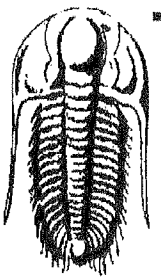
15-025-21458 13-31s-22w IND



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration Inc**

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

13 31S 22W Clark KS

Giles 3-13

Start Date: 2008.06.13 @ 08:53:29
End Date: 2008.06.13 @ 15:58:44
Job Ticket #: 31216 DST #: 1

CONFIDENTIAL
9-9-10

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

Falcon Exploration Inc
Giles 3-13
13 31S 22W Clark KS
DST # 1
Miss.
2008.06.13

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Falcon Exploration Inc

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

Giles 3-13

13 31S 22W Clark KS

Job Ticket: 31216 **DST#: 1**

Test Start: 2008.06.13 @ 08:53:29

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:16:59
Time Test Ended: 15:58:44

Test Type: Conventional Bottom Hole
Tester: Travy Cushenbery
Unit No: 30

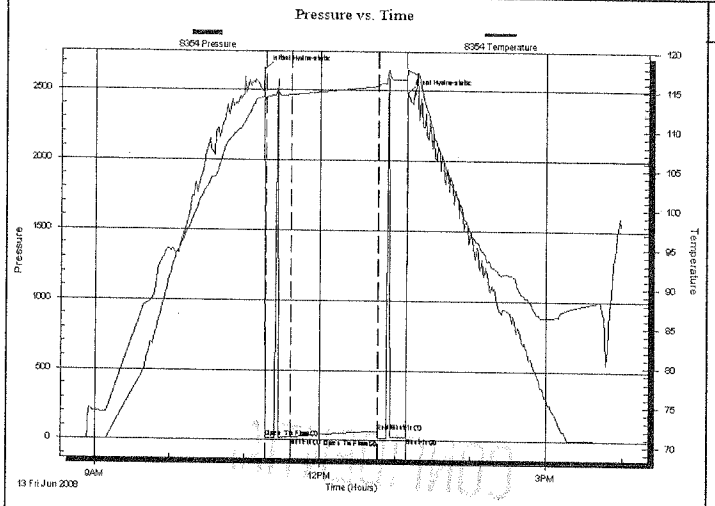
Interval: 5180.00 ft (KB) To 5197.00 ft (KB) (TVD)
Total Depth: 5197.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2165.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 19.18 psig @ 5180.00 ft (KB)
Start Date: 2008.06.13 End Date: 2008.06.13
Start Time: 08:53:34 End Time: 15:58:43

Capacity: 7000.00 psig
Last Calib.: 2008.06.13
Time On Btm: 2008.06.13 @ 11:15:44
Time Off Btm: 2008.06.13 @ 13:09:44

TEST COMMENT: IF Opened tool & flushed no blow w eak blow 1/8 " in 5 mins. then died off
ISI Bled off no blow back
FF Weak surface blow died in 2 mins. blow died/6 mins.
FSI No shut in pulled tool off bottom inst



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2647.17	114.48	Initial Hydro-static
2	16.31	114.16	Open To Flow (1)
21	19.18	114.52	Shut-In(1)
90	66.59	115.62	End Shut-In(1)
91	12.12	115.68	Open To Flow (2)
113	21.08	116.47	Shut-In(2)
114	2478.58	117.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.14

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration Inc

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

Giles 3-13

13 31S 22W Clark KS

Job Ticket: 31216 **DST#: 1**

Test Start: 2008.06.13 @ 08:53:29

Tool Information

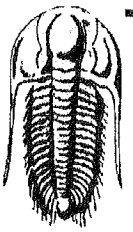
Drill Pipe:	Length:	5166.00 ft	Diameter:	3.80 inches	Volume:	72.47 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	72.47 bbl	

Drill Pipe Above KB:	14.00 ft
Depth to Top Packer:	5180.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	17.00 ft
Tool Length:	45.00 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:		95000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	76000.00 lb
	Final	76000.00 lb

Tool Comments:
IF Checked Bubble Hose Valve & Changed
FF Flushed tool Surged bubbled after 3 mins

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			5157.00		
Hydraulic tool	5.00			5162.00		
Jars	5.00			5167.00		
Safety Joint	3.00			5170.00		
Packer	5.00			5175.00	28.00	Bottom Of Top Packer
Packer	5.00			5180.00		
Recorder	0.00	8359	Inside	5180.00		
Recorder	0.00	8354	Inside	5180.00		
Perforations	14.00			5194.00		
Bullnose	3.00			5197.00	17.00	Bottom Packers & Anchor
Total Tool Length:	**45.00**					



