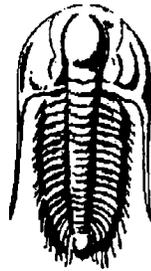


15-167-23303

15-12s-15w



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Rod Tremblay

**15-12s-15w**

**Haberer**

Start Date: 2005.09.30 @ 17:05:39

End Date: 2005.09.30 @ 23:44:09

Job Ticket #: 23569                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mai Oil Operations

Haberer

15-12s-15w

DST # 1

Topeka

2005.09.30



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations

Haberer

PO Box 33  
Russell KS 67665

15-12s-15w

Job Ticket: 23569

DST#: 1

ATTN: Rod Tremblay

Test Start: 2005.09.30 @ 17:05:39

## GENERAL INFORMATION:

Formation: **Topeka**

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

Time Tool Opened: 18:54:39

Time Test Ended: 23:44:09

Test Type: **Conventional Bottom Hole**

Tester: **Michael**

Unit No: **22**

Interval: **2734.00 ft (KB) To 2815.00 ft (KB) (TVD)**

Total Depth: **2815.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1736.00 ft (KB)**

**1731.00 ft (CF)**

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

Serial #: **8166**

Inside

Press@RunDepth: **99.22 psig @ 2738.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.09.30**

End Date:

**2005.09.30**

Last Calib.: **2005.10.01**

Start Time: **17:05:40**

End Time:

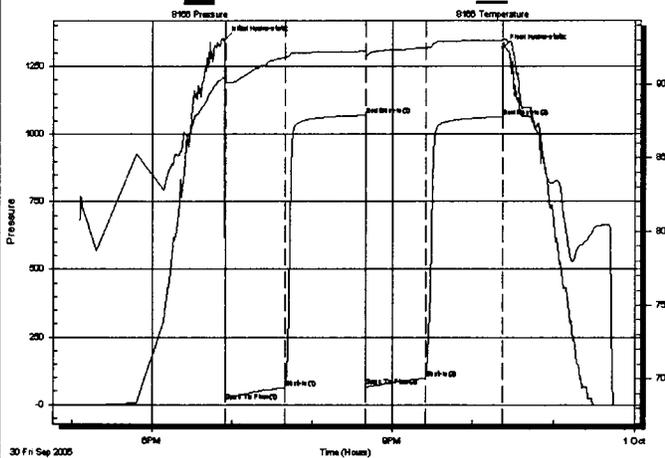
**23:44:09**

Time On Btm: **2005.09.30 @ 18:54:09**

Time Off Btm: **2005.09.30 @ 22:22:09**

TEST COMMENT: **F- Slow building 8" Blow**  
**IS- No blow**  
**FF- Slow building 4" Blow**  
**FS- No blow**

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1348.28	90.45	Initial Hydro-static
1	13.84	90.14	Open To Flow (1)
46	63.73	91.84	Shut-In(1)
106	1070.03	92.25	End Shut-In(1)
106	67.63	91.80	Open To Flow (2)
151	99.22	92.49	Shut-In(2)
208	1064.49	93.00	End Shut-In(2)
208	1317.56	93.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
184.00	Oil spotted Drilling mud	2.31

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mai Oil Operations

**Haberer**

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23569

**DST#: 1**

ATTN: Rod Tremblay

Test Start: 2005.09.30 @ 17:05:39

### Tool Information

Drill Pipe:	Length: 2701.00 ft	Diameter: 3.80 inches	Volume: 37.89 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 38.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2734.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	102.00 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			2714.00	
Shut In Tool	5.00			2719.00	
Hydraulic tool	5.00			2724.00	
Packer	5.00			2729.00	21.00 Bottom Of Top Packer
Packer	5.00			2734.00	
Blank Spacing	1.00			2735.00	
Perforations	2.00			2737.00	
Change Over Sub	1.00			2738.00	
Recorder	0.00	8166	Inside	2738.00	
Drill Pipe	63.00			2801.00	
Change Over Sub	1.00			2802.00	
Recorder	0.00	10991	Outside	2802.00	
Perforations	10.00			2812.00	
Bullnose	3.00			2815.00	81.00 Bottom Packers & Anchor

**Total Tool Length: 102.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations

Haberer

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23569

**DST#: 1**

ATTN: Rod Tremblay

Test Start: 2005.09.30 @ 17:05:39

**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: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
184.00	Oil spotted Drilling mud	2.308

Total Length: 184.00 ft      Total Volume: 2.308 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

