

DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc**

PO Box 875
Hays KS 67601

ATTN: Clayton Camozi

1 10s 21w Graham KS NE SW NW SE

Lambert A #1

Start Date: 2006.04.05 @ 22:31:22

End Date: 2006.04.06 @ 04:11:22

Job Ticket #: 23719 DST #: 1

15-065-23157-00-00

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Thomason Petroleum Inc

Lambert A #1

1 10s 21w Graham KS

DST # 1

Arbuckle

2006.04.05



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Thomason Petroleum Inc

PO Box 875
Hays KS 67601

ATTN: Clayton Camozi

Lambert A #1

1 10s 21w Graham KS

Job Ticket: 23719

DST#: 1

Test Start: 2006.04.05 @ 22:31:22

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:02:37

Time Test Ended: 04:11:22

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3750.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Total Depth: 3820.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2230.00 ft (KB)

2224.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8259 Inside

Press@RunDepth: psig @ 3753.00 ft (KB)

Start Date: 2006.04.05

End Date:

2006.04.06

Capacity: 7000.00 psig

Last Calib.: 2006.04.06

Start Time: 22:31:27

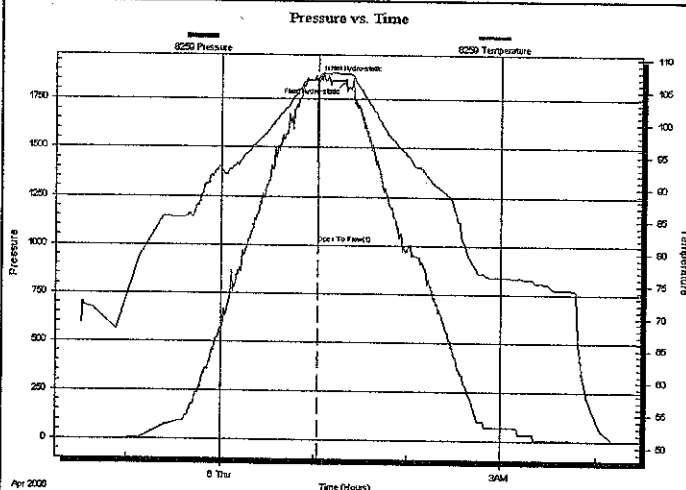
End Time:

04:11:21

Time On Btm: 2006.04.06 @ 01:02:22

Time Off Btm: 2006.04.06 @ 01:20:22

TEST COMMENT: IFP Packer Failure Made 3 Attempts Out of Hole



PRESSURE SUMMARY

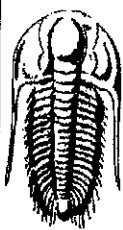
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.39	106.90	Initial Hydro-static
1	1008.50	106.76	Open To Flow (1)
18	1844.16	107.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	MW Oil Spots in Tool <1%O 99%M	1.86

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum Inc

Lambert A #1

PO Box 875
Hays KS 67601

1 10s 21w Graham KS

Job Ticket: 23719

DST#: 1

ATTN: Clayton Camozi

Test Start: 2006.04.05 @ 22:31:22

Tool Information

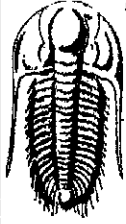
Drill Pipe:	Length: 3633.00 ft	Diameter: 3.30 inches	Volume: 38.43 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 53000.00 lb
			Total Volume: 39.02 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3750.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	91.00 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			3730.00	
Shut In Tool	5.00			3735.00	
Hydraulic tool	5.00			3740.00	
Packer	5.00			3745.00	21.00 Bottom Of Top Packer
Packer	5.00			3750.00	
Stubb	1.00			3751.00	
Perforations	1.00			3752.00	
Change Over Sub	1.00			3753.00	
Recorder	0.00	8259	Inside	3753.00	
Blank Spacing	58.00			3811.00	
Change Over Sub	1.00			3812.00	
Perforations	5.00			3817.00	
Recorder	0.00	13221	Outside	3817.00	
Bullnose	3.00			3820.00	70.00 Bottom Packers & Anchor

Total Tool Length: 91.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomason Petroleum Inc

Lambert A #1

PO Box 875
Hays KS 67601

1 10s 21w Graham KS

Job Ticket: 23719

DST#: 1

ATTN: Clayton Camozi

Test Start: 2006.04.05 @ 22:31:22

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:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	MW Oil Spots in Tool <1%O 99%M	1.860

