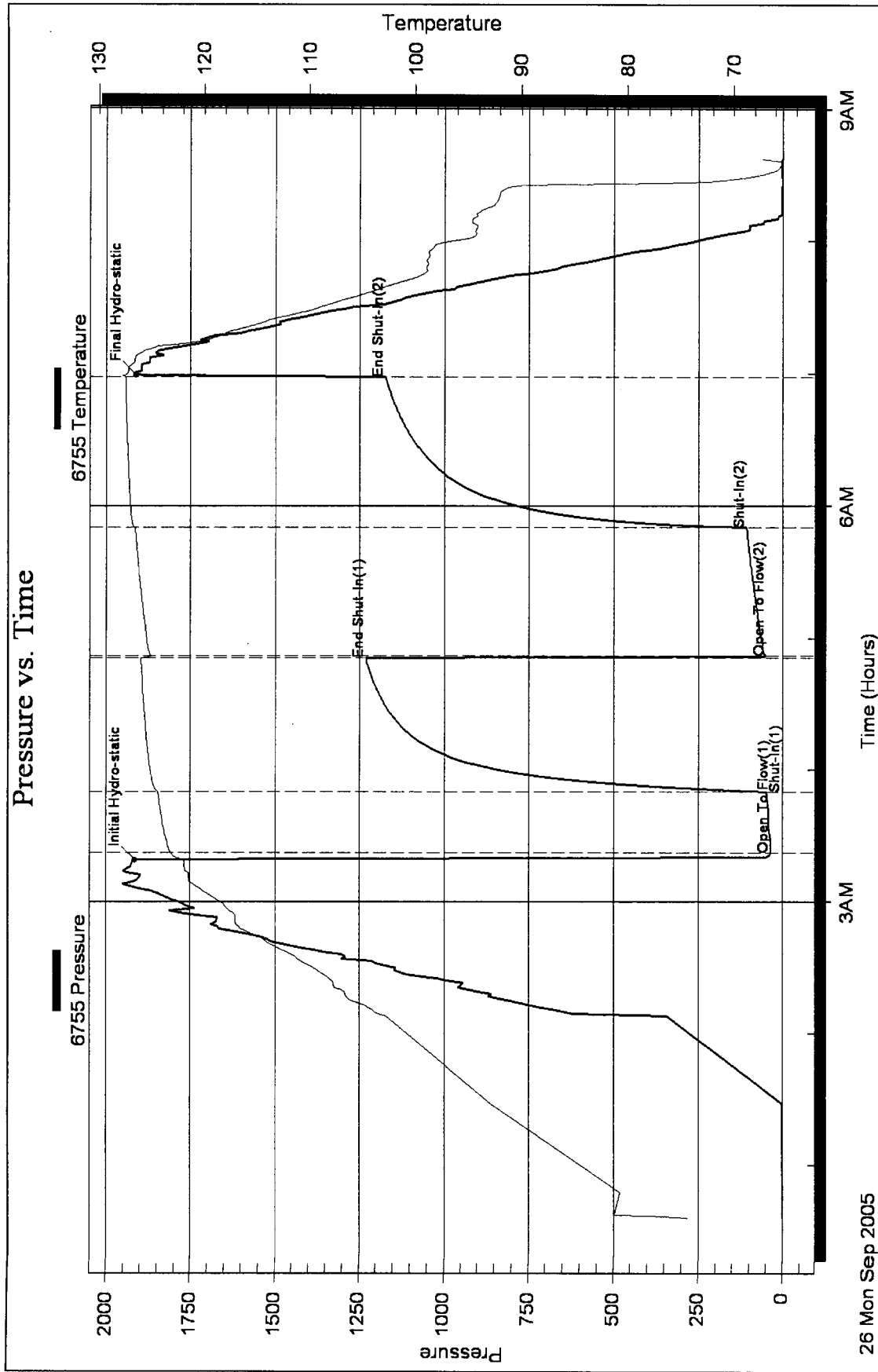
### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

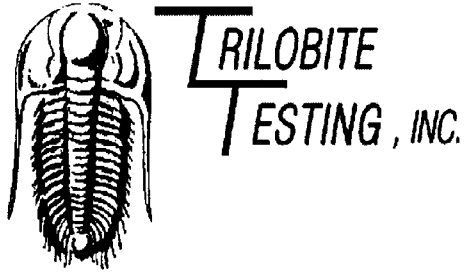
Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	5	0.13	4.00	6.89
2	5	0.13	4.00	6.89
2	10	0.13	7.00	8.01
2	20	0.13	9.00	8.76
2	30	0.13	10.00	9.13
2	40	0.13	11.00	9.51
2	50	0.13	12.50	10.07
2	60	0.13	13.50	10.44

