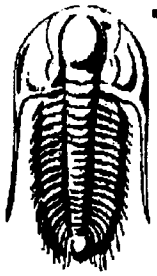
15-009-24882

8-16s-11w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc.**

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

8-16s-11w Barton

O'Leary #6

Start Date: 2005.11.20 @ 01:42:08
End Date: 2005.11.20 @ 08:37:37
Job Ticket #: 22733 DST #: 1

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

DRILL STEM TEST REPORT

Mai Oil Operations Inc.

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

O'Leary #6

8-16s-11w Barton

Job Ticket: 22733 **DST#: 1**

Test Start: 2005.11.20 @ 01:42:08

GENERAL INFORMATION:

Formation: **LKC "A,B,C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:36:07
Time Test Ended: 08:37:37

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank,Ray S
Unit No: 28

Interval: 2956.00 ft (KB) To 3008.00 ft (KB) (TVD)
Total Depth: 3008.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

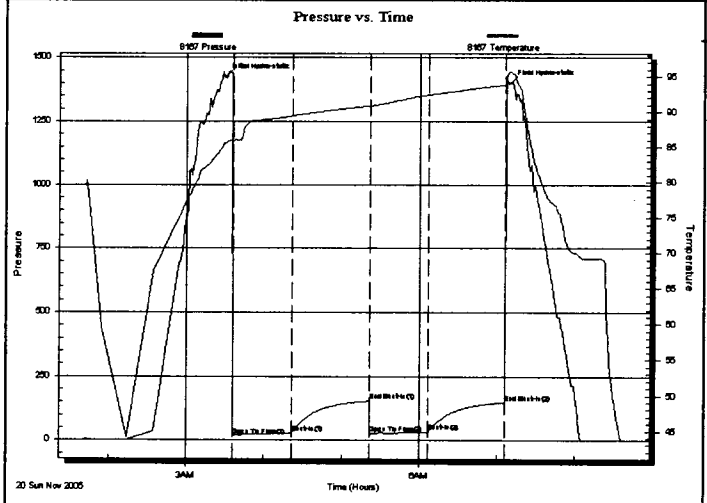
Reference Elevations: 1812.00 ft (KB)
1807.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 33.47 psig @ 2958.01 ft (KB)
Start Date: 2005.11.20 End Date: 2005.11.20
Start Time: 01:42:08 End Time: 08:37:37

Capacity: 7000.00 psig
Last Calib.: 2005.11.20
Time On Btm: 2005.11.20 @ 03:29:37
Time Off Btm: 2005.11.20 @ 07:09:37

TEST COMMENT: IFP - botton in 22 min.
FFP - bottom in 27 min.
no blow on shut in
time - 45 - 60 - 45 - 60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1423.65	85.58	Initial Hydro-static
7	16.58	85.84	Open To Flow (1)
52	26.75	89.46	Shut-In(1)
112	153.56	90.87	End Shut-In(1)
112	26.52	90.81	Open To Flow (2)
157	33.47	92.43	Shut-In(2)
217	148.58	93.83	End Shut-In(2)
220	1399.08	95.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	mud w/ show of oil	0.29
0.00	245 gip	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc.

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

O'Leary #6

8-16s-11w Barton

Job Ticket: 22733 **DST#: 1**

Test Start: 2005.11.20 @ 01:42:08

Tool Information

Drill Pipe:	Length:	2928.00 ft	Diameter:	3.80 inches	Volume:	41.07 bbl	Tool Weight:		2200.00 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:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		51000.00 lb
					Total Volume:	41.22 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		22.00 ft					String Weight:	Initial	47000.00 lb
Depth to Top Packer:		2956.00 ft						Final	48000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		52.02 ft							
Tool Length:		72.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			2941.00		
Hydraulic tool	5.00			2946.00		
Packer	5.00			2951.00	20.00	Bottom Of Top Packer
Packer	5.00			2956.00		
Stubb	1.00			2957.00		
Perforations	1.00			2958.00		
Recorder	0.01	8167	Inside	2958.01		
Blank Spacing	32.00			2990.01		
Perforations	15.00			3005.01		
Recorder	0.01	13534	Outside	3005.02		
Bullnose	3.00			3008.02	52.02	Bottom Packers & Anchor
Total Tool Length:	**72.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc.

