

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

5 16 11w Barton KS

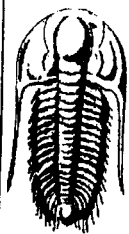
Davidson #1

Start Date: 2006.09.07 @ 09:47:09

End Date: 2006.09.07 @ 15:50:03

Job Ticket #: 26797 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

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26797

DST#: 1

Test Start: 2006.09.07 @ 09:47:09

GENERAL INFORMATION:

Formation: **LKC A-C**

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

Time Tool Opened: 11:25:34

Time Test Ended: 15:50:03

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **2895.00 ft (KB) To 2947.00 ft (KB) (TVD)**

Total Depth: **2947.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **1764.00 ft (KB)**

1756.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **63.04 psig @ 2906.01 ft (KB)**

Start Date: **2006.09.07**

End Date:

2006.09.07

Start Time: **09:47:09**

End Time:

15:50:03

Capacity: **7000.00 psig**

Last Calib.: **2006.09.07**

Time On Btm: **2006.09.07 @ 11:24:34**

Time Off Btm: **2006.09.07 @ 14:22:33**

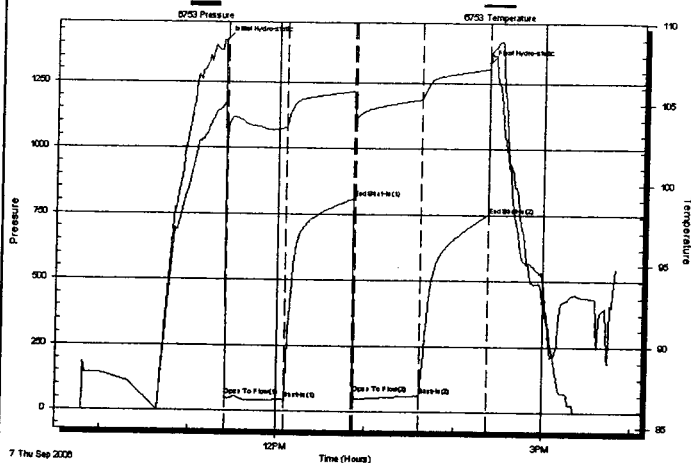
TEST COMMENT: **IFP Strg bl GTS in 13 min**

FFP Strg bl GTS

Times 45 45 45 45

No bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

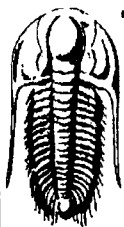
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1409.68	105.04	Initial Hydro-static
1	55.82	102.85	Open To Flow (1)
41	46.18	103.53	Shut-In (1)
87	809.12	105.79	End Shut-In (1)
88	69.72	104.18	Open To Flow (2)
132	63.04	105.27	Shut-In (2)
178	747.47	107.21	End Shut-In (2)
178	1328.14	107.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	V GOCM 50% G 22% O 28% M	0.57
65.00	HO & GCM 20% G 20% O 60% M	0.91

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	16.00	48.23
Last Gas Rate	0.25	31.00	72.02
Max. Gas Rate	0.25	31.00	72.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26797

DST#: 1

Test Start: 2006.09.07 @ 09:47:09

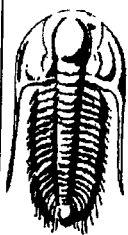
Tool Information

Drill Pipe:	Length: 2863.00 ft	Diameter: 3.80 inches	Volume: 40.16 bbl	Tool Weight: 2200.00 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: 50000.00 lb
		Total Volume: 40.31 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2895.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.02 ft			
Tool Length:	75.02 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			2875.00	
Shut In Tool	5.00			2880.00	
Hydraulic tool	5.00			2885.00	
Packer	5.00			2890.00	21.00 Bottom Of Top Packer
Packer	5.00			2895.00	
Stubb	1.00			2896.00	
Perforations	10.00			2906.00	
Recorder	0.01	6753	Inside	2906.01	
Perforations	5.00			2911.01	
Recorder	0.01	13534	Outside	2911.02	
Blank Spacing	33.00			2944.02	
Perforations	2.00			2946.02	
Bullnose	3.00			2949.02	54.02 Bottom Packers & Anchor

Total Tool Length: 75.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Davidson #1

PO Box 33
Russell KS 67665

5 16 11w Barton KS

Job Ticket: 26797

DST#: 1

ATTN: Allen Bangert

Test Start: 2006.09.07 @ 09:47:09

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VGOCM 50%G 22%O 28%M	0.568
65.00	HO&GCM 20%G 20%O 60%M	0.912

Total Length: 125.00 ft

Total Volume: 1.480 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Mai Oil Operations Inc

Davidson #1

PO Box 33
Russell KS 67665

5 16 11w Barton KS

Job Ticket: 26797

DST#: 1

ATTN: Allen Bangert

Test Start: 2006.09.07 @ 09:47:09

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	20	0.25	16.00	48.23
1	20	0.25	16.00	48.23
1	30	0.25	9.00	37.12
1	40	0.25	5.00	30.78
1	45	0.25	3.00	27.60
2	5	0.25	31.00	72.02

