

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 16 13 Barton KS

Holland #1

Start Date: 2007.05.20 @ 09:39:26

End Date: 2007.05.20 @ 15:49:11

Job Ticket #: 28628 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

Holland #1

21 16 13 Barton KS

Job Ticket: 28628

DST#: 1

Test Start: 2007.05.20 @ 09:39:26

GENERAL INFORMATION:

Formation: **LKC-"A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:37:11

Time Test Ended: 15:49:11

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3177.00 ft (KB) To 3230.00 ft (KB) (TVD)**

Total Depth: 3230.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1959.00 ft (KB)

1951.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719 Inside

Press@RunDepth: 98.34 psig @ 3180.00 ft (KB)

Start Date: 2007.05.20

End Date:

2007.05.20

Start Time: 09:39:28

End Time:

15:49:11

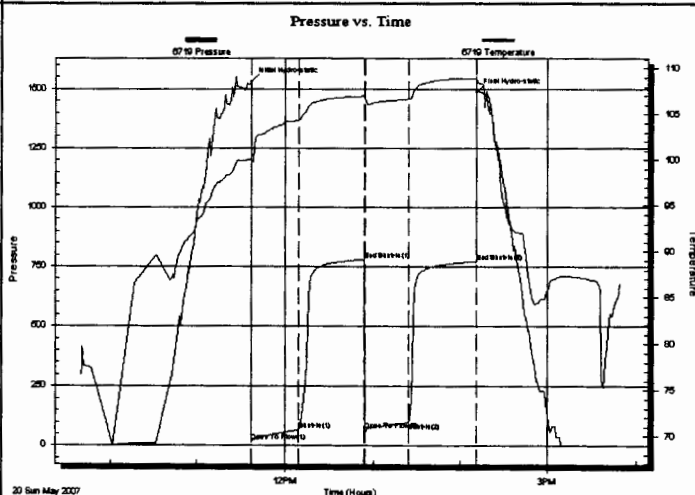
Capacity: 7000.00 psig

Last Calib.: 2007.05.20

Time On Btm: 2007.05.20 @ 11:36:56

Time Off Btm: 2007.05.20 @ 14:11:11

TEST COMMENT: IFP Strong BOB in 3-1/2 Min
ISI Weak Blow back For 6 Min
FFP Strong BOB in 3 Min
FSI Weak Blow back For 10 Min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1529.40	100.10	Initial Hydro-static
1	19.66	99.78	Open To Flow (1)
32	66.40	104.35	Shut-In(1)
77	777.99	106.98	End Shut-In(1)
77	64.82	106.72	Open To Flow (2)
108	98.34	106.66	Shut-In(2)
154	771.75	108.93	End Shut-In(2)
155	1486.59	109.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	HOCM 25%G 25%O 50%M	1.42
120.00	Gassy Muddy Oil 45%G 40%O 15%M	1.68
0.00	1620' Gas in Pipe	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

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28628

DST#: 1

ATTN: Kitt Noah

Test Start: 2007.05.20 @ 09:39:26

Tool Information

Drill Pipe:	Length: 3144.00 ft	Diameter: 3.80 inches	Volume: 44.10 bbl	Tool Weight:	2000.00 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:	50000.00 lb
		Total Volume:	44.24 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3177.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	74.00 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			3157.00	
Shut In Tool	5.00			3162.00	
Hydraulic tool	5.00			3167.00	
Packer	5.00			3172.00	21.00 Bottom Of Top Packer
Packer	5.00			3177.00	
Stubb	1.00			3178.00	
Perforations	1.00			3179.00	
Change Over Sub	1.00			3180.00	
Recorder	0.00	6719	Inside	3180.00	
Blank Spacing	31.00			3211.00	
Change Over Sub	1.00			3212.00	
Perforations	15.00			3227.00	
Recorder	0.00	13221	Outside	3227.00	
Bullnose	3.00			3230.00	53.00 Bottom Packers & Anchor
Total Tool Length:		74.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28628

DST#: 1

ATTN: Kitt Noah

Test Start: 2007.05.20 @ 09:39:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	HOCM 25%G 25%O 50%M	1.419
120.00	Gassy Muddy Oil 45%G 40%O 15%M	1.683
0.00	1620' Gas in Pipe	0.000

