

DRILL STEM TEST REPORT

Prepared For: **Gateway Resources LLC**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

8 7S 22W Graham KS

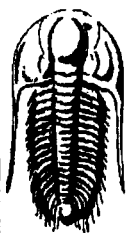
Worcester #1-8

Start Date: 2006.12.01 @ 03:42:21

End Date: 2006.12.01 @ 06:32:51

Job Ticket #: 27577 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

Gateway Resources LLC

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Worcester #1-8

8 7S 22W Graham KS

Job Ticket: 27577

DST#: 1

Test Start: 2006.12.01 @ 03:42:21

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 06:32:51

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3551.00 ft (KB) To 3572.00 ft (KB) (TVD)**

Total Depth: 3572.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2312.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: psig @ 3554.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.12.01

End Date:

2006.12.01

Last Calib.: 2006.12.01

Start Time: 03:42:23

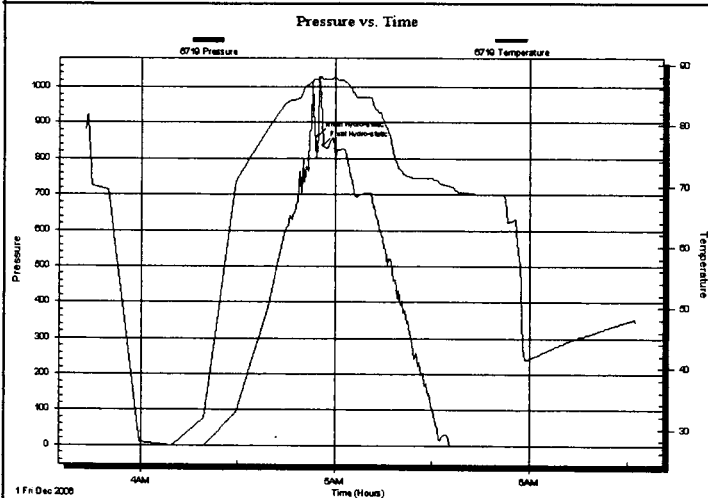
End Time:

06:32:51

Time On Btm: 2006.12.01 @ 04:54:36

Time Off Btm: 2006.12.01 @ 04:56:06

TEST COMMENT: Tool Slid 2 Stands From end of 4th row From Bottom Lost Circulation Pull Tool



PRESSURE SUMMARY

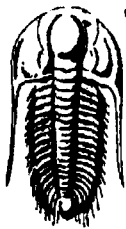
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	863.29	87.53	Initial Hydro-static
2	835.96	87.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27577

DST#: 1

ATTN: Gary Gensch

Test Start: 2006.12.01 @ 03:42:21

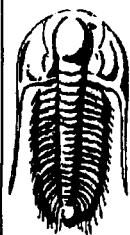
Tool Information

Drill Pipe:	Length:	ft	Diameter:	3.80 inches	Volume:	- bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.70 inches	Volume:	- bbl	Weight set on Packer:	lb
Drill Collar:	Length:	ft	Diameter:	2.25 inches	Volume:	- bbl	Weight to Pull Loose:	lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	-3530.00	ft					String Weight: Initial	lb
Depth to Top Packer:	3551.00	ft					Final	lb
Depth to Bottom Packer:		ft						
Interval between Packers:	21.00	ft						
Tool Length:	42.00	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			3531.00	
Shut In Tool	5.00			3536.00	
Hydraulic tool	5.00			3541.00	
Packer	5.00			3546.00	21.00 Bottom Of Top Packer
Packer	5.00			3551.00	
Stubb	1.00			3552.00	
Perforations	2.00			3554.00	
Recorder	0.00	6719	Inside	3554.00	
Perforations	15.00			3569.00	
Recorder	0.00	13221	Outside	3569.00	
Bullnose	3.00			3572.00	21.00 Bottom Packers & Anchor

Total Tool Length: 42.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27577

DST#: 1

ATTN: Gary Gensch

Test Start: 2006.12.01 @ 03:42:21

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

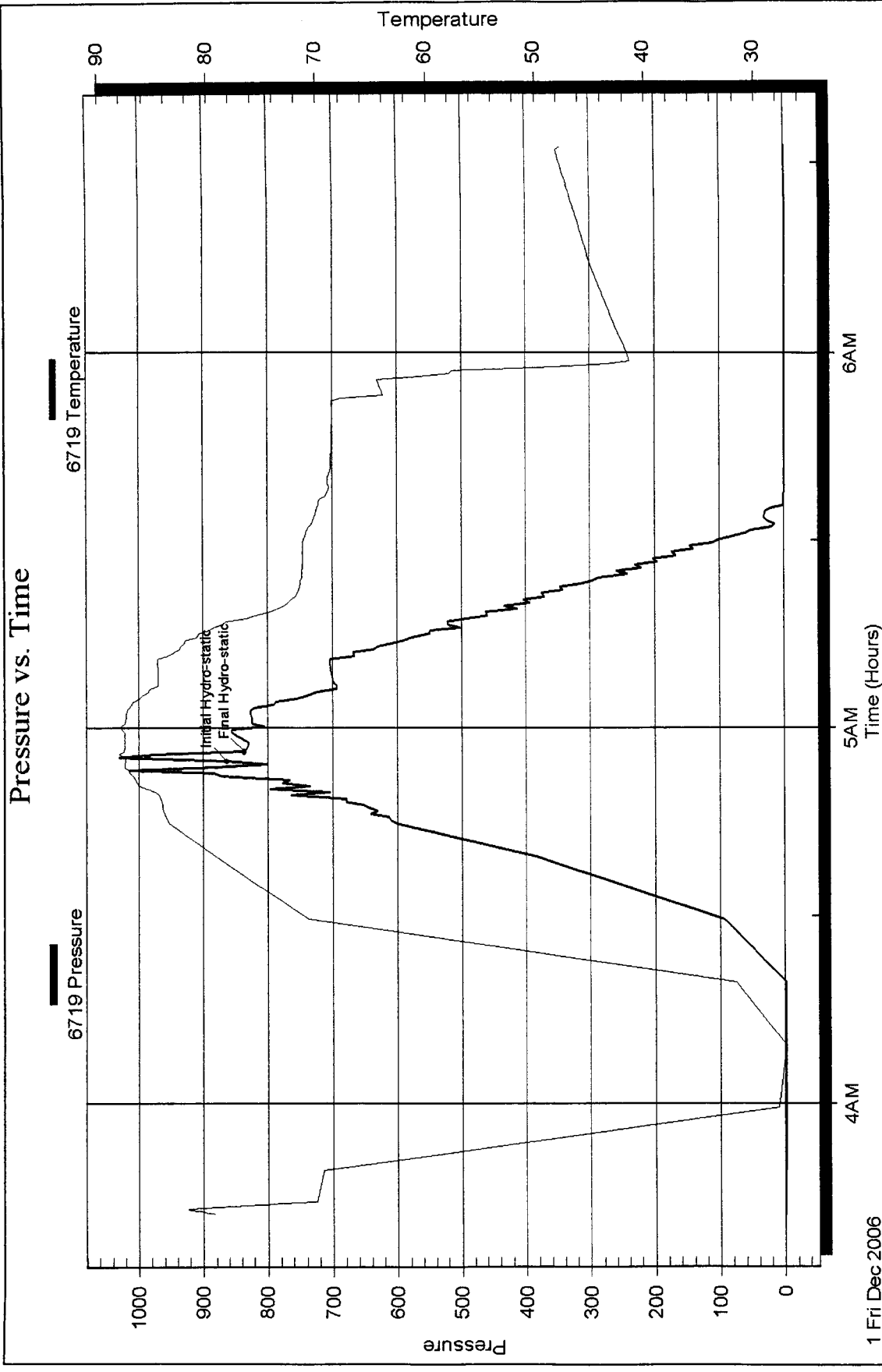
Serial #:

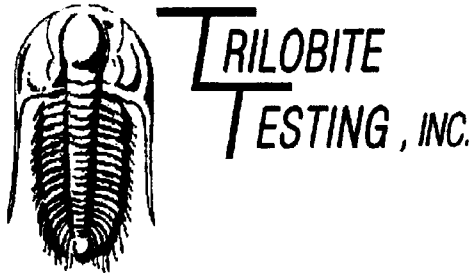
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gateway Resources LLC**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

8 7S 22W Graham KS

Worcester #1-8

Start Date: 2006.12.02 @ 00:16:30

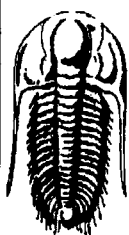
End Date: 2006.12.02 @ 07:10:45

Job Ticket #: 27578 DST #: 2

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Gateway Resources LLC

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Worcester #1-8

8 7S 22W Graham KS

Job Ticket: 27578

DST#: 2

Test Start: 2006.12.02 @ 00:16:30

GENERAL INFORMATION:

Formation: **Lansing - "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:20:30

Time Test Ended: 07:10:45

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3553.00 ft (KB) To 3572.00 ft (KB) (TVD)**

Total Depth: 3572.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2312.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 625.59 psig @ 3554.00 ft (KB)

Start Date: 2006.12.02

End Date:

2006.12.02

Start Time: 00:16:32

End Time:

07:10:45

Capacity: 7000.00 psig

Last Calib.: 2006.12.02

Time On Btm: 2006.12.02 @ 02:20:15

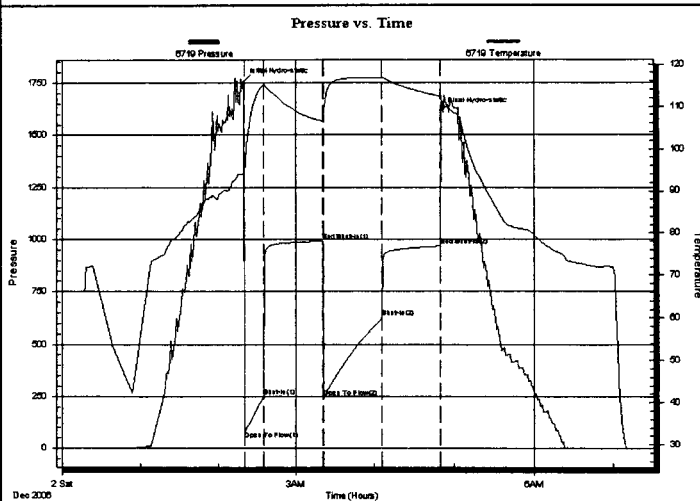
Time Off Btm: 2006.12.02 @ 04:50:30

TEST COMMENT: IFP Strong BOB in 2 Min. 45 Sec

ISI Blow back Built to 1 "

FFP Strong BOB in 2-1/2 Min

FSI



PRESSURE SUMMARY

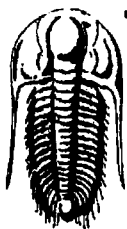
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.52	93.78	Initial Hydro-static
1	40.24	93.28	Open To Flow (1)
15	247.06	115.04	Shut-In(1)
61	988.40	106.43	End Shut-In(1)
61	246.31	106.42	Open To Flow (2)
106	625.59	116.73	Shut-In(2)
150	966.26	112.38	End Shut-In(2)
151	1613.20	112.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1265.00	SMW 99%W 1%M	16.67

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27578

DST#: 2

ATTN: Gary Gensch

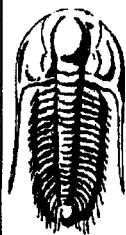
Test Start: 2006.12.02 @ 00:16:30

Tool Information

Drill Pipe:	Length: 3417.00 ft	Diameter: 3.80 inches	Volume: 47.93 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	48.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3553.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	47.00 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			3526.00	
Shut In Tool	5.00			3531.00	
Hydraulic tool	5.00			3536.00	
Jars	5.00			3541.00	
Safety Joint	2.00			3543.00	
Packer	5.00			3548.00	28.00 Bottom Of Top Packer
Packer	5.00			3553.00	
Stubb	1.00			3554.00	
Perforations	0.00			3554.00	
Recorder	0.00	6719	Inside	3554.00	
Perforations	15.00			3569.00	
Recorder	0.00	13221	Outside	3569.00	
Bullnose	3.00			3572.00	19.00 Bottom Packers & Anchor

Total Tool Length: 47.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27578

DST#: 2

ATTN: Gary Gensch

Test Start: 2006.12.02 @ 00:16:30

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:

22000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1265.00	SMW 99%W 1%M	16.670

