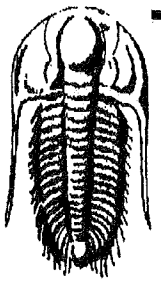
35-10s-20w

IND



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

15-163-23818

35 10s 20w Rooks KS

A-T Unit #1

Start Date: 2009.08.17 @ 18:38:37
End Date: 2009.08.18 @ 01:24:07
Job Ticket #: 35236 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

Carmen Schmitt Inc

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

A-T Unit #1

35 10s 20w Rooks KS

Job Ticket: 35236 **DST#: 1**

Test Start: 2009.08.17 @ 18:38:37

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:20:07
Time Test Ended: 01:24:07

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

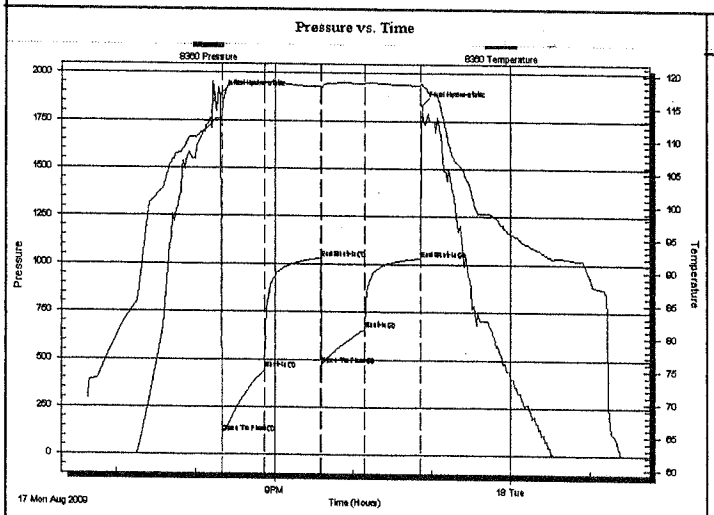
Interval: 3718.00 ft (KB) To 3740.00 ft (KB) (TVD)
Total Depth: 3740.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2143.00 ft (KB)
2135.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 658.40 psig @ 3722.00 ft (KB)
Start Date: 2009.08.17 End Date: 2009.08.18
Start Time: 18:38:39 End Time: 01:24:07

Capacity: 7000.00 psig
Last Calib.: 2009.08.18
Time On Btm: 2009.08.17 @ 20:19:07
Time Off Btm: 2009.08.17 @ 22:52:37

TEST COMMENT: IFP-Strong Blow ,BOB in 1-1/2 Min.
ISI-Dead
FFP-Strong Blow ,BOB in 3 Min.
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.64	113.19	Initial Hydro-static
1	111.81	113.41	Open To Flow (1)
34	445.48	118.66	Shut-In(1)
76	1030.75	118.11	End Shut-In(1)
77	474.32	117.91	Open To Flow (2)
110	658.40	118.67	Shut-In(2)
153	1030.48	118.37	End Shut-In(2)
154	1834.62	118.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Muddy Water-95%W-5%M	4.77
1020.00	VSOCMW-3%O-97%W	14.31
5.00	Watery Oil-90%O-10%W	0.07

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

A-T Unit #1

35 10s 20w Rooks KS

Job Ticket: 35236 **DST#: 1**

Test Start: 2009.08.17 @ 18:38:37

Tool Information

Drill Pipe:	Length:	3675.00 ft	Diameter:	3.80 inches	Volume:	51.55 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		72000.00 lb
					Total Volume:	51.70 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight:	Initial	70000.00 lb
Depth to Top Packer:		3718.00 ft						Final	62000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		22.00 ft							
Tool Length:		43.00 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			3698.00		
Shut In Tool	5.00			3703.00		
Hydraulic tool	5.00			3708.00		
Packer	5.00			3713.00	21.00	Bottom Of Top Packer
Packer	5.00			3718.00		
Stubb	1.00			3719.00		
Perforations	3.00			3722.00		
Recorder	0.00	8360	Inside	3722.00		
Recorder	0.00	6755	Inside	3722.00		
Perforations	15.00			3737.00		
Bullnose	3.00			3740.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**43.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

A-T Unit #1

35 10s 20w Rooks KS

Job Ticket: 35236 **DST#: 1**

Test Start: 2009.08.17 @ 18:38:37

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	22 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	28000 ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.97 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

