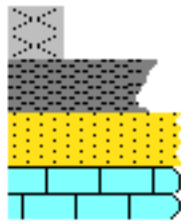


14a. Falls City Limestone down to the base of the Aspinwall Limestone Member of the Onaga Shale T: 10S R: 13E S: 6

Latitude: 39.20932 Longitude: -96.00745 Elevation (GL): 1096.0 Depth: 23.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structures	Fossils	Remarks
	Members	Formations	Subgroup	Group	Series	System					
0		Falls City Limestone									Limestone light-gray to very light olive gray fine-grained slightly micaceous coquinoïdal lenses less than 0.01 ft thick and 0.1 ft long of very light greenish gray dense limestone weathers to single light-yellowish-brown bed that has a banded and granular appearance upper surface weathers irregular castellated very small fossil fragments Claystone light-olive-gray
2											Limestone light-olive-gray very fine grained silty slightly micaceous coquinoïdal weathers to single light-yellowish-brown bed that has indistinct banding and a granular appearance minute shell fragments and a few Osagia and crinoid stems 1.3 Covered Interval 1.6
4	Hawxby Shale	Onaga Shale									
6											Limestone dense to very fine grained argillaceous weathers to sharp-edged fragments that are moderate yellowish brown to dark yellowish orange some brachiopod shells and spines 2.1
8											siliceous sandstone fragments as much as 0.7 ft long vugs filled with quartz crystals Covered interval 3.5
10											
12											Sandstone very fine grained very thin bedded weathers light brown greenish-gray claystone inclusions as much as 0.01 ft long upper contact not exposed Claystone light-olive-brown slightly silty laminated some brownish-black stain on bedding planes and joints scattered carbonaceous material 1.9
14											Limestone light-olive-gray very finely crystalline argillaceous weathers moderate Claystone light-olive-brown slightly silty laminated some Limestone light-olive-gray Limestone light-olive-gray
16											
18											
20	Aspinwall Limestone										Limestone light-gray very fine grained slightly argillaceous moderately pyritic single bed that weathers to smooth plates mottled light gray and light yellowish gray and containing many very small vugs partly filled with pyrite that weathers dark yellowish orange many minute shell fragments especially in upper part some gastropods and ostracodes 2.3
22											

Primary Rock Lithology



- covered
- Clay, Claystone
- Sand, Sandstone
- Limestone

Secondary Rock Lithology



- Clayey, Argillaceous, clay
- Silty, Silt
- Micaceous
- Carbonaceous, Carbonized
- Pyritic, pyrite
- Calcareous

Fossils

- Fresh Water
- Brackish Water
- Marine
- Macrofossils
- Brachiopods
- Crinoids
- Gastropods
- Pelecypods
- Algae
- Ostracodes

- Few
- Many
- Broken

Sedimentary Structure Symbols

Depositional Structures

- Bedding Base
- Abrupt or sharp, planar base of bed
- Lamination
- Parallel Laminations
- Stratification
- Horizontal bedding