

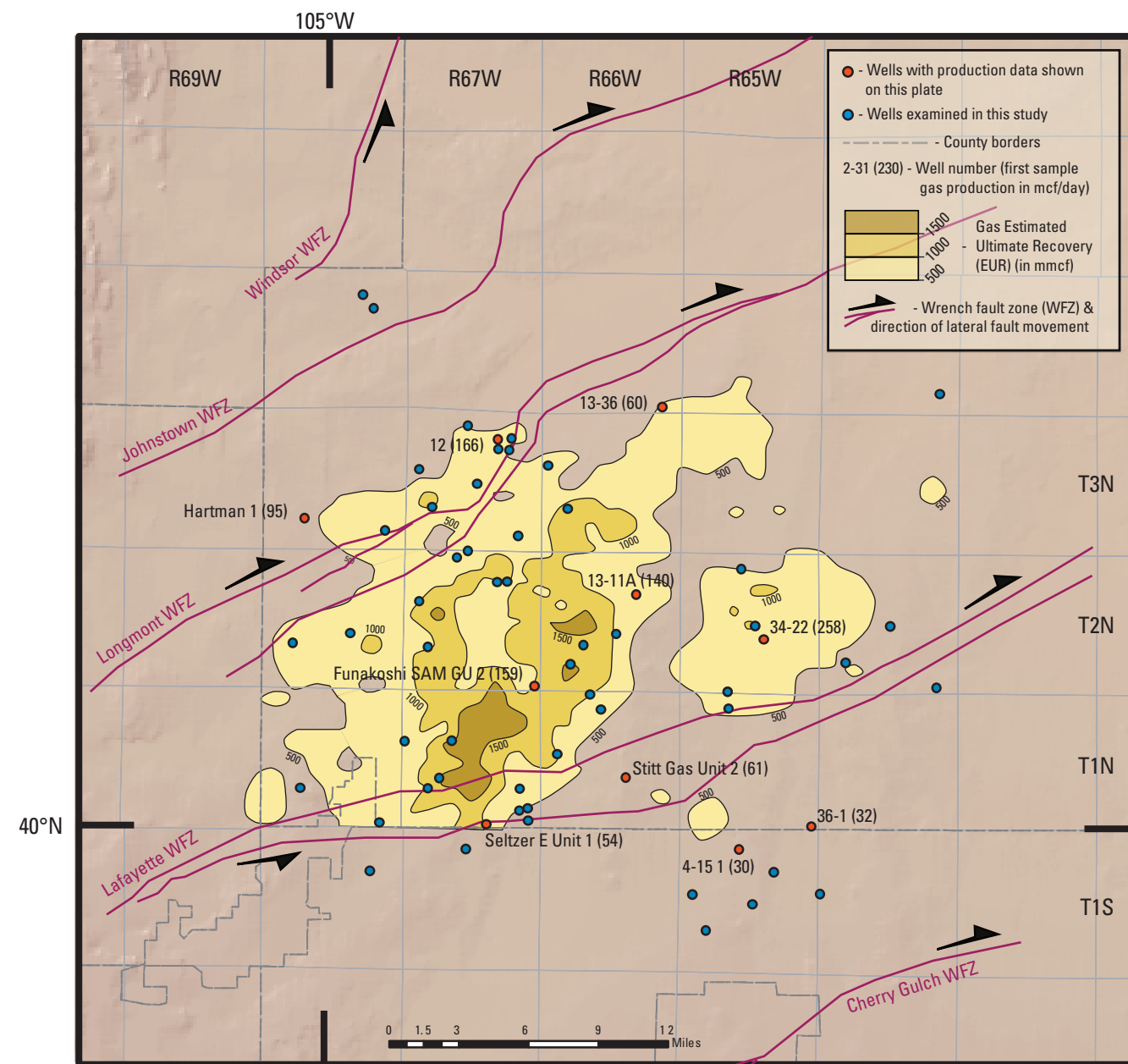
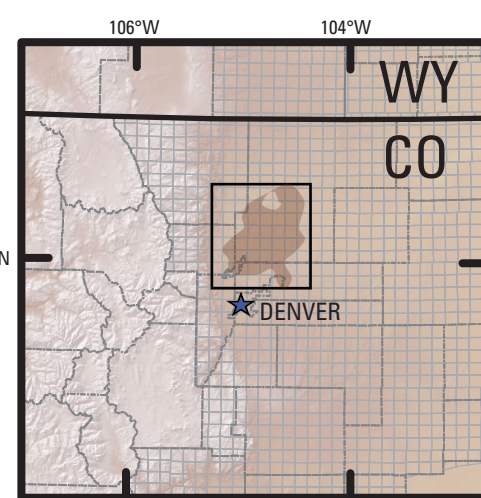