Total Length: 240.00 ft

Total Volume: 3.102 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

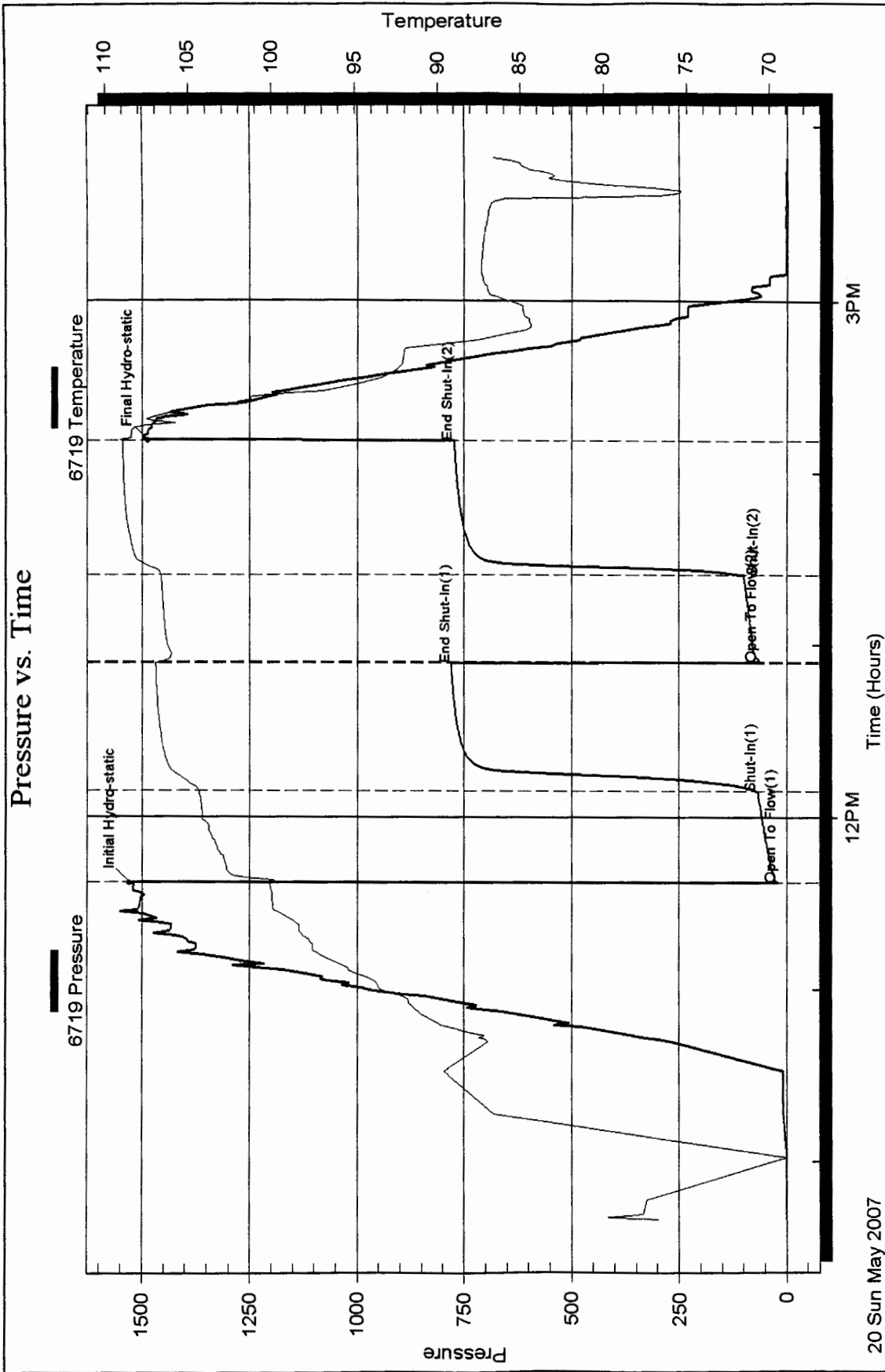
Serial #: 6719

Inside

Mai Oil Operations Inc

21 16 13 Barton KS

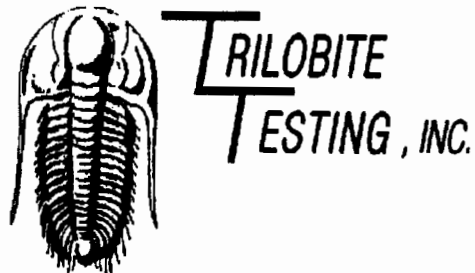
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 28628

Printed: 2007.05.24 @ 10:27:05 Page 5



DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 16 13 Barton KS

Holland #1

Start Date: 2007.05.21 @ 00:05:06

End Date: 2007.05.21 @ 07:21:51

Job Ticket #: 28629 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

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Holland #1

21 16 13 Barton KS

Job Ticket: 28629

DST#: 2

Test Start: 2007.05.21 @ 00:05:06

GENERAL INFORMATION:

Formation: **LKC-"E-G"**

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

Time Tool Opened: 02:12:51

Time Test Ended: 07:21:51

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3228.00 ft (KB) To 3266.00 ft (KB) (TVD)**

Total Depth: **3266.00 ft (KB) (TVD)**

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

Reference Elevations: **1959.00 ft (KB)**

1951.00 ft (CF)

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

Serial #: 6719 **Inside**

Press@RunDepth: **80.93 psig @ 3233.00 ft (KB)**

Start Date: **2007.05.21**

End Date:

2007.05.21

Start Time: **00:05:08**

End Time:

07:21:51

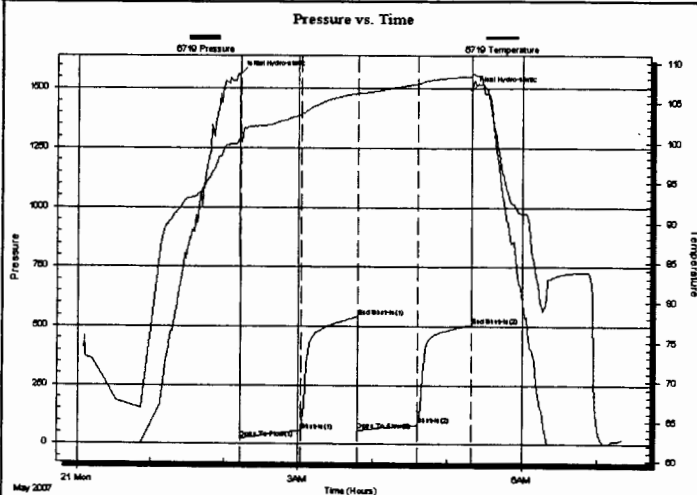
Capacity: **7000.00 psig**

Last Calib.: **2007.05.21**

Time On Btm: **2007.05.21 @ 02:12:21**

Time Off Btm: **2007.05.21 @ 05:19:21**

TEST COMMENT: IFP Strong BOB in 4-1/2 Mn.
ISI Blow back For 5 Mn.
FFP Good Blow BOB in 8 Mn.
FSI Blow back Built to 2 "



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.77	100.48	Initial Hydro-static
1	19.72	100.21	Open To Flow (1)
50	56.10	103.54	Shut-In (1)
96	542.46	106.20	End Shut-In (1)
96	59.54	106.11	Open To Flow (2)
145	80.93	107.41	Shut-In (2)
187	506.29	108.32	End Shut-In (2)
187	1494.95	108.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCMW 2%O 70%W 28%M	0.05
170.00	HOCWM 30%G 50%O 5%W 15%M	2.21
0.00	1020' Gas In Pipe	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

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28629

DST#: 2

ATTN: Kitt Noah

Test Start: 2007.05.21 @ 00:05:06

Tool Information

Drill Pipe:	Length: 3208.00 ft	Diameter: 3.80 inches	Volume: 45.00 bbl	Tool Weight:	2000.00 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:	45.14 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3228.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	59.00 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			3208.00	
Shut In Tool	5.00			3213.00	
Hydraulic tool	5.00			3218.00	
Packer	5.00			3223.00	21.00 Bottom Of Top Packer
Packer	5.00			3228.00	
Stubb	1.00			3229.00	
Perforations	4.00			3233.00	
Recorder	0.00	6719	Inside	3233.00	
Perforations	30.00			3263.00	
Recorder	0.00	13221	Outside	3263.00	
Bullnose	3.00			3266.00	38.00 Bottom Packers & Anchor
Total Tool Length:		59.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28629

DST#: 2

ATTN: Kitt Noah

Test Start: 2007.05.21 @ 00:05:06

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:

18500 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	VSOCMM 2%O 70%W 28%M	0.049
170.00	HOCMM 30%G 50%O 5%W 15%M	2.212
0.00	1020' Gas In Pipe	0.000

Total Length: 180.00 ft

Total Volume: 2.261 bbl

Num Fluid Samples: 0

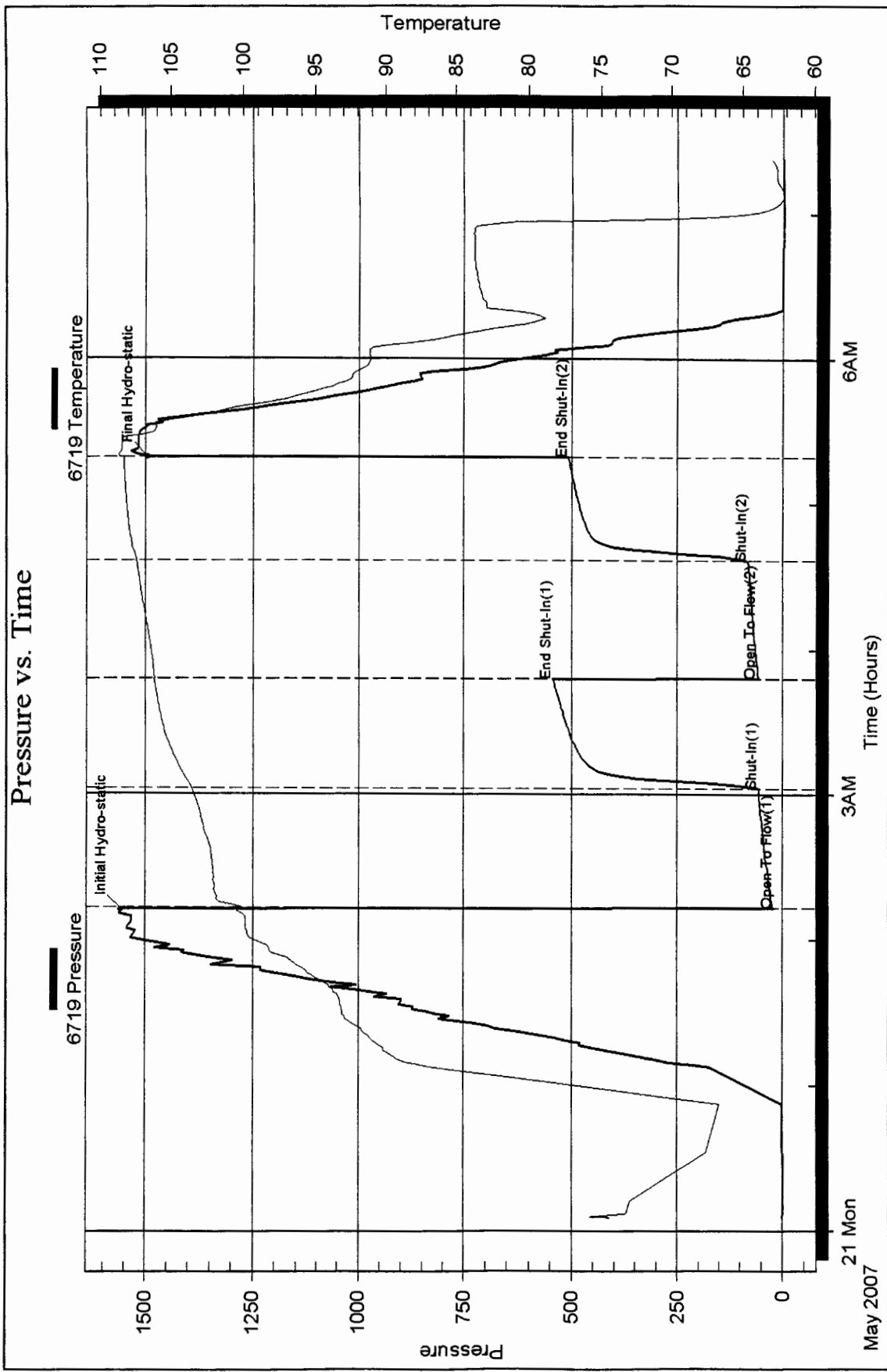
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 16 13 Barton KS

Holland #1

Start Date: 2007.05.21 @ 20:29:17

End Date: 2007.05.22 @ 01:43:47

Job Ticket #: 28630 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: Kitt Noah

Holland #1

21 16 13 Barton KS

Job Ticket: 28630

DST#: 3

Test Start: 2007.05.21 @ 20:29:17

GENERAL INFORMATION:

Formation: LKC-"h-I-J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:02

Time Test Ended: 01:43:47

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3294.00 ft (KB) To 3360.00 ft (KB) (TVD)

Total Depth: 3360.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1959.00 ft (KB)

1951.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719 Inside

Press@RunDepth: 19.05 psig @ 3300.00 ft (KB)

Start Date: 2007.05.21

End Date:

2007.05.22

Start Time: 20:29:19

End Time:

01:43:47

Capacity: 7000.00 psig

Last Calib.: 2007.05.22

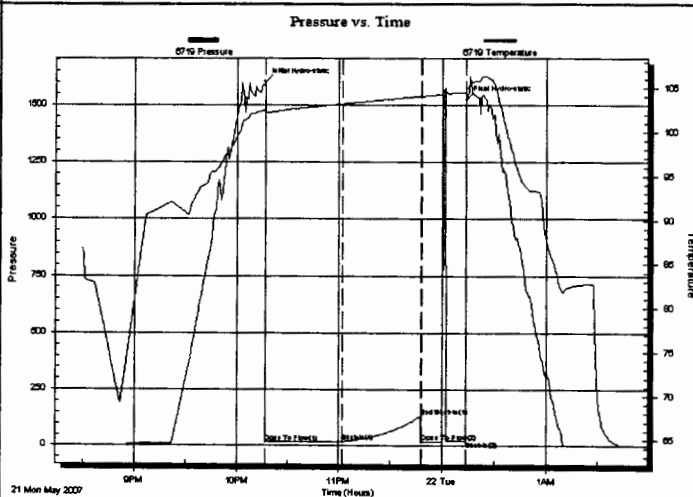
Time On Btm: 2007.05.21 @ 22:16:47

Time Off Btm: 2007.05.22 @ 00:13:32

TEST COMMENT: IFP Weak Intermittent Surging Blow died in 25 Min.

