

## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Kitt Noah

**2 12S 15W Russell KS**

**Saline River Ranch**

Start Date: 2006.10.01 @ 02:16:14

End Date: 2006.10.01 @ 09:23:19

Job Ticket #: 26223                      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

PO Box 33  
Russell KS 67665

ATTN: Kitt Noah

Saline River Ranch

2 12S 15W Russell KS

Job Ticket: 26223

DST#: 1

Test Start: 2006.10.01 @ 02:16:14

## GENERAL INFORMATION:

Formation: **LKC "B&C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:52:16

Time Test Ended: 09:23:19

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **2963.00 ft (KB) To 3005.00 ft (KB) (TVD)**

Total Depth: 3005.00 ft (KB) (TVD)

Hole Diameter: 7.82 inches Hole Condition: Good

Reference Elevations: 1791.00 ft (KB)

1786.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8288**

Inside

Press@RunDepth: 124.69 psig @ 2969.00 ft (KB)

Start Date: 2006.10.01

End Date:

2006.10.01

Start Time: 02:16:14

End Time:

09:23:20

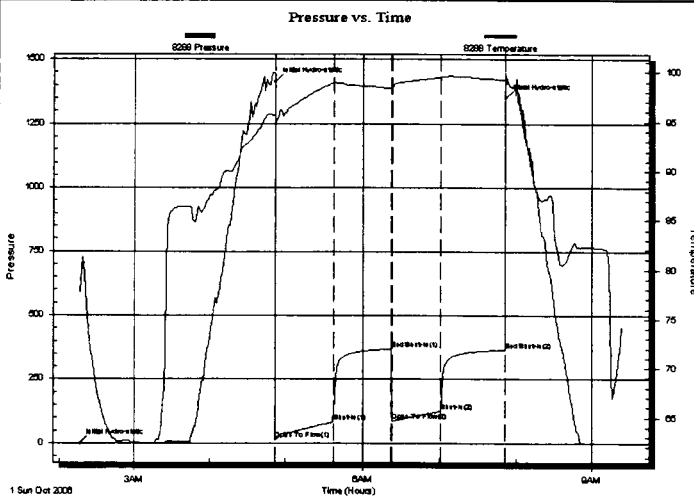
Capacity: 7000.00 psig

Last Calib.: 2006.10.01

Time On Btrn: 2006.10.01 @ 02:16:14

Time Off Btrn: 2006.10.01 @ 07:51:23

TEST COMMENT: IFP BOB in 28 min  
ISI No blow back  
FFP Weak blow built to 7"  
FSI No blow back



## PRESSURE SUMMARY

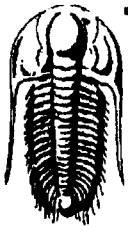
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-2.23	77.73	Initial Hydro-static
156	1412.43	95.68	Initial Hydro-static
157	15.90	94.75	Open To Flow (1)
202	82.61	98.93	Shut-In(1)
247	368.96	98.40	End Shut-In(1)
247	85.85	98.29	Open To Flow (2)
285	124.69	99.52	Shut-In(2)
336	365.29	99.26	End Shut-In(2)
336	1349.61	99.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
210.00	MW 15%M 85%W	2.68

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mai Oil Operations

**Saline River Ranch**

PO Box 33  
Russell KS 67665

**2 12S 15W Russell KS**

Job Ticket: 26223      **DST#: 1**

ATTN: Kitt Noah

Test Start: 2006.10.01 @ 02:16:14

### Tool Information

Drill Pipe:	Length: 2924.00 ft	Diameter: 3.82 inches	Volume: 41.45 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 41.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2963.00 ft			Final 41000.00 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			2943.00	
Shut In Tool	5.00			2948.00	
Hydraulic tool	5.00			2953.00	
Packer	5.00			2958.00	21.00      Bottom Of Top Packer
Packer	5.00			2963.00	
Stubb	1.00			2964.00	
Perforations	5.00			2969.00	
Recorder	0.00	8288	Inside	2969.00	
Perforations	33.00			3002.00	
Recorder	0.00	3351	Inside	3002.00	
Bullnose	3.00			3005.00	42.00      Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations  
PO Box 33  
Russell KS 67665  
ATTN: Kitt Noah

**Saline River Ranch**  
**2 12S 15W Russell KS**  
Job Ticket: 26223      **DST#: 1**  
Test Start: 2006.10.01 @ 02:16:14

