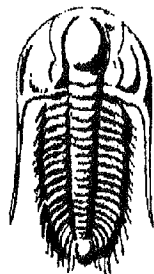


15-065-23535

5-8s-21w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

5-8s-21w Graham KS

Kenyon #4-5

Start Date: 2009.03.08 @ 20:43:53

End Date: 2009.03.09 @ 02:26:08

Job Ticket #: 36309

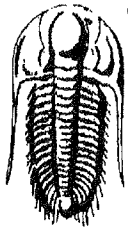
DST #: 1

RECEIVED
JUL 14 2009
KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

Kenyon #4-5

5-8s-21w Graham KS

Job Ticket: 36309

DST#: 1

Test Start: 2009.03.08 @ 20:43:53

GENERAL INFORMATION:

Formation: **Toronto-LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:03:38

Time Test Ended: 02:26:08

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3196.00 ft (KB) To 3262.00 ft (KB) (TVD)**

Total Depth: 3262.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2036.00 ft (KB)

2029.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6669

Inside

Press@RunDepth: 45.48 psig @ 3201.00 ft (KB)

Start Date: 2009.03.08

End Date:

2009.03.09

Start Time: 20:43:54

End Time:

02:26:08

Capacity: 7000.00 psig

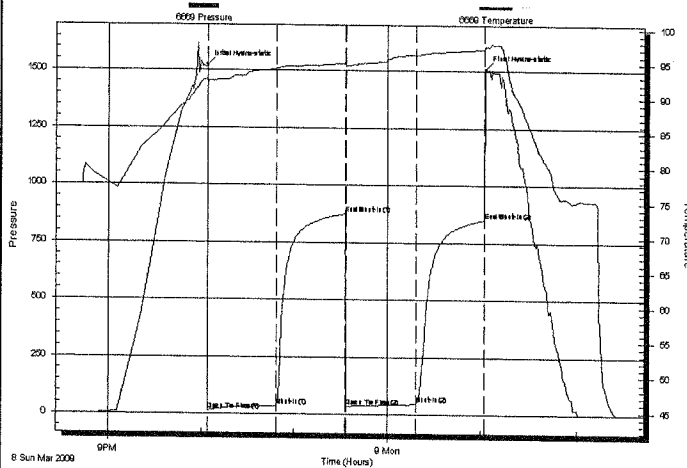
Last Calib.: 2009.03.09

Time On Btm: 2009.03.08 @ 22:03:23

Time Off Btm: 2009.03.09 @ 01:03:08

TEST COMMENT: IFP-Weak surface blow built to 4"
ISI-No blow back
FFP-Weak surface blow built to 3.5"
FSI-No blow back

Pressure vs. Time



PRESSURE SUMMARY

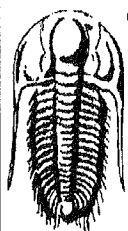
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1523.87	92.78	Initial Hydro-static
1	12.03	91.88	Open To Flow (1)
45	34.18	94.23	Shut-In (1)
90	874.14	95.02	End Shut-In (1)
90	35.58	94.58	Open To Flow (2)
135	45.48	96.27	Shut-In (2)
179	848.84	97.10	End Shut-In (2)
180	1509.19	97.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 10%O,90%M	0.57
10.00	OCM 20%O,80%M	0.14

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36309

DST#: 1

ATTN: Marc Downing

Test Start: 2009.03.08 @ 20:43:53

Tool Information

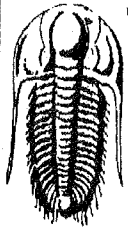
Drill Pipe:	Length: 3173.00 ft	Diameter: 3.82 inches	Volume: 44.98 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	45.13 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3196.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	87.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3176.00	
Shut In Tool	5.00			3181.00	
Hydraulic tool	5.00			3186.00	
Packer	5.00			3191.00	21.00 Bottom Of Top Packer
Packer	5.00			3196.00	
Stubb	1.00			3197.00	
Perforations	3.00			3200.00	
Change Over Sub	1.00			3201.00	
Recorder	0.00	6672	Inside	3201.00	
Recorder	0.00	6669	Inside	3201.00	
Blank Spacing	31.00			3232.00	
Change Over Sub	1.00			3233.00	
Perforations	26.00			3259.00	
Bullnose	3.00			3262.00	66.00 Bottom Packers & Anchor

Total Tool Length: 87.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36309

DST#: 1

ATTN: Marc Downing

Test Start: 2009.03.08 @ 20:43:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

36 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 10%O,90%M	0.573
10.00	OCM 20%O,80%M	0.142