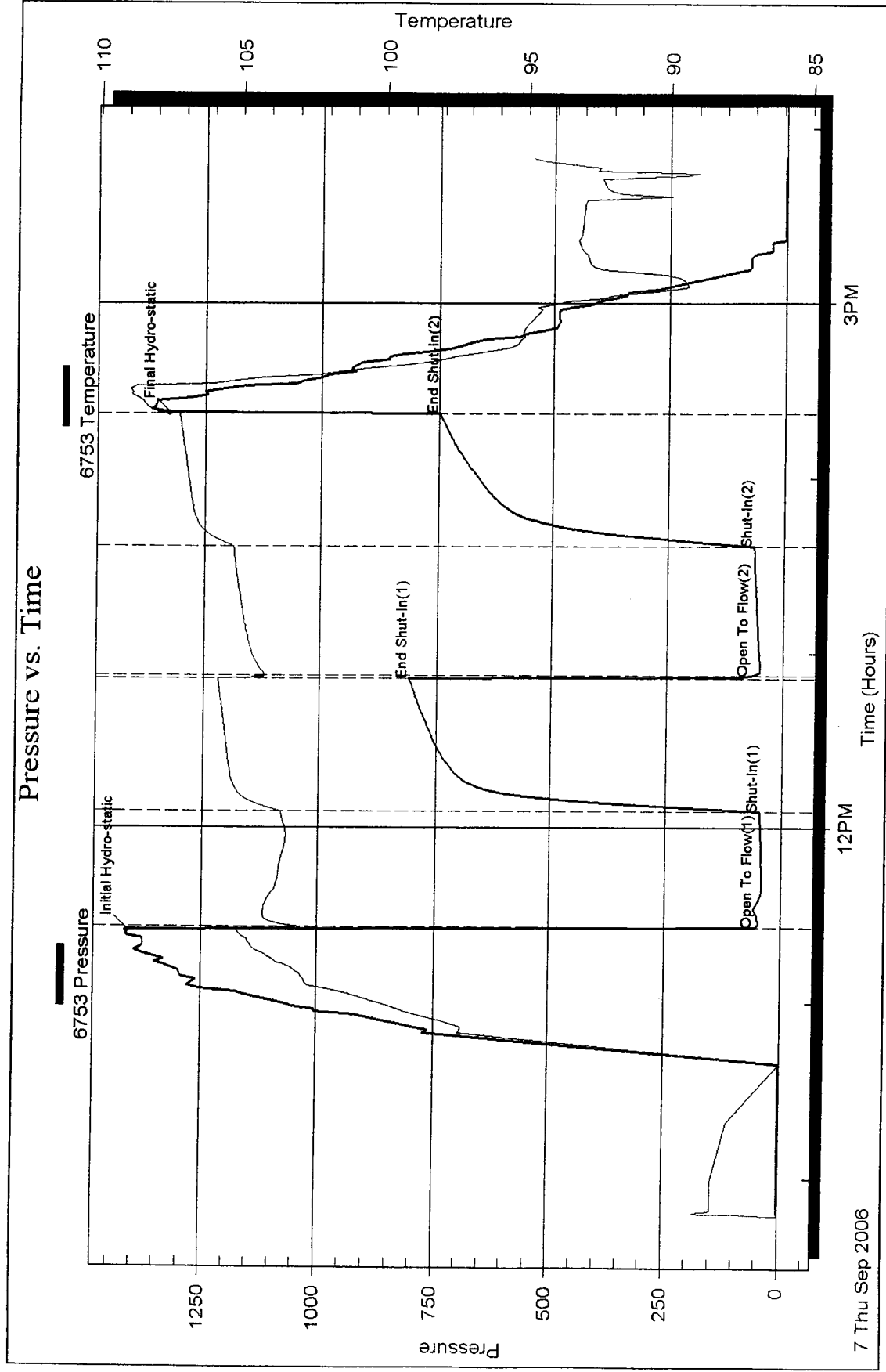
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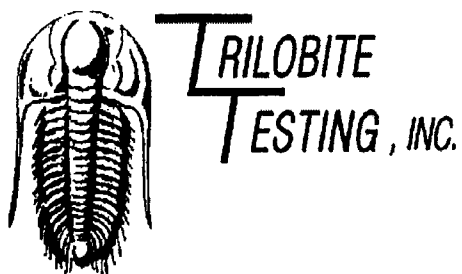
Inside

Mai Oil Operations Inc

5 16 11w Barton KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

5 16 11w Barton KS

Davidson #1

Start Date: 2006.09.08 @ 01:36:32

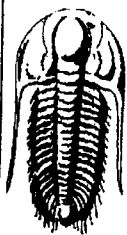
End Date: 2006.09.08 @ 08:23:26

Job Ticket #: 26798 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26798

DST#: 2

Test Start: 2006.09.08 @ 01:36:32

GENERAL INFORMATION:

Formation: **LKC E-G**

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

Time Tool Opened: 03:17:57

Time Test Ended: 08:23:26

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Interval: **2946.00 ft (KB) To 3010.00 ft (KB) (TVD)**

Total Depth: **3010.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **1764.00 ft (KB)**

1756.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6753 **Inside**

Press@RunDepth: **188.55 psig @ 2952.01 ft (KB)**

Start Date: **2006.09.08**

End Date:

2006.09.08

Start Time: **01:36:32**

End Time:

08:23:26

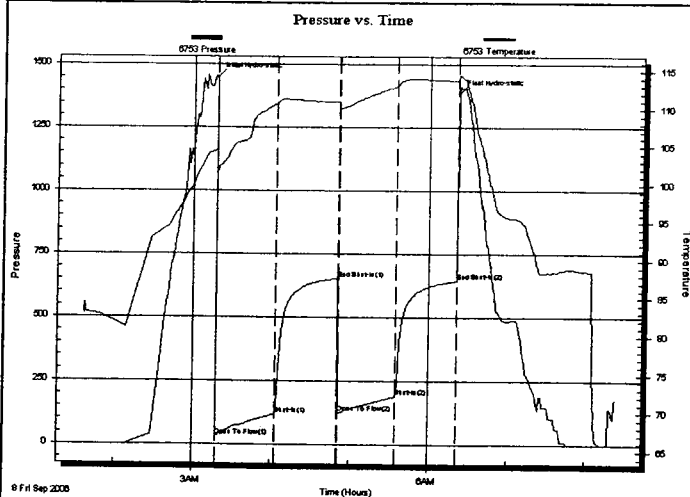
Capacity: **7000.00 psig**

Last Calib.: **2006.09.08**

Time On Btm: **2006.09.08 @ 03:17:27**

Time Off Btm: **2006.09.08 @ 06:21:56**

TEST COMMENT: **IFP Wk to strg in 20 min**
FFP Wk to a gd bl 1/2 " to 7 " bl
Times 45 45 45 45
No bl on shut-in



PRESSURE SUMMARY

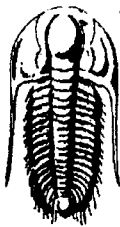
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1450.37	104.57	Initial Hydro-static
1	29.23	101.67	Open To Flow (1)
46	118.04	110.71	Shut-In (1)
94	651.22	111.01	End Shut-In (1)
95	123.22	109.93	Open To Flow (2)
138	188.55	113.07	Shut-In (2)
184	643.04	113.80	End Shut-In (2)
185	1385.57	114.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	water RW .16 @ 72F	2.25
60.00	SOCMW 1%O 40%M 59%W	0.84
105.00	OCWM 5%O 70%M 25%W	1.47
2.00	CO	0.03
0.00	135' GIP	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

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26798

DST#: 2

Test Start: 2006.09.08 @ 01:36:32

Tool Information

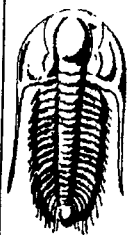
Drill Pipe:	Length: 2925.00 ft	Diameter: 3.80 inches	Volume: 41.03 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 41.18 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2946.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.02 ft			
Tool Length:	85.02 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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Change Over Sub	1.00			2926.00	
Shut In Tool	5.00			2931.00	
Hydraulic tool	5.00			2936.00	
Packer	5.00			2941.00	21.00 Bottom Of Top Packer
Packer	5.00			2946.00	
Stubb	1.00			2947.00	
Perforations	5.00			2952.00	
Recorder	0.01	6753	Inside	2952.01	
Blank Spacing	32.00			2984.01	
Recorder	0.01	13534	Outside	2984.02	
Perforations	23.00			3007.02	
Bullnose	3.00			3010.02	64.02 Bottom Packers & Anchor