**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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

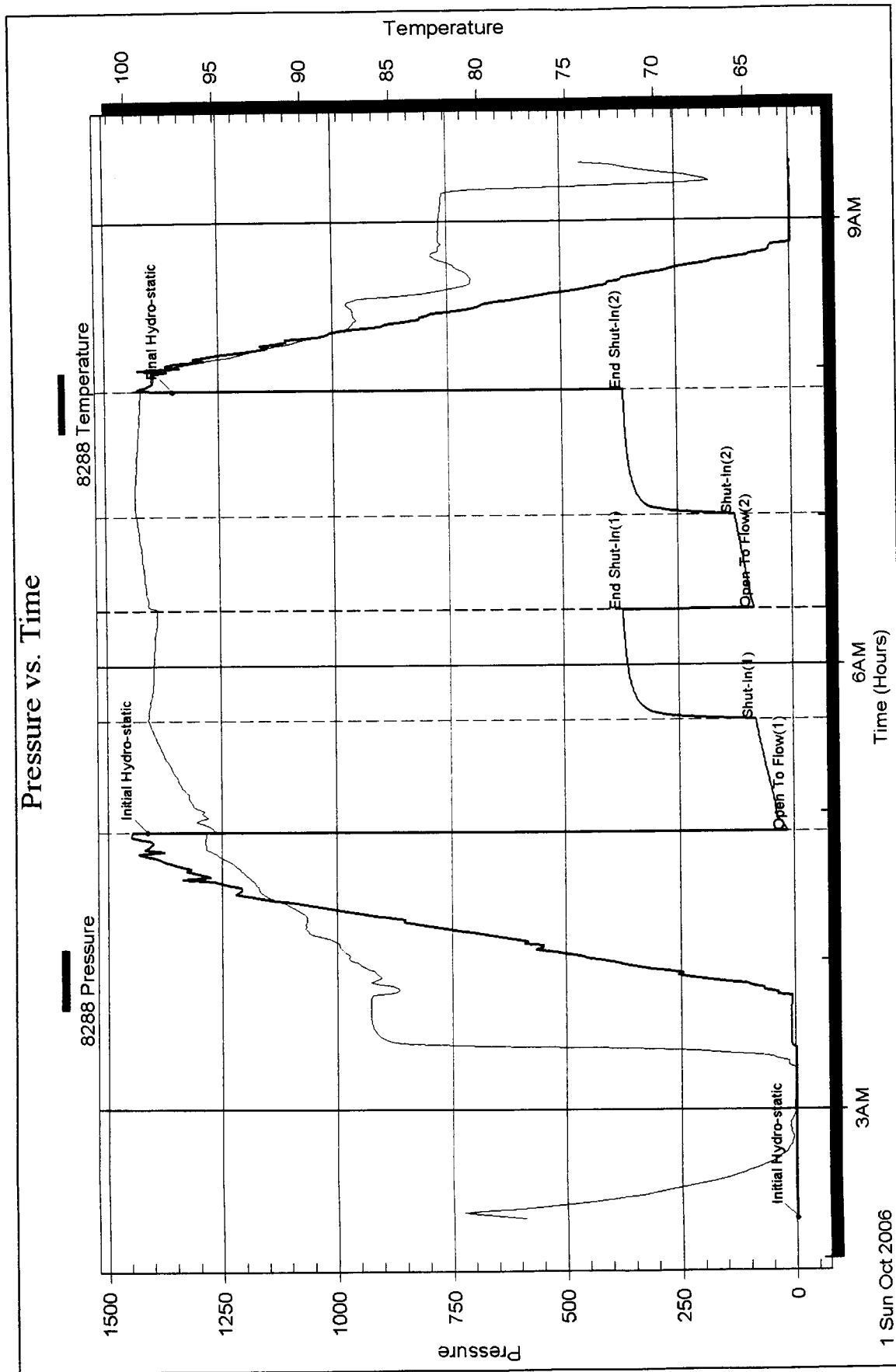
**Recovery Information**

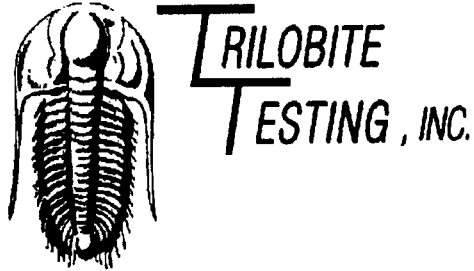
Recovery Table

Length ft	Description	Volume bbl
210.00	MW 15%M 85%W	2.681

Total Length: 210.00 ft      Total Volume: 2.681 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Kitt Noah

**2 12S 15W Russell KS**

**Saline River Ranch**

Start Date: 2006.10.01 @ 16:03:20

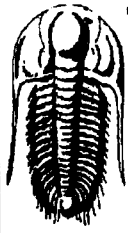
End Date: 2006.10.01 @ 23:57:20

Job Ticket #: 26224                      DST #: 2

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# DRILL STEM TEST REPORT

Mai Oil Operations  
PO Box 33  
Russell KS 67665  
ATTN: Kitt Noah

**Saline River Ranch**  
**2 12S 15W Russell KS**  
Job Ticket: 26224      **DST#: 2**  
Test Start: 2006.10.01 @ 16:03:20

