

Upper Pierre Shale T: 12S R: 42W S: 1  
Latitude: 39.0389 Longitude: -101.9329 Elevation (GL): 3745.0 Depth: 861.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structure	Fossils	Remarks
	Members	Formations	Subgroup	Stage	Series	Subsystem					
0	Beecher Island Shale	Pierre Shale									50   Elias (1931 p. 123-124) consists of about 100 feet of light-gray shale that being transitional between the clay shale of the Pierre and the sandy beds of the overlying Fox Hills Sandstone is somewhat
100											50   The lower part of the member contains gray fossiliferous silty limestone concretions that weather yellowish gray and the upper part of the member contains thin layers of limonite
200											500   - to 600-foot-thick unit of gray and black shale that is only partly exposed in Wallace County and poorly exposed elsewhere in western Kansas.
300											
400											
500											
600	Salt Grass Shale										20   gray clayey shale the upper unit contains
700	Lake Creek Shale										20   gray clayey shale The middle unit contains many
800											20   gray clayey shale the lowest of which contains large

Primary Rock Lithology

Shale

Marly, marl

Limestone

Secondary Rock Lithology

Clayey, Argillaceous, clay

Silty, Silt

Sandy, sand

Marly, marl

Limonitic, limonite

Ironstone

fossiliferous

Calcareous

Fossils

Fresh Water

Brackish Water

Marine

Few

Many

Broken

Macrofossils

Invertebrates

Ammonoids

Sedimentary Structure Symbols

Deformational Structures

Flame structure

Concretions, nodules, geodes in general

Calcareous concretions

Ferruginous concretions or nodules