Total Length: 240.00 ft

Total Volume: 1.860 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8259

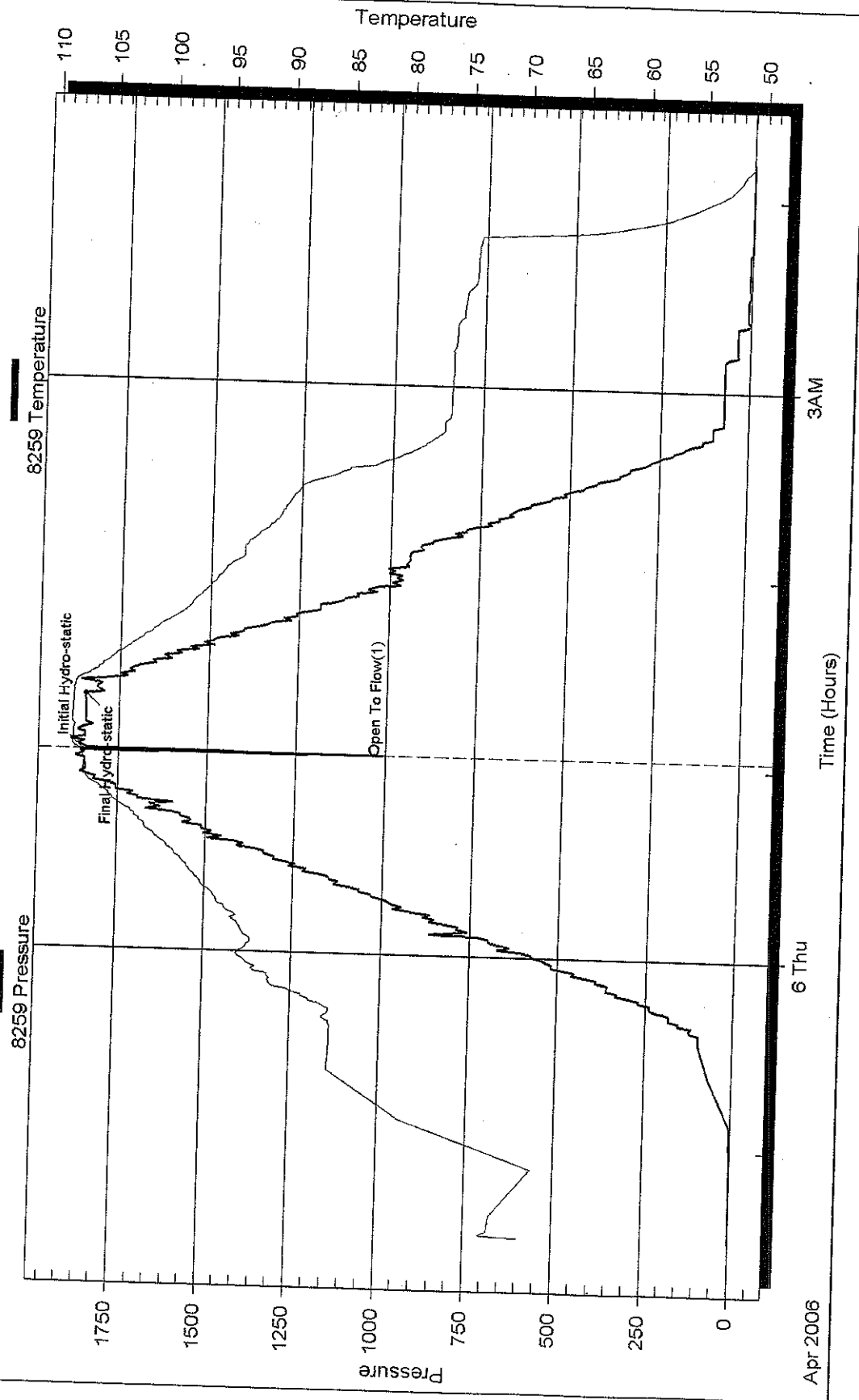
Inside

Thomason Petroleum Inc

1 10s 21w Graham KS

DST Test Number: 1

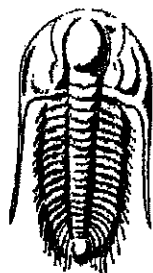
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 23719

