15-195-22438 24-14s-22w

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

24 14 22 TREGO KS

Lecuyer EF 1-24

Start Date: 2007.03.06 @ 00:44:46
End Date: 2007.03.06 @ 07:00:16
Job Ticket #: 28231 DST #: 1

KCC
MAY 15 2007
CONFIDENTIAL

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

Pintail Petroleum
Lecuyer EF 1-24
24 14 22 TREGO KS
DST # 1
FT Scott
2007.03.06

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Lecuyer EF 1-24

24 14 22 TREGO KS

Job Ticket: 28231 **DST#: 1**

Test Start: 2007.03.06 @ 00:44:46

GENERAL INFORMATION:

Formation: **FT Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:54:46
Time Test Ended: 07:00:16

Test Type: Conventional Bottom Hole
Tester: Michael Armbrister
Unit No: 31

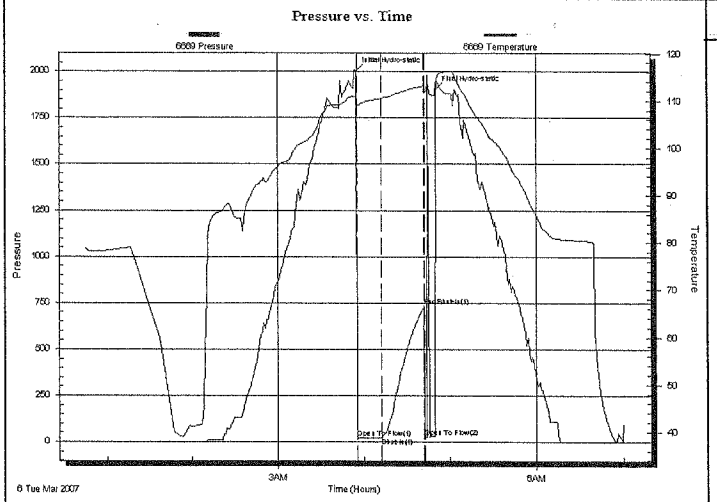
Interval: 4020.00 ft (KB) To 4085.00 ft (KB) (TVD)
Total Depth: 4085.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2217.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**
Press@RunDepth: 22.51 psig @ 4024.00 ft (KB)
Start Date: 2007.03.06 End Date: 2007.03.06
Start Time: 00:44:51 End Time: 07:00:15

Capacity: 7000.00 psig
Last Calib.: 2007.03.06
Time On Btm: 2007.03.06 @ 03:54:16
Time Off Btm: 2007.03.06 @ 04:50:16

TEST COMMENT: IF Weak surface blow died 14 m
ISI Dead
FF Dead Flushed tool Dead Pulled



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2002.51	110.98	Initial Hydro-static
1	20.56	107.78	Open To Flow (1)
18	22.51	110.55	Shut-In(1)
48	731.84	113.19	End Shut-In(1)
48	24.93	111.88	Open To Flow (2)
56	1905.14	113.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Lecuyer EF 1-24

24 14 22 TREGO KS

Job Ticket: 28231 **DST#: 1**

Test Start: 2007.03.06 @ 00:44:46

Tool Information

Drill Pipe:	Length:	3760.00 ft	Diameter:	3.80 inches	Volume:	52.74 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	247.00 ft	Diameter:	2.25 inches	Volume:	1.21 bbl	
					Total Volume:	53.95 bbl	

Drill Pipe Above KB:	15.00 ft
Depth to Top Packer:	4020.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	65.00 ft
Tool Length:	93.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	60000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	56000.00 lb
Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3993.00		
Shut In Tool	5.00			3998.00		
Hydraulic tool	5.00			4003.00		
Jars	5.00			4008.00		
Safety Joint	3.00			4011.00		
Packer	4.00			4015.00	28.00	Bottom Of Top Packer
Packer	5.00			4020.00		
Stubb	1.00			4021.00		
Perforations	2.00			4023.00		
Change Over Sub	1.00			4024.00		
Recorder	0.00	6669	Inside	4024.00		
Blank Spacing	32.00			4056.00		
Change Over Sub	1.00			4057.00		
Recorder	0.00	11084	Outside	4057.00		
Perforations	25.00			4082.00		
Bullnose	3.00			4085.00	65.00	Bottom Packers & Anchor
Total Tool Length:	**93.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Lecuyer EF 1-24

