

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **American Energies Corp.**

155N Market Ste.710
Wichita Ks.67202

ATTN: Doug Davis

15-23s-3w Harvey Ks.

Epp A#1

Start Date: 2004.07.08 @ 07:12:06

End Date: 2004.07.08 @ 14:33:21

Job Ticket #: 19164 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

American Energies Corp.

Epp A#1

15-23s-3w Harvey Ks.

DST # 1

Miss.

2004.07.08



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Energies Corp.

155N Market Ste.710
Wichita Ks.67202

ATTN: Doug Davis

Epp A#1

15-23s-3w Harvey Ks.

Job Ticket: 19164

DST#: 1

Test Start: 2004.07.08 @ 07:12:06

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:07:06

Time Test Ended: 14:33:21

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3264.00 ft (KB) To 3325.00 ft (KB) (TVD)**

Total Depth: 3325.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1463.00 ft (KB)

1458.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 47.07 psig @ 3265.00 ft (KB)

Start Date: 2004.07.08

End Date: 2004.07.08

Capacity: 7000.00 psig

Last Calib.: 2004.07.08

Start Time: 07:12:11

End Time: 14:33:20

Time On Btm: 2004.07.08 @ 09:04:36

Time Off Btm: 2004.07.08 @ 12:12:06

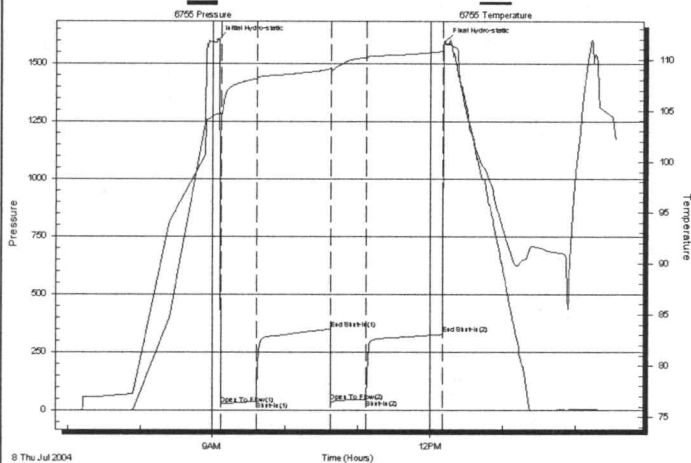
TEST COMMENT: IF: Strong blow . B.O.B. in 1 min. GTS in 24 mins. (see gas volume report)

IS: No blow .

FF: Strong blow . (see gas volume report)

FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.67	104.75	Initial Hydro-static
3	27.31	104.54	Open To Flow (1)
32	38.63	108.14	Shut-In (1)
93	350.43	109.12	End Shut-In (1)
94	36.00	108.97	Open To Flow (2)
123	47.07	110.19	Shut-In (2)
186	327.51	110.82	End Shut-In (2)
188	1592.45	111.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drlg.mud	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	1.00	24.43
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	3.00	27.60



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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Energies Corp.

Epp A#1

155N Market Ste.710
Wichita Ks.67202

15-23s-3w Harvey Ks.

Job Ticket: 19164

DST#: 1

ATTN: Doug Davis

Test Start: 2004.07.08 @ 07:12:06

Tool Information

Drill Pipe:	Length: 2866.00 ft	Diameter: 3.80 inches	Volume: 40.20 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: 20000.00 lb
Drill Collar:	Length: 385.00 ft	Diameter: 2.25 inches	Volume: 1.89 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume:	42.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3264.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.00 ft			
Tool Length:	88.00 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			3238.00	
Shut In Tool	5.00			3243.00	
Hydraulic tool	5.00			3248.00	
Jars	5.00			3253.00	
Safety Joint	2.00			3255.00	
Packer	4.00			3259.00	27.00 Bottom Of Top Packer
Packer	5.00			3264.00	
Stubb	1.00			3265.00	
Recorder	0.00	6755	Inside	3265.00	
Perforations	4.00			3269.00	
Change Over Sub	1.00			3270.00	
Blank Spacing	31.00			3301.00	
Change Over Sub	1.00			3302.00	
Perforations	18.00			3320.00	
Recorder	0.00	13222	Outside	3320.00	
Bullnose	5.00			3325.00	61.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



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FLUID SUMMARY

American Energies Corp.

Epp A#1

155N Market Ste.710
Wichita Ks.67202

15-23s-3w Harvey Ks.

Job Ticket: 19164

DST#: 1

ATTN: Doug Davis

Test Start: 2004.07.08 @ 07:12:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 40.00 sec/qt

Water Loss: 12.38 in³

Resistivity: 0.00 ohm.m

Salinity: 2000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

2000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drlg.mud	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
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DRILL STEM TEST REPORT

GAS RATES

American Energies Corp.

Epp A#1

155N Market Ste.710
Wichita Ks.67202

15-23s-3w Harvey Ks.