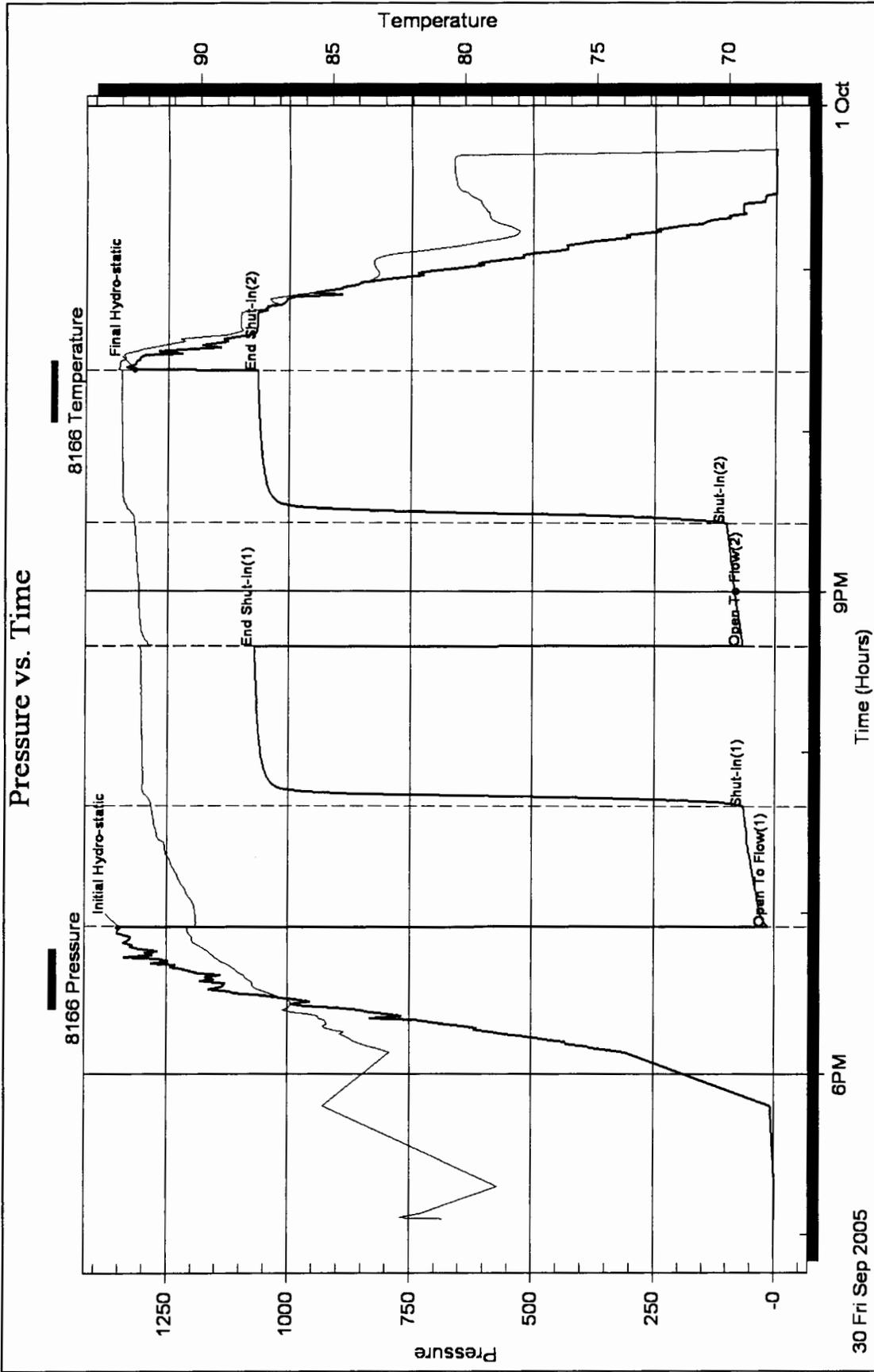
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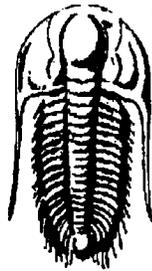
Inside

Mai Oil Operations

15-12s-15w

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Rod Tremblay

**15-12s-15w**

**Haberer**

Start Date: 2005.10.01 @ 12:27:20

End Date: 2005.10.01 @ 18:58:20

Job Ticket #: 23570                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mai Oil Operations

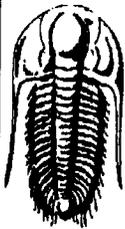
Haberer

15-12s-15w

DST # 2

LKC

2005.10.01



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Mai Oil Operations

**Haberer**

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23570

**DST#: 2**

ATTN: Rod Tremblay

Test Start: 2005.10.01 @ 12:27:20

### GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 13:49:35

Time Test Ended: 18:58:20

Test Type: **Conventional Bottom Hole**

Tester: **Michael**

Unit No: **22**

Interval: **2873.00 ft (KB) To 2952.00 ft (KB) (TVD)**

Reference Elevations: **1736.00 ft (KB)**

Total Depth: **2952.00 ft (KB) (TVD)**

**1731.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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

**Serial #: 8166**

**Inside**

Press@RunDepth: **69.23 psig @ 2877.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.10.01**

End Date:

**2005.10.01**

Last Calib.: **2005.10.01**

Start Time: **12:27:21**

End Time:

**18:58:20**

Time On Btrr: **2005.10.01 @ 13:48:50**

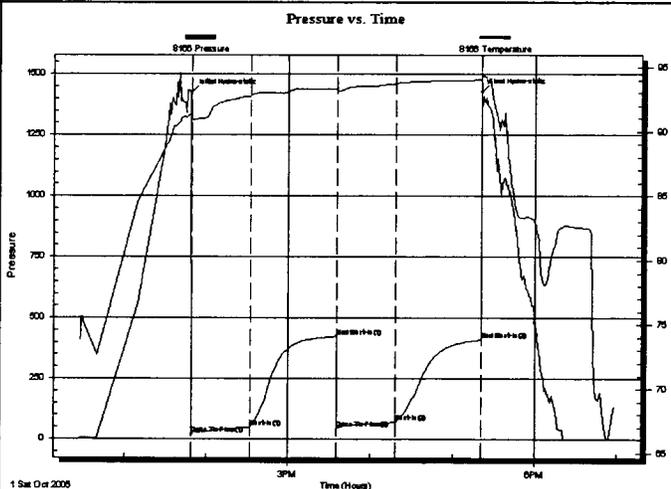
Time Off Btrr: **2005.10.01 @ 17:20:50**

TEST COMMENT: **F- B of B 15m**

**ISI- No blow**

**FF- B of B 5m**

**FSI- No blow**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1423.59	91.31	Initial Hydro-static
1	18.20	90.96	Open To Flow (1)
44	47.06	92.79	Shut-In(1)
107	424.11	93.33	End Shut-In(1)
107	41.93	93.21	Open To Flow (2)
150	69.23	93.76	Shut-In(2)
212	409.68	94.04	End Shut-In(2)
212	1426.54	94.59	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
124.00	Gassy Oil&w ater Cut Mud 10% o 15w 37g 38	1.47
10.00	Gassy Oil Cut Mud 2%g 8%o 80%m	0.14
0.00	300 GIP Water 30,000 Chlorides	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Mai Oil Operations

