

- 480-500' white to lt. gray, occasional gray-brown, fine to medium grained sandstone, angular to sub-angular, moderately to poorly sorted, sl. calcareous, moderately hard; dk. gray siltstone and dk. gray shale with black carbonaceous, coally stringers, moderately hard to brittle.
- 500-520' white to lt. gray, fine to medium grained, occasional coarse grained sandstone, angular to sub-angular, moderately to poorly sorted, moderately hard, non-calcareous, very occasional black carbonaceous stringers; gray shale and black shale with occasional black carbonaceous stringers, hard to brittle; trace of black coal.
- 520-540' sandstone as above, with some buff to brown, fine to medium grained sandstone, angular to sub-angular, poorly sorted, moderately hard, non-calcareous with abundant black carbonaceous to coally stringers; lt. gray claystone; and dk. gray to black shale, brittle.
- 540-560' dk. gray siltstone, hard; dk. gray to black shale with black coally stringers, brittle; very coarse grained to conglomeratic sandstone, sub-angular to sub-rounded, non-calcareous.
- 560-580' dk. gray siltstone; dk. gray shale, hard to brittle; lt. gray claystone, soft; occasional white to lt. gray, medium-grained sandstone, sub-angular to angular, moderately sorted, calcareous; black coal, shiny, brittle (at 565').
- 580-600' white to lt. gray, fine to medium grained sandstone, angular to sub-angular, moderately sorted, hard to moderately hard, calcareous; trace of black coal.
- 600-620' sandstone as above; dk. gray siltstone, hard; gray claystone, soft; dk. gray to black shale, with black carbonaceous stringers; trace of black coal.
- 620-640' gray to dk. gray siltstone, hard to moderately hard; some lt. gray, fine grained sandstone, angular to sub-angular, moderately sorted, moderately hard, sl. calcareous; some dk. gray to black shale, with black coally stringers, brittle.
- 640-660' lt. gray, fine to medium grained sandstone, angular to sub-angular, moderately sorted, moderately hard, calcareous; some dk. gray siltstone, hard; dk. gray to black shale, brittle.