Total Tool Length: 85.02



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Davidson #1

PO Box 33
Russell KS 67665

5 16 11w Barton KS

Job Ticket: 26798

DST#: 2

ATTN: Allen Bangert

Test Start: 2006.09.08 @ 01:36:32

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:

46000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.90 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	water RW .16 @ 72F	2.252
60.00	SOCMW 1%O 40%M 59%W	0.842
105.00	OCWM 5%O 70%M 25%W	1.473
2.00	CO	0.028
0.00	135' GIP	0.000

Total Length: 347.00 ft

Total Volume: 4.595 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

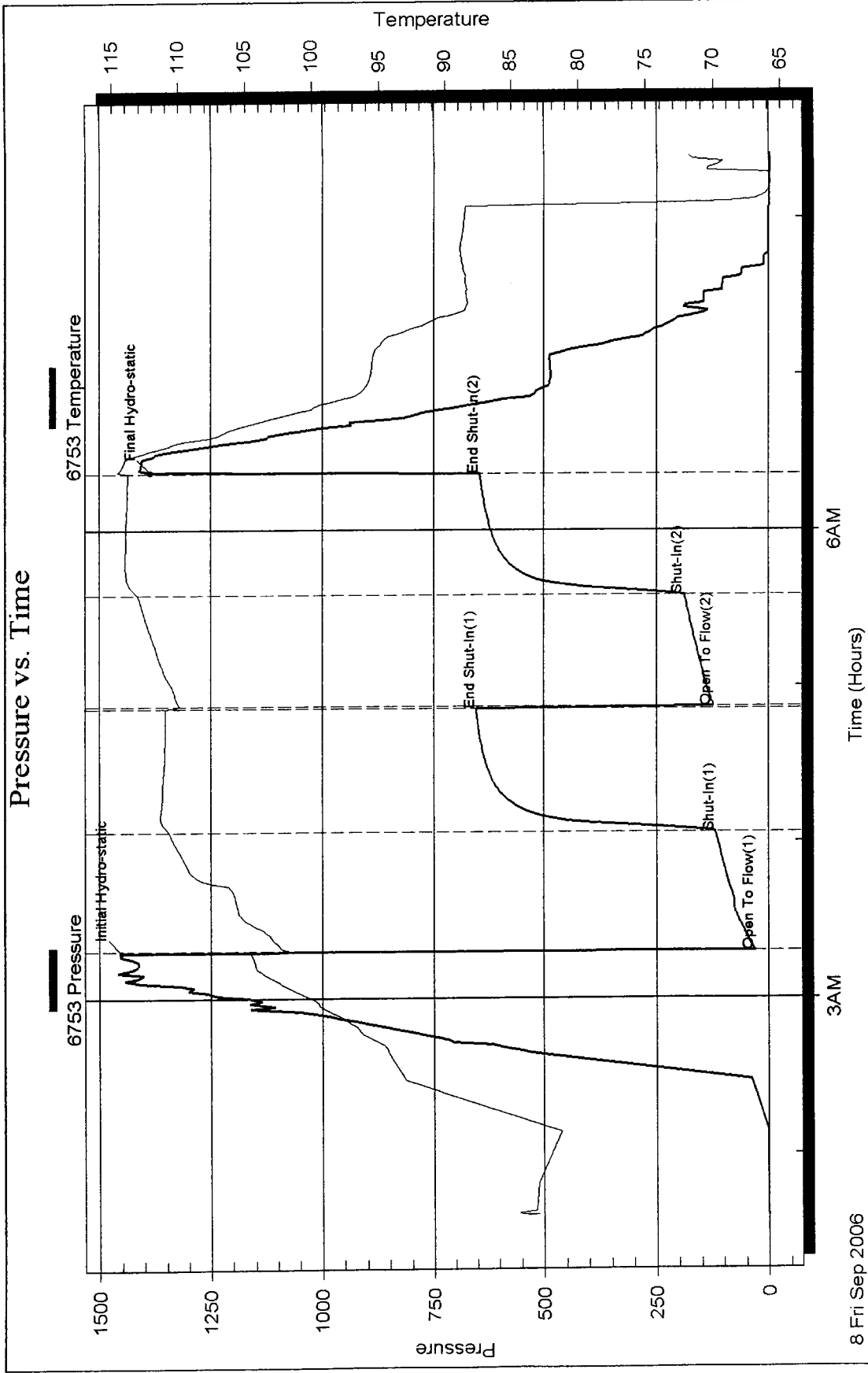
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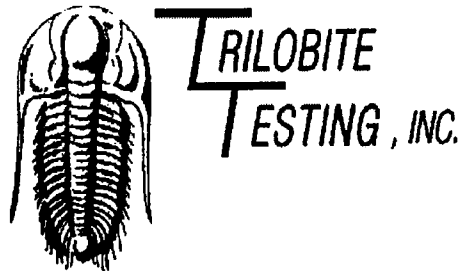
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

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ATTN: Allen Bangert

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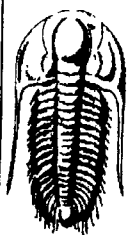
Davidson #1

Start Date: 2006.09.09 @ 06:19:00

End Date: 2006.09.09 @ 11:35:54

Job Ticket #: 26799 DST #: 3

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



TRILOBITE
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DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26799

DST#: 3

Test Start: 2006.09.09 @ 06:19:00

GENERAL INFORMATION:

Formation: **LKC H-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:54:25

Time Test Ended: 11:35:54

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3041.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: 3150.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1764.00 ft (KB)

1756.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753 Inside

Press@RunDepth: 66.55 psig @ 3051.01 ft (KB)

Start Date: 2006.09.09

End Date: 2006.09.09

Start Time: 06:19:00

End Time: 11:35:54

Capacity: 7000.00 psig

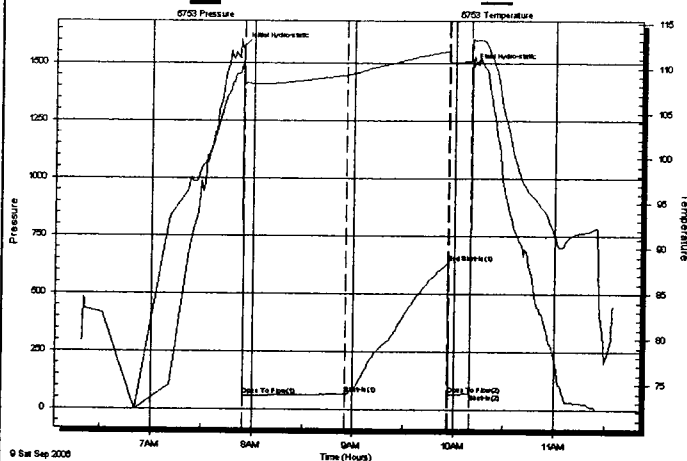
Last Calib.: 2006.09.09

Time On Btm: 2006.09.09 @ 07:53:55

Time Off Btm: 2006.09.09 @ 10:10:25

TEST COMMENT: IFP Wk bl thru-out 1/4 " to 3/4 " bl
FFP No bl flushed tool gd surge after flush
Times 60 60 15 out
no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1570.93	110.48	Initial Hydro-static
1	57.59	108.16	Open To Flow (1)
62	66.55	109.26	Shut-In(1)
123	633.30	111.90	End Shut-In(1)
123	69.17	110.63	Open To Flow(2)
136	71.95	110.83	Shut-In(2)
137	1484.53	113.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOCM 3%O 97%M	0.22