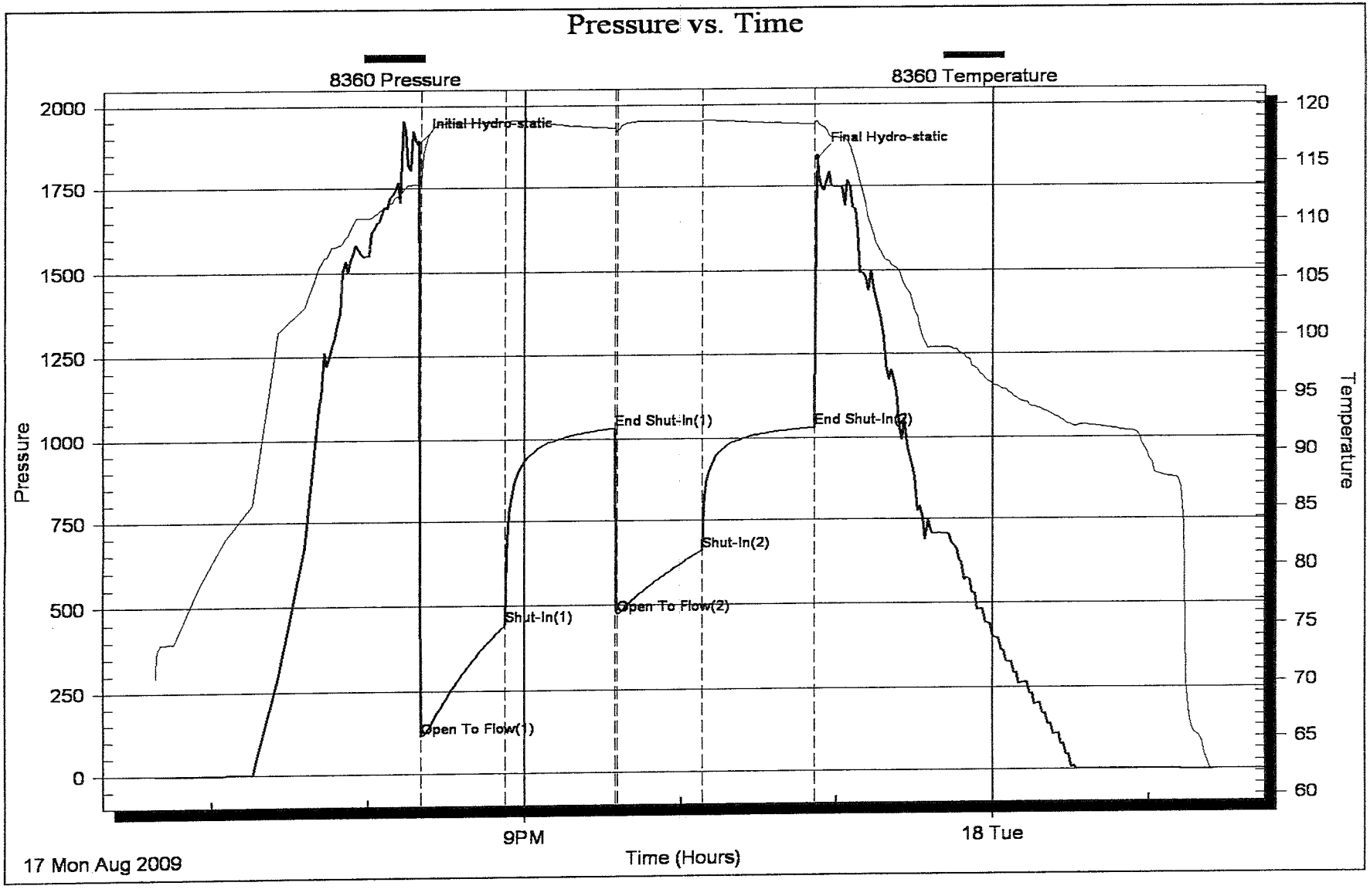
Length ft	Description	Volume bbl
360.00	Muddy Water-95%W-5%M	4.767
1020.00	VSOCMW-3%O-97%W	14.308
5.00	Watery Oil-90%O-10%W	0.070

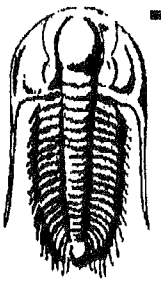
Total Length: 1385.00 ft Total Volume: 19.145 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RWj .27 @ 62F = 28000ppm chlorides


Pressure vs. Time
8360 Pressure
8360 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
115
110
105
100
95
90
85
80
75
70
65
60
9PM
18 Tue
Time (Hours)
17 Mon Aug 2009



