

Fred H. Cheatwood

U.F.G. Well #6913

Mercer County - 2, Plymouth District

Elev: ~~2481'~~

0.82 S. 37°25' ; 1.17 W. 81°00'

0 - 15	Soil
15 - 20	50% silt. st., red & green, 50% shale, red.
20 - 25	100% sh., red, silty.
25 - 35	100% sh., red silty & red Argillaceous
35 - 44	100% silt. st., red, shly., slightly micaceous
44 - 50	100% silt. st., red shly, - some red sh.
50 - 54	100% silt. st., red shly, - some red sh.
54 - 59	" " " " " " " " & green sh.
59 - 63	" " " " " " " " " "
63 - 68	" " " " " " " " " "
68 - 73	60% silt. st., red & green, 40% sh., red & green.
73 - 78	" " " " " " " " " "
78 - 83	70% sh., red & green, 30% silt. st., red.
83 - 88	60% sh., red & green, 40% silt. st., red & lt. green.
88 - 96	100% sh., lt. green, red, dk. gy. to nearly blk.
96 - 105	100% sh., red slightly micaceous
105 - 114	100% " " " " "
114 - 123	100% " " " " "
123 - 129	100% " " " " little green sh.
129 - 136	100% " " " " "
136 - 141	100% silt. st., red shly.
141 - 147	" " " " " "
153 - 160	" " " " " micaceous
160 - 170	50% silt. st., red, shly, 50% sh., red & green pyritic
170 - 179	100% sh., red, green & gy.
179 - 188	100 % sh., red, green &
188 - 194	100% sh., lt green, gy, blk, pyritic
194 - 199	30% silt. st., red lt. green, 70% sh., red & green.

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199 - 204 60% slt. st., red, mica., 40% sh., red & lt. green  
204 - 213 100% sh., red & lt. green.  
213 - 220 100% sh., red.  
220 - 227 60% slt. st., red & lt. green, 40% sh., red & green  
227 - 234 " " " " " " " " " "  
234 - 242 20% lm., lt. gy., fossiliferous, 80% sh., red & green, little red slt. st.  
242 - 250 20% lm., lt. " " " " " " " " " "  
red slt. st.  
250 - 256 100% sh., red & green, mica. & slightly silty.  
256 - 262 " " " " " " " " pyritic  
262 - 266 100% sand, lt. green, silty, dirty.  
266 - 270 100% " " " " " "  
270 - 275 90% " " " " " " 10% sh., dk. gy. to nearly blk.  
275 - 281 90% " " " " " " 10% " " " " / " blk, & red.  
281 - 288 100% sh., lt. green, dk. bro. & gy., silty, micaceous  
288 - 295 70% sh., med. gy., 30% slt. st., lt. gy. & green.  
295 - 302 60% sh., med. gy., 40% slt. st., lt. gy. & green.  
302 - 308 100% sh., med. gy., silty.  
308 - 313 50% sh., med. gy., 50% slt. st., lt. gy.  
313 - 319 60% sh., red, green & gy., lay., 40% slt. st., lt. green & gy.  
319 - 327  
327 - 334 90% sd., lt. green, silty, dirty, 10% lt. to dk. gy. to blk.  
334 - 341 80% sh., red, green & gy., slightly mica., lay., 20% slt. st. lt. green  
341 - 350 100% sh., red, green & gy. lay.  
350 - 358 100% sh., red, green & gy. lay., a little red slt. st.  
358 - 365 100% sh., dk. gy. lt. green, little red, lay.

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365 - 372	100% sh., red, micaceous
372 - 379	100% sh., red, lt. green, silty, mica.
379 - 385	100% sh., red, lt. green, silty.
385 - 390	100% sh., red, lt. green, silty, pyritic

COPY

390 - 396	100% sh., red & green, micaceous, silty.
396 - 402	" " " " " " " "
401 - 411	60% " " " " " " " , 40% silt. st., lt. gr.
411 - 416	" " " " " " " " " " " "
416 - 426	100% sh., lt. green, dk. gy. to nearly blk., pyritic, fossil.
426 - 431	85% sh., lt. green, red, silty, 15% silt. st., lt. green
431 - 436	" " " " " " " " " " " "
436 - 442	100% sh., red & lt. green.
442 - 447	100% sh., red & lt. green
447 - 453	100% sh., red & lt. green
447 - 461	" " " " " "
461 - 467	50% sh., lt. green, gy. & red, 50% silt. st., lt. green
467 - 476	30% sh., lt. green, gy. & red, 70% silt. st., lt. green
476 - 485	85% sh., red, lt. green, silty, mica., 15% silt. st., lt. green
485 - 493	100% sh., red, lt. green, silty & argillaceous, mica.
493 - 501	90% sh., red, lt. green, silty & argillaceous, mica., 10% silt. st., lt. green.
501 - 507	100% sh., red, lt. green, silty & argillaceous, mica
507 - 513	100% " " " " " " " "
513 - 519	100% sh., gy., lt. green & red, argillaceous.
519 - 528	75% sh., med. gy., lt. green & red, pyritic 25% silt. st., lt. green,
528 - 536	100% sh., red & lt. green, silty argillaceous mica.
536 - 544	" " " " " " " " " "
544 - 553	" " " " " " " " " & fossil.
553 - 561	" " " " " " " " " "
561 - 570	60% sh., gy., lt. green & red, 20% silt. st., lt. green 20% ls., dk., gy., fossiliferous
570 - 576	60% sh., gy., lt. green & red, 25% silt. " " " 15% ls., dk. gy., fossiliferous.

