15-007-23280

22-31s-13w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prairie Resources**

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

22 31S 13W Barber KS

JAYNE
~~Jayen~~ # 1

Start Date: 2008.06.17 @ 19:34:26
End Date: 2008.06.18 @ 06:24:56
Job Ticket #: 31658 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 10 2008
CONSERVATION DIVISION
WICHITA, KS

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

Prairie Resources
Jayen # 1
22 31S 13W Barber KS
DST # 2
Lower Dugles Sands
2008.06.17

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Prairie Resources

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

Jayen # 1

22 31S 13W Barber KS

Job Ticket: 31658 **DST#: 2**

Test Start: 2008.06.17 @ 19:34:26

GENERAL INFORMATION:

Formation: **Lower Dugles Sands**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:53:26
Time Test Ended: 06:24:56

Test Type: Conventional Bottom Hole
Tester: Kevin Taylor
Unit No: 24

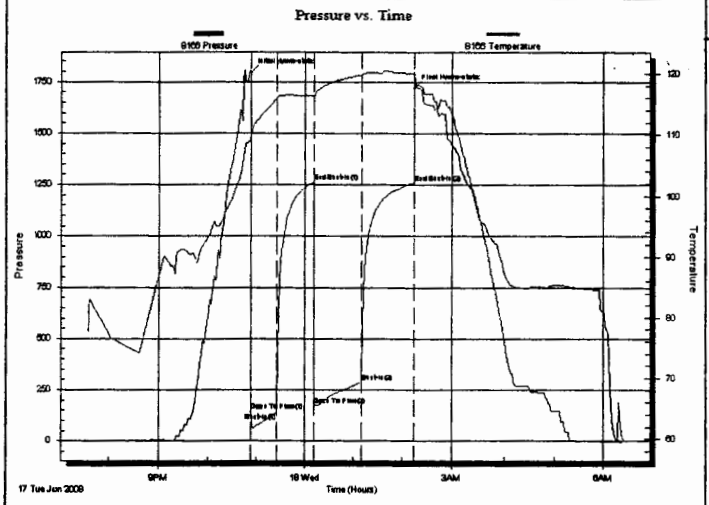
Interval: 3653.00 ft (KB) To 3680.00 ft (KB) (TVD)
Total Depth: 3380.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1593.00 ft (KB)
1585.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**
Press@RunDepth: 287.84 psig @ 3654.00 ft (KB)
Start Date: 2008.06.17 End Date: 2008.06.18
Start Time: 19:34:31 End Time: 06:24:56

Capacity: 7000.00 psig
Last Calib.: 2008.06.18
Time On Btm: 2008.06.17 @ 22:53:06
Time Off Btm: 2008.06.18 @ 02:14:56

TEST COMMENT: I.F. Strong Blow B.O.B. 30 Secf. G.T.S 30 Min See Gas Flow Report.
I.S.I. Blead Off 10 Min Faor Blow B.O.B. 10 Min Dead In 30 Min
F.F. Fair Blow B.O.B. 3 Min See Gas Flow Report.
F.S.I. Blead Off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1793.67	109.89	Initial Hydro-static
1	149.01	109.48	Open To Flow (1)
33	139.57	115.95	Shut-In(1)
78	1263.50	116.43	End Shut-In(1)
78	175.45	116.04	Open To Flow (2)
138	287.84	119.79	Shut-In(2)
202	1259.73	120.03	End Shut-In(2)
202	1719.60	120.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	OGCM 10%G 20%O 70%M	0.73
60.00	OGWCM 5%G 5%O 30%W 60%M	0.44
411.00	CGW 5%G 95%W	5.20

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	1.50	5.95
Max. Gas Rate	0.13	2.00	6.14

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prairie Resources

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

Jayen # 1

22 31S 13W Barber KS

Job Ticket: 31658 **DST#: 2**

Test Start: 2008.06.17 @ 19:34:26

Tool Information

Drill Pipe:	Length:	3372.00 ft	Diameter:	3.88	inches	Volume:	49.31	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	271.00 ft	Diameter:	2.75	inches	Volume:	1.99	bbl	
						Total Volume:	51.30	bbl	

Drill Pipe Above KB:	13.00 ft	Number of Packers:	2
Depth to Top Packer:	3653.00 ft	Diameter:	6.75 inches
Depth to Bottom Packer:	ft		
Interval between Packers:	27.00 ft		
Tool Length:	50.00 ft		

