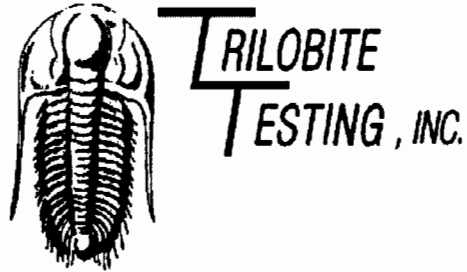


15-065-22992

33-9s-21w



DRILL STEM TEST REPORT

Prepared For: **Shelby Res.LLC**

5893 Saddle Creek Trail
Parker, Co.80134

ATTN: Jim Waechter

33-9s-21w

Allphin # 3

Start Date: 2004.09.25 @ 06:00:20

End Date: 2004.09.25 @ 13:46:20

Job Ticket #: 20315 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Shelby Res.LLC

Allphin # 3

33-9s-21w

DST # 1

Arbuckle

2004.09.25



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Res.LLC
5893 Saddle Creek Trail
Parker, Co.80134
ATTN: Jim Waechter

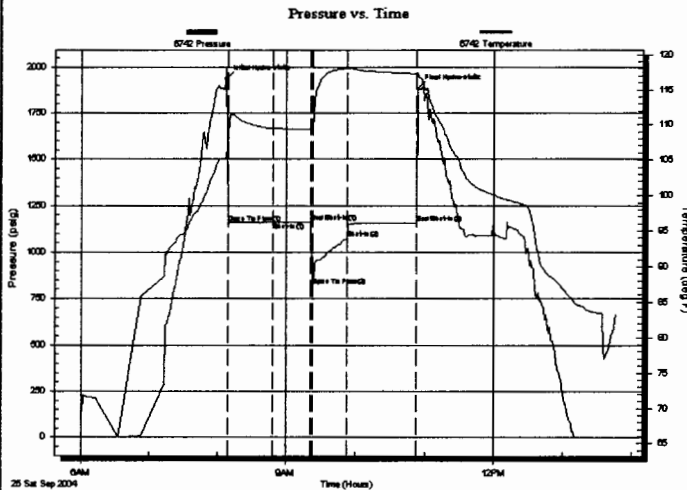
Allphin # 3
33-9s-21w
Job Ticket: 20315 **DST#: 1**
Test Start: 2004.09.25 @ 06:00:20

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 08:08:20
Time Test Ended: 13:46:20
Interval: **3856.00 ft (KB) To 3900.00 ft (KB) (TVD)**
Total Depth: **3900.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **John Schridt**
Unit No: **18**
Reference Elevations: **2333.00 ft (KB)**
2328.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6742 Inside
Press@RunDepth: **1073.77 psig @ 3859.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.09.25** End Date: **2004.09.25** Last Calib.: **2004.09.25**
Start Time: **06:00:25** End Time: **13:46:19** Time On Btrm: **2004.09.25 @ 08:06:50**
Time Off Btrm: **2004.09.25 @ 10:53:20**

TEST COMMENT: **F-Good 7" 1 min. Decreasing to 5" in 29 min.** ISI-Dead
FF-Strong B.O.B. 1 min. FSI-Good built 8" in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.96	105.29	Initial Hydro-static
2	1154.39	108.64	Open To Flow (1)
42	1158.56	109.52	Shut-In(1)
75	1158.72	109.32	End Shut-In(1)
76	819.22	109.24	Open To Flow (2)
106	1073.77	118.03	Shut-In(2)
166	1156.00	117.26	End Shut-In(2)
167	1883.24	117.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2280.00	Gassy oil 2%gas 98%oil	27.07
0.00	75 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Res.LLC
5893 Saddle Creek Trail
Parker, Co.80134
ATTN: Jim Waechter

Allphin # 3
33-9s-21w
Job Ticket: 20315 **DST#: 1**
Test Start: 2004.09.25 @ 06:00:20