Total Length: 1265.00 ft

Total Volume: 16.670 bbl

Num Fluid Samples: 0

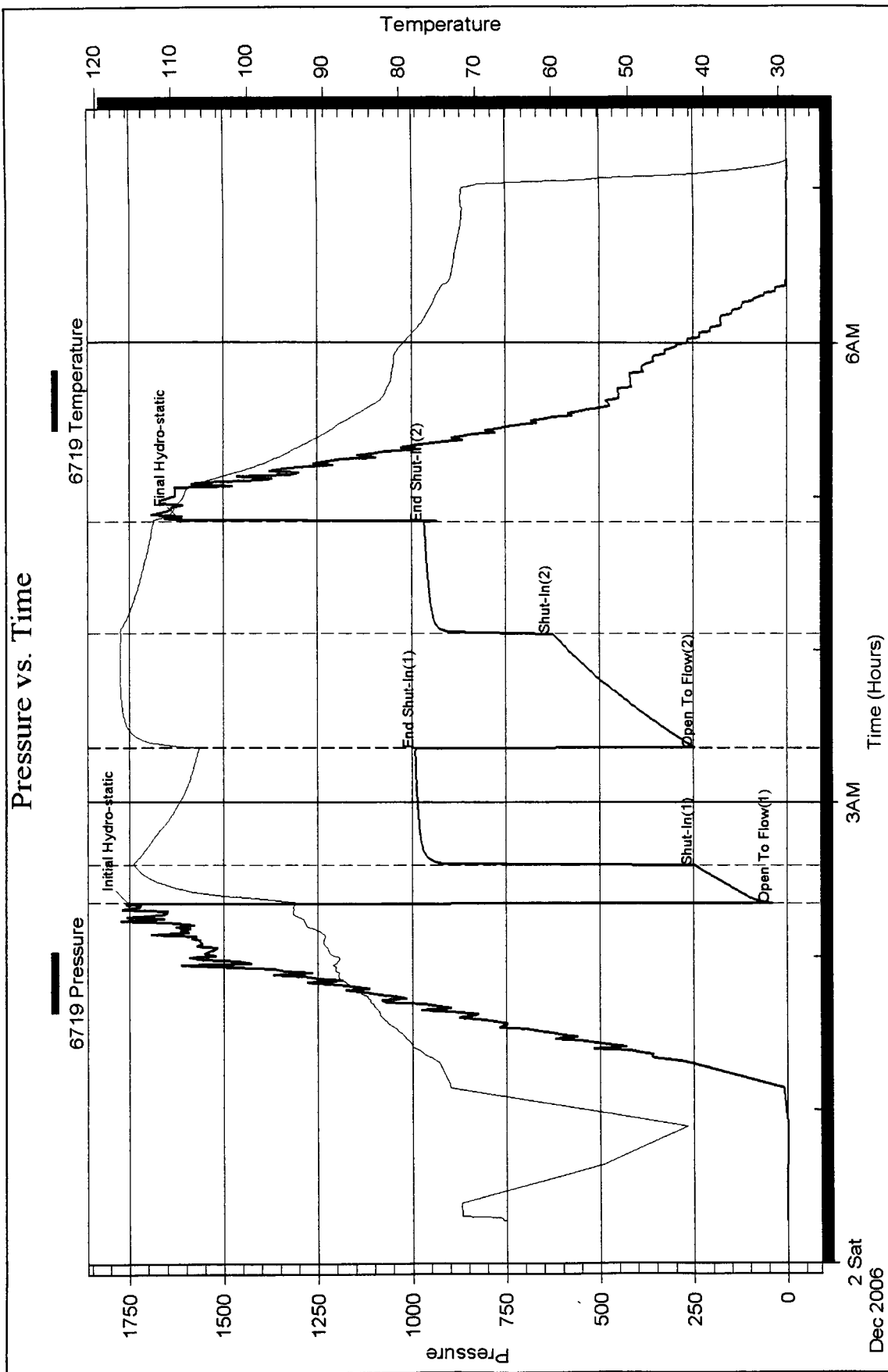
Num Gas Bombs: 0

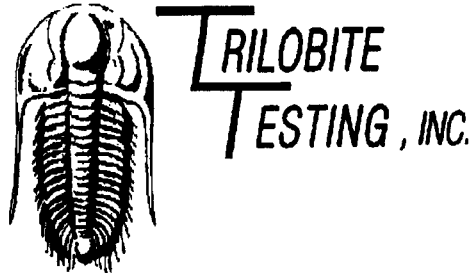
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Gateway Resources LLC**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

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Worcester #1-8

Start Date: 2006.12.02 @ 13:43:22

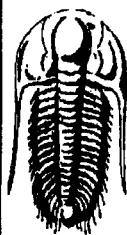
End Date: 2006.12.02 @ 19:23:07

Job Ticket #: 27579 DST #: 3

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DRILL STEM TEST REPORT

Gateway Resources LLC

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Worcester #1-8

8 7S 22W Graham KS

Job Ticket: 27579

DST#: 3

Test Start: 2006.12.02 @ 13:43:22

GENERAL INFORMATION:

Formation: "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:25:07

Time Test Ended: 19:23:07

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3580.00 ft (KB) To 3601.00 ft (KB) (TVD)

Total Depth: 3601.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2312.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719

Inside

Press@RunDepth: 71.22 psig @ 3583.00 ft (KB)

Start Date: 2006.12.02

End Date:

2006.12.02

Start Time: 13:43:24

End Time:

19:23:07

Capacity: 7000.00 psig

Last Calib.: 2006.12.02

Time On Btm: 2006.12.02 @ 15:24:52

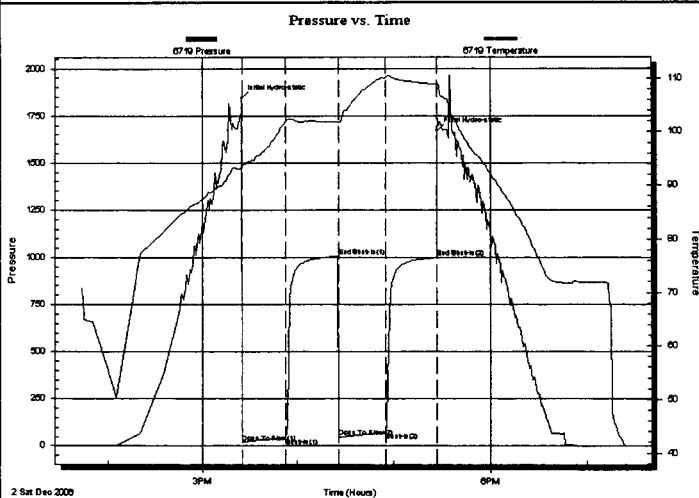
Time Off Btm: 2006.12.02 @ 17:27:22

TEST COMMENT: IFP Weak Blow Built to 4-1/2 "

ISI Dead

FFP Weak Blow Built to 2-3/4 "

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.96	93.39	Initial Hydro-static
1	18.73	93.27	Open To Flow (1)
29	43.13	102.02	Shut-In (1)
61	1006.21	101.93	End Shut-In (1)
62	46.99	101.73	Open To Flow (2)
91	71.22	110.24	Shut-In (2)
122	999.11	108.79	End Shut-In (2)
123	1668.67	108.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Water 90%W 10%M	0.61

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27579

DST#: 3

ATTN: Gary Gensch

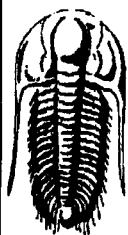
Test Start: 2006.12.02 @ 13:43:22

Tool Information

Drill Pipe:	Length:	3449.00 ft	Diameter:	3.80 inches	Volume:	48.38 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	118.00 ft	Diameter:	2.25 inches	Volume:	0.58 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	48.96 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.00 ft						String Weight: Initial	48000.00 lb
Depth to Top Packer:	3580.00 ft						Final	48000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	21.00 ft							
Tool Length:	49.00 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			3553.00	
Shut In Tool	5.00			3558.00	
Hydraulic tool	5.00			3563.00	
Jars	5.00			3568.00	
Safety Joint	2.00			3570.00	
Packer	5.00			3575.00	28.00 Bottom Of Top Packer
Packer	5.00			3580.00	
Stubb	1.00			3581.00	
Perforations	2.00			3583.00	
Recorder	0.00	6719	Inside	3583.00	
Perforations	15.00			3598.00	
Recorder	0.00	13221	Outside	3598.00	
Bullnose	3.00			3601.00	21.00 Bottom Packers & Anchor

Total Tool Length: 49.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27579

DST#: 3

ATTN: Gary Gensch

Test Start: 2006.12.02 @ 13:43:22

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:

70000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy Water 90%W 10%M	0.608

Total Length: 120.00 ft

Total Volume: 0.608 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

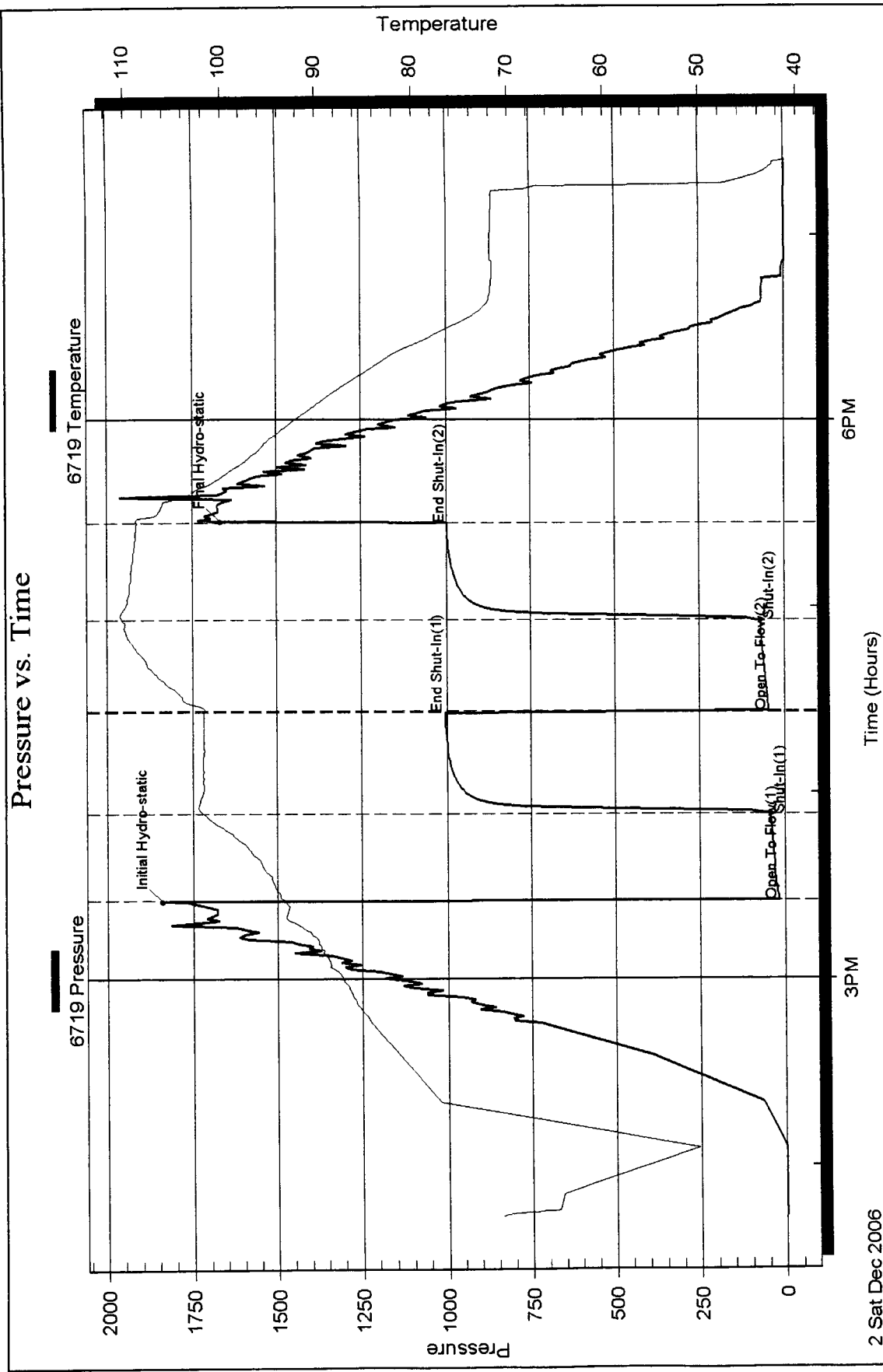
Serial #:

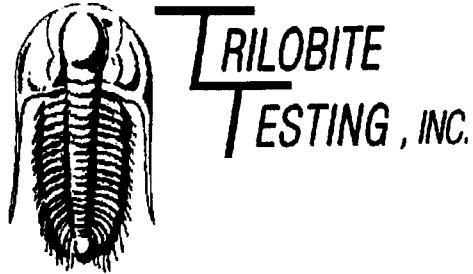
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gateway Resources LLC**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

8 7S 22W Graham KS

Worcester #1-8

Start Date: 2006.12.03 @ 06:41:11

End Date: 2006.12.03 @ 12:08:26

Job Ticket #: 27580 DST #: 4

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

Gateway Resources LLC

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Worcester #1-8

8 7S 22W Graham KS

Job Ticket: 27580

DST#: 4

Test Start: 2006.12.03 @ 06:41:11

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:56

Time Test Ended: 12:08:26

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3618.00 ft (KB) To 3638.00 ft (KB) (TVD)**

Total Depth: 3638.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2312.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 122.51 psig @ 3620.00 ft (KB)

Start Date: 2006.12.03

End Date:

2006.12.03

Start Time: 06:41:13

End Time:

12:08:26

Capacity: 7000.00 psig

Last Calib.: 2006.12.03

Time On Btm: 2006.12.03 @ 08:12:41

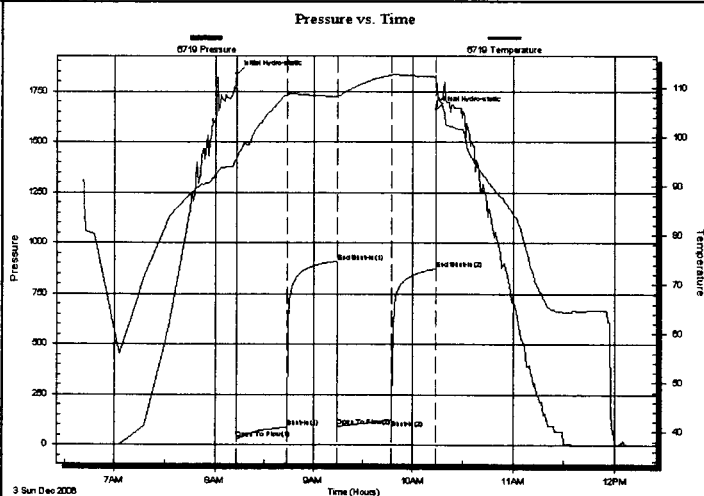
Time Off Btm: 2006.12.03 @ 10:13:41

TEST COMMENT: IFP Good Blow BOB in 25 Min.

ISI Dead

FFP Fair Blow Built to 6"

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.91	95.35	Initial Hydro-static
1	28.64	95.77	Open To Flow (1)
31	88.32	108.52	Shut-In (1)
62	908.60	108.27	End Shut-In (1)
62	91.62	108.07	Open To Flow (2)
95	122.51	112.61	Shut-In (2)
121	873.30	112.25	End Shut-In (2)
121	1660.31	112.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Muddy Water 80%W 20%M	1.45
48.00	Mud	0.67
2.00	Mud W/Oil Show	0.03

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27580

DST#: 4

ATTN: Gary Gensch

Test Start: 2006.12.03 @ 06:41:11

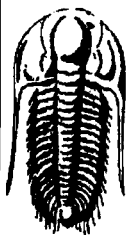
Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.80 inches	Volume: 48.76 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	49.34 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3618.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 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
Change Over Sub	1.00			3591.00	
Shut In Tool	5.00			3596.00	
Hydraulic tool	5.00			3601.00	
Jars	5.00			3606.00	
Safety Joint	2.00			3608.00	
Packer	5.00			3613.00	28.00 Bottom Of Top Packer
Packer	5.00			3618.00	
Stubb	1.00			3619.00	
Perforations	1.00			3620.00	
Recorder	0.00	6719	Inside	3620.00	
Perforations	15.00			3635.00	
Recorder	0.00	13221	Outside	3635.00	
Bullnose	3.00			3638.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27580

DST#: 4

ATTN: Gary Gensch

Test Start: 2006.12.03 @ 06:41:11

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:

48000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Muddy Water 80%W 20%M	1.450
48.00	Mud	0.673
2.00	Mud W/Oil Show	0.028