## GENERAL INFORMATION:

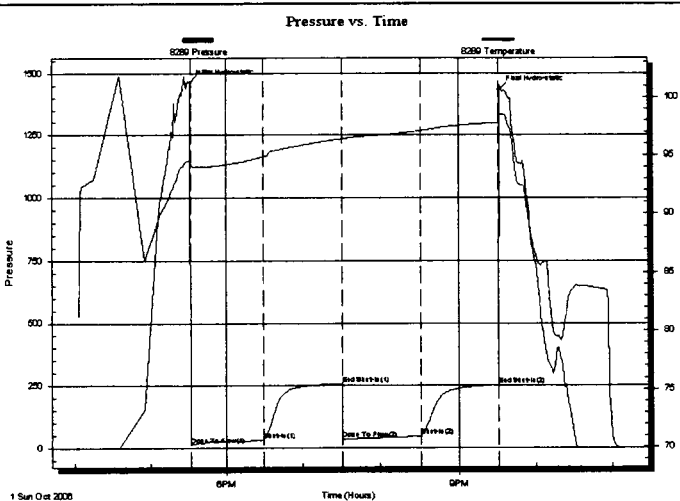
Formation: **LKC "E&F"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:18:20  
 Time Test Ended: 23:57:20  
 Test Type: Conventional Bottom Hole  
 Tester: Tyson Flax  
 Unit No: 21  
 Interval: **3011.00 ft (KB) To 3040.00 ft (KB) (TVD)**  
 Reference Elevations: 1791.00 ft (KB)  
 Total Depth: 3040.00 ft (KB) (TVD)  
 1786.00 ft (CF)  
 Hole Diameter: 7.82 inches Hole Condition: Good  
 KB to GR/CF: 5.00 ft

## Serial #: 8289

Inside

Press@RunDepth: 45.48 psig @ 3017.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2006.10.01      End Date: 2006.10.01      Last Calib.: 2006.10.02  
 Start Time: 16:03:25      End Time: 23:07:19      Time On Btrm: 2006.10.01 @ 17:31:50  
 Time Off Btrm: 2006.10.01 @ 21:31:19

TEST COMMENT: IFP Weak surface blow built to 5 "  
 ISI No blow back  
 FFP Weak surface blow built to 4.5 "  
 FSI No blow back



## PRESSURE SUMMARY

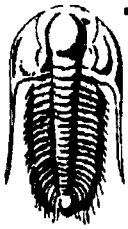
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1462.02	94.48	Initial Hydro-static
1	13.32	94.15	Open To Flow (1)
58	31.13	94.88	Shut-In(1)
119	256.14	96.38	End Shut-In(1)
119	34.03	96.37	Open To Flow (2)
179	45.48	97.10	Shut-In(2)
239	251.62	97.79	End Shut-In(2)
240	1431.21	98.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	MO 90%O 10%M	0.02
45.00	OCWM 20%O 10%W 70%M	0.39
30.00	VSOCWM 5%O 15%W 80%M	0.43

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mai Oil Operations

**Saline River Ranch**

PO Box 33  
Russell KS 67665

**2 12S 15W Russell KS**

Job Ticket: 26224      **DST#: 2**

ATTN: Kitt Noah

Test Start: 2006.10.01 @ 16:03:20

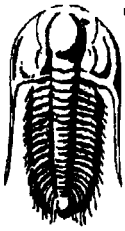
**Tool Information**

Drill Pipe:	Length: 2987.00 ft	Diameter: 3.82 inches	Volume: 42.34 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 42.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3011.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	50.00 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			2991.00	
Shut In Tool	5.00			2996.00	
Hydraulic tool	5.00			3001.00	
Packer	5.00			3006.00	21.00      Bottom Of Top Packer
Packer	5.00			3011.00	
Stubb	1.00			3012.00	
Perforations	5.00			3017.00	
Recorder	0.00	8289	Inside	3017.00	
Perforations	20.00			3037.00	
Recorder	0.00	3351	Inside	3037.00	
Bullnose	3.00			3040.00	29.00      Bottom Packers & Anchor

**Total Tool Length: 50.00**



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mai Oil Operations

**Saline River Ranch**

PO Box 33  
Russell KS 67665

**2 12S 15W Russell KS**

Job Ticket: 26224

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2006.10.01 @ 16:03:20

## 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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MO 90%O 10%M	0.025
45.00	OCWM 20%O 10%W 70%M	0.388
30.00	VSOCWM 5%O 15%W 80%M	0.425

Total Length: 80.00 ft      Total Volume: 0.838 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

