TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

3 16 14W Barton KS

Dietz # 1

Start Date: 2006.10.11 @ 18:57:50

End Date: 2006.10.12 @ 02:08:20

Job Ticket #: 26104 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Operations Inc
PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Dietz # 1

3 16 14W Barton KS

Job Ticket: 26104 **DST#: 1**

Test Start: 2006.10.11 @ 18:57:50

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:11:50
Time Test Ended: 02:08:20

Test Type: Conventional Bottom Hole
Tester: John Schmidt & Mike
Unit No: 31

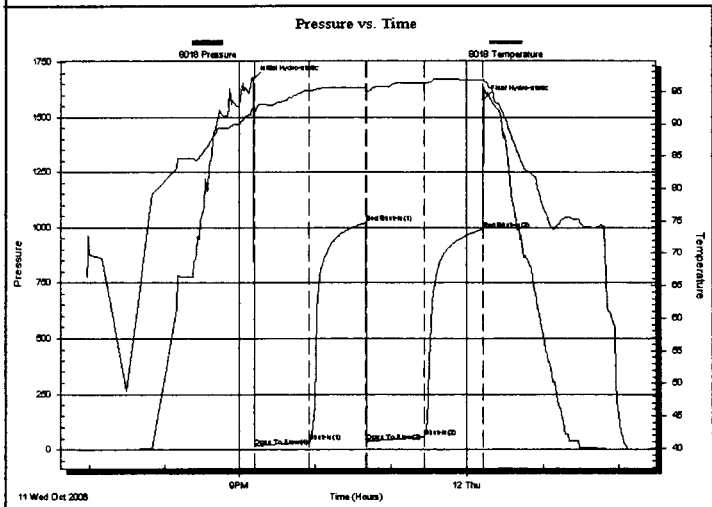
Interval: 3368.00 ft (KB) To 3399.00 ft (KB) (TVD)
Total Depth: 3399.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	56.08 psig @	3371.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2006.10.11	End Date:	2006.10.12	Last Calib.:	2006.10.12
Start Time:	18:57:55	End Time:	02:08:19	Time On Btm:	2006.10.11 @ 21:11:20
				Time Off Btm:	2006.10.12 @ 00:13:20

TEST COMMENT: IF Weak to fair built to 6 "
ISI Dead
FF Weak to fair built to 6 "
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.76	92.43	Initial Hydro-static
1	15.64	92.10	Open To Flow (1)
45	35.78	95.13	Shut-In(1)
89	1021.61	95.49	End Shut-In(1)
90	36.58	94.96	Open To Flow (2)
135	56.08	96.24	Shut-In(2)
182	992.73	96.78	End Shut-In(2)
182	1581.49	96.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Clean Oil	0.42
47.00	Oil cut Mud 30%O 70%M	0.66
0.00	170 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Dietz # 1

3 16 14W Barton KS

Job Ticket: 26104 **DST#: 1**

Test Start: 2006.10.11 @ 18:57:50

Tool Information

Drill Pipe:	Length:	3354.00 ft	Diameter:	3.80 inches	Volume:	47.05 bbl	Tool Weight:		2200.00 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		45000.00 lb
					Total Volume:	47.05 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		5.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3368.00 ft						Final	44000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		31.00 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	
Shut In Tool	5.00			3354.00		
Hydraulic tool	5.00			3359.00		
Packer	4.00			3363.00	19.00	Bottom Of Top Packer
Packer	5.00			3368.00		
Stubb	1.00			3369.00		
Perforations	2.00			3371.00		
Recorder	0.00	8018	Inside	3371.00		
Perforations	25.00			3396.00		
Recorder	0.00	13308	Outside	3396.00		
Bullnose	3.00			3399.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Mai Oil Operations Inc
PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Dietz # 1

3 16 14W Barton KS

Job Ticket: 26104 **DST#: 1**

Test Start: 2006.10.11 @ 18:57:50

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:	bbl		
Water Loss:	9.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

