



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16S14W Barton KS

Dietz-Miller Unit #1

Start Date: 2006.08.08 @ 19:14:37

End Date: 2006.08.09 @ 00:41:22

Job Ticket #: 23997 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: Kitt Noah

Dietz-Miller Unit #1

3 16S14W Barton KS

Job Ticket: 23997

DST#: 1

Test Start: 2006.08.08 @ 19:14:37

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:54:37

Time Test Ended: 00:41:22

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3063.00 ft (KB) To 3106.00 ft (KB) (TVD)**

Total Depth: 3106.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1938.00 ft (KB)

1930.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 16.33 psig @ 3066.00 ft (KB)

Start Date: 2006.08.08

End Date: 2006.08.09

Capacity: 7000.00 psig

Last Calib.: 2006.08.09

Start Time: 19:14:39

End Time: 00:41:22

Time On Btm: 2006.08.08 @ 20:54:22

Time Off Btm: 2006.08.08 @ 22:38:07

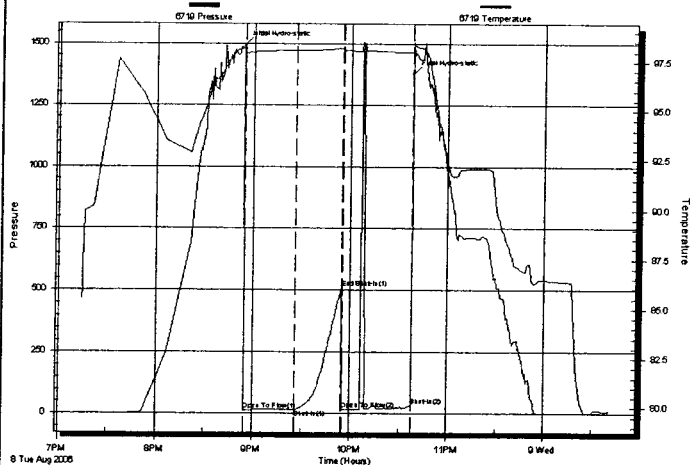
TEST COMMENT: IFP Weak Surface Blow Dead in 11 Min

ISI Dead

FFP Dead Flush After 10 Min Dead Pull tool After 10 Min

FSI Pulled Tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.23	98.21	Initial Hydro-static
1	13.51	97.82	Open To Flow (1)
32	16.33	98.07	Shut-In(1)
61	510.15	98.19	End Shut-In(1)
61	17.24	98.06	Open To Flow (2)
104	33.44	97.99	Shut-In(2)
104	1376.97	98.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	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

Mai Oil Operations Inc

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 23997

DST#:1

ATTN: Kitt Noah

Test Start: 2006.08.08 @ 19:14:37

Tool Information

Drill Pipe:	Length: 3042.00 ft	Diameter: 3.80 inches	Volume: 42.67 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	42.81 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3063.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	64.00 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			3043.00	
Shut In Tool	5.00			3048.00	
Hydraulic tool	5.00			3053.00	
Packer	5.00			3058.00	21.00 Bottom Of Top Packer
Packer	5.00			3063.00	
Stubb	1.00			3064.00	
Perforations	1.00			3065.00	
Change Over Sub	1.00			3066.00	
Recorder	0.00	6719	Inside	3066.00	
Blank Spacing	31.00			3097.00	
Change Over Sub	1.00			3098.00	
Perforations	5.00			3103.00	
Recorder	0.00	13221	Outside	3103.00	
Bullnose	3.00			3106.00	43.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 23997

DST#: 1

ATTN: Kitt Noah

Test Start: 2006.08.08 @ 19:14:37

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

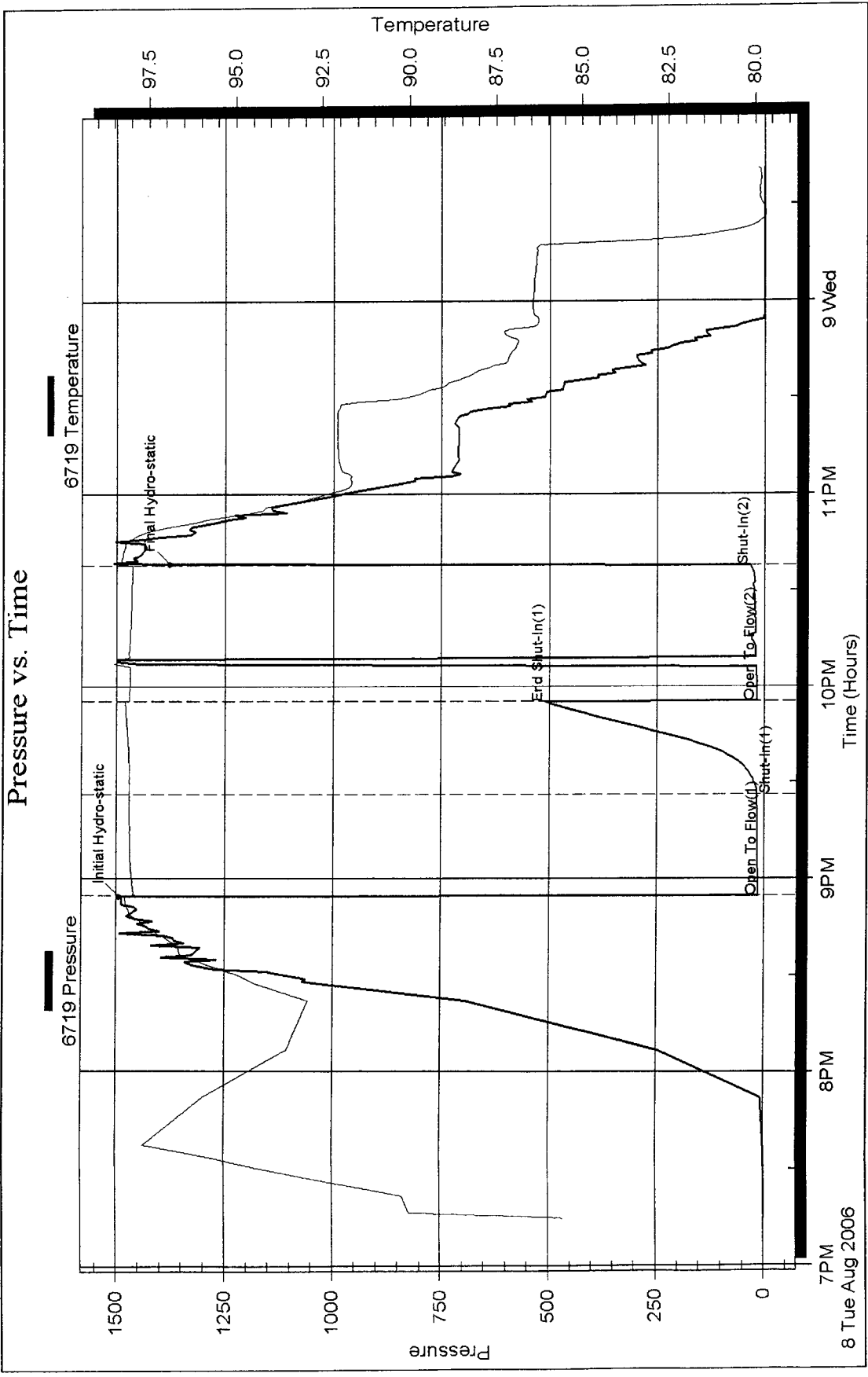
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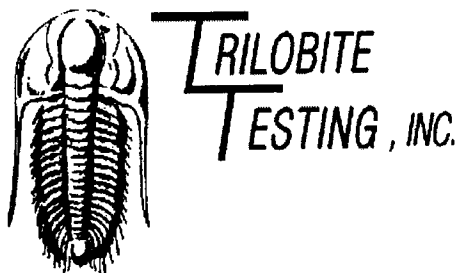
3 16S14W Barton KS