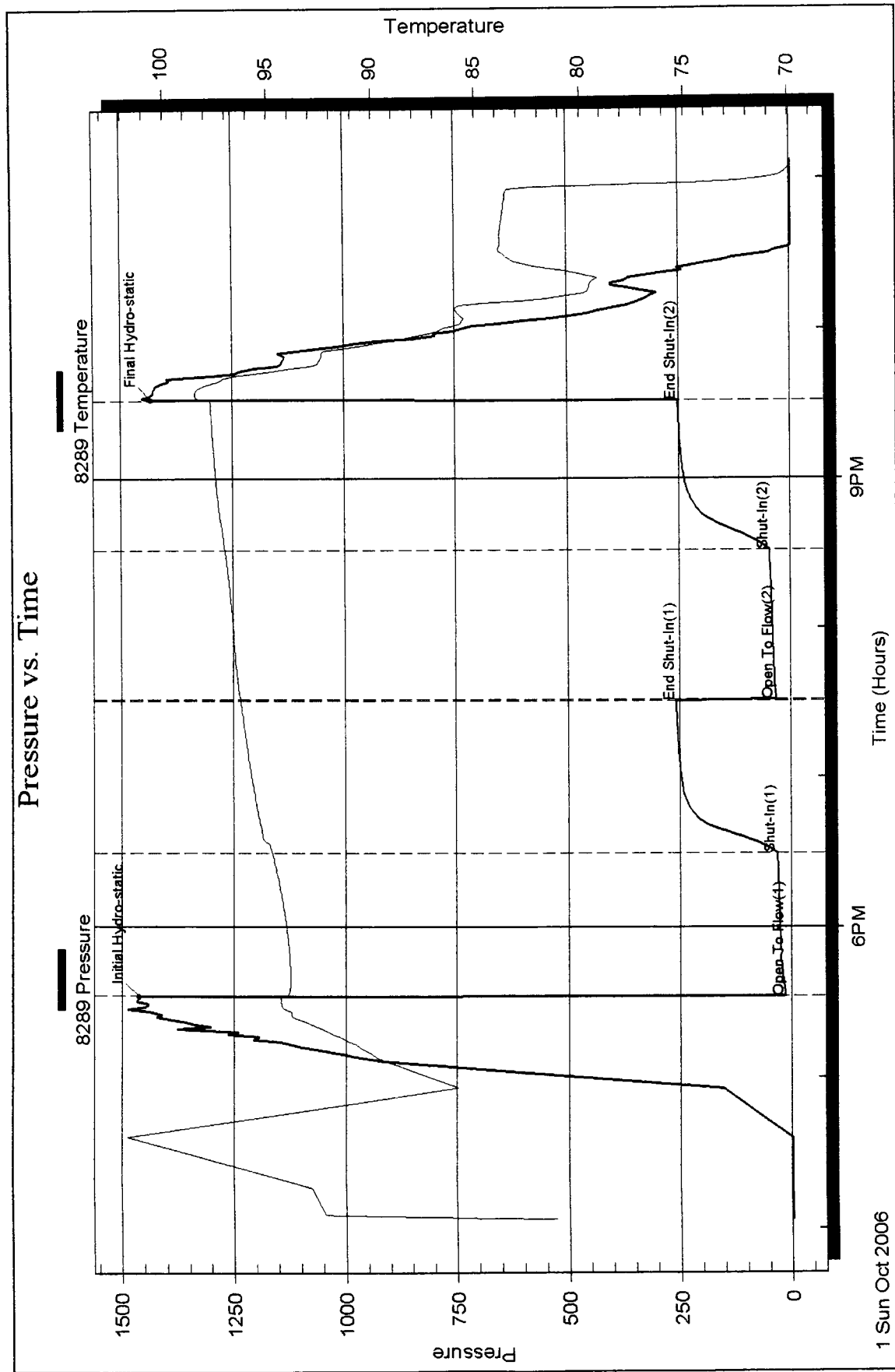
Serial #:

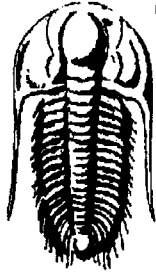
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

PO Box 33  
Russell KS 67665

ATTN: Kitt Noah

**2 12S 15W Russell KS**

**Saline River Ranch**

Start Date: 2006.10.02 @ 12:05:34

End Date: 2006.10.02 @ 18:29:04

Job Ticket #: 26225                      DST #: 3

Trilobite Testing, Inc

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



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TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations

Saline River Ranch

PO Box 33  
Russell KS 67665

2 12S 15W Russell KS

ATTN: Kitt Noah

Job Ticket: 26225

DST#: 3

Test Start: 2006.10.02 @ 12:05:34

## GENERAL INFORMATION:

Formation: **LKC "I-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:03:04

Time Test Ended: 18:29:04

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3099.00 ft (KB) To 3180.00 ft (KB) (TVD)**

Total Depth: 3180.00 ft (KB) (TVD)

Hole Diameter: 7.82 inches Hole Condition: Good

Reference Elevations: 1791.00 ft (KB)

1786.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8289**

Inside

Press@RunDepth: 34.87 psig @ 3103.00 ft (KB)

Start Date: 2006.10.02

End Date:

2006.10.02

Start Time: 12:05:39

End Time:

18:29:03

Capacity: 7000.00 psig

Last Calib.: 2006.10.02

Time On Btm: 2006.10.02 @ 14:02:34

Time Off Btm: 2006.10.02 @ 17:01:33

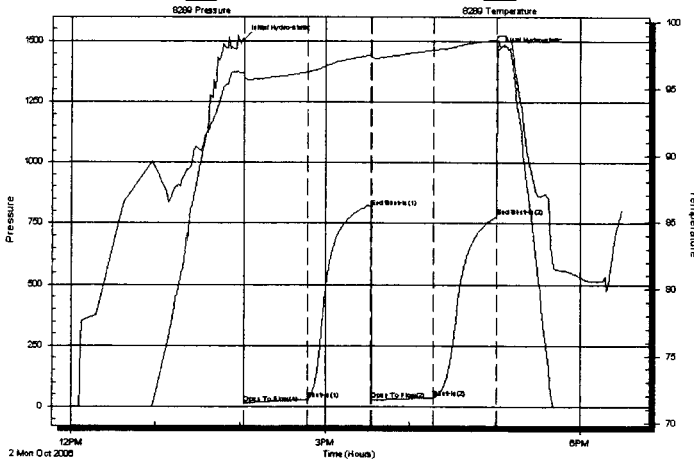
TEST COMMENT: IFF Weak surface blow built to 2 "