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

O'Leary #6

8-16s-11w Barton

Job Ticket: 22733 **DST#: 1**

Test Start: 2005.11.20 @ 01:42:08

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:	10.74 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

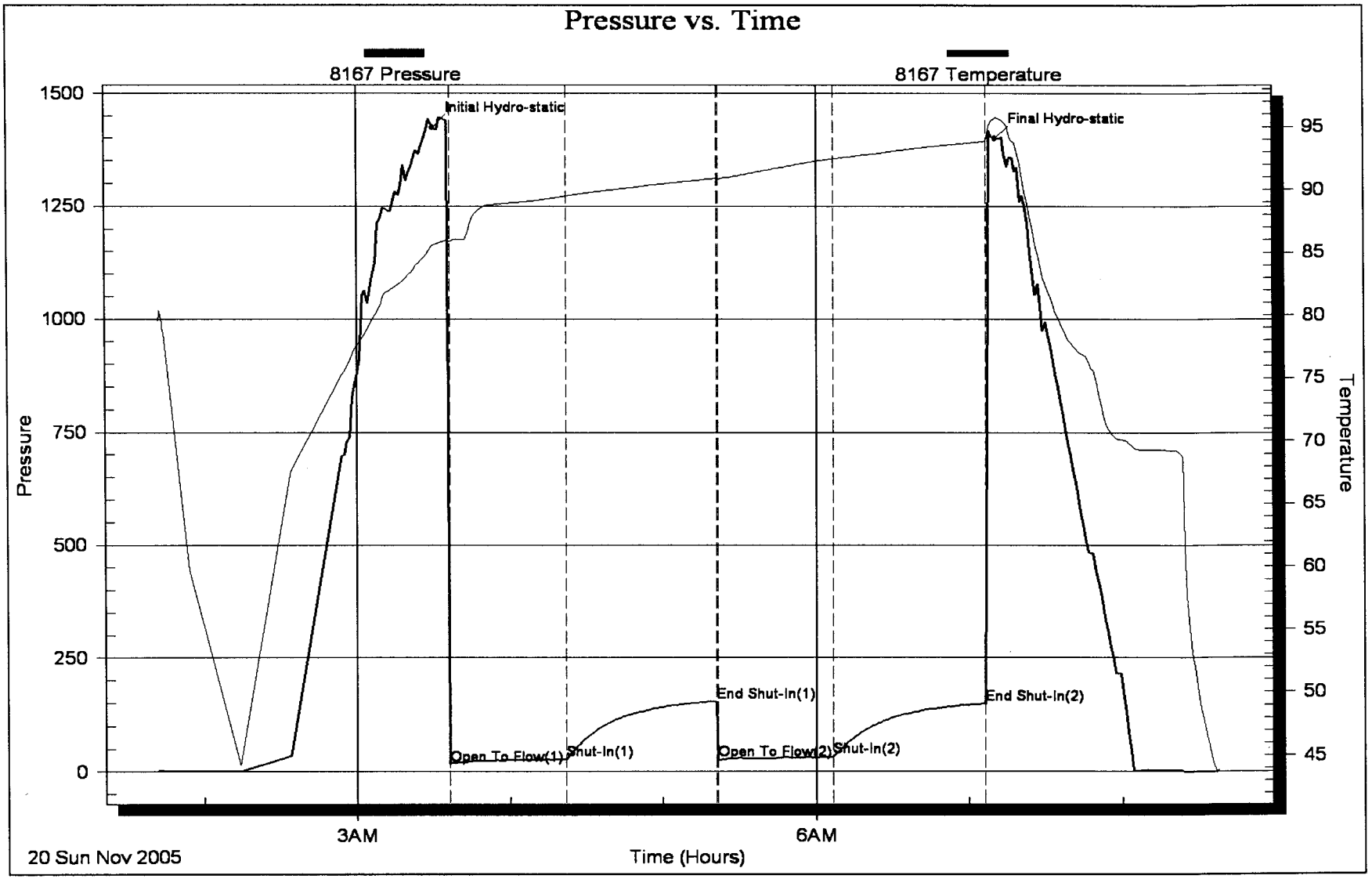
Length ft	Description	Volume bbl
40.00	mud w / show of oil	0.288
0.00	245 gip	0.000

