15-163-23721 16-7s-20w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

16 7S 20W Rooks KS

Ross Unit #1

Start Date: 2008.05.12 @ 05:09:43
End Date: 2008.05.12 @ 06:42:03
Job Ticket #: 31953 DST #: 1

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

Ross Unit #1

16 7S 20W Rooks KS

Job Ticket: 31953 **DST#: 1**

Test Start: 2008.05.12 @ 05:09:43

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 06:42:03

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3326.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition:

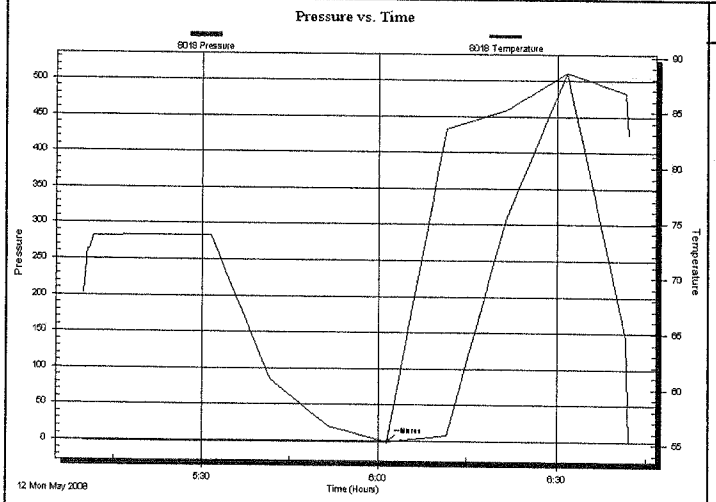
Reference Elevations: 2148.00 ft (KB)
2143.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: psig @ 3330.00 ft (KB)
Start Date: 2008.05.12 End Date: 2008.05.12
Start Time: 05:09:43 End Time: 06:42:03

Capacity: 7000.00 psig
Last Calib.: 2008.05.12
Time On Btm:
Time Off Btm:

TEST COMMENT: Hit bridge 19 stands in trip out



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-1.88	55.16	--Misrun

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

Ross Unit #1

16 7S 20W Rooks KS

Job Ticket: 31953 **DST#: 1**

Test Start: 2008.05.12 @ 05:09:43

Tool Information

Drill Pipe:	Length:	3326.00 ft	Diameter:	3.80 inches	Volume:	46.66 bbl	Tool Weight:	2500.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	lb	
					Total Volume:	46.66 bbl	Tool Chased	ft	
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	lb	
Depth to Top Packer:		3326.00 ft					Final	lb	
Depth to Bottom Packer:		ft							
Interval between Packers:		101.00 ft							
Tool Length:		121.00 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			3311.00		
Hydraulic tool	5.00			3316.00		
Packer	5.00			3321.00	20.00	Bottom Of Top Packer
Packer	5.00			3326.00		
Stubb	1.00			3327.00		
Perforations	2.00			3329.00		
Change Over Sub	1.00			3330.00		
Recorder	0.00	8018	Inside	3330.00		
Recorder	0.00	6755	Outside	3330.00		
Blank Spacing	93.00			3423.00		
Change Over Sub	1.00			3424.00		
Bullnose	3.00			3427.00	101.00	Bottom Packers & Anchor
Total Tool Length:	**121.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

