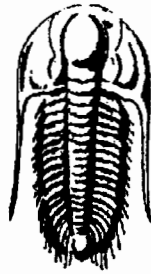


15-165-23191

27-7s-24w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **AA Drilling**

Box 100
Hill City KS 67642

ATTN: Chris Bean

27 7S 24W Graham KS

Brown #2

Start Date: 2006.07.06 @ 20:03:29

End Date: 2006.07.07 @ 05:01:14

Job Ticket #: 25181 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

AA Drilling

Brown #2

27 7S 24W Graham KS

DST # 1

Wabaunsee

2006.07.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

AA Drilling

Box 100
Hill City KS 67642

ATTN: Chris Bean

Brown #2

27 7S 24W Graham KS

Job Ticket: 25181

DST#: 1

Test Start: 2006.07.06 @ 20:03:29

GENERAL INFORMATION:

Formation: **Wabaunsee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:56:44

Time Test Ended: 05:01:14

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **3356.00 ft (KB) To 3402.00 ft (KB) (TVD)**

Total Depth: 3402.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2418.00 ft (KB)

2413.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 218.45 psig @ 3363.01 ft (KB)

Start Date: 2006.07.06

End Date:

2006.07.07

Start Time: 20:03:31

End Time:

05:01:14

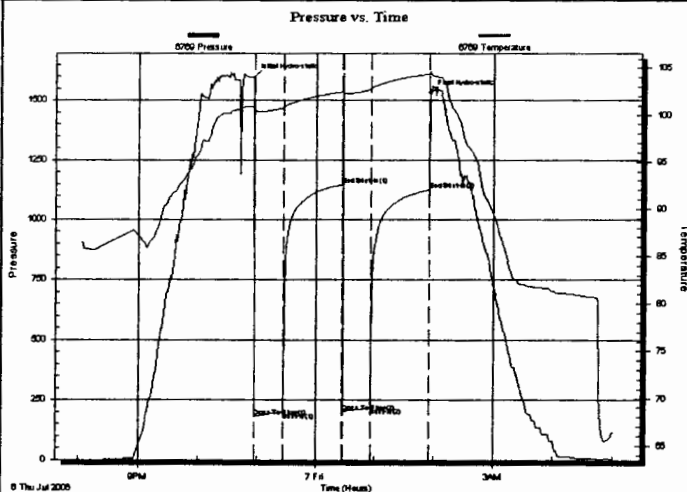
Capacity: 7000.00 psig

Last Calib.: 2006.07.07

Time On Btm: 2006.07.06 @ 22:56:29

Time Off Btm: 2006.07.07 @ 01:55:29

TEST COMMENT: IFP Weak blow throughout no blow - 3 "
ISI No blow back
FFP Weak blow throughout no blow - 3 "
FSI No blow back



PRESSURE SUMMARY

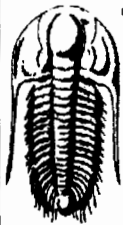
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.41	100.89	Initial Hydro-static
1	180.95	100.28	Open To Flow (1)
30	198.63	100.76	Shut-In(1)
90	1145.66	102.48	End Shut-In(1)
92	200.80	102.12	Open To Flow (2)
120	218.45	102.75	Shut-In(2)
179	1125.04	104.38	End Shut-In(2)
180	1529.79	104.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
450.00	100%M	6.04

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

AA Drilling

Brown #2

Box 100
Hill City KS 67642

27 7S 24W Graham KS

Job Ticket: 25181 DST#: 1

ATTN: Chris Bean

Test Start: 2006.07.06 @ 20:03:29

Tool Information

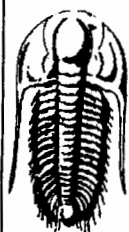
Drill Pipe:	Length: 3314.00 ft	Diameter: 3.80 inches	Volume: 46.49 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 46.64 bbl	Tool Chased 24.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3356.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.02 ft			
Tool Length:	66.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool slid 15' opened for 8 min. Hit bridge - packer failurer. Picked up and reset tool - slid 8' more. Tool opened and ran test

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3341.00	
HYD S.I. Tool	5.00			3346.00	
Packer	5.00			3351.00	20.00 Bottom Of Top Packer
Packer	5.00			3356.00	
Stubb	1.00			3357.00	
Perforations	6.00			3363.00	
Recorder	0.01	6769	Inside	3363.01	
Blank Spacing	31.00			3394.01	
Perforations	5.00			3399.01	
Recorder	0.01	13548	Outside	3399.02	
Bullnose	3.00			3402.02	46.02 Bottom Packers & Anchor

Total Tool Length: 66.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

AA Drilling

Brown #2

Box 100
Hill City KS 67642

27 7S 24W Graham KS

Job Ticket: 25181 **DST#: 1**

ATTN: Chris Bean

Test Start: 2006.07.06 @ 20:03:29

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: 85.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.72 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
450.00	100%M	6.039

