

Core #1: 5302-5337' (Core Jammed at 5337'). Descriptions based on Chips where Aluminum Sleeve was cut for Transport. Cut 35', Recovered 33.8' (96.6% Recovery).

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Top SHALE medium gray, soft, fissile to subfissile, non to slightly calcareous, silty to sandy with occasional Silt and very fine grained Sandstone laminations and partings, abundant carbonaceous material and plant remains, gritty.

5308 SHALE medium to dark gray, firm to very firm, subfissile, non calcareous, silty to sandy, abundant carbonaceous material, trace micro Pyrite, gritty to earthy.

5311 SHALE dark gray, firm to soft, fissile, non-calcareous, slightly silty, abundant carbonaceous material, micaceous in part, trace Pyrite, earthy to gritty.

5314 SHALE dark to medium gray, firm, subfissile, non calcareous, abundant carbonaceous material, very slightly silty in part, slightly micaceous, trace micro Pyrite, earthy.

5317 SHALE dark gray, firm, fissile to subfissile, non calcareous, silty to sandy, abundant carbonaceous material, slightly micaceous, trace micro Pyrite, trace glauconite, earthy to slightly gritty.

5320 SHALE dark gray, soft to firm, fissile, non calcareous, slightly silty, slightly carbonaceous, slightly micaceous, earthy.

5323 SHALE dark gray, soft, fissile, splintery, non calcareous, slightly silty in part, trace

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micaceous, trace Pyrite, earthy to smooth.

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5326 SHALE as above, platy in part, occasional micro Pyrite.

5329 SHALE medium to dark gray, very firm, subfissile, splintery in part, slightly micaceous, trace plant remains, trace micro Pyrite, earthy to smooth.

5331 SANDSTONE dark to light gray, black, light to medium brown, friable to firm, fine to very coarse grained, angular to subround, poor sorting, Silica cement, very carbonaceous in part with Coal partings, abundant Pyrite, very poor to poor to fair visible porosity, faint to fair petroleum odor, dark to light brown oil stain, dull to moderate yellow fluorescence, immediate streaming yellow white cut.

5334.8 and 5335.8 SANDSTONE light to medium gray, light to medium brown, friable to firm to loose, very fine to very coarse grained, angular to subround, poor sorting, Silica cement, slightly calcareous in part, occasional Shale fragments (very carbonaceous in part), trace Pyrite, no visible to fair to good inter granular porosity, fair to good petroleum odor, dark to light brown oil stain, dull to moderate yellow fluorescence, immediate streaming yellow white cut.

Core #2: 5337-5365' Descriptions Based on Chips where Aluminum Sleeve was cut for Transport. Cut 28', Recovered 29.8' (106% Recovery).

5338 SANDSTONE as above.

5340 LIMESTONE medium gray, tan, hard, micro to very fine crystalline, dense, fossiliferous, slightly argillaceous, no visible porosity, occasional yellow mineral fluorescence, no cut.

5343 & 5346 SHALE dark gray, firm to very firm, subfissile, slightly calcareous, slightly micro micaceous, slightly carbonaceous with trace plant remains, trace micro Pyrite, earthy to smooth.

5349 LIMESTONE medium gray, tan, gray brown, hard, very fine to fine crystalline, dense, occasional green Claystone inclusions, trace glauconite, no visible porosity, NSOFC.

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5352 SHALE green gray, medium gray, soft to firm, subfissile, calcareous, fossiliferous, slightly micaceous, trace micro Pyrite, smooth.

5355 SHALE medium gray, firm, subfissile, calcareous, trace to slightly micaceous, smooth to earthy.

5358 SHALE medium gray, green gray, firm, subfissile, slightly calcareous, micro micaceous, smooth.

5361 SHALE dark gray, firm, subfissile to fissile, calcareous, slightly micro micaceous, carbonaceous in part, trace micro Pyrite, smooth to earthy.

5364 & 5366.8 SHALE as above, becoming fissile, slightly to moderately carbonaceous, trace plant remains.

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