

Wyandot County
Antrim Township
Section 17 (NE $\frac{1}{4}$)

Floto-Brasel
No. 1 Abnett
Permit No. 165
Sample No. 1149
Elevation (DF) 901 feet

Bedrock at 74 feet in Salina

Depth (ft)	
0 - 77	Overburden
77 - 84	Limestone (secondary)
84 - 119	As above. Shale, light-green, dolomitic, trace. Dolomite, light-brown, microcrystalline, laminated, trace
119 - 133	Limestone as above, 70%. Dolomite, light-brown, microcrystalline, 30%
133 - 158	Dolomite, light-brown, microcrystalline, 60%. Limestone, secondary, containing few angular clasts of laminated dolomite, 40%
158 - 166	Dolomite, very light- and light-brown, microcrystalline, faintly laminated, poor pinpoint porosity (dissolved gypsum blades), 80%. Limestone, secondary, 20%
166 - 174	Dolomite, very light-brown, microcrystalline; good vuggy porosity (no permeability). Limestone as above, trace
174 - 184	Dolomite as above. Dolomite, medium-brown, slightly grayish, microcrystalline, laminated
184 - 189	As above, very light-brown dolomite has brown anhydrite crystals
189 - 198	Dolomite, medium-brown, slightly grayish as above
198 - 212	Dolomite, light-brown (predominantly) and medium-brown to grayish-brown, microcrystalline. Limestone, secondary trace
212 - 226	Dolomite, light- and medium-brown, slightly grayish, microcrystalline, slightly laminated
226 - 247	Dolomite, light-brown, very slightly grayish, microcrystalline, partings black and dark-brown, shaly, trace

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- 247 - 329 Dolomite, light- and medium-brown- to brownish-gray- to grayish-brown, microcrystalline; partings as above, trace. TYMOCHTEE FORMATION at 247 feet
(very gradational top)
- 329 - 335 Dolomite, light- and medium-brown, slightly grayish, microcrystalline, gypsiferous, 80%; gypsum, 20%
evaporite bed
- 335 - 343 Dolomite, light- and medium-brown, grayish-brown in small part, microcrystalline, laminated in part, slightly gypsiferous.
GREENFIELD FORMATION at 338 feet?
- 343 - 360 Dolomite, very light-brown to light-yellowish-brown, microcrystalline; carbonaceous partings; cavings; gypsum, trace from 355 feet to 360 feet
- 360 - 369 (rusty sample) Dolomite, very light-brownish-gray, microcrystalline (recrystallized), perhaps anhydritic, very gypsiferous
- 369 - 374 As above; 30% of samples is gypsum
evaporite bed
- 374 - 379 Dolomite, very light-gray, very light- and light-brownish-gray, microcrystalline and very finely crystalline (recrystallized?), very gypsiferous, gypsum, 30%
- 379 - 388 Dolomite, light-brown to grayish-brown, light-gray, microcrystalline, with laminated gypsum to 383 feet; gypsum (nodular?), trace from 383 feet to 388 feet
- 388 - 393 Dolomite, light-brown, microcrystalline and very finely crystalline (recrystallized). Dolomite, very light- and light-gray, microcrystalline to coarsely crystalline (recrystallized), vuggy (vugs filled with gypsum). Shale, light-greenish-gray, trace.
LOCKPORT at 390 feet (GRN)

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- 393 - 415 Dolomite, gray as above; gypsum, trace to 410 feet
- 415 - 425 Dolomite, very light- and light-gray, predominantly microcrystalline (recrystallized); fair vuggy porosity
- 425 - 435 Dolomite, very light-gray, microcrystalline to coarsely crystalline (recrystallized); excellent vuggy porosity (vugs filled with gypsum)
- 435 - 450 Dolomite, very light- and light-gray, predominantly microcrystalline; fair vuggy porosity to 439 feet; gypsum, trace
- 450 - 466 Dolomite, very light-gray, microcrystalline and very finely crystalline (recrystallized); excellent vuggy porosity
- 446 - 482 Dolomite, very light- and light-gray, microcrystalline to medium crystalline (recrystallized) slightly pyritic; excellent vuggy porosity; gypsum, trace (vug-filling)
- 482 - 489 Dolomite, very light-brown, microcrystalline. Chert, very light-gray, brownish-gray, heavy trace. GOAT ISLAND at 474 feet (GRN)
- 489 - 496 Dolomite as above. Chert as above, heavy trace. Dolomite, light-brownish-gray- to medium-gray, microcrystalline to coarsely crystalline (recrystallized), fossiliferous or fragmental; gypsum, trace (vug-filling). GASPORT FORMATION at 491 feet (GRN)
- 496 - 502 Dolomite, very light-brownish-gray, light- and medium-gray, microcrystalline to medium crystalline (recrystallized); gypsum as above, trace
- 502 - 508 Dolomite as above, medium- and dark-gray in part; gypsum as above, trace
- 508 - 513 Dolomite as above, very light-brownish-gray- and light-gray
- 513 - 518 Dolomite, light- and medium-gray, mottled in part, light-greenish-gray, microcrystalline, argillaceous in part. ROCHESTER FORMATION at 508 feet (GRN)
- 518 - 523 Dolomite as above. Dolomite, light-brown, microcrystalline. DAYTON FORMATION at 520 feet (GRN)

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- 523 - 527 Dolomite, very light-brown, yellowish-brown, light-brown, micro-crystalline to medium crystalline (recrystallized), slightly glauconitic, slightly pyritic
- 527 - 542 Dolomite, very light-brownish-gray, mottled pink, light-greenish-gray, light-gray, microcrystalline to coarsely crystalline, fossiliferous or fragmental, pyritic
- 542 - 546 Dolomite as above, heavy trace. Dolomite, light-gray to brownish-gray, microcrystalline, fine- to coarse-grained?. CABOT HEAD FORMATION at 540 feet (GRN)
- 546 - 549 As above. Shale, light-green, poorly indurated, heavy trace
- 549 - 565 Shale as above (dirty samples)
- 565 - 570 Dolomite, light- and medium-gray, brownish-gray, microcrystalline (recrystallized). Shale as above (dirty samples)
- 570 - 586 As above. Dolomite is coarse-grained. Dirty samples below 549 feet BRASSFIELD FORMATION at 614 feet (GRN)
ORDOVICIAN at 650 feet (GRN)

By - A. Janssens

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