

DR. CLOWARD, ERNEST, PL.

2/9/16. PARR 6200

HEATER + PUMP - ON

T: INCREASED FROM 20 TO 37°C

- OFF

ERROR: THE JACKET TEMPERATURE HAS REACHED THE PRE-SET
LIMIT

(TEMP = 40.209099)

HDW STATE: IDLE

2016 02-09 15:11.15

UID 05. JACKET_EXCEEDS_LIMIT.

PID CONTROL LOOP

DIAGNOSTICS -

INSTRUMENT MONITOR

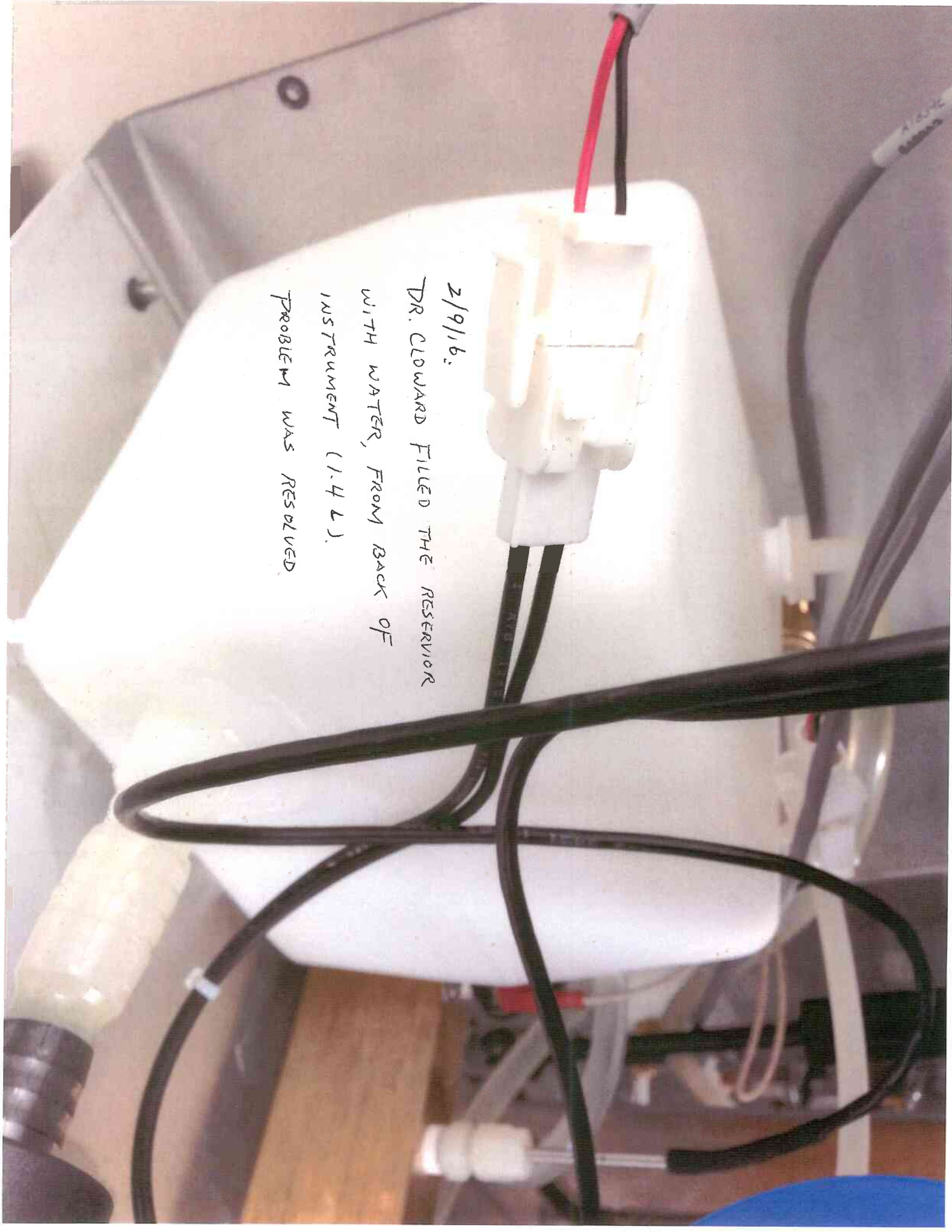
BUCKET TEMP:	20.5	
JACKET TEMP:	30.0317	
HEAT PID (ON):	61%	0
COOL PID (ON):	100%	100%

→ FILLING THE JACKET RESERVOIR. 1.4 LITERS
FROM BACK OF INSTRUMENT.

PID CONTROL (TEMP) IS WORKING.

2/9/16:

DR. CLOWARD FILLED THE RESERVOIR
WITH WATER, FROM BACK OF
INSTRUMENT (1.4 L).
PROBLEM WAS RESOLVED.



BENZOIC ACID SAMPLE. 1.000 g.

HHV: 11,373 BTU/LB

JACKET TEMP: 30.000 °C

BUCKET TEMP: 23.0305 °C

ID: 2.9.16

WEIGHT: 1.000 g

HHV: -44,9944 BTU/LB.

PRINTOUT - MOST RECENT EE VALUE.

EE:		GROSS HEAT:	11368.62 BTU/LB
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2372.8875		11307.136
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2385.6361		11339.708
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2377.0827		11336.227
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AVERAGE: 2378.10465

2/16/16 DR. CLOWARD, ERNEST. PL.

CALIBRATION ~~AND~~ DATA AND CONTROL

BOMB 1

MANUAL EE ENTRY: 2378.1

CALORIMETER OPERATION: STANDARDIZATION

BENZOIC ACID: 1.000 g. (11373 BTU/LB - NOMINAL)

HHV: 11607.875 BTU/LB.

2.02%

CALORIMETER OPERATION: DETERMINATION

BENZOIC ACID: 1.000 g

HHV: 11391.109 BTU/LB.

EE VALUE: 2366.37 — OBTAINED BY FOLLOWING.

CALIBRATION DATA AND CONTROL

BOMB 1

PROTECT EE VALUE — OFF.

UPDATE STATISTICS

EE VALUE BECOMES: 2366.37 BTU/LB

TEST: PEANUT SHELL, 1.000 g.

HHV: 10472.032 BTU/LB.

MAKE SURE TO USE "BOMB 1" ON OPERATION MENU.