Total Length: 230.00 ft

Total Volume: 2.151 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

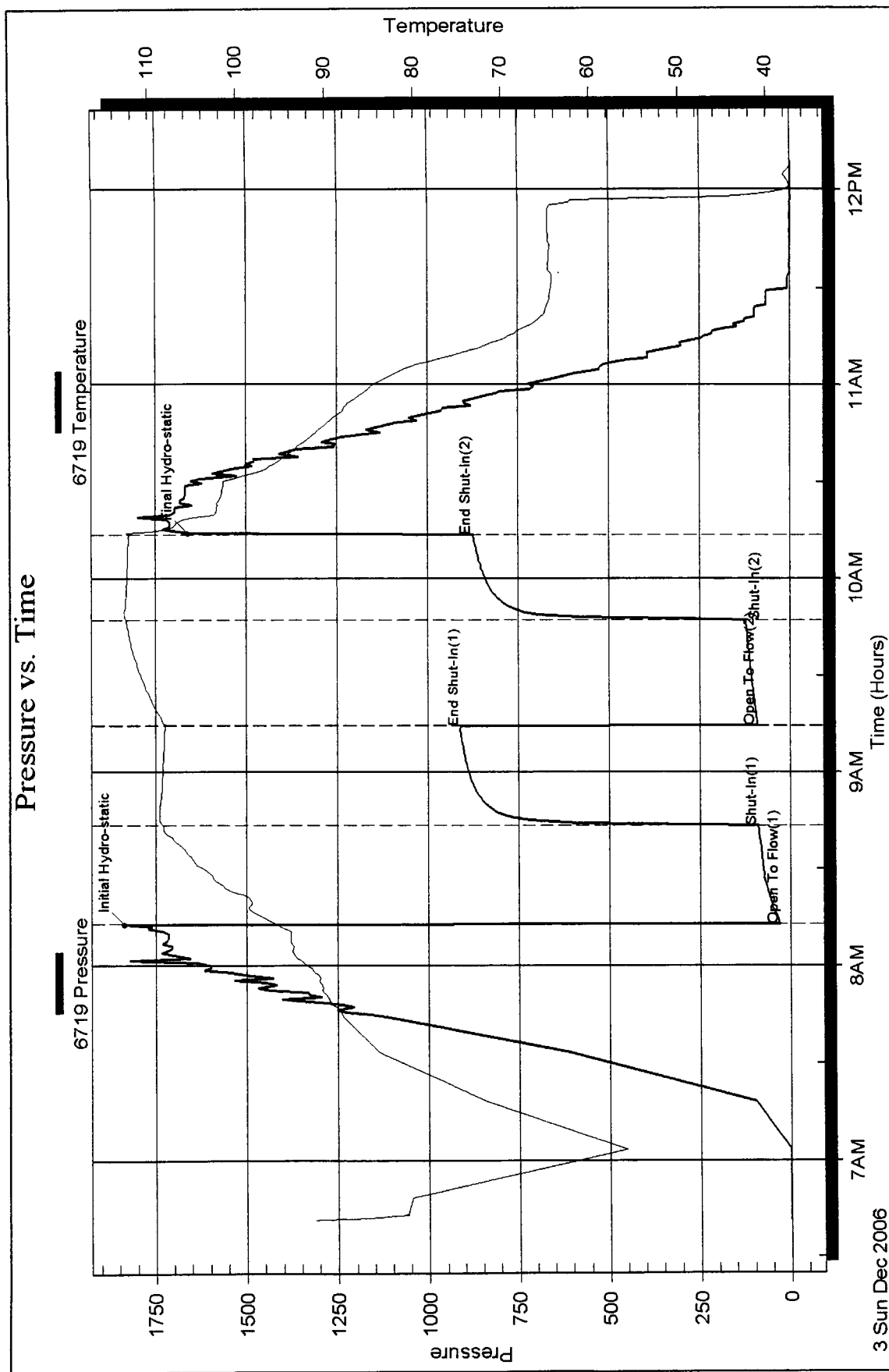
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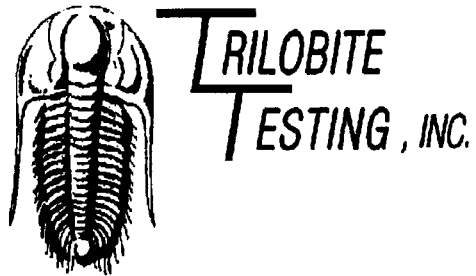
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gateway Resources LLC**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

8 7S 22W Graham KS

Worcester #1-8

Start Date: 2006.12.04 @ 00:31:20

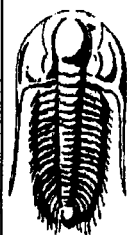
End Date: 2006.12.04 @ 07:05:20

Job Ticket #: 27581 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gateway Resources LLC

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Worcester #1-8

8 7S 22W Graham KS

Job Ticket: 27581

DST#: 5

Test Start: 2006.12.04 @ 00:31:20

GENERAL INFORMATION:

Formation: **LKC-"I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:05:35

Time Test Ended: 07:05:20

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3694.00 ft (KB) To 3723.00 ft (KB) (TVD)**

Total Depth: 3723.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2312.00 ft (KB)

2307.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 121.11 psig @ 3696.00 ft (KB)

Start Date: 2006.12.04

End Date:

2006.12.04

Start Time: 00:31:22

End Time:

07:05:20

Capacity: 7000.00 psig

Last Calib.: 2006.12.04

Time On Btm: 2006.12.04 @ 02:05:20

Time Off Btm: 2006.12.04 @ 05:08:05

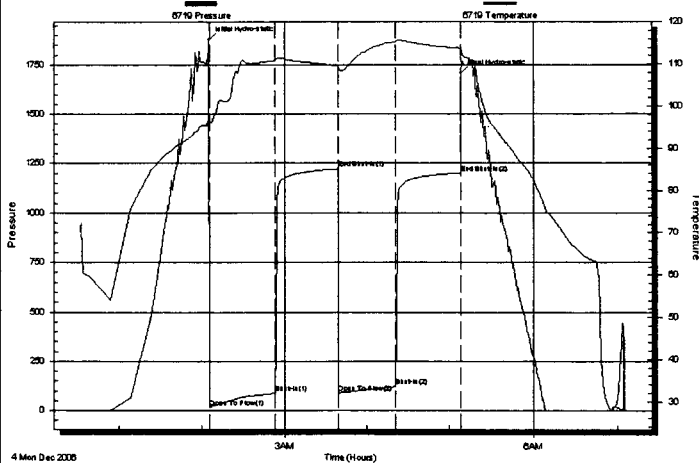
TEST COMMENT: IFP Good Blow BOB in 37 Min.

ISI Dead

FFP Fair Blow Built to 8-3/4 "

FSI

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.16	96.39	Initial Hydro-static
1	17.31	95.95	Open To Flow (1)
48	88.22	110.92	Shut-In (1)
94	1220.84	109.56	End Shut-In (1)
94	90.20	109.25	Open To Flow (2)
136	121.11	115.36	Shut-In (2)
183	1200.90	113.74	End Shut-In (2)
183	1706.42	113.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
193.00	Muddy Water 90%W 10%M	1.63
2.00	Oil Specked Muddy Water	0.03
0.00	45 Gas In Pipe	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27581

DST#: 5

ATTN: Gary Gensch

Test Start: 2006.12.04 @ 00:31:20

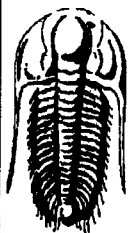
Tool Information

Drill Pipe:	Length: 3573.00 ft	Diameter: 3.80 inches	Volume: 50.12 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	50.70 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3694.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	29.00 ft				
Tool Length:	57.00 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			3667.00	
Shut In Tool	5.00			3672.00	
Hydraulic tool	5.00			3677.00	
Jars	5.00			3682.00	
Safety Joint	2.00			3684.00	
Packer	5.00			3689.00	28.00 Bottom Of Top Packer
Packer	5.00			3694.00	
Stubb	1.00			3695.00	
Perforations	1.00			3696.00	
Recorder	0.00	6719	Inside	3696.00	
Perforations	24.00			3720.00	
Recorder	0.00	13221	Outside	3720.00	
Bullnose	3.00			3723.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources LLC

Worcester #1-8

224 S Crestway
Wichita KS 67218

8 7S 22W Graham KS

Job Ticket: 27581

DST#: 5

ATTN: Gary Gensch

Test Start: 2006.12.04 @ 00:31:20

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:

92000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
193.00	Muddy Water 90%W 10%M	1.632
2.00	Oil Specked Muddy Water	0.028
0.00	45 Gas in Pipe	0.000

