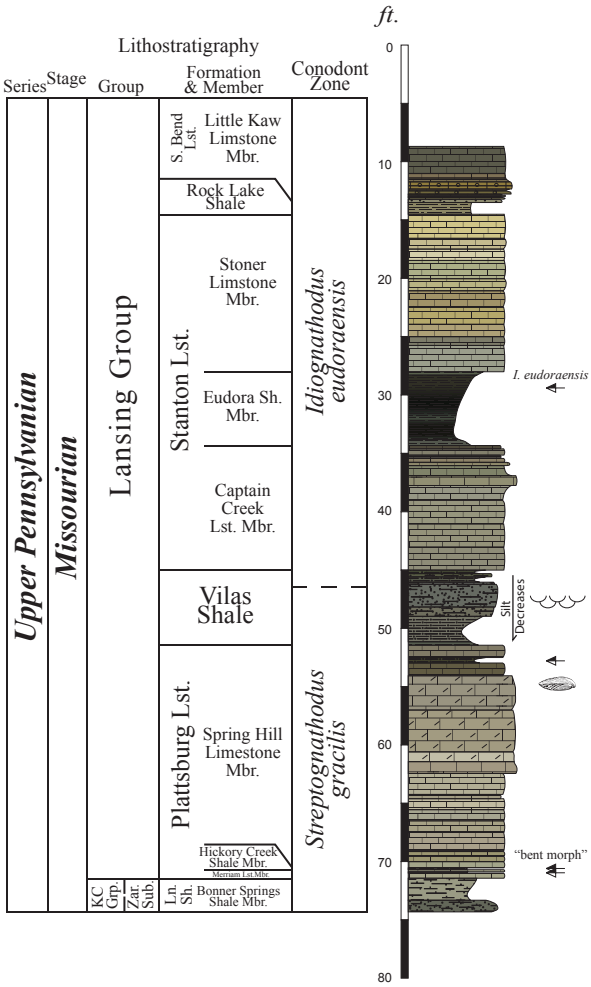
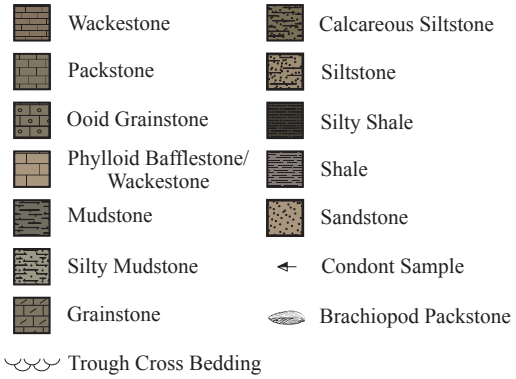
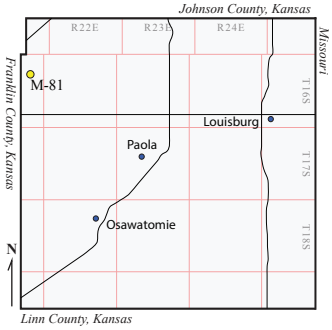
KDOT: M-81 Core, Miami County, NE Kansas





Core Logged and Illustrated by: Stephan C. Oborny, University of Iowa

KID: 1035180110
Location: T16S R21E, Sec. 11 SE NE SE
Longitude: -95.0479081°
Latitude: 38.670721°
Elevation: 1008 GL
Total Depth: 74 feet
Note: W. side of Pleasant Valley Rd., 0.3 mi. N. of 255th Rd.



Fe-Staining: 8'9.5"- 25'7" (8.75-25.58 ft.)

Southbend Limestone: (Total Thickness: 4.75 ft.)
Little Kaw Limestone Mbr.: (8.79-13.54 ft.)
Wackestone (8.79-11.71 ft.)
Ooid Grainstone (11.71-12.33 ft.)
Wackestone <Oolitic> (12.33-12.54 ft.)
Ooid Grainstone (12.54-12.67 ft.)
Sandstone <V-Fine> (12.67-12.79 ft.)
Wackestone (12.79-12.90 ft.)
Sandstone <V-Fine> (12.90-13.04 ft.)
Wackestone (13.04-13.21 ft.)
Sandstone <V-Fine> (13.21-13.54 ft.)
Rock Lake Shale: (Total Thickness: 0.98 ft.)
Shale (13.54-14.52 ft.)
Stanton Limestone: (Total Thickness: 30.48 ft.)
Stoner Limestone Mbr.: (14.52-28.08 ft.)
Wackestone
Eudora Shale Mbr.: (28.08-34.38 ft.)
Shale <Fossiliferous> (28.08-28.30 ft.)
Shale <Fissile> (28.30-33.83 ft.)
Shale <Fossiliferous> (33.83-34.38 ft.)
Captain Crk Lst. Mbr.: (34.38-45.0 ft.)
Wackestone <Argillaceous> (34.38-34.63 ft.)
Wackestone (34.63-35.21 ft.)
Wackestone <Argillaceous> (35.21-35.44 ft.)
Wackestone (35.44-35.81 ft.)
Packstone (35.81-36.0 ft.)
Wackestone (36.0-45.0 ft.)
Vilas Shale: (Total Thickness: 6.38 ft.)
Silty Shale (45.0-45.33 ft.)
Calcareous Siltstone <Coarse> (45.33-45.5 ft.)
Silty Shale (45.5-46.0 ft.)
Calcareous Siltstone <Coarse> (46.0-46.17 ft.)
Siltstone <Coarse; Trough Cross Bedding> (46.17-48.13 ft.)
Calcareous Siltstone <Coarse> (48.13-48.96 ft.)
Silty Shale (48.96-51.08 ft.)
Shale <Fossiliferous> (51.08-51.38 ft.)
Plattsburg Limestone: (Total Thickness: 20.08 ft.)
Spring Hill Limestone Mbr.: (51.38-70.71 ft.)
Wackestone <Osagia coating> (51.38-52.5 ft.)
Shale <Fossiliferous> (52.5-52.92 ft.)
Grainstone (52.92-61.46 ft.)
<Brachiopods; 54.83-55.17 ft.>
Phylloid Bafflestone/Wackestone (61.46-62.46 ft.)
Wackestone (62.46-70.71 ft.)
<Argillaceous; 64.25-64.67 ft.)
Hickory Creek Shale Mbr.: (70.71-70.79 ft.)
Shale <Fossiliferous>
Merriam Limestone Mbr.: (70.79-71.46 ft.)
Wackestone (70.79-70.92 ft.)
Shale <Fossiliferous> (70.92-71.0 ft.)
Wackestone (71.0-71.46 ft.)
Lane Shale (Total Thickness: 2.87 ft.)
Bonner Springs Shale Mbr.: (71.46 –74.33 ft.)
Mudstone (71.46-73.33 ft.)
<Nodules: 72.17-72.59 ft., 73.0-73.58 ft.>
Calcareous Siltstone <Coarse> (73.33-74.33 ft.)