

Bluhm 1 (15-077-00231) T: 33S R: 7W S: 9
Latitude: 37.194453 Longitude: -98.085539 Elevation (GL): 1349.0 Depth: 5165.0

Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Fossils	Porosity Type	Porosity	Remarks
	Members	Formations	Subgroup	Stage	Series	System						
3000												
												3007 3010 gray sh 3015 3020 buff dense to fine 3025 3030 gray sh
												3057 3065 gray sh 3065 3077 cream-gray dense to 3077 3092 gray sh
3100												3092 3105 cream-gray dense to 3105 3123 gray sh
												3123 3145 gray-light buff fine min fossiliferous lst
												3145 3155 red & gray sh 3155 3156 gray fine grain
3200												3175 3176 gray fine grain 3190 3191 gray fine grain 3200 3203 gray-light buff
												3235 3295 dominantly gray micaceous sh
3300	Hebner Shale											3295 3310 gray buff & trace brown dense to fine min lst 3310 Hebner Shale
												3320 3328 dark gray to black 3328 3337 buff-brown dense to 3337 3340 gray sh
												3347 3357 cream-gray dense to 3357 3360 gray sh
3400												3375 3380 gray sh 3395 3400 gray sh
												3435 3455 red & gray sh 3455 3510 gray slightly sandy micaceous sh
3500												3510 3533 dominantly red sh 3533 3650 gray micaceous sh
3600												3650 3655 gray-buff dense to 3662 3668 gray fine to medium 3675 3685 gray fine to medium 3685 3695 gray micaceous sh 3695 3705 gray fine to medium 3705 3715 gray micaceous sh 3715 3742 gray fine to medium grain sub-angular micaceous sst
3700												3742 3750 gray micaceous sh 3750 3785 gray fine to medium grain sub-angular micaceous sst
3800												3785 3875 medium gray to dark gray sandy micaceous sh
3900												3875 3918 medium to dark gray sh
												3918 3930 black sh 3930 Kansas City
4000												3950 3970 cream-gray dense to fine min fossiliferous lst 3970 3987 cream-gray dense to fine min fossiliferous cherty 3987 3990 gray sh
												4012 4015 gray sh 4042 4045 gray & dark gray sh 4068 4070 gray & dark gray sh 4088 4090 gray & dark gray sh 4102 4105 gray sh
4100												4125 4129 gray sh 4143 4158 medium gray to dark gray sh 4158 4162 dirty gray-brown 4177 4185 buff dense lst 4192 4198 buff dense lst
4200												4227 4235 gray sh 4235 4252 cream-gray-buff dense to fine min fossiliferous 4252 4258 gray sh 4267 4275 dark gray sh 4275 4279 tan dense lst 4292 4298 red & gray sh
4300												4313 4322 red & gray sh 4322 4332 4332 4352 red & gray sh 4352 4362 4362 4370 red & gray sh 4370 4378 4378 4388 red & gray sh 4388 4391
4400												4405 4408 4426 4432 4442 4447 4452 4455
4500												4495 Mississippian 4505 4525 white medium to coarse min slightly cherty 4525 4570 gray-buff fine granular to medium min cherty dolomitic lst 4570 4620 dominantly white medium to coarse min chety lst
4600												4620 4670 white-gray-light buff fine granular to medium min cherty dolomitic lst
4700												4670 4820 gray-buff fine granular cherty siliceous dolomitic lst
4800												4820 Kinderhookian 4828 4830 green gray & 4840 4843 gray-buff dense lst
4900	Chattanooga Shale											4905 Chattanooga Shale
	Misener Sandstone	Viola Limestone										4929 Misener Sandstone 4947 4951 gray coarse min 4971 4979 green sub-waxy sh 4979 5001 white fine to coarse grain angular to sub-round frosted sst spots dead looking 5001 5009 green sub-waxy sh 5009 5030 white fine to coarse grain angular to sub-round 5030 5068 green sub-waxy sandy sh
5000												5068 5072 white-gray fine to 5082 5090 white-gray fine to 5090 5098 green sub-waxy sh 5098 5102 white-gray fine to 5113 5118 white-gray fine to
5100												5118 5188 white-gray fine to medium & some coarse min slightly sandy dolomite- oolitic chert - scattered

Primary Rock Lithology

Shale

Sand, Sandstone

Chert

Limestone

Dolomite

Secondary Rock Lithology

Micaceous

Sandy, sand

Cherty, chert

Pyritic, pyrite

oolitic

fossiliferous

Dolomitic

Phosphate, Phosphatic

Fossils

Fresh Water

Brackish Water

Marine

Few

Many

Broken

Macrofossils

Crinoids

Pollen and (or) spores

Porosity Type

Intercrystalline

Pinpoint