Haberer

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23570

**DST#: 2**

ATTN: Rod Tremblay

Test Start: 2005.10.01 @ 12:27:20

**Tool Information**

Drill Pipe:	Length: 2828.00 ft	Diameter: 3.80 inches	Volume: 39.67 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<b>Total Volume: 39.82 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	2873.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	100.00 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			2853.00	
Shut In Tool	5.00			2858.00	
Hydraulic tool	5.00			2863.00	
Packer	5.00			2868.00	21.00 Bottom Of Top Packer
Packer	5.00			2873.00	
Blank Spacing	1.00			2874.00	
Perforations	2.00			2876.00	
Change Over Sub	1.00			2877.00	
Recorder	0.00	8166	Inside	2877.00	
Drill Pipe	61.00			2938.00	
Change Over Sub	1.00			2939.00	
Recorder	0.00	10991	Outside	2939.00	
Perforations	10.00			2949.00	
Bullnose	3.00			2952.00	79.00 Bottom Packers & Anchor

**Total Tool Length: 100.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations

**Haberer**

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23570

**DST#: 2**

ATTN: Rod Tremblay

Test Start: 2005.10.01 @ 12:27:20

**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: 44.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
124.00	Gassy Oil & water Cut Mud 10% oil 15w 37g/38m	1.466
10.00	Gassy Oil Cut Mud 2% gas 8% oil 80% m	0.140
0.00	300 GIP Water 30,000 Chlorides	0.000

Total Length: 134.00 ft

Total Volume: 1.606 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

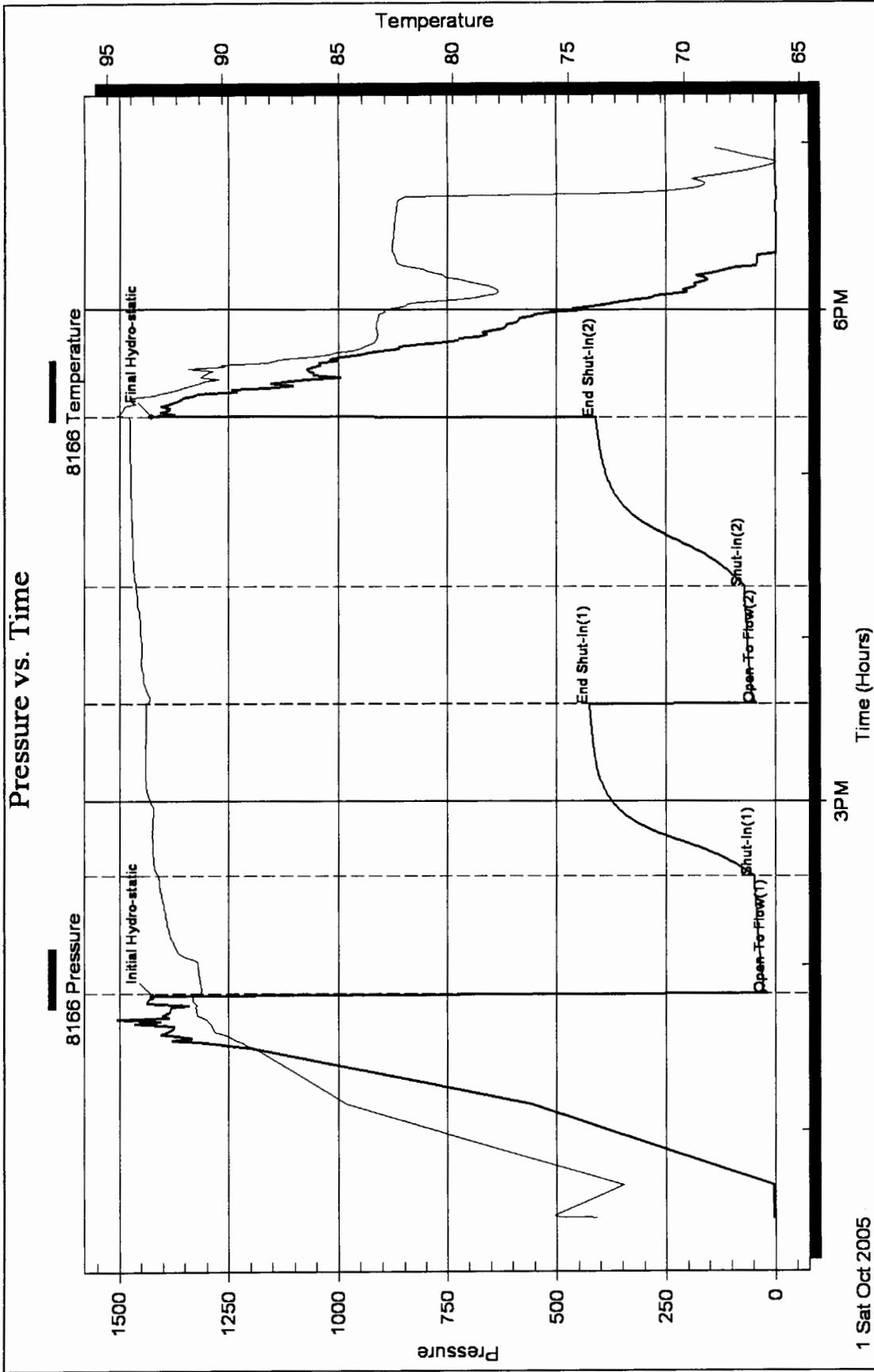
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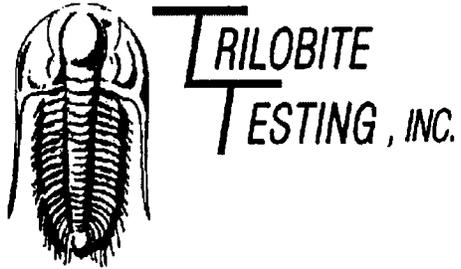
Inside

Mal Oil Operations

15-12s-15w

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Rod Tremblay

**15-12s-15w**

**Haberer**

Start Date: 2005.10.02 @ 13:13:45

End Date: 2005.10.02 @ 17:00:15

Job Ticket #: 23571                      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