Total Length: 70.00 ft

Total Volume: 0.715 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

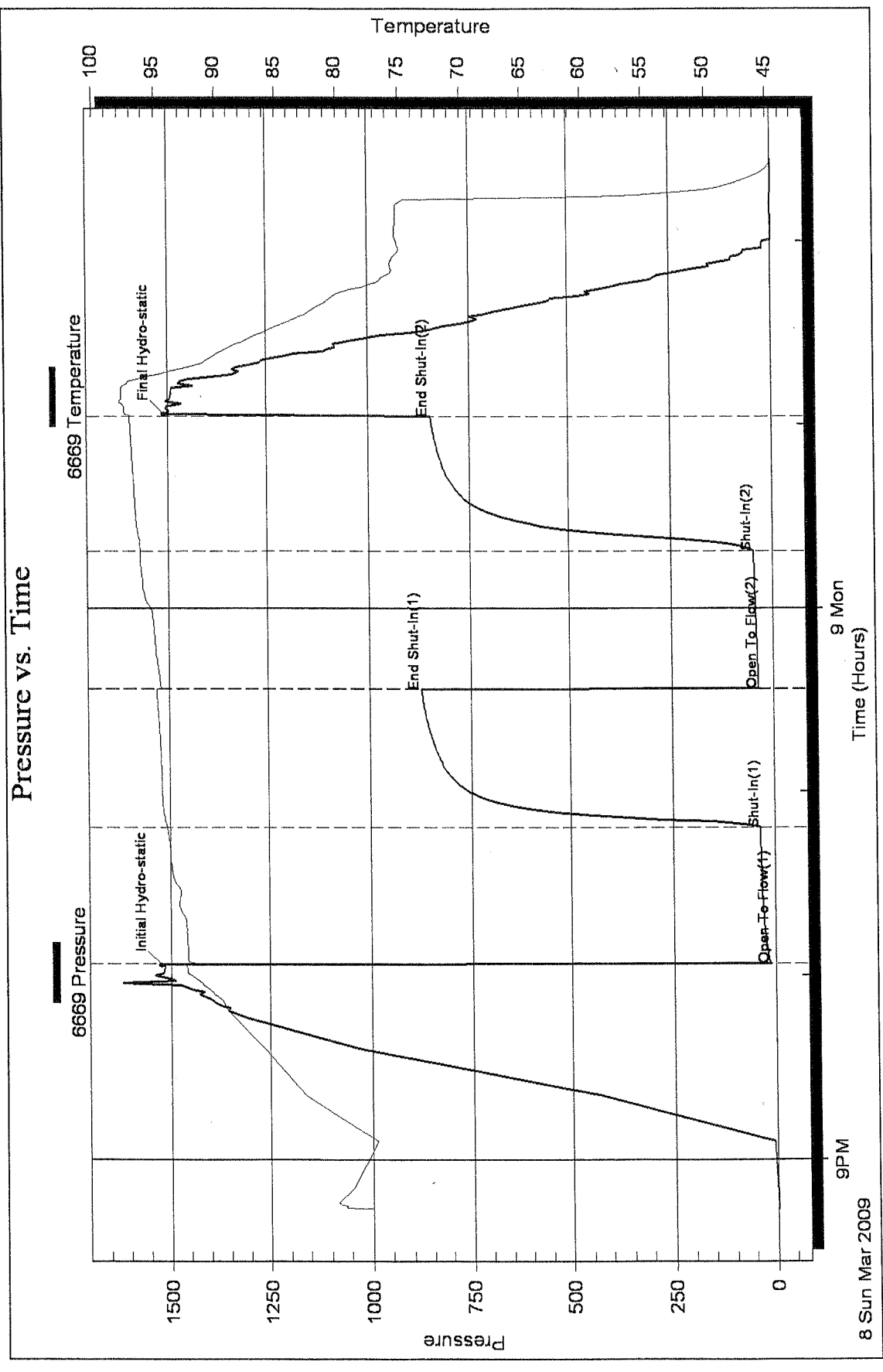
Serial #:

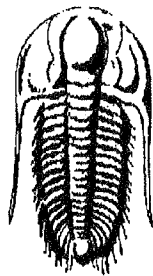
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

5-8s-21w Graham KS

Kenyon #4-5

Start Date: 2009.03.09 @ 10:03:38

End Date: 2009.03.09 @ 14:51:23

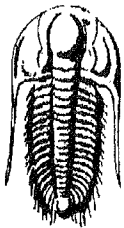
Job Ticket #: 36310 DST #: 2

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Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

Kenyon #4-5

5-8s-21w Graham KS

Job Ticket: 36310

DST#: 2

Test Start: 2009.03.09 @ 10:03:38

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:27:38

Time Test Ended: 14:51:23

Interval: **3265.00 ft (KB) To 3310.00 ft (KB) (TVD)**

Total Depth: 3310.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Reference Elevations: 2036.00 ft (KB)

2029.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6672 Inside

Press@RunDepth: 20.76 psig @ 3270.00 ft (KB)

