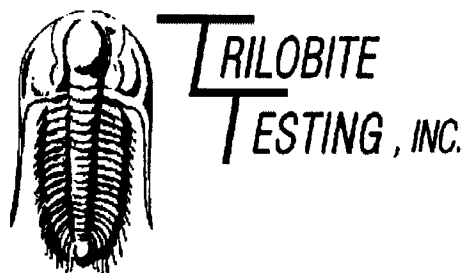


15-163-23408

21-95-19w



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

21-9-19-Rooks-Ks

Mongeau #1

Start Date: 2004.07.11 @ 01:45:57

End Date: 2004.07.11 @ 08:55:57

Job Ticket #: 19459 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

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19459

DST#: 1

ATTN: Allen Bangert

Test Start: 2004.07.11 @ 01:45:57

GENERAL INFORMATION:

Formation: **A-F LKC**

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

Time Tool Opened: 03:38:57

Time Test Ended: 08:55:57

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **3331.00 ft (KB) To 3420.00 ft (KB) (TVD)**

Reference Elevations: **2138.00 ft (KB)**

Total Depth: **3420.00 ft (KB) (TVD)**

2133.00 ft (CF)

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

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

Serial #: 6769

Inside

Press@RunDepth: **409.55 psig @ 3337.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.07.11**

End Date:

2004.07.11

Last Calib.: **2004.07.11**

Start Time: **01:45:58**

End Time:

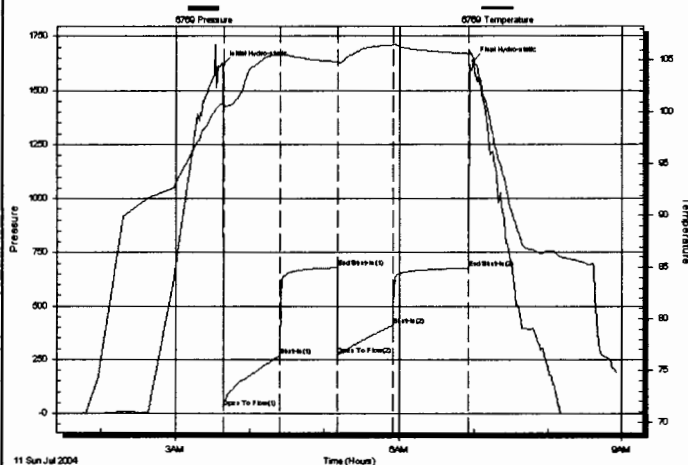
08:55:57

Time On Btm: **2004.07.11 @ 03:37:57**

Time Off Btm: **2004.07.11 @ 06:58:57**

TEST COMMENT: F-Strong B-B in 8 min
FF-Strong-B-B in 12 min
Times-45-45-45-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.54	100.84	Initial Hydro-static
1	27.27	100.49	Open To Flow (1)
47	269.50	105.53	Shut-In(1)
93	679.64	104.86	End Shut-In(1)
93	273.71	104.69	Open To Flow (2)
137	409.55	106.48	Shut-In(2)
198	677.46	105.63	End Shut-In(2)
201	1635.05	105.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
930.00	Mdy Wtr	11.36

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19459

DST#: 1

ATTN: Allen Bangert

Test Start: 2004.07.11 @ 01:45:57

Tool Information

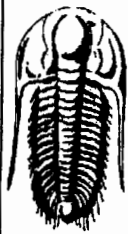
Drill Pipe:	Length: 3138.00 ft	Diameter: 3.80 inches	Volume: 44.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume:	44.93 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3331.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	110.00 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			3311.00	
Shut In Tool	5.00			3316.00	
Hydraulic tool	5.00			3321.00	
Packer	5.00			3326.00	21.00 Bottom Of Top Packer
Packer	5.00			3331.00	
Stubb	1.00			3332.00	
Perforations	4.00			3336.00	
Change Over Sub	1.00			3337.00	
Recorder	0.00	6769	Inside	3337.00	
Drill Pipe	64.00			3401.00	
Change Over Sub	1.00			3402.00	
Recorder	0.00	13254	Outside	3402.00	
Perforations	15.00			3417.00	
Bullnose	3.00			3420.00	89.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19459

DST#: 1

ATTN: Allen Bangert

Test Start: 2004.07.11 @ 01:45:57

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:

60000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
930.00	Mdy Wtr	11.360

Total Length: 930.00 ft Total Volume: 11.360 bbl

Num Fluid Samples: 0

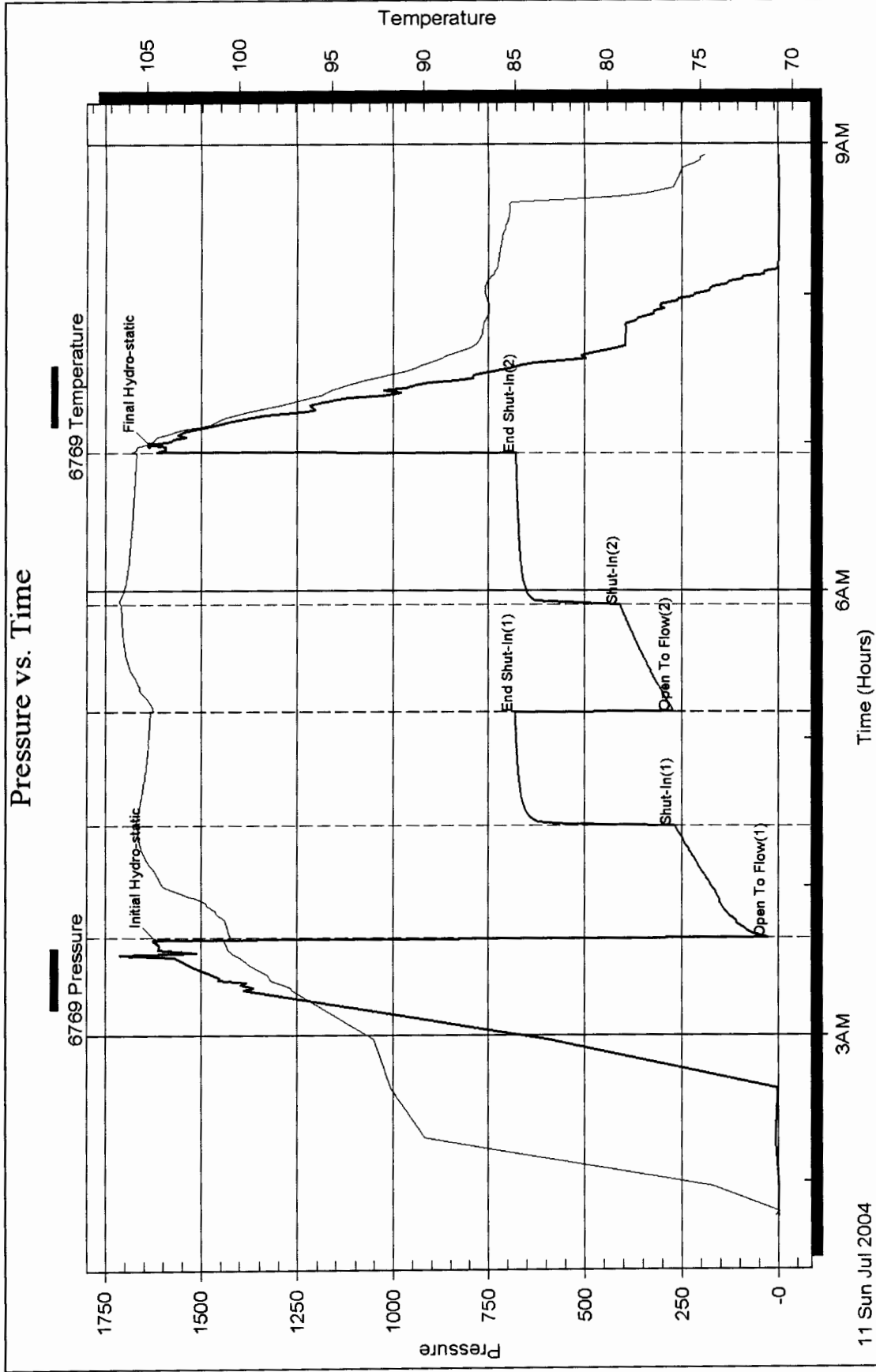
Num Gas Bombs: 0

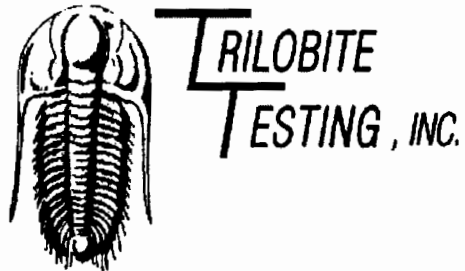
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .12 @ 80 = 60000ppm





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

21-9-19-Rooks-Ks

Mongeau #1

Start Date: 2004.07.11 @ 19:10:04

End Date: 2004.07.12 @ 01:28:04

Job Ticket #: 19460 DST #: 2

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19460

DST#: 2

ATTN: Allen Bangert

Test Start: 2004.07.11 @ 19:10:04

GENERAL INFORMATION:

Formation: **HH-J- LK**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 20:57:34
 Time Test Ended: 01:28:04

Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **21**

Interval: **3450.00 ft (KB) To 3520.00 ft (KB) (TVD)**
 Total Depth: **3520.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2138.00 ft (KB)**
2133.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6799

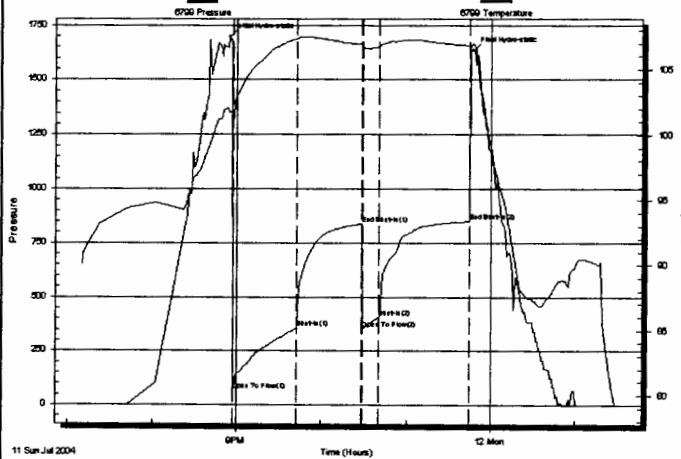
Inside

Press@RunDepth: **406.74 psig @ 3456.00 ft (KB)**
 Start Date: **2004.07.11** End Date: **2004.07.12**
 Start Time: **19:10:05** End Time: **01:28:04**

Capacity: **7000.00 psig**
 Last Calib.: **2004.07.12**
 Time On Btm: **2004.07.11 @ 20:55:04**
 Time Off Btm: **2004.07.11 @ 23:47:04**

TEST COMMENT: **IF-Strong B-B in 3 min**
FF-Strong B-B in 8 min
Times-45-45-15-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.41	101.77	Initial Hydro-static
3	66.50	101.16	Open To Flow (1)
48	355.90	107.32	Shut-In (1)
93	837.01	106.94	End Shut-In (1)
94	350.69	106.69	Open To Flow (2)
106	406.74	106.78	Shut-In (2)
169	849.67	106.84	End Shut-In (2)
172	1635.69	106.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
868.00	Mdy Wtr	11.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19460