**TOOL DIAGRAM**

Mai Oil Operations

**Haberer**

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23571

**DST#: 3**

ATTN: Rod Tremblay

Test Start: 2005.10.02 @ 13:13:45

### Tool Information

Drill Pipe:	Length: 3008.00 ft	Diameter: 3.80 inches	Volume: 42.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<b>Total Volume: 42.19 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3019.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	112.00 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			2999.00	
Shut In Tool	5.00			3004.00	
Hydraulic tool	5.00			3009.00	
Packer	5.00			3014.00	21.00 Bottom Of Top Packer
Packer	5.00			3019.00	
Blank Spacing	1.00			3020.00	
Perforations	2.00			3022.00	
Change Over Sub	1.00			3023.00	
Recorder	0.00	8166	Inside	3023.00	
Drill Pipe	63.00			3086.00	
Change Over Sub	1.00			3087.00	
Recorder	0.00	10991	Outside	3087.00	
Perforations	20.00			3107.00	
Bullnose	3.00			3110.00	91.00 Bottom Packers & Anchor

**Total Tool Length: 112.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations

**Haberer**

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23571

**DST#: 3**

ATTN: Rod Tremblay

Test Start: 2005.10.02 @ 13:13:45

**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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
12.00	Lightly Oil spotted Drilling mud	0.168

Total Length: 12.00 ft      Total Volume: 0.168 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

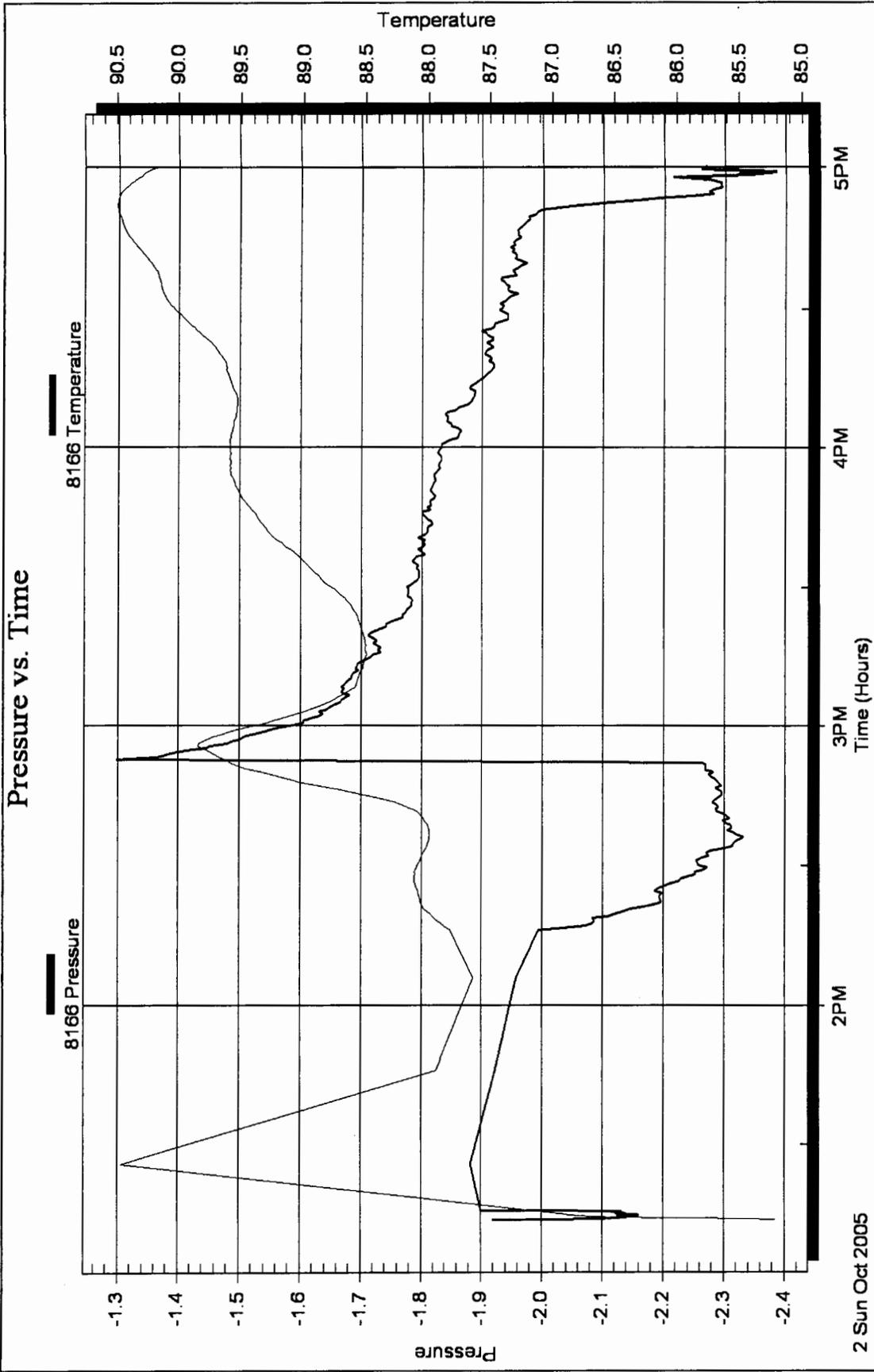
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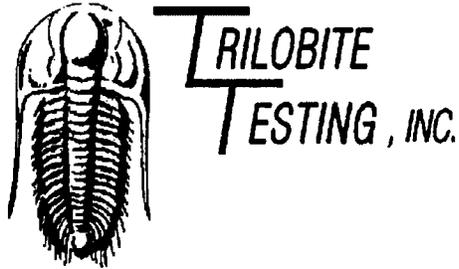
Serial #: 8166

Mai Oil Operations

15-12s-15w

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Rod Tremblay

**15-12s-15w**

**Haberer**

Start Date: 2005.10.03 @ 06:50:28

End Date: 2005.10.03 @ 12:46:13

Job Ticket #: 23572                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mai Oil Operations

Haberer

15-12s-15w

DST # 4

ARB

2005.10.03



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

PO Box 33  
Russell KS 67665

ATTN: Rod Tremblay

Haberer

15-12s-15w

Job Ticket: 23572

DST#: 4

Test Start: 2005.10.03 @ 06:50:28

### GENERAL INFORMATION:

Formation: **ARB**

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

Time Tool Opened: 09:20:28

Time Test Ended: 12:46:13

Test Type: **Conventional Bottom Hole**

Tester: **Michael**

Unit No: **22**

Interval: **3149.00 ft (KB) To 3194.00 ft (KB) (TVD)**

Total Depth: **3194.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1736.00 ft (KB)**