COPY

- 576 - 581 50% sd., fine ang., 50% sh., med. to dk. gy., silty, pyrite
- 581 - 586 50% sd. & alt. st., very fine, ang., pyritic, 50% sh., med. to dk. gy., pyritic.
- 586 - 591 40% slt. st., lt. gy., 60% sh., med. to dk. gy., pyritic.
- 591 - 598 20% " " " " 80% " " " " " "
- 598 - 602 90% slt. st., t. gy. & lt. green, 10% sh., lt. to dk. gy., silty.
- p-Avis Line 602 - 610 40% lm., lt. gy. & tan, slightly sdy., pyritic & fossil.  
60% sh., lt. green, gy. & tan.
- 610 - 617 90% lm. gy. & tan, argillaceous, dolomitic, shly, 10% sh., med. gy., silty
- 617 - 626 40% lm., gy. & tan, argillaceous, shly., 60% sh., lt. green gy. & med. gy.
- 626 - 632 80% lm., gy, tan, blk., fossiliferous, pyritic, 20% sh., gy. & lt. green.
- 632 - 639 80% lm., gy. & tan, fossil., pyritic, 20% sh., gy. & lt. green
- 639 - 644 80% " " " " " " " " " " " "
- 644 - 650 80% " " " " " " " " " " " "
- 650 - 655 40% lm., tan, bro. to blk., fossil. 60% sh., lt. green, red, lt. to med. gy., somewhat silty.
- 655 - 660 80% sh., red, lt. green silty & slightly Mica., 20% slt. st. lt. green.
- 660 - 665 70% sh., red lt. green, silty & slightly Mica., 30% slt. st. lt. green, silty.
- 674 - 683 100% sh., red & lt. green.
- 683 - 693 60% lm., tan gy., argillaceous, 40% sh., gy. & lt. green.
- 693 - 700 30% lm., tan, gy., lt. green, argill., shly, 70% sh., lt. gy. & lt. green, lmy.
- 700 - 706 30% lm., lt. gy. & tan, argillaceous, 70% sh., gy., tan, bro., lmy., silty.
- 706 - 711 10% lm., lt., gy. & tan, argill., 90% sh., gy., tan, bro., lmy., silty.
- 711 - 716 100% sh., gy. & tan, lmy., Pyritic, a little calc. & argill. lm.
- 716 - 721 100% sh., lt., med., dk. gy., silty.

COPY

721 - 728 100% sh., lt., med. dk. gy., silty.

728 - 735 60% sh., lt. med. dk. gy., silty, fossil., 40% silt. st., lt. gy., pyritic.

735 - 743 100% sh. med. to dk. gy., pyritic

743 - 751 70% sh., lt. to med. gy., pyritic, silty, 30% lm., tan & bro.

751 - 760 100% sd., very fine, angular

760 - 769 60% sh., med. gy., silty, pyritic, 40% silt. st., lt. to med. gy.

769 - 774 50% sd., gy. & wht., very fine angular, quartzitic, 30% silt. st., lt. to med. gy. 20% sh., lt., med. dk. gy.

774 - 781 70% silt. st., lt. to med. gy., 30% sh., tan & gy., silty., micaceous.

781 - 792 90% lm., dk. gy. to nearly blk., fossil., pyritic, 10% sh., lt. to med. gy.

792 - 802 40% lm., dk. gy., bro., pyritic, fossil., 60% sh., lt. to med. gy.

Top-Ravencliff 802 - 809 70% sd., fine to med., ang. 30% sh., lt., med. dk. gy. to nearly blk.

809 - 815 100% sd., gy. to wht., fine, quartzitic, ang.

815 - 822 70% sd., very fine, ang., silty, 30% sh., gy. tan & bro., pyritic.

822 - 827 90% sh., med. gy. to dk. gy. & blk., lay., pyritic, 10% silt. st., lt. gy.

827 - 835 100% sh., lt. gy. & lt. green, pyritic.

835 - 840 30% lm., gy. & tan, 50% sh., lt. to med. gy. & tan, 20% sd., very fine gr., angular

840 - 848 100% sd., very fine, angular lay.

848 - 852 90% sd., " " " " 10% sh., lt. green & gy.

852 - 858 100% sh., red & green, argillaceous

858 - 863 80% sh., red & green, lt. gy., 20% silt. st., lt. green.