DST#: 2

ATTN: Allen Bangert

Test Start: 2004.07.11 @ 19:10:04

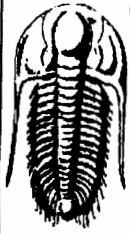
Tool Information

Drill Pipe:	Length: 3309.00 ft	Diameter: 3.80 inches	Volume: 46.42 bbl	Tool Weight: 2300.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 47.03 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3450.00 ft			Final 68000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3430.00	
Shut In Tool	5.00			3435.00	
Hydraulic tool	5.00			3440.00	
Packer	5.00			3445.00	21.00 Bottom Of Top Packer
Packer	5.00			3450.00	
Stubb	1.00			3451.00	
Perforations	4.00			3455.00	
Change Over Sub	1.00			3456.00	
Recorder	0.00	6799	Inside	3456.00	
Drill Pipe	31.00			3487.00	
Change Over Sub	1.00			3488.00	
Recorder	0.00	13254	Outside	3488.00	
Perforations	29.00			3517.00	
Bullnose	3.00			3520.00	70.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19460

DST#: 2

ATTN: Allen Bangert

Test Start: 2004.07.11 @ 19:10:04

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:

68000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 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
868.00	Mdy Wtr	11.046

Total Length: 868.00 ft Total Volume: 11.046 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .14 @ 84 = 68000ppm

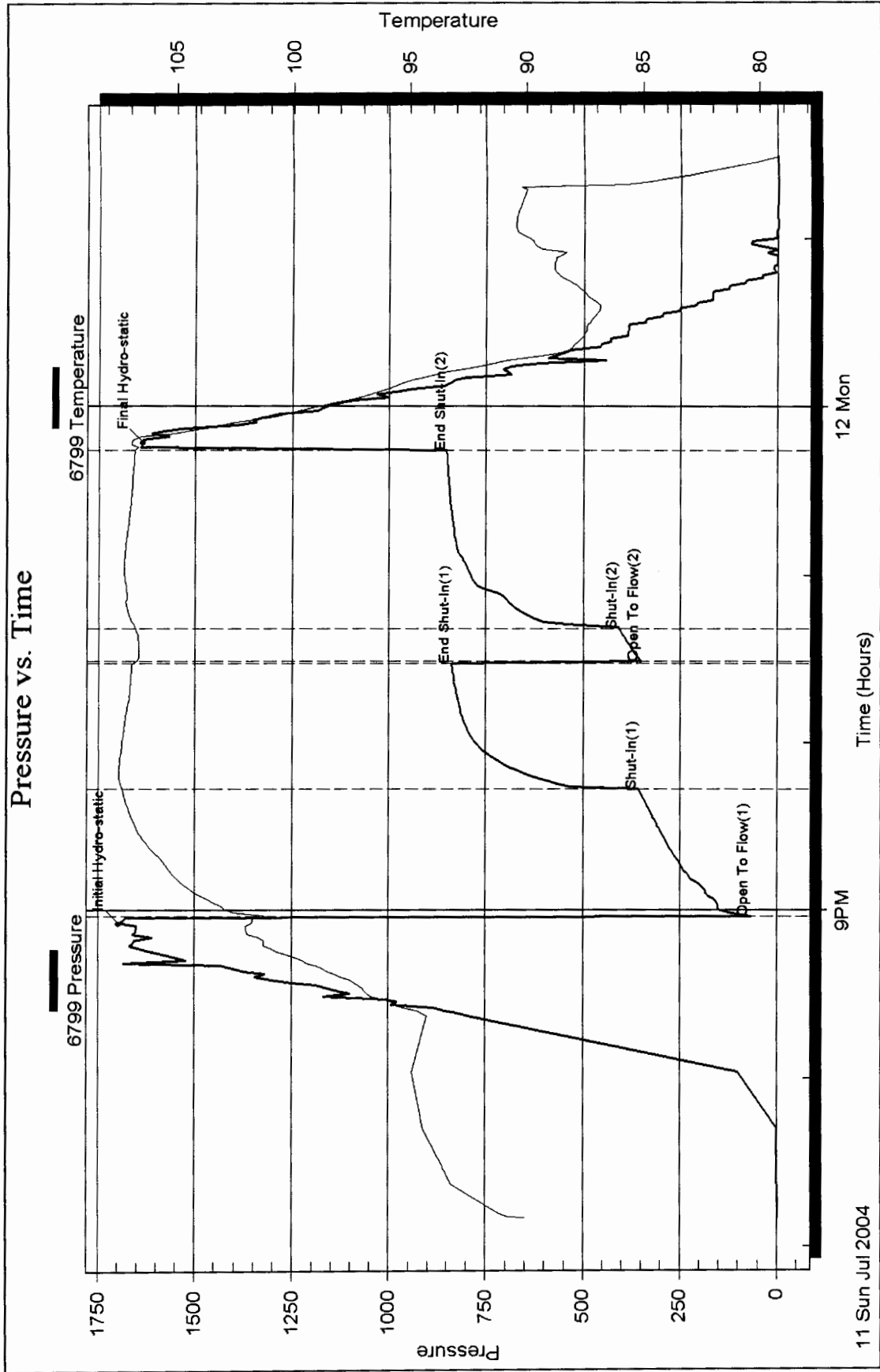
Serial #: 6799

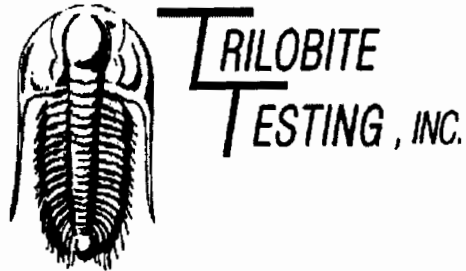
Inside

Mai Oil Operations Inc

21-9-19-Rooks-Ks

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

21-9-19-Rooks-Ks

Mongeau #1

Start Date: 2004.07.12 @ 13:40:10

End Date: 2004.07.12 @ 18:59:10

Job Ticket #: 19461 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

ATTN: Allen Bangert

Job Ticket: 19461

DST#: 3

Test Start: 2004.07.12 @ 13:40:10

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:25:40

Time Test Ended: 18:59:10

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3544.00 ft (KB) To 3589.00 ft (KB) (TVD)**