Total Length: 450.00 ft

Total Volume: 6.039 bbl

Num Fluid Samples: 0

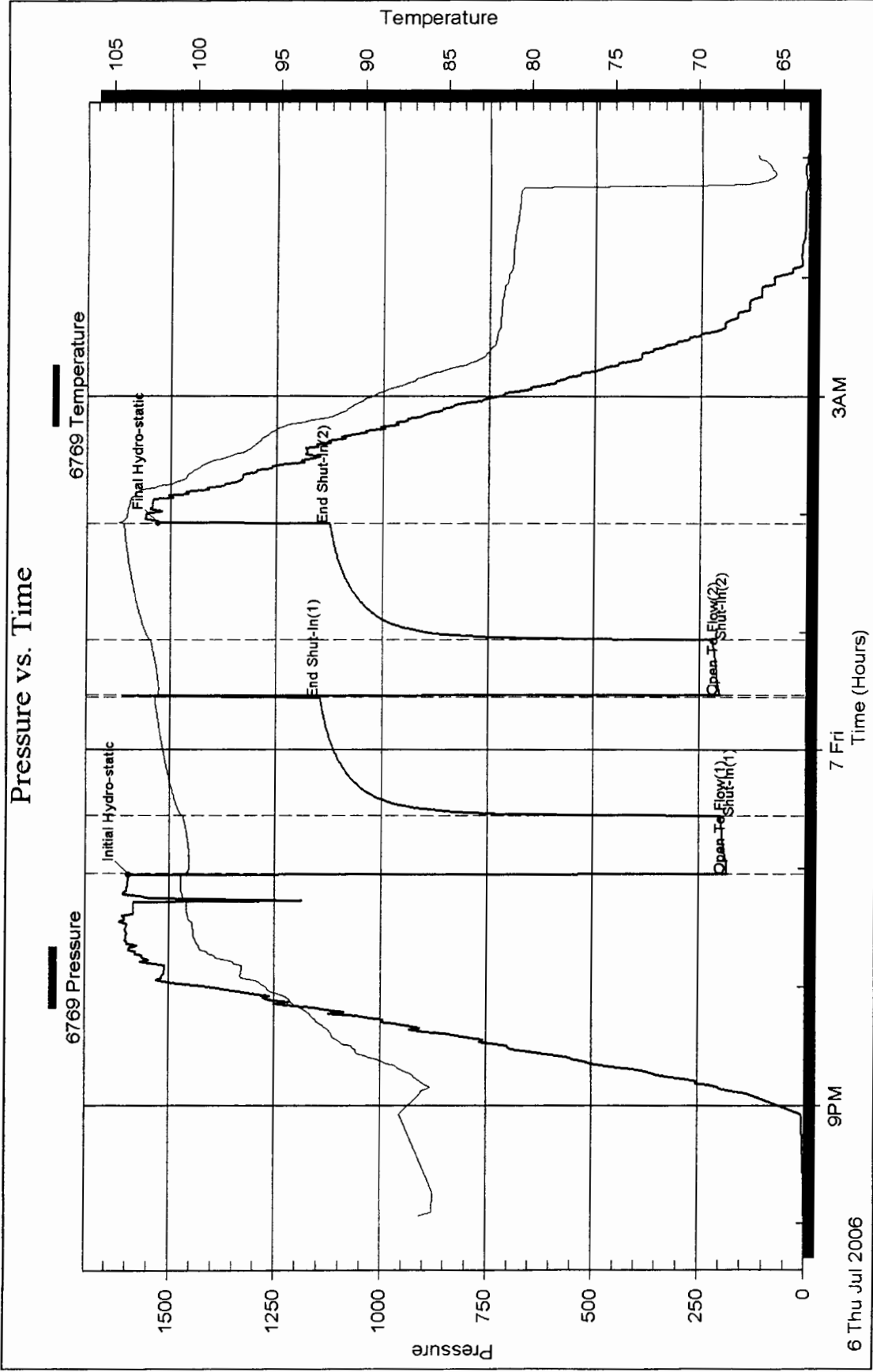
Num Gas Bombs: 0

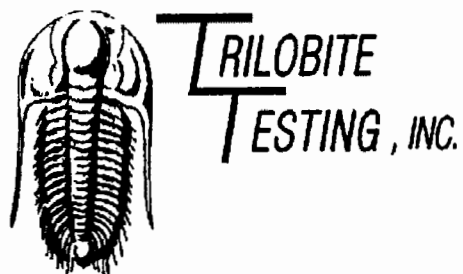
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **AA Drilling**

Box 100
Hill City KS 67642

ATTN: Chris Bean

27 7S 24W Graham KS

Brown #2

Start Date: 2006.07.08 @ 11:43:05

End Date: 2006.07.08 @ 19:02:48

Job Ticket #: 25182 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AA Drilling
Box 100
Hill City KS 67642
ATTN: Chris Bean

Brown #2
27 7S 24W Graham KS
Job Ticket: 25182 **DST#: 2**
Test Start: 2006.07.08 @ 11:43:05

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 14:24:33
Time Test Ended: 19:02:48

Test Type: **Conventional Bottom Hole**
Tester: **Brian Fairbank**
Unit No: **24**

Interval: **3692.00 ft (KB) To 3739.00 ft (KB) (TVD)**
Total Depth: **3739.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2418.00 ft (KB)**
2413.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6769

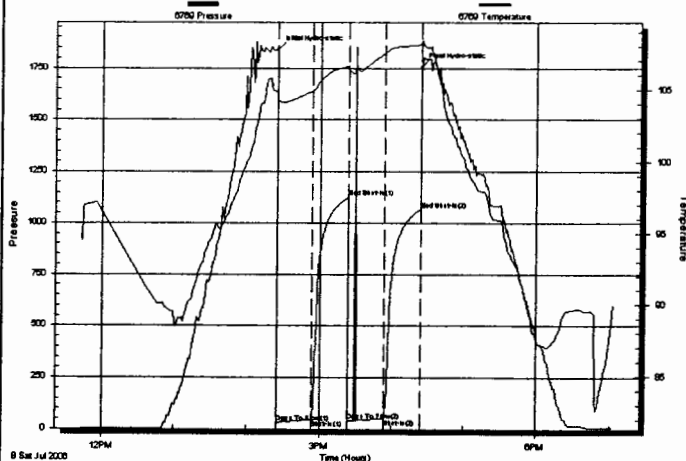
Inside

Press@RunDepth: **50.42 psig @ 3696.01 ft (KB)**
Start Date: **2006.07.08** End Date: **2006.07.08**
Start Time: **11:43:05** End Time: **19:02:48**

Capacity: **7000.00 psig**
Last Calib.: **2006.07.08**
Time On Btrc: **2006.07.08 @ 14:24:18**
Time Off Btrc: **2006.07.08 @ 16:24:18**

TEST COMMENT: **IFP Weak blow died in 20 min**
ISI No blow back
FFP No blow - flush tool no blow
FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.06	104.87	Initial Hydro-static
1	30.54	104.36	Open To Flow (1)
30	45.42	104.92	Shut-In (1)
59	1125.27	106.65	End Shut-In (1)
60	39.53	106.41	Open To Flow (2)
90	50.42	107.57	Shut-In (2)
120	1066.46	108.14	End Shut-In (2)
121	1757.33	108.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud w/ Ospts 100%M	0.36

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

AA Drilling

Brown #2

Box 100
Hill City KS 67642

27 7S 24W Graham KS

Job Ticket: 25182

DST#: 2

ATTN: Chris Bean

Test Start: 2006.07.08 @ 11:43:05

Tool Information

Drill Pipe:	Length: 3652.00 ft	Diameter: 3.80 inches	Volume: 51.23 bbl	Tool Weight: 2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 51.38 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3692.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.02 ft			
Tool Length:	67.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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S.I. Tool	5.00			3677.00	
HYD S.I. Tool	5.00			3682.00	
Packer	5.00			3687.00	20.00 Bottom Of Top Packer
Packer	5.00			3692.00	
Stubb	1.00			3693.00	
Perforations	3.00			3696.00	
Recorder	0.01	6769	Inside	3696.01	
Blank Spacing	30.00			3726.01	
Perforations	10.00			3736.01	
Recorder	0.01	13548	Outside	3736.02	
Bullnose	3.00			3739.02	47.02 Bottom Packers & Anchor

Total Tool Length: 67.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

AA Drilling

Brown #2

Box 100
Hill City KS 67642

27 7S 24W Graham KS

Job Ticket: 25182

DST#: 2

ATTN: Chris Bean

Test Start: 2006.07.08 @ 11:43:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud w/ Ospts 100%M	0.358