Total Length: 40.00 ft Total Volume: 0.288 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
1500
1250
1000
750
500
250
0
Pressure
95
90
85
80
75
70
65
60
55
50
45
Temperature
3AM
6AM
20 Sun Nov 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc.**

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

8-16s-11w Barton

O'Leary #6

Start Date: 2005.11.21 @ 01:22:08

End Date: 2005.11.21 @ 08:19:07

Job Ticket #: 22734 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2005.11.28 @ 12:56:07 Page 1

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Mai Oil Operations Inc.

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

O'Leary #6

8-16s-11w Barton

Job Ticket: 22734 **DST#: 2**

Test Start: 2005.11.21 @ 01:22:08

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:46:37
Time Test Ended: 08:19:07

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 28

Interval: 3049.00 ft (KB) To 3064.00 ft (KB) (TVD)
Total Depth: 3064.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

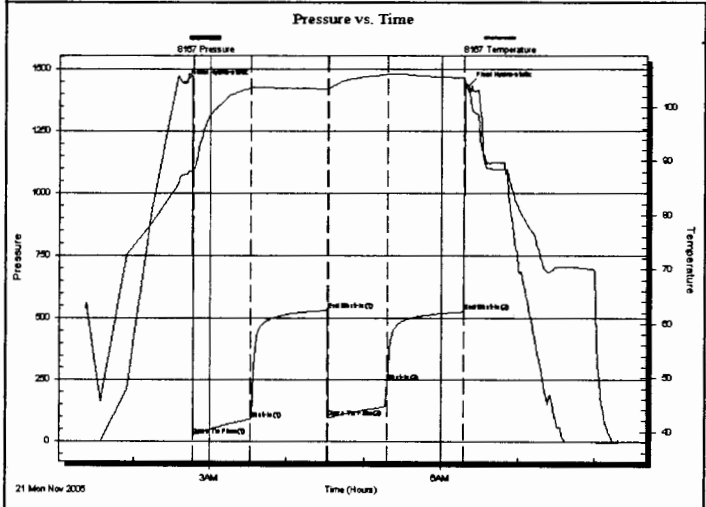
Reference Elevations: 1812.00 ft (KB)
1807.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 243.06 psig @ 3050.01 ft (KB)
Start Date: 2005.11.21 End Date: 2005.11.21
Start Time: 01:22:08 End Time: 08:19:07

Capacity: 7000.00 psig
Last Calib.: 2005.11.21
Time On Btm: 2005.11.21 @ 02:39:37
Time Off Btm: 2005.11.21 @ 06:21:07

TEST COMMENT: IFP - bottom in 15 min
ISIP - intermittent surrace blow
FFP - bottom in 25 min
FSIP - no surrface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1445.03	87.52	Initial Hydro-static
7	26.24	87.66	Open To Flow (1)
52	90.77	103.63	Shut-In(1)
112	529.65	103.42	End Shut-In(1)
113	96.22	103.39	Open To Flow (2)
158	243.06	106.15	Shut-In(2)
218	524.28	105.54	End Shut-In(2)
222	1434.53	103.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
265.00	muddy w ater 10% m, 90% w	3.44
5.00	oil muddy w ater 10% m, 15% w , 75% o	0.07
0.00	780 gip	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc.

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

O'Leary #6

8-16s-11w Barton

Job Ticket: 22734 **DST#: 2**

Test Start: 2005.11.21 @ 01:22:08

Tool Information

Drill Pipe:	Length:	3014.00 ft	Diameter:	3.80 inches	Volume:	42.28 bbl	Tool Weight:		2200.00 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:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	42.43 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3049.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		15.02 ft							
Tool Length:		35.02 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3034.00		
Hydraulic tool	5.00			3039.00		
Packer	5.00			3044.00	20.00	Bottom Of Top Packer
Packer	5.00			3049.00		
Stubb	1.00			3050.00		
Recorder	0.01	8167	Inside	3050.01		
Perforations	11.00			3061.01		
Recorder	0.01	13534	Outside	3061.02		
Bullnose	3.00			3064.02	15.02	Bottom Packers & Anchor
Total Tool Length:	**35.02**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc.