**1731.00 ft (CF)**

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

Serial #: **8166** Inside

Press@RunDepth: **16.04 psig @ 3153.00 ft (KB)**

Start Date: **2005.10.03**

End Date:

**2005.10.03**

Capacity: **7000.00 psig**

Last Calib.: **2005.10.03**

Start Time: **06:50:29**

End Time:

**12:46:13**

Time On Btm: **2005.10.03 @ 09:19:58**

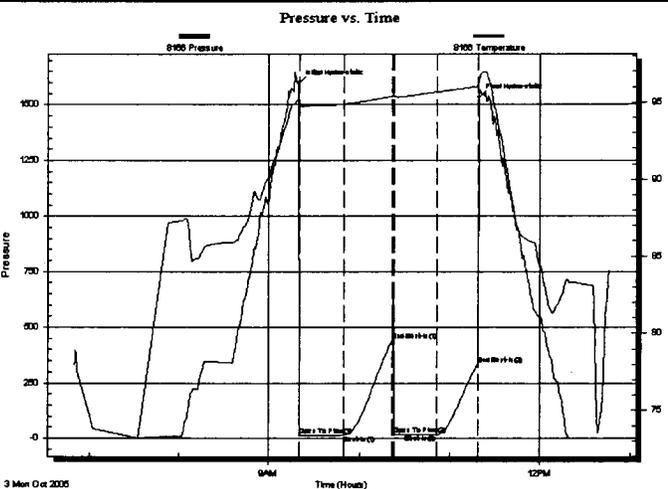
Time Off Btm: **2005.10.03 @ 11:18:58**

TEST COMMENT: **F- weak surface blow died 12m**

**IS- No blow**

**FF- No blow**

**FS- No blow**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.16	95.17	Initial Hydro-static
1	13.27	94.77	Open To Flow (1)
30	14.45	94.89	Shut-In (1)
62	441.49	95.38	End Shut-In (1)
63	16.11	95.34	Open To Flow (2)
92	16.04	95.66	Shut-In (2)
119	335.12	96.02	End Shut-In (2)
119	1533.82	96.37	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
7.00	Oil spotted Drilling mud 2%o 98%r	0.10
1.00	Clean oil	0.01

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations

Haberer

PO Box 33  
Russell KS 67665

15-12s-15w

ATTN: Rod Tremblay

Job Ticket: 23572

DST#: 4

Test Start: 2005.10.03 @ 06:50:28

### Tool Information

Drill Pipe:	Length: 3133.00 ft	Diameter: 3.80 inches	Volume: 43.95 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<b>Total Volume: 43.95 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3149.00 ft			Final 42000.00 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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3129.00	
Shut In Tool	5.00			3134.00	
Hydraulic tool	5.00			3139.00	
Packer	5.00			3144.00	21.00 Bottom Of Top Packer
Packer	5.00			3149.00	
Blank Spacing	1.00			3150.00	
Perforations	2.00			3152.00	
Change Over Sub	1.00			3153.00	
Recorder	0.00	8166	Inside	3153.00	
Drill Pipe	31.00			3184.00	
Change Over Sub	1.00			3185.00	
Recorder	0.00	10991	Outside	3185.00	
Perforations	6.00			3191.00	
Bullnose	3.00			3194.00	45.00 Bottom Packers & Anchor

**Total Tool Length: 66.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations

**Haberer**

PO Box 33  
Russell KS 67665

**15-12s-15w**

Job Ticket: 23572

**DST#: 4**

ATTN: Rod Tremblay

Test Start: 2005.10.03 @ 06:50:28

**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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
7.00	Oil spotted Drilling mud 2%o 98%o	0.098
1.00	Clean oil	0.014