Ross Unit #1

16 7S 20W Rooks KS

Job Ticket: 31953 **DST#: 1**

Test Start: 2008.05.12 @ 05:09:43

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

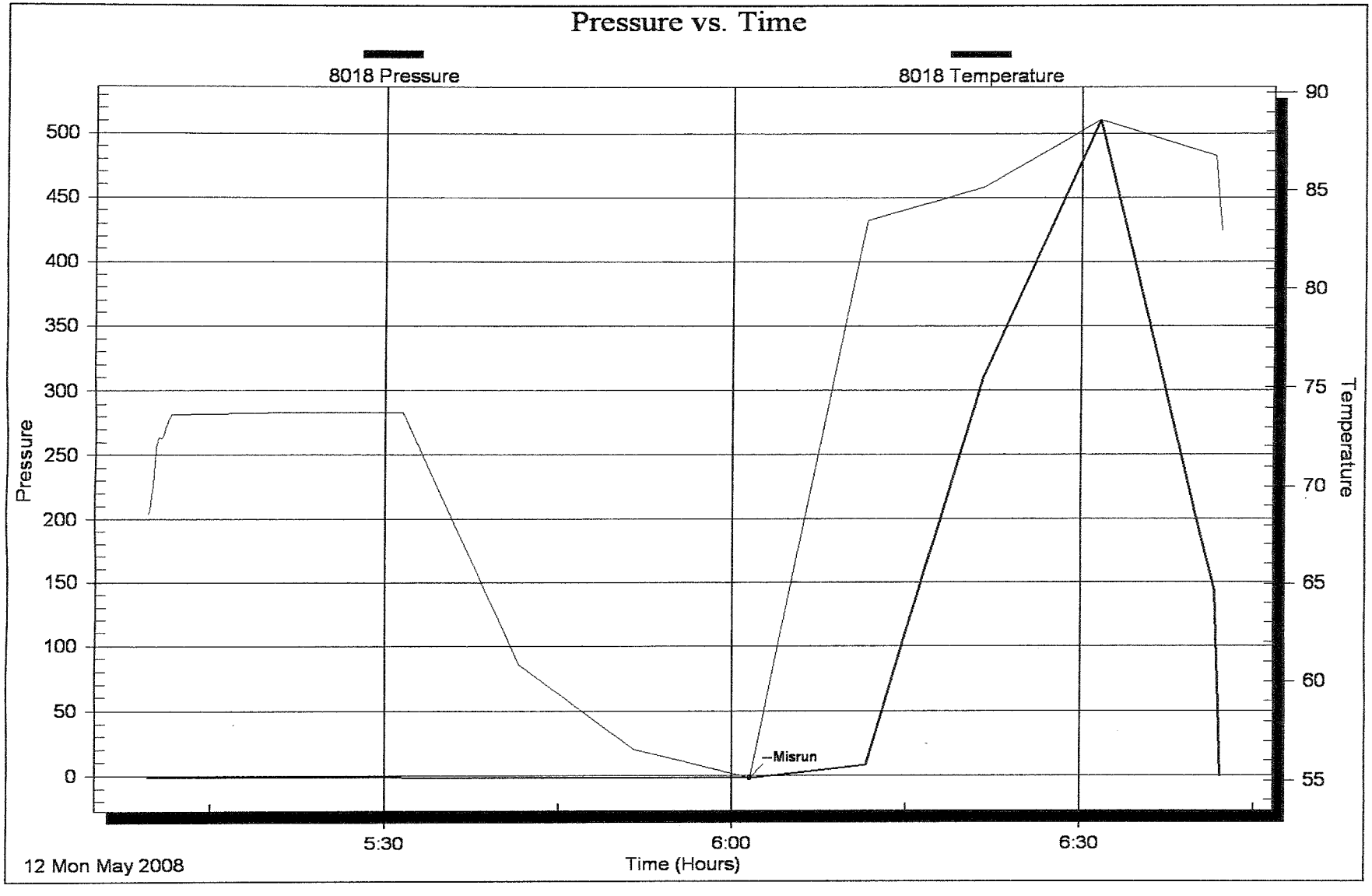
Length ft	Description	Volume bbl

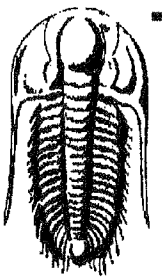
Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8018 Pressure
8018 Temperature
Pressure
Temperature
500
450
400
350
300
250
200
150
100
50
0
90
85
80
75
70
65
60
55
Misrun
5:30
6:00
6:30
12 Mon May 2008
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Bach Oil**

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

16 7S 20W Rooks KS

Ross Unit #1

Start Date: 2008.05.12 @ 13:06:20
End Date: 2008.05.12 @ 18:11:44
Job Ticket #: 31954 DST #: 2

