

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

16 16S 14W Barton KS

Radke-Ochs Unit #1

Start Date: 2006.12.11 @ 03:38:26
End Date: 2006.12.11 @ 11:15:56
Job Ticket #: 25827 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

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 25827 **DST#: 1**

Test Start: 2006.12.11 @ 03:38:26

GENERAL INFORMATION:

Formation: **Lans./K.C. 'B'-'C'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:56:56
Time Test Ended: 11:15:56

Test Type: Conventional Bottom Hole
Tester: Gerald Adams
Unit No: 36

Interval: 3183.00 ft (KB) To 3220.00 ft (KB) (TVD)
Total Depth: 3220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

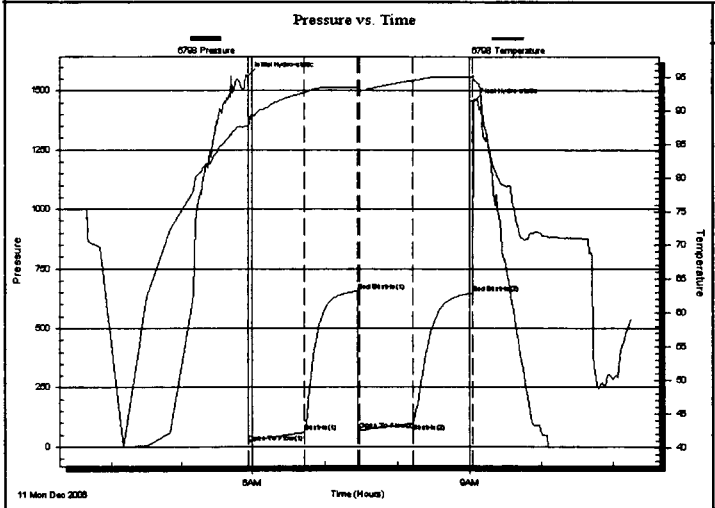
Reference Elevations: 1958.00 ft (KB)
1950.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 95.65 psig @ 3184.00 ft (KB)
Start Date: 2006.12.11 End Date: 2006.12.11
Start Time: 03:38:31 End Time: 11:15:55

Capacity: 7000.00 psig
Last Calib.: 2006.12.11
Time On Btm: 2006.12.11 @ 05:56:26
Time Off Btm: 2006.12.11 @ 09:02:55

TEST COMMENT: IF Strong blow BOB in 4 1/2 mins.
ISI Weak blow Built to 1 ".
FF Strong blow BOB in 4 1/2 mins.
FSI Weak blow Built to 3 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1560.23	87.67	Initial Hydro-static
1	17.53	87.50	Open To Flow (1)
47	60.18	92.64	Shut-In(1)
91	655.62	93.41	End Shut-In(1)
93	68.06	92.90	Open To Flow (2)
136	95.65	94.49	Shut-In(2)
186	647.76	94.97	End Shut-In(2)
187	1453.49	95.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SGW&MCO 10%g 70%o 5%w 15%m	0.00
124.00	SW&MCGO 35%g 50%o 10%w 5%m	1.23
56.00	SO&MCW 5%O 85%W 10%M	0.79
0.00	1300 ' GIP	0.00
0.00	RW= .115 @ 55 deg. 80000 ppm	0.00
0.00		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

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 25827 **DST#: 1**

Test Start: 2006.12.11 @ 03:38:26

Tool Information

Drill Pipe:	Length:	3141.00 ft	Diameter:	3.80 inches	Volume:	44.06 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	56.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	58000.00 lb
					Total Volume:	44.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		34.00 ft					String Weight: Initial	38000.00 lb
Depth to Top Packer:		3183.00 ft					Final	40000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		37.00 ft						
Tool Length:		57.00 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			3168.00		
Hydraulic tool	5.00			3173.00		
Packer	5.00			3178.00	20.00	Bottom Of Top Packer
Packer	5.00			3183.00		
Stubb	1.00			3184.00		
Recorder	0.00	6798	Inside	3184.00		
Perforations	33.00			3217.00		
Recorder	0.00	13249	Outside	3217.00		
Bullnose	3.00			3220.00	37.00	Bottom Packers & Anchor
Total Tool Length:	**57.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 25827 **DST#: 1**

Test Start: 2006.12.11 @ 03:38:26

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:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5300.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

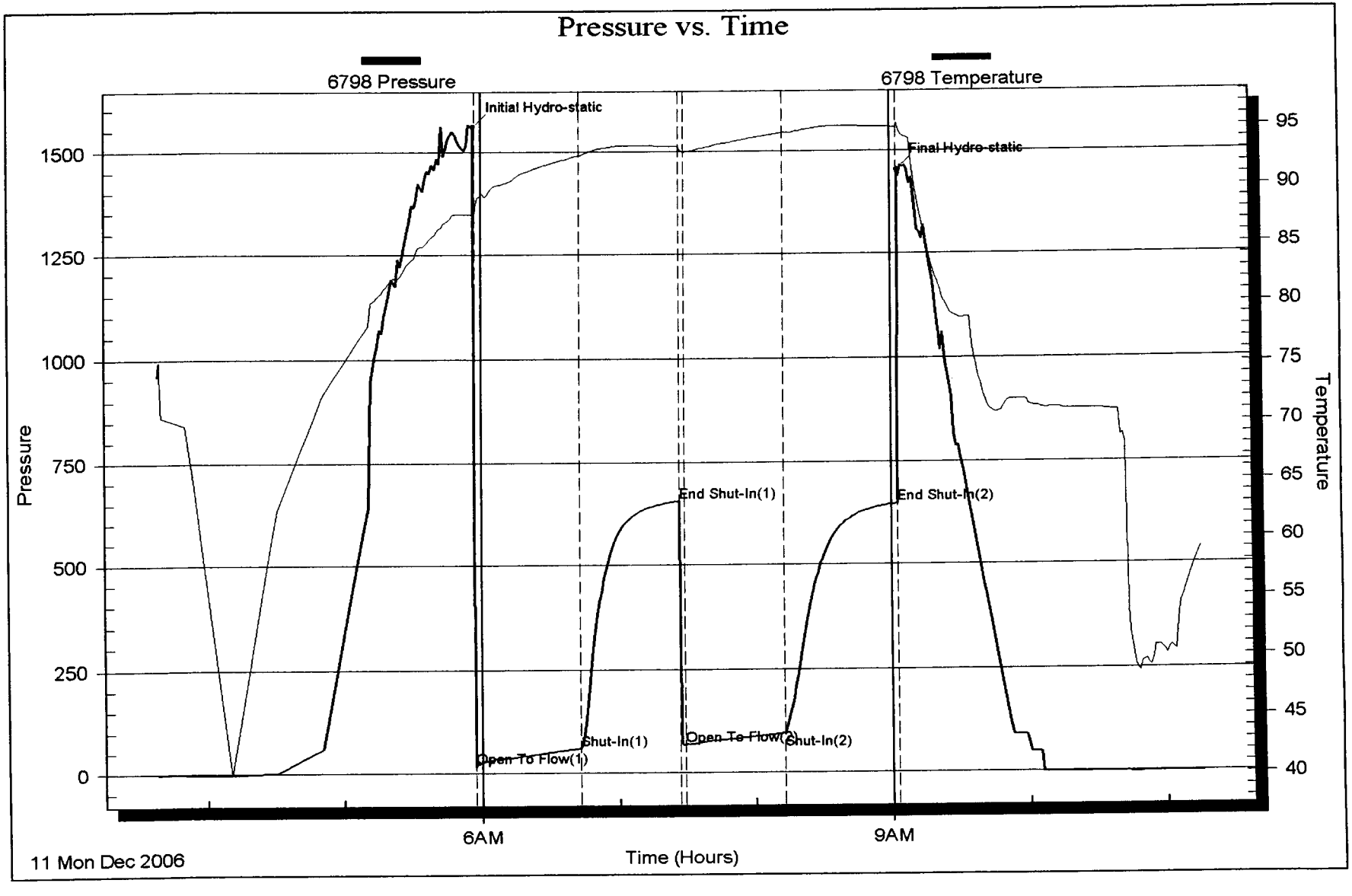
Length ft	Description	Volume bbl
20.00	SGW&MCO 10%g 70%o 5%w 15%m	0.000
124.00	SW&MCGO 35%g 50%o 10%w 5%m	1.234
56.00	SO&MCW 5%O 85%W 10%M	0.786
0.00	1300 ' GIP	0.000
0.00	RW= .115 @ 55 deg. 80000 ppm	0.000
0.00		0.000