24 14 22 TREGO KS

Job Ticket: 28231 **DST#: 1**

Test Start: 2007.03.06 @ 00:44:46

Mud and Cushion Information

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

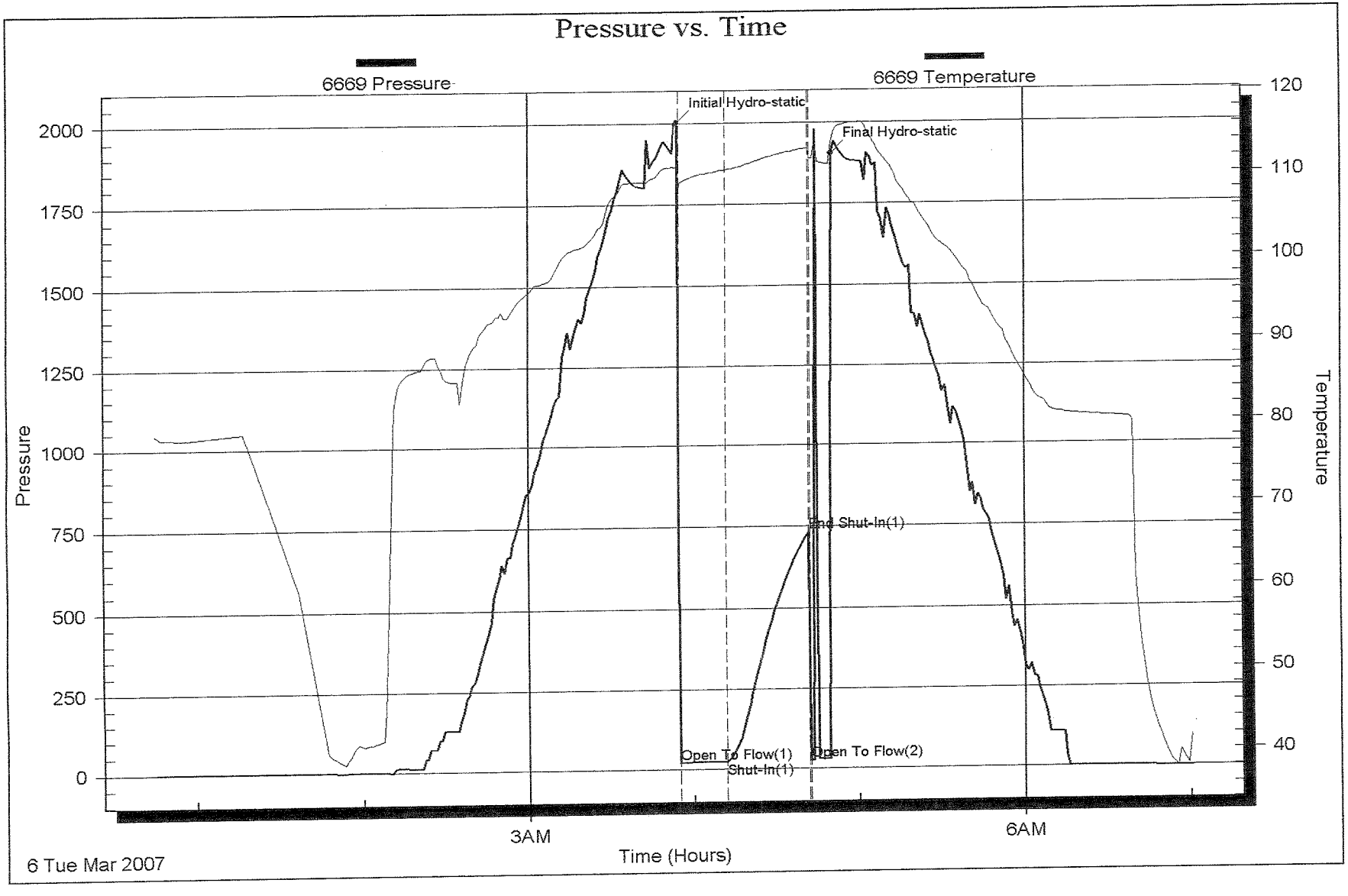
Recovery Information

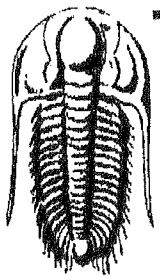
Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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


Pressure vs. Time
6669 Pressure
6669 Temperature
Initial Hydro-static
Final Hydro-static
Final Shut-In(1)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
3AM
6AM
Time (Hours)
6 Tue Mar 2007



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

24 14 22 TREGO KS

Lecuyer EF 1-24

Start Date: 2007.03.06 @ 16:30:59
End Date: 2007.03.07 @ 00:07:29
Job Ticket #: 28252 DST #: 2