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration Inc

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

Giles 3-13

13 31S 22W Clark KS

Job Ticket: 31216 **DST#: 1**

Test Start: 2008.06.13 @ 08:53:29

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

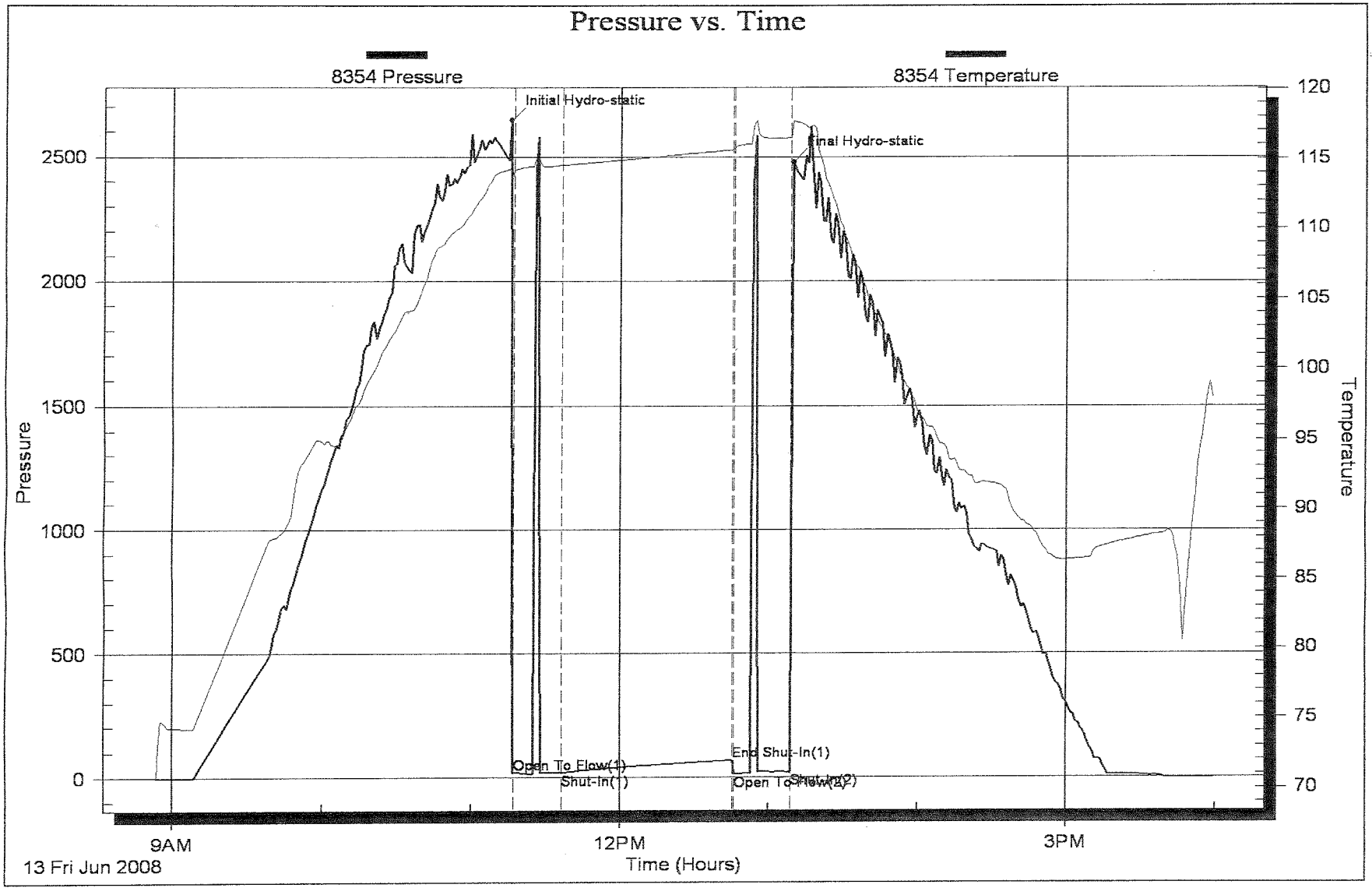
Length ft	Description	Volume bbl
10.00	100%M	0.140