863 - 868 " " " " " " to blk., pyritic, 20% silt. st., lt. green & lt. gy.

868 - 875 100% sh., red, green & gy. silty, alciensides.

875 - 881 100% sh., red & green, argill.

881 - 888 " " " " " & gy., argill. & silty.



COPY

1045 - 1049	100% sd., fine, ang.
1049 - 1055	60% sd., fine, ang. 40% sh., red, lt. green, & gy.
1055 - 1065	100% sh., red, lt. green & gy.
1065 - 1074	60% sh., lt. gy. & lt. green, 40% slt. st., lt. gy. & lt. gr.
1074 - 1086	70% sh., lt. gy. & lt. green, fossil., 30% slt. st., lt. gy. & green.
1086 - 1093	60% sh., lt. gy. & lt. green, silty, pyritic 25% slt. st., lt. gy. & lt. green, sdy., lmy., 15% lm., bro., fossil.
1093 - 1100	90% sh., lt. gy., green, pink, 10% slt. st., pink, lt. green.
1100 - 1108	100% sh., red, lt. green, slightly mica.
1108 - 1115	100% sh., red, lt. green
1115 - 1125	100% sh., lt. green, red, lt. gy.
1125 - 1132	100% sh., red, lt green, silty
1132 - 1140	" " " " " " argill.
1140 - 1146	100% sh., red & lt. green.
1146 - 1156	100% sh., lt. green, gy. & red.
1156 - 1163	90% sh., lt. gy. & green, 10% lm., tan, argill.
1163 - 1170	100% sh., lt. gy., green, red.
1170 - 1177	100% sh., lt. gy., green, red, pyritic
1177 - 1183	100% sh., lt. gy. & lt. green
1183 - 1191	" " " " " "
1191 - 1200	" " " " & tan.
1200 - 1208	100% sh., bro., tan, gy.
1208 - 1216	" " " " " lt. green.
1216 - 1224	100% sh., lt. gy., tan, lt. green
1224 - 1241	" " " " "
1231 - 1236	90% sh., lt. gy. & lt. green, 10% lm., tan & bro., argill.
1236 - 1245	" " " " & tan, " " " " "
1246 - 1254	90% sh., lt. to dk. gy. & bro., pyritic, 10% lm., bro., pyrit



COPY

1254 - 1257	85% sd., fine, ang., pyritic, 15% sh., lt. to med. gy.
1257 - 1270	100% sh., dk. gy. & bro., pyritic
1270 - 1281-	100% sh., dk. gy. & bro., pyritic
1281 - 1293	60% sh., gy. & bro., 40% slt. st., lt. gy.
1293 - 1306	100% sh., lt. to med. gy. & tan, somewhat silty.
1306 - 1317	100% sh., med. gy. & tan.
1317 - 1326	" " " " "
1326 - 1331	90% lm., dk. bro., slightly fossil., 10% sh., lt. to med. gy.
1331 - 1338	85% lm., dk. bro., fossil., 15% sh., lt. gy.
1338 - 1347	100% sh., red, lt. green, gy.
1347 - 1357	" " " " " "
1357 - 1368	90% sh., red, lt. green, gy., 10% slt. st., lt. gy. & green
1368 - 1378	90% sh., lt. to med. gy. & lt. green, 10% lm., lt. gy., argill.
1378 - 1380	70% sh., lt. to med., 30% slt. st., lt. gy. & tan, pyritic
1389 - 1397	90% sh., lt. to med. gy., 10% lm., tan
1397 - 1406	60% sh., lt. gy. & lt. green, 40% lm., bro.
1406 - 1415	70% sh., lt. gy. & lt. green, 30% lm., tan & bro.
1415 - 1424	100% sh., lt. gy. & tan.
1424 - 1429	90% slt. st., lt. green & lt. gy., sdy., 10% sh., tan & gy.
1429 - 1433	100% sd., very fine, ang. quartz., dirty, slightly mica.
1433 - 1440	100% sh., lt. gy.
1440 - 1447	70% sh., lt. gy. & lt. green, 30% lm., tan
1447 - 1457	70% sh., lt. gy & bro., 30% slt. st., lt. gy.
1457 - 1465	70% sh., lt. to med. gy., tan & bro., pyritic lay., 30% lm. gy. & bro., argill.
1465 - 1472	100% sh., gy. tan, bro. lay.
1472 - 1479	60% lm., dk. gy., bro., shly. fossiliferous carbonaceous, 40% sh., dk. gy. lay.
1479 - 1489	70% sh., dk. gy. & bro., lay. pyritic, 30% lm., dk. gy. & bro., carbonaceous.

