7-33s-8E

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Marmik Oil Co**

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

7 33S 8E Cowley KS

Jaax #1

Start Date: 2008.04.27 @ 00:39:21
End Date: 2008.04.27 @ 10:05:31
Job Ticket #: 29888 DST #: 1

15-035-24292-00-00
E2 SE NE
1650 FNL 1257 FEL

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MAY 27 2008
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Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

DRILL STEM TEST REPORT

Marmik Oil Co

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

Jaax #1

7 33S 8E Cowley KS

Job Ticket: 29888 **DST#: 1**

Test Start: 2008.04.27 @ 00:39:21

GENERAL INFORMATION:

Formation: **Pawine Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:37:15
Time Test Ended: 10:05:31

Test Type: Conventional Bottom Hole
Tester: Kevin Taylor
Unit No: 23

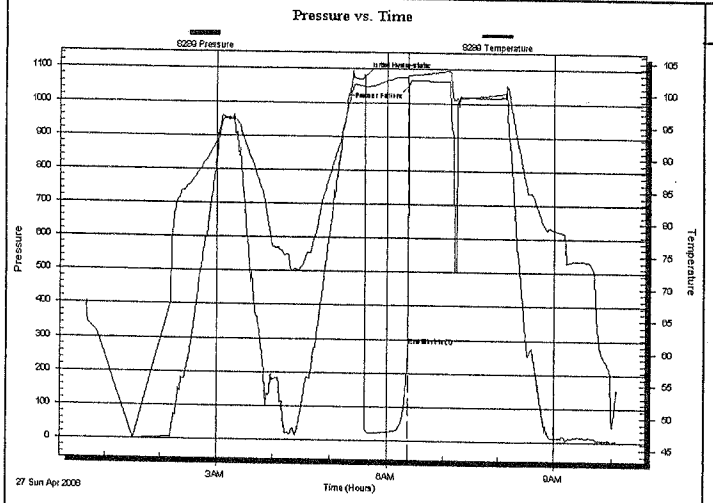
Interval: 2300.00 ft (KB) To 2345.00 ft (KB) (TVD)
Total Depth: 2345.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1180.00 ft (KB)
1172.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8289 **Inside**
Press@RunDepth: 282.15 psig @ 2301.00 ft (KB)
Start Date: 2008.04.27 End Date: 2008.04.27
Start Time: 00:39:21 End Time: 10:05:31

Capacity: 7000.00 psig
Last Calib.: 2008.04.27
Time On Btm: 2008.04.27 @ 05:37:00
Time Off Btm:

TEST COMMENT: IF Weak blow built to 1/2 " in 30 min
ISI No Blow
FSI Packer Failer



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1078.38	101.15	Initial Hydro-static
46	282.15	102.61	End Shut-In(1)
47	1053.13	102.82	--Packer Failure

Recovery

Length (ft)	Description	Volume (bbl)
1045.00	Mud	12.57

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Marmik Oil Co

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

Jaax #1

7 33S 8E Cowley KS

Job Ticket: 29888 **DST#: 1**

Test Start: 2008.04.27 @ 00:39:21

Tool Information

Drill Pipe:	Length:	1928.00 ft	Diameter:	3.88 inches	Volume:	28.20 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	373.00 ft	Diameter:	2.75 inches	Volume:	2.74 bbl	
					Total Volume:	30.94 bbl	

Drill Pipe Above KB:	29.00 ft
Depth to Top Packer:	2300.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	45.00 ft
Tool Length:	73.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2800.00 lb
Weight set on Packer:	30000.00 lb
Weight to Pull Loose:	61000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	50000.00 lb
Final	56000.00 lb

Tool Comments:
Packer Failer 2nd Opening

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2273.00		
Shut In Tool	5.00			2278.00		
Hydraulic tool	5.00			2283.00		
Jars	5.00			2288.00		
Safety Joint	3.00			2291.00		
Packer	4.00			2295.00	28.00	Bottom Of Top Packer
Packer	5.00			2300.00		
Stubb	1.00			2301.00		
Recorder	0.00	8370	Inside	2301.00		
Recorder	0.00	8289	Inside	2301.00		
Perforations	39.00			2340.00		
Bullnose	5.00			2345.00	45.00	Bottom Packers & Anchor
Total Tool Length:	**73.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Marmik Oil Co

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

Jaax #1

7 33S 8E Cowley KS

Job Ticket: 29888 **DST#: 1**

Test Start: 2008.04.27 @ 00:39:21

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:	40.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	800.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

