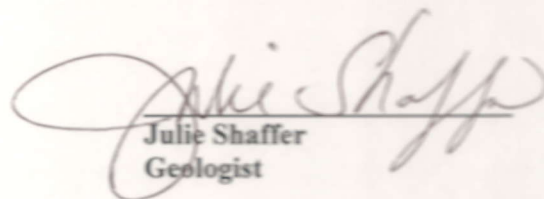


- 1470-1475' Sandstone, light-gray, pale yellowish-orange oil bleed/stain, loose well sorted sub-angular to sub-rounded fine to coarse grains, friable, good porosity, gas bubbles observed popping on surface, little to no silt, 20+^o% porosity, free oil on pit (very little show), good petroliferous odor, field notes indicate a 90% heavily mottled medium-bright yellow hydrocarbon fluorescence, after washing cuttings only exhibit a 60-70% mottled medium-bright yellow fluorescence, oil observed was a very lightweight yellow/gold color, some free oil was observed on water when washing (fluoresced), samples exhibited a fairly fast, even, medium-bright, bluish-white cut under black light
- 1475-1488' Shale, silty to sandy, no petroliferous odor, no fluorescence
- 1488-1490' Rowe Coal, few cuttings seen
- 1490-1534' Shale, dark gray, pyritic
- 1534-1537' Riverton Coal, no cuttings observed
- 1537-1554' Shale, dark gray

Top of the Mississippi at 1554' (-503')

- 1554-1564 Chert (80%), white/off-white, siliceous and chalky; Limestone (10%), olive gray, fine grained, pyritic, <2% pinpoint vugular porosity, no petroliferous odor/show, no fluorescence; Shale (10%), medium to dark gray, dove gray, waxy
- 1564-1571' Limestone, white, fine grained, scattered pyrite, no visible porosity, no petroliferous odor/show, faintly mottled dull yellow fluorescence, no hydrocarbon cut
- 1571-1575' Dolomite, off-white, pale yellowish-brown, calcareous, sucrosic, very friable, overall low intercrystalline porosity, majority of chips exhibit as high as 20-25% vugular porosity, no petroliferous show, slight flash odor at 1570', 100% uniform medium-bright yellow fluorescence. Samples exhibited a moderately slow, very faint, even, milky blue cut in dimple tray with ether, no residual oil show in white light. Trace of shale laminae present.
- 1575-1590' Limestone olive gray, fine grained, siliceous, no fluorescence

T.D. 1590'


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