Marvin Blan #1
Maquoketa Core Report

(as described by Bruce Hart)
Fractured interval
Notes

- Core measured from top down as it was extruded from liners (lower 10’ not described due to time constraints)
- Descriptions made on unslabbed cores
- Depositional environment interpreted as a distal, low-energy deep-water setting
- Good correlation between core and core GR log, but no clear correlation between core GR and wireline GR
Core Analysis

- All core pucks analyzed using X-ray Diffraction, Total Organic Carbon, and Thin sections
- Additional confinement zone testing on selected horizontal plugs
  - Threshold entry pressure (using $\text{CO}_2$)
  - Liquid perm screening
  - Mercury injection capillary pressure
  - Vapor desorption capillary pressure
- Rock mechanics tests performed on one vertical core
  - Unconfined compressive strength
  - Triaxial compressive strength
  - Acoustic velocity test