ISI Dead

FFP Dead Flush After 15 Mn Still Dead After 10 Mn. Pull Tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.43	102.48	Initial Hydro-static
1	15.98	102.18	Open To Flow (1)
46	19.05	103.17	Shut-In(1)
91	132.44	104.07	End Shut-In(1)
92	19.38	104.03	Open To Flow (2)
117	22.43	104.51	Shut-In(2)
117	1523.27	105.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling Mud	0.01

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

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28630

DST#: 3

ATTN: Kitt Noah

Test Start: 2007.05.21 @ 20:29:17

Tool Information

Drill Pipe:	Length: 3269.00 ft	Diameter: 3.80 inches	Volume: 45.86 bbl	Tool Weight:	2000.00 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:	70000.00 lb
		Total Volume:	46.00 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3294.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.00 ft				
Tool Length:	87.00 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			3274.00	
Shut In Tool	5.00			3279.00	
Hydraulic tool	5.00			3284.00	
Packer	5.00			3289.00	21.00 Bottom Of Top Packer
Packer	5.00			3294.00	
Stubb	1.00			3295.00	
Perforations	4.00			3299.00	
Change Over Sub	1.00			3300.00	
Recorder	0.00	6719	Inside	3300.00	
Blank Spacing	31.00			3331.00	
Change Over Sub	1.00			3332.00	
Perforations	25.00			3357.00	
Recorder	0.00	13221	Outside	3357.00	
Bullnose	3.00			3360.00	66.00 Bottom Packers & Anchor
Total Tool Length:		87.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28630

DST#: 3

ATTN: Kitt Noah

Test Start: 2007.05.21 @ 20:29:17

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling Mud	0.010

Total Length:

2.00 ft

Total Volume:

0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

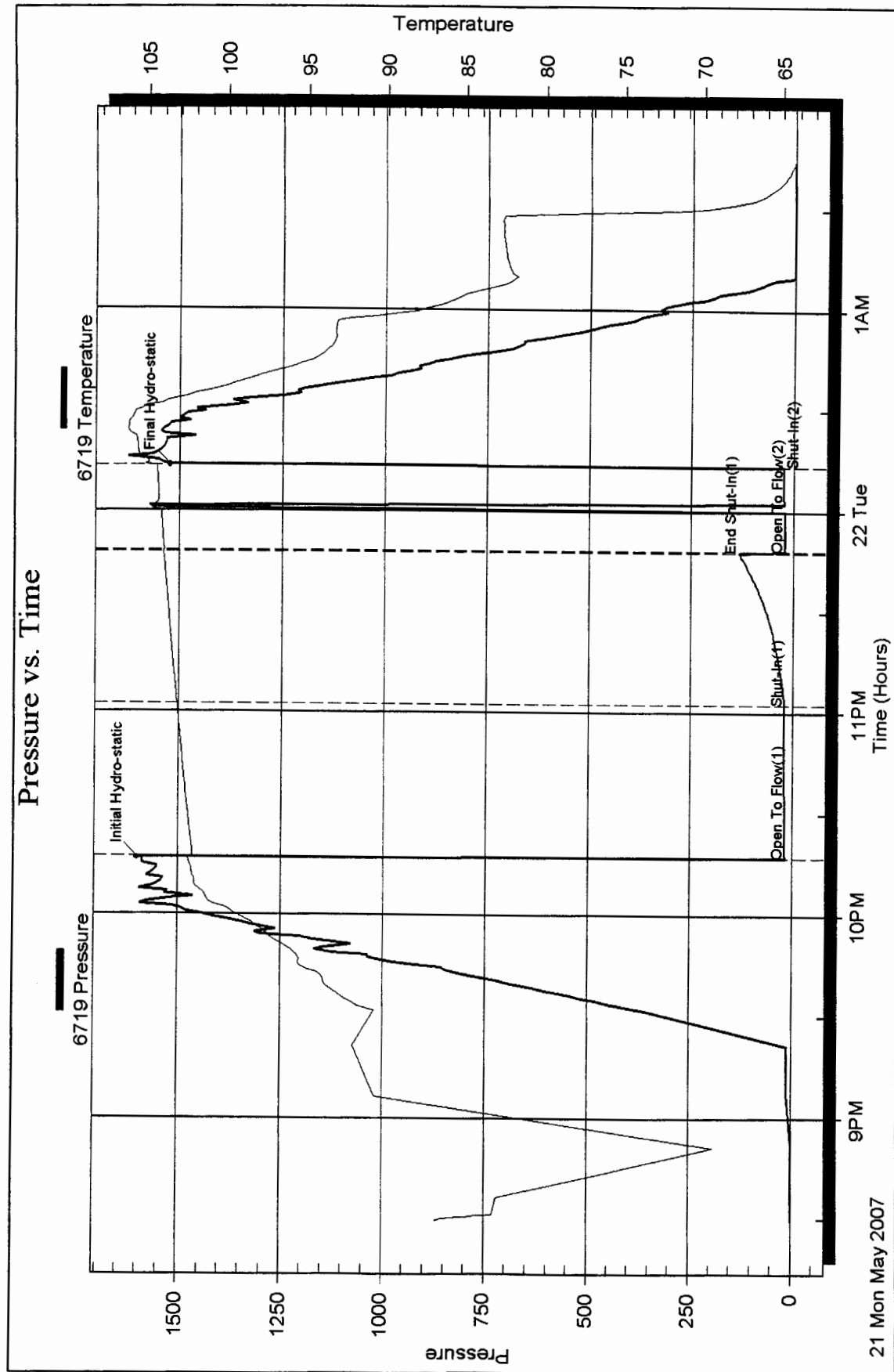
Serial #: 6719

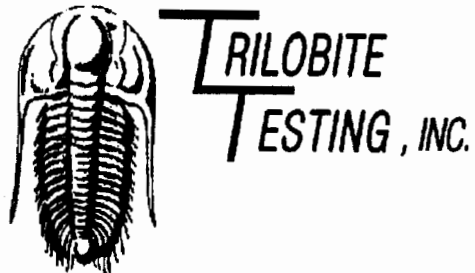
Inside

Mai Oil Operations Inc

21 16 13 Barton KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

21 16 13 Barton KS

Holland #1

Start Date: 2007.05.22 @ 13:05:37

End Date: 2007.05.22 @ 18:21:37

Job Ticket #: 28631 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

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Kitt Noah

Holland #1

21 16 13 Barton KS

Job Ticket: 28631

DST#: 4

Test Start: 2007.05.22 @ 13:05:37

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 14:18:07

Time Test Ended: 18:21:37

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3399.00 ft (KB) To 3423.00 ft (KB) (TVD)**