Mai Oil Operations Inc

Inside

Serial #: 6719





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16S14W Barton KS

Dietz-Miller Unit #1

Start Date: 2006.08.10 @ 01:56:40

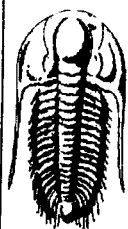
End Date: 2006.08.10 @ 12:09:25

Job Ticket #: 23998 DST #: 2

Trilobite Testing, Inc

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**TRILOBITE
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DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Dietz-Miller Unit #1

3 16S14W Barton KS

Job Ticket: 23998

DST#: 2

Test Start: 2006.08.10 @ 01:56:40

GENERAL INFORMATION:

Formation: **LKC-"B-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:40:40

Time Test Ended: 12:09:25

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3147.00 ft (KB) To 3190.00 ft (KB) (TVD)**

Total Depth: 3190.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1938.00 ft (KB)

1930.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 291.29 psig @ 3152.00 ft (KB)

Start Date: 2006.08.10

End Date:

2006.08.10

Start Time: 01:56:42

End Time:

12:09:25

Capacity: 7000.00 psig

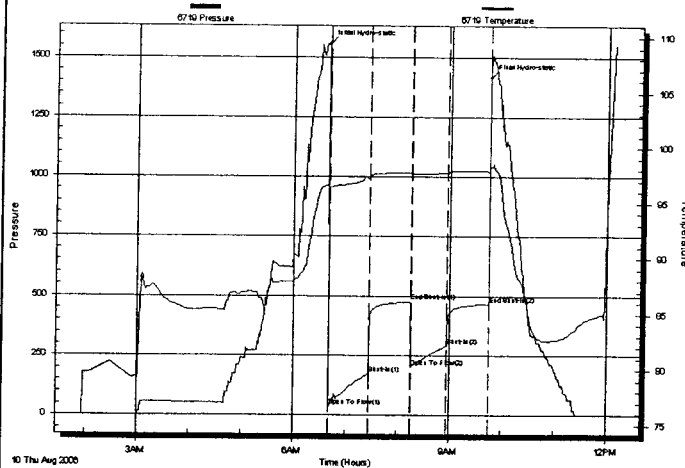
Last Calib.: 2006.08.10

Time On Btm: 2006.08.10 @ 06:40:10

Time Off Btm: 2006.08.10 @ 09:45:40

TEST COMMENT: IFP Good Blow BOB in 5 Min
ISI Surface Blow back After 20 Min
FFP Good Blow BOB in 6 Min
FSI Blow back Built to BOB in 25 Min

Pressure vs. Time



PRESSURE SUMMARY

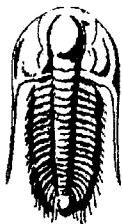
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.37	96.64	Initial Hydro-static
1	37.13	96.33	Open To Flow (1)
47	174.81	97.26	Shut-In (1)
95	475.98	97.74	End Shut-In (1)
96	201.44	97.67	Open To Flow (2)
137	291.29	97.77	Shut-In (2)
185	467.44	97.89	End Shut-In (2)
186	1415.77	98.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	GHOCMW 35%G 30%O 30%W 5%M	8.15
90.00	Muddy Water	1.26
0.00	570' 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

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 23998

DST#: 2

ATTN: Kitt Noah

Test Start: 2006.08.10 @ 01:56:40

Tool Information

Drill Pipe:	Length: 3105.00 ft	Diameter: 3.80 inches	Volume: 43.55 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose:	64000.00 lb
			<u>Total Volume: 43.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3147.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	64.00 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			3127.00	
Shut In Tool	5.00			3132.00	
Hydraulic tool	5.00			3137.00	
Packer	5.00			3142.00	21.00 Bottom Of Top Packer
Packer	5.00			3147.00	
Stubb	1.00			3148.00	
Perforations	3.00			3151.00	
Change Over Sub	1.00			3152.00	
Recorder	0.00	6719	Inside	3152.00	
Blank Spacing	29.00			3181.00	
Change Over Sub	1.00			3182.00	
Perforations	5.00			3187.00	
Recorder	0.00	13221	Outside	3187.00	
Bullnose	3.00			3190.00	43.00 Bottom Packers & Anchor

Total Tool Length: 64.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 23998

DST#: 2

ATTN: Kitt Noah

Test Start: 2006.08.10 @ 01:56:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 9.17 in³