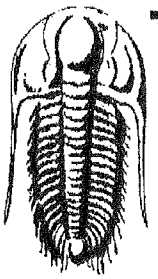
Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
120
115
110
105
100
95
90
85
80
75
70
9AM
12PM
3PM
13 Fri Jun 2008
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration Inc**

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

13 31S 22W Clark KS

Giles 3-13

Start Date: 2008.06.14 @ 03:07:03
End Date: 2008.06.14 @ 13:51:33
Job Ticket #: 31217 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Falcon Exploration Inc

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

Giles 3-13

13 31S 22W Clark KS

Job Ticket: 31217 **DST#: 2**

Test Start: 2008.06.14 @ 03:07:03

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:24:48
Time Test Ended: 13:51:33

Test Type: Conventional Bottom Hole
Tester: Travy Cushenbery
Unit No: 30

Interval: 5205.00 ft (KB) To 5217.00 ft (KB) (TVD)
Total Depth: 5217.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

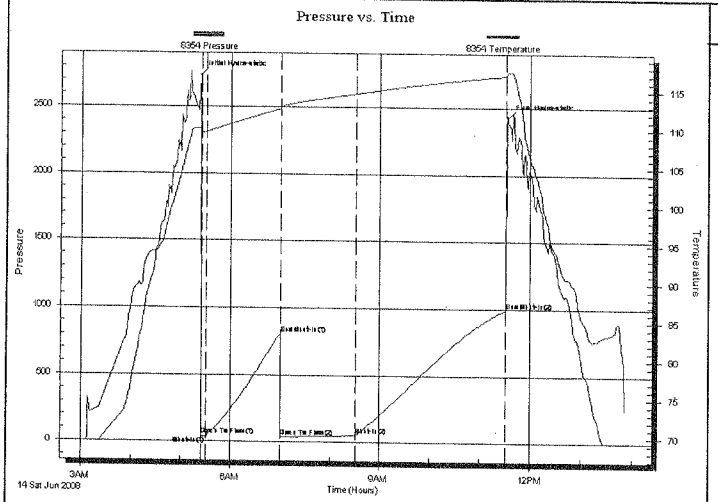
Reference Elevations: 2165.00 ft (KB)
2155.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: 49.78 psig @ 5205.00 ft (KB)
Start Date: 2008.06.14 End Date: 2008.06.14
Start Time: 03:07:08 End Time: 13:51:33

Capacity: 7000.00 psig
Last Calib.: 2008.06.14
Time On Btm: 2008.06.14 @ 05:23:48
Time Off Btm: 2008.06.14 @ 11:33:03

TEST COMMENT: IF Weak blow building to 1 1/8 " in 5 mins.
ISI Bled off no blow back
FF Weak blow building to 9 1/2 " in 90 mins.
FSI Bled off no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2733.75	110.06	Initial Hydro-static
1	44.54	108.70	Open To Flow (1)
7	34.93	109.54	Shut-In(1)
96	809.72	112.55	End Shut-In(1)
97	37.41	112.63	Open To Flow (2)
188	49.78	114.56	Shut-In(2)
368	992.25	116.96	End Shut-In(2)
370	2430.87	117.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OcGM 2%G 1%O 97%M	0.84
20.00	GMw/scum O 2%G 98%M	0.28

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration Inc

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

Giles 3-13

13 31S 22W Clark KS

Job Ticket: 31217 **DST#: 2**

Test Start: 2008.06.14 @ 03:07:03

Tool Information

Drill Pipe:	Length:	5197.00 ft	Diameter:	3.80 inches	Volume:	72.90 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:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:	110000.0 lb
					Total Volume:	72.90 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight: Initial	77000.00 lb
Depth to Top Packer:		5205.00 ft					Final	81000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		12.00 ft						
Tool Length:		40.00 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			5182.00		
Hydraulic tool	5.00			5187.00		
Jars	5.00			5192.00		
Safety Joint	3.00			5195.00		
Packer	5.00			5200.00	28.00	Bottom Of Top Packer
Packer	5.00			5205.00		
Recorder	0.00	8359	Inside	5205.00		
Recorder	0.00	8354	Inside	5205.00		
Perforations	9.00			5214.00		
Bullnose	3.00			5217.00	12.00	Bottom Packers & Anchor
Total Tool Length:	**40.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration Inc

125 N Market Ste 1252
Wichita KS 67202-1719

ATTN: Jim Hall

Giles 3-13

13 31S 22W Clark KS

Job Ticket: 31217 **DST#: 2**

Test Start: 2008.06.14 @ 03:07:03

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:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6500.00 ppm				
Filter Cake:	0.20 inches				