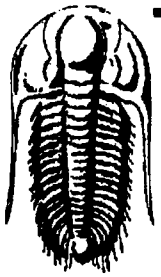
Total Length: 200.00 ft Total Volume: 2.020 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6798 Pressure
6798 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
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
50
45
40
6AM
9AM
Time (Hours)
11 Mon Dec 2006



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DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

16 16S 14W Barton KS

Radke-Ochs Unit #1

Start Date: 2006.12.11 @ 20:25:53
End Date: 2006.12.12 @ 01:58:53
Job Ticket #: 26172 DST #: 2

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

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26172 **DST#: 2**

Test Start: 2006.12.11 @ 20:25:53

GENERAL INFORMATION:

Formation: **L.Kc.-E & F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:53:53
Time Test Ended: 01:58:53

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

Interval: 3235.00 ft (KB) To 3266.00 ft (KB) (TVD)
Total Depth: 3220.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

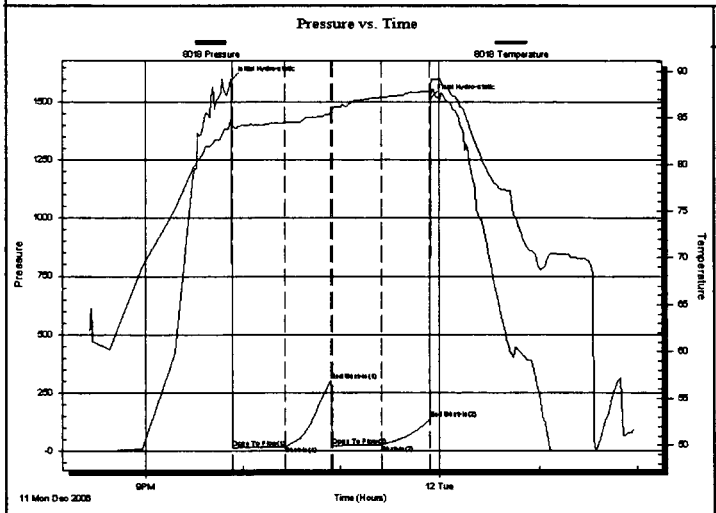
Reference Elevations: 1958.00 ft (KB)
1950.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 25.64 psig @ 3238.00 ft (KB)
Start Date: 2006.12.11 End Date: 2006.12.12
Start Time: 20:25:58 End Time: 01:58:52

Capacity: 7000.00 psig
Last Calib.: 2006.12.12
Time On Btm: 2006.12.11 @ 21:53:23
Time Off Btm: 2006.12.11 @ 23:54:53

TEST COMMENT: IF Weak surface
ISI Dead
FF Dead Flush tool w eak surface
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.94	84.82	Initial Hydro-static
1	12.93	83.91	Open To Flow (1)
33	19.66	84.45	Shut-In(1)
61	300.77	85.41	End Shut-In(1)
62	21.60	85.80	Open To Flow (2)
92	25.64	87.14	Shut-In(2)
121	137.42	87.83	End Shut-In(2)
122	1515.32	88.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	D Mud w/Oil spots	0.42

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26172 **DST#: 2**

Test Start: 2006.12.11 @ 20:25:53

Tool Information

Drill Pipe:	Length:	3230.00 ft	Diameter:	3.80 inches	Volume:	45.31 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	45.31 bbl	

Drill Pipe Above KB:	15.00 ft
Depth to Top Packer:	3235.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	31.00 ft
Tool Length:	51.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		42000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	38000.00 lb
	Final	38000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3220.00		
Hydraulic tool	5.00			3225.00		
Packer	5.00			3230.00	20.00	Bottom Of Top Packer
Packer	5.00			3235.00		
Stubb	1.00			3236.00		
Perforations	2.00			3238.00		
Recorder	0.00	8018	Inside	3238.00		
Perforations	25.00			3263.00		
Recorder	0.00	13308	Outside	3263.00		
Bullnose	3.00			3266.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**51.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26172 **DST#: 2**

Test Start: 2006.12.11 @ 20:25:53

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:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5300.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