Start Date: 2009.03.09

End Date: 2009.03.09

Start Time: 10:03:39

End Time: 14:51:23

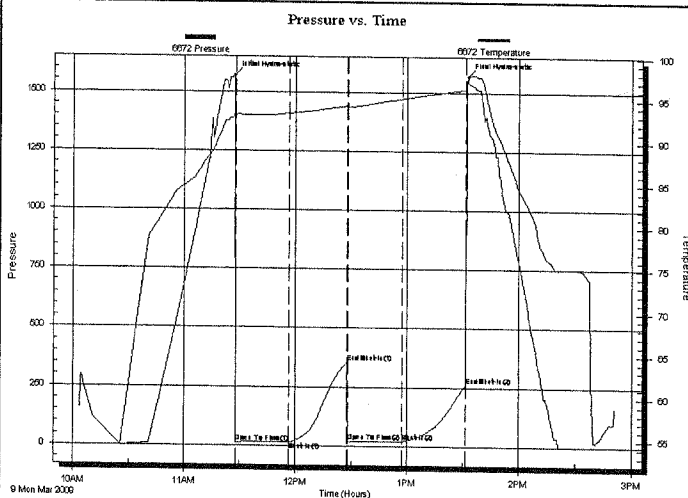
Capacity: 7000.00 psig

Last Calib.: 2009.03.09

Time On Btm: 2009.03.09 @ 11:27:23

Time Off Btm: 2009.03.09 @ 13:32:38

TEST COMMENT: IFP-Weak surface blow built to 1/2"
ISI-no blow back
FFP-Weak surface blow throughout
FSI-no blow back



PRESSURE SUMMARY

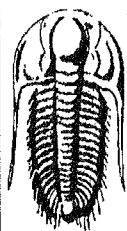
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1566.24	93.42	Initial Hydro-static
1	12.56	92.92	Open To Flow (1)
29	16.43	93.37	Shut-In (1)
61	353.88	94.27	End Shut-In (1)
61	18.34	94.05	Open To Flow (2)
91	20.76	95.13	Shut-In (2)
125	261.90	96.23	End Shut-In (2)
126	1566.93	97.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O,90%M	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36310

DST#: 2

ATTN: Marc Downing

Test Start: 2009.03.09 @ 10:03:38

Tool Information

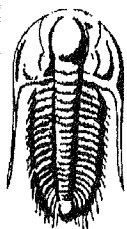
Drill Pipe:	Length: 3238.00 ft	Diameter: 3.82 inches	Volume: 45.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume: 46.05 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3265.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3245.00	
Shut In Tool	5.00			3250.00	
Hydraulic tool	5.00			3255.00	
Packer	5.00			3260.00	21.00 Bottom Of Top Packer
Packer	5.00			3265.00	
Stubb	1.00			3266.00	
Perforations	3.00			3269.00	
Change Over Sub	1.00			3270.00	
Recorder	0.00	6672	Inside	3270.00	
Recorder	0.00	6669	Inside	3270.00	
Blank Spacing	31.00			3301.00	
Change Over Sub	1.00			3302.00	
Perforations	5.00			3307.00	
Bullnose	3.00			3310.00	45.00 Bottom Packers & Anchor

Total Tool Length: 66.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36310

DST#: 2

ATTN: Marc Downing

Test Start: 2009.03.09 @ 10:03:38

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O,90%M	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