# Pressure vs. Time



26 Mon Sep 2005



## DRILL STEM TEST REPORT

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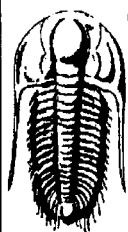
**Voth "A" #2**

Start Date: 2005.09.27 @ 04:13:19

End Date: 2005.09.27 @ 11:35:04

Job Ticket #: 21953                      DST #: 2

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



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# DRILL STEM TEST REPORT

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ATTN: Tim Pierce

Voth "A" #2

27-28s-6w-Kingman-KS

Job Ticket: 21953      DST#: 2  
Test Start: 2005.09.27 @ 04:13:19

## GENERAL INFORMATION:

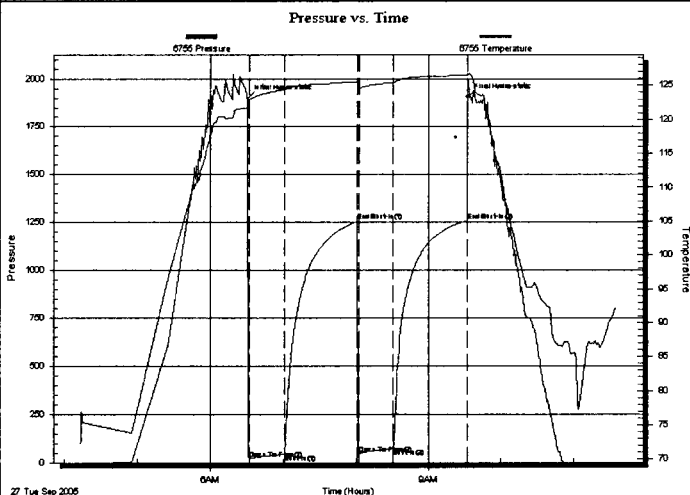
Formation: **Mississippi**  
 Deviated: **No Whipstock:**                      ft (KB)  
 Time Tool Opened: 06:32:34  
 Time Test Ended: 11:35:04  
 Interval: **3913.00 ft (KB) To 3934.00 ft (KB) (TVD)**  
 Total Depth: 4016.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle  
 Tester: Jake Fahrenbruch  
 Unit No: 19  
 Reference Elevations: 1456.00 ft (KB)  
 1451.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6755

Inside

Press@RunDepth: 72.72 psig @ 3914.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2005.09.27      End Date: 2005.09.27      Last Calib.: 2005.09.27  
 Start Time: 04:13:24      End Time: 11:35:03      Time On Btm: 2005.09.27 @ 06:30:34  
 Time Off Btm: 2005.09.27 @ 09:32:19

TEST COMMENT: IF: Strong blow, BOB 30 seconds.  
 IS: Bled off, no blow back.  
 FF: Strong blow, BOB 10 seconds.  
 FS: Bled off, no blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1900.02	121.74	Initial Hydro-static
2	21.39	122.89	Open To Flow (1)
31	45.24	124.37	Shut-In(1)
91	1254.66	125.50	End Shut-In(1)
92	42.13	124.51	Open To Flow (2)
121	72.72	125.38	Shut-In(2)
182	1258.03	126.47	End Shut-In(2)
182	1904.48	126.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	SLOCAWM 4%o46%w 50%m	1.82
0.00	3800' GIP	0.00
0.00	RWF: 14ohm@72degF=55000ppm	0.00
0.00	0	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