Reference Elevations: 2138.00 ft (KB)

Total Depth: 3589.00 ft (KB) (TVD)

2133.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: 19.85 psig @ 3549.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.07.12

End Date: 2004.07.12

Last Calib.: 2004.07.12

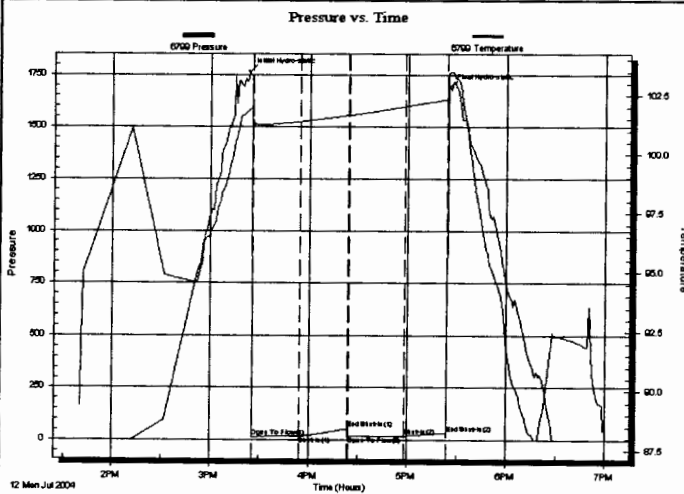
Start Time: 13:40:11

End Time: 18:59:10

Time On Btm: 2004.07.12 @ 15:23:10

Time Off Btm: 2004.07.12 @ 17:24:40

TEST COMMENT: F-Weak died in 10 min
FF-No blow
Times-30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.55	101.86	Initial Hydro-static
3	15.04	101.06	Open To Flow (1)
32	17.26	101.40	Shut-in(1)
61	53.63	101.67	End Shut-in(1)
61	18.62	101.66	Open To Flow (2)
95	19.85	102.05	Shut-in(2)
121	34.54	102.33	End Shut-in(2)
122	1686.85	103.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil specked 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

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19461

DST#: 3

ATTN: Allen Bangert

Test Start: 2004.07.12 @ 13:40:10

Tool Information

Drill Pipe:	Length: 3401.00 ft	Diameter: 3.80 inches	Volume: 47.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume:	48.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3544.00 ft			Final 64000.00 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			3524.00	
Shut In Tool	5.00			3529.00	
Hydraulic tool	5.00			3534.00	
Packer	5.00			3539.00	21.00 Bottom Of Top Packer
Packer	5.00			3544.00	
Stubb	1.00			3545.00	
Perforations	4.00			3549.00	
Recorder	0.00	6799	Inside	3549.00	
Perforations	37.00			3586.00	
Recorder	0.00	13254	Outside	3586.00	
Bullnose	3.00			3589.00	45.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19461

DST#: 3

ATTN: Allen Bangert

Test Start: 2004.07.12 @ 13:40:10

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:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	Oil specked mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

