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The second explanation is that BOP resistance and the effective tentance of the reservoir and weither both varied is just such a mainer that their ratio remains unchanged. For example, the PI might have increased over this time such that the effective resistance of the fire reservoir and weithors fell by half. But its swould have to be accompanied by a reduction of resistance in the BOP would have to match that in the balance of the well to within a few percent. This resistance is the BOP would have to match that in the balance of the well to which as few percent. The continuous further, the ratio remains relatively constant over all of the instructional percent, and the second of the properties of the provided by the properties of the prop

Finally, I will discuss briefly the oscillations in Fig. 3 and the period before May 19. Between May 8 and May 14, the ratio of pressure drops falls very significantly, and this indicates that the resistance in the BOP fell relative to that in the reservoir and wellbore. This conceivably resulted from some sudden and real change in either resistance or might conceivably result from expected inaccuracies in the BOP pressures. If real, this sudden fall could represent a drop in BOP resistance or sudden increase in the reservoir and wellbore resistance. The first of these seems most likely. In this case, the drop in BOP resistance might be, for example, the drop in the pipe below the BOP or sudden failure of the seal in one of the rams. The problem with both of these is that they are irreversible, while the ratio of the pressure drops largely recovers on May 19. As such, I can offer no physical reason for this behavior.

I do find it peculius that the May 8 value of the ratio is well above the trend line; the May 14 values is well below, and the May 19 value fire very close to later values. And, the average of the May 8 and May 14 values also live olose to be later trend. This suggests that these might result simply from expected and bounded maccuracies in the BOP pressure.

To explore this possibility, 1 have closablesed the ratio of pressure torrection of "~130 psi and "~200 psi to represent uncertainties. The first of these is my estimates of the necessary in my original report, the second has been proposed by solvers, including Dr. Trender. The results of this are shown in Fig. 4. Here my values from Fig. 3 are shown along with several lines. These lines represent average values of the resulting ratios for the nominal values and the two corrections of "~130 psi and "~200 psi.

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