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26799

DST#: 3

Test Start: 2006.09.09 @ 06:19:00

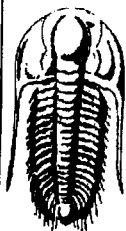
Tool Information

Drill Pipe:	Length: 3015.00 ft	Diameter: 3.80 inches	Volume: 42.29 bbl	Tool Weight:	2200.00 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:	42.44 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3041.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	111.02 ft				
Tool Length:	132.02 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			3021.00	
Shut In Tool	5.00			3026.00	
Hydraulic tool	5.00			3031.00	
Packer	5.00			3036.00	21.00 Bottom Of Top Packer
Packer	5.00			3041.00	
Stubb	1.00			3042.00	
Perforations	9.00			3051.00	
Recorder	0.01	6753	Inside	3051.01	
Perforations	3.00			3054.01	
Recorder	0.01	13534	Outside	3054.02	
Blank Spacing	93.00			3147.02	
Perforations	2.00			3149.02	
Bullnose	3.00			3152.02	111.02 Bottom Packers & Anchor

Total Tool Length: 132.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Davidson #1

PO Box 33
Russell KS 67665

5 16 11w Barton KS

Job Ticket: 26799

DST#: 3

ATTN: Allen Bangert

Test Start: 2006.09.09 @ 06:19:00

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.91 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	SOCM 3%O 97%M	0.218

Total Length: 35.00 ft

Total Volume: 0.218 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

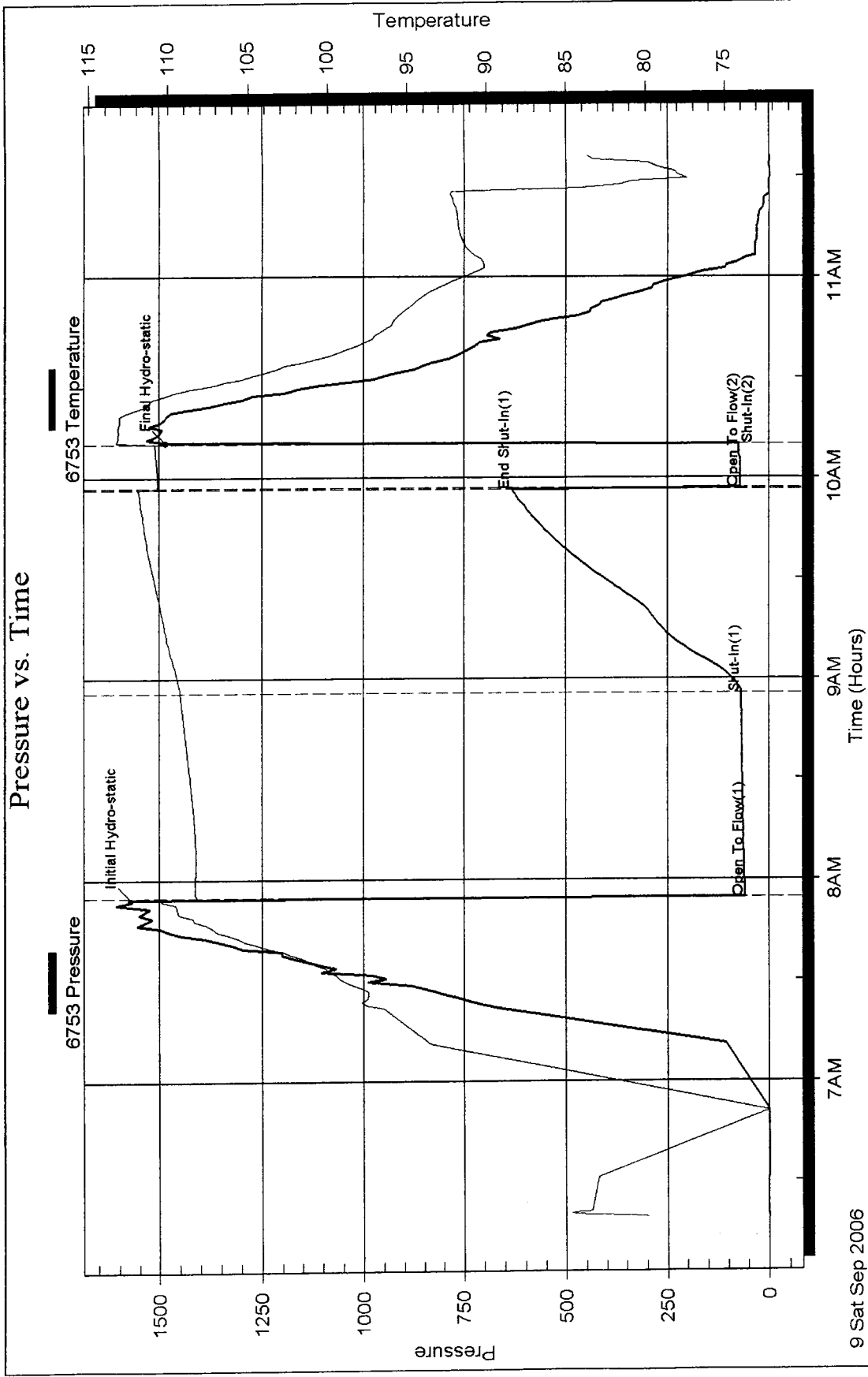
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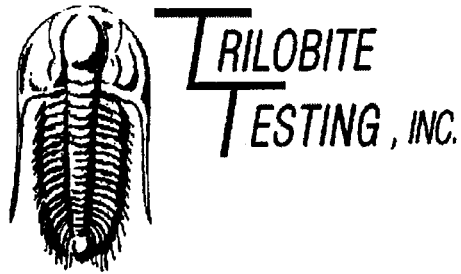
Mai Oil Operations Inc

5 16 11w Barton KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

5 16 11w Barton KS

Davidson #1

Start Date: 2006.09.10 @ 04:40:59

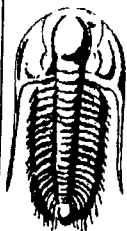
End Date: 2006.09.10 @ 09:03:53

Job Ticket #: 26800 DST #: 4

Trilobite Testing, Inc

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Davidson #1

5 16 11w Barton KS

Job Ticket: 26800

DST#: 4

Test Start: 2006.09.10 @ 04:40:59

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:40:24

Time Test Ended: 09:03:53

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3174.00 ft (KB) To 3249.00 ft (KB) (TVD)**

