Supplemental Figure 2. Integrated Stratigraphy and Chemostratigraphy, Midland County Core

Lamina Geometry
- Continuous
- Discontinuous
- Planar, parallel
- Planar, nonparallel
- Curved, parallel
- Curved, nonparallel
- Wavy, parallel
- Wavy, nonparallel

Physical Sedimentary Structures
- Scour Surface
- Lag Bed
- Stylolite
- Inter-laminated Mud
- Pyrite
- Vertical Mineralized Fracture
- Horizontal Mineralized Fracture
- Pyritic Lamination
- Phosphate Nodule
- Lenticular Phosphate Nodule

Chemical Sedimentary Structures
- Chert
- Black Mud Rock 1 (BMR-1)
- Black Mud Rock 2 (BMR-2)
- Grey Mud Rock (GMR)
- Mixed Limestones (MDST, WKST, PKST and GNST)
- Dolomite (DOL)
- Diagenetic Mineralized Beds (DMB)

Biogenic Sedimentary Structures and Fossils
- Echinoderm
- Bioturbated
- Vertical Burrow
- Horizontal Burrow
- Shell Fragment
- Shell Fragment
- Gastropod
- Gastropod
- Pyrited Microskeletal Grain
- Coral
- Microskeletal Grain
- Coral
- Microskeletal Grain
- Coral
- Microskeletal Grain
- Coral

Lithofacies