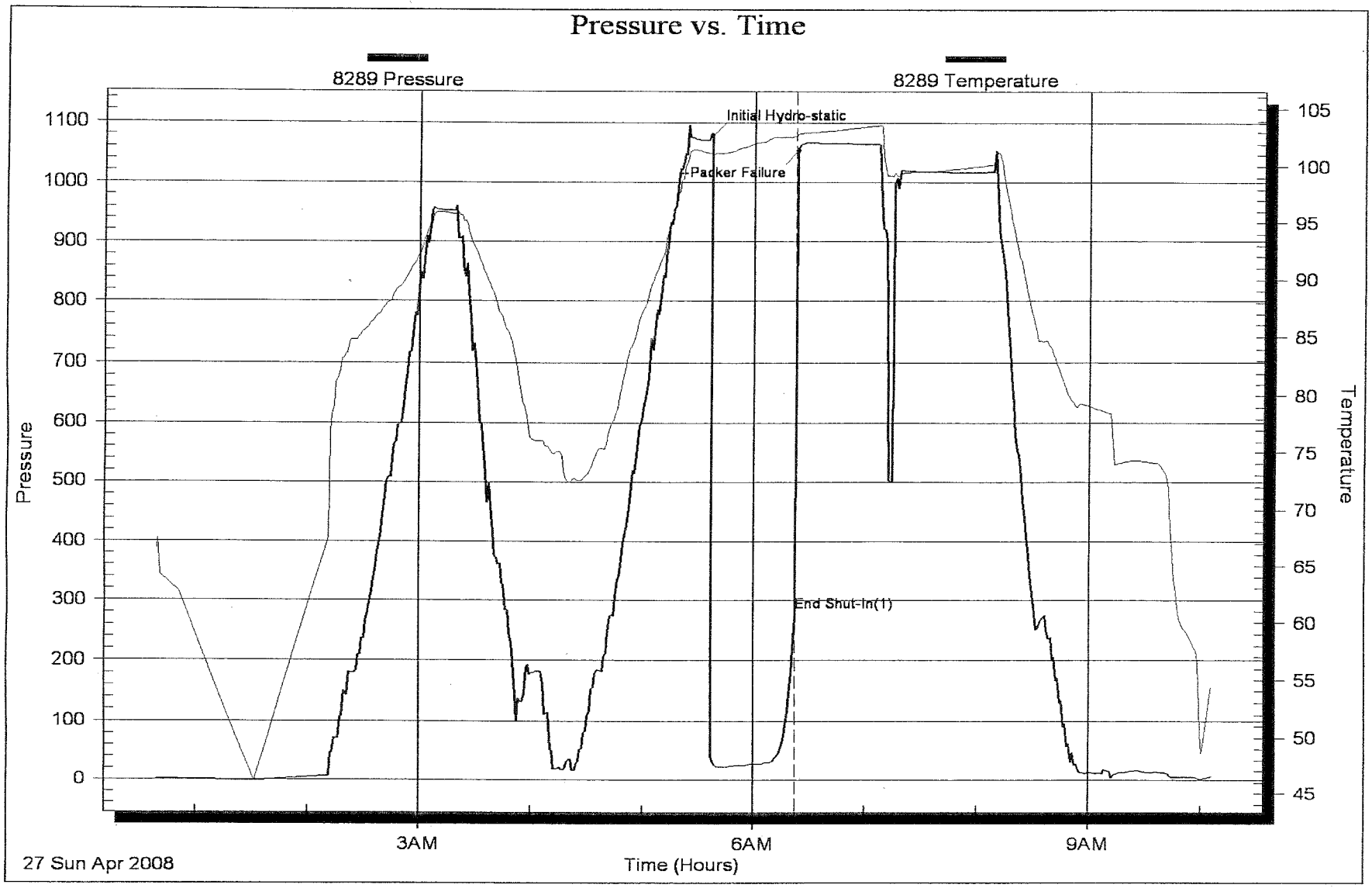
Length ft	Description	Volume bbl
1045.00	Mud	12.568

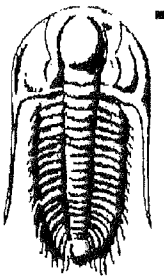
Total Length: 1045.00 ft Total Volume: 12.568 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8289 Pressure
8289 Temperature
Initial Hydro-static
Packer Failure
End Shut-In(1)
Pressure
Temperature
1100
1000
900
800
700
600
500
400
300
200
100
0
105
100
95
90
85
80
75
70
65
60
55
50
45
3AM
6AM
9AM
27 Sun Apr 2008
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Marmik Oil Co**