Total Depth: 3249.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1764.00 ft (KB)

1756.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753 Inside

Press@RunDepth: 22.73 psig @ 3185.01 ft (KB)

Start Date: 2006.09.10

End Date:

2006.09.10

Start Time: 04:40:59

End Time:

09:03:53

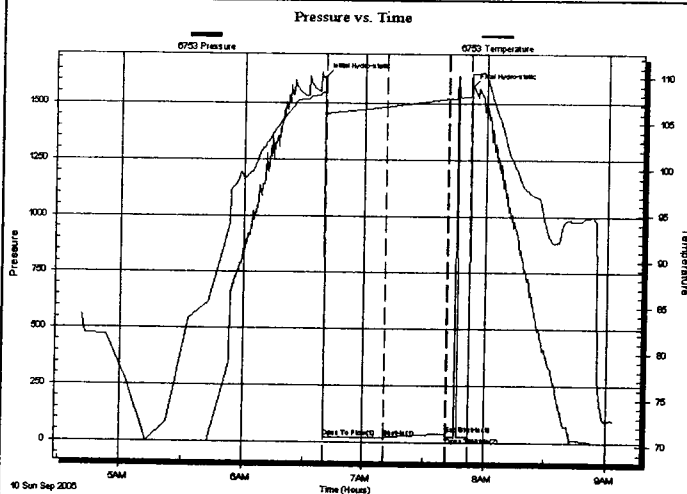
Capacity: 7000.00 psig

Last Calib.: 2006.09.10

Time On Btm: 2006.09.10 @ 06:39:54

Time Off Btm: 2006.09.10 @ 07:52:54

TEST COMMENT: IFF Wk bl died in 28 min
FFP No bl flushed tool surge after flush
Times 30 30 10 out



PRESSURE SUMMARY

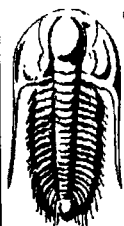
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1612.88	108.43	Initial Hydro-static
1	21.93	106.08	Open To Flow (1)
31	22.73	106.83	Shut-In(1)
61	39.39	107.70	End Shut-In(1)
62	24.30	107.68	Open To Flow (2)
73	26.14	108.00	Shut-In(2)
73	1572.13	110.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

Davidson #1

PO Box 33
Russell KS 67665

5 16 11w Barton KS

Job Ticket: 26800

DST#: 4

ATTN: Allen Bangert

Test Start: 2006.09.10 @ 04:40:59

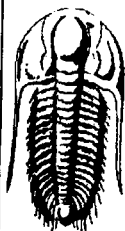
Tool Information

Drill Pipe:	Length: 3139.00 ft	Diameter: 3.80 inches	Volume: 44.03 bbl	Tool Weight: 2200.00 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: 44.18 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3174.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.02 ft			
Tool Length:	96.02 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			3154.00	
Shut In Tool	5.00			3159.00	
Hydraulic tool	5.00			3164.00	
Packer	5.00			3169.00	21.00 Bottom Of Top Packer
Packer	5.00			3174.00	
Stubb	1.00			3175.00	
Perforations	10.00			3185.00	
Recorder	0.01	6753	Inside	3185.01	
Blank Spacing	33.00			3218.01	
Recorder	0.01	13534	Outside	3218.02	
Perforations	28.00			3246.02	
Bullnose	3.00			3249.02	75.02 Bottom Packers & Anchor

Total Tool Length: 96.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Davidson #1

PO Box 33
Russell KS 67665

5 16 11w Barton KS

Job Ticket: 26800

DST#: 4

ATTN: Allen Bangert

Test Start: 2006.09.10 @ 04:40:59

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: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

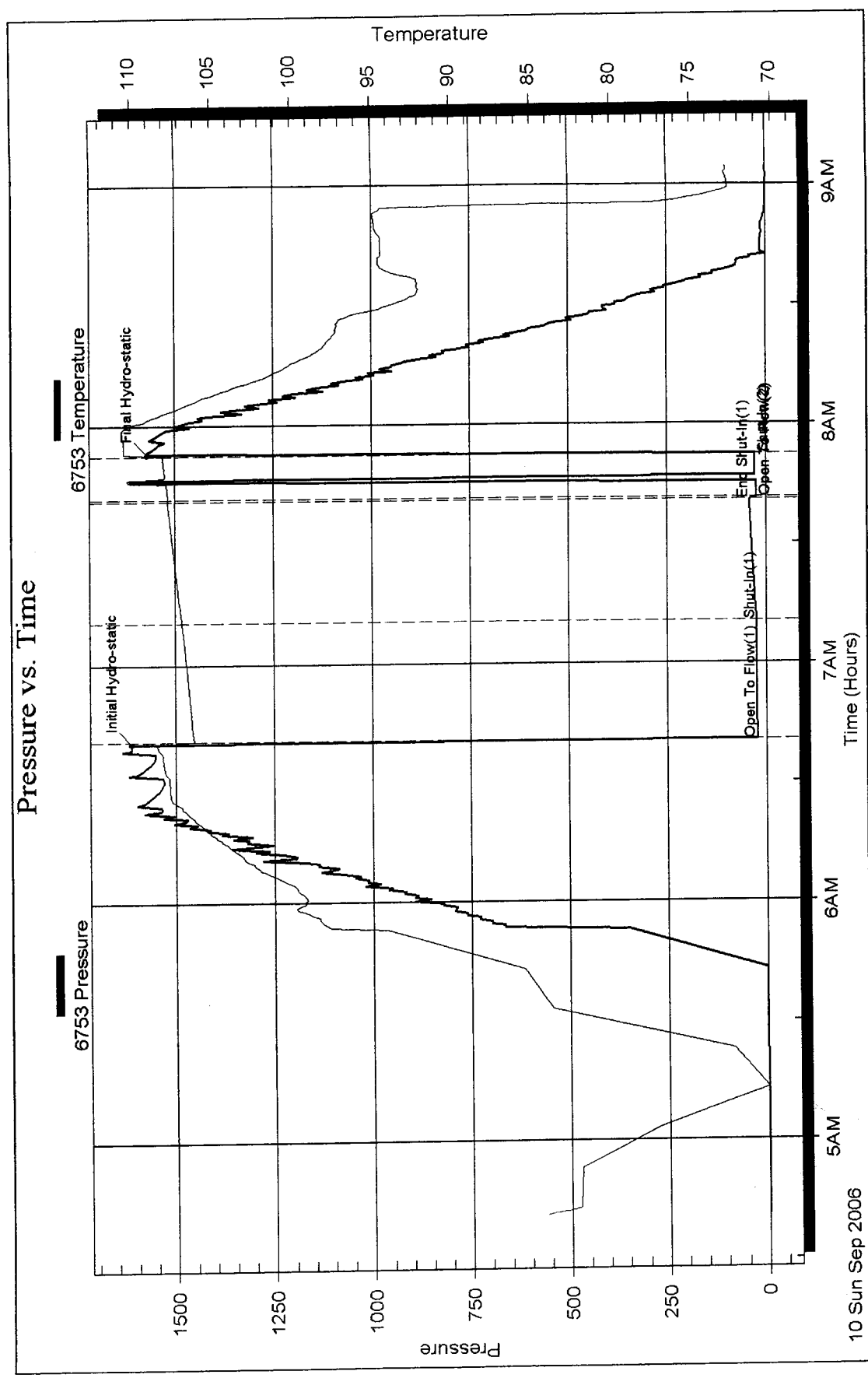
Serial #:

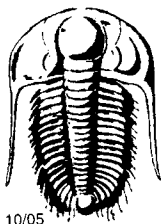
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26797

9229

Test Ticket

Well Name & No. DAVIDSON #1 Test No. 1 Date 9-7-06
 Company MAI OIL OPERATIONS INC Zone Tested LKC A-C
 Address P.O. Box 33 Russell, Ko 67665 Elevation 1764 KB 1756 GL
 Co. Rep / Geo. KITT NOAH Rig SOUTHWIND r.g 3
 Location: Sec. 5 Twp. 16^s Rge. 11^w Co. BARTON State Ko
 Comment: _____ Release date / time: _____

Interval Tested 2895-2947 Initial Str Wt./Lbs. 38000 Unseated Str Wt./Lbs. 39000
 Anchor Length 52 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 2890 Tool Weight 2200
 Bottom Packer Depth 2895 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 2947 Wt. Pipe Run _____ Drill Collar Run 30
 Mud Wt. 9 LCM TR Vis. 50 WL 8 Drill Pipe Size 4 1/2 XH Ft. Run 2863
 Blow Description IFP-STRONG Blow GTS IN 13 min
FFP-STRONG Blow GTS
no Blow on shut-IN

Recovery - Total Feet 129 GIP GTS Ft. in DC 30 Ft. in DP 95
 Rec. 65 Feet of HO 46 CM 20 %gas 20 %oil %water 60 %mud
 Rec. 60 Feet of V60 CM 50 %gas 22 %oil %water 28 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5300 ppm System

AK-1	Alpine	Recorder No.	<u>6753</u>	Test	<u>1100</u>
(A) Initial Hydrostatic Mud	<u>1375</u> PSI	(depth)	<u>2906</u>	Jars	_____
(B) First Initial Flow Pressure	<u>55</u> PSI	Recorder No.	<u>13534</u>	Safety Jt.	_____
(C) First Final Flow Pressure	<u>46</u> PSI	(depth)	<u>2911</u>	Circ Sub	_____
(D) Initial Shut-In Pressure	<u>809</u> PSI	Recorder No.	<u>—</u>	Sampler	_____
(E) Second Initial Flow Pressure	<u>69</u> PSI	(depth)	<u>—</u>	Straddle	_____
(F) Second Final Flow Pressure	<u>63</u> PSI	Initial Opening	<u>45</u>	Ext. Packer	_____
(G) Final Shut-In Pressure	<u>747</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer	_____
(Q) Final Hydrostatic Mud	<u>1355</u> PSI	Final Flow	<u>45</u>	Ruined Packer	_____
		Final Shut-In	<u>45</u>	Mileage	<u>✓ 110 RT 137.50</u>
		T-On Location	<u>0840</u>	Sub Total:	_____
		T-Started	<u>0947</u>	Std. By	_____
		T-Open	<u>1120</u>	Acc. Chg:	<u>\$1237.50</u>
		T-Pulled	<u>1420</u>	Other:	_____
		T-Out	<u>1550</u>	Total:	_____

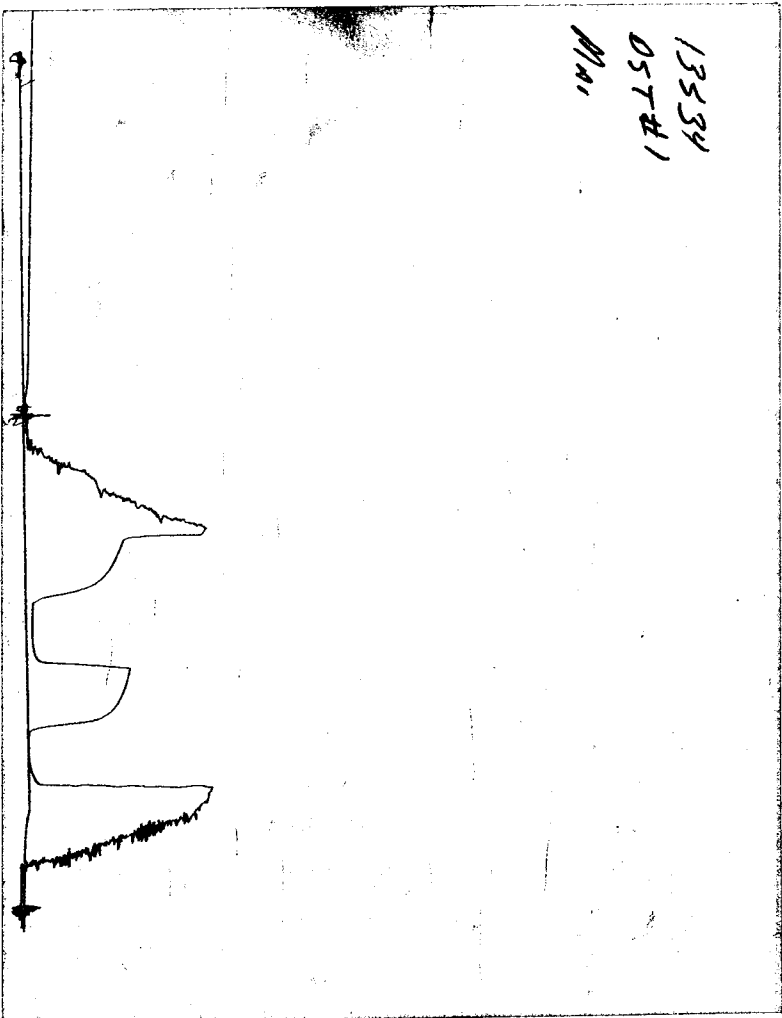
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Approved By KITT NOAH
 Our Representative RAY SCHWAGER Thank you

CHART PAGE

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

13534
OST#1
MM.





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MAIL OPERATIONS

OPERATOR

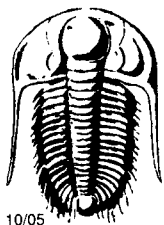
Davidson #1

WELL NAME AND NO.

1

DST NO.

Remarks:



TRILOBITE TESTING INC.

