

# more pressure tests

To follow-up on the leak check yesterday (which showed a slow leak), I repeated this test today:

1033  $P=1004.88$  (pinched off)

1034 unpinched Pref (so I could read pressure easily)  $P=1007.29$

1037 installed tee,  $P=1007.32$

1038 blew in,  $P=1029$  dropping

1039 pinched entire array,  $P=1025$  still dropping

1041 tighten tee,  $P=1021.5$  still dropping

1043 pinched off 11b  $P=1018.9$ , still dropping

~1100-1113 reseated both reservoir endcaps with more Teflon tape and plumbers' grease. Was able to screw in at least 3 whole turns more (due to grease lubrication).,  $P=1007.29$  (had been open to outside)

1114 blow in,  $P=1048.3$ , dropping slowly

1117  $P=1046.9$ , dropping slowly

1119 open 11b,  $P=1046.6$ , no obvious change in rate of dropping

1120 open entire array,  $P=1046.3$ , again no obvious change

1127 disconnect tee

1129 back to normal,  $P=1007.27$

1134 backfill hole (again!)  $P=1007.6$

Conclusion: reservoir had leak with 10min constant due to not-completely-seated endcaps. They are now seated better, with a much smaller leak (though the decrease in  $P$  could have been moderated by a change in temperature, that should have increased  $P$ ).

We still have the wind correlation to investigate...