JISI No blow back

FFP Weak surface blow throughout

FSI No blow back

Pressure vs. Time



## PRESSURE SUMMARY

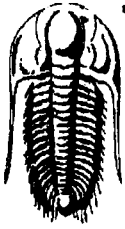
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.08	96.17	Initial Hydro-static
1	13.55	95.80	Open To Flow (1)
45	27.25	96.28	Shut-In(1)
90	816.83	97.51	End Shut-In(1)
90	28.64	97.37	Open To Flow (2)
135	34.87	97.91	Shut-In(2)
179	780.11	98.68	End Shut-In(2)
179	1460.16	99.02	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	VSOCWM 2%O 48%W 50%M	0.07
30.00	WM 20%W 80%M	0.27

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Mai Oil Operations

**Saline River Ranch**

PO Box 33  
Russell KS 67665

**2 12S 15W Russell KS**

Job Ticket: 26225      **DST#: 3**

ATTN: Kitt Noah

Test Start: 2006.10.02 @ 12:05:34

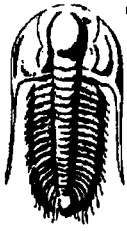
**Tool Information**

Drill Pipe:	Length: 3050.00 ft	Diameter: 3.82 inches	Volume: 43.24 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 43.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3099.00 ft			Final 42000.00 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			3079.00	
Shut In Tool	5.00			3084.00	
Hydraulic tool	5.00			3089.00	
Packer	5.00			3094.00	21.00      Bottom Of Top Packer
Packer	5.00			3099.00	
Stubb	1.00			3100.00	
Perforations	3.00			3103.00	
Recorder	0.00	8289	Inside	3103.00	
Change Over Sub	1.00			3104.00	
Blank Spacing	62.00			3166.00	
Change Over Sub	1.00			3167.00	
Perforations	10.00			3177.00	
Recorder	0.00	3351	Inside	3177.00	
Bullnose	3.00			3180.00	81.00      Bottom Packers & Anchor

**Total Tool Length: 102.00**



**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Mai Oil Operations  
PO Box 33  
Russell KS 67665  
ATTN: Kitt Noah

**Saline River Ranch**  
**2 12S 15W Russell KS**  
Job Ticket: 26225      DST#: 3  
Test Start: 2006.10.02 @ 12:05:34

**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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4900.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
15.00	VSOCWM 2%O 48%W 50%M	0.074
30.00	WM 20%W 80%M	0.268

Total Length: 45.00 ft      Total Volume: 0.342 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