P.O. Box 33
Russell, KS 67665

ATTN: Allen Bangert

O'Leary #6

8-16s-11w Barton

Job Ticket: 22734 **DST#: 2**

Test Start: 2005.11.21 @ 01:22:08

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

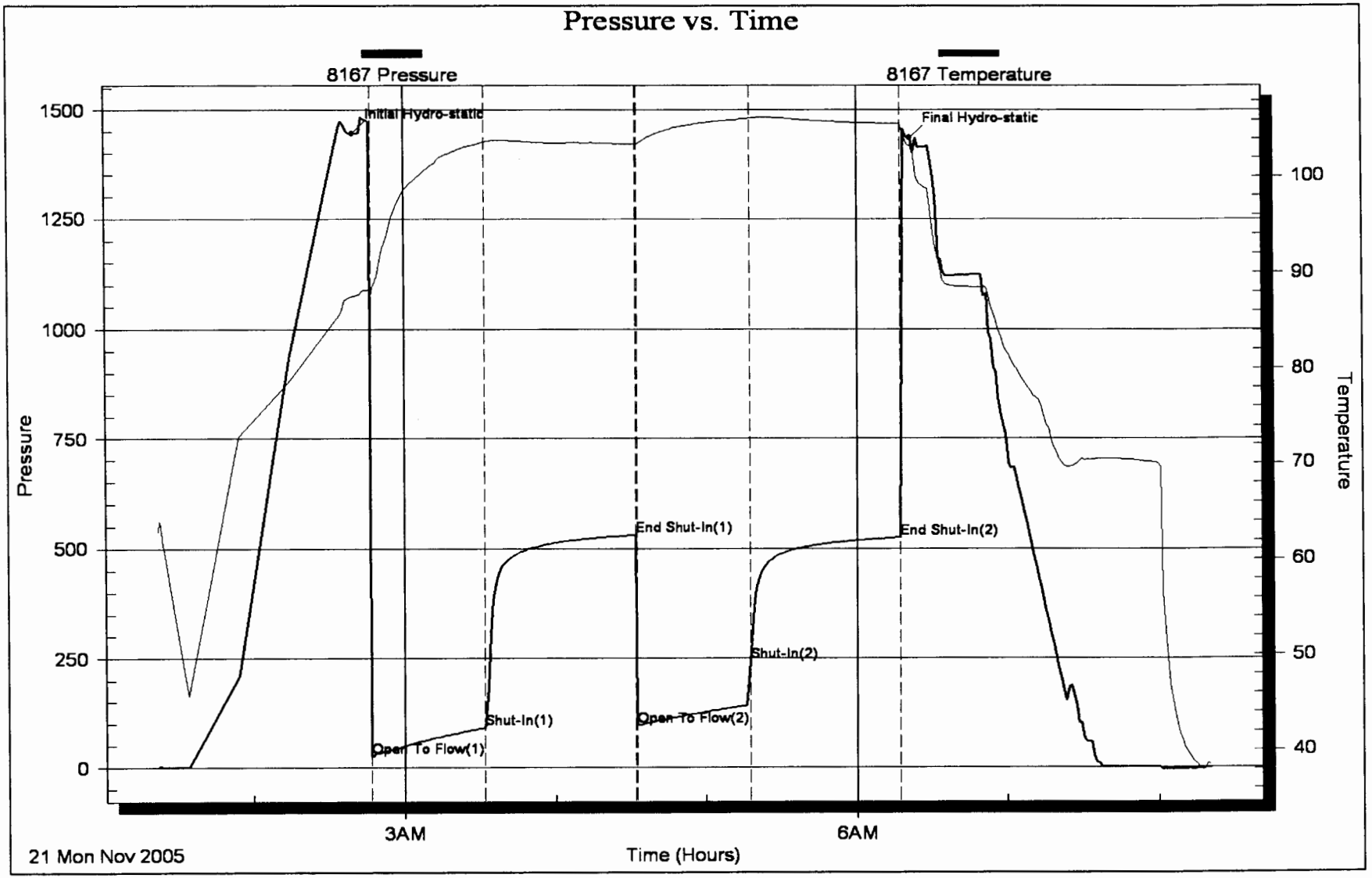
Length ft	Description	Volume bbl
265.00	muddy w ater 10% m, 90% w	3.444
5.00	oil muddy w ater 10% m, 15% w , 75% o	0.070
0.00	780 gip	0.000