Total Length: 45.00 ft

Total Volume: 0.358 bbl

Num Fluid Samples: 0

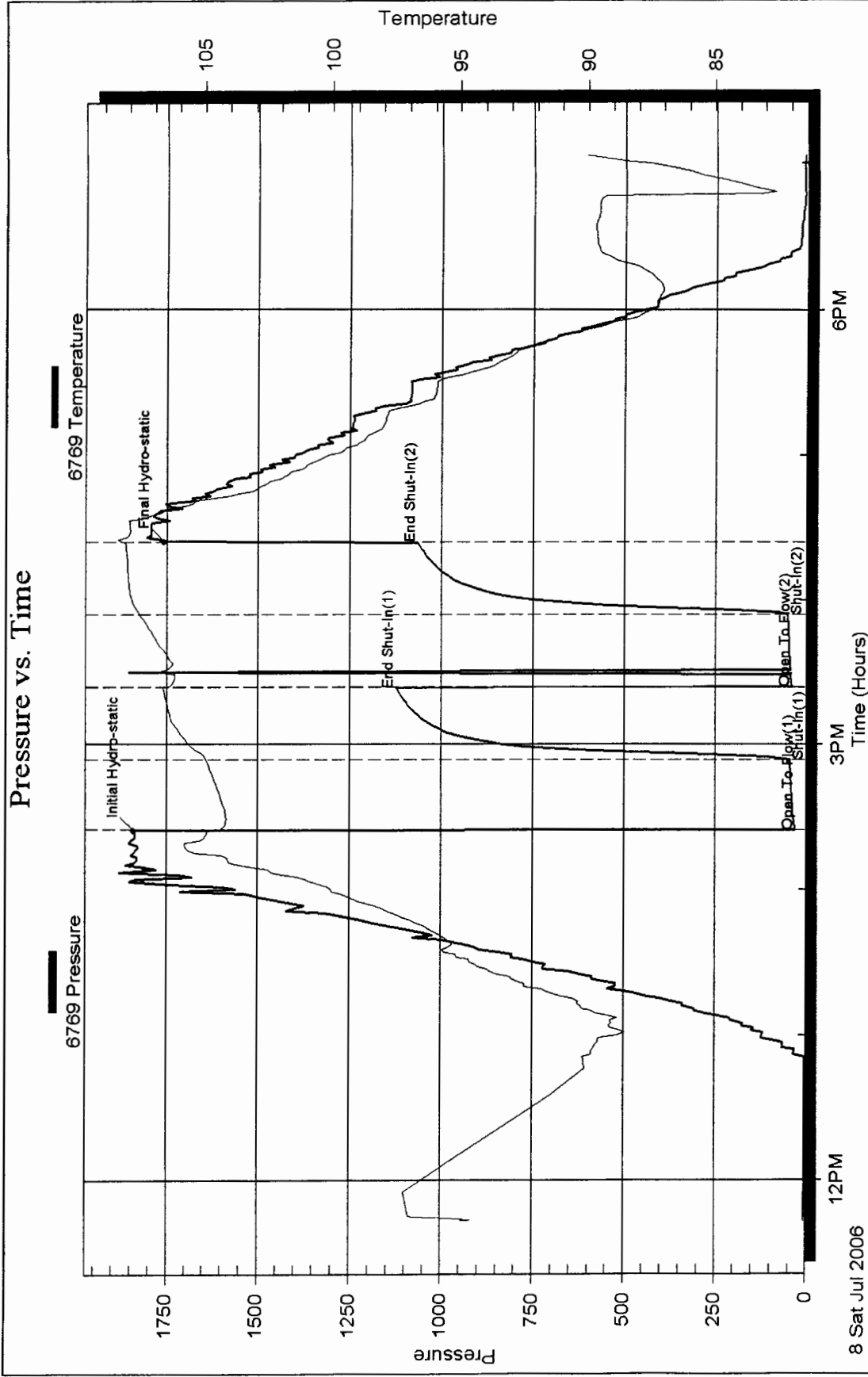
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **AA Drilling**

Box 100
Hill City KS 67642

ATTN: Chris Bean

27 7S 24W Graham KS

Brown #2

Start Date: 2006.07.10 @ 06:27:00

End Date: 2006.07.10 @ 13:29:58

Job Ticket #: 25183 DST #: 3

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AA Drilling
Box 100
Hill City KS 67642
ATTN: Chris Bean

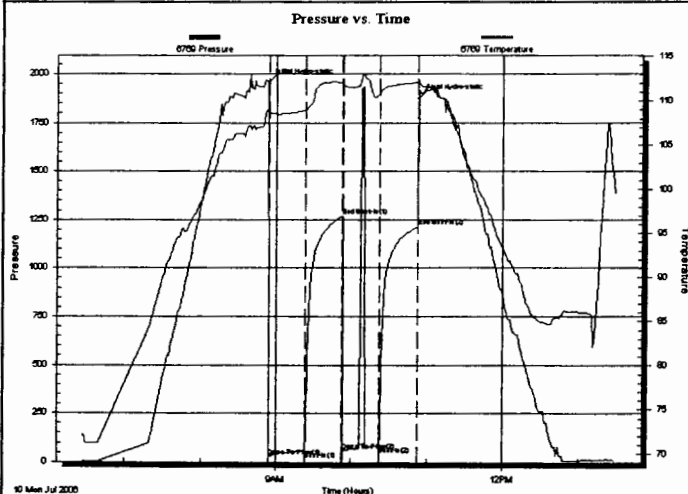
Brown #2
27 7S 24W Graham KS
Job Ticket: 25183 **DST#: 3**
Test Start: 2006.07.10 @ 06:27:00

GENERAL INFORMATION:

Formation: **LKC "I-K"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 08:53:58
Time Test Ended: 13:29:58
Interval: **3884.00 ft (KB) To 3962.00 ft (KB) (TVD)**
Total Depth: 3962.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 24
Reference Elevations: 2418.00 ft (KB)
2413.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 **Inside**
Press@RunDepth: 85.62 psig @ 3887.01 ft (KB)
Start Date: 2006.07.10 End Date: 2006.07.10
Start Time: 06:27:00 End Time: 13:29:58
Capacity: 7000.00 psig
Last Calib.: 2006.07.10
Time On Btmr: 2006.07.10 @ 08:53:28
Time Off Btmr: 2006.07.10 @ 10:53:13

TEST COMMENT: IFP Weak blow died 10 min
ISI No blow back
FFP Sur blow died 1 min flush tool sur blow died 2 min
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.18	109.05	Initial Hydro-static
1	30.57	108.68	Open To Flow (1)
30	60.34	109.00	Shut-In (1)
59	1267.72	112.06	End Shut-In (1)
60	60.49	111.79	Open To Flow (2)
89	85.62	110.90	Shut-In (2)
120	1213.35	112.08	End Shut-In (2)
120	1874.96	112.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WM 5%W 95%M	0.57
55.00	MUD w/O SPTS 100%M	0.77

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

AA Drilling

Brown #2

Box 100

27 7S 24W Graham KS

Hill City KS 67642

Job Ticket: 25183

DST#: 3

ATTN: Chris Bean

Test Start: 2006.07.10 @ 06:27:00

Tool Information

Drill Pipe:	Length: 3838.00 ft	Diameter: 3.80 inches	Volume: 53.84 bbl	Tool Weight:	2500.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	53.99 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	3884.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	78.02 ft				
Tool Length:	98.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

S.I. Tool	5.00			3869.00	
HYD S.I. Tool	5.00			3874.00	
Packer	5.00			3879.00	20.00 Bottom Of Top Packer
Packer	5.00			3884.00	
Stubb	1.00			3885.00	
Perforations	2.00			3887.00	
Recorder	0.01	6769	Inside	3887.01	
Blank Spacing	62.00			3949.01	
Perforations	10.00			3959.01	
Recorder	0.01	13548	Outside	3959.02	
Bullnose	3.00			3962.02	78.02 Bottom Packers & Anchor