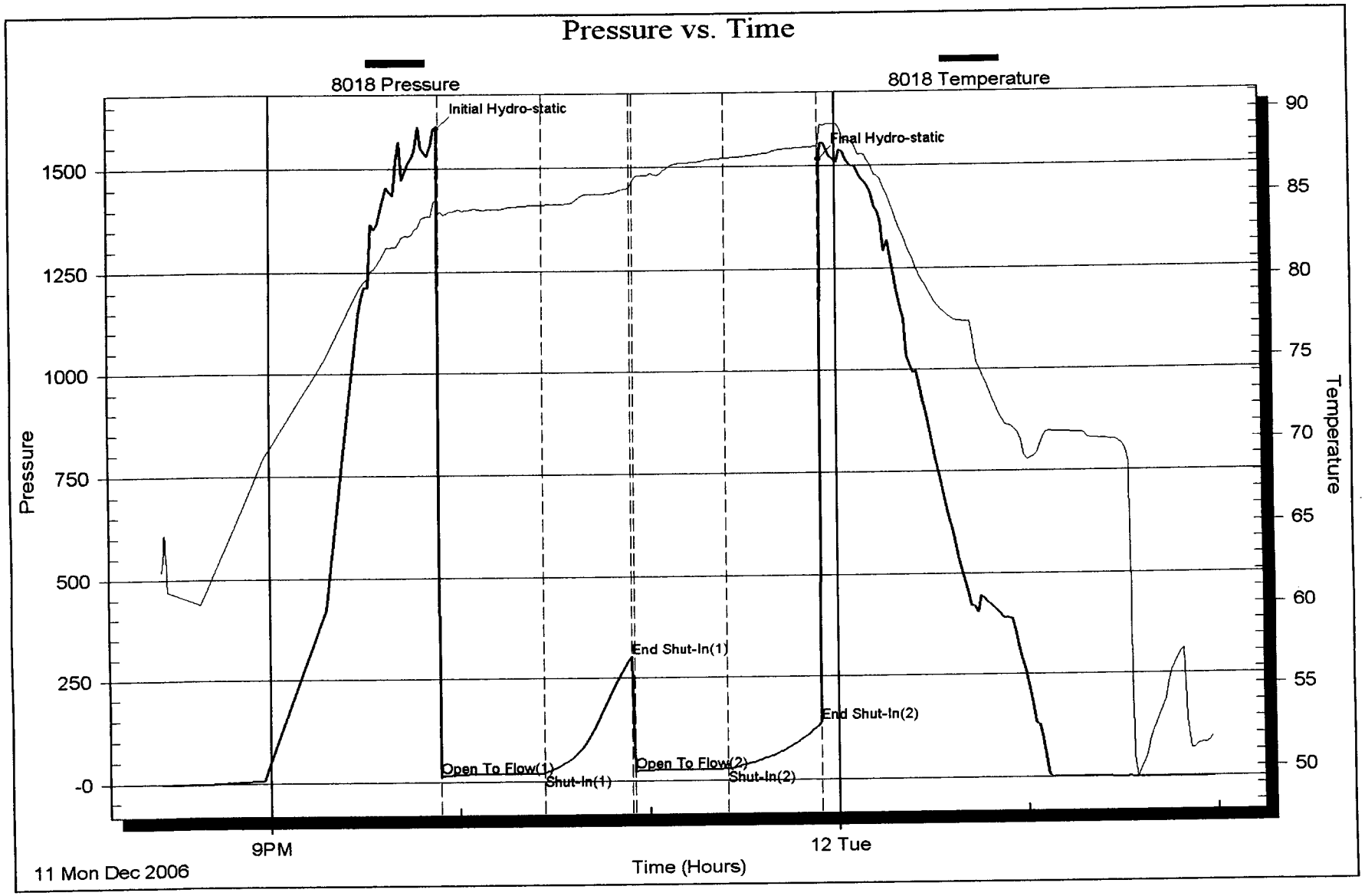
Length ft	Description	Volume bbl
30.00	D Mud w/Oil spots	0.421

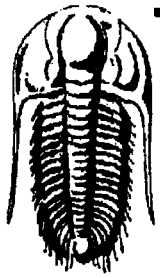
Total Length: 30.00 ft Total Volume: 0.421 bbl

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)
1500
1250
1000
750
500
250
-0
Pressure
90
85
80
75
70
65
60
55
50
Temperature
9PM
12 Tue
11 Mon Dec 2006
Time (Hours)



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DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

16 16S 14W Barton KS

Radke-Ochs Unit #1

Start Date: 2006.12.12 @ 16:43:21
End Date: 2006.12.13 @ 01:04:21
Job Ticket #: 26173 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26173 **DST#: 3**

Test Start: 2006.12.12 @ 16:43:21

GENERAL INFORMATION:

Formation: **L.Kc.-H to L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:22:51
Time Test Ended: 01:04:21

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

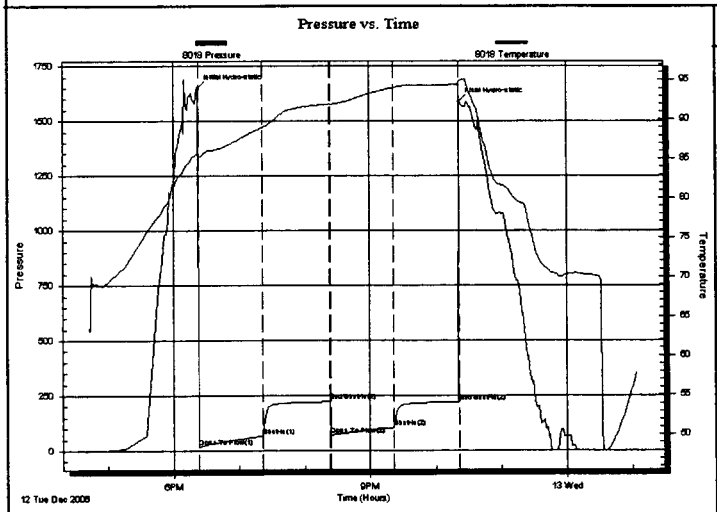
Interval: 3308.00 ft (KB) To 3394.00 ft (KB) (TVD)
Total Depth: 3394.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1958.00 ft (KB)
1950.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 103.88 psig @ 3312.00 ft (KB)
Start Date: 2006.12.12 End Date: 2006.12.13
Start Time: 16:43:26 End Time: 01:04:20

Capacity: 7000.00 psig
Last Calib.: 2006.12.13
Time On Btm: 2006.12.12 @ 18:22:21
Time Off Btm: 2006.12.12 @ 22:21:51

TEST COMMENT: IF Weak to good built to 8 "
ISI Dead
FF Weak to good built to 6 "
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1650.09	85.54	Initial Hydro-static
1	16.02	85.00	Open To Flow (1)
59	67.36	88.98	Shut-In(1)
121	223.36	91.96	End Shut-In(1)
122	68.42	91.93	Open To Flow (2)
180	103.88	94.02	Shut-In(2)
239	221.53	94.41	End Shut-In(2)
240	1586.89	94.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MSW 10%M 90%W	2.52
30.00	Gassy Oil 5%G 95%O	0.42
0.00	100 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