Tool Information

Drill Pipe:	Length: 3327.00 ft	Diameter: 3.80 inches	Volume: 46.67 bbl	Tool Weight: 2200.00 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: 539.00 ft	Diameter: 2.25 inches	Volume: 2.65 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 49.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3856.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			3837.00	
Shut In Tool	5.00			3842.00	
Hydraulic tool	5.00			3847.00	
Packer	4.00			3851.00	20.00 Bottom Of Top Packer
Packer	5.00			3856.00	
Stubb	1.00			3857.00	
Perforations	1.00			3858.00	
Change Over Sub	1.00			3859.00	
Recorder	0.00	6742	Inside	3859.00	
Blank Spacing	30.00			3889.00	
Change Over Sub	1.00			3890.00	
Recorder	0.00	11084	Outside	3890.00	
Perforations	7.00			3897.00	
Bullnose	3.00			3900.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Res. LLC

Allphin # 3

5893 Saddle Creek Trail
Parker, Co. 80134

33-9s-21w

Job Ticket: 20315

DST#: 1

ATTN: Jim Waechter

Test Start: 2004.09.25 @ 06:00:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
2280.00	Gassy oil 2%gas 98%oil	27.072
0.00	75 gas in pipe	0.000

Total Length: 2280.00 ft

Total Volume: 27.072 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6742

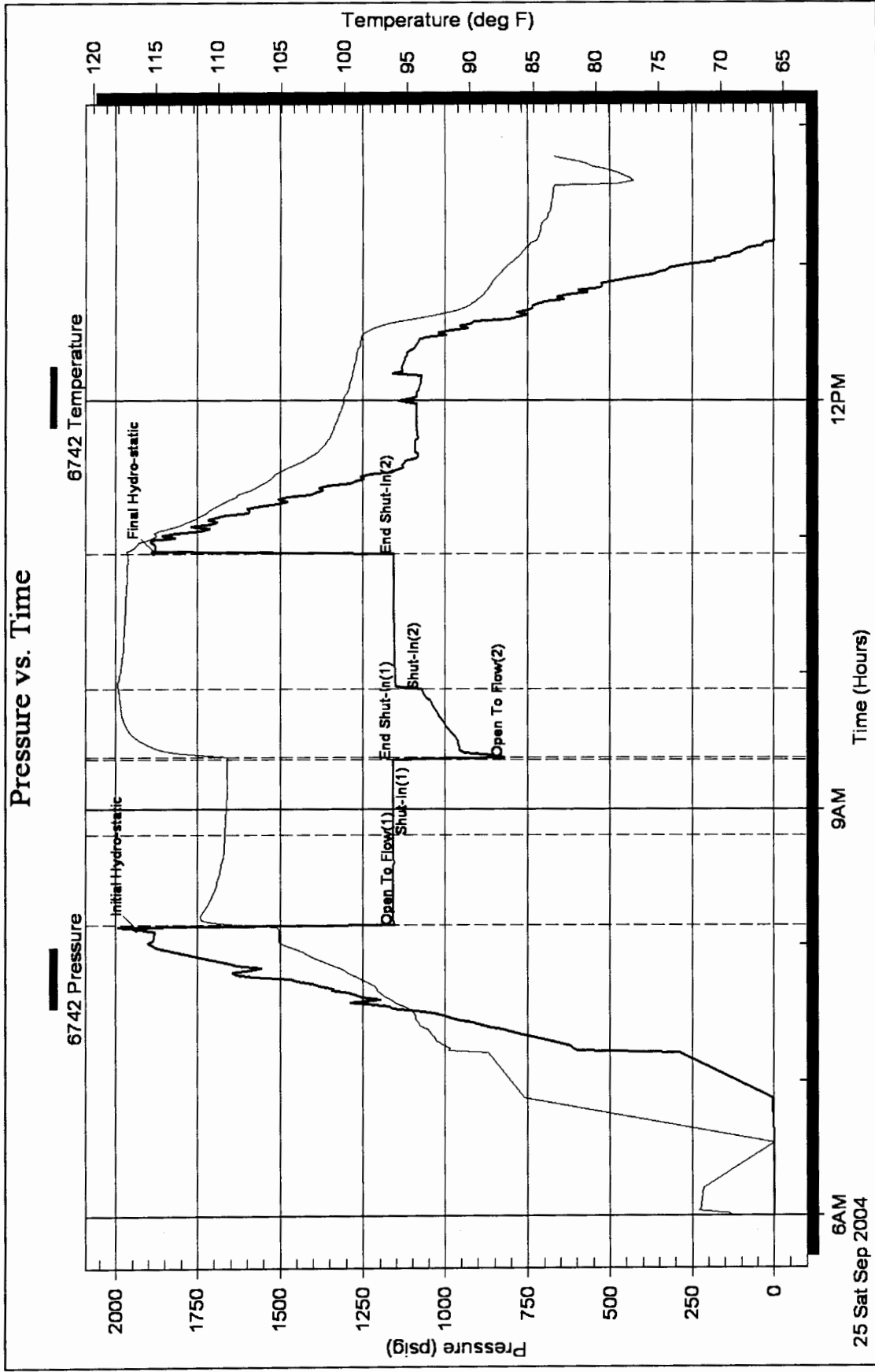
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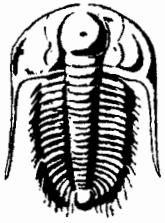
Shelby Res, LLC

