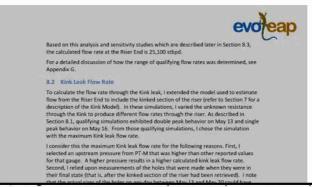
11683.30.2



conservative measurement of the pressure, I calculated the maximum possible flow rate for the three holes composing the Kink leak during the May 13 to May 20 period. This maximum Kink leak flow rate is 4900 stbpd.

8.3 Sensitivities

Some of the model inputs are not known to the same degree of certainty as others. To address uncertainties in the inputs, I ran several sensitivity studies. The same general procedure was performed for each of the sensitivity studies I performed:

- Vary one model input to address its uncertainty
 Run simulations using the May 13 and May 16 riser motion characteristics described in Appendix F-5.
 Determine the range of acceptable flow rates as described in Section 8.1

As an example, the roughness of the riser pipe was not known. To address this uncertainty, I varied the roughness from that of a smooth pipe to 100 times the roughness of a smooth pipe. Detailed discussion of all such sensitivity studies are included in Appendix G.

30 | 33

TREX 011683.0030