Total Tool Length: 98.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

AA Drilling

Brown #2

Box 100
Hill City KS 67642

27 7S 24W Graham KS

Job Ticket: 25183

DST #: 3

ATTN: Chris Bean

Test Start: 2006.07.10 @ 06:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	WM 5%W 95%M	0.568
55.00	MUD w/O SPTS 100%M	0.772

Total Length: 115.00 ft

Total Volume: 1.340 bbl

Num Fluid Samples: 0

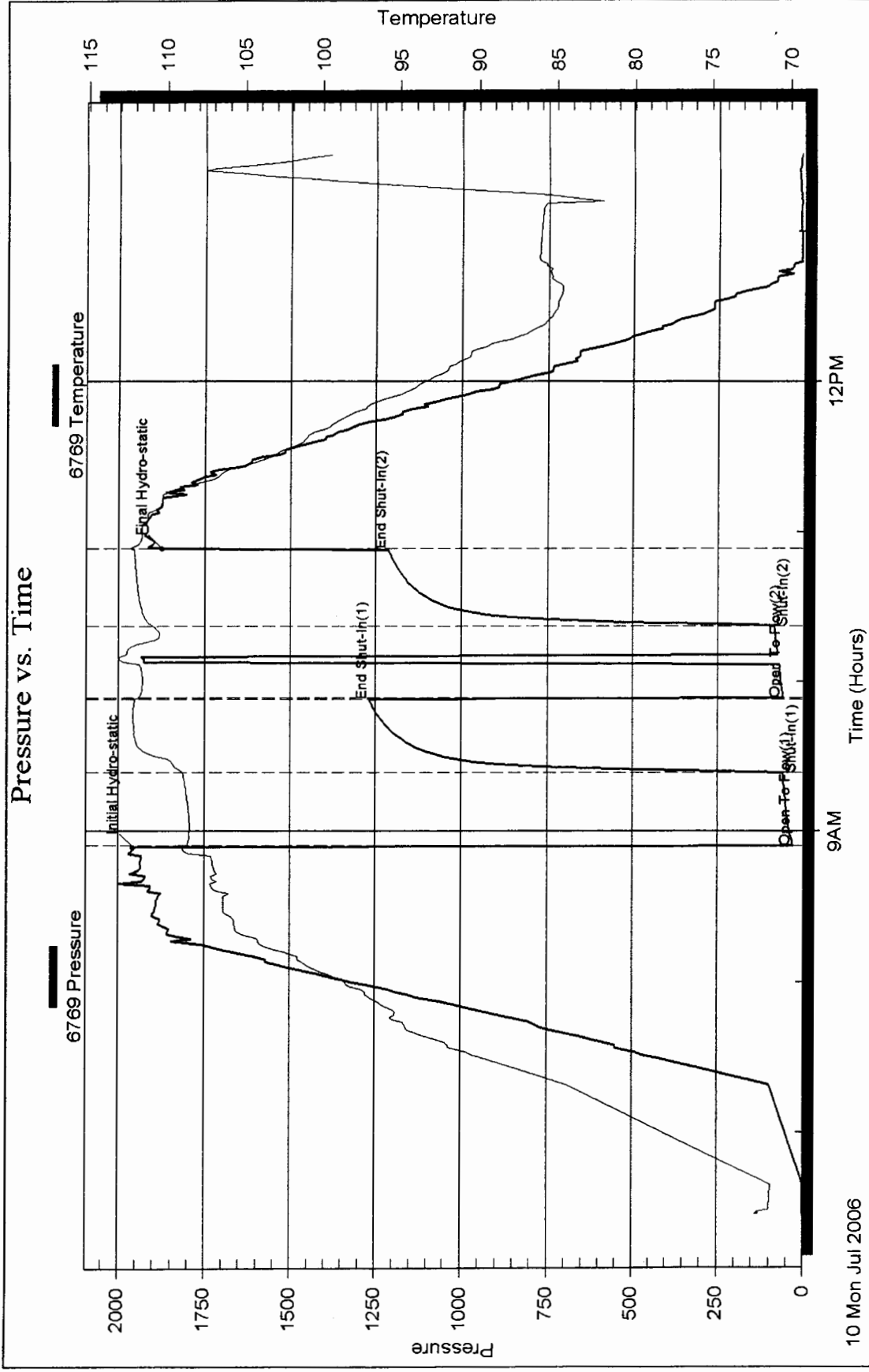
Num Gas Bombs: 0

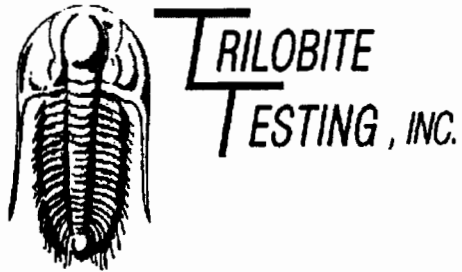
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **AA Drilling**

Box 100
Hill City KS 67642

ATTN: Chris Bean

27 7S 24W Graham KS

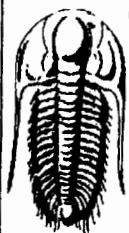
Brown #2

Start Date: 2006.07.10 @ 14:41:50

End Date: 2006.07.11 @ 00:50:03

Job Ticket #: 25184 DST #: 4

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

AA Drilling

Box 100
Hill City KS 67642

ATTN: Chris Bean

Brown #2

27 7S 24W Graham KS

Job Ticket: 25184

DST#: 4

Test Start: 2006.07.10 @ 14:41:50

GENERAL INFORMATION:

Formation: **Wabaunsee (2)**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:05:33

Time Test Ended: 00:50:03

Test Type: **Conventional Straddle**

Tester: **Brian Fairbank**

Unit No: **24**

Interval: **3364.00 ft (KB) To 3414.00 ft (KB) (TVD)**

Total Depth: **3962.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2418.00 ft (KB)**

2413.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6769

Ins ide

Press@RunDepth: **717.65 psig @ 3373.01 ft (KB)**

Start Date: **2006.07.10**

End Date:

2006.07.11

Start Time: **14:41:50**

End Time:

00:50:03

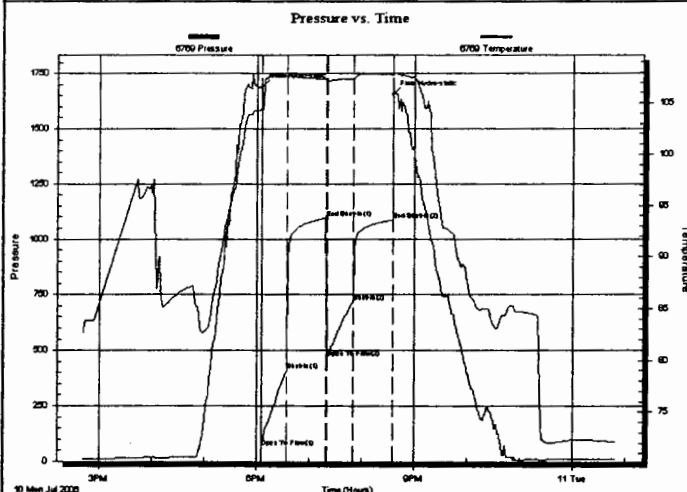
Capacity: **7000.00 psig**

Last Calib.: **2006.07.11**

Time On Btm: **2006.07.10 @ 18:05:03**

Time Off Btm: **2006.07.10 @ 20:35:18**

TEST COMMENT: IFP BOB 2 min
ISI No blow back
FFP BOB 2 min
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.39	104.33	Initial Hydro-static
1	63.23	104.10	Open To Flow (1)
29	409.03	107.58	Shut-In (1)
75	1093.06	107.34	End Shut-In (1)
75	465.28	107.10	Open To Flow (2)
106	717.65	107.37	Shut-In (2)
151	1085.89	107.75	End Shut-In (2)
151	1654.11	107.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1555.00	100%M	20.99