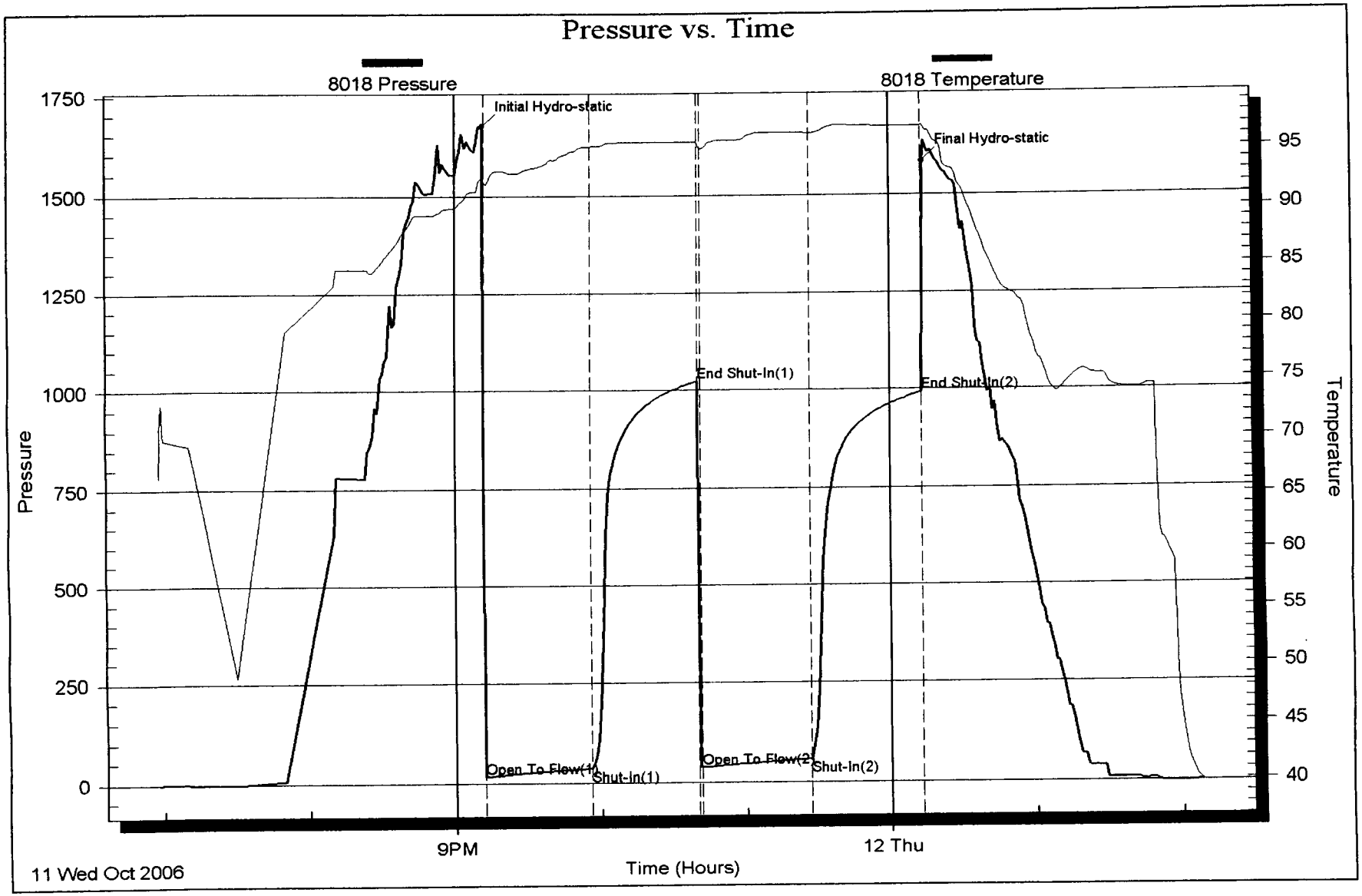
Length ft	Description	Volume bbl
30.00	Clean Oil	0.421
47.00	Oil cut Mud 30%O 70%M	0.659
0.00	170 GIP	0.000

