

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Sedimentary Structure	Fossils	Porosity Type	Porosity	Remarks
	Members	Formations	Subgroup	Series	Subsystem	Era							
0													
	Fleming coal												15.0 15.8 clay shale dark gray 22.4 Fleming Coal
50	Mineral coal un-named coal												33.0 46.6 clay shale dark gray (N3) at base to medium light gray (N6) at top hard parallel
	Scammon coal												46.6 Mineral Coal 52.8 un-named coal
100													62.2 67.2 shale (mudshale) 67.2 77.0 clay shale dark gray (N3) at base to medium gray 77.0 77.7 wackestone
	Tobo coal												84.0 99.0 shale (mudshale) medium gray (N5) at base to medium light gray (N6) at top hard silty quartz micaceous
	Tobo "B" Coal												99.0 115.0 clay medium gray (N5) hard parallel fractures micaceous thin horizontal laminar clay ironstone bands to
150	Weir-Pittsburg coal												115.0 118.2 clay shale dark 119.0 126.9 claystone (mudstone) medium light gray 126.9 Tobo B Coal 131.0 142.5 clay shale dark gray (N5) hard brittle parallel fractures micaceous thin
	Bluejacket "A" Coal												142.5 Weir-Pittsburg Coal 146.9 154.0 siltstone very light gray (N8) light gray (N7) 154.0 172.9 shale (mudshale) medium dark gray (N4) hard parallel fracture slightly silty micaceous thin horizontal laminar with occasional very
	Bluejacket "B" Coal												172.9 Bluejacket A Coal 180.5 180.9 clay shale dark
200	Upper Bluejacket Sandstone												193.6 Upper Bluejacket
	Bluejacket "C" Coal												203.0 203.2 clay ironstone 208.2 213.2 shale (mudshale) 213.2 223.8 shale (mudshale) medium gray (N5) w/ light gray
	Bluejacket "D" Coal												223.8 Bluejacket D Coal 230.0 230.6 clay shale dark
250	Upper Warner Sandstone												239.3 243.5 interbedded 243.5 255.8 interbedded siltstone & shale alternating very light gray (N8) & medium 255.8 Upper Warner Sandstone 260.0 265.2 sandstone very 265.2 269.4 interbedded 269.4 272.4 interbedded
300	"A" Coal												299.7 A Coal 304.0 308.0 shale (mudshale) 308.0 B Coal 312.0 328.0 clay shale medium dark gray (N4) hard parallel fracture micaceous thin horizontal laminar few small
	"B" Coal												328.0 328.2 clay ironstone 334.2 336.4 shale (mudshale)
	"C" Coal												341.4 366.4 shale (mudshale) medium dark gray (N4) hard brittle parallel fracture silty quartz micaceous thin horizontal laminar at base to wavy bedding at top silty zones show abundant bioturbation few
	"D" Coal												366.4 Riverton Coal
350	Riverton coal												376.4 378.0 shale (mudshale)
400													388.0 390.9 hashy rubble to 395.0 396.8 mottled white-blue
													404.3 408.0 white angular
450													415.0 421.0 massive white 421.0 422.5 white angular 425.5 426.8 20-0 mm beds of 430.0 434.0 white angular 434.0 436.0 white angular 439.4 441.5 white-blue mottled
													447.0 449.0 white-blue mottled
500													462.0 466.0 chalky white 466.0 481.0 chalky white triplicate chert silty clay to highly brecciated with dark gray circular to elongate
													484.5 486.5 white-blue mottled 490.7 490.8 3 mm shale bed 495.0 496.0 highly brecciated 499.0 500.0 mottled dense 503.0 503.8 dark gray 507.0 509.0 mottled dark gray 511.0 512.0 mottled dark gray 515.1 540.0 dark gray fossiliferous packstone dominantly crinoids ranging from 2-10 mm strolites iron poor calcite
550													540.0 541.5 massive white blue 545.9 547.5 massive white blue
													553.0 554.1 massive white-blue 558.5 559.8 white blue massive 562.3 563.7 blue-white to 567.2 568.8 white porous (
													572.6 574.0 light gray burrows 576.5 579.9 white porous (
600													580.1 581.5 white porous (
													584.5 587.5 white porous (
													592.0 593.2 white porous (
													597.0 597.5 light gray fine
													600.5 601.6 massive blue white
													605.0 606.0 massive blue white
													611.0 613.0 missing core
													615.0 615.3 wackestone iron
													619.0 620.5 crackle brecciated
													625.0 627.5 variable blue
													628.0 627.5 crackle brecciated
													630.5 633.0 crackle brecciated
													634.0 634.8 burrowed
													641.7 643.0 variable blue
650													641.8 643.0 variable blue
													645.8 647.0 mottled blue white
													649.5 651.0 variable mottled
													656.4 657.0 burrows wackestone
													659.5 660.5 burrows wackestone
													665.5 666.5 coarse sand quartz
													669.0 669.8 large 50 mm coarse
													673.0 674.5 mottled blue-white
													676.5 677.0 dark gray silty
													680.0 682.6 dark gray silty
700													695.0 699.8 silty grainy
													700.2 700.0 silty grainy sand
750													

Primary Rock Lithology

Secondary Rock Lithology

Fossils

Sedimentary Structure Symbols

Depositional Structures

Bedding Base

Abrupt or sharp, planar base of bed

Ripples

Planar, Horizontal ripples

Lamination

Parallel Laminations

Stratification

Horizontal bedding

Parallel wavy bedding

Flaser bedding

Lenticular, linsen bedding

Deformational Structures

Nodules

Nodules - Silicates

Nodules - Pyrite, Ironstone

Calcareous concretions

Ferruginous concretions or nodules

Porosity Type

Fracture

Replacement

Vuggy