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26173 **DST#: 3**

Test Start: 2006.12.12 @ 16:43:21

Tool Information

Drill Pipe:	Length:	3318.00 ft	Diameter:	3.80 inches	Volume:	46.54 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	46.54 bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	3308.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	86.00 ft
Tool Length:	106.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	44000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	40000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3293.00		
Hydraulic tool	5.00			3298.00		
Packer	5.00			3303.00	20.00	Bottom Of Top Packer
Packer	5.00			3308.00		
Stubb	1.00			3309.00		
Perforations	2.00			3311.00		
Change Over Sub	1.00			3312.00		
Recorder	0.00	8018	Inside	3312.00		
Blank Spacing	63.00			3375.00		
Change Over Sub	1.00			3376.00		
Recorder	0.00	11084	Outside	3376.00		
Perforations	15.00			3391.00		
Bullnose	3.00			3394.00	86.00	Bottom Packers & Anchor
Total Tool Length:	**106.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26173 **DST#: 3**

Test Start: 2006.12.12 @ 16:43:21

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:	45000 ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8700.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

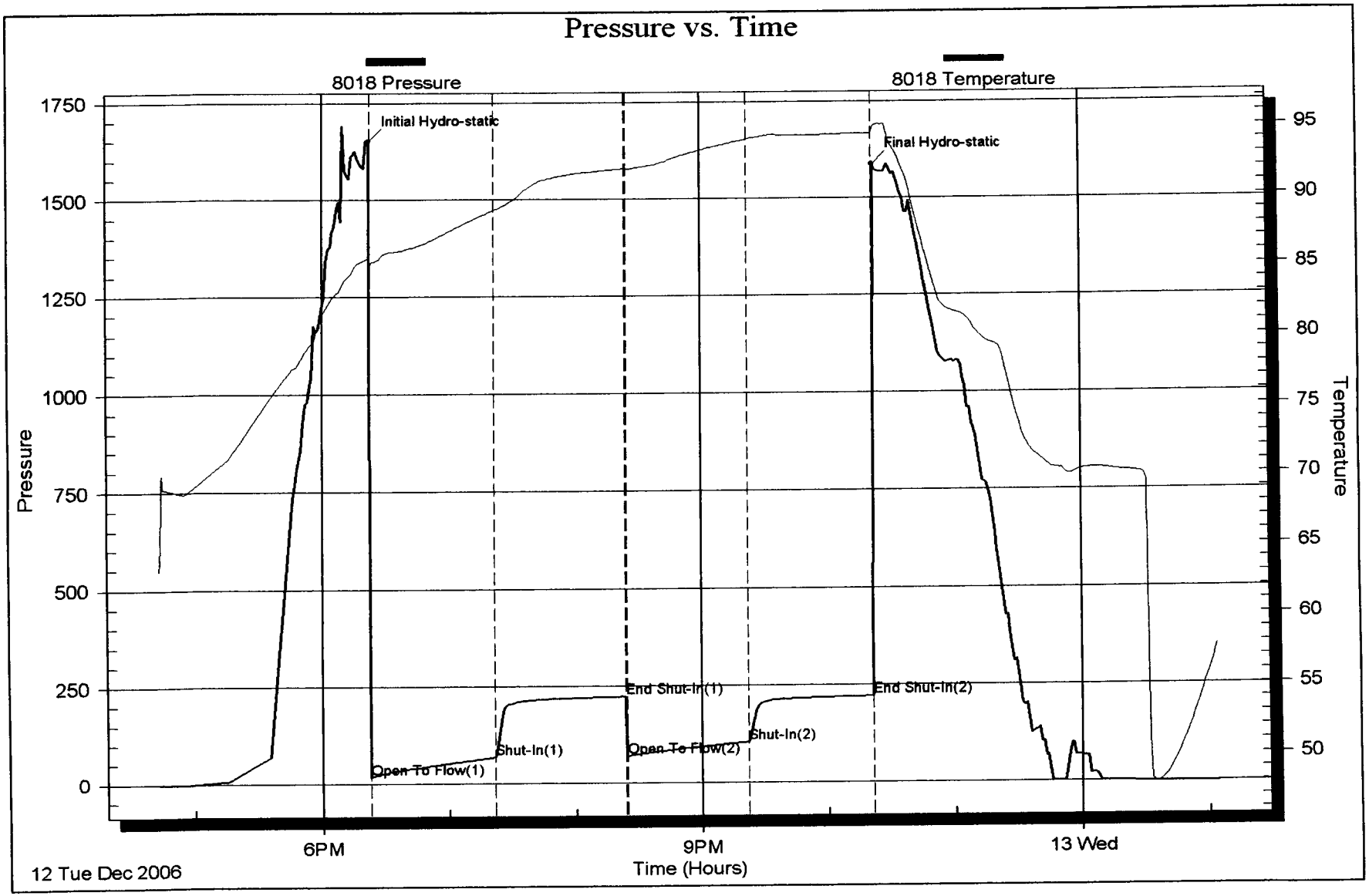
Length ft	Description	Volume bbl
180.00	MSW 10%M 90%W	2.525
30.00	Gassy Oil 5%G 95%O	0.421
0.00	100 GIP	0.000

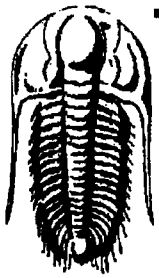
Total Length: 210.00 ft Total Volume: 2.946 bbl

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)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
55
50
6PM
9PM
13 Wed
12 Tue Dec 2006
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations Inc**

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

16 16S 14W Barton KS

Radke-Ochs Unit #1

Start Date: 2006.12.13 @ 09:56:36

End Date: 2006.12.13 @ 17:24:36

Job Ticket #: 26174 DST #: 4

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

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26174 **DST#: 4**

Test Start: 2006.12.13 @ 09:56:36

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:39:36
Time Test Ended: 17:24:36

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

Interval: 3393.00 ft (KB) To 3433.00 ft (KB) (TVD)
Total Depth: 3433.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

