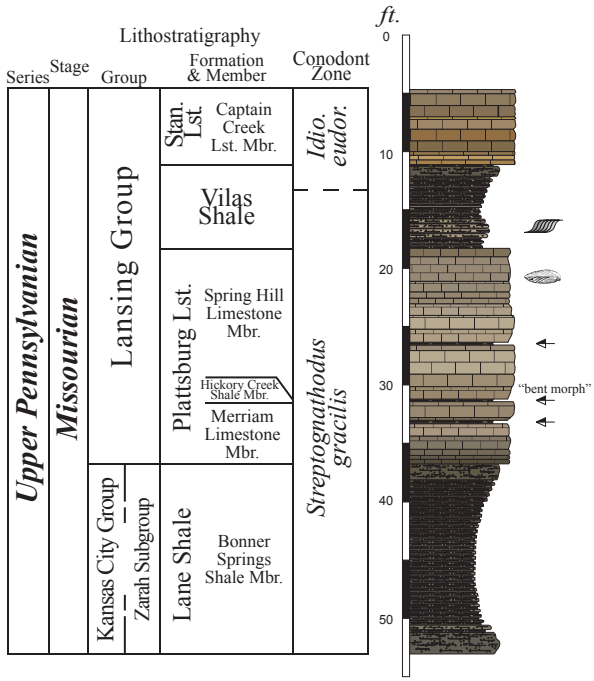
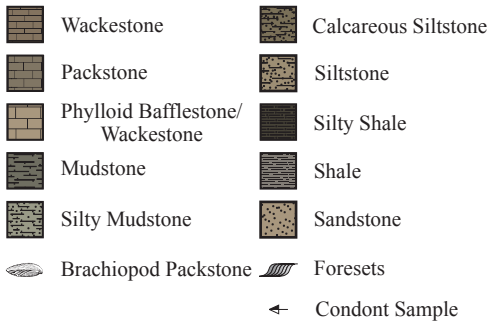
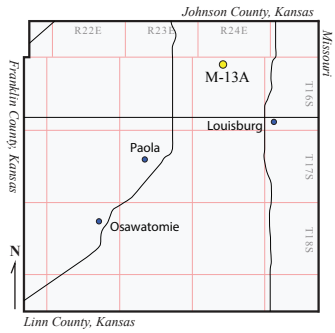
KDOT: M-13A Core, Miami County, NE Kansas





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

KID: 1035023967
Location: T16S R24E, Sec. 4 SW SW NE
Longitude: -94.7581473°
Latitude: 38.6881003°
Elevation: 1093 GL
Total Depth: 60 feet
Note: E. side of Lackman Rd., 0.4 mi S of 239 Rd.



Fe-Staining: 4'7"- ~11'3" (4.58-11.25 ft.)
Dissolution and friability visible (non-extensive)

Stanton Limestone: (Total Thickness: 6.42 ft.)
Captain Crk Lst. Mbr.: (4.58-11.0 ft.)
Phylloid Bafflestone/Wackestone

Vilas Shale: (Total Thickness: 7.25 ft.)
Mudstone (11.0-11.17 ft.)
Calcarious Siltstone (11.17-12.08 ft.)
Interbedded Silt/Shale (12.08-18.25 ft.); silt increases from 15.5-17.5 ft.

Plattsburg Limestone: (Total Thickness: 13.25 ft.)
Spring Hill Limestone Mbr.: (18.25-31.5 ft.)
Packstone (18.25-24.0 ft.); Brachiopod Packstone (20.33-20.92 ft.)
Phylloid Bafflestone/Wackestone (24.0-25.33 ft.)
Packstone (25.33-26.25 ft.)
Fossiliferous Shale (26.25-26.5 ft.)
Phylloid Bafflestone/Wackestone (26.5-30.33 ft.)
Packstone (30.33-31.08 ft.)
Hickory Creek Shale Mbr.: (31.08-31.5 ft.)
Shale
Merriam Limestone Mbr.: (31.5-36.75 ft.)
Phylloid Bafflestone/Wackestone (31.5-32.83 ft.)
Packstone (32.83-33.0 ft.)
Fossiliferous Shale (33.0-33.33 ft.)
Packstone (33.33-36.75 ft.); matrix appears greenish in color (33.33-34.0 ft.)

Lane Shale (Total Thickness: 13.58 ft.)
Bonner Springs Shale Mbr.: (36.75 –53.0 ft.)
Calcareous Siltstone (36.75-38.0 ft.); silt content increases with depth
Interbedded Silt/Shale (38.0-50.58 ft.); silt dominated
Silty Mudstone (50.58-50.92 ft.)
Calcarious Siltstone (50.92-51.25 ft.)
Silty Mudstone (51.25-53.0 ft.)