Figure 2-1. Map of wells in this study for the Dakota J Interval, Wattenberg field. Wrench faults taken from Higley and others (2003). Contours of estimated ultimate recovery from Hu and Simmons (2001).



Locations of the 62 wells that were studied are shown in figure 2-1. Gas and water production at the first sample time is summarized in figure 2-2, with gas and oil production at the first sample time in figure 2-3. Changes in water and gas production over five-year intervals are shown as vectors in figure 2-4, with the normalized vectors in figure 2-5. Production plots for 10 of these 62 wells are shown in figures 2-6 through 2-15; two vertical lines show time of first and second samples. Section, township, and range are given below API number for each well. Production interval depths shown on plots. [mcf, thousand cubic feet; mmcf, million cubic feet; bbl, barrels]

Figure 2-2. First sample water and gas production

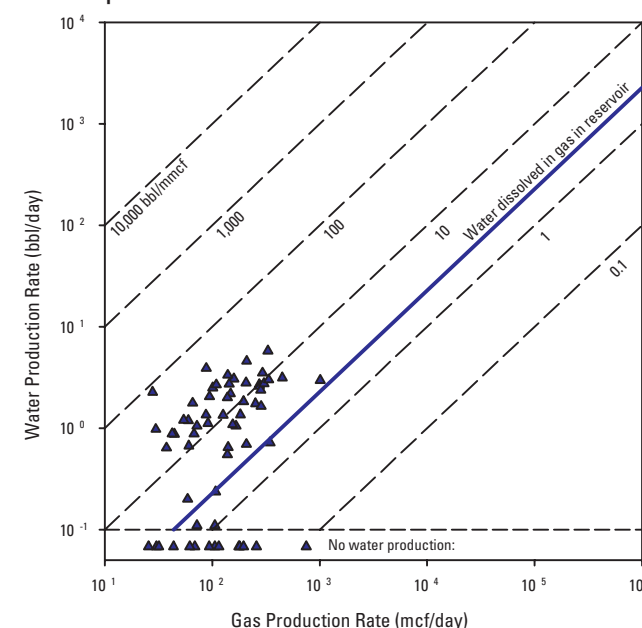


