Data Description Appendix:

Test #1: Conducted on 4/11/2006. A 5.5 inch O.D. temporary steel casing was run in the open borehole below the 53.5 ft deep 8.625 inch O.D. surface casing to a depth of 297.3 ft. A 1.625 inch O.D. steel tremmie line (reinjection line) was run into the 5.5-inch casing and below into the open hole to a depth of 954.9 ft. The geophysical logging tool, including fluid resistivity, was run in next on a wireline and set at 320 ft. Finally, a 1.5 HP pump was installed inside the 5.5-inch temporary casing with the pump intake set at 276.8 ft. The well was pumped at approximately 15-20 gpm for approximately 30 minutes to test the pump and "clear-up" the well. The pump was shut in and a baseline fluid resistivity logging run (1536) was conducted down from 320 ft to 940 ft. The deionization circuit was then connected and the downhole pump started with the produced fluid circulated through the deionization tanks and down the tremmie line set at 954.9 ft (DI recirculation). Initially, the deionized fluid (DI) was mixed with borehole fluid at a ratio of 3.5:1 before pumping back down the tremmie line. After approximately 50 minutes of pumping at approximately 14.5 gpm, the mixing circuit was eliminated and only DI was recirculated. The borehole was produced at 13.4 gpm for another approximately 2 hours with DI recirculation. Baseline logging runs were conducted at 1834 and 1851 prior to shutting in the pump at 1910. Five more logging runs were conducted under ambient (non-pumping) conditions during the evening of 4/11/06 (1915, 1932, 2000, 2100, 2400) and a final ambient log was run at 0600 on 4/12/06. Logging data is contained in file 32_FEC.las with the data from all subsequent tests.

Test #2: Conducted on 4/12/2006. The temporary casing and pump were unchanged. The reinjection line was raised to 654.0 ft. The borehole was produced at 13.3 gpm for approximately 50 minutes with DI recirculation. A baseline logging run was conducted down from 320 ft to 730 ft at 0905 prior to shutting in the pump at 0912. One ambient logging run was conducted at 0917, after the pump shut in.

Test #3: Conducted on 4/12/2006. The temporary casing and pump were unchanged. The reinjection line was raised again to 514.2 ft. The borehole was produced at 11.3 gpm for approximately 32 minutes with DI recirculation. A baseline logging run was conducted down from 320 ft to 550 ft at 1043 prior to shutting in the pump at 1046. Three more logging runs were conducted under ambient conditions during 4/12/06 (1052, 1057 and 1103).

Test #4: Conducted on 4/12/2006. The temporary casing and pump were unchanged. The reinjection line was raised again to 413.9 ft. The borehole was produced at 13.1 gpm for approximately 21 minutes with DI recirculation. Baseline logging runs were conducted down from 380 ft to 500 ft at 1217 , 1221 and 1224 prior to shutting in the pump at approximately 1230. Two more logging runs were conducted under ambient conditions during 4/12/06 (1234 and 1237).