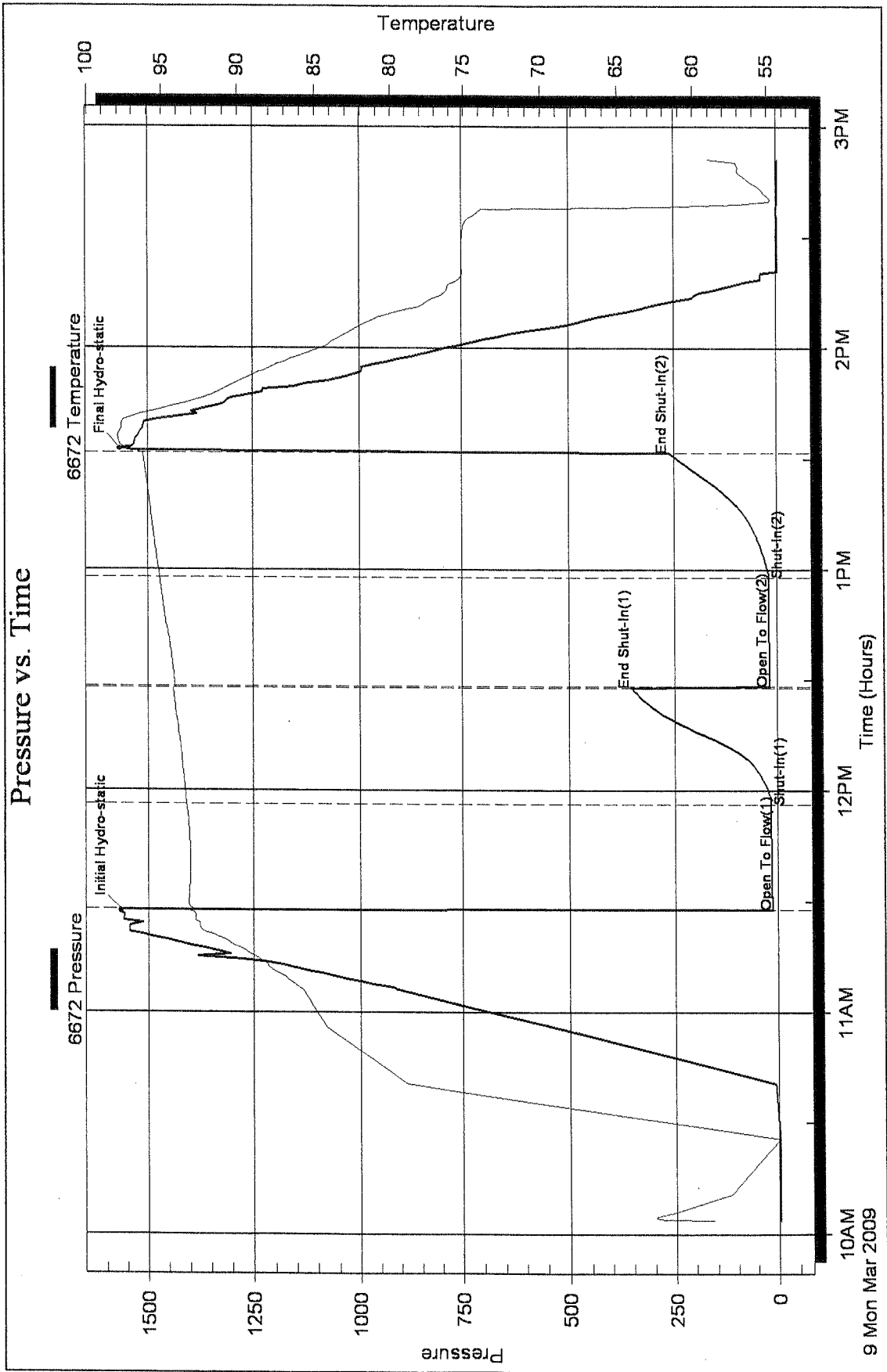
Serial #:

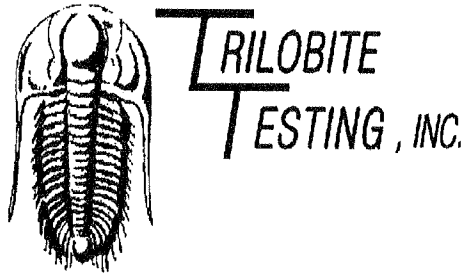
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

5-8s-21w Graham KS

Kenyon #4-5

Start Date: 2009.03.09 @ 20:00:06

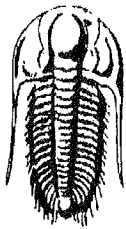
End Date: 2009.03.10 @ 03:50:06

Job Ticket #: 36311 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

Kenyon #4-5

5-8s-21w Graham KS

Job Ticket: 36311

DST#: 3

Test Start: 2009.03.09 @ 20:00:06

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:37:36

Time Test Ended: 03:50:06

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3308.00 ft (KB) To 3332.00 ft (KB) (TVD)**

Total Depth: 3332.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2036.00 ft (KB)

2029.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6669

Inside

Press@RunDepth: 576.47 psig @ 3309.00 ft (KB)

Start Date: 2009.03.09

End Date:

2009.03.10

Start Time: 20:00:07

End Time:

03:50:06

Capacity: 7000.00 psig

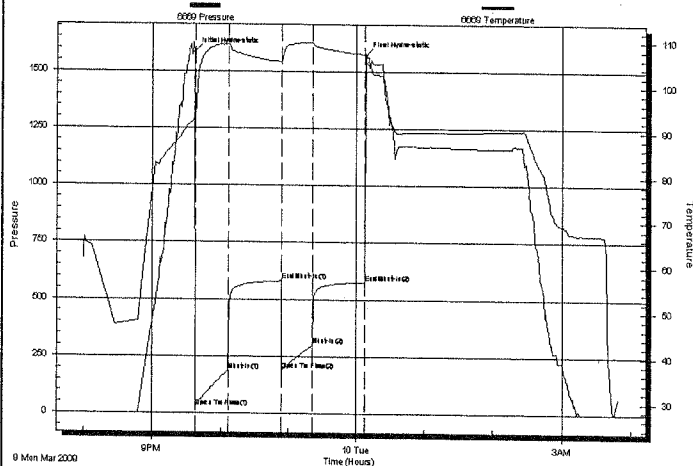
Last Calib.: 2009.03.10

Time On Btm: 2009.03.09 @ 21:37:21

Time Off Btm: 2009.03.10 @ 00:08:51

TEST COMMENT: IFF-BOB in 4 min
ISI-Weak surface blow back throughout
FFP-BOB in 7 min
FSI-Weak surface blow back throughout