Total Length: 77.00 ft Total Volume: 1.080 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 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)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
50
45
40
9PM
12 Thu
11 Wed Oct 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

3 16 14W Barton KS

Dietz # 1

Start Date: 2006.10.12 @ 08:41:39

End Date: 2006.10.12 @ 15:46:39

Job Ticket #: 26105 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Operations Inc
PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Dietz # 1

3 16 14W Barton KS

Job Ticket: 26105 **DST#: 2**

Test Start: 2006.10.12 @ 08:41:39

GENERAL INFORMATION:

Formation: **ARB**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:02:09
Time Test Ended: 15:46:39

Test Type: Conventional Bottom Hole
Tester: Mike
Unit No: 31

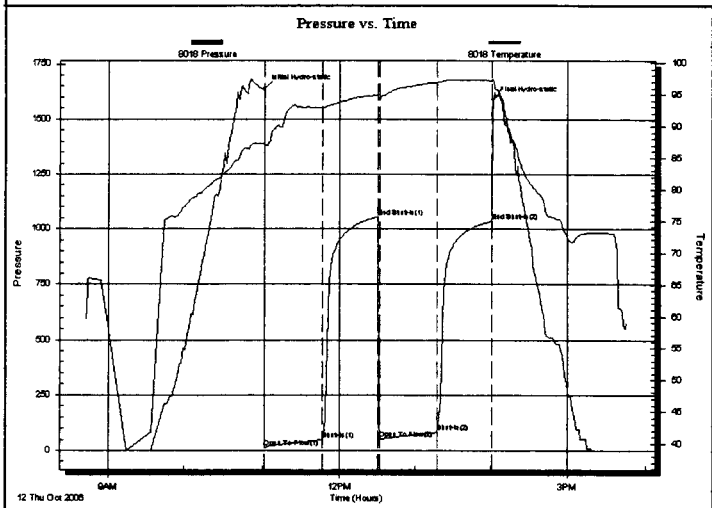
Interval: 3399.00 ft (KB) To 3408.00 ft (KB) (TVD)
Total Depth: 3408.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1938.00 ft (KB)
1930.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth:	81.32 psig @	3400.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2006.10.12	End Date:	2006.10.12	Last Calib.:	2006.10.12
Start Time:	08:41:44	End Time:	15:46:38	Time On Btm:	2006.10.12 @ 11:01:39
				Time Off Btm:	2006.10.12 @ 14:01:38

TEST COMMENT: IF Slow building blow built to 6 "
ISI Dead
FF Slow building blow built to 4 "
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1636.84	87.25	Initial Hydro-static
1	14.85	86.88	Open To Flow (1)
45	48.26	92.90	Shut-In(1)
89	1055.28	94.82	End Shut-In(1)
90	51.93	94.36	Open To Flow (2)
136	81.32	96.92	Shut-In(2)
180	1036.70	97.23	End Shut-In(2)
180	1586.76	97.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Clean Oil	0.77
38.00	M & W 50%M 50%W	0.53
62.00	M cut W 10%M 90%W	0.87

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Dietz # 1

3 16 14W Barton KS

Job Ticket: 26105 **DST#: 2**

Test Start: 2006.10.12 @ 08:41:39

Tool Information

Drill Pipe:	Length:	3386.00 ft	Diameter:	3.80 inches	Volume:	47.50 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 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
					Total Volume:	47.50 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3399.00 ft						Final	40500.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		9.00 ft							
Tool Length:		28.00 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			3385.00		
Hydraulic tool	5.00			3390.00		
Packer	4.00			3394.00	19.00	Bottom Of Top Packer
Packer	5.00			3399.00		
Stubb	1.00			3400.00		
Recorder	0.00	8018	Inside	3400.00		
Perforations	5.00			3405.00		
Recorder	0.00	13308	Outside	3405.00		
Bullnose	3.00			3408.00	9.00	Bottom Packers & Anchor
Total Tool Length:	**28.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Mai Oil Operations Inc
PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Dietz # 1