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

DRILL STEM TEST REPORT

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

Ross Unit #1

16 7S 20W Rooks KS

Job Ticket: 31954 **DST#: 2**

Test Start: 2008.05.12 @ 13:06:20

GENERAL INFORMATION:

Formation: **Tor. LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:50:15
Time Test Ended: 18:11:44

Test Type: Conventional Bottom Hole
Tester: Brian Fairbank
Unit No: 41

Interval: 3326.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition:

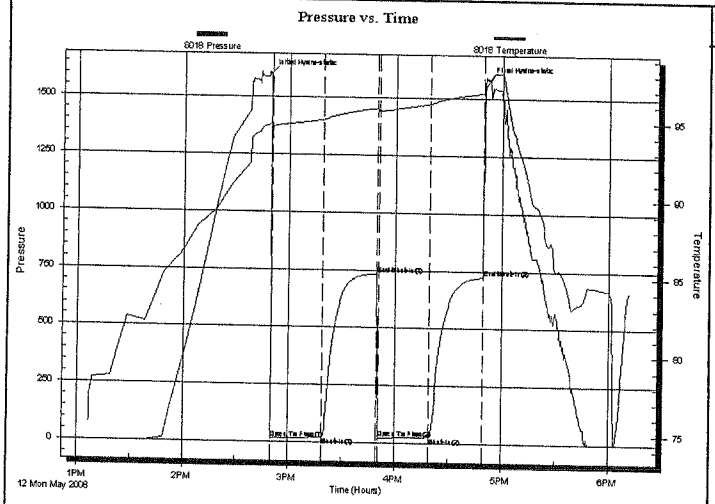
Reference Elevations: 2148.00 ft (KB)
2143.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 27.78 psig @ 3330.00 ft (KB)
Start Date: 2008.05.12 End Date: 2008.05.12
Start Time: 13:06:20 End Time: 18:11:44

Capacity: 7000.00 psig
Last Calib.: 2008.05.12
Time On Btm: 2008.05.12 @ 14:49:15
Time Off Btm: 2008.05.12 @ 16:51:45

TEST COMMENT: IFP 1/4 " blow died 13 min. weak intermittant sur blow after 22 min.
ISI No blow back
FFP No blow 13 min. - weak sur blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.92	94.81	Initial Hydro-static
1	14.98	94.54	Open To Flow (1)
30	20.80	95.06	Shut-In(1)
61	733.20	95.83	End Shut-In(1)
62	21.81	95.64	Open To Flow (2)
90	27.78	96.13	Shut-In(2)
120	722.54	96.83	End Shut-In(2)
123	1580.55	97.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M	0.42

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

Ross Unit #1

16 7S 20W Rooks KS

Job Ticket: 31954 **DST#: 2**

Test Start: 2008.05.12 @ 13:06:20

Tool Information

Drill Pipe:	Length:	3326.00 ft	Diameter:	3.80 inches	Volume:	46.66 bbl	Tool Weight:	2500.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	46.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	32000.00 lb
Depth to Top Packer:		3326.00 ft					Final	33000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		101.00 ft						
Tool Length:		121.00 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			3311.00		
Hydraulic tool	5.00			3316.00		
Packer	5.00			3321.00	20.00	Bottom Of Top Packer
Packer	5.00			3326.00		
Stubb	1.00			3327.00		
Perforations	2.00			3329.00		
Change Over Sub	1.00			3330.00		
Recorder	0.00	8018	Inside	3330.00		
Recorder	0.00	6755	Outside	3330.00		
Blank Spacing	93.00			3423.00		
Change Over Sub	1.00			3424.00		
Bullnose	3.00			3427.00	101.00	Bottom Packers & Anchor
Total Tool Length:	**121.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Oil

PO Box 723
Alma NE 68920

ATTN: Randy Kilian

Ross Unit #1

16 7S 20W Rooks KS

Job Ticket: 31954 **DST#: 2**

Test Start: 2008.05.12 @ 13:06:20

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:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.37 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

