Nomenclature

Carbonates: Evap. | Shale | W.S. | P.S. | G.S. | B.S.

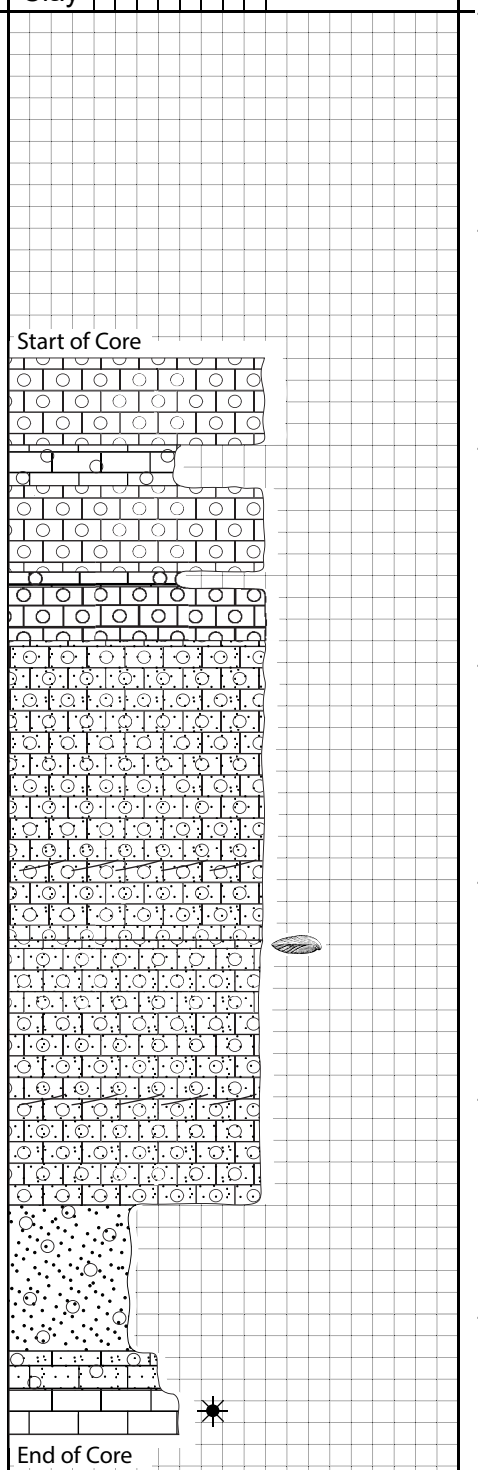
Clastics: Clay | Silt | V.F. | Fine | Med.

Core Depth (m) (ft)

Project: Powell 4-22 Date: 2025.3.10

API: 15-081-20495 KID: 1006073363 Haskell County, Kansas

Geologist: Oborny (KGS Scientist) Page: 1 of 1



4650 1 2 3 4 4655 6 7 8 9 4660 1 2 3 4 4665 6 7 8 9 4670 1 2 3 4 4675 6 7 8 9 4680 1 2 3 4 4685 6 7 8 9 4690

Description

Cored Interval: 4658.0' - 4682.8' / Total = 24.8'
Whole drill core reacts to HCl.

Moldic Porosity: Well-developed between 4658.0' and 4671.4' where ooids are ~1mm in diameter. Moderate from 4671.4'-~4678.75' accompanied by sub-mm diameter ooids. Moldic porosity diminishes below 4678.75'.

4658.0'-4660.0' Ooid grainstone. Tan-to-gray in color, weak hydrocarbon staining

4660.0'-4660.85' Fossiliferous wakestone. Stylolitic @ 4660.1', 4660.5', & 4660.65'. Weakly oolitic, dense, gray in color

4660.85'-4662.9' Ooid grainstone. Tan-to-gray in color, weak hydrocarbon staining

4662.9'-4663.25' Oolitic wakestone. Weak stylolite at upper contact. Predominantly gray in color.

4663.25'-4671.4' Oolitic grainstone. Silty and impure between 4664.5'-4671.4'.
Stylolite @ 4671.35'.

4671.4'-~4677.5' Silty oolitic grainstone. Brachiopoda (~1-1.3 cm size) w/ geopetals between 4671.4' & 4671.9'.

~4677.5'-~4680.8' Oolitic siltstone. Light tan in color.

~4680.8'-~4681.75' Silty-oolitic wakestone. Tan in color.

~4681.75'-4682.8' Fossiliferous wakestone. Crinoidea common. Dark gray in color. Dense.

Ooid Grainstone
Oolitic Wackestone
Wackestone
Silty Oolitic Wackestone
Oolitic Siltstone
Siltstone
Silty Ooid Grainstone
Stylolite
Crinoidea (abundant)
Foresets
Brachiopoda (common)