General Comments:

774m - 794m Sandstone Conglomerate, more common small pebbles to few distorted shiny hard laminae of harder claystone infused with biotite, trace muscovite. Claystone, light olive grey, dull with a texture grey black, dull silty, thin to moderate bright laminae with xylem of larger fragments pyrite at top absent with depth, with at the top of fragments, rare Inoceramus fragments, trace white micrite limestone, blocky in part, non to slightly calcareous, rare fossil shell fragments, rare.  

592m - 650.7m Thin 1.5m layer with abundant kaolin layer at top, 582m -592m Claystone, mod hard, medium to dark olive grey.  

545m - 560m Sandstone, light to medium gray, firm to unconsolidated, rounded grains,532m Sandstone, increase in kaolin and light grey, grey, very fine, fri, kaolin mtx associated with coal, generally hard rarely friable, fine to coarse,  very coarse to granule in matrix supported, pebbles scattered in part,  moderately dense in part. Claystone, dk olive grey, firm, lesser grey black, mod hard.  

526m   532m Siltstone chocolate brown carbonaceous. Coal, grey black, coarse rounded detrital grains, white kaolin adhering black, coarse rounded detrital grains, white kaolin adhering black, coarse rounded detrital grains, white kaolin adhering black, coarse rounded detrital grains, white kaolin adhering.  

502m   510m Sandstone, light grey, loose, fine to coarse, subangular to well rounded, predominantly coarse well sorted, subangular to well rounded, 373 m  400m Sandstone, light grey, loose, fine to very coarse, slightly micaceous glauconite grains, between 327m and 345m good trace black and dull specks declining to rare with depth, silty grading in part to .  

279m   373m Claystone, medium dark gray, soft, poor trace coaly dirty, tight, Sandstone arg Siltstone in slightly calcareous, mod calc in part, rare.  

248.5m   279m Claystone, medium dark grey, soft, com v fine to f silty grading in part to Siltstone with fine laminations of .  

211m   248.5m Claystone, medium dark grey to dark grey, soft to .  

148m   211m Claystone medium dark grey to dark grey, soft, firm, in part, non calcareous to slightly calcareous, trace very fine to fine irregular grains could be glauconite.  

50m   90m Claystone, medium dark grey soft, firm in part, non calcareous to slightly calcareous, trace very fine to fine irregular grains could be glauconite.  

15m  50m Claystone, medium dark grey, soft, firm in part, non calcareous to slightly calcareous, trace very fine to fine irregular grains could be glauconite.