

Buhrle 'C' 1 (15-075-00135) T: 26S R: 41W S: 4
Latitude: 37.8184076 Longitude: -101.8073372 Elevation (GL): 3523.0 Depth: 6422.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Grainsize					Fossils	Porosity Type	Porosity	Remarks
	Members	Formations	Subgroup	Stage	Series	Subsystem			Extremely Fine	Very Fine	Fine	Medium	Coarse				
4900																	4900 4903 varicolored sh 4913 4917 varicolored sh 4925 Atokan 4940 4943 dark gray to black 4958 4963 dark gray to black 4978 4980 dark gray to black
5000																	4999 5002 gray buff & brown 5009 5011 gray buff & brown 5018 5020 gray buff & brown 5037 5041 gray buff & brown 5060 5066 gray buff & brown 5080 5085 dark brown sucrosic
5100																	5100 5300 sh dominantly dark gray splintery to blocky sub mackeous partly pyritic sh has other colors but in much lesser amounts mainly various shades of green & brown
5200																	
5300																	5300 5340 buff to brown dense to coarse xln fossiliferous phosphatic glauconitic lst with imbedded coarse subround and frosted sand grains shaly in 5340 5349 sh dominantly dark 5349 5351 gray fine to coarse 5360 5372 white & gray fine to 5372 Mississippian
5400		St. Genevieve Limestone															5417 5422 green & brown clay
5500		St. Louis Limestone															5465 5495 tan to buff dense lst fine to coarse oolites w/ light gray & pink smooth subopaque chert sandy in part 5495 5590 tan to buff dense lst fine to coarse oolites w/ light gray & pink smooth subopaque chert
5600																	5590 5593 green sh 5602 5605 green sh 5640 5740 brown lithographic lst with interbedded anhydrite some brown smooth subtranslucent chert still slightly oolitic
5700																	5747 Salem Limestone
5800																	5790 5850 buff to brown sucrosic to medium xln fossiliferous dolomitic lst abundant endothyra in part 5850 5910 lst dominantly buff to brown medium xln fossiliferous & some what mottled endothyra gray opaque fossiliferous chert
5900		Warsaw Limestone															5910 Warsaw Limestone
6000																	6000 6020 light brown sucrosic profusely cherty dolomite 6020 Kinderhookian 6055 6130 light gray to light buff dense oolitic lst
6100																	6130 6135 green & brown sh 6140 6145 gray fine to coarse 6150 6160 gray fine to coarse 6160 6185 variegated sandy clay & sh with included white smooth opaque to subopaque 6185 6195 white smooth opaque 6195 Viola Limestone
6200		Viola Limestone															6230 6310 gray-buff medium to coarse xln good vuggy porosity dolomite mineral dolomite rhombs abundant in part white & gray smooth opaque to subopaque chert but not abundant
6300																	6310 Simpson
6400																	6359 6359 pale gray sandy brown coarse xln to rhombic tripolitic dolomite white & light gray smooth opaque to subtranslucent partly oolitic chert

Primary Rock Lithology



Clay, Claystone



Shale



Sand, Sandstone



Chert



Limestone



Limestone Dolomite



Dolomite

Secondary Rock Lithology



Shaly, shale



Sandy, sand



Cherty, chert



Glauconite, Glauconitic



Pyritic, pyrite



oolitic



fossiliferous



Calcareous



Dolomitic



Phosphate, Phosphatic



Anhydritic, anhydrite

Fossils

 Fresh Water

 Brackish Water

 Marine

 Macrofossils

 Crinoids

 Foraminifera

 Few

 Many

 Broken

Porosity Type

 Intercrystalline

 Vuggy