3 16 14W Barton KS

Job Ticket: 26105 **DST#: 2**

Test Start: 2006.10.12 @ 08:41:39

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

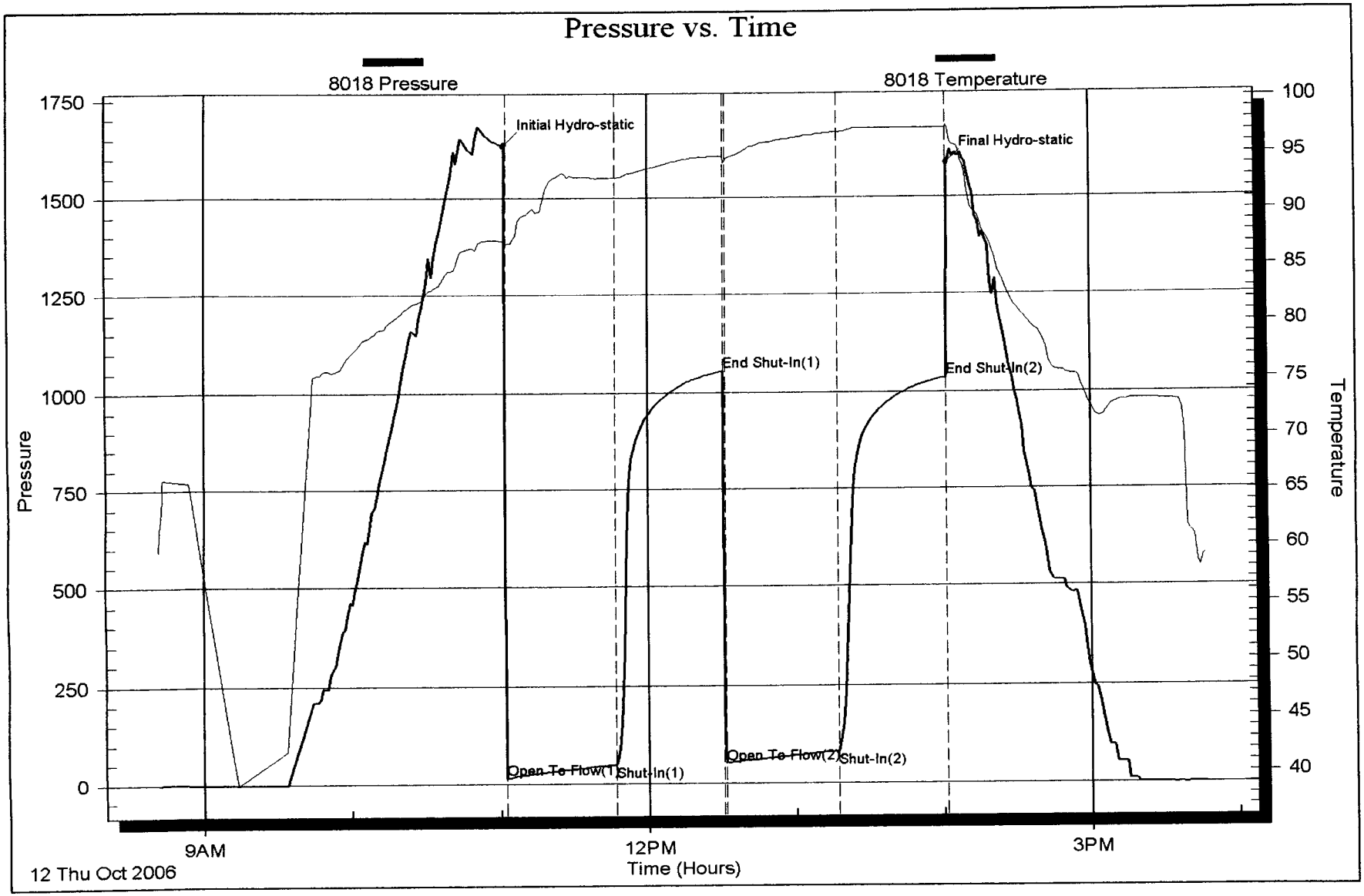
Length ft	Description	Volume bbl
55.00	Clean Oil	0.772
38.00	M & W 50%M 50%W	0.533
62.00	M cut W 10%M 90%W	0.870