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc**

PO Box 875
Hays KS 67601

ATTN: Clayton Camozi

1 10s 21w Graham KS

Lambert A #1

Start Date: 2006.04.06 @ 04:28:34

End Date: 2006.04.06 @ 11:41:49

Job Ticket #: 23720

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Thomason Petroleum Inc

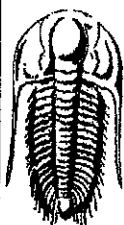
Lambert A #1

1 10s 21w Graham KS

DST # 2

Arbuckle

2006.04.06



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Thomason Petroleum Inc

PO Box 875
Hays KS 67601

ATTN: Clayton Camozi

Lambert A #1

1 10s 21w Graham KS

Job Ticket: 23720

DST#: 2

Test Start: 2006.04.06 @ 04:28:34

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:28:34

Time Test Ended: 11:41:49

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3696.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Total Depth: 3820.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2230.00 ft (KB)

2224.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8259

Inside

Press@RunDepth: psig @ 3699.00 ft (KB)

Start Date: 2006.04.06

End Date:

2006.04.06

Start Time: 04:28:39

End Time:

11:41:48

Capacity: 7000.00 psig

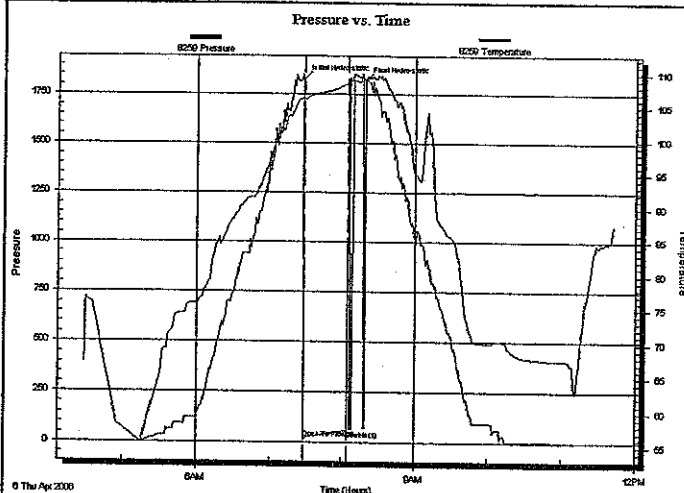
Last Calib.: 2006.04.06

Time On Btm: 2006.04.06 @ 07:28:04

Time Off Btm: 2006.04.06 @ 08:19:04

TEST COMMENT: IFP Good Blow Built to 8"

ISI Can Not Turn Tool Pull Tool



PRESSURE SUMMARY

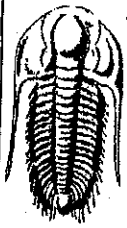
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1826.15	106.52	Initial Hydro-static
1	20.45	106.22	Open To Flow (1)
37	59.10	108.57	Shut-In(1)
51	1817.35	109.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	OCM 18%O 82%M	0.69
1.00	Free Oil	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum Inc

Lambert A #1

PO Box 875
Hays KS 67601

1 10s 21w Graham KS

ATTN: Clayton Camozi

Job Ticket: 23720

DST#: 2

Test Start: 2006.04.06 @ 04:28:34

Tool Information

Drill Pipe:	Length: 3512.00 ft	Diameter: 3.30 inches	Volume: 37.15 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 38.03 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3696.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	124.00 ft			
Tool Length:	145.00 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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Change Over Sub	1.00			3676.00	
Shut In Tool	5.00			3681.00	
Hydraulic tool	5.00			3686.00	
Packer	5.00			3691.00	21.00 Bottom Of Top Packer
Packer	5.00			3696.00	
Stubb	1.00			3697.00	
Perforations	1.00			3698.00	
Change Over Sub	1.00			3699.00	
Recorder	0.00	8259	Inside	3699.00	
Blank Spacing	90.00			3789.00	
Change Over Sub	1.00			3790.00	
Perforations	27.00			3817.00	
Recorder	0.00	13221	Outside	3817.00	
Bullnose	3.00			3820.00	124.00 Bottom Packers & Anchor
Total Tool Length:	145.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomason Petroleum Inc

Lambert A #1

PO Box 875
Hays KS 67601

1 10s 21w Graham KS

Job Ticket: 23720

DST#: 2

ATTN: Clayton Camozi

Test Start: 2006.04.06 @ 04:28:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	OCM 18%O 82%M	0.688
1.00	Free Oil	0.005