Pressure vs. Time



PRESSURE SUMMARY

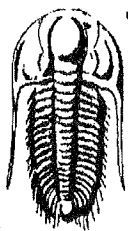
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.98	93.66	Initial Hydro-static
1	24.44	93.28	Open To Flow (1)
30	186.64	109.46	Shut-In (1)
77	581.26	105.54	End Shut-In (1)
77	190.15	105.37	Open To Flow (2)
105	297.99	109.86	Shut-In (2)
151	576.47	107.29	End Shut-In (2)
152	1569.54	105.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	Water	6.53
105.00	SOCMW 5%O,75%W,20%M	1.49
15.00	CO	0.21

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36311

DST#: 3

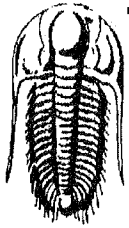
ATTN: Marc Downing

Test Start: 2009.03.09 @ 20:00:06

Tool Information

Drill Pipe:	Length: 3262.00 ft	Diameter: 3.82 inches	Volume: 46.24 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	90000.00 lb	
			Total Volume:	46.39 bbl	Tool Chased	5.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	64000.00 lb	
Depth to Top Packer:	3308.00 ft			Final	65000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	24.00 ft					
Tool Length:	45.00 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			3292.00	
Change Over Sub	1.00			3293.00	
Hydraulic tool	5.00			3298.00	
Packer	5.00			3303.00	21.00 Bottom Of Top Packer
Packer	5.00			3308.00	
Stubb	1.00			3309.00	
Recorder	0.00	6669	Inside	3309.00	
Recorder	0.00	6672	Inside	3309.00	
Perforations	20.00			3329.00	
Bullnose	3.00			3332.00	24.00 Bottom Packers & Anchor
Total Tool Length:		45.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36311

DST#: 3

ATTN: Marc Downing

Test Start: 2009.03.09 @ 20:00:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 32000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	Water	6.526
105.00	SOCMW 5%O,75%W,20%M	1.488
15.00	CO	0.213

Total Length: 600.00 ft

Total Volume: 8.227 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

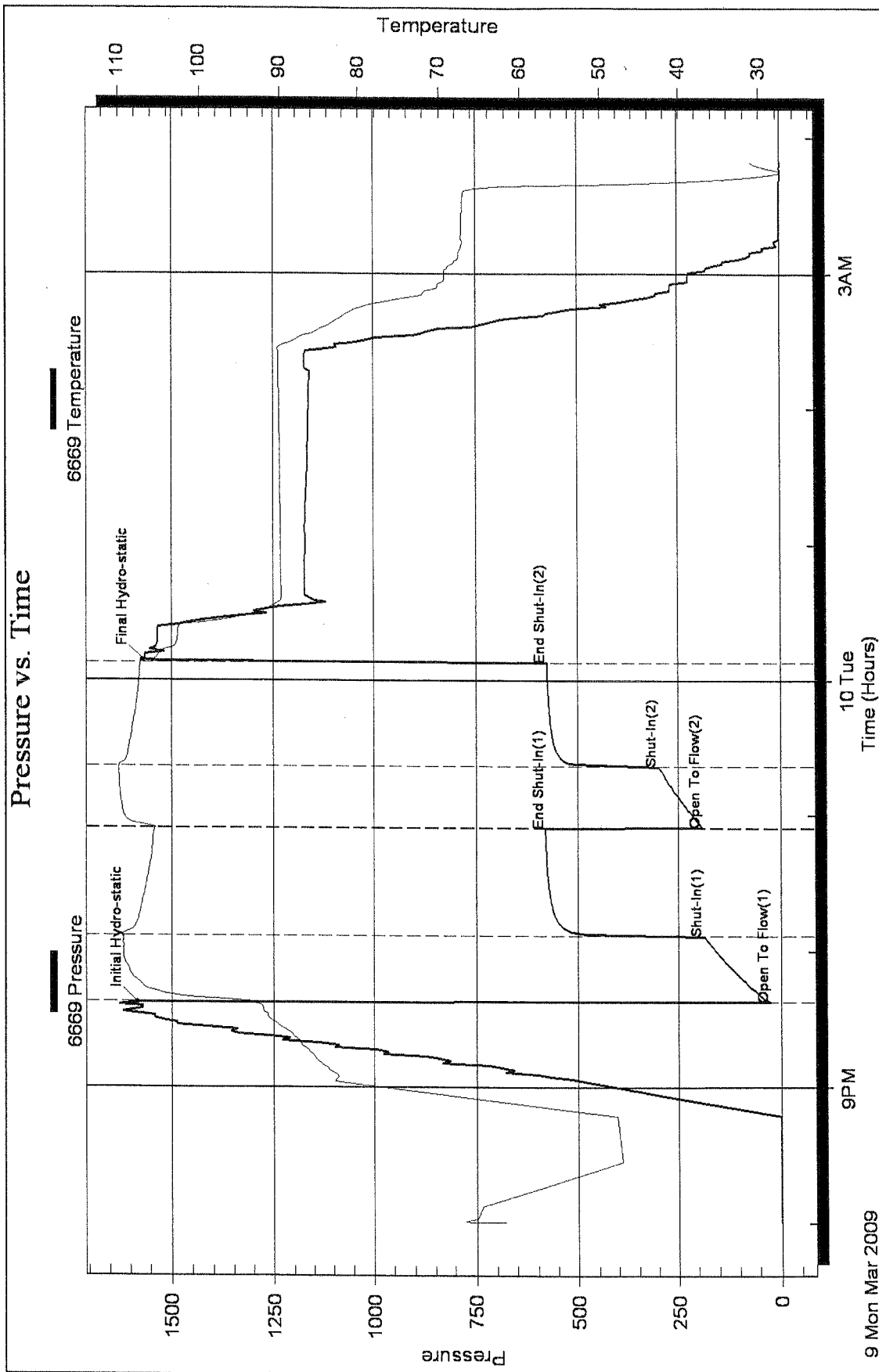
Serial #:

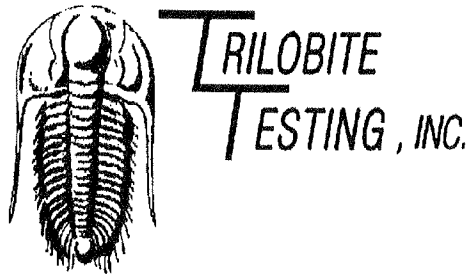
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

5-8s-21w Graham KS

Kenyon #4-5

Start Date: 2009.03.10 @ 15:30:31

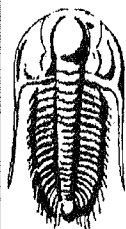
End Date: 2009.03.10 @ 21:24:01

Job Ticket #: 36312 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior
PO Box 399
Garden City, KS 67846
ATTN: Marc Downing

Kenyon #4-5

5-8s-21w Graham KS

Job Ticket: 36312

DST#: 4

Test Start: 2009.03.10 @ 15:30:31

GENERAL INFORMATION:

Formation: **LKC "I-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:06:16

Time Test Ended: 21:24:01

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3386.00 ft (KB) To 3436.00 ft (KB) (TVD)**

Total Depth: 3436.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2036.00 ft (KB)

2029.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6669

Inside

Press@RunDepth: 41.87 psig @ 3391.00 ft (KB)

Start Date: 2009.03.10

End Date:

2009.03.10

Capacity: 7000.00 psig

Last Calib.: 2009.03.10

Start Time: 15:30:32

End Time:

21:24:01

Time On Btm: 2009.03.10 @ 17:06:01

Time Off Btm: 2009.03.10 @ 20:06:31

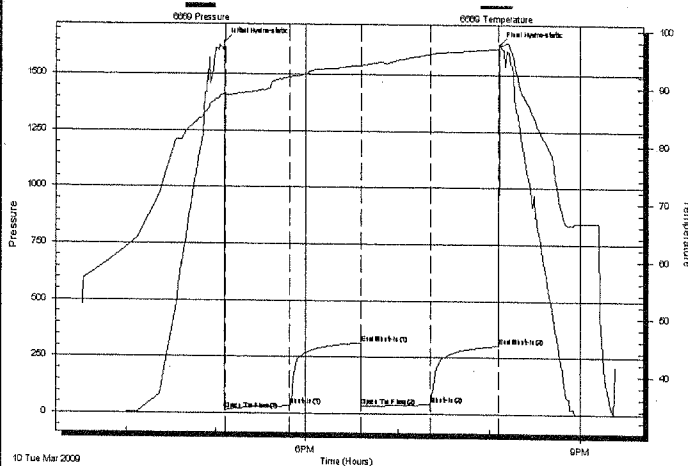
TEST COMMENT: IFP-Weak surface blow built to 2"

ISI-no blow back

FFP-Weak surface blow built to .5"

FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

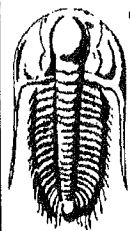
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.02	88.97	Initial Hydro-static
1	13.78	88.64	Open To Flow (1)
44	32.48	91.88	Shut-In(1)
91	312.64	93.98	End Shut-In(1)
91	33.86	93.91	Open To Flow (2)
135	41.87	95.97	Shut-In(2)
180	302.80	96.95	End Shut-In(2)
181	1630.99	97.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSOCM 2%O, 98%M	0.57