Tool Weight:	lb
Weight set on Packer:	lb
Weight to Pull Loose:	lb
Tool Chased	ft
String Weight: Initial	lb
Final	lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3631.00		
Shut In Tool	5.00			3636.00		
Hydraulic tool	5.00			3641.00		
Safety Joint	3.00			3644.00		
Packer	5.00			3649.00	23.00	Bottom Of Top Packer
Packer	4.00			3653.00		
Stubb	1.00			3654.00		
Recorder	0.00	8166	Inside	3654.00		
Recorder	0.00	8356	Outside	3654.00		
Perforations	23.00			3677.00		
Bullnose	3.00			3680.00	27.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Prairie Resources

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

Jayen # 1

22 31S 13W Barber KS

Job Ticket: 31658 **DST#: 2**

Test Start: 2008.06.17 @ 19:34:26

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:	40000 ppm
Viscosity:	43.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

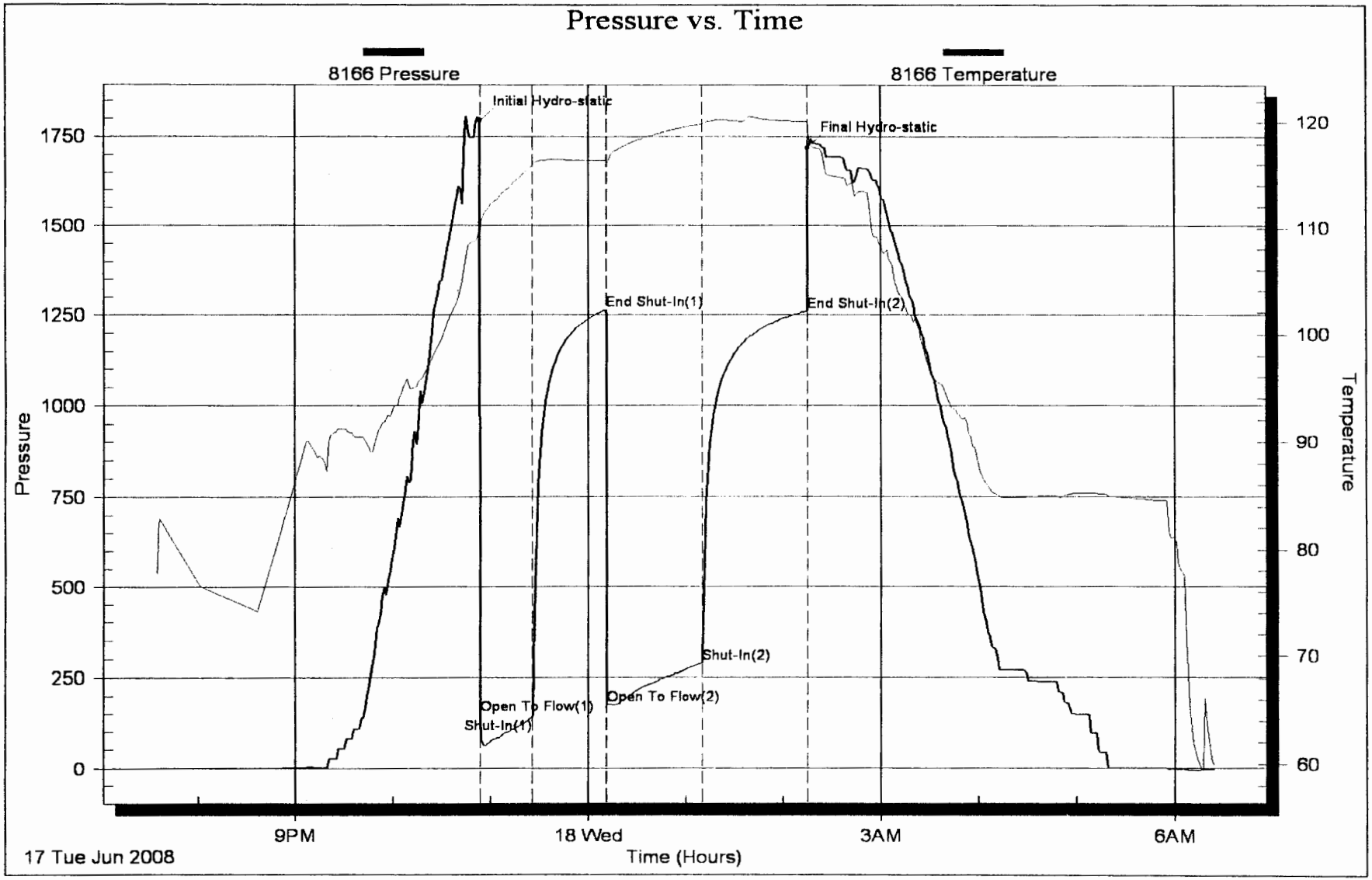
Length ft	Description	Volume bbl
100.00	OGCM 10%G 20%O 70%M	0.735
60.00	OGWCM 5%G 5%O 30%W 60%M	0.441
411.00	CGW 5%G 95%W	5.203