American Energies Corp

**Voth "A" #2**

155 N. Market  
Suite 710  
Wichita, KS 67202  
ATTN: Tim Pierce

**27-28s-6w-Kingman-KS**

Job Ticket: 21953

**DST#: 2**

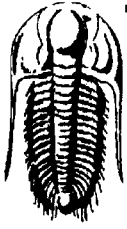
Test Start: 2005.09.27 @ 04:13:19

### Tool Information

Drill Pipe:	Length: 3894.00 ft	Diameter: 3.80 inches	Volume: 54.62 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 54.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3913.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	3934.00 ft			
Interval between Packers:	21.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3898.00		
Hydraulic tool	5.00			3903.00		
Packer	5.00			3908.00	20.00	Bottom Of Top Packer
Packer	5.00			3913.00		
Stubb	1.00			3914.00		
Recorder	0.00	6755	Inside	3914.00		
Perforations	19.00			3933.00		
Recorder	0.00	6074	Outside	3933.00		
Blank Off Sub	1.00			3934.00	21.00	Tool Interval
Packer	3.00			3937.00		
Change Over Sub	1.00			3938.00		
Blank Spacing	62.00			4000.00		
Change Over Sub	1.00			4001.00		
Perforations	12.00			4013.00		
Recorder	0.00	11019	Outside	4013.00		
Bullnose	3.00			4016.00	82.00	Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>123.00</b>					



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**FLUID SUMMARY**

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155 N. Market  
Suite 710  
Wichita, KS 67202  
ATTN: Tim Pierce

**27-28s-6w-Kingman-KS**  
Job Ticket: 21953      **DST#: 2**  
Test Start: 2005.09.27 @ 04:13:19

**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: 429.60 sec/qt	Cushion Volume: bbl		
Water Loss: 11.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.04 inches			

**Recovery Information**

Recovery Table

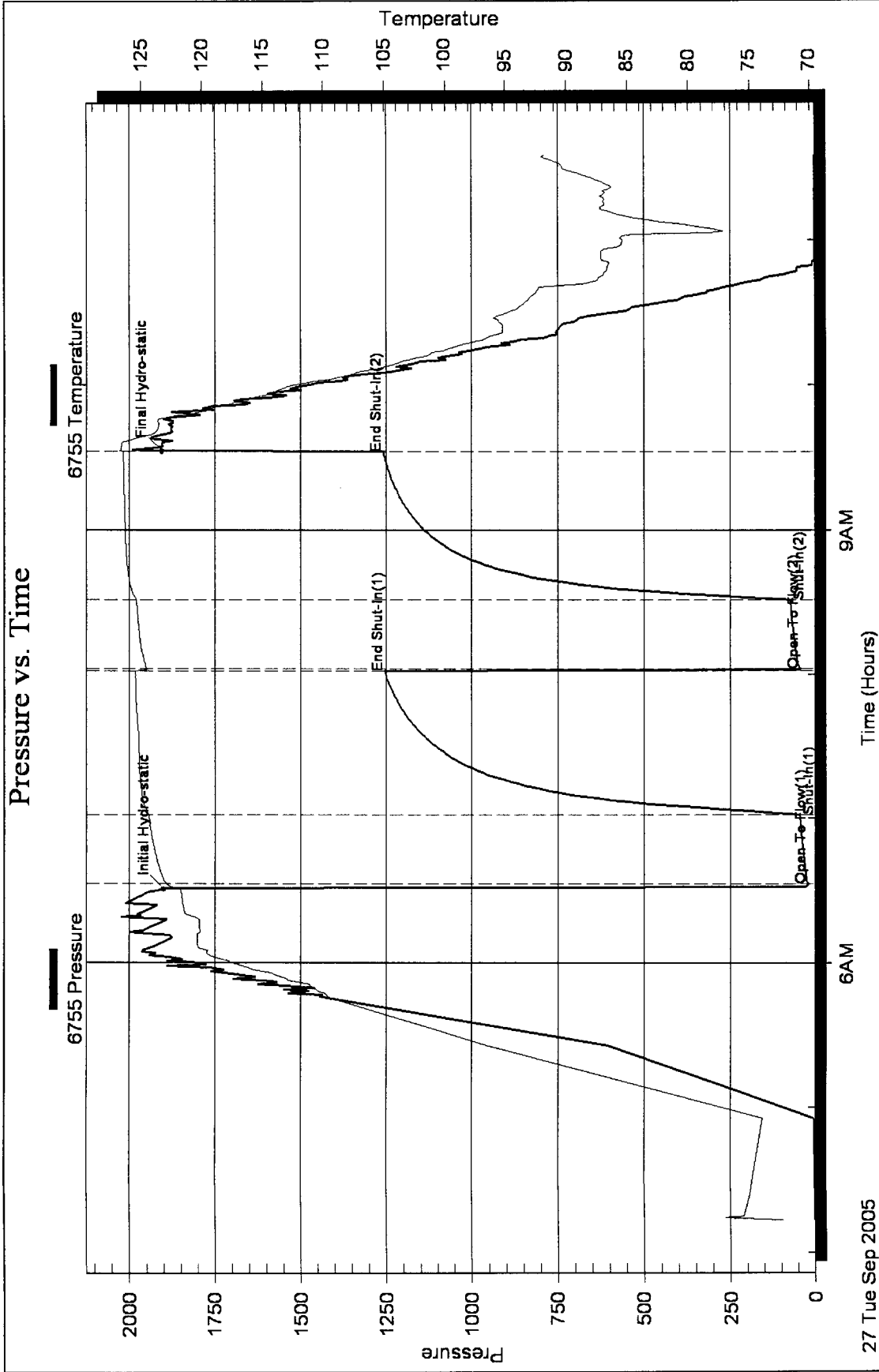
Length ft	Description	Volume bbl
130.00	SLOCCM4%o46%w 50%m	1.824
0.00	3800' GIP	0.000
0.00	RW= .14ohm@72degF=55000ppm	0.000
0.00	0	0.000