33-9s-21w

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 10821
No 20315 ✓

05/03

Test Ticket

Well Name & No. ALLPHIN #3 Test No. #1 Date 9-25-04
 Company SHELBY RESOURCES, LLC Zone Tested ARBUCKLE
 Address 5893 SADDLE CREEK TRAIL PARKER, CO. 80134 Elevation 2333 KB 2328 GL
 Co. Rep / Geo. KRIS KENNEDY Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 33 Twp. 9S Rge. 21W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3856 TO 3900 Initial Str Wt./Lbs. 61,000 Unseated Str Wt/Lbs. 70,000
 Anchor Length 44' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 73,000
 Top Packer Depth 3851 Tool Weight 2,200
 Bottom Packer Depth 3856 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3900 Wt. Pipe Run 0 Drill Collar Run 539
 Mud Wt. 9.1 LCM 0 Vis. 54 WL 7.6 Drill Pipe Size 4 1/2 XH Ft. Run 3327
 Blow Description IF-GOOD 7" BLOW 1-MIN DECREASING TO 5" IN 1-MIN
ISI-DEAD FF-STRONG P.O.B. 1-MIN. FSI-GOOD BUILT 8" IN (29)

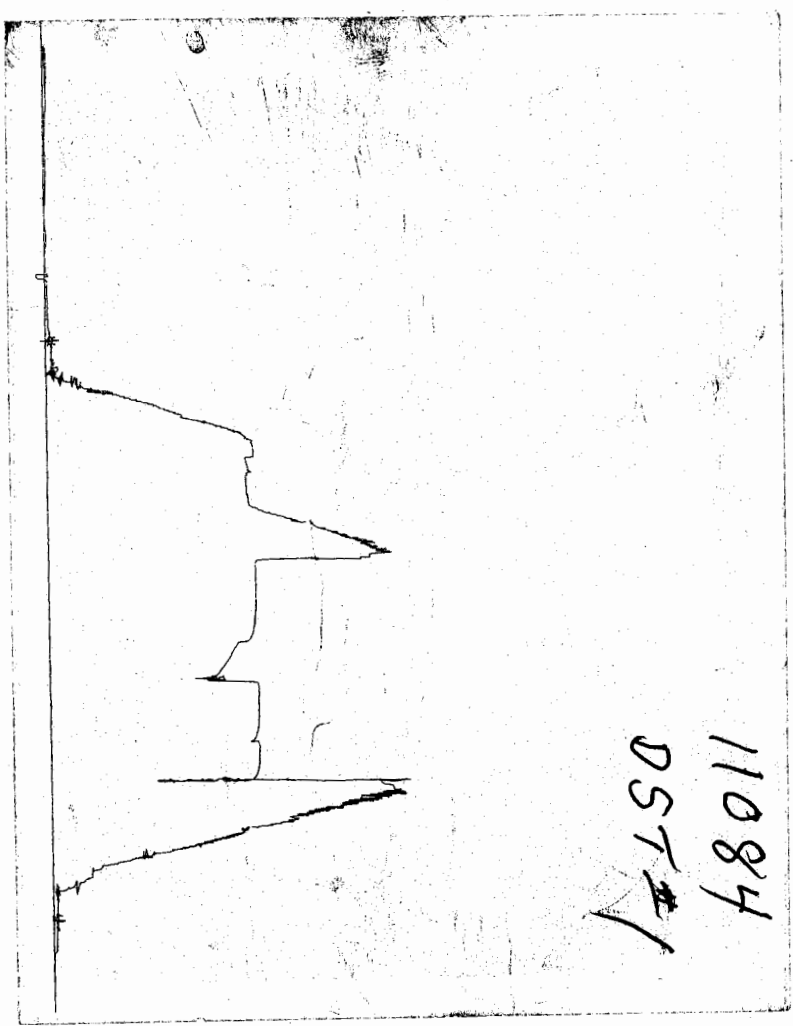
Tool SLID 6' TO BOTTOM Tool PLUG 1ST FLOW
 Recovery - Total Feet 2280 GIP 75' Ft. in DC 539 Ft. in DP 1741
 Rec. 2280 Feet of GASSY OIL 2 %gas 98 %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 117 °F Gravity 22 °API D @ 80 °F Corrected Gravity 20 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1935</u> PSI	<u>6742</u>	<u>B, HOLE 900</u>
(B) First Initial Flow Pressure		<u>1154</u> PSI	(depth) <u>3859</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>1158</u> PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1158</u> PSI	(depth) <u>3890</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>819</u> PSI	Recorder No. _____	Circ Sub <input checked="" type="checkbox"/> <u>35</u>
(F) Second Final Flow Pressure		<u>1023</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>1156</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1883</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>90-R. TRIP 16⁵⁰</u>
			T-On Location <u>05:30</u>	Sub Total: <u>1011.50</u>
			T-Started <u>06:00</u>	Std. By _____
			T-Open <u>08:08</u>	Other _____
			T-Pulled <u>10:53</u>	Total: _____
			T-Out <u>13:46</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Ja Waack
 Our Representative John J. Schmidt

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart



SRU Job Information

Company: Shelby

Address: _____

Polymer Comp: P31

Well Name & No: Alpham #3

Location: _____

Start Date: _____ Time: _____ End Date: _____

Comments: _____

9857 @ 3900

shelby has dunker price

Date	Miles	Reason
<u>ah</u>	<u>45x2</u>	<u>In</u>
<u>9/20</u>	<u>49x2</u>	<u>Out</u>

Trilobite Rep: Paul / Kyle

SRJ Job Information

120 hrs.