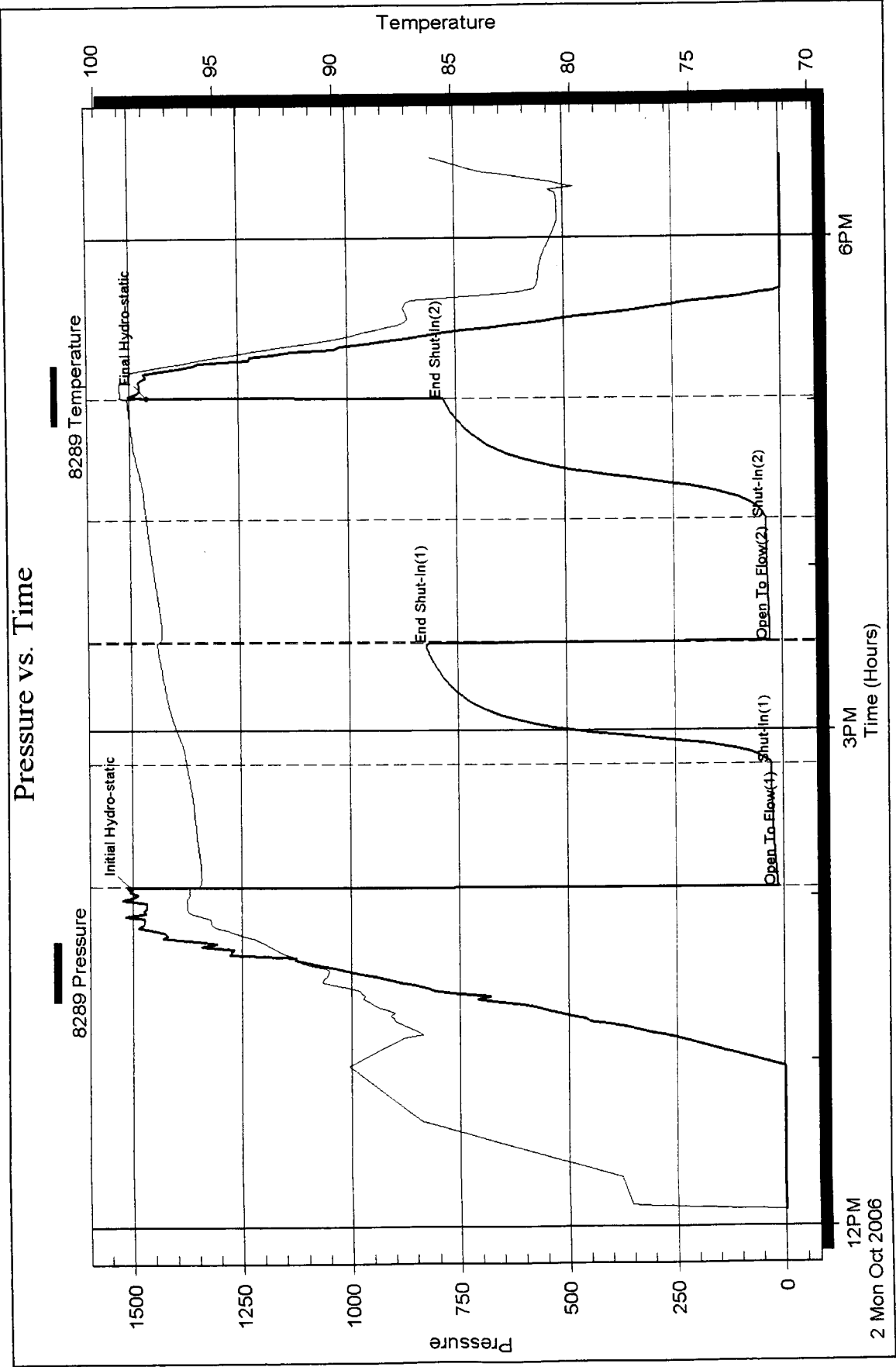
Serial #: 8289

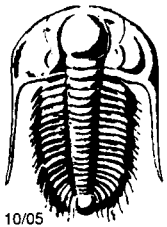
Inside

Ma Oil Operations

2 12S 15W Russell KS

DST Test Number: 3





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9234

26223

## Test Ticket

Well Name & No. Saline River Ranch Test No. 1 Date 10/1/06  
 Company Mar Oil Operations Inc Zone Tested LKC "B-C"  
 Address P.O. box 33 Russell, Ks 67665 Elevation 1791 KB 1784 GL  
 Co. Rep / Geo. Kitt Nash Rig Murfin #16  
 Location: Sec. 2 Twp. 12S Rge. 15W Co. Russell State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 2963 - 3005 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 42000  
 Anchor Length 42' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 42000  
 Top Packer Depth 2958 Tool Weight 2200  
 Bottom Packer Depth 2963 Hole Size 7 7/8" \_\_\_\_\_ Rubber Size 6 3/4" \_\_\_\_\_  
 Total Depth 3005 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 32'  
 Mud Wt. 8.8 LCM \_\_\_\_\_ Vis. 57 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 2924

Blow Description IFP - BOB in 28 min  
ISI - no blow back  
FFP - weak blow built to 7"  
FSI - no blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>210</u>		<u>32</u>	<u>178</u>
Rec. <u>210</u>	Feet of <u>MW</u>	%gas _____ %oil _____	<u>85</u> %water <u>15</u> %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 _____	*API D @ _____	*F Corrected Gravity _____ *API _____
RW _____ @ _____	*F Chlorides <u>60000</u> ppm	Recovery _____	Chlorides <u>4800</u> ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>1412</u> PSI	<u>1412</u> PSI	<u>8288</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>16</u> PSI	<u>16</u> PSI	(depth) <u>2969</u>	Jars _____
(C) First Final Flow Pressure	<u>83</u> PSI	<u>83</u> PSI	Recorder No. <u>3351</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>369</u> PSI	<u>369</u> PSI	(depth) <u>3002</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>86</u> PSI	<u>86</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>125</u> PSI	<u>125</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>365</u> PSI	<u>365</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1408</u> PSI	<u>1408</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>X 92.50</u>

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Approved By Kitt Nash  
 Our Representative [Signature]