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

35 deg API

Water Salinity:

17500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	GHOCMW 35%G 30%O 30%W 5%M	8.152
90.00	Muddy Water	1.262
0.00	570' GIP	0.000

Total Length: 690.00 ft

Total Volume: 9.414 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

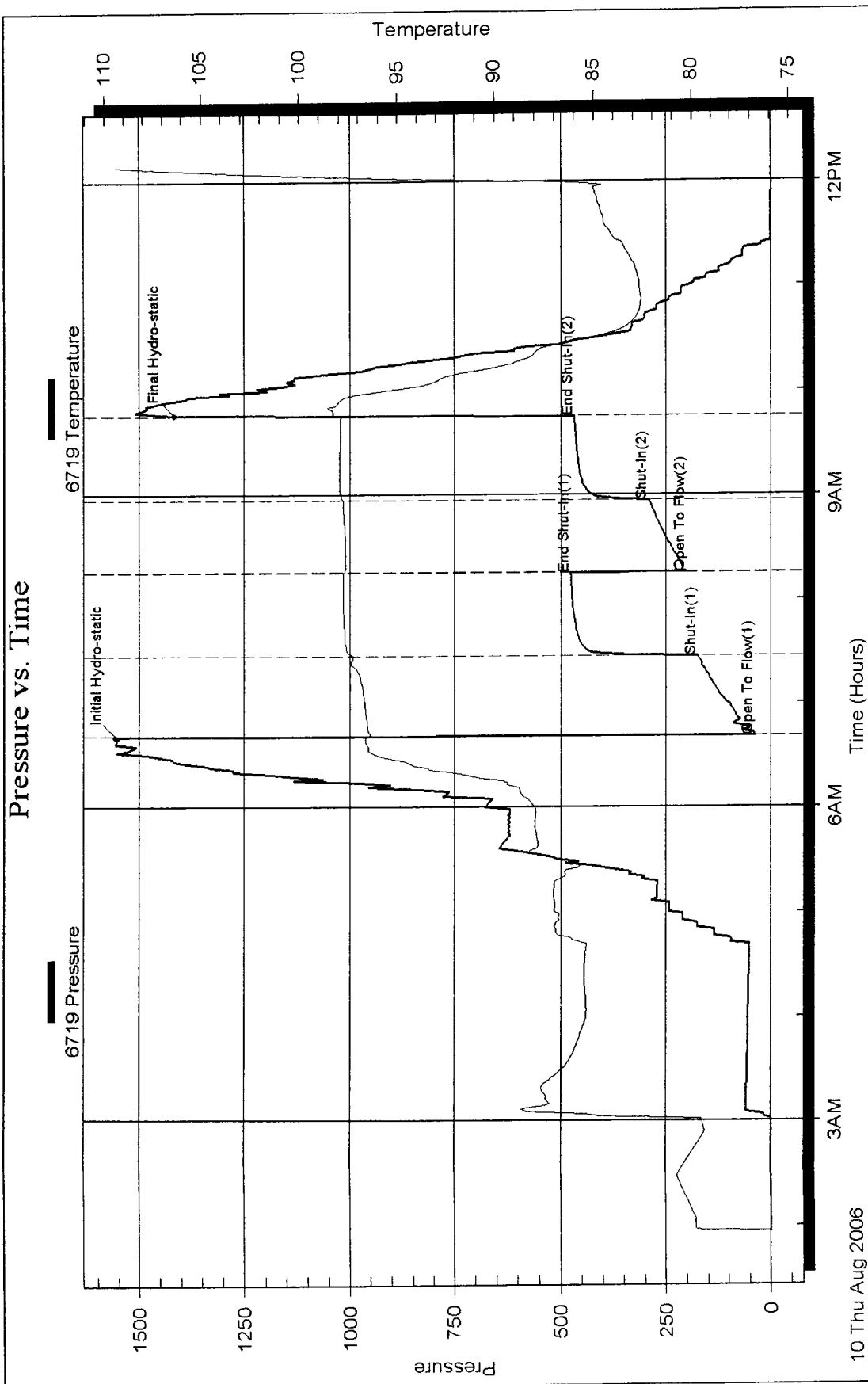
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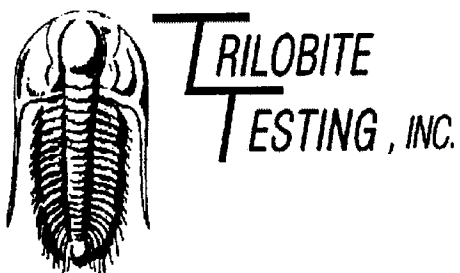
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16S14W Barton KS

Dietz-Miller Unit #1

Start Date: 2006.08.10 @ 22:21:20

End Date: 2006.08.11 @ 06:31:05

Job Ticket #: 23999 DST #: 3

Trilobite Testing, Inc

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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: Kitt Noah

Dietz-Miller Unit #1

3 16S14W Barton KS

Job Ticket: 23999

DST#: 3

Test Start: 2006.08.10 @ 22:21:20

GENERAL INFORMATION:

Formation: **LKC-"F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:29:05

Time Test Ended: 06:31:05

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3200.00 ft (KB) To 3245.00 ft (KB) (TVD)**

Total Depth: 3245.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1938.00 ft (KB)

1930.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 127.17 psig @ 3205.00 ft (KB)

Start Date: 2006.08.10

End Date:

2006.08.11

Start Time: 22:21:22

End Time:

06:31:05

Capacity: 7000.00 psig

Last Calib.: 2006.08.11

Time On Btm: 2006.08.11 @ 00:28:35

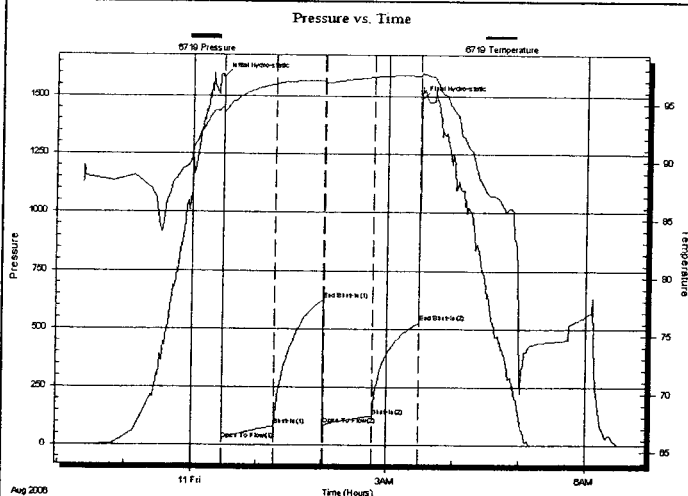
Time Off Btm: 2006.08.11 @ 03:29:35

TEST COMMENT: IFP Fair Blow BOB in 19 Min

ISI Dead

FFP Fair Blow BOB in 29 Min

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.57	94.70	Initial Hydro-static
1	22.57	94.42	Open To Flow (1)
48	82.61	96.74	Shut-In(1)
93	622.56	97.03	End Shut-In(1)
94	86.63	96.89	Open To Flow (2)
138	127.17	97.35	Shut-In(2)
181	526.89	97.48	End Shut-In(2)
181	1488.35	97.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Muddy Water 98%W 2%M	2.68
30.00	Clean Oil	0.42
0.00	120' 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

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 23999

DST#: 3

ATTN: Kitt Noah

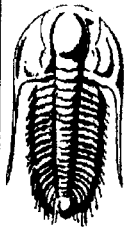
Test Start: 2006.08.10 @ 22:21:20

Tool Information

Drill Pipe:	Length: 3165.00 ft	Diameter: 3.80 inches	Volume: 44.40 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	44.54 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3200.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3180.00	
Shut In Tool	5.00			3185.00	
Hydraulic tool	5.00			3190.00	
Packer	5.00			3195.00	21.00 Bottom Of Top Packer
Packer	5.00			3200.00	
Stubb	1.00			3201.00	
Perforations	3.00			3204.00	
Change Over Sub	1.00			3205.00	
Recorder	0.00	6719	Inside	3205.00	
Blank Spacing	31.00			3236.00	
Change Over Sub	1.00			3237.00	
Perforations	5.00			3242.00	
Recorder	0.00	13221	Outside	3242.00	
Bullnose	3.00			3245.00	45.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 23999

DST#: 3

ATTN: Kitt Noah

Test Start: 2006.08.10 @ 22:21:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Muddy Water 98%W 2%M	2.682
30.00	Clean Oil	0.421
0.00	120' GIP	0.000

Total Length: 240.00 ft

Total Volume: 3.103 bbl

Num Fluid Samples: 0

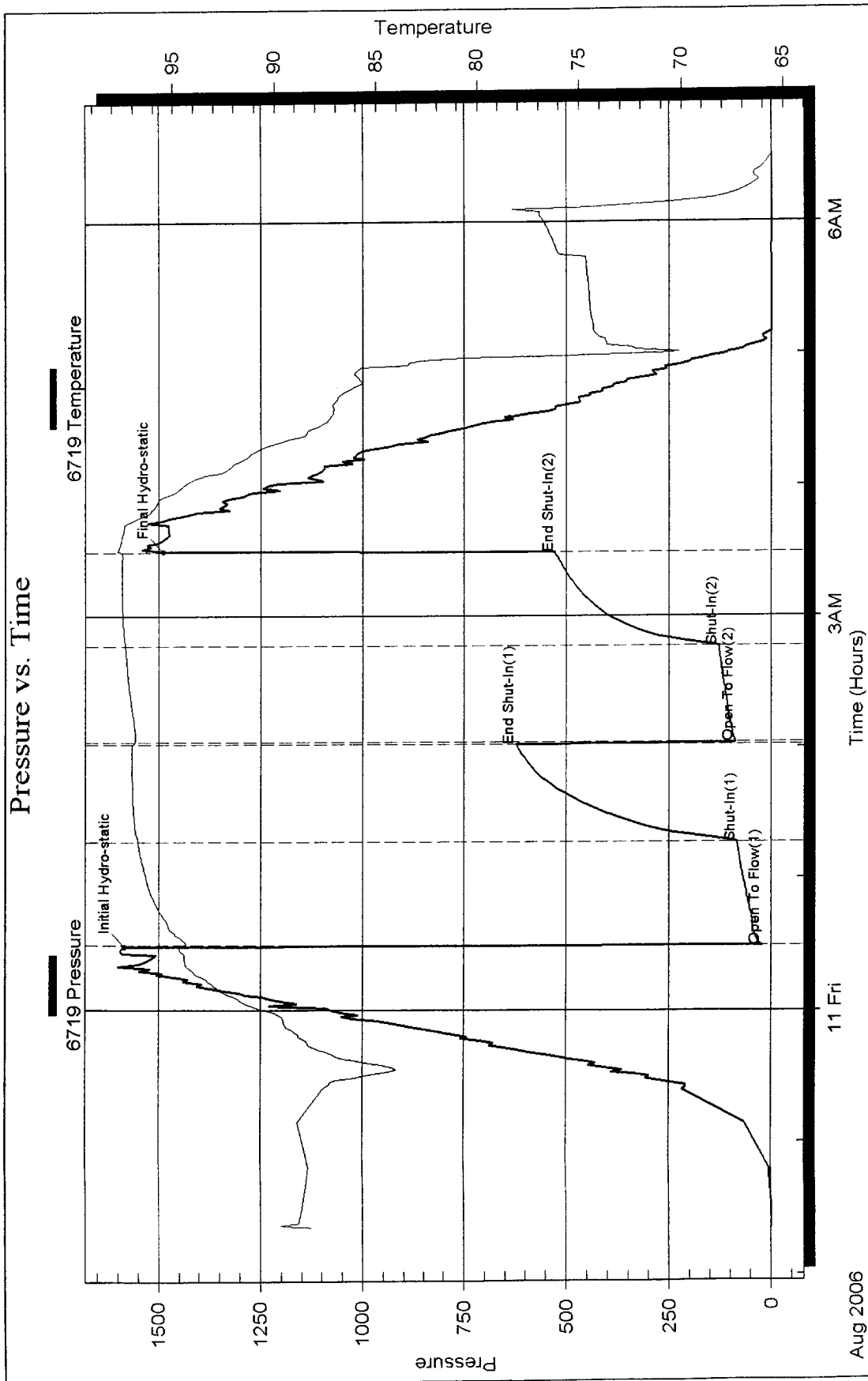
Num Gas Bombs: 0

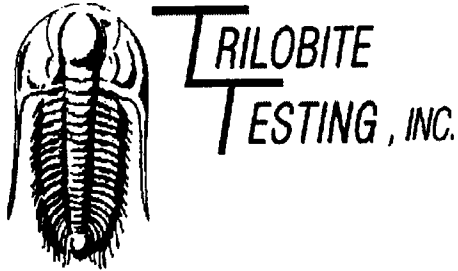
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