Job Ticket: 19164

DST#: 1

ATTN: Doug Davis

Test Start: 2004.07.08 @ 07:12:06

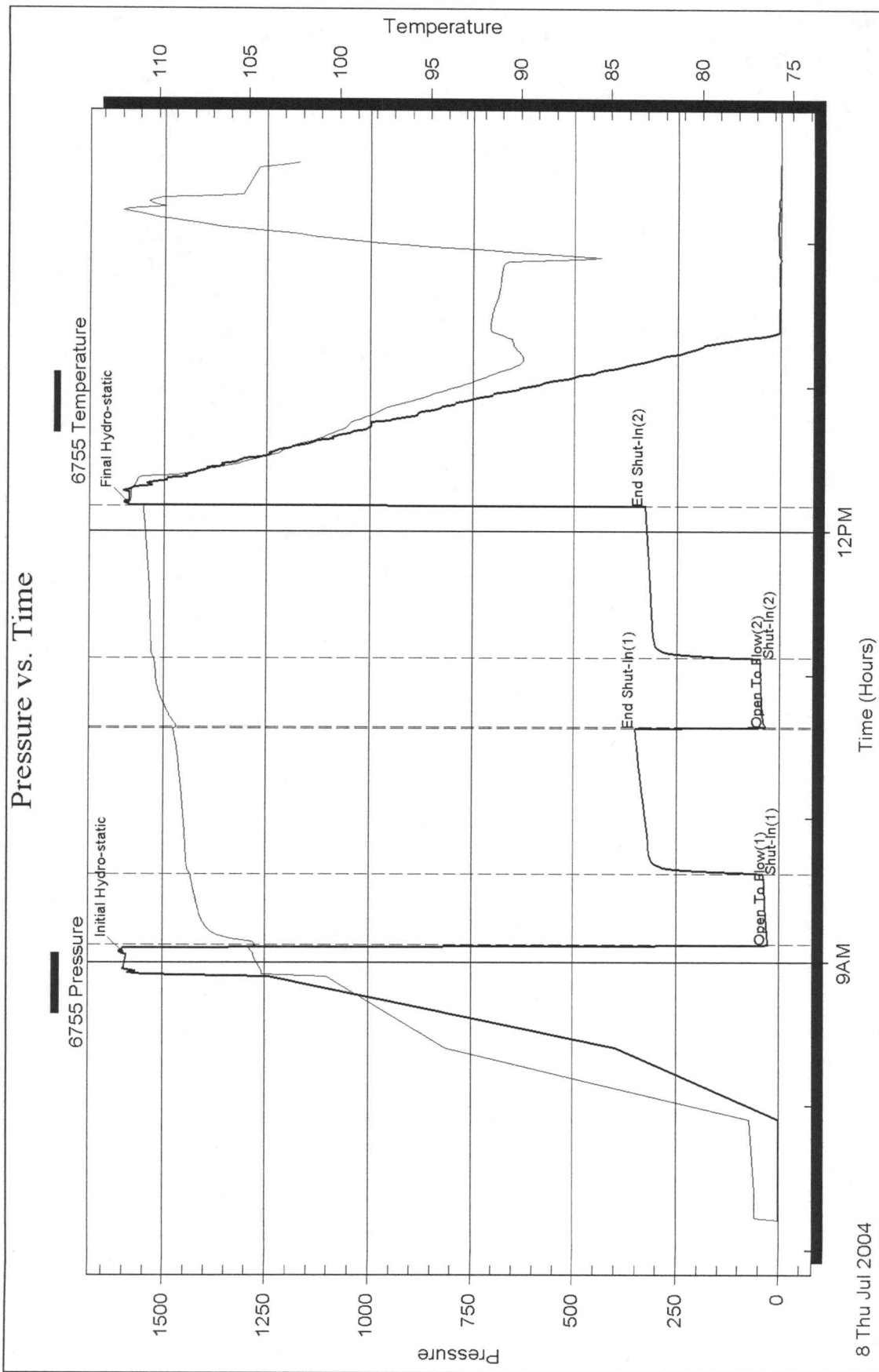
Gas Rates Information

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 (m³/d)
1	30	0.25	1.00	24.43
2	10	0.25	2.50	26.81
2	20	0.25	3.00	27.60
2	30	0.25	3.00	27.60

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Energies Corp.**

155N Market Ste.710
Wichita Ks.67202

ATTN: Doug Davis

15-23s-3w Harvey Ks.

Epp A#1

Start Date: 2004.07.08 @ 21:11:04

End Date: 2004.07.09 @ 06:19:34

Job Ticket #: 19165 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

American Energies Corp.

155N Market Ste.710
Wichita Ks.67202

ATTN: Doug Davis

Epp A#1

15-23s-3w Harvey Ks.