Total Length: 8.00 ft      Total Volume: 0.112 bbl

Num Fluid Samples: 0

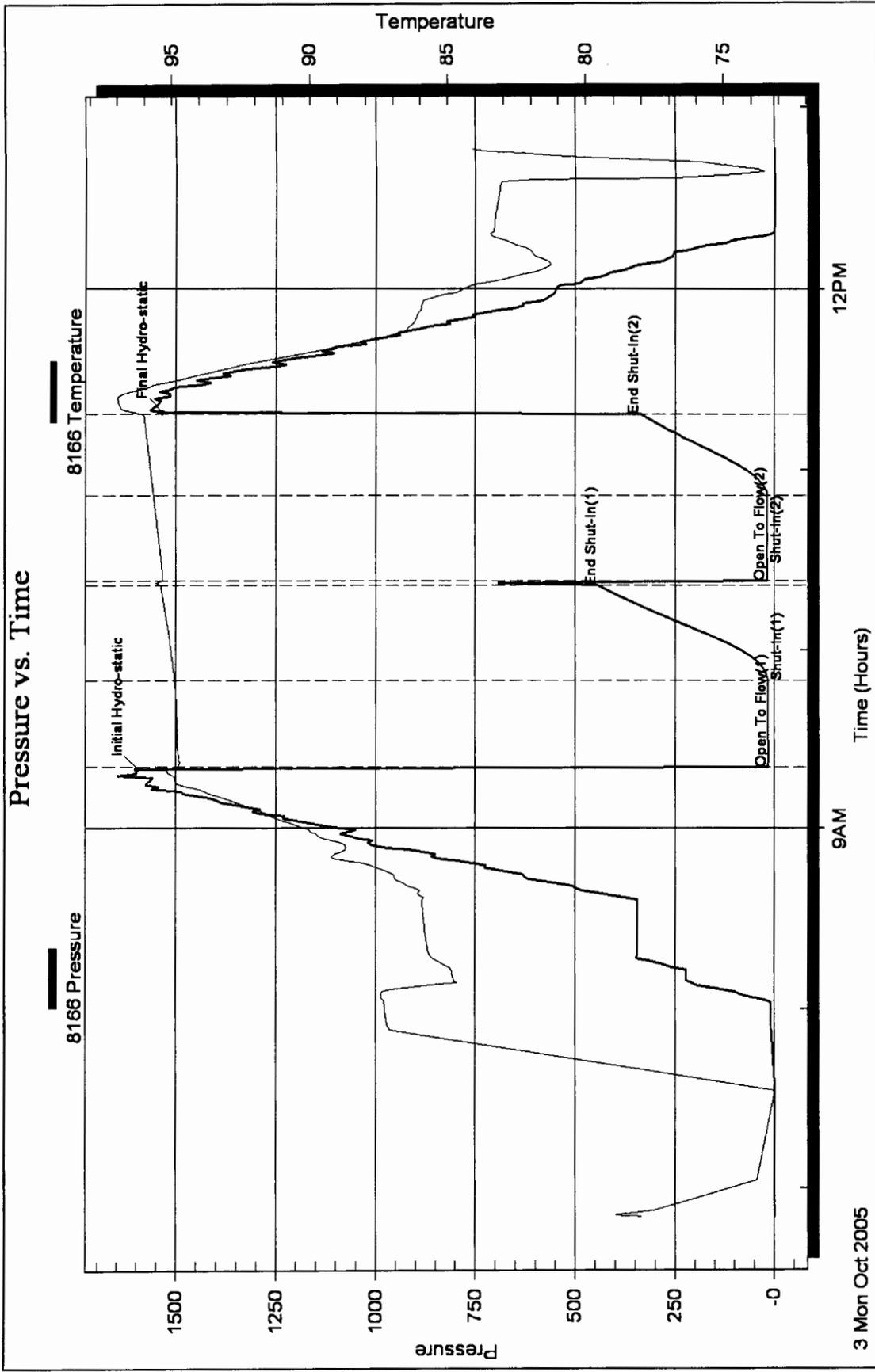
Num Gas Bombs: 0

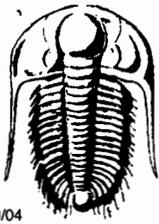
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TWV  
7965

No 23569

## Test Ticket

Well Name & No. Haberer 1-15 Test No. 1 Date 9-30-05  
 Company Mat Oil Oper Zone Tested Topeka  
 Address PO Box 33 Russell KS Elevation 1734 KB 1731 GL  
 Co. Rep / Geo. Rod Tremblay Cont. Murfin 16 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 15 Twp. 12S Rge. 15W Co. Russell State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 2734 - 2815 Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 44,000  
 Anchor Length 81 FT Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000  
 Top Packer Depth 2729 Tool Weight 2000  
 Bottom Packer Depth 2734 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 2815 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 30  
 Mud Wt. 9.2 LCM Tr Vis. 44 WL 8.8 Drill Pipe Size 4 1/2 Ft. Run 2701  
 Blow Description IF - Slow Building 8" Blow  
ISI - No Blow  
FF - Slow building 4" Blow  
FSI - No Blow

Recovery - Total Feet 184 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 184 Feet of Oil Spotted Drilling Mud %gas 1 %oil \_\_\_\_\_ %water 99 %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 93 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud		1348		8166	1000
(B) First Initial Flow Pressure		14		(depth) 2735	Jars
(C) First Final Flow Pressure		64		Recorder No. 11020	Safety Jt.
(D) Initial Shut-In Pressure		1070		(depth) 2814	Circ Sub
(E) Second Initial Flow Pressure		68		Recorder No.	Sampler
(F) Second Final Flow Pressure		99		(depth)	Straddle
(G) Final Shut-In Pressure		1064		Initial Opening 45	Ext. Packer
(Q) Final Hydrostatic Mud		1318		Initial Shut-In 60	Shale Packer

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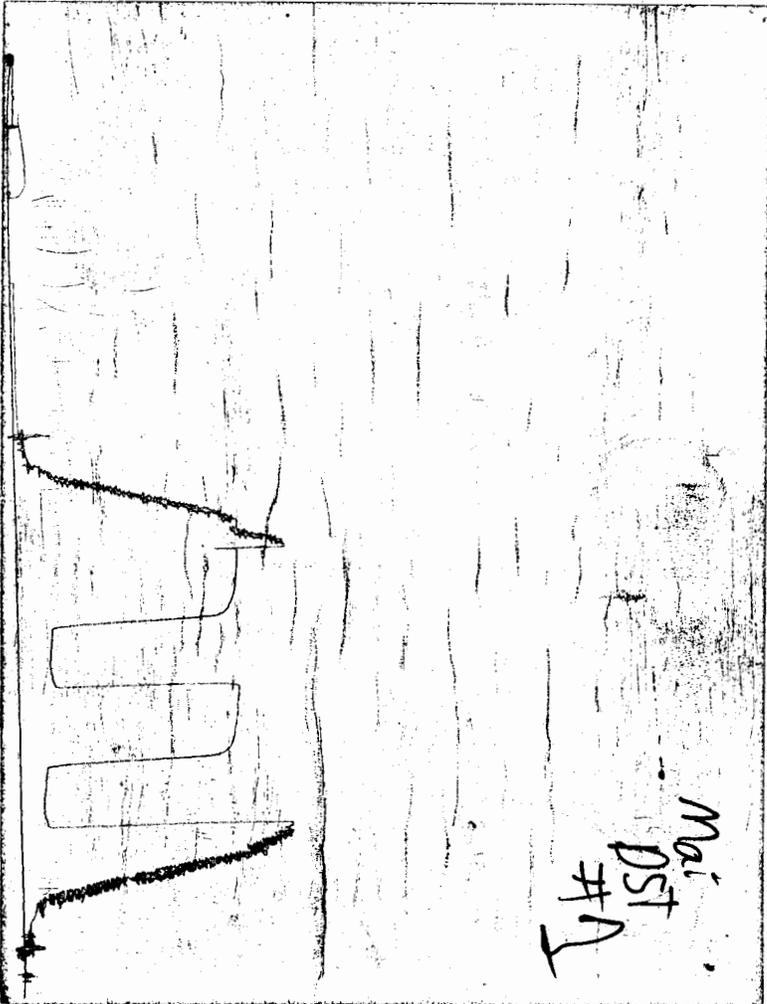
Approved By \_\_\_\_\_