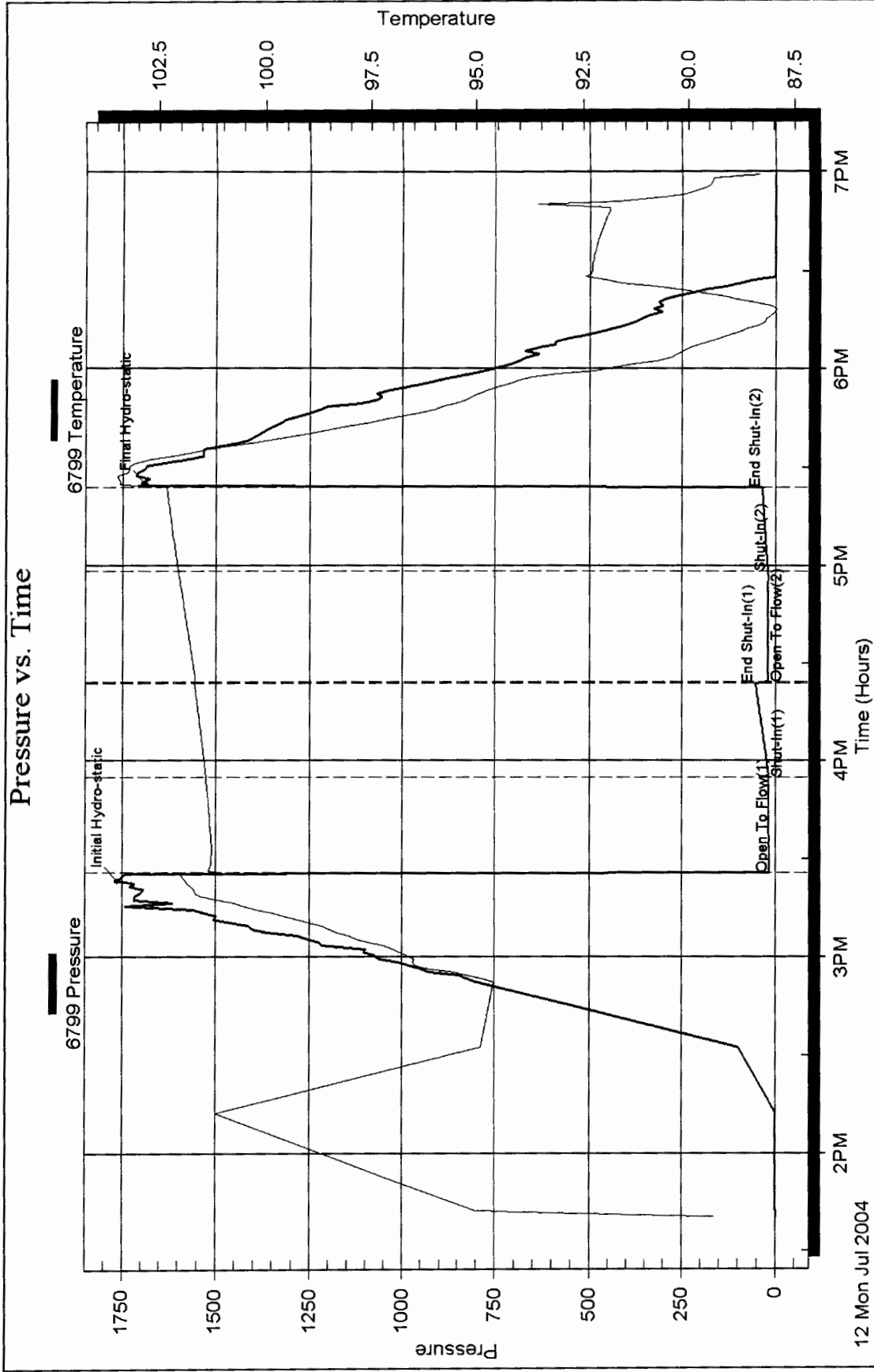
Num Gas Bombs: 0

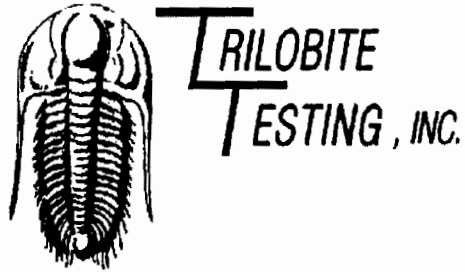
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

P O Box 33
Russell Ks 67665

ATTN: Allen Bangert

21-9-19-Rooks-Ks

Mongeau #1

Start Date: 2004.07.13 @ 02:25:47

End Date: 2004.07.13 @ 08:43:47

Job Ticket #: 19462 DST #: 4

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19462

DST#: 4

ATTN: Allen Bangert

Test Start: 2004.07.13 @ 02:25:47

Tool Information

Drill Pipe:	Length: 3465.00 ft	Diameter: 3.80 inches	Volume: 48.60 bbl	Tool Weight: 1800.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	49.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3591.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			3571.00	
Shut In Tool	5.00			3576.00	
Hydraulic tool	5.00			3581.00	
Packer	5.00			3586.00	21.00 Bottom Of Top Packer
Packer	5.00			3591.00	
Stubb	1.00			3592.00	
Recorder	0.00	6799	Inside	3592.00	
Perforations	15.00			3607.00	
Recorder	0.00	13254	Outside	3607.00	
Bullnose	3.00			3610.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Mongeau #1

P O Box 33
Russell Ks 67665

21-9-19-Rooks-Ks

Job Ticket: 19462

DST#: 4

ATTN: Allen Bangert

Test Start: 2004.07.13 @ 02:25:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	C O	0.197
20.00	HMCO 60%o 40%m	0.098