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Top-Maxon

	1489 - 1499	100% sh., lt. gy. tan, bro., lmy., silty, pyritic.
	1499 - 1505 show-gas	80% slt. st., lt. gy., pyritic, 20% sh., lt. to dk. gy. to blk., pyritic
	1505 - 1509 Gas	80% slt. st., lt. " " " " " " to blk., pyritic
	1509 - 1513	90% sd., very fine, ang., 10% slt. st., lt. gy.
	1513 - 1518	100% sd., very fine, ang. & silty.
	1518 - 1525	100% sd., fine, ang., quartzitic, becoming cleaner
	1525 - 1535	100% sd., fine, ang. quartzitic, " "
	1535 - 1536	" " " " "
	1536 - 1539	" " " " "
	1539 - 1545	" " " " "
	1550 - 1556	100% sd., very fine ang.
	1556 - 1561	" " " " "
	1561 - 1566	" " " " "
	1566 - 1570	" " " " "
	1570 - 1574	" " " " "
	1574 - 1580	" " " " "
	1580 - 1585	" " " " "
	1585 - 1590	" " " " "
	1590 - 1600	" " " " " becoming shly. & silty.
	1600 - 1607	90% sd., fine, ang., quartzitic
	1607 - 1614	100% sd., fine, ang., quartzitic, becoming shly & silty.
	1614 - 1624	75% sd., fine, ang., quartz., 25% sh., lt. to med. gy.
	1624 - 1629	100% sd., ang., quartz.
	1629 - 1637	60% sd., " " 40% sh., lt. gy., & tan
	1637 - 1645	100% sh., lt. gy. & tan
	1645 - 1655	90% sh., lt. to med. gy. & tan, fossil., 10% lm., tan & bro.
	1655 - 1665	" " " " " " " " " " fossiliferous

1665 - 1673	100% sh., lt. to Med. gy., tan & bro.
1673 - 1681	" " " " " " " " , somewhat lmy.
1681 - 1694	" " " " " " " " " "
1694 - 1704	" " tan & bro.
1704 - 1718	" " gy. tan & bro. lmy.
1718 - 1729	70% sh., gy. & bro., 30% lm. tan & bro., fossiliferous
1729 - 1738	60% sh., tan & bro., 40% lm., bro., fossiliferous
1738 - 1749	70% sh., tan & lt. bro., lmy., pyritic, 30% lm., tan, fossil.
1749 - 1756	" " " " " " " " " "
1757 - 1765	" " " " " " " " " "
1765 - 1774	80% sh., lt. to med. gy. to tan, silty., lmy., 20% lm. tan, silty
1774 - 1779	100% sh., lt. gy. & tan, lmy.
Top-Hinton Sand 1779 - 1786	60% slt. st., lt. gy., 40% sh., lt. to med. gy.
1786 - 1794	40% slt. st., lt. gy., 60% sh., lt. to med. gy., slightly mica.
1794 - 1805	25% " " " " 75% sh., lt. gy., tan, lt. green, somewhat silty.
1808 - 1815	60% sh., lt. to med. gy., silty, mica., 40% slt. st., lt. gy.
1815 - 1819	80% sh., lt. gy. & tan lmy., 20% slt. st., lt. gy.

1819 - 1826	90% Lm., gy. to brown, Fossiliferous and somewhat Argillaceous. 10% Sh., gy. and lt. green.
1826 - 1835	100% Lm., gy. to brown, Fossiliferous.
1835 - 1841	100% Lm., brown, Fine Xtaln, sugary and slightly fossiliferous, Shly.
1841 - 1847	100% Lm., brown, Fine Xtaln, sugary, Shly., non-fossiliferous.
1847 - 1855	80% Lm., dk. gy. to dk. brown, fossiliferous. 20% Sh., lt. gy.
1855 - 1861	100% Lm., tan and brown, slightly fossiliferous and pyritic.
1861 - 1873	20% Lm., tan and brown, 80% Sh., lt. gy. silty and slightly Micaceous and Lay.
1873 - 1885	100% Sh., lt. gy., silty and slightly Micaceous and Lay.
1885 - 1898	" " " " " " " " " Lay. and fossiliferous.
1898 - 1910	85% Sh., lt. gy., silty and slightly Micaceous and Lay. and fossiliferous., 15% Lm., gy., tan and brown.
1910 - 1918	" " " " " " " " " " " " " " tan and brown fossil. and slightly pyritic.
1918 - 1926	85% Sh., lt. gy., fossiliferous, slightly silty and Micaceous., 15% Lm., tan and brown, fossil.
1926 - 1939	100% Sh., lt. gy. fossil.
1939 - 1947	100% Lm., tan and brown, fossil. and carbonaceous.
1947 - 1960	100% Sh., tan and lt. gy., pyritic, Lay. A little Calcite.
1960 - 1977	100% Sh., lt. gy. and tan, pyritic, Lay.
1977 - 1992	" " " " " " " " , somewhat silty.
1992 - 2002	" " " " " " " "
2002 - 2014	" " " " " " " "
2014 - 2028	" " " " " " " "