Total Depth: **3423.00 ft (KB) (TVD)**

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

Reference Elevations: **1959.00 ft (KB)**

1951.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6719 **Inside**

Press@RunDepth: **219.38 psig @ 3401.00 ft (KB)**

Start Date: **2007.05.22**

End Date:

2007.05.22

Start Time: **13:05:39**

End Time:

18:21:37

Capacity: **7000.00 psig**

Last Calib.: **2007.05.22**

Time On Btm: **2007.05.22 @ 14:17:52**

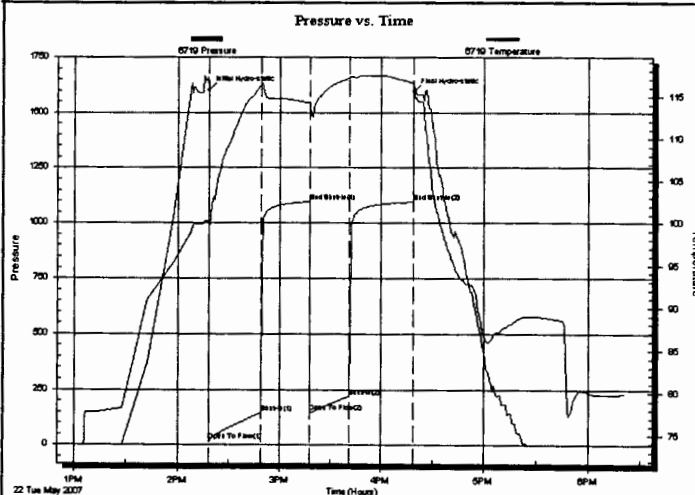
Time Off Btm: **2007.05.22 @ 16:19:07**

TEST COMMENT: **IFP Good Blow BOB in 8 Min**

ISI Dead

FFP Good Blow BOB in 9 Mn.

FSI 1/4 " Blow back



PRESSURE SUMMARY

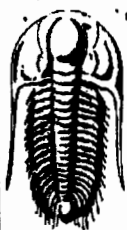
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.05	100.24	Initial Hydro-static
1	16.99	99.87	Open To Flow (1)
31	144.92	116.32	Shut-In (1)
60	1095.09	114.27	End Shut-In (1)
60	146.81	113.84	Open To Flow (2)
84	219.38	117.14	Shut-In (2)
121	1095.81	116.55	End Shut-In (2)
122	1594.52	116.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	VSOCMW 5%G 5%O 75%W 15%M	2.26
270.00	GMCO 20%G 50%O 20%W 10%M	3.79
50.00	Free Oil	0.70
0.00	100' Gas In Pipe	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

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28631

DST#: 4

ATTN: Kitt Noah

Test Start: 2007.05.22 @ 13:05:37

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight:	2000.00 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:	45000.00 lb
		Total Volume:	47.30 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3399.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3379.00	
Shut In Tool	5.00			3384.00	
Hydraulic tool	5.00			3389.00	
Packer	5.00			3394.00	21.00 Bottom Of Top Packer
Packer	5.00			3399.00	
Stubb	1.00			3400.00	
Perforations	1.00			3401.00	
Recorder	0.00	6719	Inside	3401.00	
Perforations	19.00			3420.00	
Recorder	0.00	13221	Outside	3420.00	
Bullnose	3.00			3423.00	24.00 Bottom Packers & Anchor

Total Tool Length: 45.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

Holland #1

PO Box 33
Russell KS 67665

21 16 13 Barton KS

Job Ticket: 28631

DST#: 4

ATTN: Kitt Noah

Test Start: 2007.05.22 @ 13:05:37

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

16000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	VSOCMW 5%G 5%O 75%W 15%M	2.261
270.00	GMCO 20%G 50%O 20%W 10%M	3.787
50.00	Free Oil	0.701
0.00	100' Gas In Pipe	0.000

Total Length: 500.00 ft

Total Volume: 6.749 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

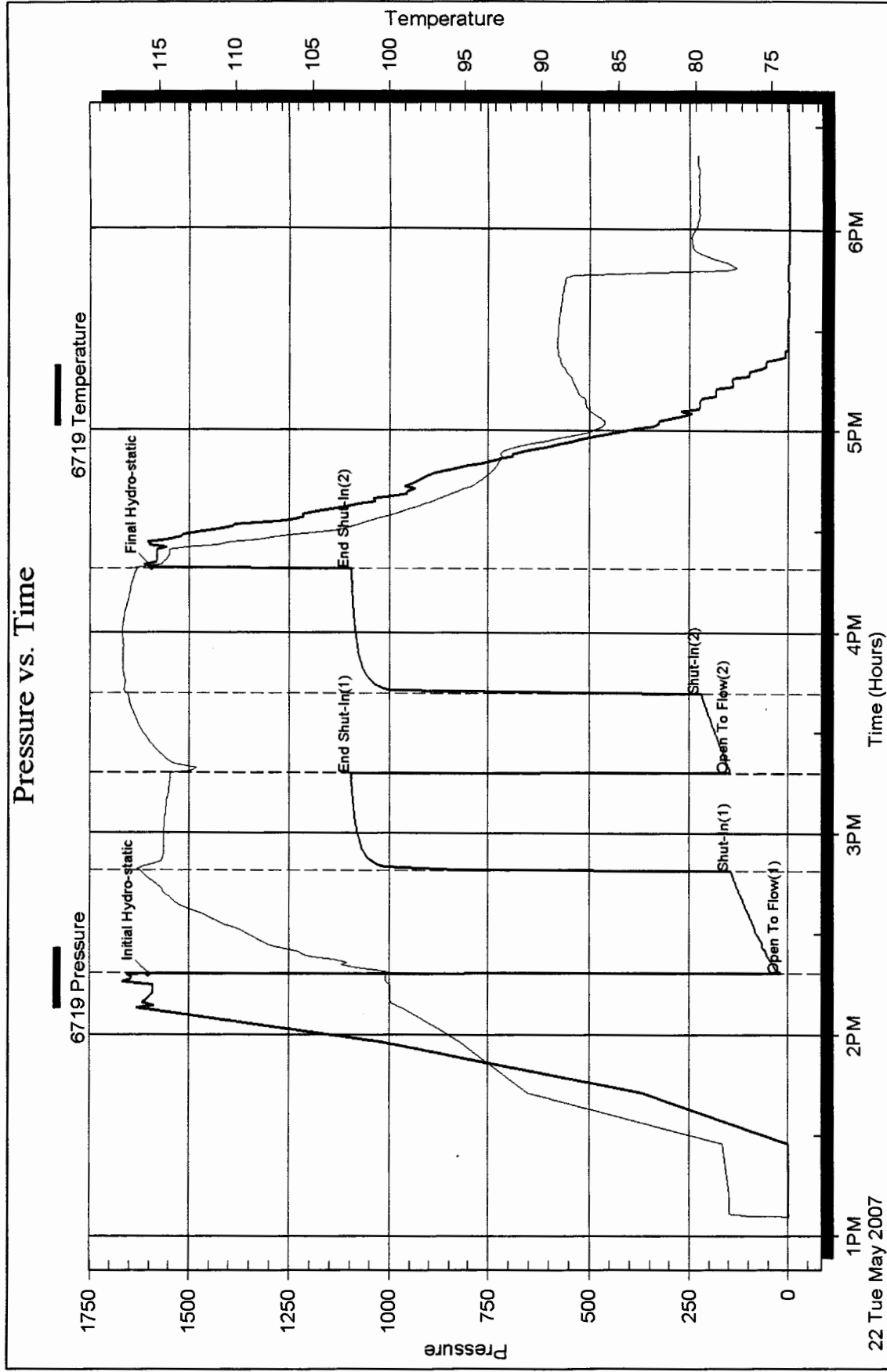
Serial #:

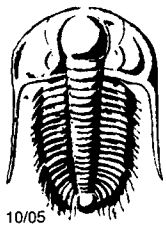
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28628✓

10188

Test Ticket

Well Name & No. Holland #1 Test No. 1 Date 5-20-07
 Company Mai Oil Operations, Inc. Zone Tested LKC 'A-D'
 Address PO Box 33, Russell, Ks, 67665 Elevation 1959 KB 1951 GL
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 21 Twp. 16s Rge. 13w Co. Barton State Ks
 Comment: Pipe Strap short 11' Release date / time: _____

Interval Tested 3177-3230 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 53 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3172 Tool Weight 2,000
 Bottom Packer Depth 3177 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3230 Wt. Pipe Run 0 Drill Collar Run 29
 Mud Wt. 9.1 LCM 1* Vis. 49 WL 9.2 Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description IFP- Strong, BOB in 3 1/2 min.
ISI- Weak Blowback for 6 min.
FFP- Strong, BOB in 3 min.
FSI- Weak Blowback for 10 min.

Recovery - Total Feet 240 GIP 1620 Ft. in DC _____ Ft. in DP _____
 Rec. 120 Feet of Gassy Muddy Oil 45 %gas 40 %oil %water 15 %mud
 Rec. 120 Feet of HOCm 25 %gas 25 %oil %water 50 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 109° °F Gravity _____ °API D @ _____ °F Corrected Gravity 36 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1529	PSI	6719	1100
(B) First Initial Flow Pressure	20	PSI	3180	Jars
(C) First Final Flow Pressure	66	PSI	13221	Safety Jt.
(D) Initial Shut-In Pressure	778	PSI	3227	Circ Sub
(E) Second Initial Flow Pressure	65	PSI		Sampler
(F) Second Final Flow Pressure	98	PSI		Straddle
(G) Final Shut-In Pressure	772	PSI	Initial Opening	Ext. Packer
(Q) Final Hydrostatic Mud	1487	PSI	Initial Shut-In	Shale Packer

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Approved By _____

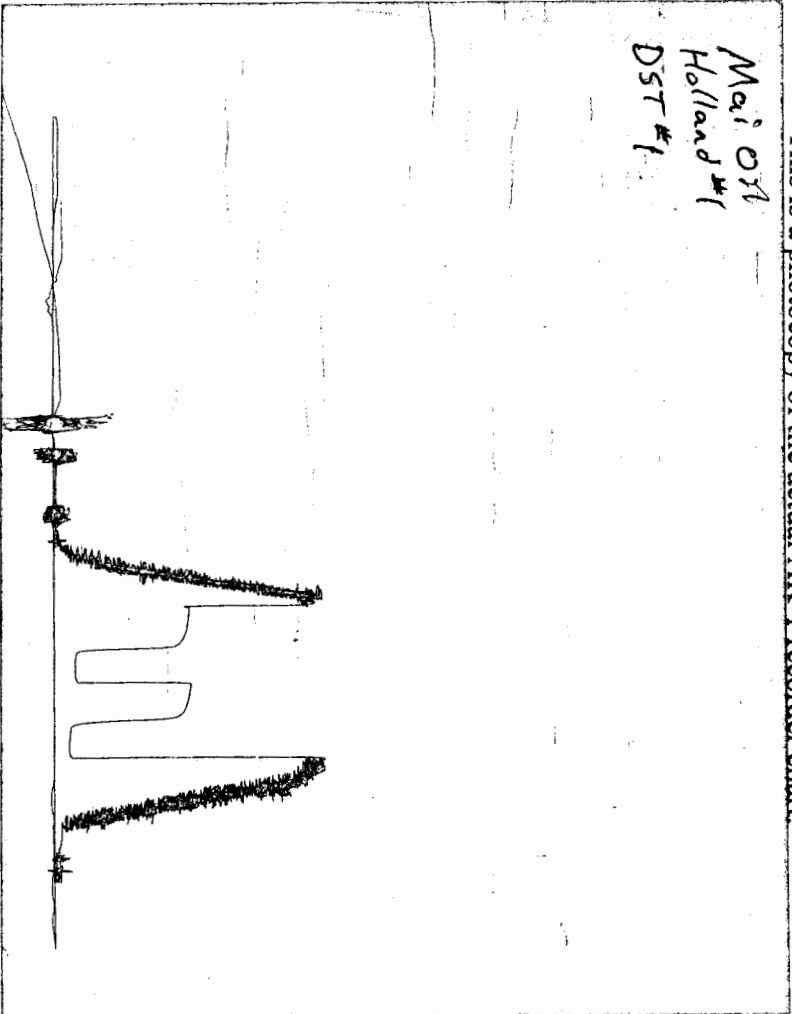
Our Representative G. Mc Lemon *thank you*