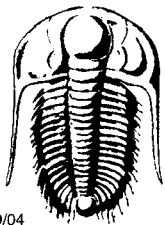
Total Length: 130.00 ft      Total Volume: 1.824 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

IMV  
7954

No 21952

9/04

## Test Ticket

Well Name & No. Voth 'A' #2 Test No. 1 Date 9-26-05  
 Company American Energies Corp Zone Tested Mississippi Chert  
 Address 155 N. Market, Suite 710, Wichita, KS 67202 Elevation 1456 KB 1451 GL  
 Co. Rep / Geo. Tim Pierce Cont. Pickrell Drly Co Rig #10 Est. Ft. of Pay      Por.      %  
 Location: Sec. 27 Twp. 28s Rge. 6w Co. Kingman State Kansas  
 No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 3865-3885 Initial Str Wt./Lbs. 47000 Unseated Str Wt./Lbs. 47000  
 Anchor Length 20 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 55000  
 Top Packer Depth 3860 Tool Weight 2100  
 Bottom Packer Depth 3865 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES  
 Total Depth 3885 Wt. Pipe Run NONE Drill Collar Run NONE  
 Mud Wt. 9.3 LCM 0# Vis. 49 WL 11.2 Drill Pipe Size 4 1/2" XH Ft. Run 3865

Blow Description IF: Strong blow, BOB 10 seconds  
ISI: Bled off, no blowback  
FF: Strong blow, BOB immediately, GIS immediately  
FSE: Bled off, no blowback

Recovery - Total Feet 190 GIP AFFP Ft. in DC NONE Ft. in DP 190  
 Rec. 190 Feet of MW %gas      %oil 70 %water 30 %mud       
 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     

BHT 128 °F Gravity      °API D @      °F Corrected Gravity      °API  
 RW 0.15 @ 66 °F Chlorides 52000 ppm Recovery      Chlorides 5000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1915</u>	PSI	<u>6755</u>	<u>★ 1000</u>
(B) First Initial Flow Pressure	<u>34</u>	PSI	<u>3866</u>	Jars <u>    </u>
(C) First Final Flow Pressure	<u>48</u>	PSI	<u>6074</u>	Safety Jt. <u>    </u>
(D) Initial Shut-In Pressure	<u>1231</u>	PSI	<u>3882</u>	Circ Sub <u>NC</u> <u>★</u>
(E) Second Initial Flow Pressure	<u>50</u>	PSI	<u>    </u>	Sampler <u>    </u>
(F) Second Final Flow Pressure	<u>108</u>	PSI	<u>    </u>	Straddle <u>    </u>
(G) Final Shut-In Pressure	<u>1174</u>	PSI	<u>30</u>	Ext. Packer <u>    </u>
(Q) Final Hydrostatic Mud	<u>1913</u>	PSI	<u>60</u>	Shale Packer <u>    </u>

