

Containing sparse foraminifera.
 Too soft for core analysis.
 Porosity = 20+ Permeability very low due to matrix
 plugging.

- 3520.5-3521 Sandstone: olive grey, fine-medium grained, as above, very hard.
- (dolomitic cement)
 - occasional black grains of some resistate mineral?
 - contains dark brown lense-like discolored masses to 1½" long with ½-¾", light brown-grey surrounding halo.
 - mineral fluorescence - no porosity or permeability
 - no apparent dip.

Core No. 4 (3800-3828) Rec. 22 ft.

3800-3809 Very argillaceous siltstone: chocolate brown-grey, moderately well compacted, fine irregular banded appearance in hand specimen and massive. Contains much pyrite, finely disseminated, as discreet lenslike nodules to 1/16" thick, pyritised foraminiferal fragments. Lenses of very fine grained pyritic sandstone to ¼" thick. Occasional quartz sand grains, fine-medium size range, argillaceous, micromicaceous and fairly abundant flecks of clear mica to 1/3 mm across. Non calcareous, much fine fossiliferous hash locally (dolomitized). Non carbonaceous, no dip, no hydrocarbon odor, no fluorescence, no cut.

3809-3811 Dolomitic siltstone: buff-orange brown grey, very hard, well cemented, much pyrite, finely disseminated and in irregular nodules to 3/4" long, abundant fine pyritised fossiliferous fragments (foraminifera)
 Upper contact with siltstone marked by 3/4" thick massive pyritic band.
 Interval is a dolomitic version of the above siltstone, and is in part not dolomitised. One fragment with ¼" medium crystalline buff dolomite veinlet cutting parallel to axis of core.

3811-3822 Very argillaceous siltstone: as above. (3800-3809 interval).

Core No. 5 (4130-4160) Rec. 12 feet.

4130-4134 Argillaceous siltstone: light brown grey-buff, bentonitic (tuffaceous?), well compacted, massive, abundant flecks clear mica, very sparse thin carbonaceous streaks, very sparse quartz sand grains (fine-medium grained). Fine carbonaceous flecks in residue, non calcareous. Strong H₂S odor from freshly broken surfaces, mineral fluorescence, no hydrocarbon fluorescence, no cut. Occasional carbonaceous streaks approximately on bedding surface suggest grass-like plant remains. Contact gradual with underlying interval.

4134-4142 Carbonaceous sandy siltstone: dark brown grey-streaked black, very tough and well compacted, contains a super-abundance of carbonaceous plant remains, elongate willow-like leaves and stem-like vascular remains. Very micaceous with clear crystals mica to an average .5 mm across; sand occurs in elongate lenses and disseminated throughout, sand content is quartzose in the fine-medium range, and angular-sub angular. The matrix is kaolinitic, argillaceous, finely carbonaceous. Trace pyrite. Rock has an irregular streaked and lensed appearance parallel to bedding; coaly streaks to ¼" thick, no fluorescence, no cut, very strong hydrogen sulphide odor. No apparent dip.

Core No. 6 (4416-4444) No recovery. Cut 28 ft.

Core No. 7 (4740-4762) Rec. 22 feet.