Total Length: 195.00 ft

Total Volume: 1.660 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

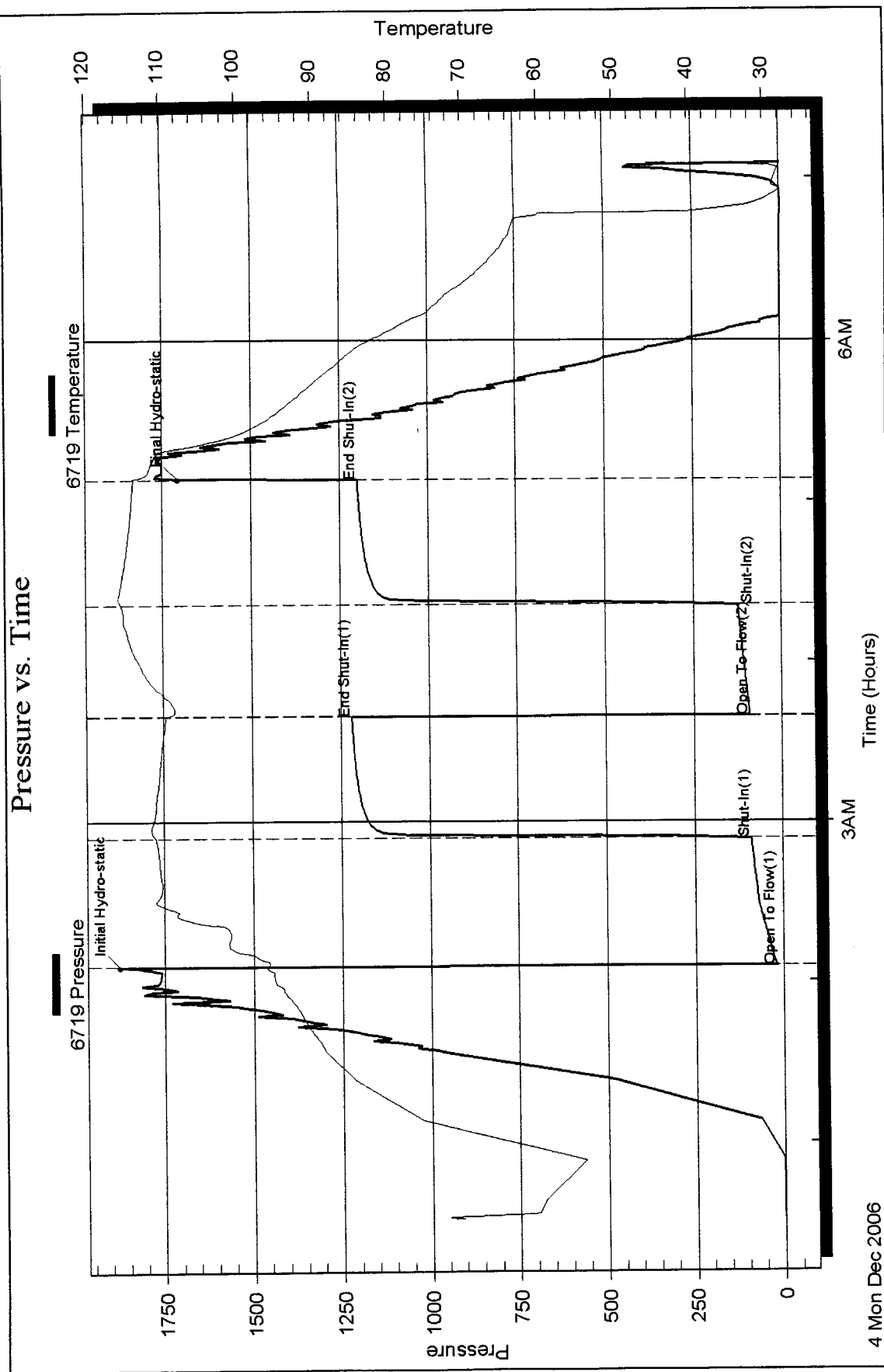
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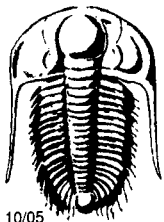
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27577

9605 ✓

Test Ticket

Well Name & No. <u>Worcester #1-8</u>	Test No. <u>1</u>	Date <u>12-1-06</u>
Company <u>Gateway Resources, LLC</u>	Zone Tested <u>Leasing "A"</u>	
Address <u>224 S. Crestway, Wichita, Ks. 67218</u>	Elevation <u>2312</u>	KB <u>2307</u> GL
Co. Rep / Geo. <u>Gary Gensch</u>	Rig <u>WW #6</u>	
Location: Sec. <u>8</u> Twp. <u>7s</u> Rge. <u>22w</u>	Co. <u>Graham</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3551-3572</u>	Initial Str Wt./Lbs. _____	Unseated Str Wt/Lbs. _____
Anchor Length <u>21'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. _____
Top Packer Depth _____	Tool Weight <u>2200</u>	
Bottom Packer Depth _____	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth _____	Wt. Pipe Run <u>0</u>	Drill Collar Run _____
Mud Wt. _____ LCM _____ Vis. _____ WL _____	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run _____
Blow Description <u>Last 2 stands in 4th row from bottom sled,</u> <u>Lost Circulation, Pull Tool,</u>		

Recovery - Total Feet _____	GIP _____	Ft. in DC _____	Ft. in DP _____
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. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT _____	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____ *API _____
RW _____ @ _____	*F _____	Chlorides _____ ppm Recovery _____	Chlorides _____ ppm System _____

(A) Initial Hydrostatic Mud _____	PSI _____	Recorder No. <u>6719</u>	Test <u>MISRUN</u> <u>400</u>
(B) First Initial Flow Pressure _____	PSI _____	(depth) <u>3554</u>	Jars <u>(less 500 psi per run)</u>
(C) First Final Flow Pressure _____	PSI _____	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure _____	PSI _____	(depth) _____	Circ Sub _____
(E) Second Initial Flow Pressure _____	PSI _____	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure _____	PSI _____	(depth) _____	Straddle _____
(G) Final Shut-In Pressure _____	PSI _____	Initial Opening _____	Ext. Packer _____
(Q) Final Hydrostatic Mud _____	PSI _____	Initial Shut-In _____	Shale Packer _____
		Final Flow _____	Ruined Packer _____
		Final Shut-In _____	Mileage <u>144 + 180</u>
		T-On Location <u>1:00</u>	Sub Total: _____
		T-Started <u>3:42</u>	Std. By _____
		T-Open _____	Acc. Chg: <u>\$580</u>
		T-Pulled _____	Other: _____
		T-Out <u>6:15</u>	Total: <u>\$1080</u>

Approved By _____

Our Representative _____

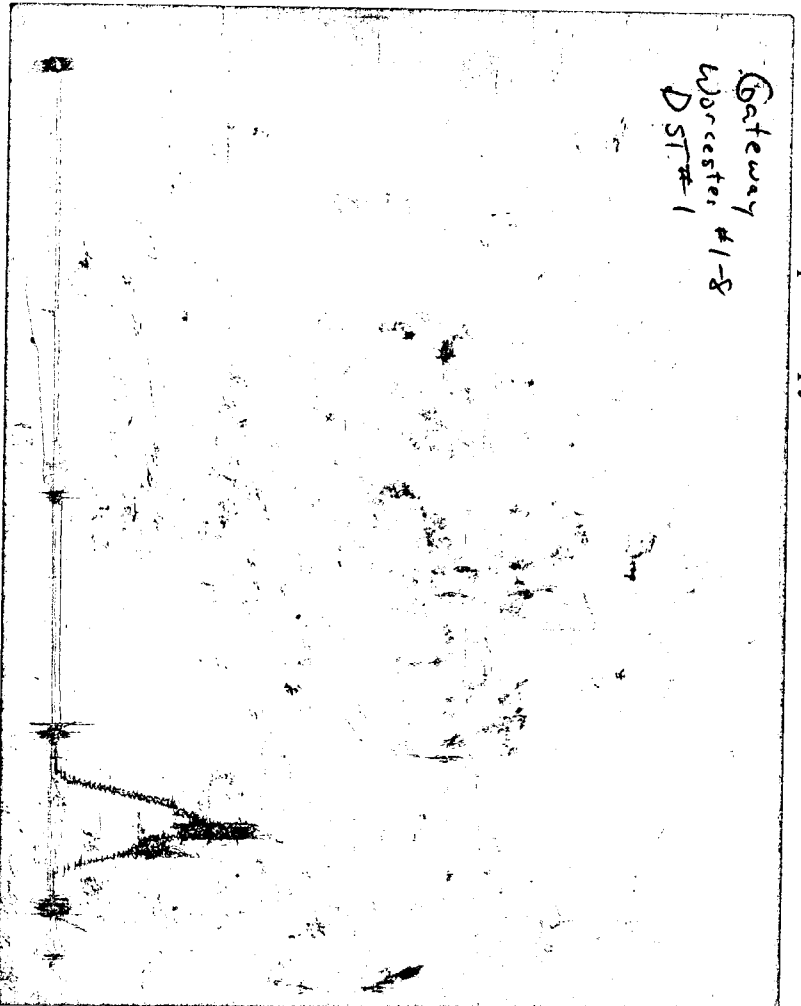
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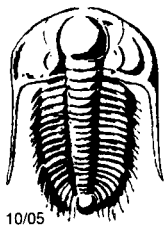
JASON - \$1080