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

AA Drilling

Brown #2

Box 100
Hill City KS 67642

27 7S 24W Graham KS

Job Ticket: 25184 **DST#: 4**

ATTN: Chris Bean

Test Start: 2006.07.10 @ 14:41:50

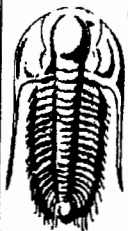
Tool Information

Drill Pipe:	Length: 3284.00 ft	Diameter: 3.80 inches	Volume: 46.07 bbl	Tool Weight:	2500.00 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: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose:	85000.00 lb
			Total Volume: 46.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3364.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	3963.03 ft				
Interval between Packers:	599.03 ft				
Tool Length:	619.03 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3349.00	
HYD S.I. Tool	5.00			3354.00	
Packer	5.00			3359.00	20.00 Bottom Of Top Packer
Packer	5.00			3364.00	
Stubb	1.00			3365.00	
Perforations	8.00			3373.00	
Recorder	0.01	6769	Inside	3373.01	
Blank Spacing	31.00			3404.01	
Perforations	5.00			3409.01	
Recorder	0.01	13548	Outside	3409.02	
Blank Off Sub	1.00			3410.02	
Shale Packer	5.00			3415.02	
Stubb	1.00			3416.02	
Perforations	2.00			3418.02	
Blank Spacing	527.00			3945.02	
Perforations	15.00			3960.02	
Recorder	0.01	13760	Below	3960.03	
Bullnose	3.00			3963.03	599.03 Bottom Packers & Anchor

Total Tool Length: 619.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

AA Drilling

Brown #2

Box 100

27 7S 24W Graham KS

Hill City KS 67642

Job Ticket: 25184

DST#: 4

ATTN: Chris Bean

Test Start: 2006.07.10 @ 14:41:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1555.00	100%M	20.993

Total Length: 1555.00 ft

Total Volume: 20.993 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

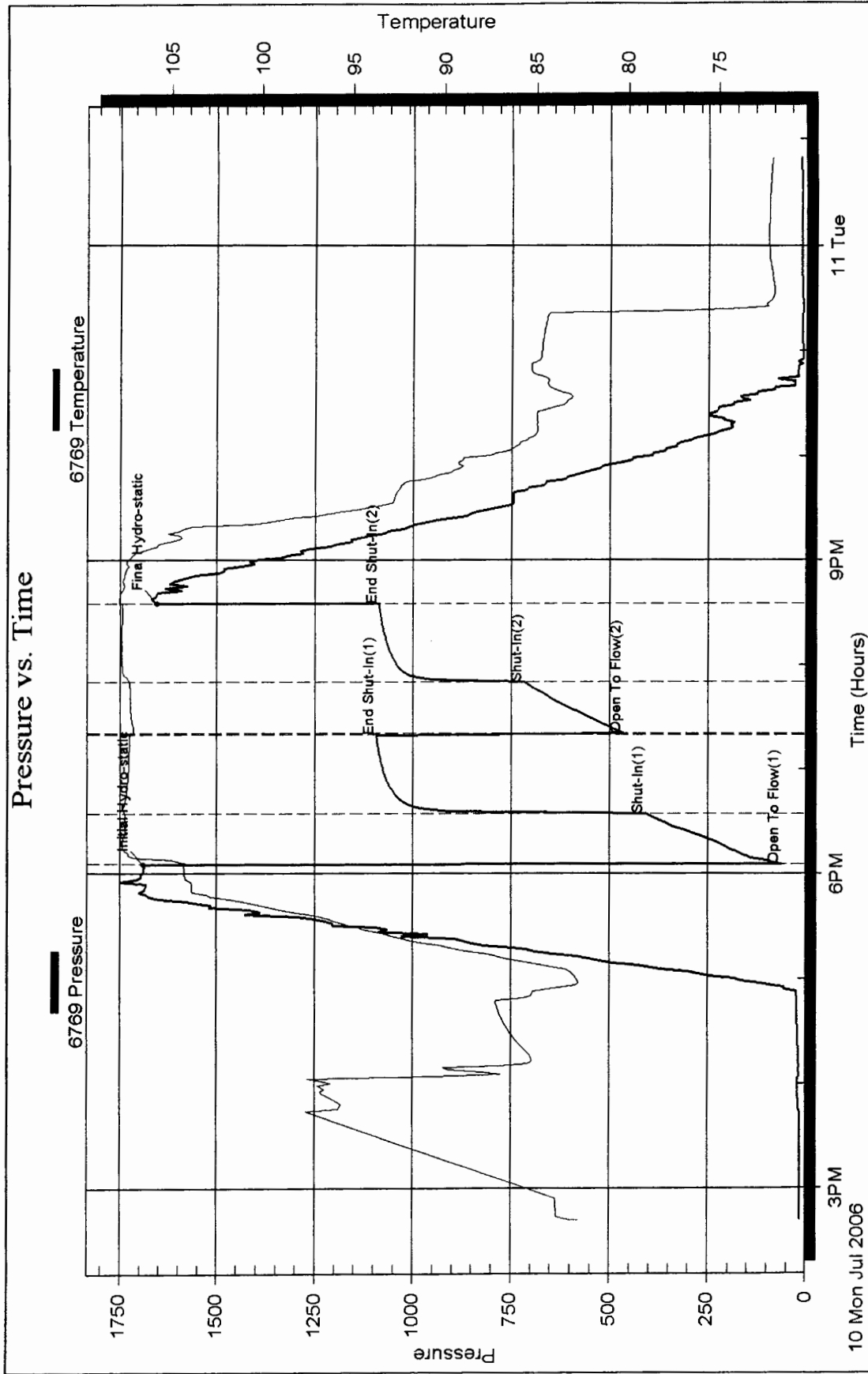
Recovery Comments:

Serial #: 6769

Inside AA Drilling

27 7S 24W Graham KS

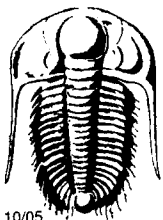
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 25184

Printed: 2006.07.11 @ 11:57:07 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25181

Test Ticket

Well Name & No. Brown #2 Test No. 1 Date 7-6-06
 Company AA Drilling Zone Tested Wabunsee
 Address Box 100 Hill City, 67642 Elevation 2418 KB 2413 GL
 Co. Rep / Geo. Chris Bean Rig AA 2
 Location: Sec. 27 Twp. 7^s Rge. 24^w Co. Graham State K
 Comment: _____ Release date / time: _____

Interval Tested 3356 - 3402 Initial Str Wt./Lbs. 30,000 Unseated Str Wt./Lbs. 32,000
 Anchor Length ~~3402~~ 46 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3351 Tool Weight 2500
 Bottom Packer Depth 3356 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3402 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.0 LCM - Vis. 85 WL 8.8 Drill Pipe Size 4 1/2 FH Ft. Run 3314
 Blow Description IFP - weak blow throughout no blow - 3 Tool slid 15' opened 8
ISI - no blow back min. - Packer failure -
FFP - weak blow throughout no blow - 3 Added up - reset slid 8'
FST - no blow back more - tool opened ran tes.