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36312

DST#:4

ATTN: Marc Downing

Test Start: 2009.03.10 @ 15:30:31

Tool Information

Drill Pipe:	Length: 3365.00 ft	Diameter: 3.82 inches	Volume: 47.70 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 47.85 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3386.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	71.00 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			3366.00	
Shut In Tool	5.00			3371.00	
Hydraulic tool	5.00			3376.00	
Packer	5.00			3381.00	21.00 Bottom Of Top Packer
Packer	5.00			3386.00	
Stubb	1.00			3387.00	
Perforations	3.00			3390.00	
Change Over Sub	1.00			3391.00	
Recorder	0.00	6672	Inside	3391.00	
Recorder	0.00	6669	Inside	3391.00	
Blank Spacing	31.00			3422.00	
Change Over Sub	1.00			3423.00	
Perforations	10.00			3433.00	
Bullnose	3.00			3436.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36312

DST#: 4

ATTN: Marc Downing

Test Start: 2009.03.10 @ 15:30:31

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSOCM 2%O,98%M	0.573

Total Length: 60.00 ft

Total Volume: 0.573 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

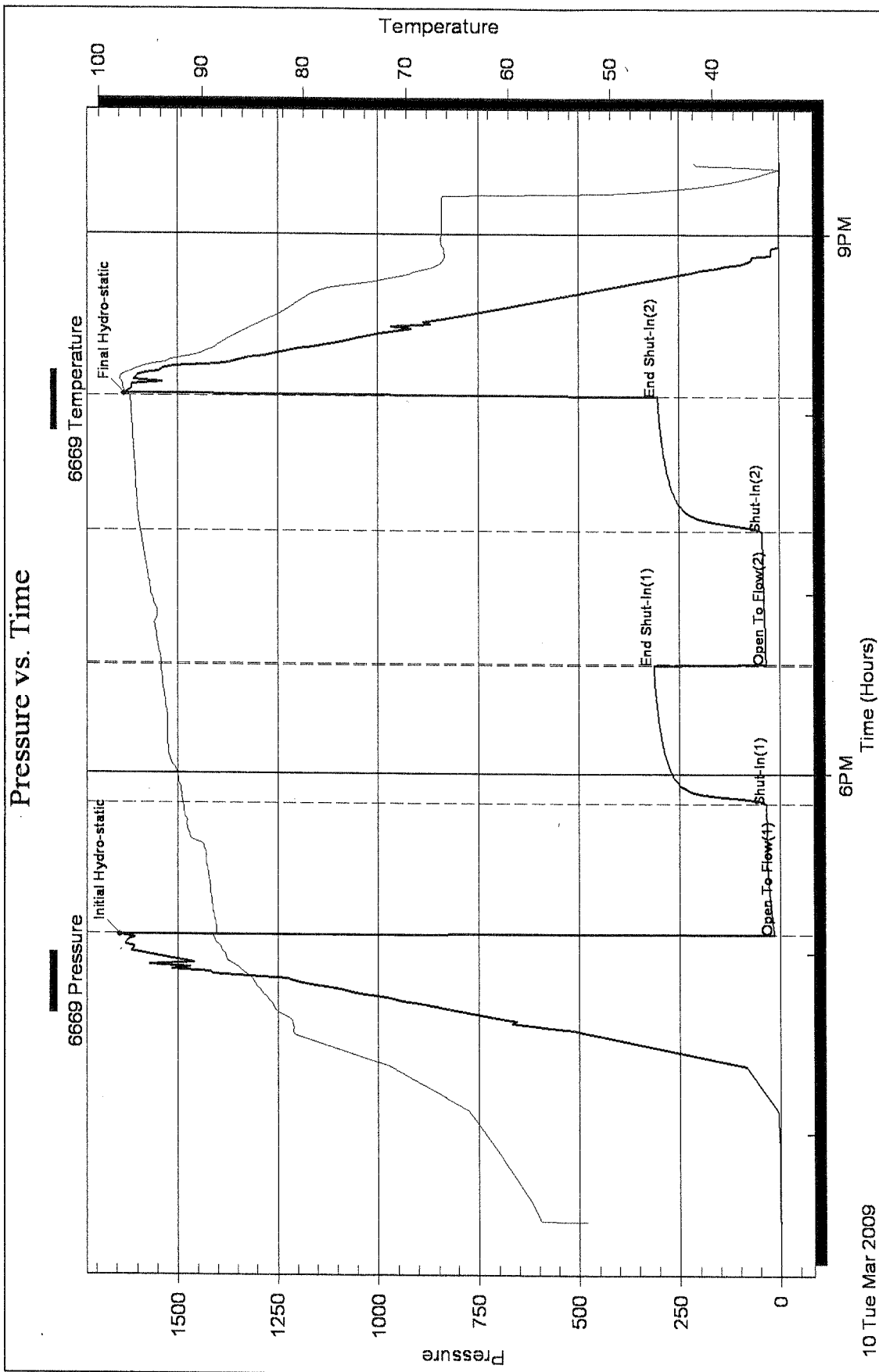
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **American Warrior**