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CHARLESTON

COPY Location: 2480.77

- 2028 - 2044 100% Sh., lt. gy. and tan, pyritic, lmy.
- 2044 - 2059 " " " " " " " "
- 2059 - 2072 100% Sh., tan and lt. gy., slightly lmy.
- 2072 - 2082 100% Sh., tan, dk. brown and gy., lmy., pyritic.
- 2082 - 2089 70% Lm., lt. to med. gy. and tan, fossil. 30% Sh. lt. gy. and tan.
- 2089 - 2099 85% Lm., dk. gy. to brown, fossiliferous, and carbonaceous. 15% Sh., lt. to med. gy. and tan.
- 2099 - 2104 " " " " " " " "
- 2104 - 2109 100% Lm., lt. gy., tan and brown, silty, shly., slightly fossiliferous.
- 2109 - 2121 20% Lm., dk. brown. 80% Sh., lt. gy., lmy.
- 2121 - 2133 100% Sh., lt. to med. gy., lmy.
- 2133 - 2143 " " " " " " " "
- 2143 - 2152 Top of Big Lime. 100% Lm., lt. to med. gy., shly. and slightly fossil.
- 2152 - 2167 100% Lm., lt. to med. gy., shly. and slightly fossil.
- 2167 - 2179 " " " " " " " "
- 2179 - 2188 " " " " " " " coarse Italn.
- 2188 - 2198 " " " " " " " "
- 2198 - 2211 " " " " " " " "
- 2211 - 2221 " " " " " " " "
- 2221 - 2233 100% Lm., lt. gy., tan to brown, fossil. and carbonaceous, shly.
- 2233 - 2240 " " " " " " " " and somewhat shaly.
- 2240 - 2245 " " " " " " " "
- 2245 - 2254 100% Lm., lt. to med. gy. shly. (Mostly Cave)

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COPY Elevation: 2480.77

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2254 - 2261	100% lm., lt. to med. gy., shly., fine Xtaln.
2261 - 2273	100% " " " " " " " " and Fossiliferous.
2273 - 2279	100% lm., lt. gy. and tan, fossiliferous.
2279 - 2290	100% lm., lt. gy., silty, shly., fine Xtaln.

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COPY

2343 - 2348	100% lm., lt. to med. gy. & tan, fossiliferous.
2348 - 2358	100% lm. med. to dk. gy. & tan, shly. & fossiliferous.
2358 - 2364	" " " " " " " " " " "
2364 - 2369	" " " " " " " " " " "
2369 - 2374	100% lm., med. to dk. gy. tan & bro., fossil.
2374 - 2381	" " " " " " " " " "
2381 - 2387	" " " " " " " " " "
2387 - 2392	" " " " " " " " " shly.
2392 - 2398	" " " " " " " " " shly.
2398 - 2403	" " " " " " " " " "
2403 - 2410	" " " " " " " " " shly.
2410 - 2417	" " " " " " " " " "
2417 - 2426	" " " " " " " " " shly.
2426 - 2432	" " " " " " " " " "
2432 - 2440	" " " " " " " " " "
2440 - 2450	" " " " " " " " " shly & slightly pyritic.
2450 - 2458	" " " " " " " " " shly.
2458 - 2466	100% lm. med. to dk. gy. & bro. shly.
2466 - 2474	" " " " " " " " " "
2474 - 2481	" " " " " " " " " "
2481 - 2491	" " " " " " " " " fossil.
2491 - 2500	" " " " " " " " " "

COPY

2500 - 2505	80% sh., gy. tan & bro. lmy., 20% lm., lt. gy. & tan fossil.
2505 - 2514	100% lm. gy. & tan, shly.
2514 - 2521	" " " " " "
2521 - 2527	" " " " " somewhat silty
2527 - 2535	" " " " " "
2535 - 2541	100% lm. lt. to med. gy. & tan, fossiliferous
2541 - 2549	100% lm. mostly tan, fossiliferous, oolitic
2549 - 2558	" " " " " "
2558 - 2566	" " lt. gy. & tan, fossil. oolitic
2566 - 2574	" " " " " some lmy shale.
2574 - 2582	100% lm., lt. to dk. gy. to bro. fossil., shly.
2582 - 2589	" " " " " " " shly.
2589 - 2594	" " " " " " "
2594 - 2602	100% sh., lt. to med. gy., lmy., fossil.
2602 - 2608	80% lm., lt. to med. gy. tan & bro., fossil., 20% sh., lt. gy. & green
2608 - 2617	60% slt. st., lt. green, slightly lmy., 40% sh., lt. gy. & lt. green.
2617 - 2625	70% slt. st., " " " " 30% " lt. green & tan lmy.
2625 - 2632	90% lm., mostly tan, fossil., oolitic, 10% sh., lt. green & slt. st., lt. green.
2632 - 2638	100% lm., lt. gy. & tan, fossil., oolitic.
2638 - 2644	" " " " " shly. & silty.
2644 - 2654	80% lm. lt. gy. & tan, fossil., 20% slt. st., sdy.
2654 - 2661	100% lm., tan, slightly fossil.
2661 - 2666	100% lm., lt. to med. gy. & tan.
2666 - 2672	" " gy. tan & bro.
2672 - 2681	" " med. to dk. gy. & tan shly.
2681 - 2688	100% lm., lt. to med. gy. & tan shly.