Figure 2-3. First sample oil and gas production

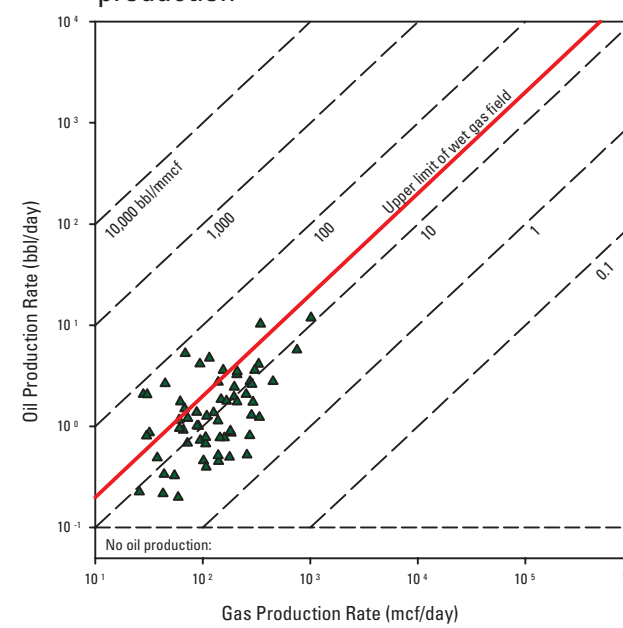


Figure 2-4. Change in water and gas production over 5-year interval

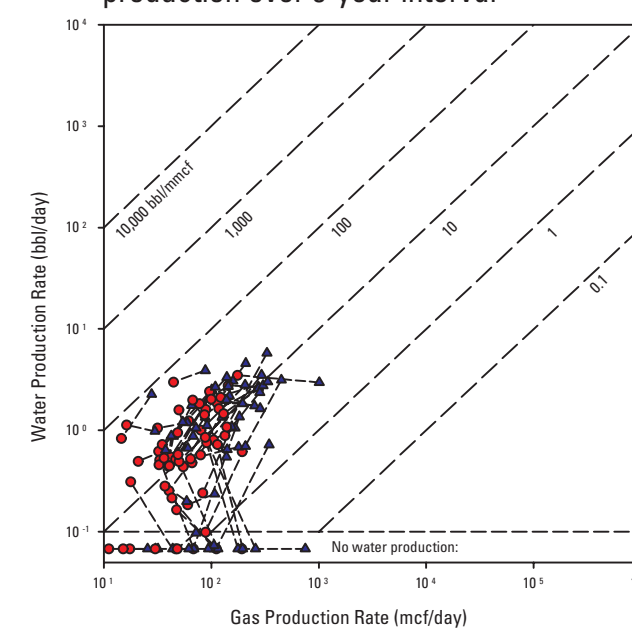


Figure 2-5. Normalized change in gas and water production over 5-year interval

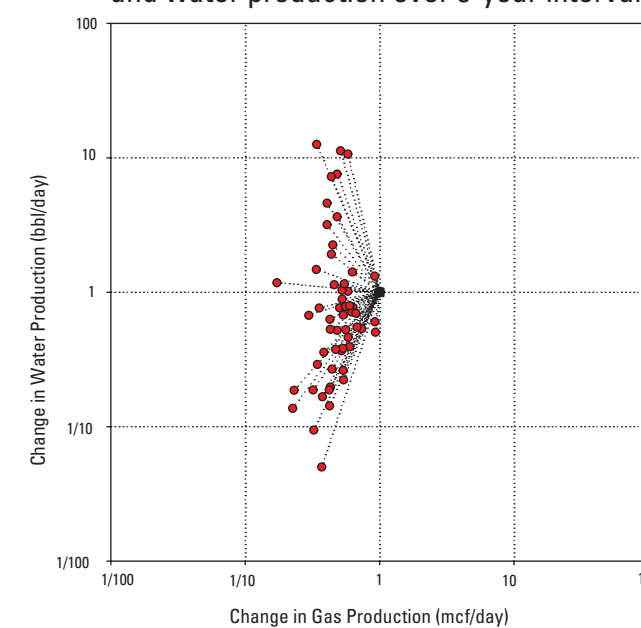


Figure 2-6. Well 13-36

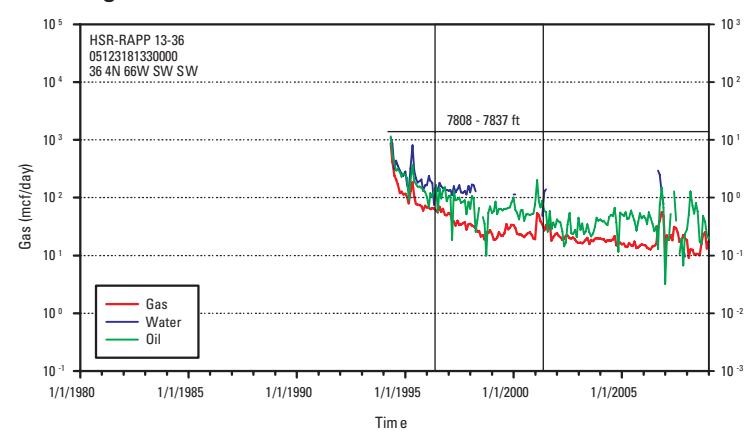


Figure 2-7. Well 12

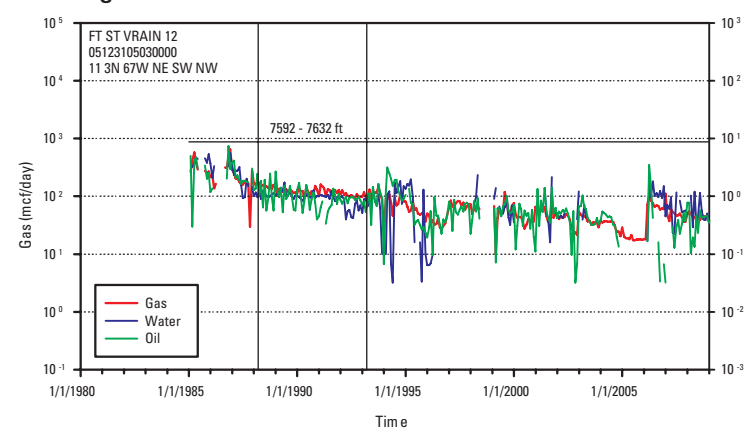


Figure 2-8. Well Hartman 1