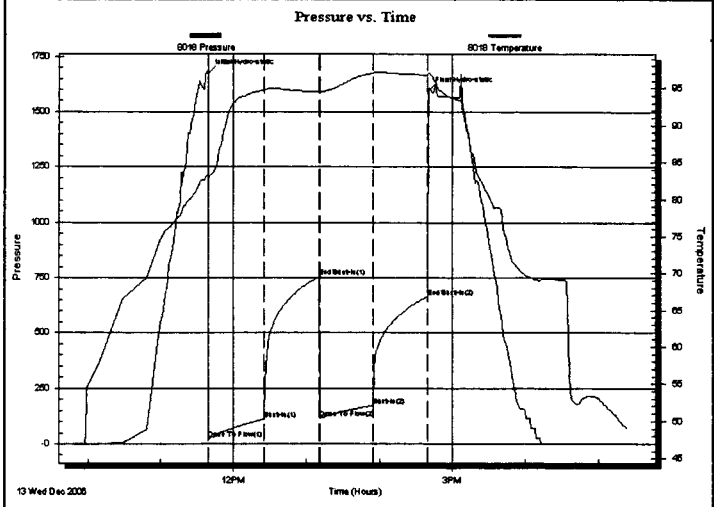
Reference Elevations: 1958.00 ft (KB)
1950.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 170.99 psig @ 3397.00 ft (KB)
Start Date: 2006.12.13 End Date: 2006.12.13
Start Time: 09:56:41 End Time: 17:24:35

Capacity: 7000.00 psig
Last Calib.: 2006.12.13
Time On Btm: 2006.12.13 @ 11:39:06
Time Off Btm: 2006.12.13 @ 14:40:06

TEST COMMENT: IF Strong BOB in 14 min.
ISI Weak Surface
FF Good built to 9 "
FSI Weak Surface



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1676.04	83.16	Initial Hydro-static
1	20.94	82.64	Open To Flow (1)
46	109.92	94.69	Shut-In(1)
91	753.50	94.49	End Shut-In(1)
92	113.02	94.28	Open To Flow (2)
135	170.99	96.99	Shut-In(2)
181	663.43	96.78	End Shut-In(2)
181	1595.02	97.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SW	1.75
65.00	GOMCW 4%G 1%O 15%M 80%W	0.91
115.00	GOWCM 5%G 5%O 35%W 55%M	1.61
50.00	Gssy Oil 10%G 90%O	0.70
0.00	75 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

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26174 **DST#: 4**

Test Start: 2006.12.13 @ 09:56:36

Tool Information

Drill Pipe:	Length:	3383.00 ft	Diameter:	3.80 inches	Volume:	47.45 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
					Total Volume:	47.45 bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	3393.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	40.00 ft
Tool Length:	60.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	42000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	40000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3378.00		
Hydraulic tool	5.00			3383.00		
Packer	5.00			3388.00	20.00	Bottom Of Top Packer
Packer	5.00			3393.00		
Stubb	1.00			3394.00		
Perforations	2.00			3396.00		
Change Over Sub	1.00			3397.00		
Recorder	0.00	8018	Inside	3397.00		
Blank Spacing	29.00			3426.00		
Change Over Sub	1.00			3427.00		
Perforations	3.00			3430.00		
Recorder	0.00	13308	Outside	3430.00		
Bullnose	3.00			3433.00	40.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Alan Bangert

Radke-Ochs Unit #1

16 16S 14W Barton KS

Job Ticket: 26174 **DST#: 4**

Test Start: 2006.12.13 @ 09:56:36

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	39 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	27000 ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

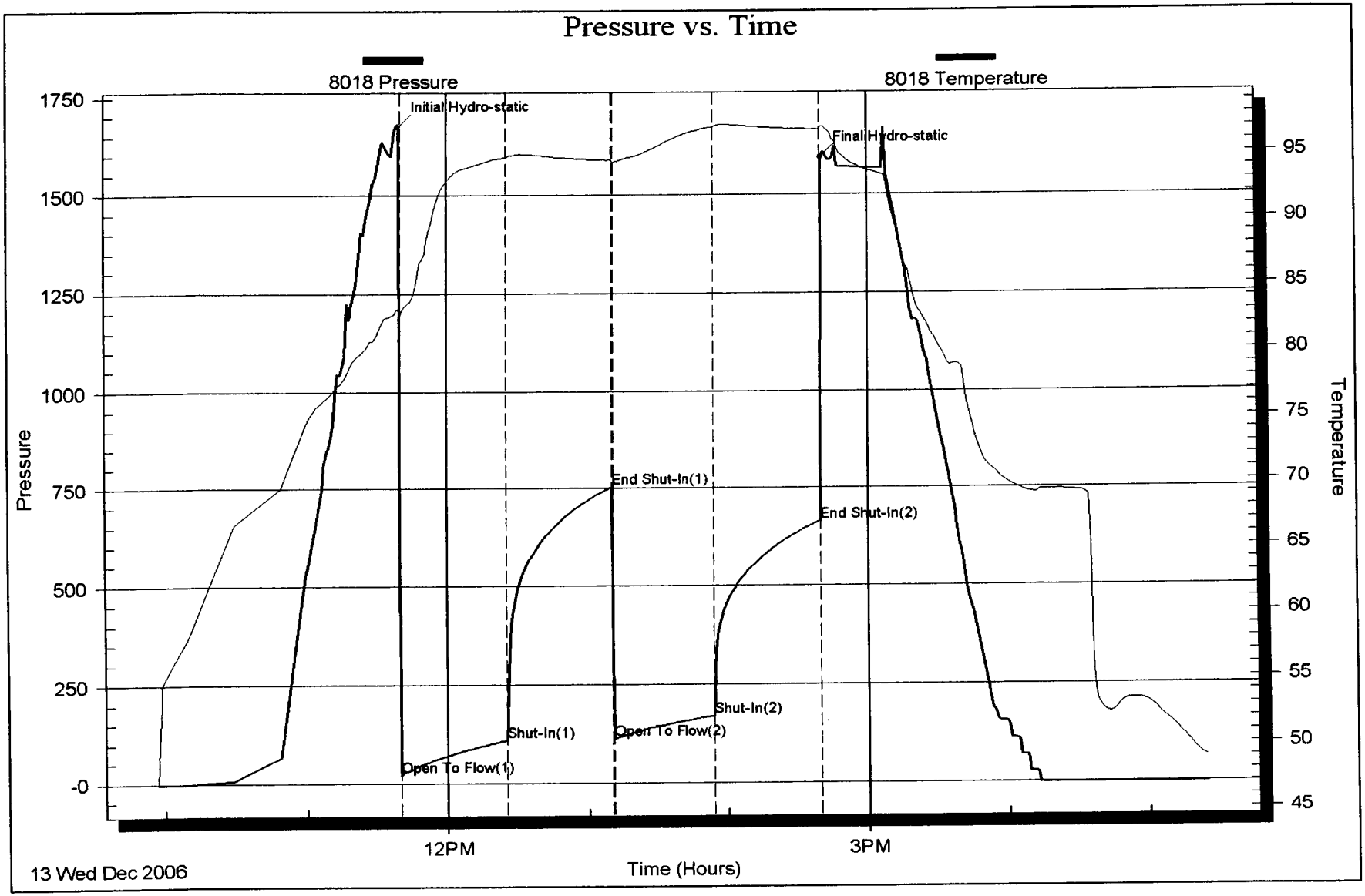
Length ft	Description	Volume bbl
125.00	SW	1.753
65.00	GOMCW 4%G 1%O 15%M 80%W	0.912
115.00	GOWCM 5%G 5%O 35%W 55%M	1.613
50.00	Gssy Oil 10%G 90%O	0.701
0.00	75 GIP	0.000