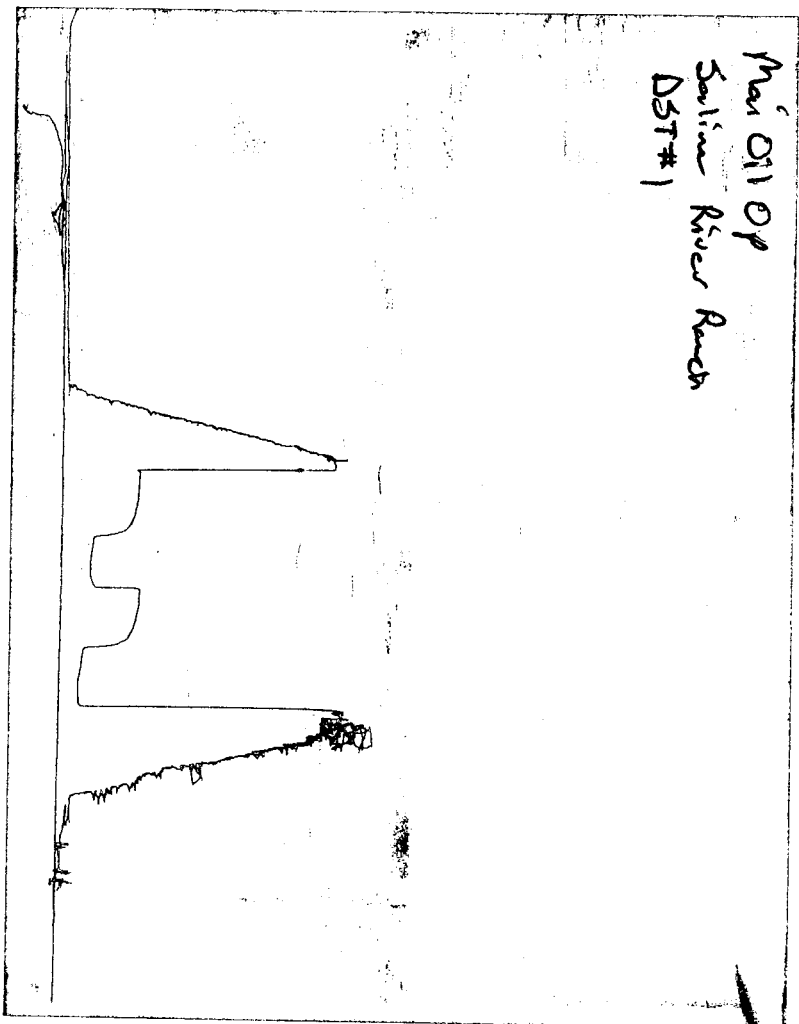
T-On Location	T-Started	T-Open	T-Pulled	T-Out
<u>02:08</u>	<del>02:04</del> <u>02:16</u>	<u>04:54</u>	<u>07:54</u>	<u>09:25</u>

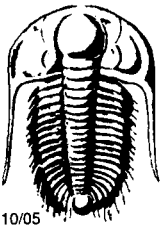
Sub Total: 1192.50  
 Std. By \_\_\_\_\_  
 Acc. Chg: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Total: \_\_\_\_\_

**CHART PAGE**

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

Max Oil Op  
Sullivan River Ranch  
DST#1





# TRILOBITE TESTING INC.

26224

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Saline River Ranch Test No. 2 Date 10/11/06  
 Company Mai Oil Operations, Inc Zone Tested LKC "E+F"  
 Address P.O. Box 33 Russell, KS 67665 Elevation 1791 KB 1786 GL  
 Co. Rep / Geo. Kitt Noah Rig Murfin #16  
 Location: Sec. 2 Twp. 12<sup>s</sup> Rge. 15<sup>w</sup> Co. Russell State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3011 - 3040 Initial Str Wt./Lbs. 40000 Unseated Str Wt/Lbs. 40000  
 Anchor Length 29' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 42000  
 Top Packer Depth 3006 Tool Weight 2200  
 Bottom Packer Depth 3011 Hole Size 7 7/8" \_\_\_\_\_ Rubber Size 6 3/4" \_\_\_\_\_  
 Total Depth 3040 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 32  
 Mud Wt. 9.3 LCM \_\_\_\_\_ Vis. 48 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 2987

Blow Description IFP - weak surface blow built to 5"  
ISI - no blow back  
FFP - weak surface blow built to 4.5"  
FSI - no blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>75</u>		<u>32</u>	<u>43</u>
Rec. <u>5</u>	Feet of <u>MO</u>	%gas <u>90</u> %oil _____ %water <u>10</u> %mud _____	
Rec. <u>45</u>	Feet of <u>OCWM</u>	%gas <u>20</u> %oil <u>10</u> %water <u>70</u> %mud _____	
Rec. <u>30</u>	Feet of <u>USOCWM</u>	%gas <u>5</u> %oil <u>15</u> %water <u>80</u> %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>98</u>	*F Gravity <u>42</u>	*API D @ <u>80</u>	*F Corrected Gravity <u>40</u> *API _____
RW _____ @ _____ *F _____	Chlorides _____ ppm	Recovery _____	Chlorides <u>4900</u> ppm System _____