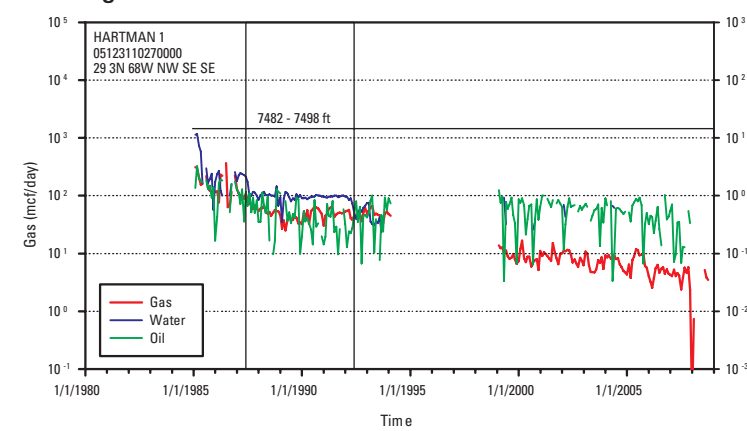


Figure 2-9. Well 13-11A

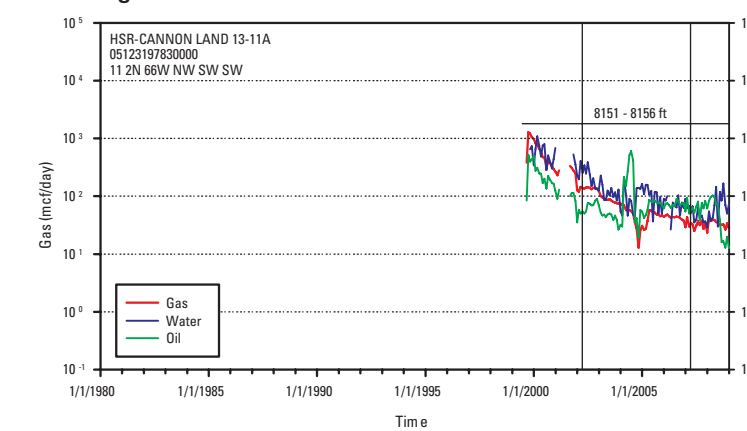


Figure 2-10. Well 34-22

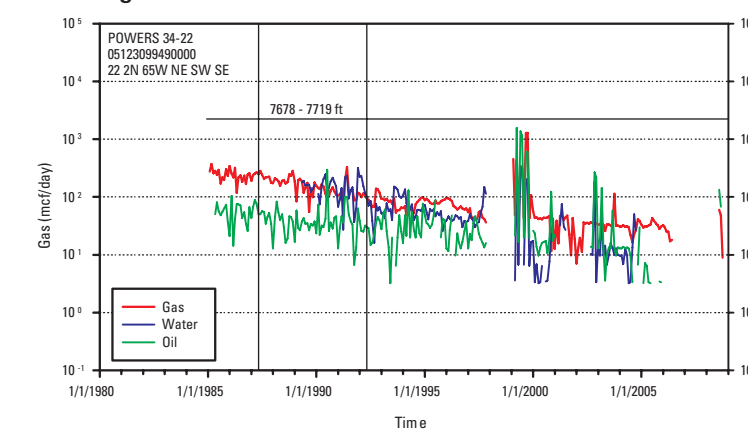


Figure 2-11. Well Funakoshi SAM GU 2

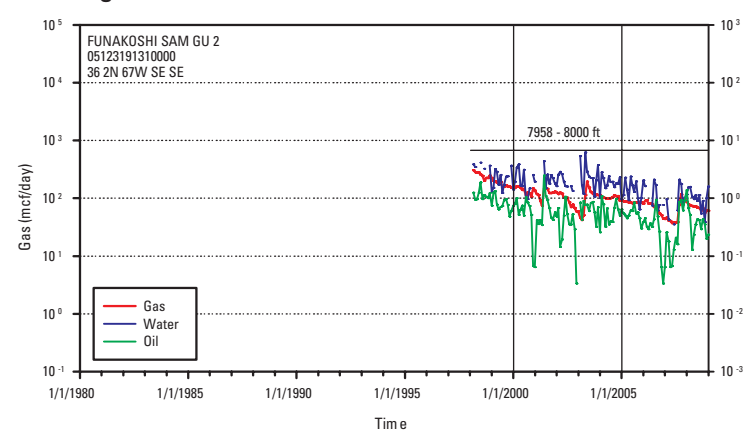


Figure 2-12. Well Stitt Gas Unit 2

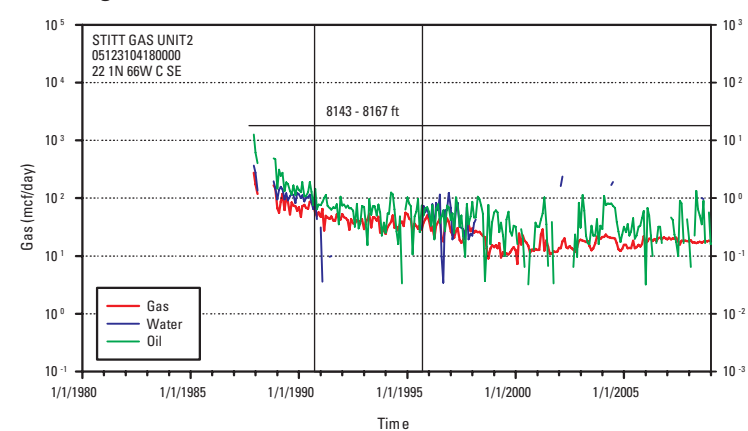


Figure 2-13. Well 36-1

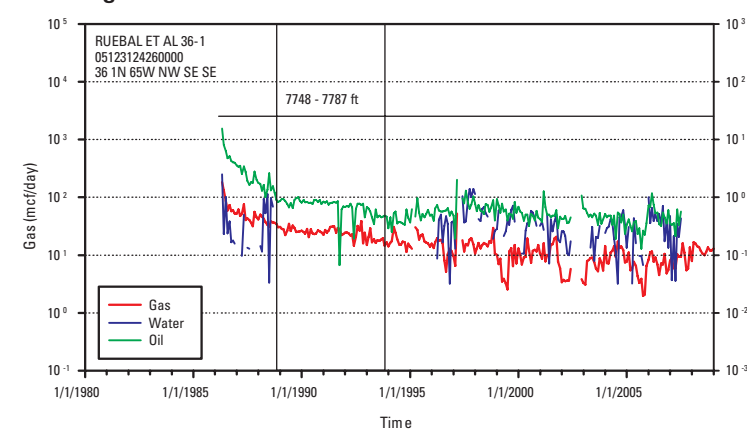


Figure 2-14. Well Seltzer E Unit 1

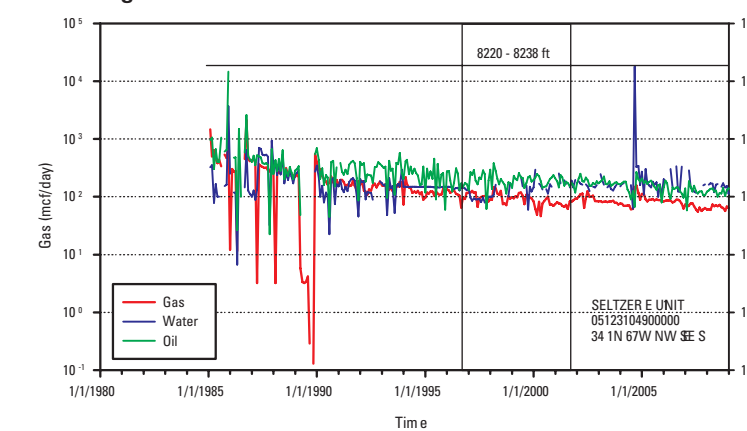


Figure 2-15. Well 4-15 1