Total Length: 355.00 ft Total Volume: 4.979 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)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
-0
95
90
85
80
75
70
65
60
55
50
45
12PM
3PM
Time (Hours)
13 Wed Dec 2006

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

10/05

9640

25827

Test Ticket

Well Name & No. Radke-Ochs Unit #1 Test No. 1 Date 12-11-06

Company Mai Oil Operations, Inc. Zone Tested Lans./K.C. 'B'-'C'

Address P.O. Box 33 Russell, Kansas 676665 Elevation 1958 KB 1950 GL

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

Location: Sec. 16 Twp. 16S Rge. 14W Co. Barton State K.S.

Comment: Release date / time:

Interval Tested 3183-3220 Initial Str Wt./Lbs. 38,000 Unseated Str Wt/Lbs. 40,000

Anchor Length 37 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 58,000

Top Packer Depth 3178 Tool Weight 2,100

Bottom Packer Depth 3183 Hole Size 7 7/8" √ Rubber Size 6 3/4" √

Total Depth 3220 Wt. Pipe Run 0 Drill Collar Run 56

Mud Wt. 9.2 LCM 0 Vis. 62 WL 8.0 Drill Pipe Size 4½" XH Ft. Run 3141

Blow Description IF: Strong blow. B.O.B. in 4½ mins.
ISI: Weak blow. Built to 1."
FF: Strong blow. B.O.B. in 4½ mins.
FSI: Weak blow. Built to 3."

Recovery - Total Feet 200 GIP 1300 Ft. in DC 56 Ft. in DP 144

Rec. 20	Feet of SGW+MCO	10 %gas	70 %oil	5 %water	15 %mud
Rec. 124	Feet of SW+MCGO	35 %gas	50 %oil	10 %water	5 %mud
Rec. 56	Feet of SO+MCW	%gas	5 %oil	85 %water	10 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 95 °F Gravity N/C °API D @ ~ °F Corrected Gravity ~ °API

RW .115 @ 55 °F Chlorides 80,000 ppm Recovery ~ Chlorides 5,300 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1581	PSI	Recorder No.	6798	Test √	1100
(B) First Initial Flow Pressure		18	PSI	(depth)	3184	Jars	
(C) First Final Flow Pressure		60	PSI	Recorder No.	13249	Safety Jt.	
(D) Initial Shut-In Pressure		656	PSI	(depth)	3217	Circ Sub	
(E) Second Initial Flow Pressure		68	PSI	Recorder No.	~	Sampler	
(F) Second Final Flow Pressure		96	PSI	(depth)	~	Straddle	
(G) Final Shut-In Pressure		648	PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1475	PSI	Initial Shut-In	45	Shale Packer	
				Final Flow	45	Ruined Packer	
				Final Shut-In	45	Mileage 84	105
				T-On Location	0215	Sub Total:	
				T-Started	0338	Std. By Hr	100
				T-Open	0556	Acc. Chg:	~
				T-Pulled	0903	Other:	
				T-Out	1115	Total:	$1305

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Approved By Kitt Noah

Our Representative Gerald Adams

Thank You.

CHART PAGE

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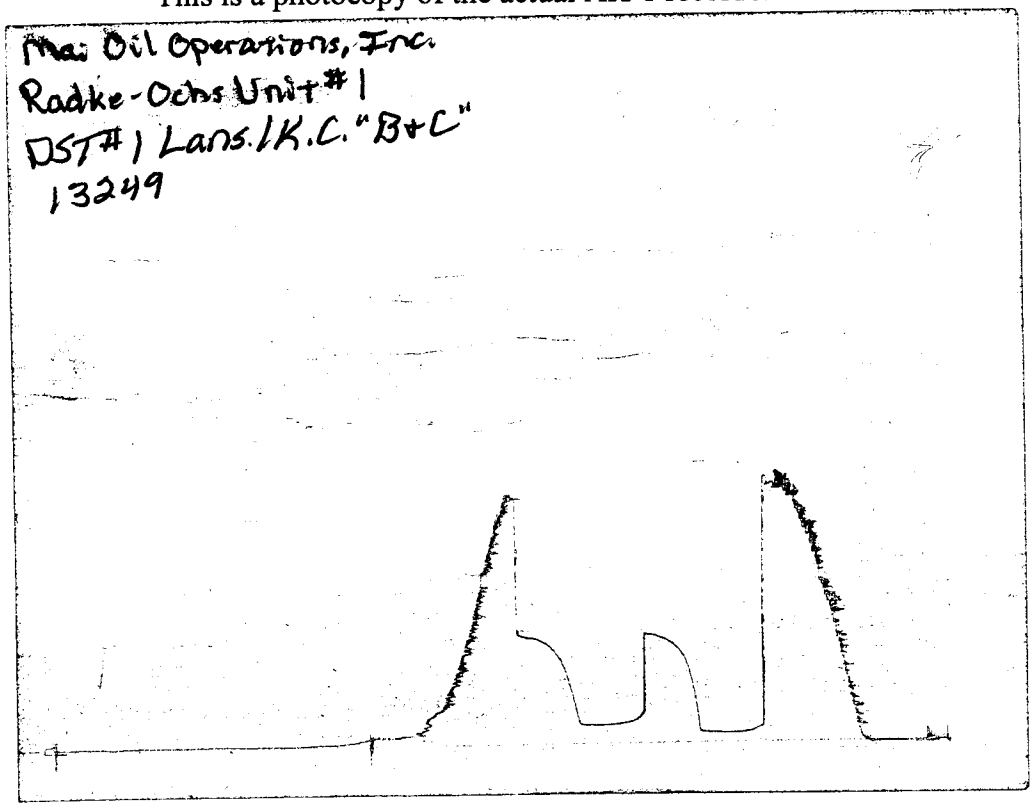