Recovery - Total Feet 450 GIP - Ft. in DC 30 Ft. in DP 420
 Rec. 450 Feet of mud %gas %oil %water 100 %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 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 800 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1597	PSI	Recorder No.	6769	Test	✓	1000.
(B) First Initial Flow Pressure			181	PSI	(depth)	3363	Jars		
(C) First Final Flow Pressure			199	PSI	Recorder No.	13548	Safety Jt.		
(D) Initial Shut-In Pressure			1146	PSI	(depth)	3397	Circ Sub		
(E) Second Initial Flow Pressure			201	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			218	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			1125	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1557	PSI	Initial Shut-In	60	Shale Packer		
					Final Flow	30	Ruined Packer		
					Final Shut-In	60	Mileage	✓	180.00 144 R
					T-On Location	1811	Sub Total:		1180.00
					T-Started	2003	Std. By	2.75	137.50
					T-Open	2256	Acc. Chg:		
					T-Pulled	0156	Other:		
					T-Out	0501	Total:		\$1317.50

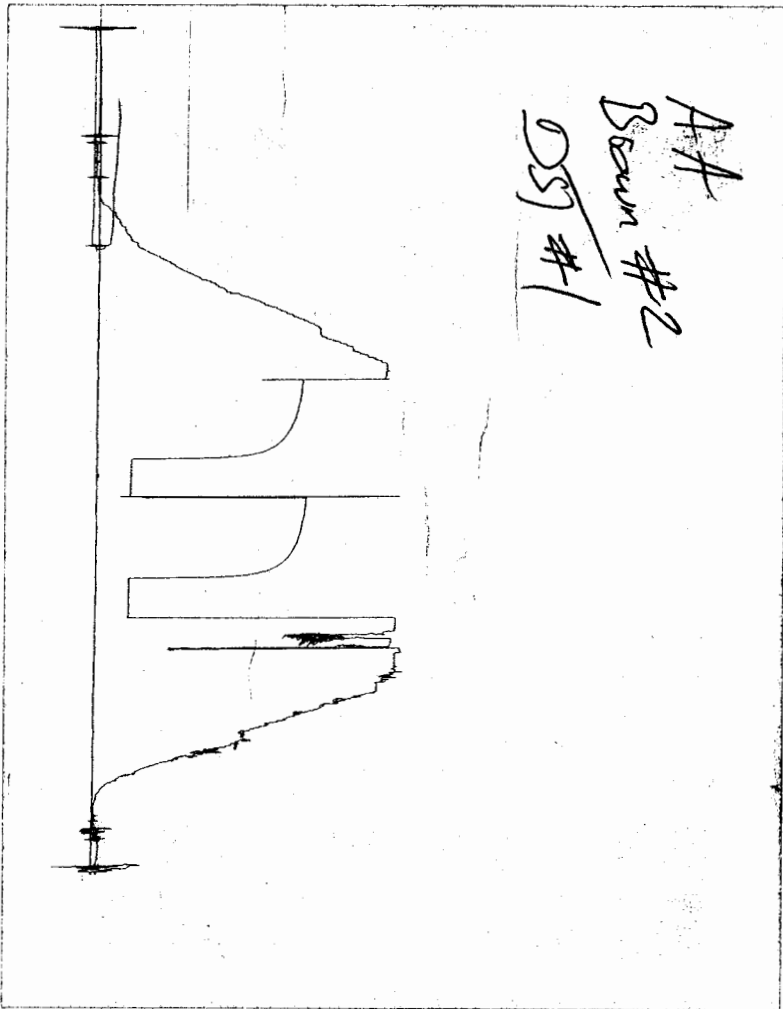
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

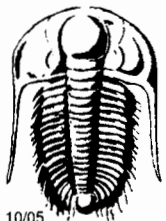
Approved By _____
 Our Representative Brian Fairbank (lms)

CHART PAGE

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

AK
Brown #2
DSJ #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25182

Test Ticket

Well Name & No. Brown #2 Test No. 2 Date 7-8-06
 Company AA Drilling Zone Tested Toronto
 Address Box 100 Hill City, MO 67642 Elevation 2418 KB 2413 GL
 Co. Rep / Geo. Chris Bean Rig AA 2
 Location: Sec. 27 Twp. 7S Rge. 24W Co. Graham State K
 Comment: work on logs 1 hour trip out w/ bit Release date / time: _____

Interval Tested 3692 - 3739 Initial Str Wt./Lbs. 32,000 Unseated Str Wt./Lbs. 32,000
 Anchor Length 47 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 45,000
 Top Packer Depth 3687 Tool Weight 2500
 Bottom Packer Depth 3692 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3739 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.6 LCM - Vis. 44 WL 8.0 Drill Pipe Size 4 1/2 FH Ft. Run 3652

Blow Description IFP- weak blow died 20 min
ISI- no blow back
FFP- no blow - flush tool- no blow
FSI- no blow back

Recovery - Total Feet 45 GIP - Ft. in DC 30 Ft. in DP 15
 Rec. 45 Feet of mud w/ 0 spts %gas spts %oil - %water 100 %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 108 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1840	PSI	Recorder No.	6769	Test	✓	1000
(B) First Initial Flow Pressure			31	PSI	(depth)	3696	Jars		
(C) First Final Flow Pressure			45	PSI	Recorder No.	13548	Safety Jt.		
(D) Initial Shut-In Pressure			1125	PSI	(depth)	3736	Circ Sub		
(E) Second Initial Flow Pressure			40	PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			50	PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			1066	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1793	PSI	Initial Shut-In	30	Shale Packer		

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Final Flow 30 Ruined Packer _____
 Final Shut-In 30 Mileage ✓144 180-
 T-On Location 0942 Sub Total: 1180
 T-Started 1143 Std. By 1.25 62.5
 T-Open 1424 Acc. Chg: _____
 T-Pulled 1624 Other: _____
 T-Out 1903 Total: \$1242.50

Approved By _____

Our Representative Brian Fairbank (Thank)

