



Schematic of the Newark Sandstone Monitoring well showing the well construction, geologic log, and geophysical logs. Note that only Gamma and Single Point Resistance (SPR) are shown for the geophysical logs. Gamma logging is a measure of the natural gamma radiation present in a rock formation. Radioactive elements are typically concentrated in clays, thus higher gamma values usually indicate the presence of shales and siltstones. Sandstone, limestone, and dolomite typically have lower gamma values. SPR records the electrical resistance between the borehole and an electrode at the land surface. In general, resistance is greater for coarser grained material such as limestone and dolomite and decreases with finer grained material such as sandstones and shales.