Total Length: 571.00 ft Total Volume: 6.379 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: KLT#1

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:


Pressure vs. Time
8166 Pressure
8166 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
9PM
18 Wed
3AM
6AM
17 Tue Jun 2008
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prairie Resources**

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

22 31S 13W Barber KS

JAYNE
~~Jayen~~ # 1

Start Date: 2008.06.16 @ 14:27:46
End Date: 2008.06.16 @ 23:07:16
Job Ticket #: 31657 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 10 2008

CONSERVATION DIVISION
WICHITA, KS

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

Prairie Resources
Jayen # 1
22 31S 13W Barber KS
DST # 1
Topeka
2008.06.16

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Prairie Resources

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

Jayen # 1

22 31S 13W Barber KS

Job Ticket: 31657 **DST#: 1**

Test Start: 2008.06.16 @ 14:27:46

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:26:06
Time Test Ended: 23:07:16

Test Type: Conventional Bottom Hole
Tester: Kevin Taylor
Unit No: 24

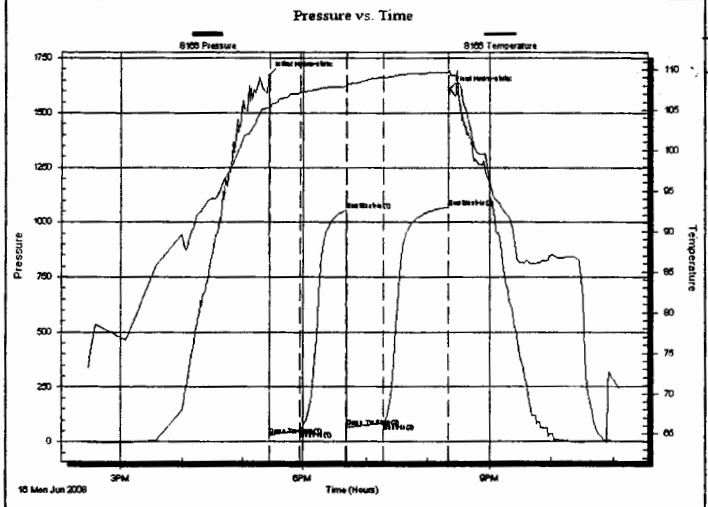
Interval: 3332.00 ft (KB) To 3370.00 ft (KB) (TVD)
Total Depth: 3370.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1593.00 ft (KB)
1585.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**
Press@RunDepth: 84.82 psig @ 3333.00 ft (KB)
Start Date: 2008.06.16 End Date: 2008.06.16
Start Time: 14:27:51 End Time: 23:07:16

Capacity: 7000.00 psig
Last Calib.: 2008.06.17
Time On Btm: 2008.06.16 @ 17:25:56
Time Off Btm: 2008.06.16 @ 20:20:06

TEST COMMENT: IF Weak blow built 4 1/4 " in 15 min died off to 3 " in 30 min
ISI No blow
FF Weak blow built to 2 1/2 " died in 30 mins
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.53	105.19	Initial Hydro-static
1	28.94	104.31	Open To Flow (1)
31	50.11	107.15	Shut-In(1)
74	1055.83	107.92	End Shut-In(1)
75	69.00	107.73	Open To Flow (2)
111	84.82	109.06	Shut-In(2)
174	1069.82	109.68	End Shut-In(2)
175	1604.32	109.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	OGCM 10%G 15%O 75%M	0.29
60.00	OGCM 20%G 10%O 70%M	0.44

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prairie Resources

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

Jayen # 1

22 31S 13W Barber KS

Job Ticket: 31657 **DST#: 1**

Test Start: 2008.06.16 @ 14:27:46

Tool Information

Drill Pipe:	Length:	3050.00 ft	Diameter:	3.88 inches	Volume:	44.60 bbl	Tool Weight:		lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		lb
Drill Collar:	Length:	271.00 ft	Diameter:	2.75 inches	Volume:	1.99 bbl	Weight to Pull Loose:		lb
					Total Volume:	46.59 bbl	Tool Chased		ft
Drill Pipe Above KB:		9.00 ft					String Weight:	Initial	lb
Depth to Top Packer:		3332.00 ft						Final	lb
Depth to Bottom Packer:		ft							
Interval between Packers:		38.00 ft							
Tool Length:		58.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3313.00		
Shut In Tool	5.00			3318.00		
Hydraulic tool	5.00			3323.00		
Packer	5.00			3328.00	20.00	Bottom Of Top Packer
Packer	4.00			3332.00		
Stubb	1.00			3333.00		
Recorder	0.00	8166	Inside	3333.00		
Recorder	0.00	8356	Outside	3333.00		
Perforations	34.00			3367.00		
Bullnose	3.00			3370.00	38.00	Bottom Packers & Anchor
Total Tool Length:	**58.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Prairie Resources