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Approved By Tim Pierce

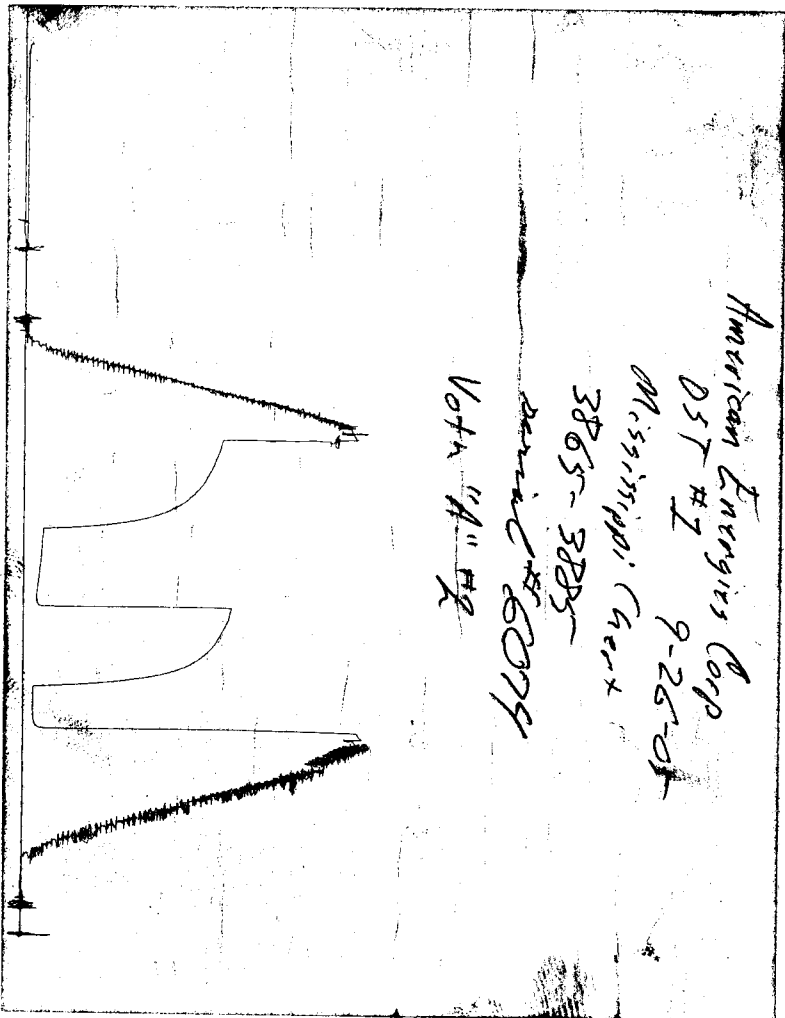
Our Representative James E. Saburba

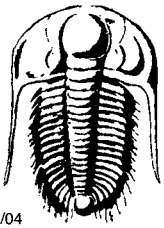
Final Flow	<u>60</u>
Final Shut-In	<u>60</u>
T-On Location	<u>23:30</u>
T-Started	<u>00:36</u>
T-Open	<u>03:21</u>
T-Pulled	<u>06:59</u>
T-Out	<u>08:30</u>
Mileage	<u>110</u> <u>110</u>
Sub Total:	<u>1110</u>
Std. By	<u>1 hour</u> <u>50</u>
Other	<u>    </u>
Total:	<u>★ 1160</u>



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21953

## Test Ticket

Well Name & No. Voth "A" #2 Test No. 2 Date 9-27-05  
 Company American Energies Corp Zone Tested Mississippi  
 Address 155 N. Market, Suite 710, Wichita, KS 67202 Elevation 1456 KB 1451 GL  
 Co. Rep / Geo. Tim Pierce Cont. Pickrell Dty Co Rig #10 Est. Ft. of Pay --- Por. --- %  
 Location: Sec. 27 Twp. 28s Rge. 6w Co. Kingman State Kansas  
 No. of Copies --- Distribution Sheet (Y, N) --- Turnkey (Y, N) --- Evaluation (Y, N) ---

Interval Tested 3913-3934 Initial Str Wt./Lbs. 50000 Unseated Str Wt/Lbs. 50000  
 Anchor Length 21 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 55000  
 Top Packer Depth 3908 + 3913 3908 Tool Weight 2100  
 Bottom Packer Depth 3934 3913 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES  
 Total Depth 4016 Wt. Pipe Run NONE Drill Collar Run NONE  
 Mud Wt. 9.2 LCM 3# Vis. 42 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 3894

Blow Description IF: Strong blow, BOB 30 seconds.  
ISF: Bled off, no blowback.  
FF: Strong blow, BOB 10 seconds.  
FST: Bled off, no blowback.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>130</u>	<u>3800</u>	<u>NONE</u>	<u>130</u>
Rec. <u>130</u> Feet of <u>SLOCLUM</u>	%gas <u>4</u> %oil <u>46</u> %water <u>50</u> %mud	%gas	%oil
Rec. Feet of	%gas	%oil	%water
Rec. Feet of	%gas	%oil	%water
Rec. Feet of	%gas	%oil	%water
Rec. Feet of	%gas	%oil	%water