Job Ticket: 19165

DST#: 2

Test Start: 2004.07.08 @ 21:11:04

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:01:19

Time Test Ended: 06:19:34

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3336.00 ft (KB) To 3370.00 ft (KB) (TVD)**

Total Depth: 3370.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1463.00 ft (KB)

1458.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 229.14 psig @ 3337.00 ft (KB)

Start Date: 2004.07.08

End Date:

2004.07.09

Capacity: 7000.00 psig

Last Calib.: 2004.07.09

Start Time: 21:11:09

End Time:

06:19:34

Time On Btm: 2004.07.08 @ 23:56:04

Time Off Btm: 2004.07.09 @ 03:06:49

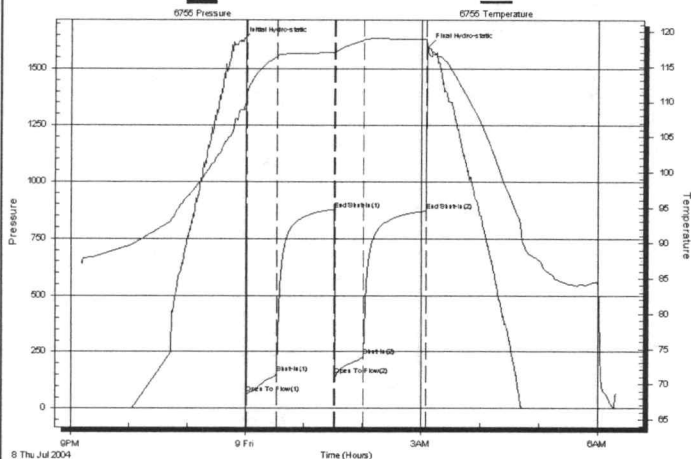
TEST COMMENT: IF:Strong blow . B.O>B. in 50 secs. GTS in 11 mins. (see gas volume report)

IS:Fair blow . 1 - 9".

FF:Strong blow . (see gas volume report)

FS:Weak blow . 1 - 3".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.42	108.84	Initial Hydro-static
6	66.27	111.23	Open To Flow (1)
36	152.35	116.44	Shut-In (1)
96	877.64	117.04	End Shut-In (1)
97	144.92	117.06	Open To Flow (2)
126	229.14	118.78	Shut-In (2)
189	871.77	118.90	End Shut-In (2)
191	1596.99	117.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
325.00	Salt w tr. Rw .07 ohms @ 74 deg.	1.60
120.00	GCMW 10%g 25%m 65%w	1.14
80.00	GCWM with oil specs. 20%g 20%w 60%1.12	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.25	1.50	25.22
Max. Gas Rate	0.25	4.00	29.19



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TOOL DIAGRAM

American Energies Corp.

Epp A#1

155N Market Ste.710
Wichita Ks.67202

15-23s-3w Harvey Ks.

Job Ticket: 19165

DST#: 2

ATTN: Doug Davis

Test Start: 2004.07.08 @ 21:11:04

Tool Information

Drill Pipe:	Length: 2945.00 ft	Diameter: 3.80 inches	Volume: 41.31 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: 385.00 ft	Diameter: 2.25 inches	Volume: 1.89 bbl	Weight to Pull Loose: 64000.00 lb
		Total Volume:	43.20 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3336.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	61.00 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			3310.00	
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Jars	5.00			3325.00	
Safety Joint	2.00			3327.00	
Packer	4.00			3331.00	27.00 Bottom Of Top Packer
Packer	5.00			3336.00	
Stubb	1.00			3337.00	
Recorder	0.00	6755	Inside	3337.00	
Perforations	28.00			3365.00	
Recorder	0.00	13222	Outside	3365.00	
Bullnose	5.00			3370.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



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FLUID SUMMARY

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15-23s-3w Harvey Ks.

Job Ticket: 19165

DST#: 2

ATTN: Doug Davis

Test Start: 2004.07.08 @ 21:11:04

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 10.39 in³

Resistivity: 0.00 ohm.m

Salinity: 1000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 102000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
325.00	Salt w.tr. Rw .07 ohms @ 74 deg.	1.598
120.00	GCMW 10%g 25%m 65%w	1.137
80.00	GCWM with oil specs. 20%g 20%w 60%m	1.122

Total Length: 525.00 ft

Total Volume: 3.857 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

American Energies Corp.

Epp A#1

155N Market Ste.710
Wichita Ks.67202

15-23s-3w Harvey Ks.

Job Ticket: 19165

DST#:2

ATTN: Doug Davis

Test Start: 2004.07.08 @ 21:11:04

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 ³ /d)
1	20	0.25	4.00	29.19
1	30	0.25	4.00	29.19
2	5	0.25	3.00	27.60
2	10	0.25	2.00	26.02
2	20	0.25	2.00	26.02
2	30	0.25	1.50	25.22

Serial #: 6755

Inside

American Energies Corp.

15-23s-3w Harvey Ks.

DST Test Number: 2

