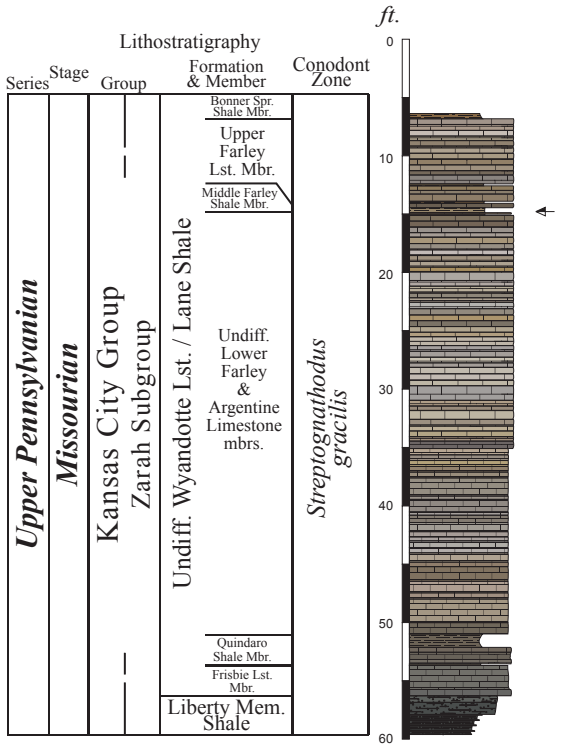
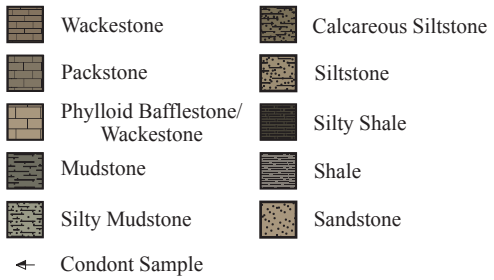
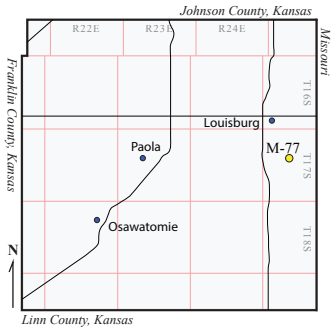
KDOT: M-77 Core, Miami County, NE Kansas





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

KID: 1035180106
Location: T17S R25E, Sec. 16 SW SW NW
Longitude: -94.6562315°
Latitude: 38.570969°
Elevation: 1107 GL
Total Depth: 60 feet
Note: E. side of Rockville Rd., 0.4 mi. S. of 303 Rd.



Fe-Staining: 6'10"- 39'9" (6.83-39.75 ft.); concentrated friability at 8.5-12.5 ft. & 18.0-39.75 ft.

Undifferentiated Lane Sh. & Wyandotte Lst.
(Total Thickness: 49.85 ft.)
Bonner Springs Shale Mbr.: (6.5-6.83 ft.)
Shale
Upper Farley Lst. Mbr.: (6.83-12.42 ft.)
Phylloid Bafflestone/Wackestone
<Dissolution Common, 2" Silicification @ ~11.5 ft.>
Middle Farley Shale Mbr.: (12.42-14.04 ft.)
Fossiliferous Shale (12.42-12.5 ft.)
Phylloid Bafflestone/Wackestone (12.5-13.96 ft.)
<Dissolution Common>
Shale (13.96-14.04 ft.)
undifferentiated Lower Farley & Argentine Lst. mbrs.: (14.04-51.0 ft.)
Phylloid Bafflestone/Wackestone (14.04-14.42 ft.)
Fossiliferous Shale (14.42-14.85 ft.)
Packstone <Argillaceous> (14.85-15.0 ft.)
Fossiliferous Shale (15.0-15.08 ft.)
Phylloid Bafflestone/Wackestone (15.08-44.10 ft.)
<Dissolution Common, 18.08-19.42 ft.>
<Abundant Dissolution, 19.92-24.0 ft.>
<Silicification, 20.75-21.0 & 22.75-23.17 ft.>
Wackestone (35.08-51.0 ft.)
<Silicification, @ ~39.33 & 41.42 ft.>
Quindaro Shale Mbr.: (51.0-53.58 ft.)
Fossiliferous Shale
Packstone (52.21-52.54 ft.)
Packstone <Argillaceous> (52.54-53.21 ft.)
Packstone (53.21-53.5 ft.)
Fossiliferous Shale (53.5-53.58 ft.)
Frisbie Limestone Mbr.: (53.58-56.35 ft.)
Wackestone (53.58-55.83 ft.)
Packstone <Silty> (55.83-56.35 ft.)
Liberty Memorial Shale (Total Thickness: 3.15 ft.)
Calcareous Siltstone (56.35-57.83 ft.)
Interbedded Silt/Shale (57.83-59.5 ft.)