Appendix 8-D. CT scans for the Fred Barth No. 3 core
Computed Tomography of Utica (Barth Well)
Data-Set Description

• 5 Sections were scanned with an Industrial CT-Scanner; Section 5468 & 5659 were split into A and B.
• Raw data is available via the slices folder under each subsection.
• Cropped data, in the form of a .tiff stack, is available for each sample. These samples were delineated via best edge approximation and untilting of the core sample.
• X & Y planar slices were created for each data set as well as a montage to represent the true variability in the cores. These images are available in the proceeding sections (cropped & modified) and in their raw format under each main sample folder.
Utica (Barth) (5648A Ft)
Resolution: 34.6 µm
Number of Slices: 1636
Utica (Barth) (5648B Ft)
Resolution: 34.6 µm
Number of Slices: 1600

Middle Y Slice    Montage of Z Slices Through Core (156 Slices)    Middle X Slice
Utica (BarthA) (5659A Ft)
Resolution: 45.4 µm
Number of Slices: 1700

Middle Y Slice  Montage of Z Slices Through Core (182 Slices)  Middle X Slice
Utica (BarthA) (5659B Ft)

Resolution: 37.1 µm
Number of Slices: 1760

<table>
<thead>
<tr>
<th>Middle Y Slice</th>
<th>Montage of Z Slices Through Core (182 Slices)</th>
<th>Middle X Slice</th>
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<tbody>
<tr>
<td><img src="image1.jpg" alt="Middle Y Slice" /></td>
<td><img src="image2.jpg" alt="Montage of Z Slices Through Core" /></td>
<td><img src="image3.jpg" alt="Middle X Slice" /></td>
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Utica (BarthA) (5672 Ft): Sample subcored along bedding planes

Resolution: 42 µm
Number of Slices: 1700
Utica (BarthA) (5714 Ft)
Resolution: 35 µm
Number of Slices: 1690
Utica (BarthA) (5714 Ft)
Resolution: 44.9 µm
Number of Slices: 1630