2530 NW Willow Rd
Medicine Lodge KS 67104

ATTN: Beth

Jayen # 1

22 31S 13W Barber KS

Job Ticket: 31657 **DST#: 1**

Test Start: 2008.06.16 @ 14:27:46

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:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4500.00 ppm				
Filter Cake:	0.02 inches				

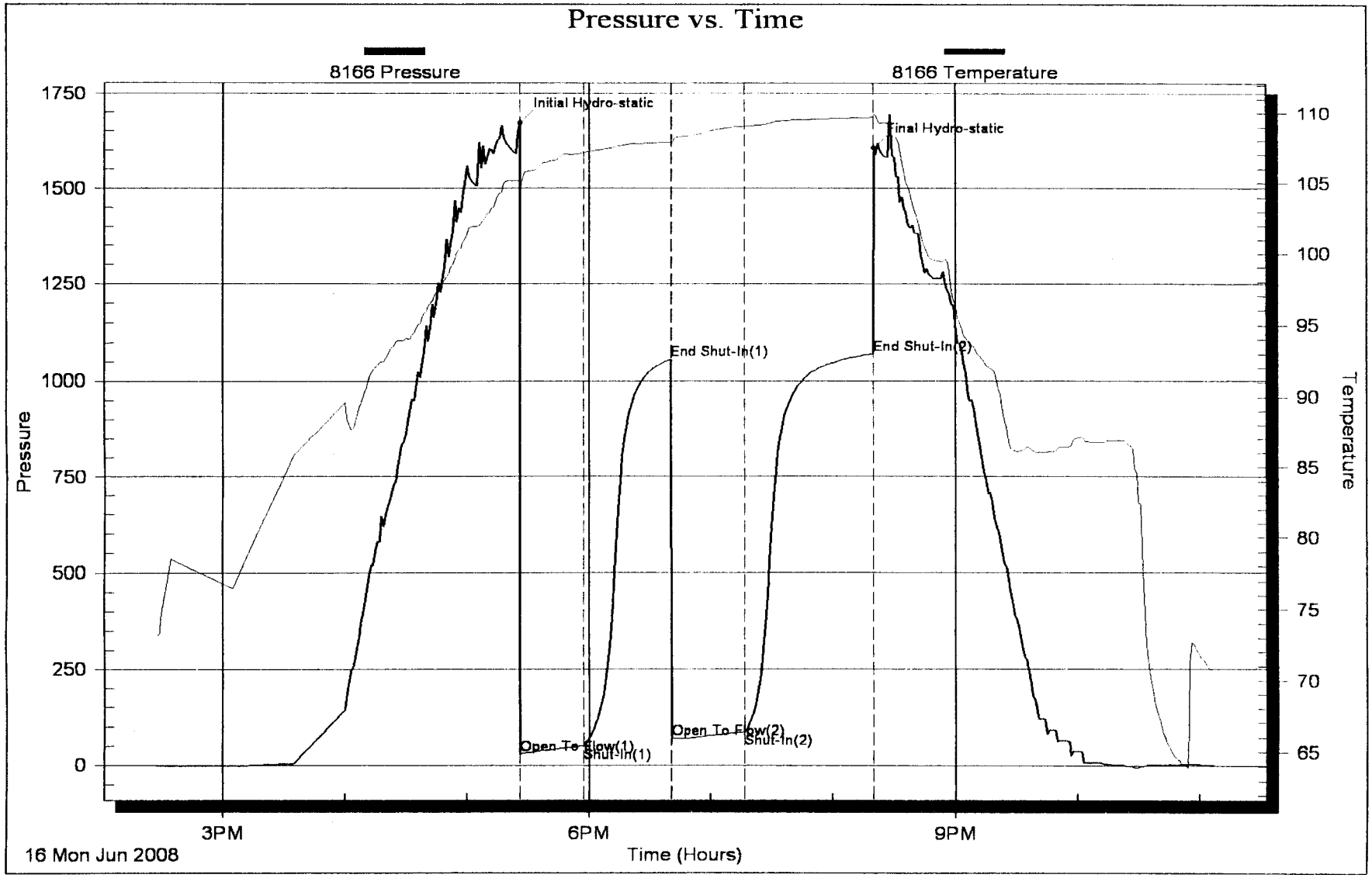
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OGCM 10%G 15%O 75%M	0.294
60.00	OGCM 20%G 10%O 70%M	0.441

Total Length: 100.00 ft Total Volume: 0.735 bbl

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


Pressure vs. Time
8166 Pressure
8166 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
110
105
100
95
90
85
80
75
70
65
3PM
6PM
9PM
16 Mon Jun 2008
Time (Hours)