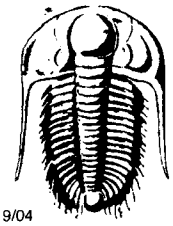
Total Length: 270.00 ft Total Volume: 3.514 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
3AM
6AM
21 Mon Nov 2005
Time (Hours)



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/04

INV 8151

№ 22733

Test Ticket

Well Name & No. O'Leary #6 Test No. 1 Date 11-20-05

Company Mai Oil Operations Inc. Zone Tested LKC "ABC"

Address P.O. Box 33 Russell, ks 67665 Elevation 1812 KB 1807 GL

Co. Rep / Geo. Allen Bengert Cont. Murfin 16 Est. Ft. of Pay — Por. — %

Location: Sec. 8 Twp. 16 S Rge. 11 W Co. Barton State KS

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2956-3008 Initial Str Wt./Lbs. 47,000 Unseated Str Wt/Lbs. _____

Anchor Length 52' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. _____

Top Packer Depth 2951 Tool Weight 2200

Bottom Packer Depth 2956 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3008 Wt. Pipe Run — Drill Collar Run 30'

Mud Wt. 8.9 LCM 460 Vis. 46 WL 10.8 Drill Pipe Size 4½ XH Ft. Run 2928

Blow Description IFP - Bottom in 22 min
FFP - Bottom in 27 min
shut in - no blow

Recovery - Total Feet 40 GIP 245 Ft. in DC 30 Ft. in DP 10

Rec. 40 Feet of mud w/ show of oil %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 93 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1423 PSI	Recorder No.	8167	Test ✓	1000
(B) First Initial Flow Pressure		16 PSI	(depth)	2958	Jars	
(C) First Final Flow Pressure		26 PSI	Recorder No.	13534	Safety Jt.	
(D) Initial Shut-In Pressure		153 PSI	(depth)	3005	Circ Sub	
(E) Second Initial Flow Pressure		26 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		33 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		148 PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1399 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	45	Ruined Packer	
			Final Shut-In	60	Mileage ✓	114 RT 114
			T-On Location	~~1110~~ 0000	Sub Total:	1114
			T-Started	0142	Std. By ½ hr	25
			T-Open	0335	Other	
			T-Pulled	0705	Total:	$1139
			T-Out	0837		

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.