Total Length: 60.00 ft

Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

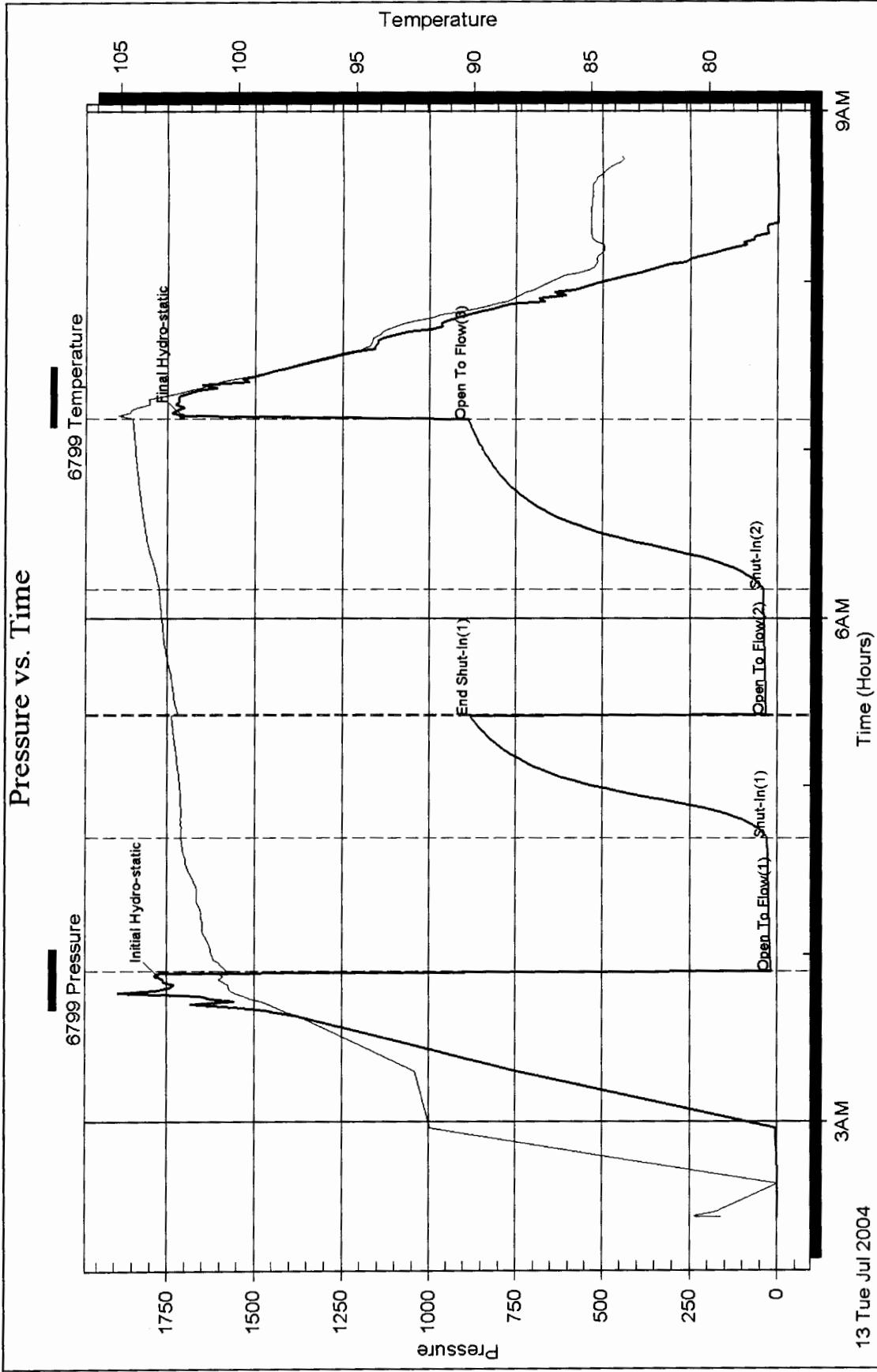
Serial #: 6799

Inside

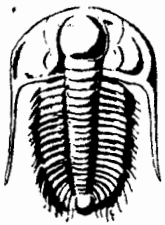
Mai Oil Operations Inc

21-9-19-Rooks-Ks

DST Test Number: 4



13 Tue Jul 2004



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
0590

No 19459

05/03

Test Ticket

Well Name & No. <u>Mangeau #1</u>	Test No. <u>1</u>	Date <u>7-11-04</u>
Company <u>Mai Oil Operations, Inc</u>	Zone Tested <u>A-F</u>	<u>LKC</u>
Address <u>P.O. Box 33, Russell, Ks. 67665</u>	Elevation <u>2138</u>	KB <u>2133</u> GL
Co. Rep / Geo. <u>Todd Morgenstern</u>	Cont. <u>Murfin #16</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>21</u> Twp. <u>9</u> Rge. <u>19</u> Co. <u>Rooks</u> State <u>Ks</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3331 — 3420</u>	Initial Str Wt./Lbs <u>64,000</u>	Unseated Str Wt/Lbs <u>70,000</u>
Anchor Length <u>89</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>75,000</u>
Top Packer Depth <u>3326</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3331</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3420</u>	Wt. Pipe Run _____	Drill Collar Run <u>185</u>
Mud Wt. <u>8.8</u> LCM <u>Y4#</u> Vis. <u>42</u> WL <u>8.8</u>	Drill Pipe Size <u>4.5 X H</u>	Ft. Run <u>3138</u>
Blow Description <u>I.F. Strong B-B in 8 min.</u>		

E.F. Strong - B-B in 12 min.

Recovery - Total Feet <u>930</u>	GIP _____	Ft. in DC <u>185</u>	Ft. in DP <u>745</u>
Rec. <u>930</u> Feet of <u>mdy wtr w/few</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet of <u>oil specks</u>	%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>106</u> °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW <u>.12</u> @ <u>80</u> °F	Chlorides <u>60,000</u> ppm Recovery _____	Chlorides <u>2500</u> ppm System	

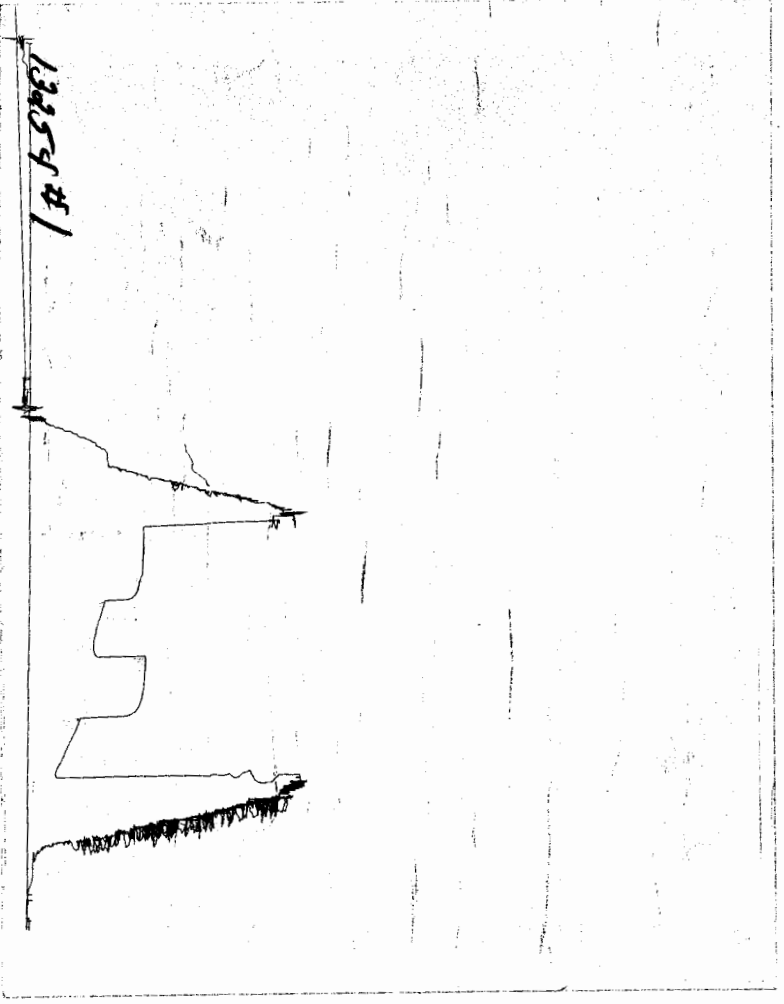
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1682</u>	<u>1618</u>	<u>6269</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>165</u>	<u>27</u>	(depth) <u>3336</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>308</u>	<u>269</u>	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure	<u>709</u>	<u>679</u>	(depth) <u>3401</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>391</u>	<u>273</u>	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>473</u>	<u>409</u>	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>698</u>	<u>677</u>	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1612</u>	<u>1635</u>	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>72</u> <u>RT6L2</u>
			T-On Location <u>01:00</u>	Sub Total: <u>961.20</u>
			T-Started <u>01:45</u>	Std. By _____
			T-Open <u>02:40</u>	Other _____
			T-Pulled <u>06:55</u>	Total: _____
			T-Out <u>08:55</u>	