3 16S14W Barton KS

Dietz-Miller Unit #1

Start Date: 2006.08.11 @ 15:48:02

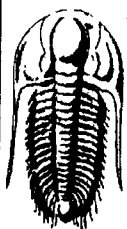
End Date: 2006.08.11 @ 22:58:17

Job Ticket #: 24001 DST #: 4

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: Kitt Noah

Dietz-Miller Unit #1

3 16S14W Barton KS

Job Ticket: 24001

DST#: 4

Test Start: 2006.08.11 @ 15:48:02

GENERAL INFORMATION:

Formation: **LKC-'H-J'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:49:02

Time Test Ended: 22:58:17

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3272.00 ft (KB) To 3314.00 ft (KB) (TVD)**

Total Depth: 3314.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1938.00 ft (KB)

1930.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 422.51 psig @ 3277.00 ft (KB)

Start Date: 2006.08.11

End Date:

2006.08.11

Capacity: 7000.00 psig

Last Calib.: 2006.08.11

Start Time: 15:48:04

End Time:

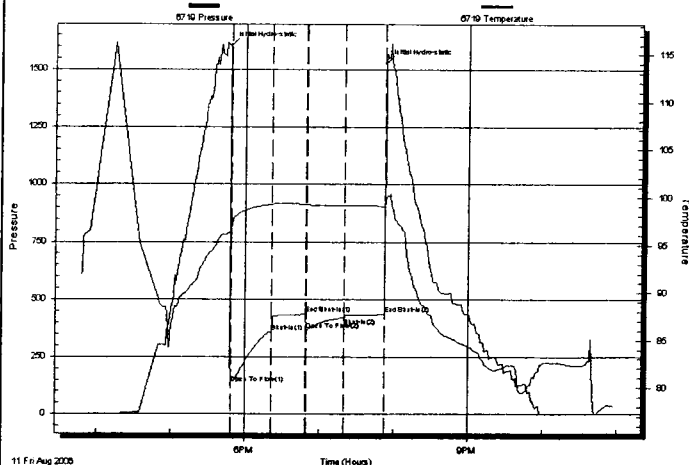
22:58:17

Time On Btm: 2006.08.11 @ 17:48:02

Time Off Btm:

TEST COMMENT: IFP Strong Blow BOB in 1 Min 15 Seconds
ISI Gas to Surface on Blow down BOB in 5 Min
FFP Gas to Weak To Gauge Will Burn
FSI Blow back BOB in 10 Min

Pressure vs. Time



PRESSURE SUMMARY

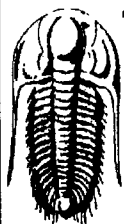
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.46	96.33	Initial Hydro-static
1	131.31	96.67	Open To Flow (1)
34	358.18	99.24	Shut-In (1)
61	436.02	99.27	End Shut-In (1)
62	364.72	99.25	Open To Flow (2)
93	422.51	99.14	Shut-In (2)
125	435.79	99.08	End Shut-In (2)
126	1527.41	99.42	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1125.00	GO 60%G 40%O	15.52

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

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 24001

DST#: 4

ATTN: Kitt Noah

Test Start: 2006.08.11 @ 15:48:02

Tool Information

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.80 inches	Volume: 45.28 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 64000.00 lb
		Total Volume:	45.42 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3272.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	63.00 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			3252.00	
Shut In Tool	5.00			3257.00	
Hydraulic tool	5.00			3262.00	
Packer	5.00			3267.00	21.00 Bottom Of Top Packer
Packer	5.00			3272.00	
Stubb	1.00			3273.00	
Perforations	3.00			3276.00	
Change Over Sub	1.00			3277.00	
Recorder	0.00	6719	Inside	3277.00	
Blank Spacing	31.00			3308.00	
Change Over Sub	1.00			3309.00	
Perforations	2.00			3311.00	
Recorder	0.00	13221	Outside	3311.00	
Bullnose	3.00			3314.00	42.00 Bottom Packers & Anchor
Total Tool Length:		63.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Dietz-Miller Unit #1

PO Box 33
Russell KS 67665

3 16S14W Barton KS

Job Ticket: 24001

DST#: 4

ATTN: Kitt Noah

Test Start: 2006.08.11 @ 15:48:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 14.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1125.00	GO 60%G 40%O	15.517