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26798

Test Ticket

Well Name & No. Davidson #1 Test No. 2 Date 7-8-66
 Company MAI OIL OPERATIONS INC Zone Tested LKC E-G
 Address P.O. Box 33 Russell, Ks 67665 Elevation 1764 KB 1756 GL
 Co. Rep / Geo. KITTNOAH Rig Southwind 1193
 Location: Sec. 5 Twp. 16^s Rge. 11^w Co. BARTON State K
 Comment: _____ Release date / time: _____

Interval Tested 2946-3010 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 41000
 Anchor Length 64 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 55000
 Top Packer Depth 2941 Tool Weight 2200
 Bottom Packer Depth 2946 Hole Size 7 7/8" — Rubber Size 6 3/4" —
 Total Depth 3010 Wt. Pipe Run — Drill Collar Run 30
 Mud Wt. 8.9 LCM — Vis. 54 WL 8 Drill Pipe Size 4 1/2 XH Ft. Run 2925
 Blow Description IFP - ~~WEAK~~ WEAK TO STRONG IN 20 MIN
FFP - WEAK TO A GOOD BLOW 1/2" TO 7" BLOW
NO BLOW ON SHUT-IN

Recovery - Total Feet 345 GIP 135 Ft. in DC 30 Ft. in DP 315
 Rec. 2' Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 105 Feet of OCWM %gas 5 %oil 25 %water 70 %mud _____
 Rec. 60 Feet of SOC MW %gas 1 %oil 59 %water 40 %mud _____
 Rec. 180 Feet of WATER %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 113 °F Gravity — °API D @ — °F Corrected Gravity _____ °API
 RW .32 @ 22 °F Chlorides 4600 ppm Recovery _____ Chlorides 5300 ppm System
.16 AK-1 Alpine 46000

(A) Initial Hydrostatic Mud	<u>1413</u> PSI	Recorder No.	<u>6753</u>	Test ☒	<u>1100</u>
(B) First Initial Flow Pressure	<u>29</u> PSI	(depth)	<u>2952</u>	Jars	_____
(C) First Final Flow Pressure	<u>118</u> PSI	Recorder No.	<u>13534</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>651</u> PSI	(depth)	<u>2984</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>123</u> PSI	Recorder No.	<u>—</u>	Sampler	_____
(F) Second Final Flow Pressure	<u>188</u> PSI	(depth)	<u>—</u>	Straddle	_____
(G) Final Shut-In Pressure	<u>643</u> PSI	Initial Opening	<u>45</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1405</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer	_____
		Final Flow	<u>45</u>	Ruined Packer	_____
		Final Shut-In	<u>45</u>	Mileage ☒	<u>42 RT 52.50</u>

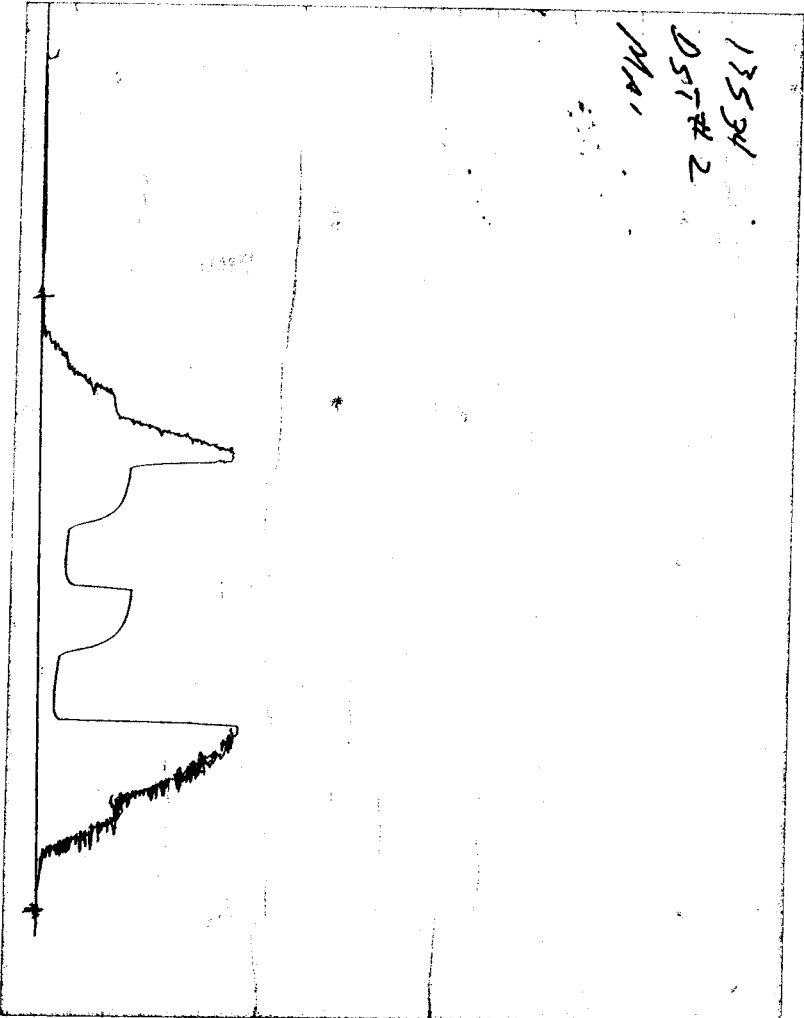
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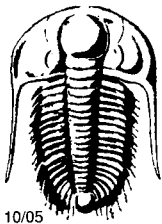
Approved By Kitt Noah
 Our Representative Ray Schwager *thank you*

T-On Location 0100
 T-Started 0136
 T-Open 0320
 T-Pulled 0620
 T-Out 0823
 Sub Total: _____
 Std. By _____
 Acc. Chg: \$1152.50
 Other: _____
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26799

Test Ticket

Well Name & No.	Davidson #1		Test No.	3	Date	7-9-06
Company	Maj. Oil Operations Inc		Zone Tested	LKC H-K		
Address	P.O. Box 33 Russell Ks 67665		Elevation	1764	KB	1756 GL
Co. Rep / Geo.	KITT NOAH		Rig	Southwind rig 3		
Location: Sec.	5	Twp.	16 ^s	Rge.	11 ^w	Co. Barton State Ks
Comment:						Release date / time:

Interval Tested	3041-3150	Initial Str Wt./Lbs.	42000	Unseated Str Wt./Lbs.	42000
Anchor Length	109	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	55000
Top Packer Depth	3036	Tool Weight	2200		
Bottom Packer Depth	3041	Hole Size 7 7/8"		Rubber Size 6 3/4"	
Total Depth	3150	Wt. Pipe Run		Drill Collar Run	30
Mud Wt. 9.1 LCM - Vis. 60 WL 8		Drill Pipe Size 4 1/2 XH		Ft. Run	3015
Blow Description	IFP- Weak Blow thru-out 1/4" to 3/4" Blow FFP- No Blow, flushed Tool, got gd surge after flush				