COPY

2688 - 2698	100% lm., lt. to med. gy. & tan shly.
2698 - 2706	" " " " " " " " "
2706 - 2714	" " " " " " " " "
2714 - 2723	" " " " " " " " "
2723 - 2733	" " " " " " " " "
2733 - 2740	100% lm., med. to dk. gy., shly.
2740 - 2750	" " " " " " & bro. shly.
2750 - 2760	" " " gy. & tan shly., slightly pyritic.
2760 - 2768	100% sh., med. to dk. gy. lmy.
2768 - 2776	100% lm. " " " " & tan shly.
2776 - 2786	100% sh., lt. gy. & tan lmy.
2786 - 2793	" " " " " " "
2793 - 2800	" " " " fossiliferous lmy.
2800 - 2808	80% lm. tan & gy. fossiliferous 20% sh., lt. to med. gy. lmy.
2808 - 2820	85% sh., lt. green & gy. lmy., 15% lm. tan, fossil.
2820 - 2829	60% " " " " " " 40% " " "
2829 - 2838	100% lm., lt. gy. & tan, slightly fossil.

COPY

2853 - 2862	50% lm., tan, fossil., 50% silt. st., lt. green, lmy.
2862 - 2869	100% lm., lt. gy. & tan, fossil.
2869 - 2878	" " " " " " "
2878 - 2888	100% sh., lt. green, silty, lmy.
2888 - 2897	80% silt. st., lt. green, shly. lmy. 20% lm., tan, fossil., Colitic & spnereulitic.
2897 - 2904	100% lm., med. to dk. gy. & tan, fossil.
2904 - 2912	100% lm., lt. to med. gy. & tan, fossil, colitic & spnereulitic
2912 - 2922	100% silt st., lt. green & pink, lmy.
2922 - 2934	60% silt. st., lt. green, 40% lm., tan, fossil.
2934 - 2942	100% lm., mostly tan & bro. cherty
2942 - 2950	" " " " " " "
2950 - 2954	" " " " " " "
2954 - 2961	" " " " " " fossiliferous
2961 - 2969	100% lm. t. to med. gy. tan & bro., fossil, somewhat shly.
2969 - 2974	100% lm., lt. gy. & tan, cherty, fossil.
2974 - 2980	" " " " " " " & silty.
2980 - 2986	" " " " " " " & shly.
2986 - 2995	" " " " " " " " "
2995 - 3005	100% sh., mostly med. gy., lmy., pyritic
3005 - 3012	" " " " " " "
3012 - 3020	80% " " " " " " 20% lm., tan, fossil.
3020 - 3032	60% " " " " " " 40% " " "
3032 - 3039	60% " " " " " " 40% " " "
3039 - 3048	100% lm., tan & lt. gy., fossil.
3048 - 3053	" " " " " " "

COPY

3048 - 3058	100% lm., tan & bro., argillaceous & somewhat dolb.
3058 - 3069	100% lm., tan & dk. bro.
3069 - 3079	" " " " " " & gy., fossiliferous
3079 - 3088	100% sh., lt. green, lmy.
3088 - 3095	100% lm., lt. gy. & tan.
3095 - 3107	40% sh., lt. green, lmy., 60% lm., tan & bro., fossil.
3107 - 3121	100% sh., lt. green, lmy.
3121 - 3131	100% lm., tan & bro., fossil.
3131 - 3140	100% lm., dk. gy. shly. & tan fossiliferous.
3140 - 3151	100% sh., dk. gy. lmy.
3151 - 3162	100% silt. st., lt. green, lmy.
3162 - 3171	" " " " " "
3171 - 3180	100% lm., med. to dk. gy. Tan & bro., fossil., shly.
3180 - 3190	100% lm., mostly tan, fossil.
3190 - 3200	100% lm., lt. gy., tan & bro., oolitic, fossil. & somewhat shly.
3200 - 3209	100% lm., lt. gy. & tan, oolitic, fossil.
3209 - 3218	100% lm., lt. gy. & tan, cherty.
3218 - 3226	100% lm., lt. gy. & tan cherty.
3226 - 3234	100% lm., med. to dk. gy., tan & bro., cherty.
3234 - 3240	100% lm., med. to dk. gy., tan & bro., shly.
3240 - 3247	100% lm., med. to dk. gy., tan & bro., shly.
3247 - 3255	100% lm., med. to dk. gy., tan & bro., fossil., shly.
3255 - 3261	75% lm., lt. to med. gy. tan & bro., pyritic shly, 25% sh., lt. green & gy., shly.
3261 - 3270	100% lm., lt. to dk. gy. to nearly blk. very shly & slightly cherty & fossil.
3270 - 3275	100% lm., lt. to med. to dk. gy., tan & bro., shly & fossil.
3275 - 3282	100% lm., mostly tan & bro., tightly oolitic & fossil. & somewhat shly.
3283 - 3289	100% lm., mostly tan & bro., tightly oolitic & fossil.

