

GL09323-4

4300'

light

dark

calcareous

~~lt~~ green tuffaceous siltstone 40%, ~~dk~~ brown calc siltstone 30%.
Abundant chalcedonic veins, slickensides, ~~minor~~ pyrite.
Bn siltstone is extensively recrystallized. ~~Tr pyrite~~ *minor* boxwork
chalcedony, green mica-like alteration production, ~~lt~~ green
siltstone---- celadonite? *in light*

Brown

50'

Alternating lt and dark siltstone. Minor pyrite throughout.

4400'

Very fine cuttings, 60% lt green siltstone, 30% calc. Bn.
Less indications of fracturing.
(Poor cuttings)

50'

A. A. w/ calcareous powder
Lt green tuffaceous(?) siltstone. Evidence of faulting
present but not as evident as above 4400'

4495'

Lt to dk green fractured silicified volcanic siltstone. Fractures
at 45, 60 horizontal and vertical.

Fractured, silicified tuffaceous siltstone, Dk green. Fractures
at 60, 45, and irregular angles. Minor development of silica
boxwork. Some fractures in upper core are "open" and minor
solution porosity. Extensive pyritization on fractures at 4496.5'
Boxwork chalcedony @ 4497'

4500

Nice 60° fault plane @ 4499.5' and extensive solution localized
in "flowerburst" patterns. Thermal conductivity sample "A" from
4499'.

Less silicified below 4502. More uniformly Dk green, 1/4" wide
SiO₂(?) Veinlets @ 4502

4505'

4502 Silicified fracture @ 4503 (zeolite rather than SiO₂ ?)
Clusts of Bn calcareous siltstone, 3" diameter, incorporated in
green siltstone @ 4504', 45° fracture @ 4505'

More dense blocky green siltstone, Tr pyrite throughout
Slight interbedding of Bn sandy siltstone

4509'

Bottom of Gn siltstone in core bbl. 4509.5'

Missing Core

Note: Estimated footage depths to this point measured down
from top of core zone. Below this depth footages were measured
back from depth at completion of coring @ 4555'



4546.5'

Dk Bn to gray calcareous siltstone; Laminated extensive fractures
@ 60° Probably spotty core recovery due to fracturing. Extensive
calcite veining in Brecciated areas. Very fine pyrite throughout.
Thermal conductivity sample "C" @ 4548'. Extensive "Phyllite-
like" recrystallization of calcite on slickenside surfaces

4550'

@ 4547.9'. Thermal conductivity sample "D" from solid core @ 4549'

4555'

Mixed Bn and lt green siltstone with minor evidence of fracturing
Junk in cuttings from temperature probe and cable. Tr pyrite,
biotite, and muscovite

4600'

Lt Bn calcareous siltstone 40%, lt green siltstone 50%
Poor Samples