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

35 10s 20w Rooks KS

A-T Unit #1

Start Date: 2009.08.18 @ 16:35:50
End Date: 2009.08.18 @ 22:53:20
Job Ticket #: 35237 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

Carmen Schmitt Inc

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

A-T Unit #1

35 10s 20w Rooks KS

Job Ticket: 35237 **DST#: 2**

Test Start: 2009.08.18 @ 16:35:50

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:03:50
Time Test Ended: 22:53:20

Test Type: Conventional Straddle
Tester: Jason McLemore
Unit No: 32

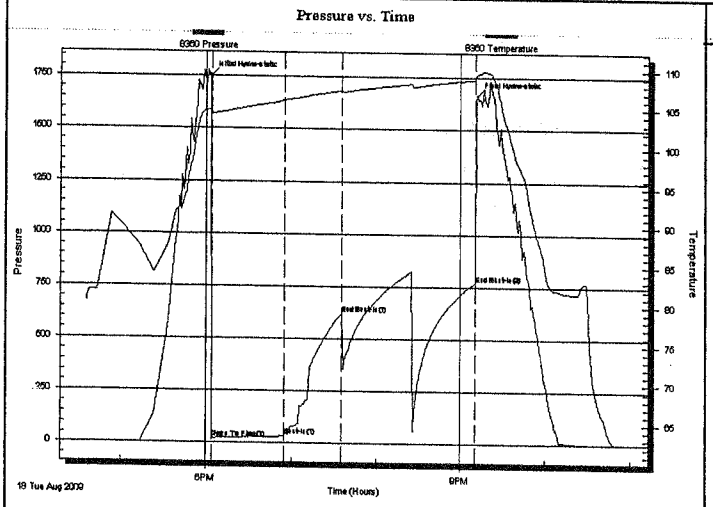
Interval: 3644.00 ft (KB) To 3686.00 ft (KB) (TVD)
Total Depth: 3828.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2143.00 ft (KB)
2135.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8360 **Inside**
Press@RunDepth: 33.95 psig @ 3649.00 ft (KB)
Start Date: 2009.08.18 End Date: 2009.08.18
Start Time: 16:35:52 End Time: 22:53:20

Capacity: 7000.00 psig
Last Calib.: 2009.08.18
Time On Btm: 2009.08.18 @ 18:03:20
Time Off Btm: 2009.08.18 @ 21:11:50

TEST COMMENT: IFP-Weak Blow ,Built to 2",(Some Plugging Action)
ISI-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.59	104.81	Initial Hydro-static
1	20.63	104.27	Open To Flow (1)
51	33.95	106.01	Shut-In(1)
92	621.09	107.25	End Shut-In(1)
187	770.44	108.75	End Shut-In(2)
189	1663.50	109.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil spected mud	0.05

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

A-T Unit #1

35 10s 20w Rooks KS

Job Ticket: 35237 **DST#: 2**

Test Start: 2009.08.18 @ 16:35:50

Tool Information

Drill Pipe:	Length:	3610.00 ft	Diameter:	3.80 inches	Volume:	50.64 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	50.79 bbl	

Drill Pipe Above KB:	18.00 ft
Depth to Top Packer:	3644.00 ft
Depth to Bottom Packer:	3686.00 ft
Interval betw een Packers:	42.00 ft
Tool Length:	205.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	66000.00 lb
Final	66000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3624.00		
Shut In Tool	5.00			3629.00		
Hydraulic tool	5.00			3634.00		
Packer	5.00			3639.00	21.00	Bottom Of Top Packer
Packer	5.00			3644.00		
Stubb	1.00			3645.00		
Perforations	3.00			3648.00		
Change Over Sub	1.00			3649.00		
Recorder	0.00	8360	Inside	3649.00		
Blank Spacing	30.00			3679.00		
Change Over Sub	1.00			3680.00		
Perforations	2.00			3682.00		
Blank Off Sub	1.00			3683.00		
Blank Spacing	3.00			3686.00	42.00	Tool Interval
Packer	1.00			3687.00		
Stubb	1.00			3688.00		
Change Over Sub	1.00			3689.00		
Recorder	0.00	6755	Below	3689.00		
Blank Spacing	125.00			3814.00		
Change Over Sub	1.00			3815.00		
Recorder	0.00	13252	Below	3815.00		
Perforations	10.00			3825.00		
Bullnose	3.00			3828.00	142.00	Bottom Packers & Anchor
Total Tool Length:	**205.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc

PO Box 47
Great Bend, Ks. 67530

ATTN: Cliff Ottaway

A-T Unit #1

35 10s 20w Rooks KS

Job Ticket: 35237 **DST#: 2**

Test Start: 2009.08.18 @ 16:35:50

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:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3300.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

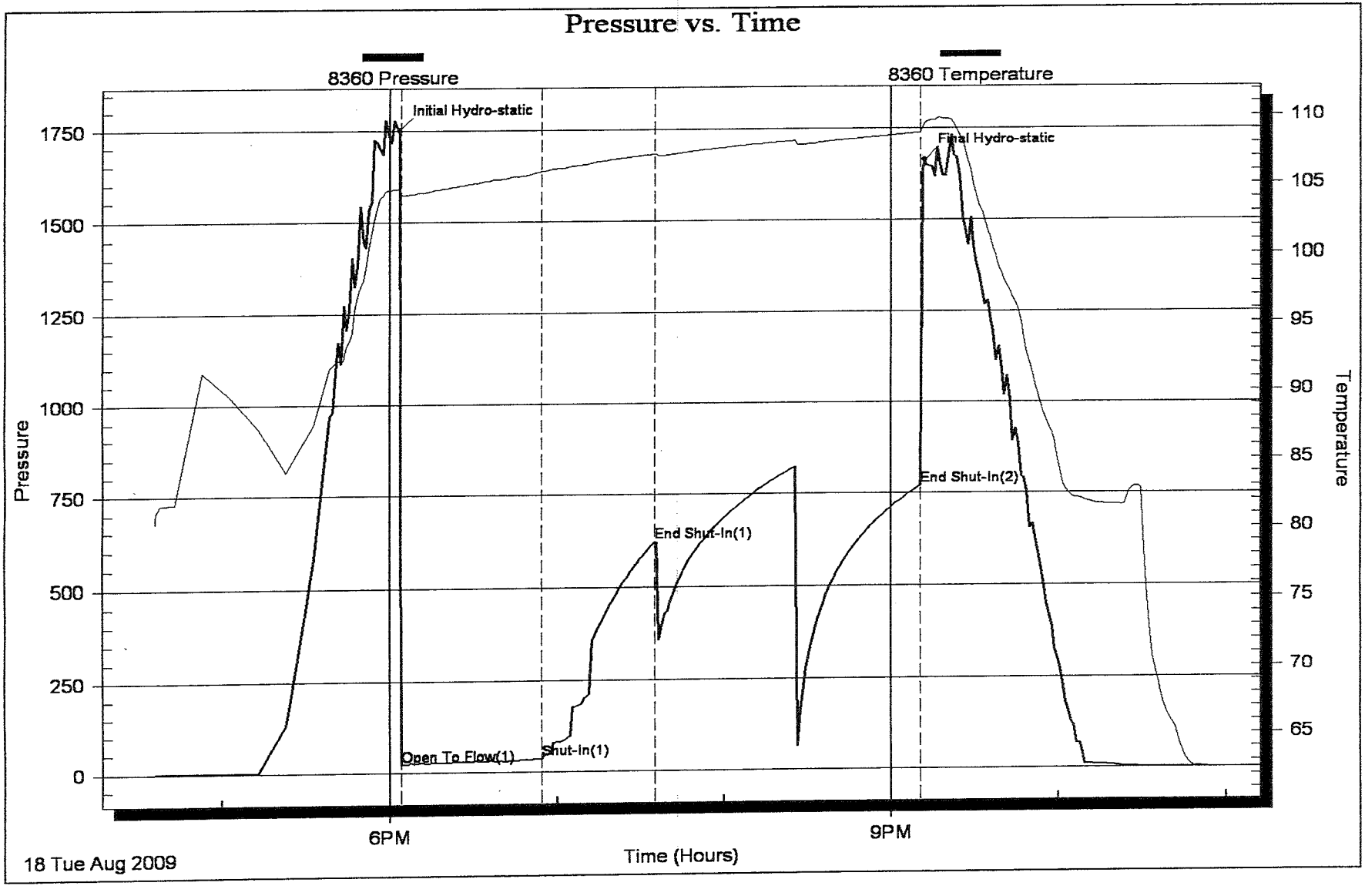
Length ft	Description	Volume bbl
10.00	Oil spected mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8360 Pressure
8360 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(2)
End Shut-In(1)
Open To Flow(1)
Shut-In(1)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
105
100
95
90
85
80
75
70
65
6PM
9PM
Time (Hours)
18 Tue Aug 2009