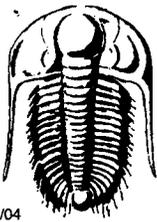
Our Representative Michael Unt22

Final Flow	45
Final Shut-In	60
T-On Location	14:00
T-Started	17:05
T-Open	18:55
T-Pulled	22:25
T-Out	23:30
Mileage	64
Sub Total:	1064
Std. By	
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 23570

## Test Ticket

Well Name & No. Haberer 1-15 Test No. 2 Date 10-01-05  
 Company Main Oil Operations Zone Tested LKC  
 Address \_\_\_\_\_ Elevation 1736 KB 1731 GL \_\_\_\_\_  
 Co. Rep / Geo. Ron Tremblay Cont. Murfin 16 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 15 Twp. 12s Rge. 15w Co. Russell State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 2873 - 2952 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 48,000  
 Anchor Length 79 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 55,000  
 Top Packer Depth 2868 Tool Weight 2000  
 Bottom Packer Depth 2873 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 2952 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 30  
 Mud Wt. 9.5 LCM Tr \_\_\_\_\_ Vis. \_\_\_\_\_ WL \_\_\_\_\_ Drill Pipe Size 4 1/2 Ft. Run 2828  
 Blow Description IF - BoFB 15m  
ISF - No Blow  
FF - BoFB 5m

Recovery - Total Feet 134 GIP 300 Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 134 Feet of Gassy oil cut Mud 9/16ter 37% gas 10 %oil 15 %water 38 %mud  
 Rec. 10 Feet of Gassy oil cut Mud 2 %gas 8 %oil %water 80 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 94 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides 30,000 ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

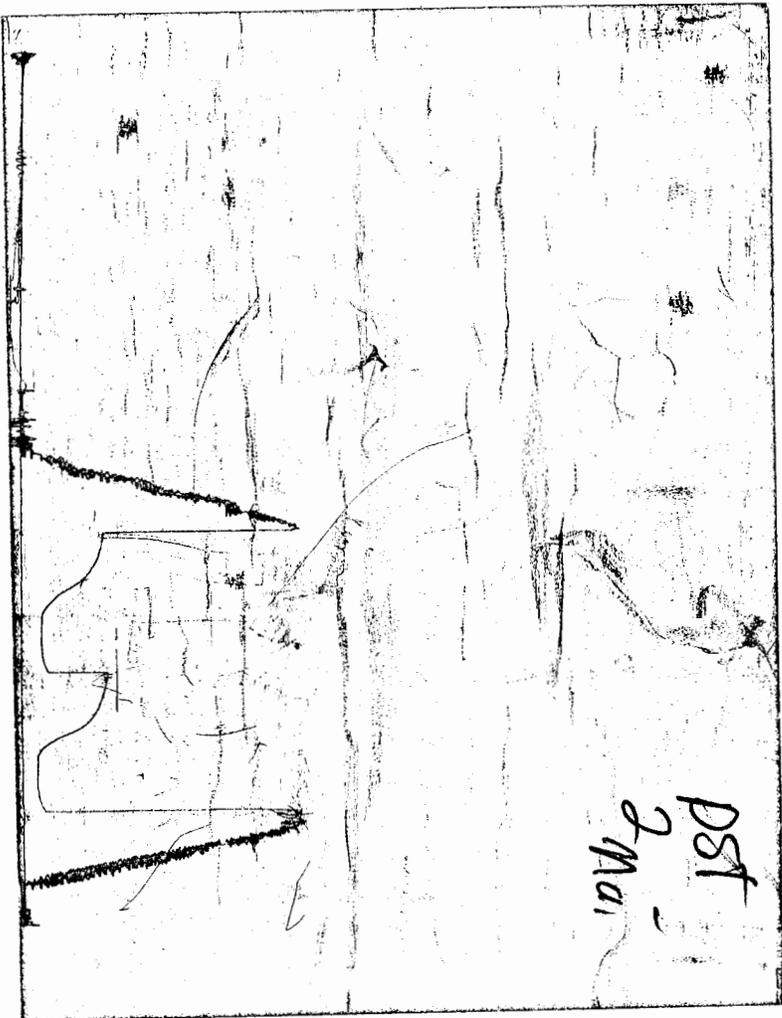
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		1424 PSI	8166	_____
(B) First Initial Flow Pressure		18 PSI	(depth) 2874	Jars _____
(C) First Final Flow Pressure		47 PSI	Recorder No. 11020	Safety Jt. _____
(D) Initial Shut-In Pressure		424 PSI	(depth) 2951	Circ Sub _____
(E) Second Initial Flow Pressure		42 PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		69 PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		410 PSI	Initial Opening 45	Ext. Packer _____
(Q) Final Hydrostatic Mud		1427 PSI	Initial Shut-In 60	Shale Packer _____
			Final Flow 45	Ruined Packer _____
			Final Shut-In 60	Mileage <u>64</u>
			T-On Location 12:00	Sub Total: <u>1064</u>
			T-Started 12:27	Std. By _____
			T-Open 13:50	Other _____
			T-Pulled 15:20	Total: _____
			T-Out _____	

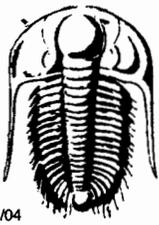
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Approved By \_\_\_\_\_  
 Our Representative Michael Untert

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23571

## Test Ticket

Well Name & No. Haberer 1-15 Test No. 3 Date 10-02-05  
 Company Mai Oil Op Zone Tested \_\_\_\_\_  
 Address \_\_\_\_\_ Elevation 1736 KB 1731 GL \_\_\_\_\_  
 Co. Rep / Geo. Ron Tremblay Cont. Murfin 16 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 15 Twp. 12S Rge. 15W Co. Aus. State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3019 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000  
 Anchor Length 3110 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 42,000  
 Top Packer Depth 3014 Tool Weight 2000  
 Bottom Packer Depth 3019 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3110 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 0  
 Mud Wt. 9.4 LCM 0 Vis. 52 WL 8.8 Drill Pipe Size 4 1/2 Ft. Run 3008