Total Length: 155.00 ft Total Volume: 2.175 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 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)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
60
55
50
45
40
9AM
12PM
3PM
Time (Hours)
12 Thu Oct 2006

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

a384 26104

Test Ticket

Well Name & No. DIETZ #1 Test No. #1 Date 10-11-06

Company MAI OIL OPERATIONS, INC. Zone Tested ARBUCKLE

Address P.O. BOX 33 RUSSELL, KS. 67665 Elevation 1938 KB 1930 GL

Co. Rep / Geo. KITT NOAH Rig SOUTHWIND #3

Location: Sec. 3 Twp. 16S Rge. 14W Co. BARTON State KS

Comment: Release date / time:

Interval Tested 3368 To 3399 Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs.

Anchor Length 31' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs.

Top Packer Depth 3363 Tool Weight 2,200

Bottom Packer Depth 3368 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3399 Wt. Pipe Run 0 Drill Collar Run 0

Mud Wt. 9.1 LCM 1/8# Vis. 48 WL 9.4 Drill Pipe Size 4 1/2 XH Ft. Run 3354'

Blow Description IF, WEAK TO FAIR BUILT TO 6" IN. FSI- DEAD
FF- WEAK To Fair built to 6" FSI- No Blow

Recovery - Total Feet 77 GIP 120 G.P Ft. in DC Ft. in DP

Rec. 30	Feet of Clean Oil	%gas	100	%oil	%water	%mud
Rec. 47	Feet of Oil cut Mud	%gas	30	%oil	%water 70	%mud
Rec.	Feet of	%gas		%oil	%water	%mud
Rec.	Feet of	%gas		%oil	%water	%mud
Rec.	Feet of	%gas		%oil	%water	%mud

BHT 97 °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1674	PSI	Recorder No.	8018	Test ✓	1100
(B) First Initial Flow Pressure		16	PSI	(depth)	3371	Jars	
(C) First Final Flow Pressure		36	PSI	Recorder No.	13308	Safety Jt.	
(D) Initial Shut-In Pressure		1022	PSI	(depth)	3396	Circ Sub	
(E) Second Initial Flow Pressure		37	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		54	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		993	PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1581	PSI	Initial Shut-In	45	Shale Packer	
				Final Flow	45	Ruined Packer	
				Final Shut-In	45	Mileage RT-78	
				T-On Location	18:30	Sub Total:	
				T-Started	18:58	Std. By	
				T-Open	21:11	Acc. Chg:	
				T-Pulled	00:11	Other:	
				T-Out	2:05	Total:	598.75

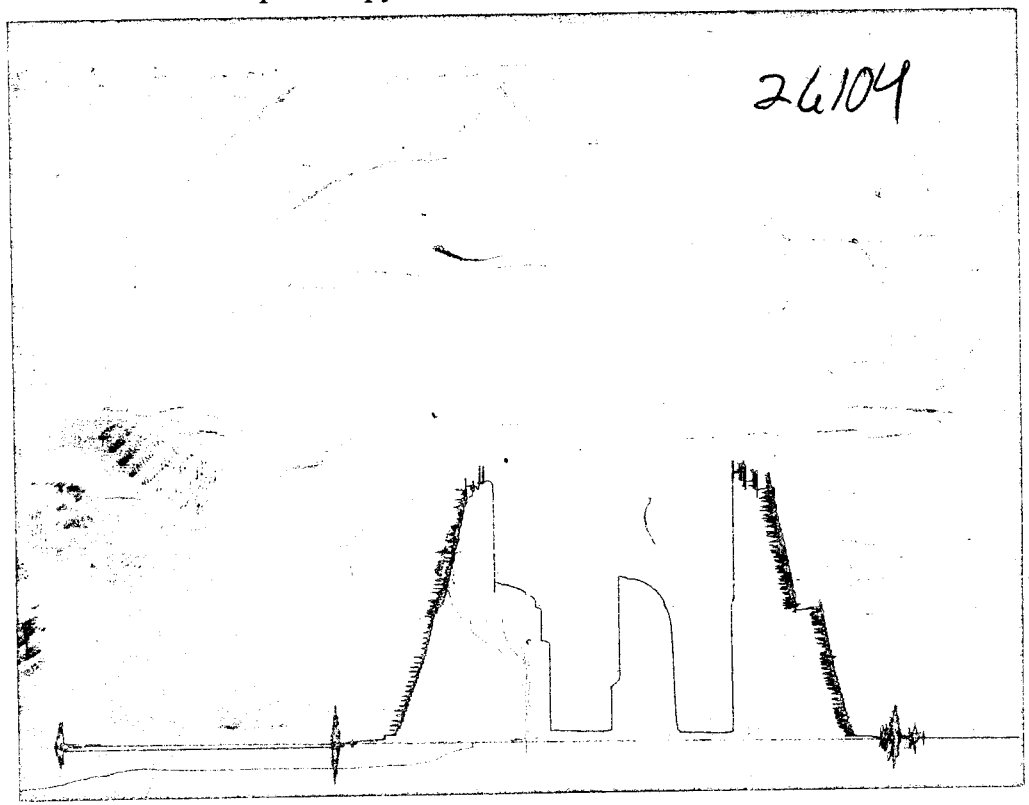
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By