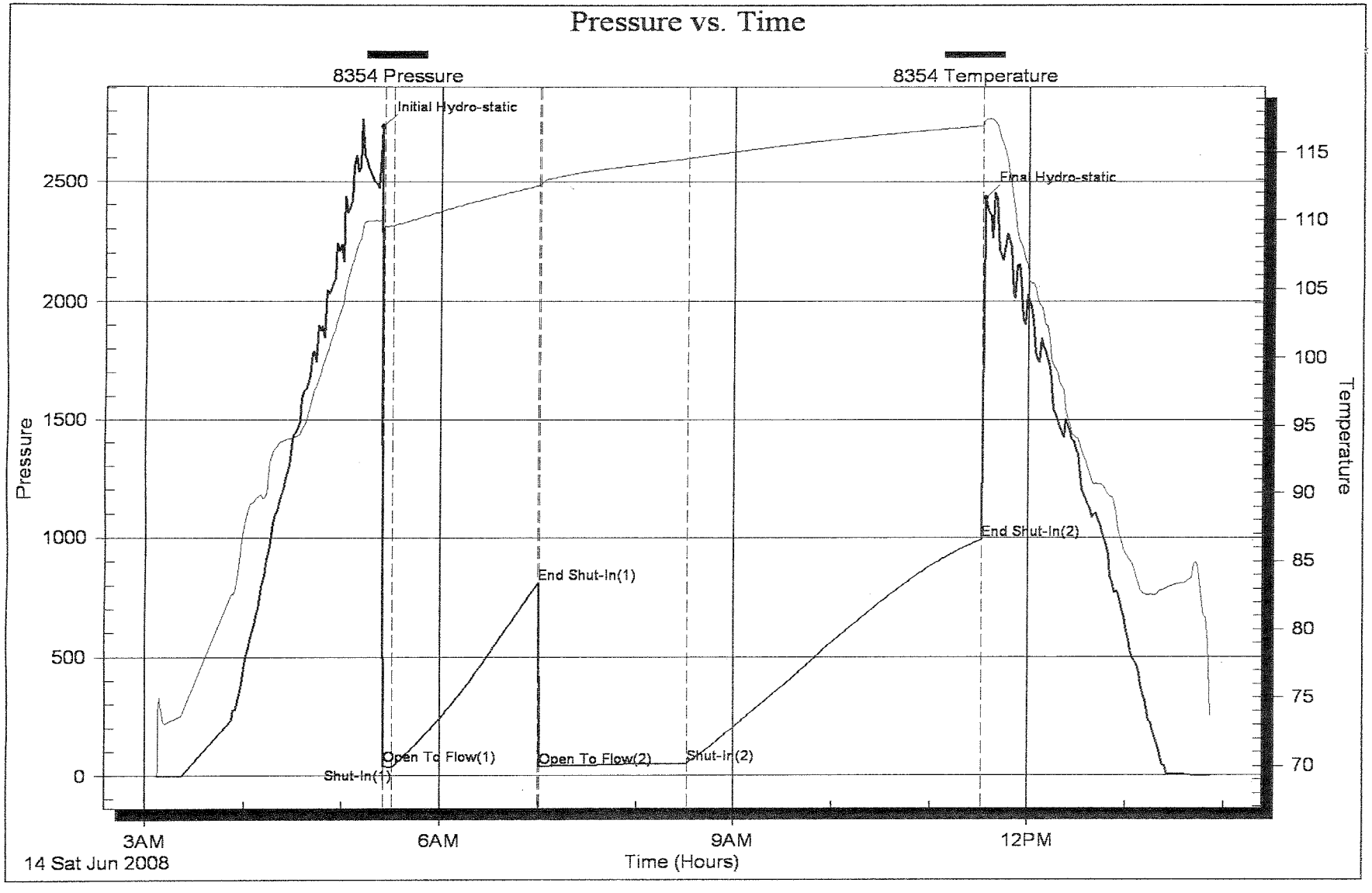
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OcGM 2%G 1%O 97%M	0.842
20.00	GMw/scum O 2%G 98%M	0.281

Total Length: 80.00 ft Total Volume: 1.123 bbl

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


Pressure vs. Time
8354 Pressure
8354 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2500
2000
1500
1000
500
0
115
110
105
100
95
90
85
80
75
70
3AM
6AM
9AM
12PM
14 Sat Jun 2008
Time (Hours)