Blow Description IF - Weak Surface Blow  
ESI - No Blow  
EF - No Blow  
FSI - No Blow

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>12</u>	<u>Slightly D.I Spotted Drilling Mud</u>	<u>1</u>	<u>99</u>				
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 \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

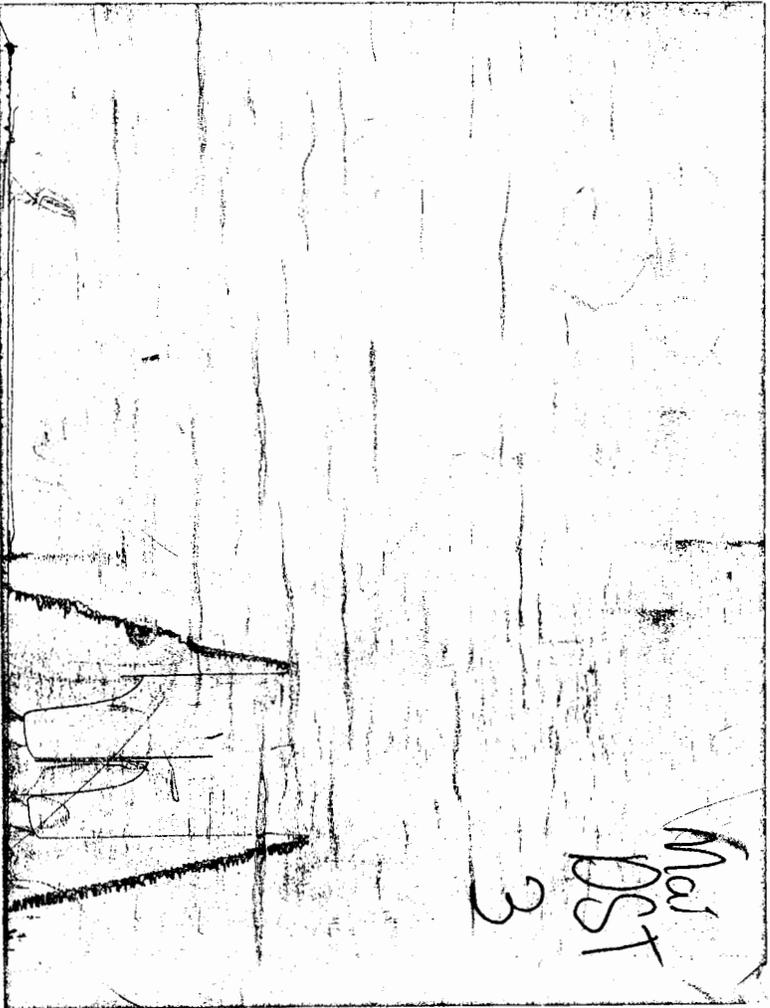
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1580</u>	PSI	<u>11020</u>	<u>No Electrical</u>
(B) First Initial Flow Pressure	<u>122</u>	PSI	(depth) <u>3109</u>	Jars Recorder <u>-150</u>
(C) First Final Flow Pressure	<u>102</u>	PSI	Recorder No. _____	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>729</u>	PSI	(depth) _____	Circ Sub _____
(E) Second Initial Flow Pressure	<u>102</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>92</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>709</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1482</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____

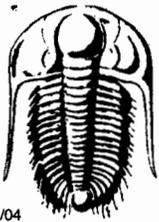
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Final Flow	<u>30</u>	Ruined Packer _____
Final Shut-In	<u>30</u>	Mileage <u>64</u>
T-On Location	<u>12:30</u>	Sub Total: <u>914</u>
T-Started	<u>13:13</u>	Std. By _____
T-Open	<u>14:45</u>	Other _____
T-Pulled	<u>16:45</u>	Total: _____
T-Out	<u>18:20</u>	

Approved By \_\_\_\_\_  
 Our Representative Michael Unit 22

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23572

## Test Ticket

Well Name & No. Haberer 1-15 Test No. 4 Date 10-03-05  
 Company Ma Oil Op Zone Tested ARB  
 Address \_\_\_\_\_ Elevation 1736 KB 1731 GL \_\_\_\_\_  
 Co. Rep / Geo. Ron Tremblay Cont. Murfin 16 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 15 Twp. 12s Rge. 15w Co. RS State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3149 - 3194 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,010  
 Anchor Length 45 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 52,000  
 Top Packer Depth 3144 Tool Weight 2,000  
 Bottom Packer Depth 3149 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3194 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 0  
 Mud Wt. 9.4 LCM 2# Vls. 52 WL 8.8 Drill Pipe Size 4.5 Ft. Run 3133  
 Blow Description IF - Weak Surface Blow Died 12m  
ISI - NO Blow  
FF - No Blow

Recovery - Total Feet 8 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 1 Feet of Clean Oil %gas 100 %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. 7 Feet of Oil Cut Mud %gas 2 %oil \_\_\_\_\_ %water 98 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 96 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1597</u> PSI	<u>8166</u>	<u>1000</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth) <u>3149</u>	Jars _____
(C) First Final Flow Pressure	<u>14</u> PSI	Recorder No. <u>11020</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>441</u> PSI	(depth) <u>3193</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>16</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>16</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>335</u> PSI	<b>Initial Opening</b> <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1534</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
		Final Flow <u>30</u>	Ruined Packer _____
		Final Shut-In <u>30</u>	Mileage <u>64</u> <u>64</u>
		<b>T-On Location</b> <u>4:40</u>	Sub Total: <u>1064</u>
		T-Started <u>6:50</u>	Std. By _____
		T-Open <u>9:20</u>	Other _____
		T-Pulled <u>11:20</u>	Total: _____
		T-Out <u>12:45</u>	

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Approved By \_\_\_\_\_  
 Our Representative Michael V. T22

**CHART PAGE**

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