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

7 33S 8E Cowley KS

Jaax #1

Start Date: 2008.04.28 @ 09:13:59
End Date: 2008.04.28 @ 13:35:59
Job Ticket #: 29889 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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MAY 27 2008
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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Marmik Oil Co

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

Jaax #1

7 33S 8E Cowley KS

Job Ticket: 29889 **DST#: 2**

Test Start: 2008.04.28 @ 09:13:59

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:45:59
Time Test Ended: 13:35:59

Test Type: Conventional Bottom Hole
Tester: Kevin Taylor
Unit No: 23

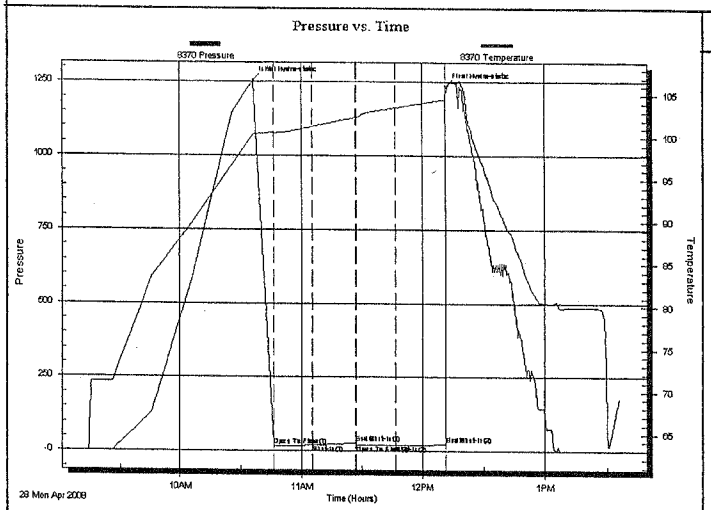
Interval: 2664.00 ft (KB) To 2686.00 ft (KB) (TVD)
Total Depth: 2686.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1180.00 ft (KB)
1172.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8370 **Inside**
Press@RunDepth: 19.58 psig @ 2665.00 ft (KB)
Start Date: 2008.04.28 End Date: 2008.04.28
Start Time: 09:14:04 End Time: 13:35:58

Capacity: 7000.00 psig
Last Calib.: 2008.04.28
Time On Btm: 2008.04.28 @ 10:35:59
Time Off Btm: 2008.04.28 @ 12:11:44

TEST COMMENT: IF Weak Blow 1/4 "
ISI No Blow
FF No Blow
FSI No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1254.97	100.36	Initial Hydro-static
10	17.72	100.54	Open To Flow (1)
29	18.95	101.29	Shut-In(1)
51	27.00	102.40	End Shut-In(1)
52	19.87	102.40	Open To Flow (2)
71	19.58	103.51	Shut-In(2)
96	22.79	104.51	End Shut-In(2)
96	1235.59	105.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.07

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Marmik Oil Co

200 N Jefferson
ElDorado AR 71730

ATTN: Ben Landes

Jaax #1

7 33S 8E Cowley KS

Job Ticket: 29889 **DST#: 2**

Test Start: 2008.04.28 @ 09:13:59

Tool Information

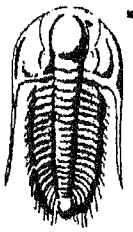
Drill Pipe:	Length:	2284.00 ft	Diameter:	3.88 inches	Volume:	33.40 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	373.00 ft	Diameter:	2.75 inches	Volume:	2.74 bbl	
					Total Volume:	36.14 bbl	

Drill Pipe Above KB:	21.00 ft
Depth to Top Packer:	2664.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	22.00 ft
Tool Length:	50.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2800.00 lb
Weight set on Packer:	30000.00 lb
Weight to Pull Loose:	56000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	54000.00 lb
Final	54000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2637.00		
Shut In Tool	5.00			2642.00		
Hydraulic tool	5.00			2647.00		
Jars	5.00			2652.00		
Safety Joint	3.00			2655.00		
Packer	4.00			2659.00	28.00	Bottom Of Top Packer
Packer	5.00			2664.00		
Stubb	1.00			2665.00		
Recorder	0.00	8370	Inside	2665.00		
Recorder	0.00	8289	Inside	2665.00		
Perforations	16.00			2681.00		
Bullnose	5.00			2686.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					