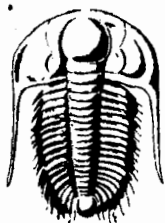
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____

Our Representative Dan Bangle

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19460

05/03

Test Ticket

Well Name & No. Mongean #1 Test No. 2 Date 7-11-04
 Company Mai Oil Operations, Inc Zone Tested H-I-J-LKC
 Address _____ Elevation 2138 KB 2133 GL _____
 Co. Rep / Geo. Todd Morgenstern Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 9 Rge. 19 Co. Rocks State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3450 — 3520 Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 68,000
 Anchor Length 70 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 3445 Tool Weight 2300
 Bottom Packer Depth 3450 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3520 Wt. Pipe Run _____ Drill Collar Run 124
 Mud Wt. 9.1 LCM _____ Vis. 52 WL 7.2 Drill Pipe Size 4.5XH Ft. Run 3309
 Blow Description I.F. Strong - B-B in 3 min.

F.F. Strong B-B in 8 min.

Recovery - Total Feet 868 GIP _____ Ft. in DC 124 Ft. in DP 744
 Rec. 868 Feet of Medy WTR. %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 106 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .14 @ 84 °F Chlorides 68,000 ppm Recovery _____ Chlorides 2,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1696</u> PSI	<u>6799</u>	<u>900</u>
(B) First Initial Flow Pressure		<u>66</u> PSI	(depth) <u>3455</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>355</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>837</u> PSI	(depth) <u>3487</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>350</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>406</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>849</u> PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1635</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>15</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>72</u> <u>61.20</u>
			T-On Location <u>18:50</u>	Sub Total: <u>961.20</u>
			T-Started <u>19:10</u>	Std. By _____
			T-Open <u>20:55</u>	Other _____
			T-Pulled <u>23:40</u>	Total: _____
			T-Out <u>01:28</u>	

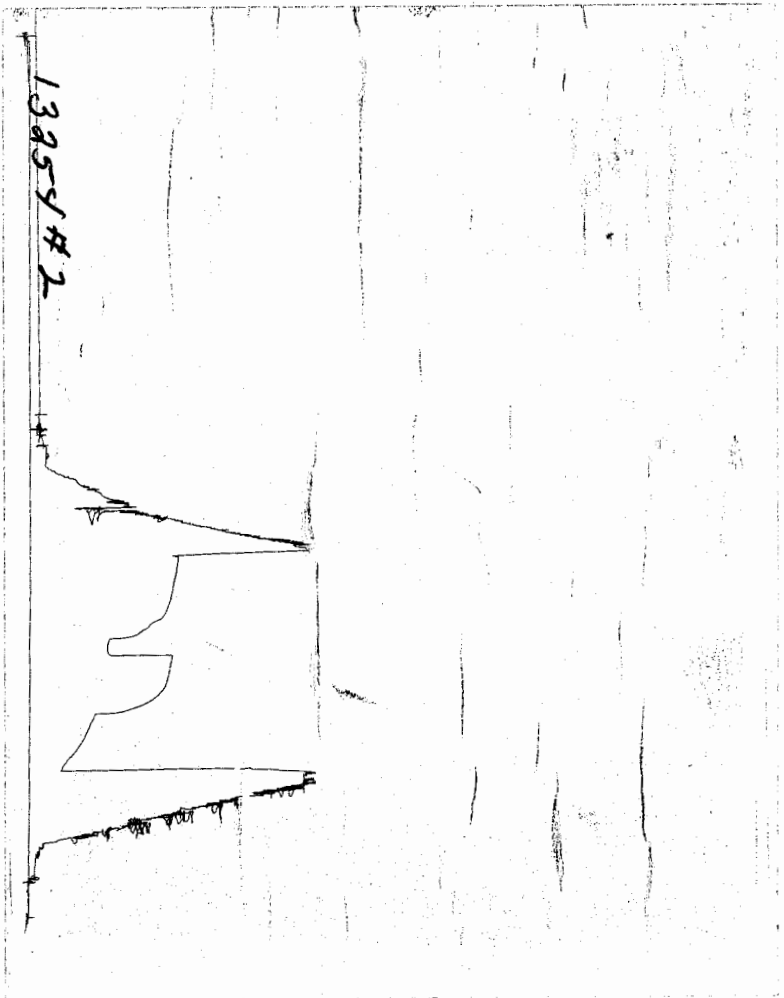
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

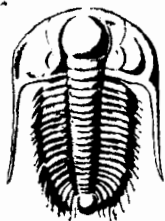
Approved By _____

Our Representative Dan Kangle

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19461

05/03

Test Ticket

Well Name & No. Mongeau #1 Test No. 3 Date 7-12-04
 Company Mai Oil Operations, Inc Zone Tested Arbuckle
 Address _____ Elevation 2138 KB 2133 GL _____
 Co. Rep / Geo. Todd Mergenstein Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 9 Rge. 19 Co. Rock State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3544 — 3589 Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 45 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 68,000
 Top Packer Depth _____ 3539 Tool Weight 2500
 Bottom Packer Depth _____ 3544 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 3589 Wt. Pipe Run _____ Drill Collar Run 124
 Mud Wt. 9.2 LCM _____ Vis. 50 WL 8 Drill Pipe Size 4.5 XH Ft. Run 3403
 Blow Description I.F. Weak - Died in 10 min.

