

Sandmann 1 (15-117-19010) T: 3S R: 9E S: 8
Latitude: 39.8002699 Longitude: -96.428834 Elevation (GL): 1280.0 Depth: 1477.0

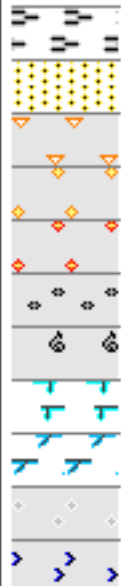
Depth	Stratigraphic Units						Rock Color	Lithology Rock Column	Grainsize						Fossils	Remarks
	Members	Formations	Subgroup	Group	Series	System			Very Fine	Very Fine	Medium	Coarse	Very Coarse	Ext. Coarse		
130																130 132 1st 140 150 buff to light brown 150 155 dark gray & dark sh 165 167 thin 1st 175 180 white gypsum 185 190 gray sh
230																210 212 gray sh 219 222 white gypsum 230 233 gray fossiliferous 1st 248 250 thin sst stringer 265 278 dark gray & red sh 278 280 thin fossiliferous 1st 287 290 dark gray & red sh 295 297 thin fossiliferous 1st 303 305 thin fossiliferous 1st 313 315 thin fossiliferous 1st
330																330 333 brown very dense fine 347 357 varicolored sh 357 360 thin 1st 367 372 gray very calc sst 377 388 dark gray sh 388 390 black sh 397 405 gray very calc sst 405 413 dark gray & black sh 413 415 fossiliferous 1st 423 447 buff dense fossiliferous 1st in sucrosic to flaky 1st w/ large 447 450 fine grain siltstone 455 457 thin sst stringers
430																480 490 gray very calc sh 490 495 dark gray platy sh 500 503 dark gray sh 509 511 buff gray brown dense 517 522 light buff 525 520 gray sandy sh 535 540 buff dense & soft
530																553 555 brown dense fine xln 565 567 brown dense fine xln 575 583 dark gray very sandy 583 585 very fine grain shaly 593 595 very fine grain shaly
630																
730																712 725 buff to gray sucrosic 725 730 dark gray & black sh 733 742 gray green sh 742 750 buff & gray sucrosic 750 752 gray-green & black 760 761 varicolored sh 770 772 thin sst stringers 779 780 thin sst stringers 788 790 varicolored sh 803 808 varicolored sh 813 Oread Limestone
830	Oread Limestone															835 847 buff & gray flaky 847 850 black sh 855 868 red & gray sh 868 Toronto Limestone 876 888 red sh 888 890 pink tan dense fine
930	Toronto Limestone															922 Lansing 930 932 red & gray-green sh 945 951 varicolored pyritic sh 954 Kansas City 975 977 varicolored sh 992 1000 1st 1000 1005 varicolored sh
1030																1030 1045 gray dense fine xln chalky 1st 1045 1047 varicolored pyritic 1060 1075 interbedded dense fine xln & soft chalky 1st 1075 1077 red & gray-green sh 1083 1085 thin sst 1099 1105 varicolored sh 1117 1120 red & gray sh
1130																1163 Viola Limestone 1184 1194 pink coarse xln 1st 1194 Decarah 1205 1217 gray calc sh 1217 1220 shaly phosphatic
1230	Penn. Basal Congl.	Viola Limestone														1252 1256 fine xln dolo 1268 1273 gray dense 1st 1285 1290 gray calc sh 1299 1333 gray dense fine xln & soft flaky 1st
1330	Decarah															1345 1355 tan sucrosic dolo 1355 1368 coarse grain loose 1368 1391 interbedded varicolored sh sst hematite pellets 1391 1440 ash gray granite light feldspar quartz Biotite hornblende or augite
1430																

Primary Rock Lithology



Shale
Silt, Siltstone
Sand, Sandstone
Chert
Limestone
Dolomite
Gypsum
Granite

Secondary Rock Lithology



Shaly, shale
Sandy, sand
Cherty, chert
Pyritic, pyrite
Hematitic, hematite
oolitic
fossiliferous
Calcareous
Dolomitic
Phosphate, Phosphatic
Gypsiferous, gypsum

Fossils

Fresh Water
Brackish Water
Marine

(b) Few
Many
Broken

Macrofossils

Larger Foraminifera, or fusulinids