Total Length: 141.00 ft

Total Volume: 0.693 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8259

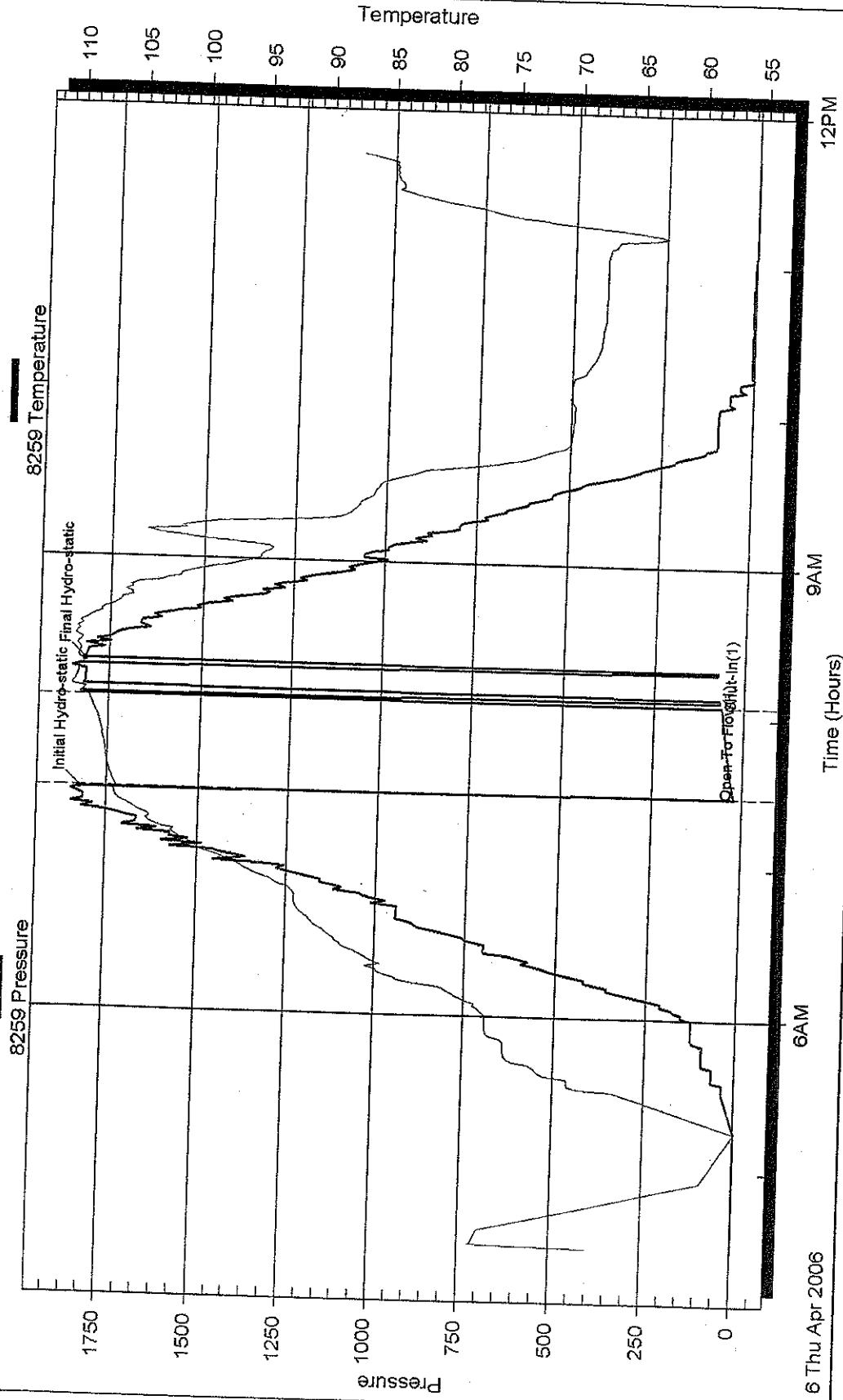
Inside

Thomason Petroleum Inc

1 10s 21w Graham KS

DST Test Number: 2

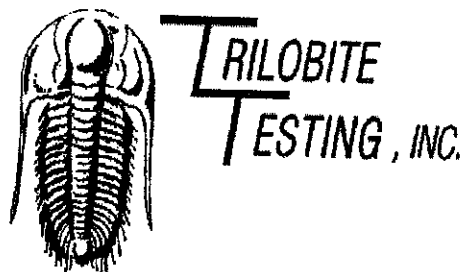
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 23720