F.F. No blow

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
 Rec. 5 Feet of oil specked 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 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1762</u> PSI	<u>6799</u>	
(B) First Initial Flow Pressure		<u>15</u> PSI	(depth) <u>3549</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>17</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>53</u> PSI	(depth) <u>3586</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>18</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>19</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>34</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1686</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>72</u>

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.

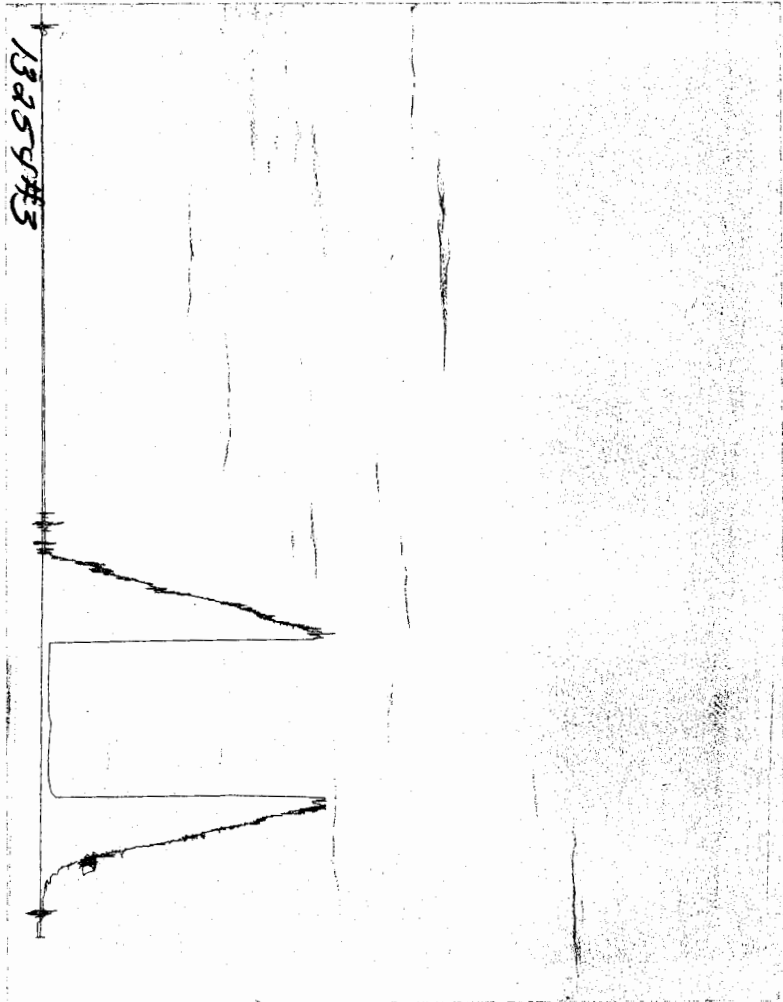
T-On Location 13:30 Sub Total: _____
 T-Started 13:40 Std. By abl. 20
 T-Open 15:30 Other _____
 T-Pulled 17:30 Total: _____
 T-Out 18:59

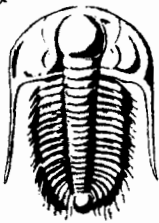
Approved By _____

Our Representative Dan Rangle

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19462

05/03

Test Ticket

Well Name & No. Mongeau #1 Test No. 4 Date 2-13-04
 Company Mai Oil Operations Zone Tested Arbuckle
 Address _____ Elevation 2138 KB 2133 GL _____
 Co. Rep / Geo. Todd Morgenstern Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 9 Rge. 19 Co. Rooks State K5
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3591 — 3610 Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 19 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 29,000
 Top Packer Depth 3586 Tool Weight 1800
 Bottom Packer Depth 3591 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3610 Wt. Pipe Run _____ Drill Collar Run 124
 Mud Wt. 9.2 LCM _____ Vis. 50 WL 8 Drill Pipe Size 4.5 x H Ft. Run 3465
 Blow Description I.F. weak - building to 1/2"

I.F. weak steady surface blow

Recovery - Total Feet 60 GIP _____ Ft. in DC 60 Ft. in DP _____
 Rec. 40 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 20 Feet of HMC0 %gas 60 %oil _____ %water 40 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity 28 °API _____
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8,000 ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1778</u> PSI	<u>6799</u>	
(B) First Initial Flow Pressure		<u>16</u> PSI	(depth) <u>3592</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>28</u> PSI	Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure		<u>880</u> PSI	(depth) <u>3607</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>31</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>39</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>886</u> PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1708</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>72</u>
			T-On Location <u>02:05</u>	Sub Total: <u>961.70</u>
			T-Started <u>02:25</u>	Std. By _____
			T-Open <u>03:55</u>	Other _____
			T-Pulled <u>07:10</u>	Total: _____
			T-Out <u>08:43</u>	

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Approved By _____
 Our Representative Dan Rangle