CHART PAGE

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

Gateway
Worcester, #1-8
D ST #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27578

Test Ticket

Well Name & No. <u>Worcester #1-8</u>	Test No. <u>2</u>	Date <u>12-2-06</u>
Company <u>Gateway Resources</u>	Zone Tested <u>Lansing "A"</u>	
Address <u>224 S. Crestway, Wichita, Ks. 67218</u>	Elevation <u>2312</u>	KB <u>2307</u> GL
Co. Rep / Geo. <u>Gary Gensch</u>	Rig <u>WW #6</u>	
Location: Sec. <u>8</u> Twp. <u>7S</u> Rge. <u>22W</u>	Co. <u>Graham</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3553 — 3572</u>	Initial Str Wt./Lbs. <u>44,000</u>	Unseated Str Wt./Lbs. <u>52,000</u>
Anchor Length <u>19'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3548</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3553</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3572</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>118</u>
Mud Wt. <u>9.0</u> LCM <u>3#</u> Vis. <u>63</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2 FH</u>	Ft. Run <u>3417</u>
Blow Description <u>IFP- Strong Blow, BOB in 2 min 45 seconds</u>		
<u>ISI- Blowback Built to 1"</u>		
<u>FFP- Strong Blow, BOB in 2 min. 30 seconds</u>		
<u>FSI- Dead</u>		

Recovery - Total Feet <u>1265</u>	GIP _____	Ft. in DC <u>118</u>	Ft. in DP <u>1147</u>
Rec. <u>1265</u>	Feet of <u>5MW</u>	%gas _____	%oil <u>99</u> %water <u>1</u> %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 <u>111°</u>	*F Gravity _____	*API D @ _____	*F Corrected Gravity _____ *API _____
RW <u>.380</u> @ <u>49°</u>	*F _____	Chlorides <u>22,000</u> ppm Recovery _____	Chlorides <u>2,400</u> ppm System _____

	AK-1	Alpine	PSI	Recorder No.			
(A) Initial Hydrostatic Mud		<u>1753</u>		<u>6719</u>		<u>Test</u>	<u>1100</u>
(B) First Initial Flow Pressure		<u>40</u>		<u>3554</u>		<u>Jars</u>	<u>250</u>
(C) First Final Flow Pressure		<u>247</u>		<u>13221</u>		<u>Safety Jt.</u>	<u>75</u>
(D) Initial Shut-In Pressure		<u>988</u>		<u>3569</u>		Circ Sub	
(E) Second Initial Flow Pressure		<u>246</u>				Sampler	
(F) Second Final Flow Pressure		<u>625</u>				Straddle	
(G) Final Shut-In Pressure		<u>966</u>		<u>15</u>		Ext. Packer	
(Q) Final Hydrostatic Mud		<u>1658</u>		<u>45</u>		Shale Packer	
				<u>45</u>		Ruined Packer	
				<u>45</u>		Mileage <u>144 rt</u>	<u>180</u>
				<u>23:30</u>		Sub Total:	
				<u>00:16</u>		Std. By	
				<u>2:20</u>		Acc. Chg:	<u>\$1605</u>
				<u>4:50</u>		Other:	
				<u>7:11</u>		Total:	

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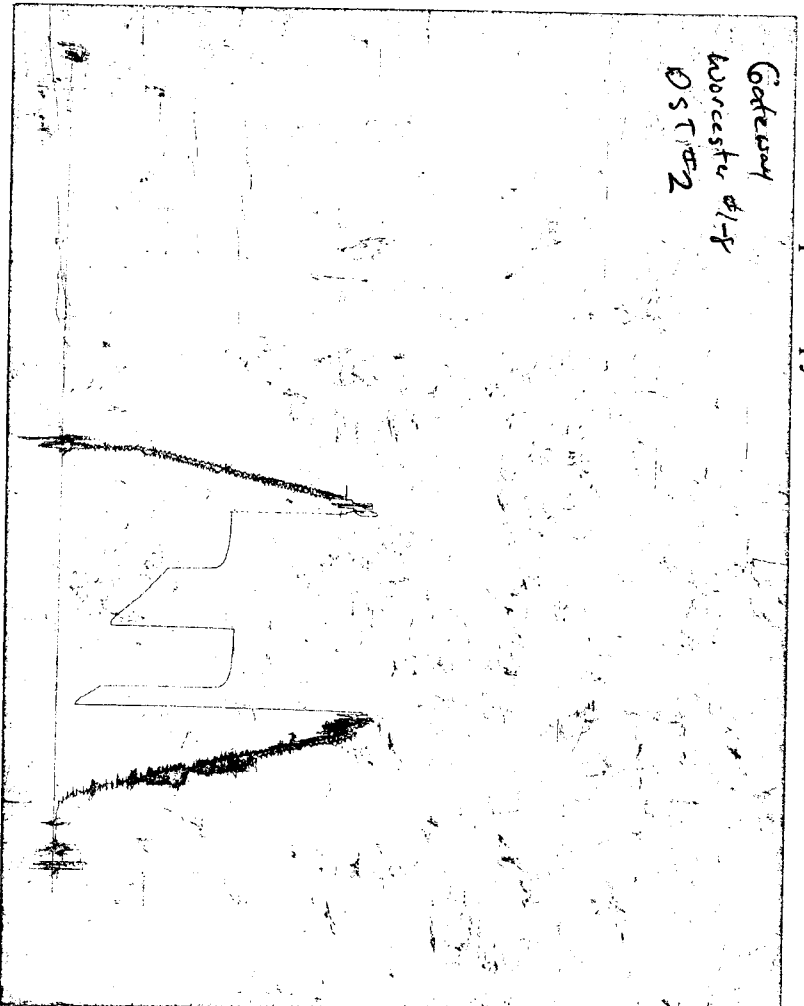
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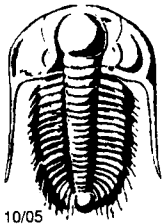
Our Representative

G. McLenore Frank

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27579

Test Ticket

Well Name & No. <u>Worcester #1-8</u>	Test No. <u>3</u>	Date <u>12-2-06</u>
Company <u>Gateway Resources</u>	Zone Tested <u>"C"</u>	
Address <u>224 S. Crestway, Wichita, Ks. 67218</u>	Elevation <u>2312</u> KB <u>2307</u> GL	
Co. Rep / Geo. <u>Gary Gensch</u>	Rig <u>WW #6</u>	
Location: Sec. <u>8</u> Twp. <u>7s</u> Rge. <u>22w</u>	Co. <u>Graham</u> State <u>Ks</u>	
Comment: _____		Release date / time: _____

Interval Tested 3580-3601 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 21' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3575 Tool Weight 2200
 Bottom Packer Depth 3580 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3601 Wt. Pipe Run 0 Drill Collar Run 118
 Mud Wt. 8.8 LCM 4* Vis. 64 WL 7.6 Drill Pipe Size 4 1/2 FH Ft. Run 3499
 Blow Description IFP - Weak Blow, Built to 4 1/2"

ISI - Dead

FFP - Weak Blow, Built to 2 3/4"

FSI - Dead

Recovery - Total Feet 120 GIP _____ Ft. in DC 118 Ft. in DP \$ 2
 Rec. 120 Feet of Muddy Water %gas _____ %oil _____ %water 90 %mud 10
 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 109° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .302 @ 25" °F Chlorides 70,000 ppm Recovery _____ Chlorides 4,300 ppm System

AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1841</u>	PSI	Recorder No. <u>6719</u>	<u>Test</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>19</u>	PSI	(depth) <u>3583</u>	<u>Vars</u>	<u>250</u>
(C) First Final Flow Pressure	<u>43</u>	PSI	Recorder No. <u>13221</u>	<u>Safety Jt.</u>	<u>75</u>
(D) Initial Shut-In Pressure	<u>1006</u>	PSI	(depth) <u>3598</u>	Circ Sub	
(E) Second Initial Flow Pressure	<u>47</u>	PSI	Recorder No. _____	Sampler	
(F) Second Final Flow Pressure	<u>71</u>	PSI	(depth) _____	Straddle	
(G) Final Shut-In Pressure	<u>999</u>	PSI	Initial Opening <u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1735</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer	
			Final Flow <u>30</u>	Ruined Packer	
			Final Shut-In <u>30</u>	Mileage <u>144 rt</u>	<u>180</u>
			T-On Location <u>13:25</u>	Sub Total:	
			T-Started <u>13:43</u>	Std. By	
			T-Open <u>15:25</u>	Acc. Chg:	<u>\$ 1605</u>
			T-Pulled <u>17:25</u>	Other:	
			T-Out <u>19:23</u>	Total:	

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Approved By _____

Our Representative G. Mc Lemore *thank you*

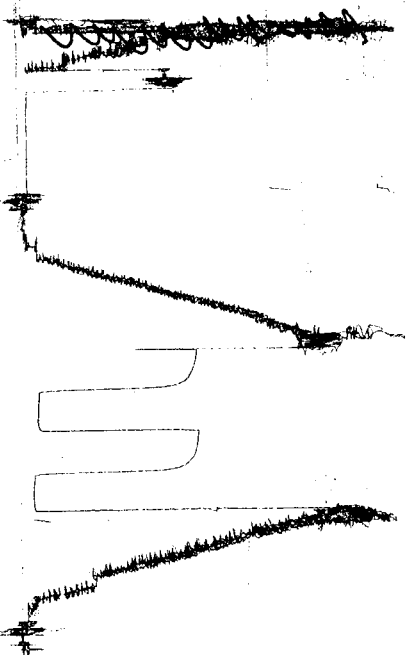
CHART PAGE

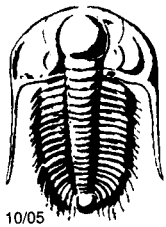
This is a photocopy of the actual AK-1 recorder chart.

Gate way

Worcester #1-8

DST #3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27580

Test Ticket

Well Name & No. Worcester #1-8 Test No. 4 Date 12-3-06
 Company Gate way Resources Zone Tested LKC "E-F"
 Address 224 S. Crestway, Wichita, Ks. 67218 Elevation 2312 KB 2307 GL
 Co. Rep / Geo. Gary Gensch Rig WW #6
 Location: Sec. 8 Twp. 7s Rge. 22w Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3618 - 3638 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 20' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 3613 Tool Weight 2200
 Bottom Packer Depth 3618 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3638 Wt. Pipe Run 0 Drill Collar Run 118
 Mud Wt. 8.8 LCM 4 Vis. 64 WL 7.6 Drill Pipe Size 4 1/2 FH Ft. Run _____
 Blow Description IFP- Good Blow, BOB in 25 min.

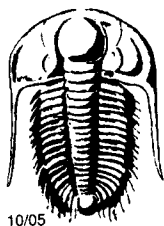
ISI- Dead
FFP- Fair Blow, Built to 6"
FSI- Dead

Recovery - Total Feet 230 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 2 Feet of Mud w/oil show %gas <1 %oil _____ %water _____ %mud _____
 Rec. 48 Feet of Mud %gas _____ %oil _____ %water _____ %mud _____
 Rec. 180 Feet of Muddy water %gas _____ %oil 80 %water 20 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 326 @ 35° °F Chlorides 48,000 ppm Recovery _____ Chlorides 4300 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1836	PSI	Recorder No.	<u>6719</u>	Test	<u>1100</u>
(B) First Initial Flow Pressure			<u>29</u>	PSI	(depth)	<u>3620</u>	Vars	<u>250</u>
(C) First Final Flow Pressure			<u>88</u>	PSI	Recorder No.	<u>13221</u>	Safety Jt.	<u>75</u>
(D) Initial Shut-In Pressure			<u>909</u>	PSI	(depth)	<u>3635</u>	Circ Sub	_____
(E) Second Initial Flow Pressure			<u>92</u>	PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure			<u>123</u>	PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure			<u>873</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud			<u>1689</u>	PSI	Initial Shut-In	<u>30</u>	Shale Packer	_____
					Final Flow	<u>30</u>	Ruined Packer	_____
					Final Shut-In	<u>30</u>	Mileage	<u>144</u> + <u>180</u>
					T-On Location	<u>5:35</u>	Sub Total:	_____
					T-Started	<u>6:41</u>	Std. By	_____
					T-Open	<u>8:13</u>	Acc. Chg:	<u>\$1605</u>
					T-Pulled	<u>10:13</u>	Other:	_____
					T-Out	<u>12:09</u>	Total:	_____

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 [Signature]
 Our Representative [Signature]



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27581

Test Ticket

Well Name & No. Worcester #1-8 Test No. 5 Date 12-3-06
 Company Gateway Resources Zone Tested LKC-I-J
 Address 2245 Crestway, Wichita, Ks. 67218 Elevation 2312 KB 2307 GL
 Co. Rep / Geo. Gary Gensch Rig WW #6
 Location: Sec. 8 Twp. 7s Rge. 22w Co. Graham State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3694-3723 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 29' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3689 Tool Weight 2200
 Bottom Packer Depth 3694 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3723 Wt. Pipe Run 0 Drill Collar Run 118
 Mud Wt. 9.0 LCM 3# Vis. 54 WL 8.0 Drill Pipe Size 4 1/2 FH Ft. Run 3573
 Blow Description IFP - Good Blow, BOB in 37 min.

ISI - Dead

FFP - Fair Blow, Built to 8 3/4"

ISI -

Recovery - Total Feet 195 GIP 45 Ft. in DC 118 Ft. in DP 77
 Rec. 2 Feet of Muddy Water, Oil specks %gas %oil %water %mud
 Rec. 193 Feet of Muddy Water %gas %oil 90 %water 10 %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 _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .229 @ 26° °F Chlorides 92,000 ppm Recovery _____ Chlorides 7,800 ppm System

	AK-1	Alpine
(A) Initial Hydrostatic Mud	<u>1876</u>	PSI
(B) First Initial Flow Pressure	<u>17</u>	PSI
(C) First Final Flow Pressure	<u>88</u>	PSI
(D) Initial Shut-In Pressure	<u>1221</u>	PSI
(E) Second Initial Flow Pressure	<u>90</u>	PSI
(F) Second Final Flow Pressure	<u>121</u>	PSI
(G) Final Shut-In Pressure	<u>1201</u>	PSI
(Q) Final Hydrostatic Mud	<u>1762</u>	PSI

Recorder No. 6719
 (depth) 3696
 Recorder No. 13221
 (depth) 3720
 Recorder No. _____
 (depth) _____
 Recorder No. _____
 (depth) _____
 Initial Opening 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 T-On Location 23.30
 T-Started 00:31
 T-Open 2:06
 T-Pulled 5:06
 T-Out 7:06

Test 1100
 Jars 250
 Safety Jt. 75
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage 144rt 180
 Sub Total: _____
 Std. By _____
 Acc. Chg: \$1605
 Other: _____
 Total: _____

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Approved By _____

Our Representative G. Mc Lemore

CHART PAGE

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

Continued #1-8
Worcester #5
125T #5