COPY

3289 - 3294	100% lm., mostly tan & bro.
3294 - 3302	100% lm., lt. gy. & tan, cherty & slightly fossil.
3302 - 3312	100% sh., pk. gy. to blk., very lmy. & slightly pyritic.
3312 - 3315	85% sh., dk. gy. to blk., very lmy., 15% lm. lt. gy. & tan.
3315 - 3321	100% lm., lt. gy. & tan, fossil.
3321 - 3327	100% lm., mostly, tan slightly dolomitic
3327 - 3336	100% lm., tan dk. bro. to blk., shly.
3336 - 3345	60% lm., dk. bro. to nearly blk. shly, 40% sh., lt. to med. gy. pyritic.
3345 - 3355	100% lm., tan, dk. bro., to blk. shly, & lmy. sh., pyritic.
3355 - 3366	" " " " " " " " " " " "
3366 - 3373	100% lm., lt. to dk. gy. to nearly blk., shly, Pyritic & slightly fossiliferous.
3373 - 3383	100% sh., lt. to med. gy.
3385 - 3392	100% lm. med. to dk. gy., shly, fossil. & very slightly cherty.
3392 - 3402	100% lm., med. to dk. gy. & bro., shly fossil.
3402 - 3411	100% lm., mostly tan, shly, pyritic & fossil.
3411 - 3420	100% lm., dolo. & gypsum, lt. to med. gy. tan & bro., fossil. & pyritic.
3420 - 3428	100% lm., mostly tan fine xtaln
3428 - 3436	75% sh., lt. gy., somewhat silty & sdy., 25% lm., tan
3436 - 3449	90 % sh., lt. gy., lmy., 10% dolo. lt. gy., & wht.
3449 - 3460	50% sh., lt. gy., lmy., 50% lm., mostly tan, pyritic
3460 - 3471	85% dolo., lt. gy. & tan, amorphous & xtaln Pyritic, 15% gypsum
op-McCreedy 3471 - 3481	80% dolo., lt. gy. to nearly wht., a little gypsum, 20% sh., rd.
3481 - 3489	90% sh., lt. gy., tan & red., 10% dolo., lt. gy.
3489 - 3502	100% sh., lt. to med. gy.
3502 - 3513	100% sh., red, lt. gy. & lt. green, somewhat sdy. & silty.

	3513 - 3524	100% sh., red, lt. gy. & lt. green, somewhat sdy. & silty. pyrite, xtals.
	3524 - 3535	100% sh., red, lt. green & gy., gypsum, lt. green, wht. & pi
	3535 - 3548	100% sh., red & lt. green.
	3548 - 3568	" " " " " "
Top-Injun	3560 - 3568	70% sh., red & lt. green, 30% slt. st., red, shly.
	3568 - 3575	100% slt. st., red, shly, micaceous
	3575 - 3584	80% Dolomite, lt. gy., tan & pink, 20% slt. st., lt. gy., lt. green & pink, pyrite xtals.
	3584 - 3593	100% sh., lt. to med. gy., lay. pyrite
	3593 - 3602	" " " " " " " "
	3602 - 3612	100% sh., tan & lt. med. to dk. gy. & blk., sh., pyritic.
	3612 - 3636	100% sh., lt. to med. gy., silty.
	3636 - 3642	100% sh., lt. to med. gy., silty black
	3642 - 3652	60% slt. st., lt. to med. gy., 40% sh., lt. to dk. gy. & nearly blk. silty.
	3652 - 3661	90% sd., silty & dirty Mica., few coarse sd. grains, 10% sh., lt. to med. gy. silty.
	3661 - 3670	100% sh., fine, ang., dirty, silty & mica., Pyritic
	3670 - 3677	90% sd., fine, ang., dirty, silty & Mica., 10% sh., dk. gy. silty Mica.
	3677 - 3682	100% sh., med. to dk. gy., silty & sdy, mica. & pyritic.
	3682 - 3687	" " " " " " " " " " " "
	3687 - 3699	" " " " " " " " " " " "
	3699 - 3708	" " " " " " " " " " " "
	3708 - 3719	100% sd., lt. gy., silty, very fine ang.
	3719 - 3730	" " " " " " " " " " " "
	3730 - 3743	100% sh., lt., med., dk., gy., somewhat silty.
	3743 - 3754	" " " " " " " " " " " "
	3754 - 3763	70% sh., lt. med., dk. gy., somewhat silty, 30% slt. st., 1 to med. gy.