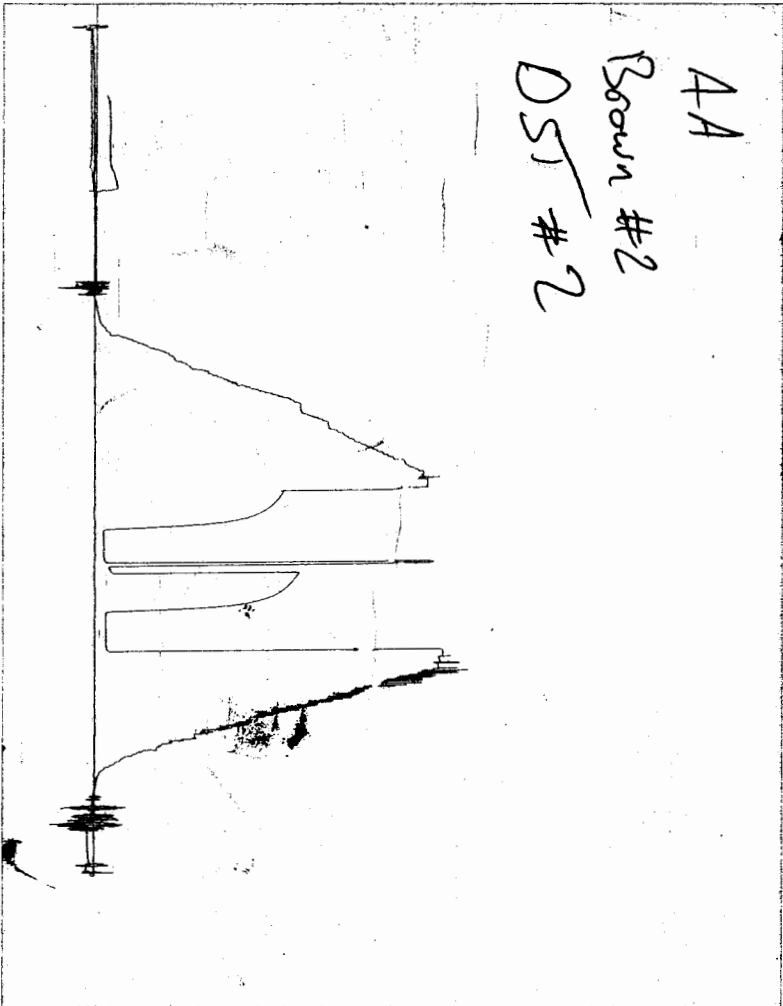
CHART PAGE

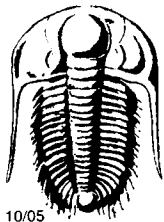
This is a photocopy of the actual AK-1 recorder chart.

4A

Brown #2

DSI #2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25183

Test Ticket

Well Name & No. <u>Brown #2</u>	Test No. <u>3</u>	Date <u>7-10-06</u>
Company <u>AA Drilling</u>	Zone Tested <u>LKC "I-K"</u>	
Address <u>Box 100 Hill, City, Ks 67642</u>	Elevation <u>2418</u>	KB <u>2413</u> GL
Co. Rep / Geo. <u>Chris Bean</u>	Rig <u>AA 2</u>	
Location: Sec. <u>27</u> Twp. <u>7^s</u> Rge. <u>24^w</u>	Co. <u>Graham</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3884-3962</u>	Initial Str Wt./Lbs. <u>32,000</u>	Unseated Str Wt./Lbs. <u>32,000</u>
Anchor Length <u>78</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>75,000</u>
Top Packer Depth <u>3879</u>	Tool Weight <u>2500</u>	
Bottom Packer Depth <u>3884</u>	Hole Size 7 7/8" <u>-</u>	Rubber Size 6 3/4" <u>-</u>
Total Depth <u>3962</u>	Wt. Pipe Run <u>-</u>	Drill Collar Run <u>30</u>
Mud Wt. <u>9.6</u> LCM <u>-</u> Vis. <u>45</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 FH</u>	Ft. Run <u>3838</u>
Blow Description <u>IFP-weak blow died 10 min</u>		
<u>ISI- no blow back</u>		
<u>FFP- sur blow died 1 min - flush tool - sur blow died 2 min</u>		
<u>FSI- no blow back</u>		

Recovery - Total Feet <u>115</u>	GIP <u>-</u>	Ft. in DC <u>30</u>	Ft. in DP <u>85</u>
Rec. <u>55</u>	Feet of <u>mud w/ 0 spt</u>	%gas <u>spts</u>	%oil <u>-</u> %water <u>100</u> %mud <u>-</u>
Rec. <u>60</u>	Feet of <u>-</u>	%gas <u>-</u>	%oil <u>-</u> %water <u>5</u> %mud <u>95</u>
Rec. <u>-</u>	Feet of <u>-</u>	%gas <u>-</u>	%oil <u>-</u> %water <u>-</u> %mud <u>-</u>
Rec. <u>-</u>	Feet of <u>-</u>	%gas <u>-</u>	%oil <u>-</u> %water <u>-</u> %mud <u>-</u>
Rec. <u>-</u>	Feet of <u>-</u>	%gas <u>-</u>	%oil <u>-</u> %water <u>-</u> %mud <u>-</u>
BHT <u>112</u>	*F Gravity <u>-</u>	*API D @ <u>-</u>	*F Corrected Gravity <u>-</u> *API <u>-</u>
RW <u>.349</u> @ <u>89</u>	*F Chlorides <u>14,500</u> ppm	Recovery <u>-</u>	Chlorides <u>2500</u> ppm System <u>-</u>

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1961</u>	PSI	<u>6769</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>31</u>	PSI	<u>3887</u>	Jars <u>-</u>
(C) First Final Flow Pressure	<u>60</u>	PSI	<u>13548</u>	Safety Jt. <u>-</u>
(D) Initial Shut-In Pressure	<u>1268</u>	PSI	<u>3959</u>	Circ Sub <u>-</u>
(E) Second Initial Flow Pressure	<u>60</u>	PSI	<u>-</u>	Sampler <u>-</u>
(F) Second Final Flow Pressure	<u>86</u>	PSI	<u>-</u>	Straddle <u>-</u>
(G) Final Shut-In Pressure	<u>1213</u>	PSI	<u>Initial Opening</u>	Ext. Packer <u>-</u>
(Q) Final Hydrostatic Mud	<u>1916</u>	PSI	<u>Initial Shut-In</u>	Shale Packer <u>-</u>