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Lecuyer EF 1-24

24 14 22 TREGO KS

Job Ticket: 28252 **DST#: 2**

Test Start: 2007.03.06 @ 16:30:59

GENERAL INFORMATION:

Formation: **Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:45:29
Time Test Ended: 00:07:29

Test Type: Conventional Bottom Hole
Tester: Michael Armbrister
Unit No: 31

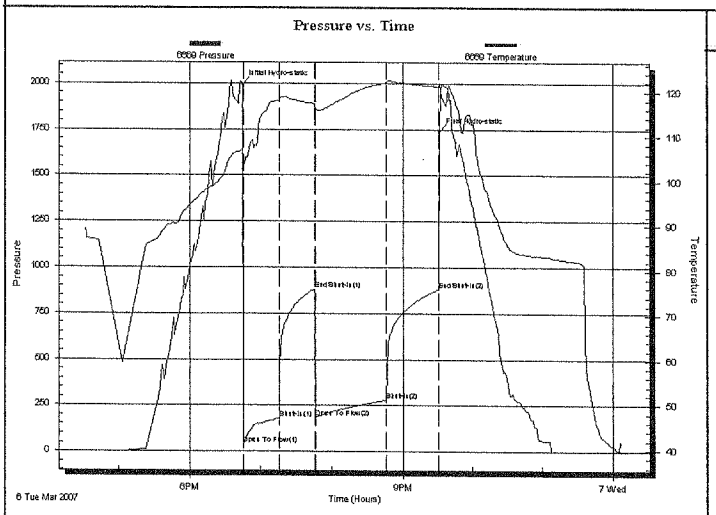
Interval: 4028.00 ft (KB) To 4118.00 ft (KB) (TVD)
Total Depth: 4118.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2217.00 ft (KB)
2212.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 **Inside**
Press@RunDepth: 280.33 psig @ 4032.00 ft (KB)
Start Date: 2007.03.06 End Date: 2007.03.07
Start Time: 16:31:04 End Time: 00:07:28

Capacity: 7000.00 psig
Last Calib.: 2007.03.07
Time On Btm: 2007.03.06 @ 18:44:59
Time Off Btm: 2007.03.06 @ 21:31:28

TEST COMMENT: IF B of B 18 m
ISI Dead
FF B of B 36 m
FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.38	106.97	Initial Hydro-static
1	39.69	103.59	Open To Flow (1)
31	180.63	117.95	Shut-In(1)
60	881.95	117.35	End Shut-In(1)
61	185.87	116.08	Open To Flow (2)
121	280.33	122.00	Shut-In(2)
166	879.37	121.22	End Shut-In(2)
167	1739.85	121.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
247.00	MW 15%W 85%W	1.21
62.00	Water Cut Mud 30%W70%m	0.87
62.00	SOCMW 2%O 3%W 95%M	0.87
186.00	SOCM 5%O 95%M	2.61
20.00	OcutM 20%O 80%M	0.28
20.00	Clean Oil	0.28

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Lecuyer EF 1-24

24 14 22 TREGO KS

Job Ticket: 28252 **DST#: 2**

Test Start: 2007.03.06 @ 16:30:59

Tool Information

Drill Pipe:	Length:	3762.00 ft	Diameter:	3.80 inches	Volume:	52.77 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	247.00 ft	Diameter:	2.25 inches	Volume:	1.21 bbl	
					Total Volume:	53.98 bbl	

Drill Pipe Above KB:	9.00 ft
Depth to Top Packer:	4028.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	90.00 ft
Tool Length:	118.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	65000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	59000.00 lb
Final	60000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4001.00		
Shut In Tool	5.00			4006.00		
Hydraulic tool	5.00			4011.00		
Jars	5.00			4016.00		
Safety Joint	3.00			4019.00		
Packer	4.00			4023.00	28.00	Bottom Of Top Packer
Packer	5.00			4028.00		
Stubb	1.00			4029.00		
Perforations	2.00			4031.00		
Change Over Sub	1.00			4032.00		
Recorder	0.00	6669	Inside	4032.00		
Blank Spacing	62.00			4094.00		
Change Over Sub	1.00			4095.00		
Recorder	0.00	11084	Outside	4095.00		
Perforations	20.00			4115.00		
Bullnose	3.00			4118.00	90.00	Bottom Packers & Anchor
Total Tool Length:	**118.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

