

THREE CORE LOGS, KINNEY No. 1, 2 AND 3,
FROM A PENNSYLVANIAN LAGERSTÄTTEN OF NEW MEXICO

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Kansas Geological Survey
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EXPLANATION

Note: All measurements taken along C-axis of core.

Graphic Log	Bedding	Cement	Fauna
<p> Conglomerate</p> <p> Sandstone</p> <p> Siltstone</p> <p> Shale</p> <p> Mudstone</p> <p> Wackestone</p> <p> Packstone</p> <p> Grainstone</p> <p> Karst Breccia</p> <p> Tectonic Breccia</p> <p> Contact, Sharp</p> <p> Contact, Gradational</p> <p> Contact, Undulatory</p>	<p>Thickness</p> <p>< 1 cm Laminated</p> <p>1 cm - 15 cm Thin</p> <p>15 cm - 60 cm Medium</p> <p>60 cm - 2 m Thick</p> <p>> 2 m Massive</p> <p>Bedding Character</p> <p> Uniform, Planar</p> <p> Wavy</p> <p> Convoluted, Irregular</p> <p> Blocky</p> <p> Discontinuous</p>	<p>Cement</p> <p> Clay</p> <p> Calcite</p> <p> Micrite</p> <p> Fine Sparite</p> <p> Coarse Sparite</p>	<p>Fauna</p> <p> <i>Dunbarellia</i></p> <p> Bivalves (others)</p> <p> Articulate Brachiopods</p> <p> Inarticulate Brachiopods</p> <p> Crinoids (stems)</p> <p> Gastropods</p> <p> Rugosa Corals</p> <p> Other (generally unidentifiable skeletal bits, and Forams).</p> <p>Abundant > 100/foot core</p> <p>Common 20 - 100/foot core</p> <p>Rare 7 - 20/foot core</p> <p>Present < 6/foot core</p>
<p>Modifier</p> <p> Sandy</p> <p> Silty</p> <p> Calcareous</p> <p> Pyritic (disseminated, bed)</p> <p> Argillaceous</p> <p> Whole Fossil (unbroken)</p> <p> Skeletal (broken, fragmented)</p>	<p>Sedimentary Structures</p> <p> Burrows (horizontal)</p> <p> Burrows (vertical)</p> <p> Cross-bedding (festoon, trough)</p> <p> Cross-bedding (micro)</p> <p> Cross-bedding (tabular)</p> <p> Flaser Bedding</p> <p> Fining Upward</p> <p> Coarsening Upward</p> <p> Mottling</p> <p> Fissile (breaks evenly on laminae)</p> <p> Varved (color or size grading)</p> <p> Pressure Solution Bedding</p> <p> Caliche Nodules</p> <p> Root Casts</p> <p> Limestone Clasts</p> <p> Stylolites</p> <p> Soft Sediment Deformation</p>		<p>Alteration</p> <p> Fracture</p> <p> Calcite Vein</p> <p> Rubble</p> <p> Breccia</p> <p> Fault</p>

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-  Sandstone
-  Siltstone
-  Shale
-  Mudstone
-  Wackestone
-  Packstone
-  Grainstone
-  Karst Breccia
-  Tectonic Breccia
-  Contact, Sharp
-  Contact, Gradational
-  Contact, Undulatory

Bedding

- Thickness
- < 1 cm Laminated
 - 1 cm - 15 cm Thin
 - 15 cm - 60 cm Medium
 - 60 cm - 2 m Thick
 - > 2 m Massive
- Bedding Character
-  Uniform, Planer
 -  Wavy
 -  Convolute, Irregular
 -  Blocky
 -  Discontinuous

Cement

-  Clay
-  Calcite
-  Micrite
-  Fine Sparite
-  Coarse Sparite

Fauna

-  *Dunbarella*
-  Bivalves (others)
-  Articulate Brachiopods
-  Inarticulate Brachiopods
-  Crinoids (stems)
-  Gastropods
-  Rugosa Corals
-  Other (generally unidentifiable skeletal bits, and Forams).

- Abundant > 100/foot core
- Common 20 - 100/foot core
- Rare 7 - 20/foot core
- Present < 6/foot core

Sedimentary Structures

-  Burrows (horizontal)
-  Burrows (vertical)
-  Cross-bedding (festoon, trough)
-  Cross-bedding (micro)
-  Cross-bedding (tabular)
-  Flaser Bedding
-  Fining Upward
-  Coarsening Upward
-  Mottling
-  Fissile (breaks evenly on laminae)
-  Varved (color or size grading)
-  Pressure Solution Bedding
-  Caliche Nodules
-  Root Casts
-  Limestone Clasts
-  Stylolites
-  Soft Sediment Deformation

Modifier

-  Sandy
-  Silty
-  Calcareous
-  Pyritic (disseminated, bed)
-  Argillaceous
-  Whole Fossil (unbroken)
-  Skeletal (broken, fragmented)

Alteration

-  Fracture
-  Calcite Vein
-  Rubble
-  Breccia
-  Fault

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