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Approved By Chris Bean

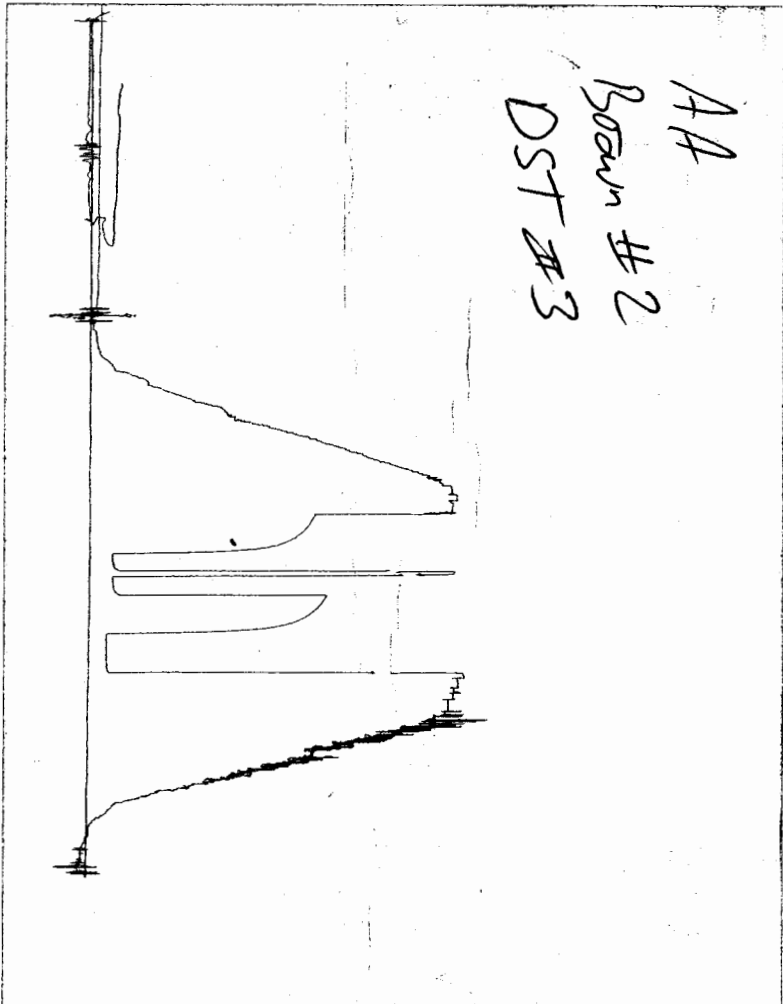
Our Representative Brian Fairbank (Thak)

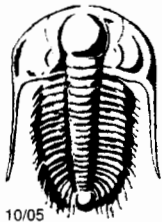
Final Flow <u>30</u>	Test <u>✓</u>
Final Shut-In <u>30</u>	Jars <u>-</u>
T-On Location <u>0617</u>	Safety Jt. <u>-</u>
T-Started <u>0626</u>	Circ Sub <u>-</u>
T-Open <u>0852</u>	Sampler <u>-</u>
T-Pulled <u>1052</u>	Straddle <u>-</u>
T-Out <u>1247</u>	Ext. Packer <u>-</u>
	Shale Packer <u>-</u>
	Ruined Packer <u>-</u>
	Mileage <u>✓30</u> <u>37.50</u>
	Sub Total: <u>1037.50</u>
	Std. By <u>-</u>
	Acc. Chg: <u>-</u>
	Other: <u>-</u>
	Total: <u>-</u>

CHART PAGE

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

AA
Boat #2
DST #3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25184

Test Ticket

Well Name & No. Brown #2 Test No. 4 Date 7-10-06
 Company AA Drilling Zone Tested Urbanssee (2)
 Address Box 100 Hill City, Ks 67642 Elevation 2418 KB 2413 GL
 Co. Rep / Geo. Chris Bean Rig AA 2
 Location: Sec. 27 Twp. 7 Rge. 24 Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3364 - 3414 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 50 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 85,000
 Top Packer Depth 3359 Tool Weight 25,00
 Bottom Packer Depth 3364 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3962 Wt. Pipe Run - Drill Collar Run 90
 Mud Wt. 9.6 LCM - Vis. 45 WL 8.8 Drill Pipe Size 4 1/2 FH Ft. Run 3284

Blow Description IFP- BOB 2 min
IST- no blow back
FFP- BOB 2 min
FSI- no blow back

Recovery - Total Feet 1555 GIP - Ft. in DC 90 Ft. in DP 1465
 Rec. 1555 Feet of mud %gas %oil %water 100 %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 108 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2500 ppm System

AK-1	Alpine	Recorder No.	6769	Test	✓	1000
(A) Initial Hydrostatic Mud	1687 PSI	(depth)	3373	Jars		
(B) First Initial Flow Pressure	63 PSI	Recorder No.	13548	Safety Jt.		
(C) First Final Flow Pressure	409 PSI	(depth)	3409	Circ Sub		
(D) Initial Shut-In Pressure	1093 PSI	Recorder No.	13760	Sampler		
(E) Second Initial Flow Pressure	465 PSI	(depth)	3960	Straddle	✓	350
(F) Second Final Flow Pressure	718 PSI	Initial Opening	30	Ext. Packer	✓	250
(G) Final Shut-In Pressure	1086 PSI	Initial Shut-In	45	Shale Packer	✓	200
(Q) Final Hydrostatic Mud	1656 PSI	Final Flow	30	Ruined Packer		
		Final Shut-In	45	Mileage	✓ 144	180
		T-On Location	1426	Sub Total:		1980
		T-Started	1441	Std. By	225	112.5
		T-Open	1804	Acc. Chg:		
		T-Pulled	2034	Other:		
		T-Out	2049	Total:		\$2092.50

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Approved By [Signature]
 Our Representative Brian Fairbank (Pinky)

CHART PAGE

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

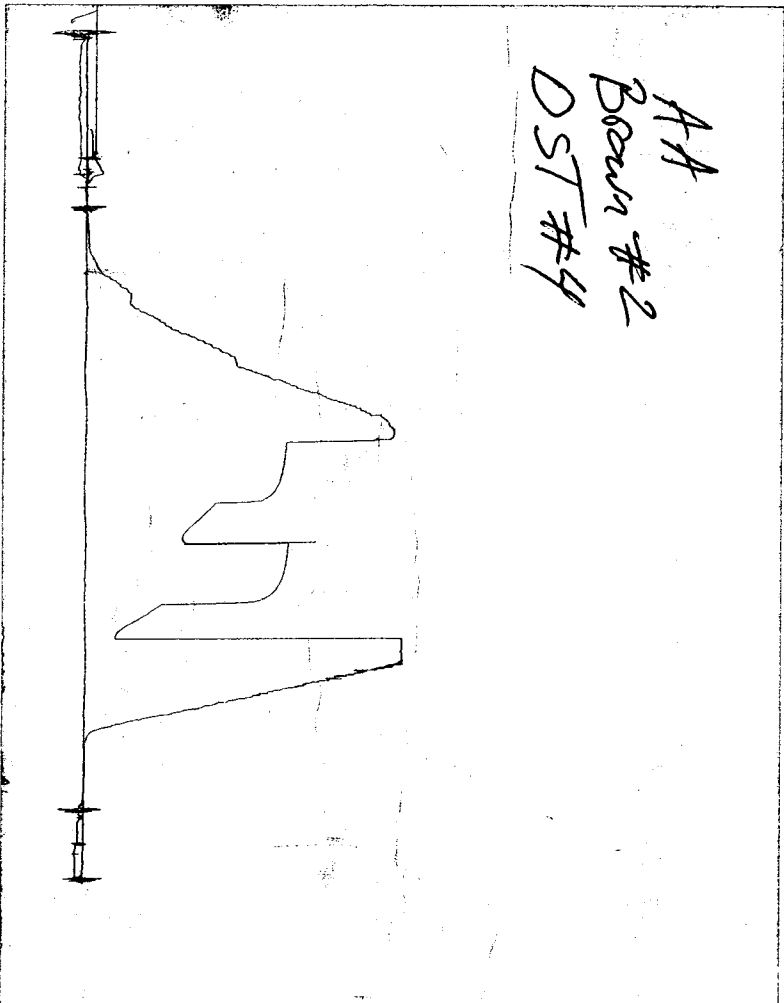


CHART PAGE

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