Total Length: 1125.00 ft

Total Volume: 15.517 bbl

Num Fluid Samples: 0

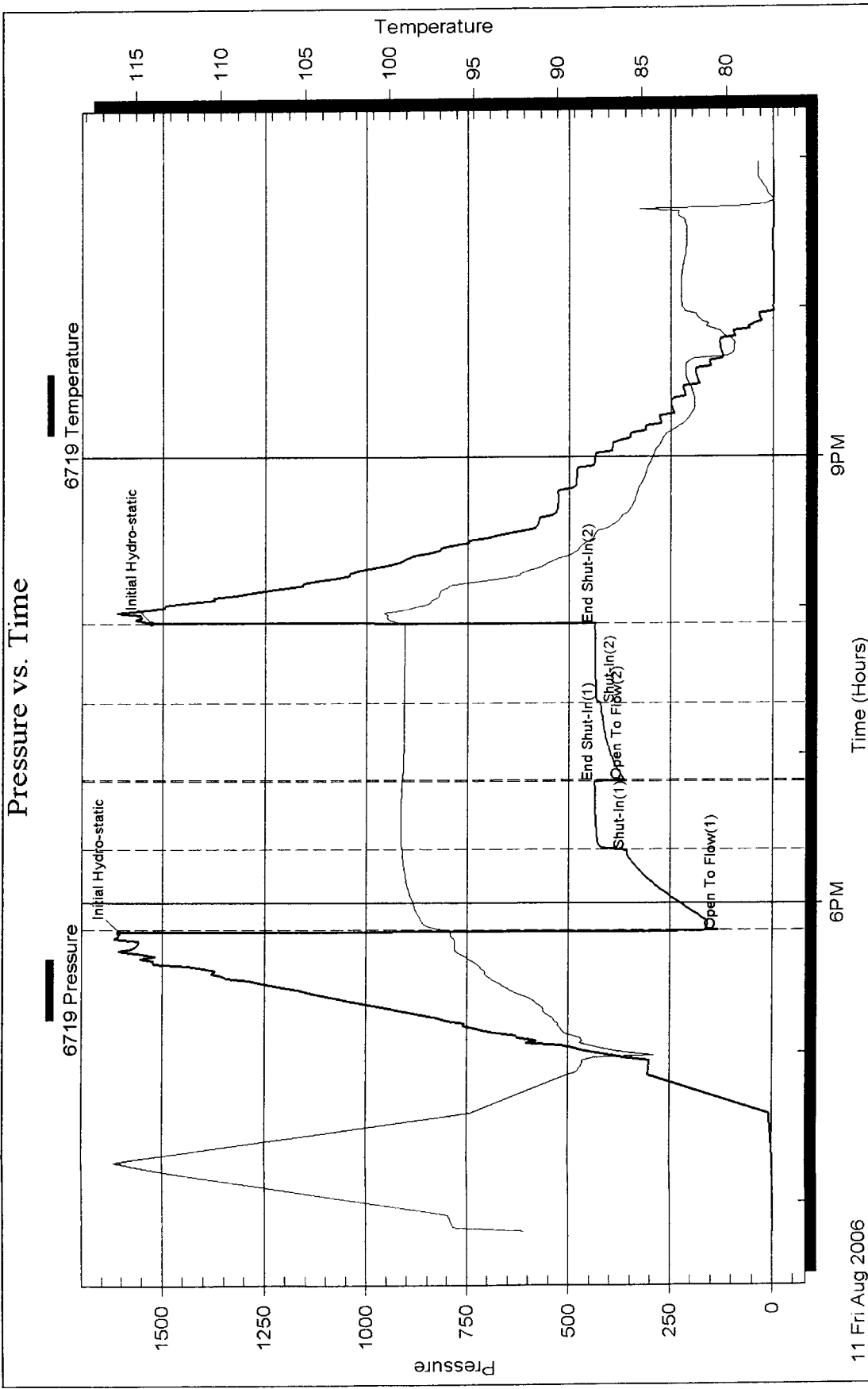
Num Gas Bombs: 0

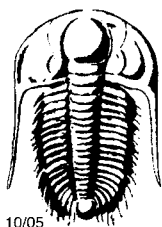
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23997

9104

Test Ticket

Well Name & No. Dietz - Miller Unit #1 Test No. 1 Date 8-8-06
 Company Mai O.I. Operations, Inc. Zone Tested Toronto
 Address PO Box 33, Russell, Ks. 67665 Elevation 1938 KB 1930 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 3 Twp. 16S Rge. 14W Co. Barton State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3063 - 3106 Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. _____
 Anchor Length 43' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3058 Tool Weight 2200
 Bottom Packer Depth 3063 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3106 Wt. Pipe Run 0 Drill Collar Run 29
 Mud Wt. 8.8 LCM Trace Vis. 45 WL 9.2 Drill Pipe Size 4 1/2 XH Ft. Run 3042
 Blow Description IFP - Weak Surface Blow, Died in 11 min.

ISI - Dead
FFP - Dead Flush Tool after 10 min, still Dead, pull tool after 10 min.
FSI - Pulled Tool

Recovery - Total Feet 20 GIP _____ Ft. in DC 20 Ft. in DP _____
 Rec. 20 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 98° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,400 ppm System

	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1494</u>		<u>6719</u>	<u>1000</u>
(B) First Initial Flow Pressure		<u>14</u>		<u>3066</u>	Jars _____
(C) First Final Flow Pressure		<u>16</u>		<u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>510</u>		<u>3103</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>17</u>			Sampler _____
(F) Second Final Flow Pressure		<u>33</u>			Straddle _____
(G) Final Shut-In Pressure		<u>—</u>			Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1507</u>			Shale Packer _____