Printed: 2006.04.07 @ 14:27:49 Page 5



DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc**

PO Box 875
Hays KS 67601

ATTN: Clayton Camozi

1 10s 21w Graham KS

Lambert A #1

Start Date: 2006.04.06 @ 20:40:18

End Date: 2006.04.07 @ 06:25:03

Job Ticket #: 23721

DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Thomason Petroleum Inc

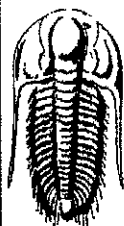
Lambert A #1

1 10s 21w Graham KS

DST # 3

Arbuckle

2006.04.06



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Thomason Petroleum Inc

PO Box 875
Hays KS 67601

ATTN: Clayton Camozi

Lambert A #1

1 10s 21w Graham KS

Job Ticket: 23721

DST#: 3

Test Start: 2006.04.06 @ 20:40:18

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 23:52:03

Time Test Ended: 06:25:03

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3816.00 ft (KB) To 3832.00 ft (KB) (TVD)**

Total Depth: **3832.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2230.00 ft (KB)**

2224.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 8259

Inside

Press@RunDepth: **29.20 psig @ 3819.00 ft (KB)**

Start Date: **2006.04.06**

End Date:

2006.04.07

Start Time: **20:40:23**

End Time:

06:25:03

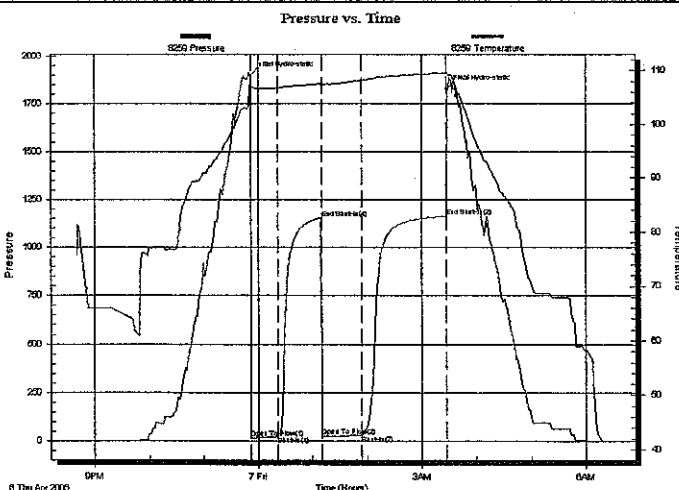
Capacity: **7000.00 psig**

Last Calib.: **2006.04.07**

Time On Btm: **2006.04.06 @ 23:51:48**

Time Off Btm: **2006.04.07 @ 03:27:47**

TEST COMMENT: IFP Weak Blow Built to 1"
ISI Dead
FFP Surface Blow After 20 Min



PRESSURE SUMMARY

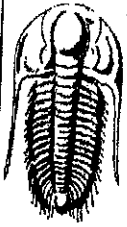
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1900.72	107.61	Initial Hydro-static
1	14.82	107.13	Open To Flow (1)
31	23.23	106.86	Shut-In (1)
79	1151.40	107.57	End Shut-In (1)
79	24.54	107.34	Open To Flow (2)
122	29.20	108.23	Shut-In (2)
216	1161.26	109.66	End Shut-In (2)
216	1829.89	109.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Free Oil	0.05
20.00	SOCM 10%O 90%M	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum Inc

Lambert A #1

PO Box 875
Hays KS 67601

1 10s 21w Graham KS

Job Ticket: 23721

DST#: 3

ATTN: Clayton Camozi

Test Start: 2006.04.06 @ 20:40:18

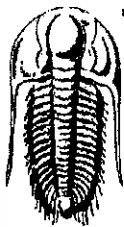
Tool Information

Drill Pipe:	Length: 3632.00 ft	Diameter: 3.30 inches	Volume: 38.42 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: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 56000.00 lb
			Total Volume: 39.30 bbl	Tool Chased 4.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3816.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	37.00 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			3796.00	
Shut In Tool	5.00			3801.00	
Hydraulic tool	5.00			3806.00	
Packer	5.00			3811.00	21.00 Bottom Of Top Packer
Packer	5.00			3816.00	
Stubb	1.00			3817.00	
Perforations	2.00			3819.00	
Recorder	0.00	8259	Inside	3819.00	
Perforations	10.00			3829.00	
Recorder	0.00	13221	Outside	3829.00	
Bullnose	3.00			3832.00	16.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomason Petroleum Inc