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Marmik Oil Co

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ATTN: Ben Landes

Jaax #1

7 33S 8E Cowley KS

Job Ticket: 29889 **DST#: 2**

Test Start: 2008.04.28 @ 09:13:59

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:	9.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	800.00 ppm				
Filter Cake:	0.02 inches				

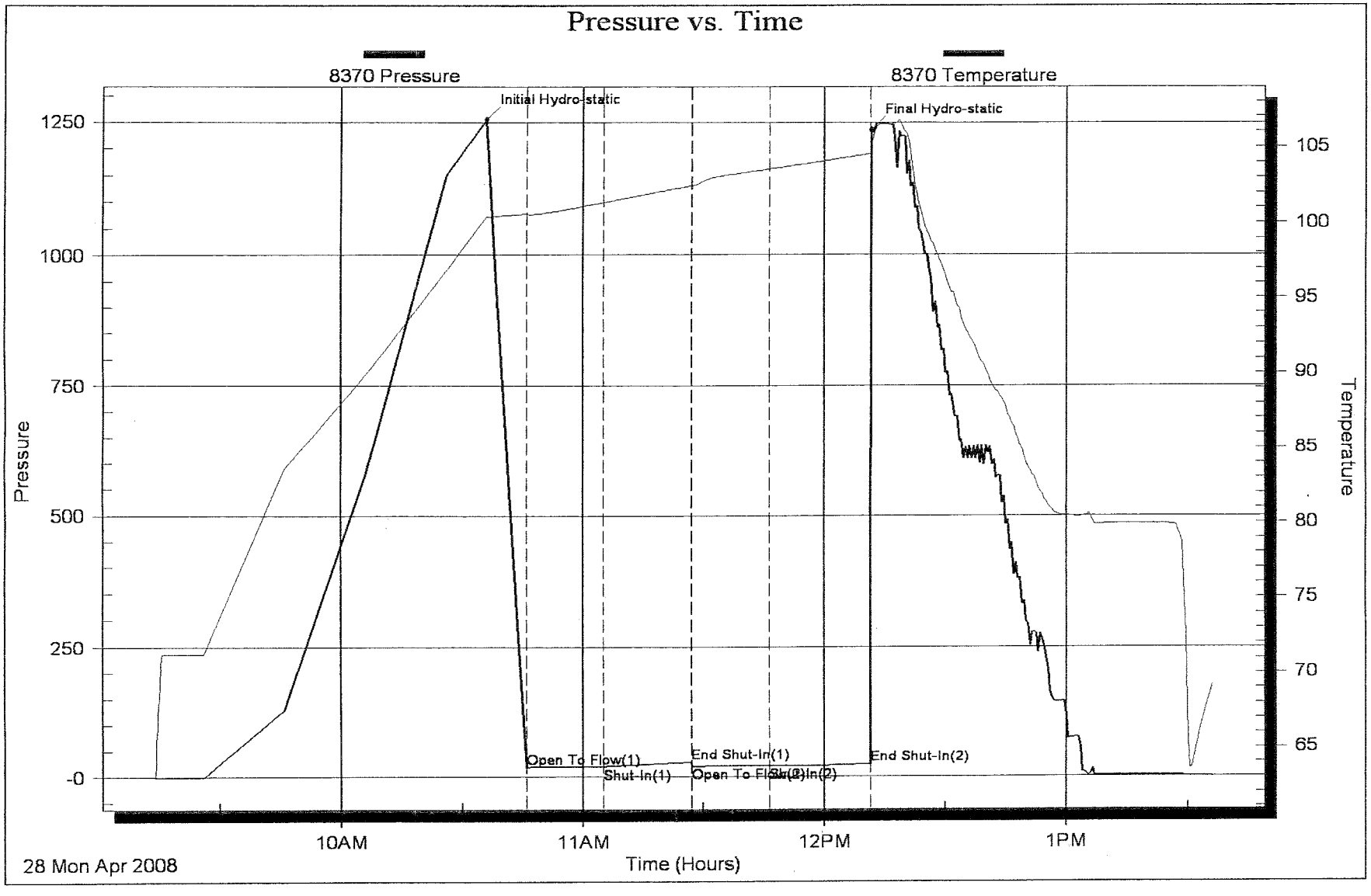
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.073

Total Length: 10.00 ft Total Volume: 0.073 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8370 Pressure
8370 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
1250
1000
750
500
250
-0
Pressure
105
100
95
90
85
80
75
70
65
Temperature
10AM
11AM
12PM
1PM
Time (Hours)
28 Mon Apr 2008