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Approved By _____

Our Representative _____

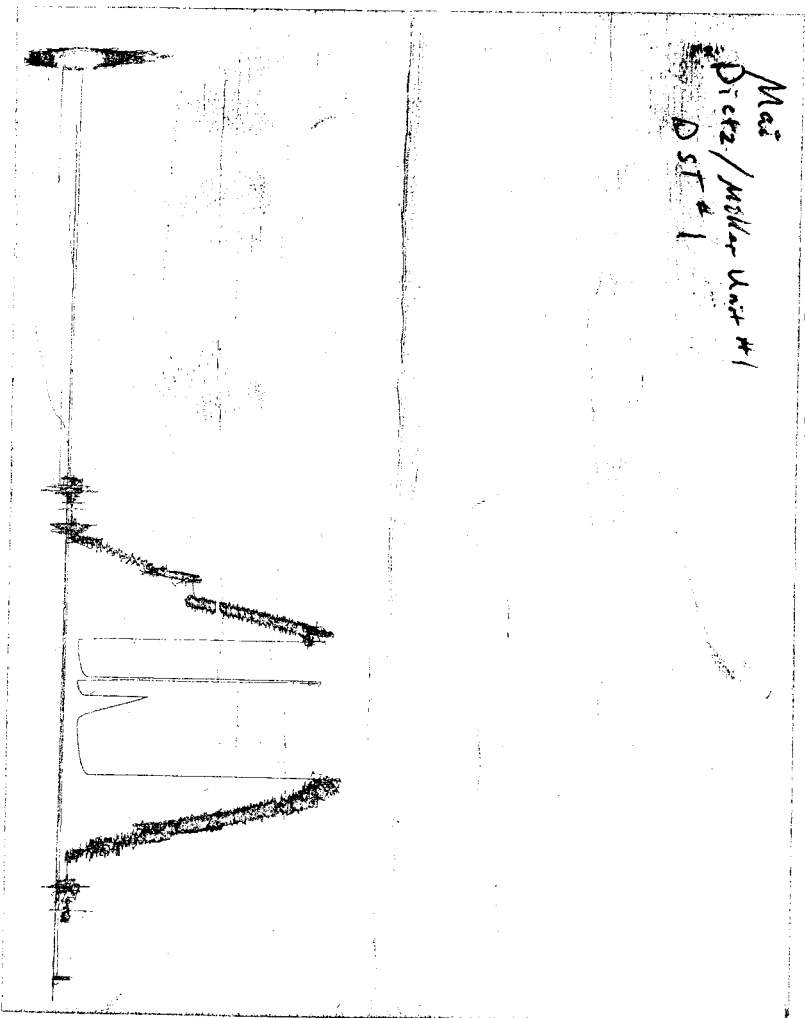
J. Mc Lemore *Thank You*

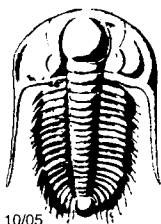
Initial Opening 30
 Initial Shut-In 30
 Final Flow _____
 Final Shut-In _____
 T-On Location 18:15
 T-Started 19:14
 T-Open 20:53
 T-Pulled 22:23
 T-Out 00:41

Ruined Packer _____
 Mileage 72 90
 Sub Total: 7090
 Std. By _____
 Acc. Chg: _____
 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

No 23998

Test Ticket

Well Name & No. <u>Dietz - Miller Unit #1</u>	Test No. <u>2</u>	Date <u>8-10-06</u>
Company <u>Mai Oil Operations, Inc.</u>	Zone Tested <u>LKC-B+C</u>	
Address <u>PO Box 33, Russell, Ks. 67665</u>	Elevation <u>1938</u>	KB <u>1930</u> GL
Co. Rep / Geo. <u>Kitt Noah</u>	Rig <u>Southwind #3</u>	
Location: Sec. <u>3</u>	Twp. <u>16S</u>	Rge. <u>14W</u> Co. <u>Barton</u> State <u>Ks</u>
Comment: _____ Release date / time: _____		

Interval Tested <u>3147 - 3190</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length <u>43'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>64,000</u>
Top Packer Depth <u>3142</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3147</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3190</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>29</u>
Mud Wt. <u>9.0</u> LCM <u>Trace</u> Vis. <u>58</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3105</u>

Blow Description IFP - Good Blow, BOB in 5 min.
ISI - Dead For 20 min, Surface Blowback
FFP - Good Blow, BOB in 6 min.
FSI - Blowback Built to BOB in 25 min.

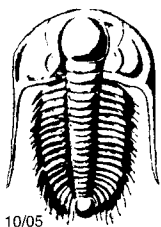
Recovery - Total Feet <u>690</u>	GIP <u>570</u>	Ft. in DC <u>29</u>	Ft. in DP <u>661</u>
Rec. <u>600</u>	Feet of <u>HGDCM</u>	35 %gas	30 %oil 30 %water 5 %mud
Rec. <u>90</u>	Feet of <u>Muddy Water</u>	%gas	%oil 95 %water 5 %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
BHT <u>98'</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity <u>35 est.</u> °API
RW <u>.279</u> @ <u>99'</u> °F	Chlorides <u>17,500</u> ppm	Recovery _____	Chlorides <u>6200</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1555</u> PSI	Alpine	Recorder No. <u>6719</u>	(Test) <u>1000</u>
(B) First Initial Flow Pressure	<u>37</u> PSI		(depth) <u>3151</u>	Jars _____
(C) First Final Flow Pressure	<u>175</u> PSI		Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>476</u> PSI		(depth) <u>3177</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>201</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>291</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>467</u> PSI	Initial Opening	<u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1451</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>72 rt 90</u>
		T-On Location	<u>00:03</u>	Sub Total: <u>1090</u>
		T-Started	<u>1:56</u>	Std. By <u>4hr</u> <u>200</u>
		T-Open	<u>6:40</u>	Acc. Chg: _____
		T-Pulled	<u>9:40</u>	Other: _____
		T-Out	<u>12:09</u>	Total: <u>81290</u>

Approved By _____

Our Representative G. Mc Lamon Thank you

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23999

Test Ticket

Well Name & No. Dietz - Miller Unit #1 Test No. 3 Date 8-10-06
 Company Mai Oil Operations, Inc. Zone Tested LKC "F-G"
 Address PO Box 33, Russell, Ks. 67665 Elevation 1938 KB 1930 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 3 Twp. 16s Rge. 14w Co. Barton State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3200 - 3245 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 45' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3195 Tool Weight 1200
 Bottom Packer Depth 3200 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3245 Wt. Pipe Run 0 Drill Collar Run 29
 Mud Wt. 9.1 LCM Trace Vis. 55 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3165
 Blow Description IFP - Fair Blow, BOB in 19 min.

ISI - Dead
FFP - Fair Blow, BOB in 29 min.
FSI - Dead

Recovery - Total Feet 240 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 30 Feet of Clean Oil %gas _____ %oil _____ %water _____ %mud _____
 Rec. 210 Feet of Muddy water %gas _____ %oil 98 %water 2 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 97 °F Gravity 35 °API D @ 65 °F Corrected Gravity 35 °API
 RW .220 @ 65 °F Chlorides 32,000 ppm Recovery _____ Chlorides 6200 ppm System

	AK-1	Alpine	Recorder No.	(Test)
(A) Initial Hydrostatic Mud	<u>1584</u>	PSI	<u>6719</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>23</u>	PSI	(depth) <u>3205</u>	Jars _____
(C) First Final Flow Pressure	<u>83</u>	PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>623</u>	PSI	(depth) <u>3242</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>87</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>127</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>527</u>	PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1488</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____