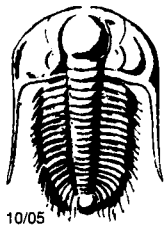

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

26172

9640

Test Ticket

Well Name & No. RADKE-OCHS UNIT #1 Test No. #2 Date 12-11-06

Company MAI OIL OPER, INC. Zone Tested L.KC.-E & F

Address Elevation 1958 KB 1950 GL

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

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

Comment: Release date / time:

Interval Tested 3235 To 3266 Initial Str Wt./Lbs. 38,000 Unseated Str Wt/Lbs. 38,000

Anchor Length 31 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 42,000

Top Packer Depth 3230 Tool Weight 2,200

Bottom Packer Depth 3235 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3266 Wt. Pipe Run 0 Drill Collar Run 0

Mud Wt. 9.2 LCM Vis. WL Drill Pipe Size 4 1/2 XH Ft. Run 3230

Blow Description IF-WEAK SURF. ISI-DEAD

FF.-DEAD FLUSH TOOL WEAK SURF. FSI-DEAD

Recovery - Total Feet 30 GIP 0 Ft. in DC 0 Ft. in DP 30

Rec. 30 Feet of D. MUD WITH OIL SPOTS %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 87 °F Gravity — °API D @ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery — Chlorides 5,300 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1594 PSI	Recorder No.	8018	Test ✓	1100
(B) First Initial Flow Pressure		12 PSI	(depth)	3238	Jars	
(C) First Final Flow Pressure		19 PSI	Recorder No.	13308	Safety Jt.	
(D) Initial Shut-In Pressure		300 PSI	(depth)	3263	Circ Sub	
(E) Second Initial Flow Pressure		21 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		25 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		137 PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1554 PSI	Initial Shut-In	30	Shale Packer	
			Final Flow	30	Ruined Packer	
			Final Shut-In	30	Mileage RT-84	105
			T-On Location	20:00	Sub Total:	
			T-Started	20:25	Std. By	
			T-Open	21:53	Acc. Chg:	
			T-Pulled	23:55	Other:	
			T-Out	01:58	Total:	$1205

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Approved By Kitt Noah

Our Representative John J. Schmidt

CHART PAGE

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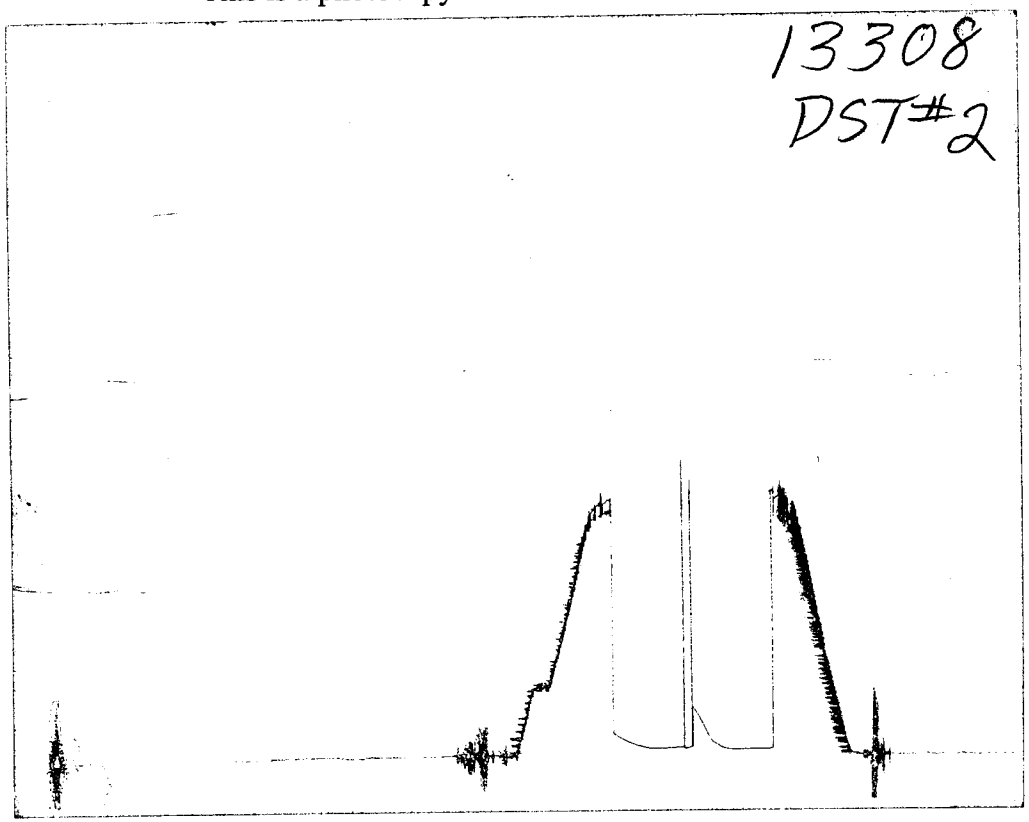

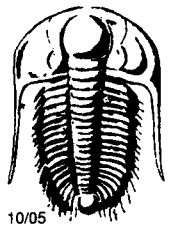

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

26173

Test Ticket

Well Name & No. RADKE-OCHS UNIT #1 Test No. #3 Date 12-12-06

Company MAI OIL OPER, INC. Zone Tested L. Kc. - H To L

Address Elevation 1958 KB 1950 GL

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

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

Comment: Release date / time:

Interval Tested 3308 To 3394 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 40,000

Anchor Length 86' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 44,000

Top Packer Depth 3303 Tool Weight 2,200

Bottom Packer Depth 3308 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3394 Wt. Pipe Run 0 Drill Collar Run 0

Mud Wt. 9.2 LCM 0 Vis. 54 WL 9.2 Drill Pipe Size 4 1/2 XH Ft. Run 3318

Blow Description IF. - WEAK TO GOOD BUILT TO 8" IN. ISI - DEAD

FF. - WEAK TO GOOD BUILT TO 6" IN. FSI - DEAD

Recovery - Total Feet 210 GIP 100' Ft. in DC 0 Ft. in DP

Rec. 180	Feet of MSW	%gas	%oil	90 %water	10 %mud
Rec. 30	Feet of G.O.	5 %gas	95 %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 94 °F Gravity 38 °API D @ 40 °F Corrected Gravity 36 °API