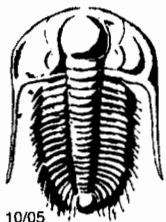
Final Flow 30
 Final Shut-In 45
 T-On Location 8:15
 T-Started 9:39
 T-Open 11:37
 T-Pulled 14:07
 T-Out 15:49
 Sub Total: _____
 Std. By: _____
 Acc. Chg: _____
 Other: \$1217.50
 Total: \$1217.50

CHART PAGE

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

Mai OY
Holland #1
DST #1





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28629

Test Ticket

Well Name & No. <u>Holland #1</u>	Test No. <u>2</u>	Date <u>5-20-07</u>
Company <u>Mai Oil Operations, Inc</u>	Zone Tested <u>LKC-"E-G"</u>	
Address <u>PO Box 33, Russell, Ks. 67665</u>	Elevation <u>1959</u> KB <u>1951</u> GL	
Co. Rep / Geo. <u>Kit Noah</u>	Rig <u>Southwind #3</u>	
Location: Sec. <u>21</u> Twp. <u>16s</u> Rge. <u>13w</u>	Co. <u>Barton</u>	State <u>Ks</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3228 - 3266</u>	Initial Str Wt./Lbs. <u>40,000</u>	Unseated Str Wt./Lbs. <u>40,000</u>
Anchor Length <u>38'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3223</u>	Tool Weight <u>2,000</u>	
Bottom Packer Depth <u>3228</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3266</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>29</u>
Mud Wt. <u>9.1</u> LCM <u>1*</u> Vis. <u>49</u> WL <u>9.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run _____
Blow Description <u>IFP- Strong, BOB in 4 1/2 Min</u>		
<u>ISI - Blowback For 5 min</u>		
<u>FFP - Good Blow, BOB in 8 min.</u>		
<u>FBI - Blowback Built to 2"</u>		

Recovery - Total Feet <u>180</u>	GIP <u>1020</u>	Ft. in DC <u>29</u>	Ft. in DP <u>151</u>
Rec. <u>170</u>	Feet of <u>30</u>	%gas <u>50</u>	%oil <u>5</u> %water <u>15</u> %mud
Rec. <u>10</u>	Feet of <u>1500 MW</u>	%gas <u>2</u>	%oil <u>70</u> %water <u>28</u> %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud
BHT <u>108°</u>	*F Gravity <u>41</u>	*API D @ <u>60</u>	*F Corrected Gravity <u>41</u> *API
RW <u>.316</u> @ <u>60</u> *F	Chlorides <u>18,500</u> ppm	Recovery _____	Chlorides <u>4,000</u> ppm System

AK-1	Alpine	Recorder No. <u>6719</u>	(Test) <u>1100</u>
(A) Initial Hydrostatic Mud	<u>1558</u> PSI	(depth) <u>3233</u>	Jars _____
(B) First Initial Flow Pressure	<u>20</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(C) First Final Flow Pressure	<u>56</u> PSI	(depth) <u>3263</u>	Circ Sub _____
(D) Initial Shut-In Pressure	<u>542</u> PSI	Recorder No. _____	Sampler _____
(E) Second Initial Flow Pressure	<u>60</u> PSI	(depth) _____	Straddle _____
(F) Second Final Flow Pressure	<u>81</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____
(G) Final Shut-In Pressure	<u>506</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
(Q) Final Hydrostatic Mud	<u>1495</u> PSI	Final Flow <u>45</u>	Ruined Packer _____
		Final Shut-In <u>45</u>	Mileage <u>94 + 117.50</u>