Lambert A #1

PO Box 875
Hays KS 67601

1 10s 21w Graham KS

Job Ticket: 23721

DST#: 3

ATTN: Clayton Camozi

Test Start: 2006.04.06 @ 20:40:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Free Oil	0.049
20.00	SOCM 10%O 90%M	0.098

Total Length: 30.00 ft

Total Volume: 0.147 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

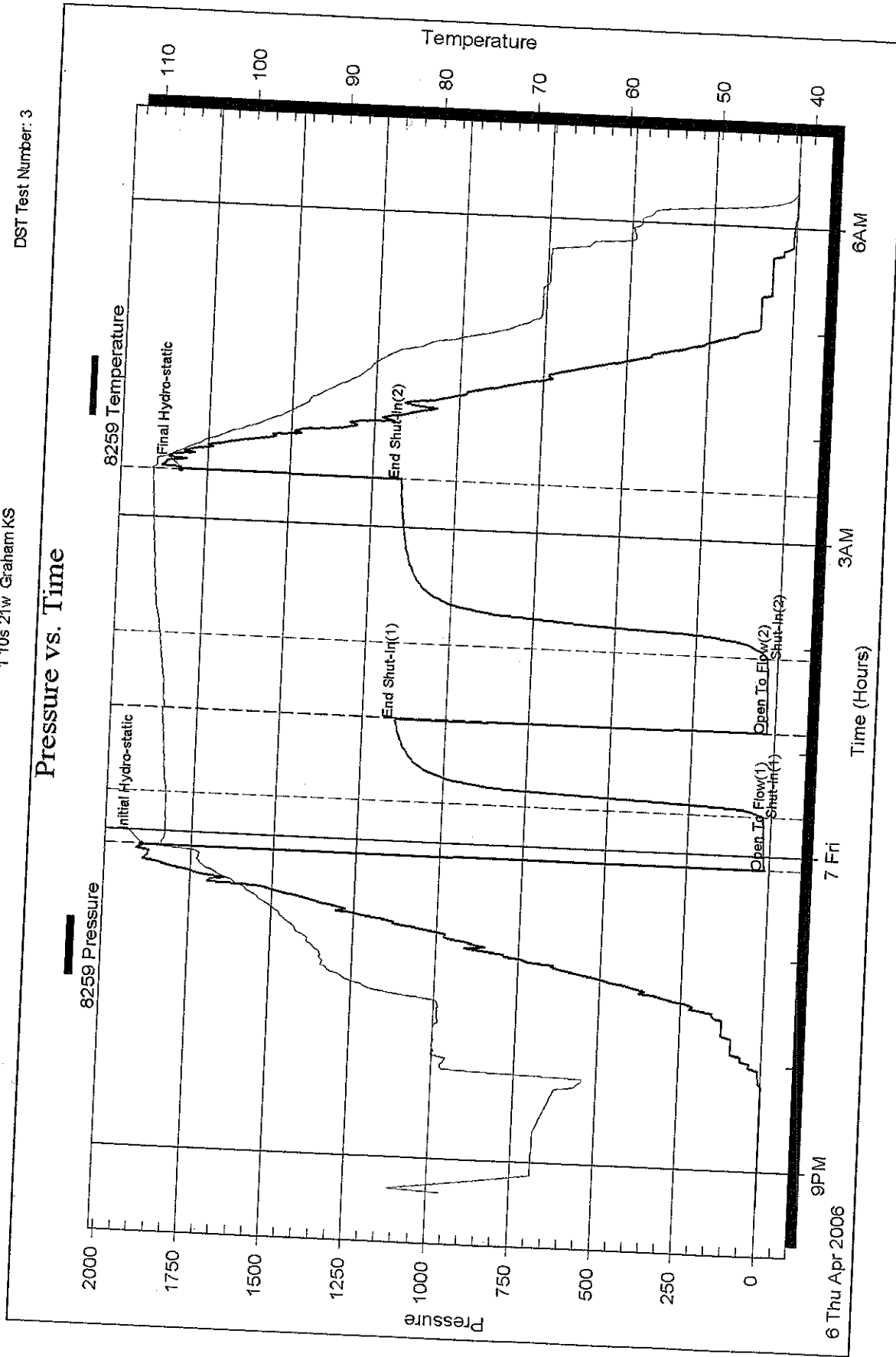
Serial #: 8259

Inside

Thomson Petroleum Inc

1 10s 21w Graham KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 23721

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