RW .3 @ 40 °F Chlorides 45,000 ppm Recovery — Chlorides 8,700 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		1650 PSI	Recorder No.	8018	Test ✓	1100
(B) First Initial Flow Pressure		16 PSI	(depth)	3312	Jars	
(C) First Final Flow Pressure		67 PSI	Recorder No.	11084	Safety Jt.	
(D) Initial Shut-In Pressure		223 PSI	(depth)	3376	Circ Sub	
(E) Second Initial Flow Pressure		68 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		103 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		221 PSI	**Initial Opening**	60	Ext. Packer	
(Q) Final Hydrostatic Mud		1586 PSI	Initial Shut-In	60	Shale Packer	
			Final Flow	60	Ruined Packer	
			Final Shut-In	60	Mileage RT.-33	105
			T-On Location	15:45	Sub Total:	
			T-Started	16:43	Std. By	
			T-Open		Acc. Chg:	
			T-Pulled		Other:	
			T-Out		Total:	$1205

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Approved By Kitt Noah

Our Representative John J. Schmidt

CHART PAGE

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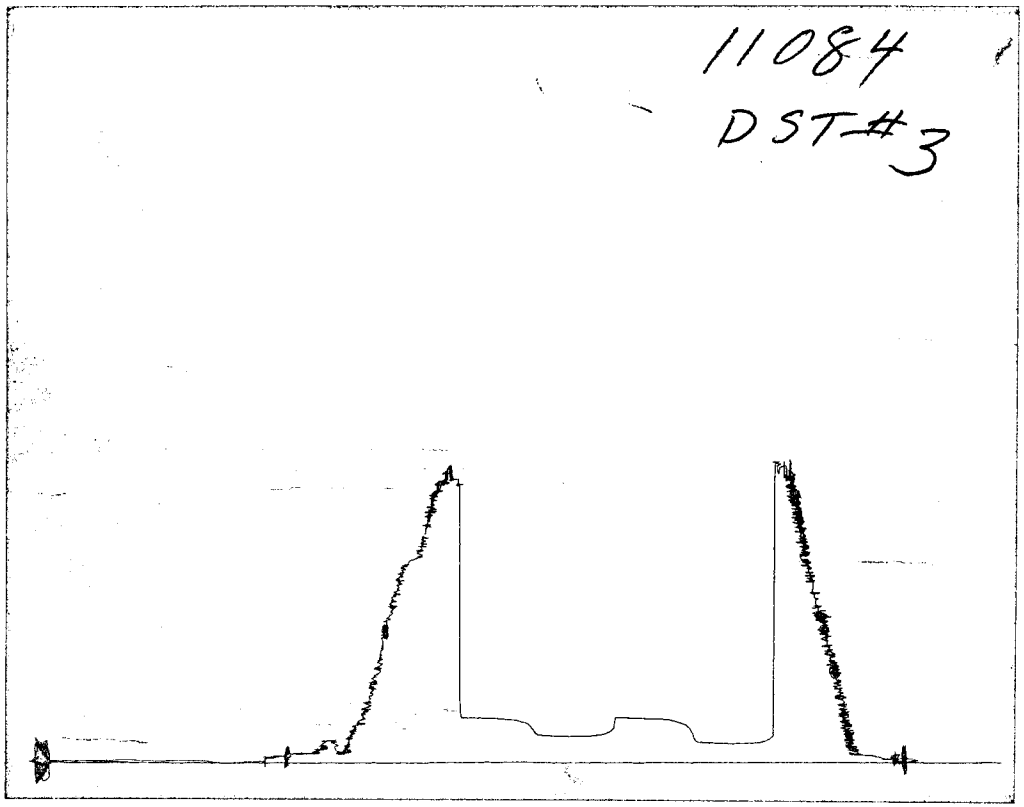

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

10/05

26174

Test Ticket

Well Name & No. RADKE-OCHS UNIT #1 Test No. #4 Date 12-13-06
Company MAI OIL OPER. INC. Zone Tested ARBUCKLE
Address _____ Elevation 1958 KB 1950 GL
Co. Rep / Geo. KITT NOAH Rig SOUTHWIND #3
Location: Sec. 16 Twp. 16S Rge. 14W Co. BARTON State KS
Comment: _____ Release date / time: _____

Interval Tested 3393 To 3433 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 40,000
Anchor Length 40' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 42,000
Top Packer Depth 3388 Tool Weight 2,200
Bottom Packer Depth 3393 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
Total Depth 3433 Wt. Pipe Run 0 Drill Collar Run 0
Mud Wt. 9.1 LCM 0 Vis. 51 WL 8.0 Drill Pipe Size 4½ XH Ft. Run 3383
Blow Description IF- STRONG B.O.B. 14 MIN. ISI- WEAK SURFACE.
FF- GOOD BUILT TO 9" IN. FSI- WEAK SURFACE.

Recovery - Total Feet 355' GIP 75' Ft. in DC 0 Ft. in DP 355

Rec. 125	Feet of SW	%gas	%oil	%water	%mud	
Rec. 65	Feet of GOMCW	1 %gas	1 %oil	80 %water	15 %mud	
Rec. 115	Feet of GOWCM	5 %gas	5 %oil	35 %water	55 %mud	
Rec. 50	Feet of G.O.	10 %gas	90 %oil	%water	%mud	
Rec.	Feet of	%gas	%oil	%water	%mud	

BHT 96 °F Gravity 39 °API D @ 60 °F Corrected Gravity 39 °API
RW .28 @ 65 °F Chlorides 27,000 ppm Recovery — Chlorides — ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1676 PSI	Recorder No.	8018	Test ✓	1100
(B) First Initial Flow Pressure		20 PSI	(depth)	3397	Jars	
(C) First Final Flow Pressure		109 PSI	Recorder No.	13308	Safety Jt.	
(D) Initial Shut-In Pressure		753 PSI	(depth)	3430	Circ Sub	
(E) Second Initial Flow Pressure		113 PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		170 PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		663 PSI	**Initial Opening**	45	Ext. Packer	
(Q) Final Hydrostatic Mud		1595 PSI	Initial Shut-In	45	Shale Packer	
			Final Flow	45	Ruined Packer	
			Final Shut-In	45	Mileage RT-33	105
			T-On Location	09:30	Sub Total:	
			T-Started	09:56	Std. By	
			T-Open	11:39	Acc. Chg:	
			T-Pulled	14:40	Other:	$1205
			T-Out	17:24	Total:	

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Approved By Kitt Noah
Our Representative John J. Schmitt

CHART PAGE

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