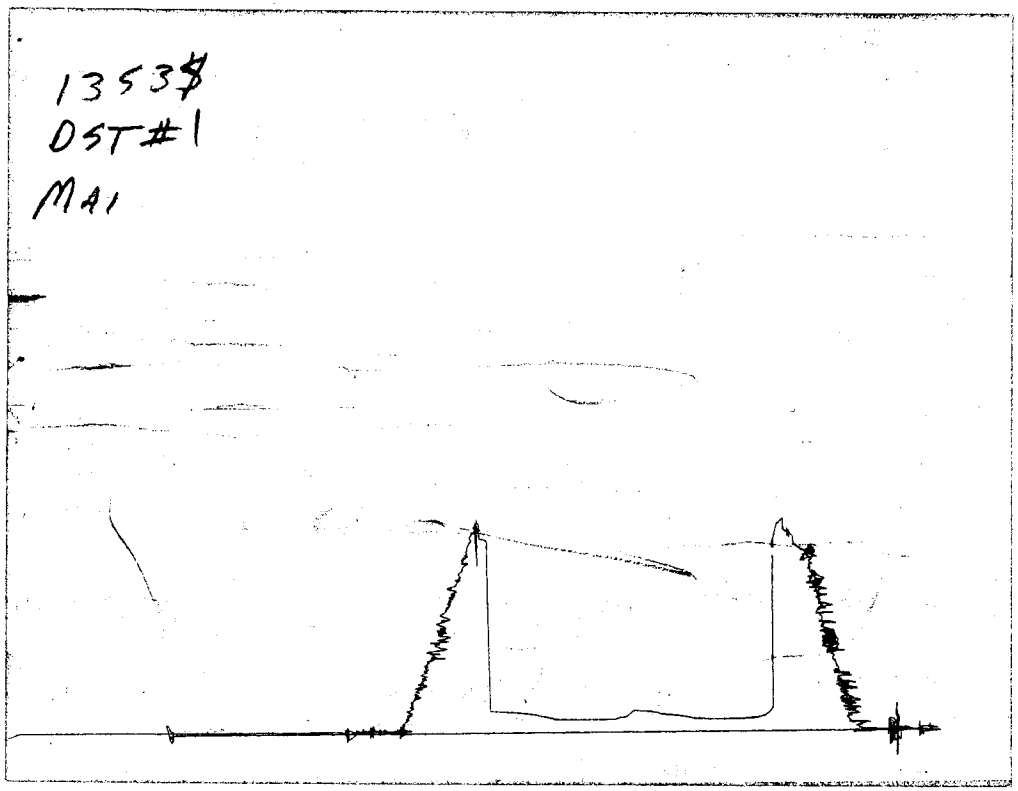
Approved By [signature]

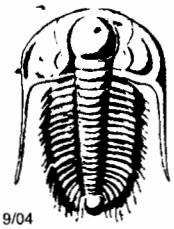
Our Representative Brian Farbank Thanks

Ray Schwager

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/04

№ 22734

Test Ticket

Well Name & No. O'Leary #6 Test No. 2 Date 11-21-05

Company Mai Oil Operations INC. Zone Tested LKC "G"

Address P.O. Box 33 Russell, ks 67665 Elevation 1812 KB 1807 GL

Co. Rep / Geo. Allen Bangert Cont. Murfin 16 Est. Ft. of Pay — Por. — %

Location: Sec. 8 Twp. 16s Rge. 11w Co. Barton State KS

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3049 - 3064 Initial Str Wt./Lbs. 48,000 Unseated Str Wt/Lbs. 50,000

Anchor Length 15' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000

Top Packer Depth 3044 Tool Weight 2200

Bottom Packer Depth 3049 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3064 Wt. Pipe Run — Drill Collar Run 30'

Mud Wt. 9.3 LCM 51 Vis. 8.8 WL _____ Drill Pipe Size 4½ XH Ft. Run 3014

Blow Description IFP - bottom in 15 min
ISIP - intermittent surface blow
FFP - bottom in 25 min
FSIP - no surface blow

Recovery - Total Feet 270 GIP 780 Ft. in DC 30 Ft. in DP 240

Rec.	5	Feet of	omw	— %gas	75 %oil	15 %water	10 %mud
Rec.	265	Feet of	muddy water	— %gas	— %oil	90 %water	10 %mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud

BHT 105 °F Gravity .303 °API D @ 39 °F Corrected Gravity 38,000 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3000 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1445	PSI	Recorder No.	8167	Test ✓	1000
(B) First Initial Flow Pressure		26	PSI	(depth)	3050	Jars	
(C) First Final Flow Pressure		90	PSI	Recorder No.	13534	Safety Jt.	
(D) Initial Shut-In Pressure		529	PSI	(depth)	3061	Circ Sub	
(E) Second Initial Flow Pressure		96	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		243	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		524	PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1434	PSI	Initial Shut-In	60	Shale Packer	
				Final Flow	45	Ruined Packer	
				Final Shut-In	60	Mileage ✓	114 ~~RT~~ 114
				T-On Location	0050	Sub Total:	1114
				T-Started	~~0~~ 0128	Std. By	
				T-Open	0245	Other	
				T-Pulled	0615	Total: 1 day standby	~~1~~500
				T-Out	0819		

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 [signature]

Our Representative Brian Fairbank Thanks

Geo called for tools @ 9:00 Am 11-22-05

CHART PAGE

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