225 N Market St Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Lecuyer EF 1-24

24 14 22 TREGO KS

Job Ticket: 28252 **DST#: 2**

Test Start: 2007.03.06 @ 16:30:59

Mud and Cushion Information

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

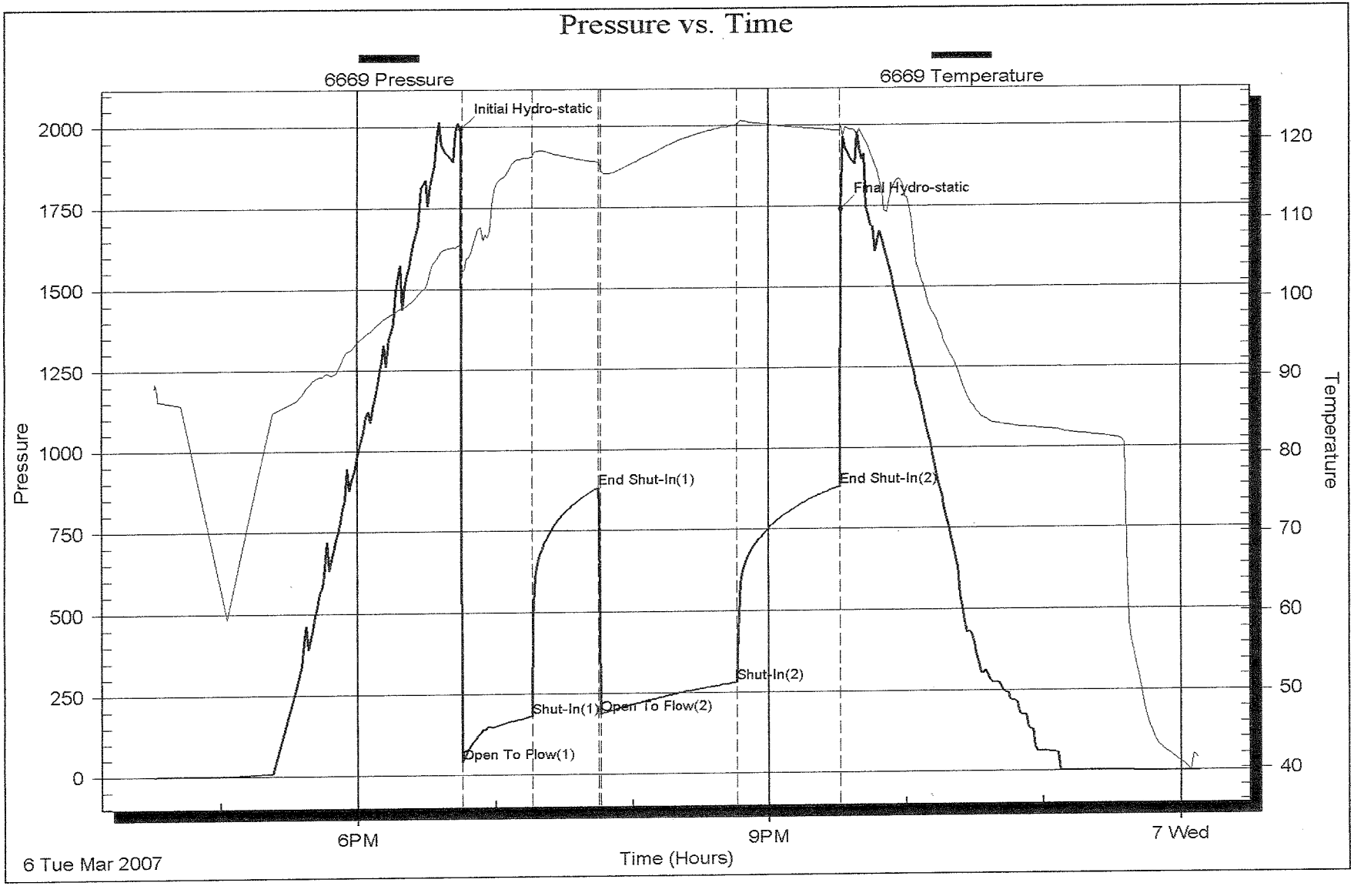
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
247.00	MW 15%W 85%W	1.215
62.00	Water Cut Mud 30%W70%m	0.870
62.00	SOCMW 2%O 3%W 95%M	0.870
186.00	SOCM 5%O 95%M	2.609
20.00	OcutM 20%O 80%M	0.281
20.00	Clean Oil	0.281

Total Length: 597.00 ft Total Volume: 6.126 bbl

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


Pressure vs. Time
6669 Pressure
6669 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
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
6PM
9PM
7 Wed
Time (Hours)
6 Tue Mar 2007