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

5-8s-21w Graham KS

Kenyon #4-5

Start Date: 2009.03.11 @ 09:02:04

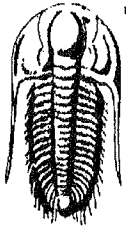
End Date: 2009.03.11 @ 15:01:34

Job Ticket #: 36313 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

American Warrior

PO Box 399
Garden City, KS 67846

ATTN: Marc Downing

Kenyon #4-5

5-8s-21w Graham KS

Job Ticket: 36313

DST#: 5

Test Start: 2009.03.11 @ 09:02:04

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:24:04

Time Test Ended: 15:01:34

Interval: **3529.00 ft (KB) To 3556.00 ft (KB) (TVD)**

Total Depth: 3556.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Reference Elevations: 2036.00 ft (KB)

2029.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6672

Inside

Press@RunDepth: 55.48 psig @ 3530.00 ft (KB)

Start Date: 2009.03.11

End Date:

2009.03.11

Start Time: 09:02:05

End Time:

15:01:34

Capacity: 7000.00 psig

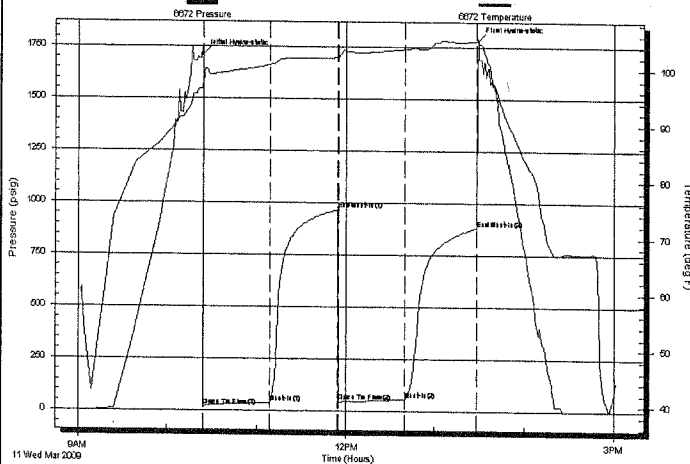
Last Calib.: 2009.03.11

Time On Btm: 2009.03.11 @ 10:23:49

Time Off Btm: 2009.03.11 @ 13:29:34

TEST COMMENT: IFP-Weak surface blow built to 5.5"
ISI-Weak surface blow back died in 5 min
FFP-Weak surface blow built to 5"
FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

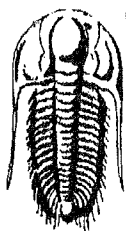
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.08	97.96	Initial Hydro-static
1	19.11	97.23	Open To Flow (1)
46	38.96	100.85	Shut-In (1)
90	966.89	102.17	End Shut-In (1)
91	44.87	101.65	Open To Flow (2)
136	55.48	103.71	Shut-In (2)
185	882.43	105.11	End Shut-In (2)
186	1784.46	104.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 20%O,80%M	0.15
90.00	Tarry CO	1.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36313

DST#: 5

ATTN: Marc Downing

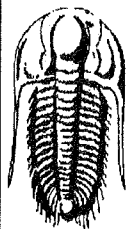
Test Start: 2009.03.11 @ 09:02:04

Tool Information

Drill Pipe:	Length: 3482.00 ft	Diameter: 3.82 inches	Volume: 49.36 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	49.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3529.00 ft			Final	66000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	48.00 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			3513.00	
Change Over Sub	1.00			3514.00	
Hydraulic tool	5.00			3519.00	
Packer	5.00			3524.00	21.00 Bottom Of Top Packer
Packer	5.00			3529.00	
Stubb	1.00			3530.00	
Recorder	0.00	6669	Inside	3530.00	
Recorder	0.00	6672	Inside	3530.00	
Perforations	23.00			3553.00	
Bullnose	3.00			3556.00	27.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior

Kenyon #4-5

PO Box 399
Garden City, KS 67846

5-8s-21w Graham KS

Job Ticket: 36313

DST#: 5

ATTN: Marc Downing

Test Start: 2009.03.11 @ 09:02:04

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 20%O,80%M	0.148
90.00	Tarry CO	1.276

Total Length: 120.00 ft

Total Volume: 1.424 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