Our Representative John J. Schmidt / Michael Armbrister

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

26105

Test Ticket

Well Name & No. Dietz #1 Test No. #2 Date 10-12-06

Company Mai Oil Op. Zone Tested Arb

Address Elevation 1938 KB 1930 GL

Co. Rep / Geo. Kitt Noah Rig Southwind #3

Location: Sec. 3 Twp. 16 Rge. 14 Co. Barton State KS

Comment: Release date / time:

Interval Tested 3399 - 3408 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 40,500

Anchor Length 9 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000

Top Packer Depth 3394 Tool Weight 2,000

Bottom Packer Depth 3399 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3408 Wt. Pipe Run — Drill Collar Run —

Mud Wt. 9.0 LCM 1/2 Vis. 54 WL 9.0 Drill Pipe Size 4 1/2 Ft. Run 3384

Blow Description IF - slow building 6" blow
FSI - Dead
FF slow building 4" blow
FSI - Dead

Recovery - Total Feet 166 GIP 80 Ft. in DC Ft. in DP

Rec.	55	Feet of Clean oil	%gas	100	%oil		%water		%mud
Rec.	38	Feet of M & W	%gas		%oil	50	%water	50	%mud
Rec.	62	Feet of Mcut W	%gas		%oil	90	%water	10	%mud
Rec.		Feet of	%gas		%oil		%water		%mud
Rec.		Feet of	%gas		%oil		%water		%mud

BHT 97 °F Gravity °API D @ °F Corrected Gravity °API

RW .285 @ 63 °F Chlorides 27,000 ppm Recovery Chlorides ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud		1637 PSI	Recorder No.	8018		(Test) Ran	
(B) First Initial Flow Pressure		15 PSI	(depth)	3400		Jars	
(C) First Final Flow Pressure		48 PSI	Recorder No.	13308		Safety Jt.	
(D) Initial Shut-In Pressure		1055 PSI	(depth)	3407		Circ Sub	
(E) Second Initial Flow Pressure		52 PSI	Recorder No.			Sampler	
(F) Second Final Flow Pressure		81 PSI	(depth)			Straddle	
(G) Final Shut-In Pressure		1037 PSI	**Initial Opening**	45		Ext. Packer	
(Q) Final Hydrostatic Mud		1624 PSI	Initial Shut-In	45		Shale Packer	
			Final Flow	45		Ruined Packer	
			Final Shut-In	45		Mileage	Rt 78 92.5
			T-On Location	8:30		Sub Total:	1199.50
			T-Started	8:40		Std. By	
			T-Open	11:00		Acc. Chg:	
			T-Pulled	14:00		Other:	
			T-Out	16:40		Total:	

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Approved By

Our Representative Michael Acmbrister