COPY

3763 - 3772	90% slt. st., lt. to med., gy, shly., 10% sh., med. gy., tan & bro.
3772 - 3780	100% slt. st., lt. to med. gy., sdy., Mica.
3780 - 3789	70% slt. st., lt. to med. gy., sdy., 30% sd., med. to dk. gy. pyrite
3789 - 3796	70% slt. " " " " " " " " " " " "
3796 - 3805	60% " " " " " " " " " " " "
3805 - 3818	40% slt. st., lt. gy. sdy., 60% sh., med. to dk. gy.
3818 - 3828	50% " " " " " 50% " " " " " "
3828 - 3839	80% slt. st., lt. to med. gy., shly, 20% sh., med. to dk. gy.
3839 - 3850	25% slt. st., lt. to med. gy., 75% sh., med. to dk. gy., pyrit
3850 - 3864	40% slt. st., lt. gy., 60% sh., med. to dk. gy.
3864 - 3872	70% " " " " 30% " " " " " "
3872 - 3878	100% slt. st., lt. to med. gy.
3878 - 3885	90% slt. st., lt. to med. gy., 10% sh., med. to dk. gy.
3885 - 3897	60% " " " " " " 40% " " " " " "
3897 - 3906	30% " " " " " " 70% " " " " " "
3906 - 3918	60% " " " " " " 40% " " " " " " silty.
3918 - 3923	75% " " " " " " 25% " " " " " "
3926 - 3931	90% " " " " " " 10% " " " " " "
3931 - 3934	100% slt. st., lt. gy. & lt. green
3934 - 3939	" " " " " " " " " "
3939 - 3945	85% slt. st., lt. gy., 15% sh., med. to dk. gy.
3945 - 3952	90% " " " " 10% " " " " " "
3952 - 3956	100% sd., very fine, gy., silty, ang.
Base-Weir 3956 - 3959	100% slt. st., sdy. med. gy.
3959 - 3967	70% slt. st., med. gy., 30% sh., med. gy.
3967 - 3976	60% " " " " 40% " " " " " "
3985 - 3995	75% " " " " 25% " " " " " "
3995 - 4003	65% slt. st., lt. gy., dirty, few coarse qtz. grains, 35% sh., med. to fairly dk. gy.

COPY

- 3976 - 3985 70% silt. st., lt. gy., 30% sh., lt. gy., slightly tan, silty.
- 3985 - 3995 60% silt. st., lt. gy., 40% sh., lt. to med. gy.
- 3975 - 4003 60% silt. st., lt. gy., 40% sh., lt. to med. gy.
- 4003 - 4012 60% sd., fine, med. to coarse, ang., 40% sh., & silt. st., lt. to med. gy., pyritic.
- 4012 - 4016 100% sd., med. to coarse, ang. & sub-rd.
- 4016 - 4023 30% sd., med. to coarse, ang. & sub-rd., 70% silt. st., sdy. shly, micaceous.
- 4023 - 4034 10% sd., sd., med. to coarse, ang. & sub-rd., 10% sh., med. to dk. gy., 80% silt. st., lt. gy., sdy., micaceous.
- 4034 - 4047 30% sh., med. gy. & little tan, 70% silt. st., lt. gy. sdy.
- 4047 - 4063 100% sh., med. gy. & little bro., slightly pyritic.
- 4063 - 4073 100% sh., med. gy. & little tan.
- 4073 - 4083 90% sh., med. gy. & little tan, 10% silt. st., lt. gy.
- 4083 - 4091 80% sh., med. gy. & little tan, 20% silt. st., lt. gy.
- 4091 - 4100 100% sh., med. gy. & tan.
- 4100 - 4114 90% sh., med. to dk. gy., 10% silt. st., lt. gy.
- 4114 - 4128 70% sh., med. gy. to dk. gy., 30% silt. st., lt. gy.
- 4128 - 4146 90% sh., med. gy., 10% silt. st., lt. gy.
- 4146 - 4160 90% sh., med., gy. & tan., 10% silt. st., lt. gy.
- 4160 - 4176 90% sh., med. gy., 10% silt. st., lt. gy.
- 4176 - 4187 60% sh., med. gy., 40% silt. st., lt. gy.
- 4187 - 4198 80% sh., med. gy., 20% silt. st., lt. gy.
- 4198 - 4213 " " " " " " " " "
- 4213 - 4224 75% " " " 25% " " " "
- 4224 - 4236 80% silt. st., lt. gy., 20% sh., lt. to med. gy.
- 4236 - 4253 60% silt. st., lt. gy., 40% sh., lt. to med. gy., slightly pyritic.
- 4253 - 4260 30% silt. st., lt. gy., 70% sh., med. gy., somewhat silty slightly pyritic.
- 4260 - 4275 10% silt. st., lt. gy., 90% sh., lt. to med. gy., somewhat silty.

#6913

Mercer County

CHARLESTON

COPY

4275 - 4286

20% alt. st., lt. gy., 80% sh., lt. to med. gy. & little bro.

4286 - 4300

20% alt. st., lt. gy., 80% sh., lt. to med. gy. & little bro.

4300 - 4315

30% alt. st., lt. gy., 70% sh., lt. med., dk. gy.

4315 - 4319

60% alt. st., lt. gy., 40% sh., lt. med., dk. gy.