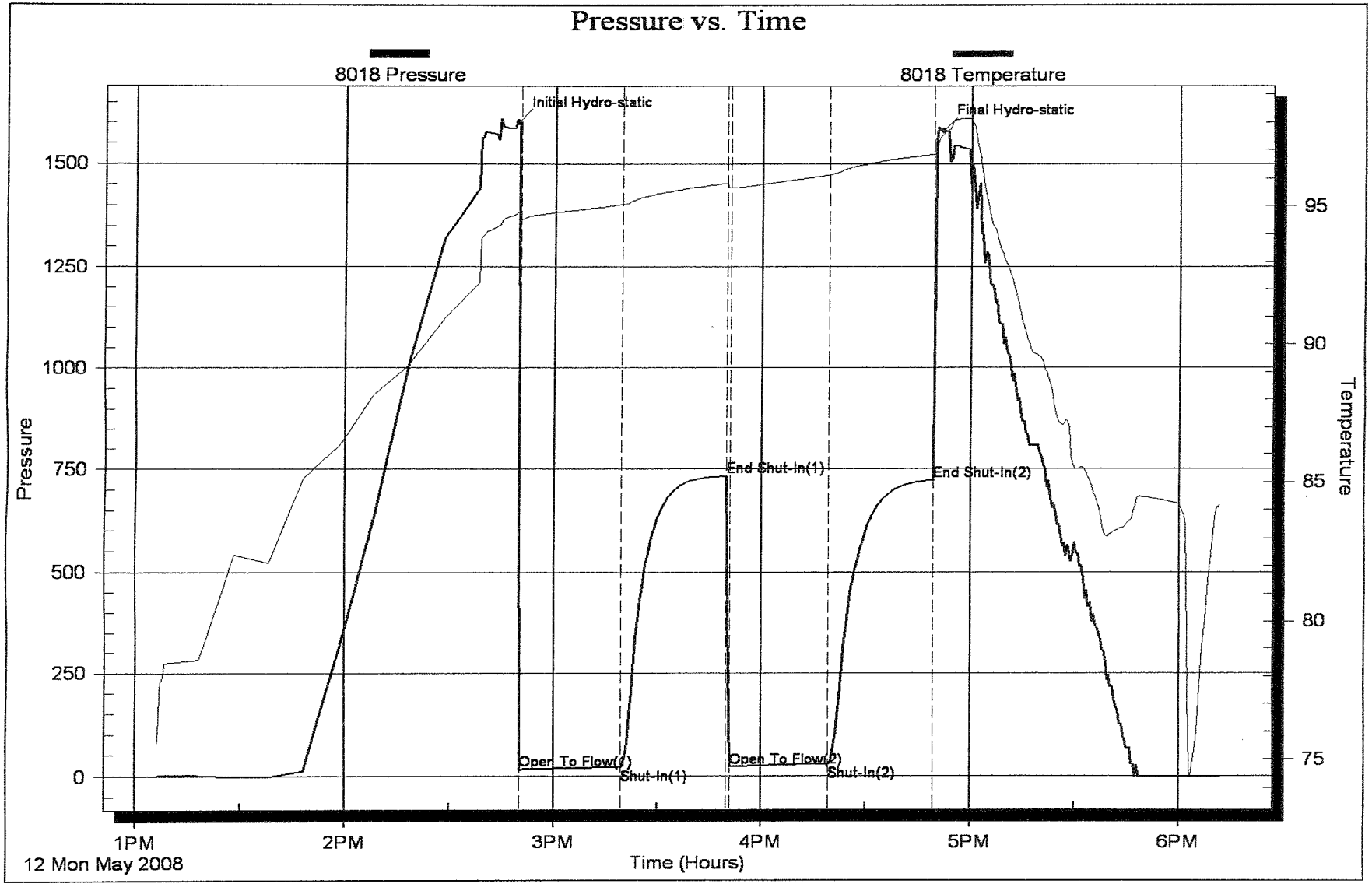
Length ft	Description	Volume bbl
30.00	100%M	0.421

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)
Pressure
Temperature
1500
1250
1000
750
500
250
0
95
90
85
80
75
1PM
2PM
3PM
4PM
5PM
6PM
12 Mon May 2008
Time (Hours)