BHT 126 °F Gravity --- °API D @ --- °F Corrected Gravity --- °API  
 RW .14 n @ 72 °F Chlorides 55000 ppm Recovery --- Chlorides 5000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1900</u> PSI	<u>6755</u>	<u>★ 1000</u>
(B) First Initial Flow Pressure	<u>21</u> PSI	<u>3914</u>	Jars
(C) First Final Flow Pressure	<u>45</u> PSI	<u>6074</u>	Safety Jt.
(D) Initial Shut-In Pressure	<u>1255</u> PSI	<u>3933</u>	Circ Sub <u>NC ★</u>
(E) Second Initial Flow Pressure	<u>42</u> PSI	<u>11019</u>	Sampler
(F) Second Final Flow Pressure	<u>73</u> PSI	<u>4010</u>	Straddle <u>★ 20</u>
(G) Final Shut-In Pressure	<u>1258</u> PSI	<u>30</u>	Ext. Packer <u>✓ 150</u>
(Q) Final Hydrostatic Mud	<u>1904</u> PSI	<u>60</u>	Shale Packer

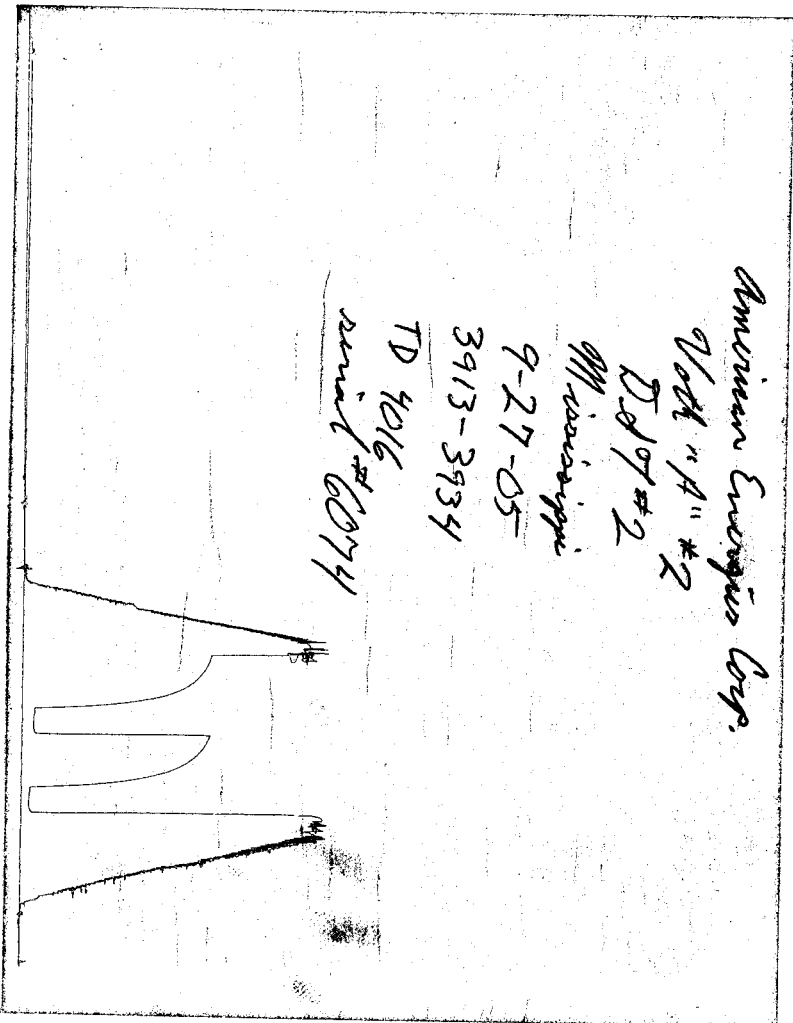
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Tim Pierce T-Started 04:13 T-Open 06:30 T-Pulled 09:32 T-Out 11:30

Our Representative [Signature] Initial Opening 30 Initial Shut-In 60 Final Flow 30 Final Shut-In 60 T-On Location 02:30 T-Started 04:13 T-Open 06:30 T-Pulled 09:32 T-Out 11:30

Mileage 110 110 Sub Total: 1510 Std. By --- Other --- Total: ---

CHART PAGE  
This is a photocopy of the actual AK-1 recorder chart.



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