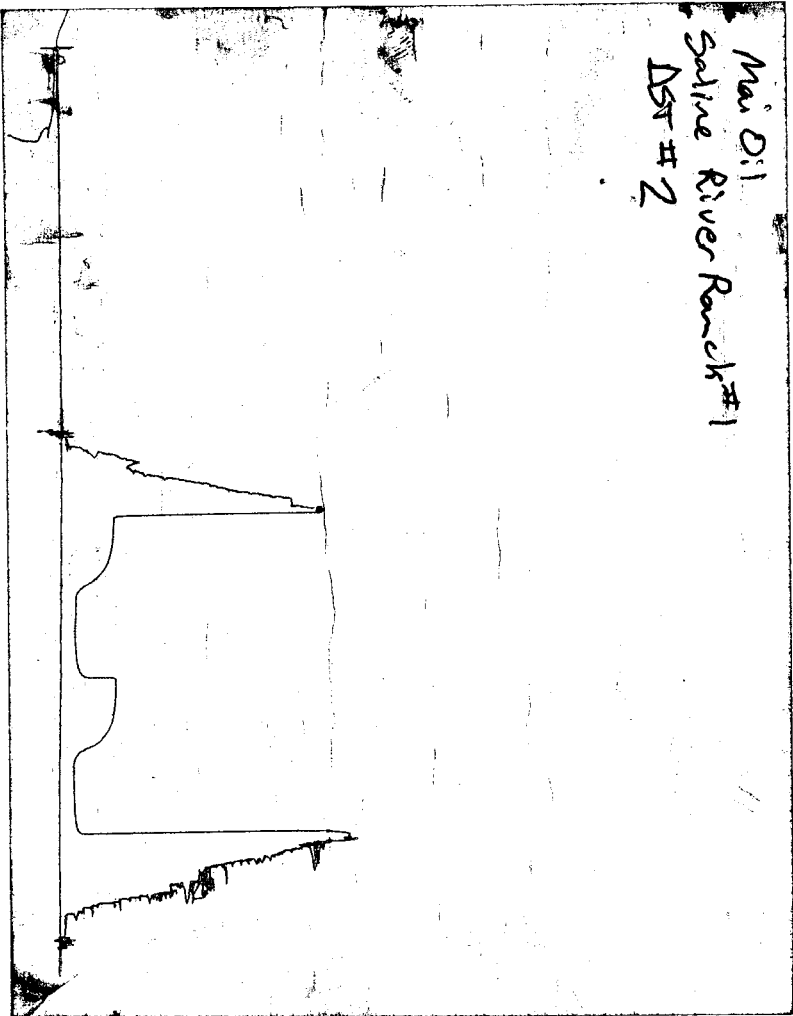
	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>1465</u>	PSI	<u>8289</u>	<u>110V</u>
(B) First Initial Flow Pressure	<u>13</u>	PSI	(depth) <u>3017</u>	Jars _____
(C) First Final Flow Pressure	<u>31</u>	PSI	Recorder No. <u>3351</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>256</u>	PSI	(depth) <u>3037</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>34</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>45</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>252</u>	PSI	Initial Opening <u>60</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1439</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>x 925074</u>
			T-On Location <u>16:01</u>	Sub Total: <u>1192.50</u>
			T-Started <u>16:03</u>	Std. By _____
			T-Open <u>18:18</u>	Acc. Chg: _____
			T-Pulled <u>22:18</u>	Other: _____
			T-Out <u>23:07</u>	Total: _____

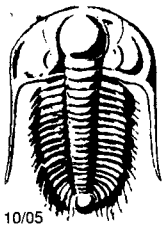
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Approved By Kitt Noah  
 Our Representative [Signature]

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26225

## Test Ticket

Well Name & No. Saline River Ranch #1 Test No. 3 Date 10/2/04  
 Company Ma Oil Operations, Inc Zone Tested LKC "I-K"  
 Address P.O. Box 33 Russell, KS 67665 Elevation 1791 KB 1786 GL  
 Co. Rep / Geo. Kirt Noah Rig Murfin #14  
 Location: Sec. 2 Twp. 12 S Rge. 15 W Co. Russell State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3099 - 3180 Initial Str Wt./Lbs. 42000 Unseated Str Wt/Lbs. 42000  
 Anchor Length 81' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000  
 Top Packer Depth 3094 Tool Weight 2200  
 Bottom Packer Depth 3099 Hole Size 7 7/8" \_\_\_\_\_ Rubber Size 6 3/4" \_\_\_\_\_  
 Total Depth 3180 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 32  
 Mud Wt. 9.1 LCM \_\_\_\_\_ Vis. 46 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3050  
 Blow Description IFP - weak surface blow built to 2"  
ISI - no blow back  
FFP - weak surface blow throughout  
FSI - no blow back

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>45</u>		<u>32</u>	<u>17</u>
Rec. <u>15</u>	Feet of <u>VSOCWM</u>	%gas <u>2</u> %oil <u>48</u> %water <u>50</u> %mud	
Rec. <u>30</u>	Feet of <u>WM</u>	%gas _____ %oil <u>20</u> %water <u>80</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>98.7</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>4900</u> ppm System _____

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud	<u>1504</u>	PSI	<u>8289</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>14</u>	PSI	(depth) <u>3103</u>	Jars _____
(C) First Final Flow Pressure	<u>27</u>	PSI	Recorder No. <u>3351</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>817</u>	PSI	(depth) <u>3177</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>29</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>35</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>780</u>	PSI	<b>Initial Opening</b> <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1478</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>X 92 50 74</u>
			<b>T-On Location</b> <u>11:50</u>	Sub Total: <u>1192 50</u>
			T-Started <u>12:05</u>	Std. By _____
			T-Open <u>14:02</u>	Acc. Chg: _____
			T-Pulled <u>17:02</u>	Other: _____
			T-Out <u>18:29</u>	Total: _____

Approved By Kirt Noah  
 Our Representative Ky Hyl

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**CHART PAGE**

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Med 011  
Saline River Runks  
DST # 3