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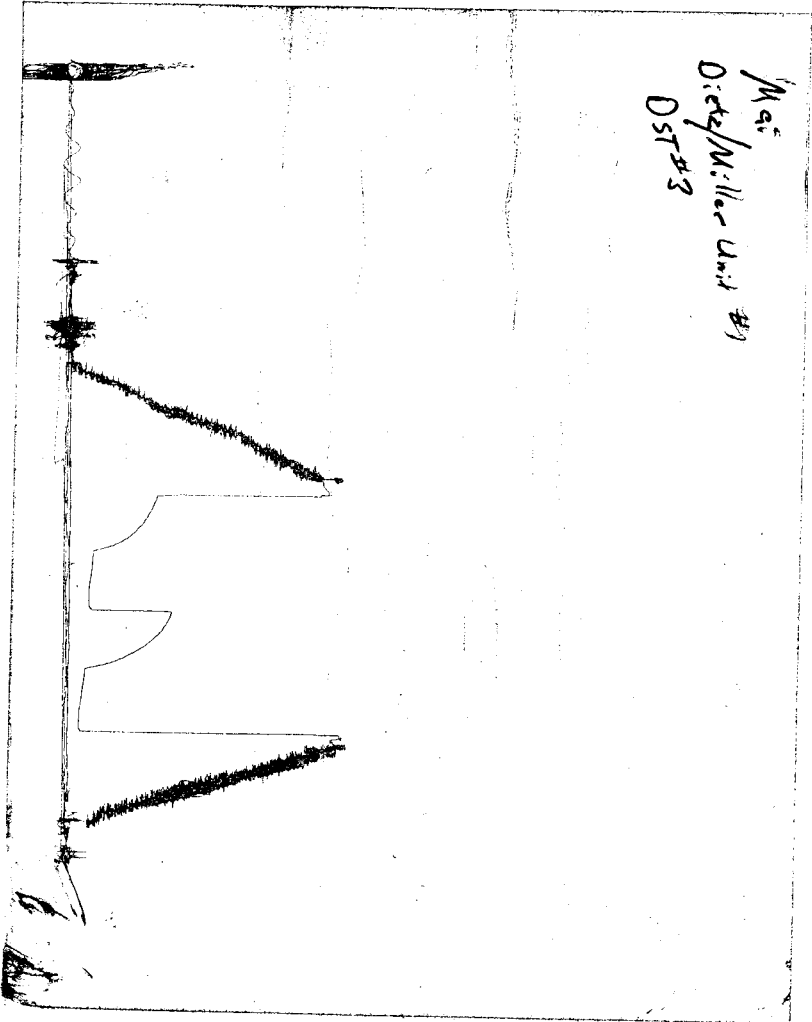
Approved By _____
 Our Representative J. Mc Lane

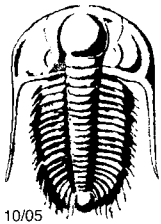
Final Flow 45
 Final Shut-In 45
 T-On Location 22:00
 T-Started 22:20
 T-Open 00:28
 T-Pulled 3:28
 T-Out 6:30
 Mileage 72 mi 90
 Sub Total: 1090
 Std. By 1/2 25
 Acc. Chg: _____
 Other: _____
 Total: 81115

CHART PAGE

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

Mat
Dietz/Miller Unit #1
DST #3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 24001

Test Ticket

Well Name & No. <u>Dictz-Miller Unit #1</u>	Test No. <u>4</u>	Date <u>8-11-06</u>
Company <u>Mai Oil Operations, Inc.</u>	Zone Tested <u>LKC "H-J"</u>	
Address <u>PO Box 33, Russell, Ks. 67665</u>	Elevation <u>1938</u>	KB <u>1930</u> GL
Co. Rep / Geo. <u>Kitt Noah</u>	Rig <u>Southwind #3</u>	
Location: Sec. <u>3</u> Twp. <u>16s</u> Rge. <u>14w</u>	Co. <u>Barton</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3272-3314</u>	Initial Str Wt./Lbs. <u>58,000</u>	Unseated Str Wt./Lbs. <u>62,000</u>
Anchor Length <u>42'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>64,000</u>
Top Packer Depth <u>3267</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3272</u>	Hole Size 7 7/8" ☒	Rubber Size 6 3/4" ☒
Total Depth <u>3314</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>29</u>
Mud Wt. <u>9.1</u> LCM <u>-O-</u> Vis. <u>54</u> WL <u>14.6</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3228</u>
Blow Description <u>IFP- Strong, BOB in 1 min 15 seconds</u>		
<u>ISI- Blowback BOB in 5 min. Gas To surface, To vent to gauge, will burn</u>		
<u>FFP- BOB upon open.</u>		
<u>FSI- Blowback BOB in 10 min.</u>		

Recovery - Total Feet <u>1125</u>	GIP	Ft. in DC <u>29</u>	Ft. in DP <u>1096</u>
Rec. <u>1125</u>	Feet of <u>Gassy Oil</u>	<u>60</u> %gas <u>40</u> %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 <u>99°</u>	°F Gravity <u>43</u>	°API D @ <u>85</u>	°F Corrected Gravity <u>41</u> °API
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>11,000</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1 <u>1606</u> PSI	Alpine	Recorder No. <u>6719</u>	Test <u>1000</u>
(B) First Initial Flow Pressure	<u>131</u> PSI		(depth) <u>3277</u>	Jars _____
(C) First Final Flow Pressure	<u>358</u> PSI		Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>436</u> PSI		(depth) <u>3311</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>365</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>423</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>436</u> PSI	Initial Opening <u>30</u>	Initial Shut-In <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1579</u> PSI	Final Flow <u>30</u>	Final Shut-In <u>30</u>	Shale Packer _____
		T-On Location <u>15:15</u>		Ruined Packer _____
		T-Started <u>15:48</u>		Mileage <u>90</u>
		T-Open <u>17:49</u>		Sub Total: <u>1090</u>
		T-Pulled <u>19:49</u>		Std. By _____
		T-Out <u>22:48</u>		Acc. Chg: _____
				Other: _____
				Total: _____

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Approved By _____

Our Representative J. Mc Lemon

Thank you

CHART PAGE

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

Mai
Dietz - Miller Unit #1
DST #4

