

AMERINE 1 (15-073-00315) T: 27S R: 9E S: 14  
Latitude: 37.7075929 Longitude: -96.3805845 Elevation (GL): 1180.0 Depth: 2630.0

| Depth | Stratigraphic Units |                   |          |       |        |           |                                | Rock Color | Lithology<br>Rock Column | Grainsize |      |        |        |             |              | Fossils | Remarks                                                                                                                                                                                                                                                                                                                                        |
|-------|---------------------|-------------------|----------|-------|--------|-----------|--------------------------------|------------|--------------------------|-----------|------|--------|--------|-------------|--------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | Members             | Formations        | Subgroup | Stage | Series | Subsystem | System                         |            |                          | Very Fine | Fine | Medium | Coarse | Very Coarse | Extra Coarse |         |                                                                                                                                                                                                                                                                                                                                                |
| 2215  |                     |                   |          |       |        |           |                                |            |                          |           |      |        |        |             |              |         | 2215 2226 gray & brown micaceous slightly sandy sh<br>2226 Mississippian<br>2232 2310 buff to brown fine granular siliceous dolomitic marl & impure lst                                                                                                                                                                                        |
| 2265  |                     |                   |          |       |        |           |                                |            |                          |           |      |        |        |             |              |         |                                                                                                                                                                                                                                                                                                                                                |
| 2315  |                     |                   |          |       |        |           |                                |            |                          |           |      |        |        |             |              |         | 2310 2335 gray-buff fine granular impure siliceous dolomitic lst<br>2335 2345 gray-buff fine granular impure siliceous<br>2345 2355 buff to brown fine granular siliceous dolomitic<br>2355 2360 gray fine xln lst<br>2360 2370 buff to brown fine granular siliceous dolomitic<br>2370 2445 buff fine granular profusely cherty dolomitic lst |
| 2365  |                     |                   |          |       |        |           | Carboniferous<br>Mississippian |            |                          |           |      |        |        |             |              |         |                                                                                                                                                                                                                                                                                                                                                |
| 2415  |                     |                   |          |       |        |           | Paleozoic                      |            |                          |           |      |        |        |             |              |         |                                                                                                                                                                                                                                                                                                                                                |
| 2465  |                     |                   |          |       |        |           |                                |            |                          |           |      |        |        |             |              |         | 2445 2470 gray dense to fine granular cherty lst chert is bluish gray & sub translucent in part                                                                                                                                                                                                                                                |
| 2515  |                     |                   |          |       |        |           |                                |            |                          |           |      |        |        |             |              |         | 2470 2480 white coarse xln crinoids lst<br>2480 2490 white coarse xln crinoids lst cherty<br>2490 2495 white coarse xln<br>2495 2510 white coarse xln crinoids lst dolomitic<br>2510 2514 white coarse xln<br>2514 2535 gray to buff fine to coarse xln lst                                                                                    |
| 2565  |                     | Chattanooga Shale |          |       |        |           | Devonian                       |            |                          |           |      |        |        |             |              |         | 2535 Chattanooga Shale                                                                                                                                                                                                                                                                                                                         |
| 2615  |                     |                   |          |       |        |           | Ordovician                     |            |                          |           |      |        |        |             |              |         | 2581 Simpson<br>2590 2595 tan to buff fine to coarse xln cherty dolo chert is white to bluish gray smooth subtranslucent & faintly oolitic in part                                                                                                                                                                                             |

Primary Rock Lithology

Secondary Rock Lithology

Fossils

Fossils