24

1000

96
24
24
24
24

Company

Address

Business Code

Well Name & No

Location

Start Date

Comments

03200

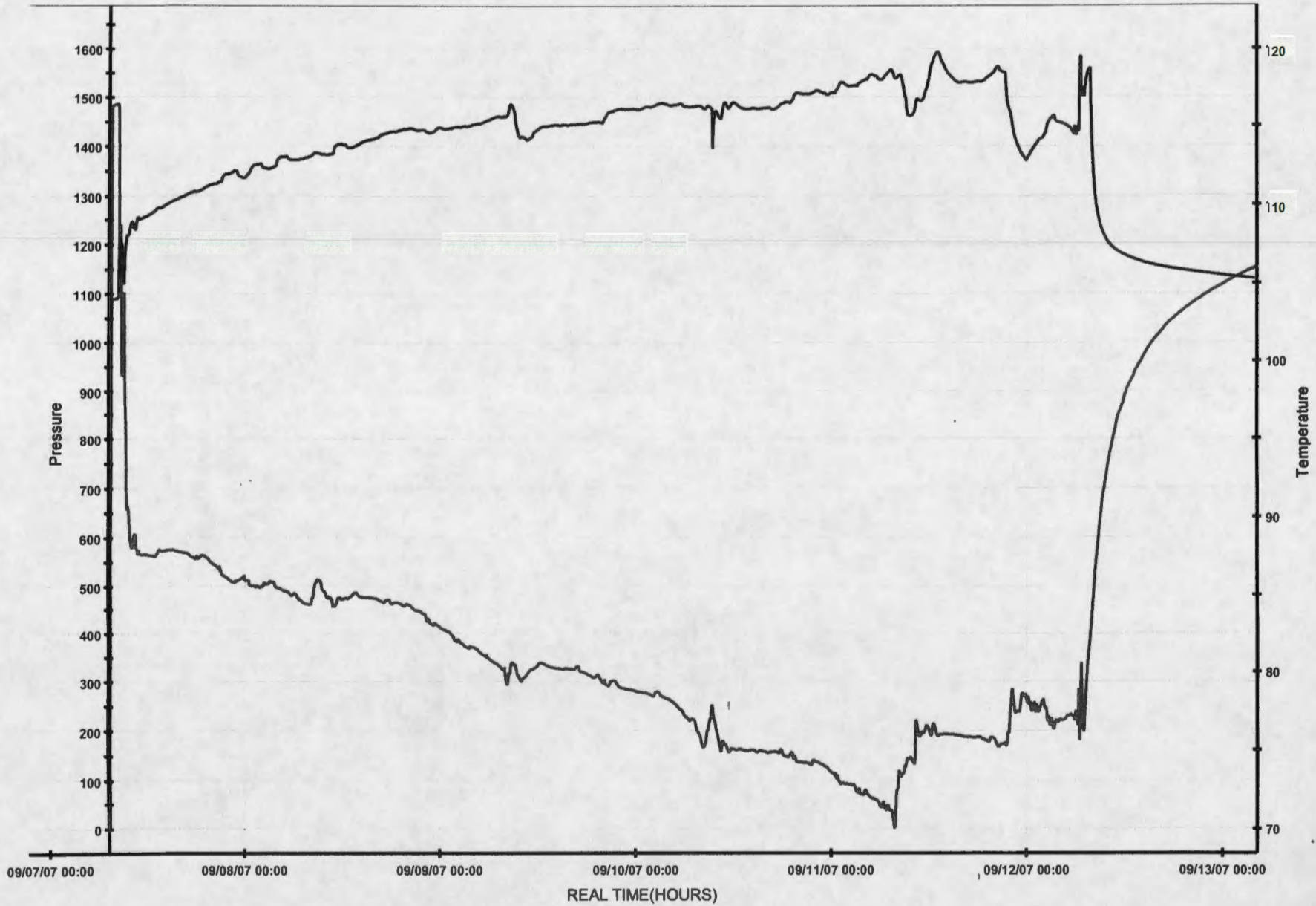
Day	Time	Notes
9/10	4:30	IN
9/10	4:30	OUT

The Site Rep: Paul / Kyle

PRESSURE AND TEMPERATURE VS DELTA TIME

Company: Shelby
Location: Allphin #3
Date: 9/7/07
Serial# 9857

Max. Pressure: 1594.200 Max. Temperature: 116.468



9857 - Pressure (PSIG) 9857 - Int Temperature (F)