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Approved By _____

Our Representative G. Mc Lomax

T-On Location

T-Started

T-Open

T-Pulled

T-Out

23:33

00:05

2:13

5:13

7:23

Sub Total: _____

Std. By _____

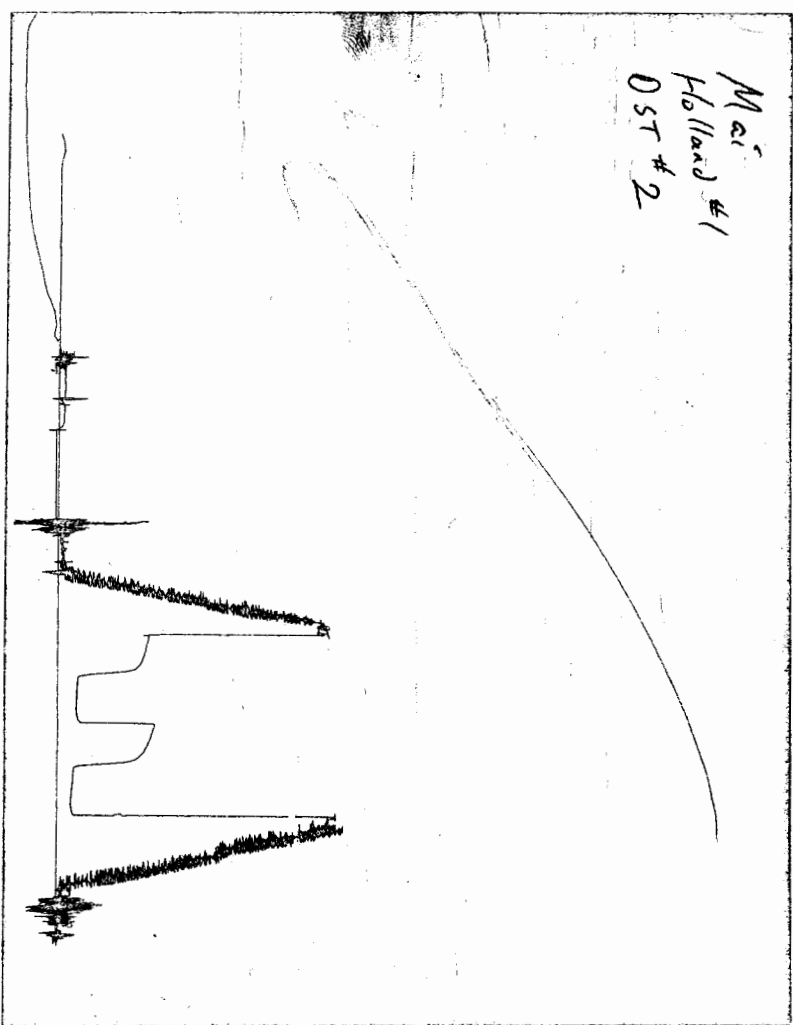
Acc. Chg: B/217.50

Other: _____

Total: _____

CHART PAGE

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





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Test Ticket

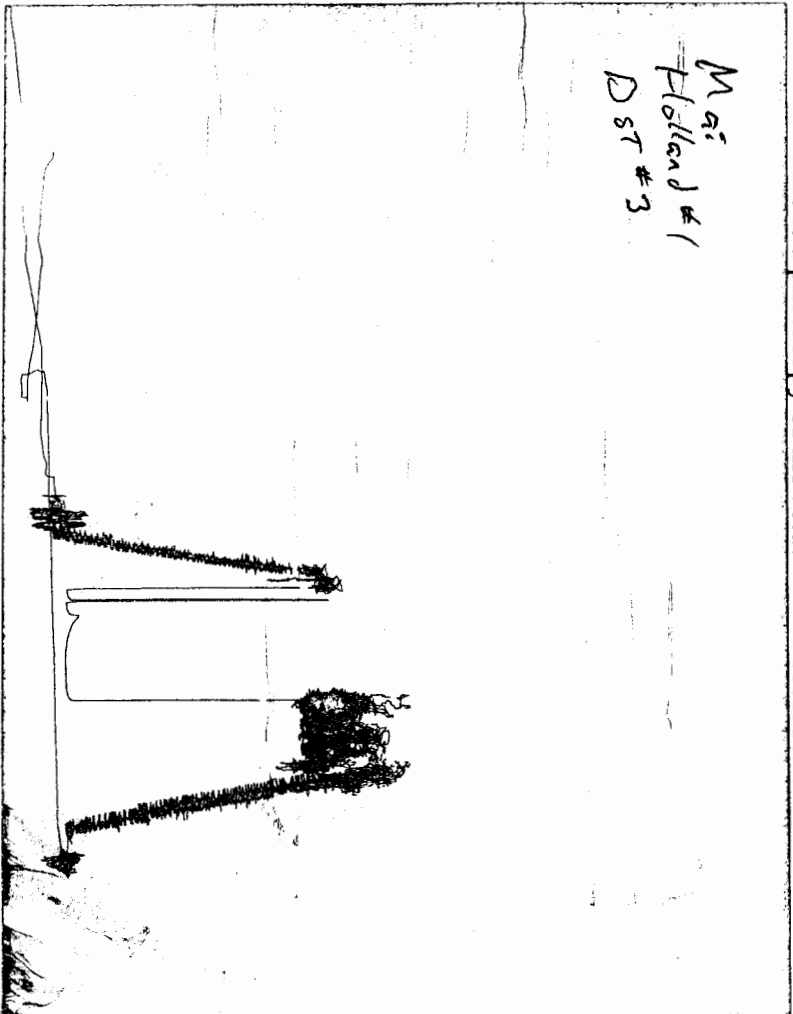
Recorder No.	6719	Test	1100
(depth)	3300	Jars	
Recorder No.	13221	Safety Jt.	
(depth)	3357	Circ Sub	
Recorder No.		Sampler	
(depth)		Straddle	
Initial Opening	45	Ext. Packer	
Initial Shut-In	45	Shale Packer	
Final Flow		Ruined Packer	
Final Shut-In		Mileage	94 rt 117.5
T-On Location	20:25	Sub Total:	
T-Started	20:29	Std. By	
T-Open	22:16	Acc. Chg:	11217.5
T-Pulled	00:15	Other:	
T-Out	1:43	Total:	

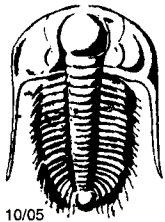
Ruined Packer _____
Mileage 94 + 117.50
Sub Total: _____
Std. By _____
Acc. Chg: \$1217.50
Other: _____
Total: _____

CHART PAGE

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

M_g
Holland #1
DST #3





TRILOBITE TESTING INC.

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28631

Test Ticket

Well Name & No.	Holland #1	Test No.	4	Date	5-22-07
Company	Mai Oil Operations, Inc.	Zone Tested	Arbuckle		
Address	PO Box 33, Russell, Ks. 67645	Elevation	1959	KB	1951 GL
Co. Rep / Geo.	Kitt Noah	Rig	Southwind #3		
Location: Sec.	21	Twp.	16s	Rge.	13w
		Co.	Barton	State	Ks
Comment:	Release date / time:				

Interval Tested	3399-3423	Initial Str Wt./Lbs.	42,000	Unseated Str Wt./Lbs.	43,000
Anchor Length	24'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	45,000
Top Packer Depth	3394	Tool Weight	2,000		
Bottom Packer Depth	3399	Hole Size	7 7/8" ✓	Rubber Size	6 3/4" ✓
Total Depth	3423	Wt. Pipe Run	0	Drill Collar Run	29
Mud Wt.	9.0	LCM	1/4"	Vis.	59
		WL	9.6	Drill Pipe Size	4 1/2 XH
Blow Description	IFP - Good Blow, BOB in 8 min.				
	ISL - Dead				
	FFP - Good Blow, BOB in 9 min				
	FSI - 1/4" Blowback				

Recovery - Total Feet	500	GIP	100	Ft. in DC		Ft. in DP	
Rec.	50	Feet of	Free Oil	%gas	%oil	%water	%mud
Rec.	270	Feet of	MCO (Gassy)	20	50	20	10
Rec.	180	Feet of	VSOC MW	5	5	75	15
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	117'	F Gravity	39	*API D @	80	*F Corrected Gravity	37
RW	.366	@	80	*F Chlorides	16,000	ppm Recovery	
				Chlorides	6,000	ppm System	

(A) Initial Hydrostatic Mud	AK-1	Alpine	1657	PSI	Recorder No.	6719	Test	1100
(B) First Initial Flow Pressure			17	PSI	(depth)	3401	Jars	
(C) First Final Flow Pressure			145	PSI	Recorder No.	13221	Safety Jt.	
(D) Initial Shut-In Pressure			1095	PSI	(depth)	3420	Circ Sub	
(E) Second Initial Flow Pressure			147	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			219	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			1096	PSI	Initial Opening	30	Ext. Packer	
(Q) Final Hydrostatic Mud			1595	PSI	Initial Shut-In	30	Shale Packer	

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Approved By

Our Representative

J. McLemore *hank*

Final Flow	30
Final Shut-In	30
T-On Location	12:45
T-Started	13:05
T-Open	14:17
T-Pulled	16:17
T-Out	18:22

Mileage	94# 117.50
Sub Total:	
Std. By	
Acc. Chg:	1217.50
Other:	
Total:	