Recovery - Total Feet	35	GIP	-	Ft. in DC	30	Ft. in DP	5
Rec.	35	Feet of	SOCM	%gas	3	%oil	%water 97 %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	112	*F Gravity	-	*API D @	-	*F Corrected Gravity	*API
RW	-	@	-	*F Chlorides	-	ppm Recovery	Chlorides 5300 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	1519	PSI	Recorder No.	6753	Test	✓ 1100
(B) First Initial Flow Pressure	57	PSI	(depth)	3051	Jars	
(C) First Final Flow Pressure	66	PSI	Recorder No.	13534	Safety Jt.	
(D) Initial Shut-In Pressure	633	PSI	(depth)	3054	Circ Sub	
(E) Second Initial Flow Pressure	69	PSI	Recorder No.	-	Sampler	
(F) Second Final Flow Pressure	71	PSI	(depth)	-	Straddle	
(G) Final Shut-In Pressure	-	PSI	Initial Opening	60	Ext. Packer	
(Q) Final Hydrostatic Mud	1492	PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	15	Ruined Packer	
			Final Shut-In	-	Mileage	✓ 42 RT 52.50

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Approved By Kitt Noah
Our Representative Ray Schwager Thank you

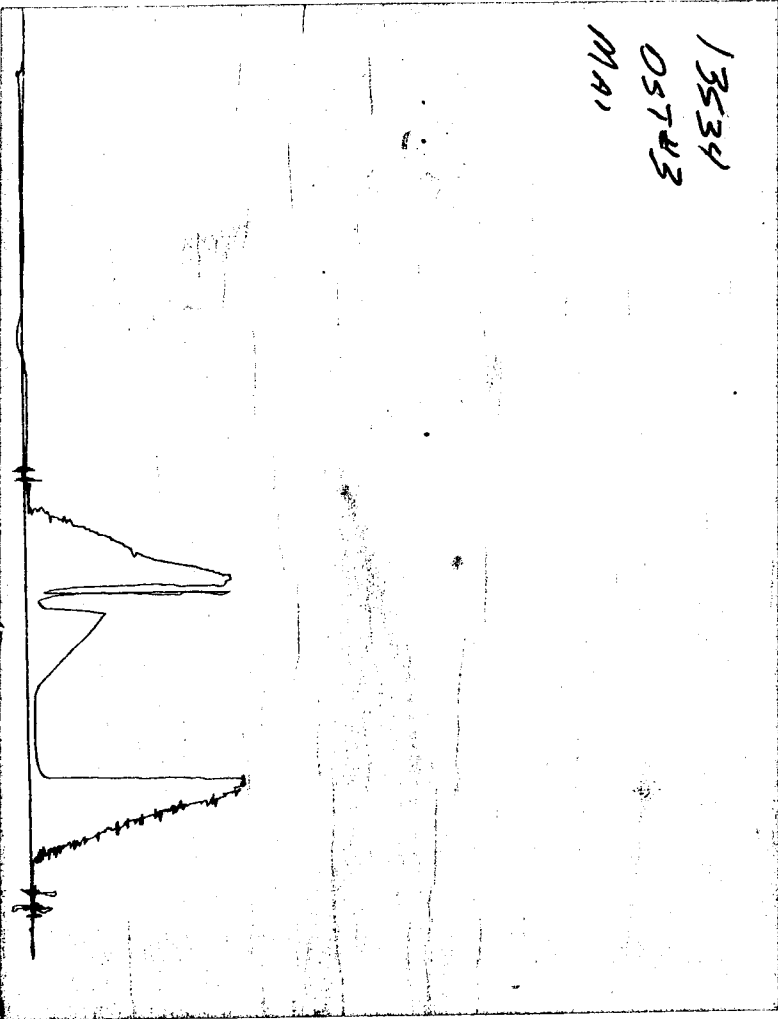
T-On Location 0600
T-Started 0618
T-Open 0755
T-Pulled 1010
T-Out 1135

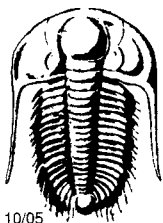
Sub Total: \$1152.50
Std. By ✓
Acc. Chg: ✓
Other: ✓
Total: ✓

CHART PAGE

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

13534
05743
MA1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26800

Test Ticket

Well Name & No.	Davidson #1		Test No.	4	Date	7-10-06
Company	MAI OIL OPERATIONS INC		Zone Tested	Arbuckle		
Address	P.O. Box 33 Russell, Ks 67665		Elevation	1764	KB	1756 GL
Co. Rep / Geo.	KITT NOAH		Rig	Southwind rig 3		
Location: Sec.	5	Twp.	16 ^s	Rge.	11 ^w	Co. Barton State Ks
Comment:						Release date / time:

Interval Tested	3174-3249	Initial Str Wt./Lbs.	42000	Unseated Str Wt./Lbs.	42000
Anchor Length	75	Wt. Set Lbs.	25000	Wt. Pulled Loose/Lbs.	58000
Top Packer Depth	3169	Tool Weight	2200		
Bottom Packer Depth	3174	Hole Size 7 7/8"	—	Rubber Size 6 3/4"	—
Total Depth	3249	Wt. Pipe Run	—	Drill Collar Run	30
Mud Wt.	9.2 LCM	Vis.	61	WL	8.8
Drill Pipe Size	4 1/2 XH	Ft. Run	3139		
Blow Description	IFP - WPAK Blow died in 28 min FFP - NO Blow, flushed Tool, got surge after flush				

Recovery - Total Feet	5	GIP	—	Ft. in DC	5	Ft. in DP	—
Rec.	5	Feet of	Mud	%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	108	°F Gravity	—	°API D @	—	°F Corrected Gravity	—
RW	—	@	—	°F	Chlorides	7900	ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1551 PSI	Recorder No.	6753	Test	✓	1100
(B) First Initial Flow Pressure			22 PSI	(depth)	3185	Jars		
(C) First Final Flow Pressure			23 PSI	Recorder No.	13534	Safety Jt.		
(D) Initial Shut-In Pressure			39 PSI	(depth)	3218	Circ Sub		
(E) Second Initial Flow Pressure			24 PSI	Recorder No.	—	Sampler		
(F) Second Final Flow Pressure			26 PSI	(depth)	—	Straddle		
(G) Final Shut-In Pressure			— PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1522 PSI	Initial Shut-In	30	Shale Packer		
				Final Flow	10	Ruined Packer		
				Final Shut-In	out	Mileage	✓	42 RT 32.50
				T-On Location	0400	Sub Total:		1152.50
				T-Started	0440	Std. By		
				T-Open	0640	Acc. Chg:		
				T-Pulled	0750	Other:		
				T-Out	0903	Total:		

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Approved By: Kitt Noah

Our Representative: Ray Schwager Thank you

CHART PAGE

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

13334
OST #4
PMA1

