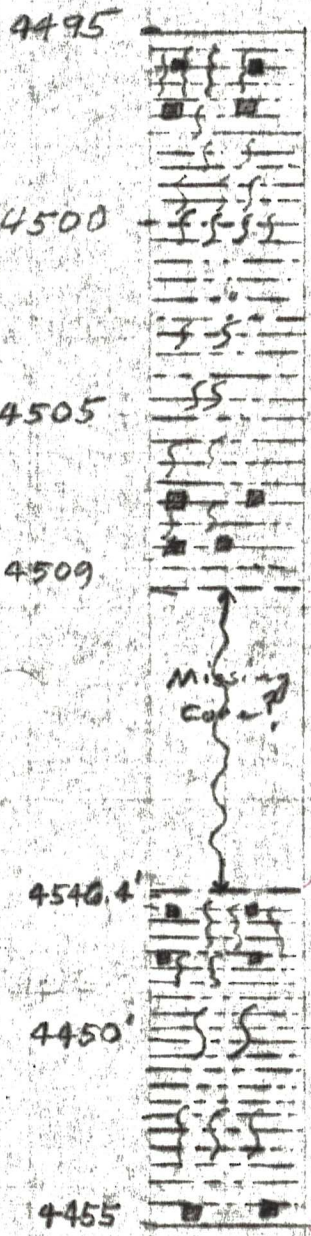


6107332

# RRGE CORE #1; 4495'-4555'



Fractured, silicified Tuffaceous Siltstone, DK Green Fractures @ 60°, 45° & irregular. Minor Development of Siliceous Boxwork. Some Fractures in upper core are "open" & minor solution porosity. Extensive pyritization on fractures @ 4496.5. Boxwork Chalcidony @ 4497.

Nice 60° Fault Plane @ 4499.5 + extensive solution localities in "flower-burst" patterns. Thermal Conductivity Sample "A" from 4499. Less silicified below 4502, More Uniformly Dark Green, 1/4" wide SiO<sub>2</sub> Veins @ 4502.

45° silicified fractures @ 4503 (zeolite rather than SiO<sub>2</sub>)

Clasts of Br. Calcareous Siltstone, 3" diameter incorporated in green siltstone @ 4504. 45° fracture @ 4505.

More Dense Blocky Green Siltstone Tr Pyrite throughout. Slight interbedding of Br. Sandy Siltstone.

Bottom of Br Siltstone in Core BBL. 4509.5

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

DK Br to gray calcareous siltstone; Laminated. Extensive fractures @ 60°. Probably spotty core recovery due to fracturing. Extensive calcite veining in brecciated zones. Very fine pyrite throughout. Thermal Conductivity Sample "C" @ 4546. Extensive "phylite-like" recrystallization of calcite on slickensided surfaces at 4547. Thermal Conductivity Sample "D" from solid core @ 4449.

4300

Lt Green tuffaceous siltstone 40% dk brown calc. siltstone 30%  
Abundant chalcidonic veins, Slickensides. Minor pyrite  
Bn siltstone is extensively recrystallized. Tr. pyrite. Minor Dacworth  
Chalcidonic - Green, mica-like alterite product in Lt Green siltstone  
celadonite

Alternating Lt & Dark siltstone minor pyrite throughout.

4400

very fine cuttings 60% Lt Green siltstone 30% calc. Bn.  
Less indications of fracturing  
(Poor cuttings)

A.A. w/ calcareous powder

Lt Green Tuffaceous? siltstone evidence of faulting  
present but not as evident as above 4400'

Lt to Dk Green fractured, silicified volcanic siltstone  
Fractures at 45, 60°, horizontal & vertical.  
For Detailed description see core log.

4500

Core  
T  
T  
Core  
Misc

Brown calcite-veined, fractured laminated siltstone

mixed Bn & Lt Green siltstone with minor evidence of  
fracturing - Junk in cuttings from T.M. Probe & Cable.  
Tr. Pyrite, Protite & Muscovite

4600

Lt Bn calcareous siltstone 40% & Lt Green siltstone 50%  
Poor Samples

50

- 9 4495 - 4497.7
- 8 4497.7 - 4500.5
- 7 4500.5 - 4503.3
- 6 4503.3 - 4506
- 5 4506 - 4508.9
- 4 4508.9 - 4509.5  
Break?
- 3 4546.4 - 4547.9
- 2 4547.9 - 4550.4
- 1 4550.4 - 4553.2
- 0 4553.2 - 4555

Lt Green w/ D Green Veining  
vert fracturing Chalcedony vein  
fining

Lt Grn + DK Grn Siltstone  
w/ 60° & 45° slickensides  
Less dense dk Green Siltstone  
w minor white veining  
Gray Clasts in green Siltstone  
minor wt. vein - 45° fracture  
Fine Green Siltstone w/ fracture  
@ 45° & vertical - very minor veining  
Fine Green Siltstone A.A.  
DK Br LS??  
fractured w/ calcite. Dense  
at various 45° to Pyrite + Sericite  
Phyllite - Like coaly on talloed surfaces

4508.9  
4547.9  
1.5

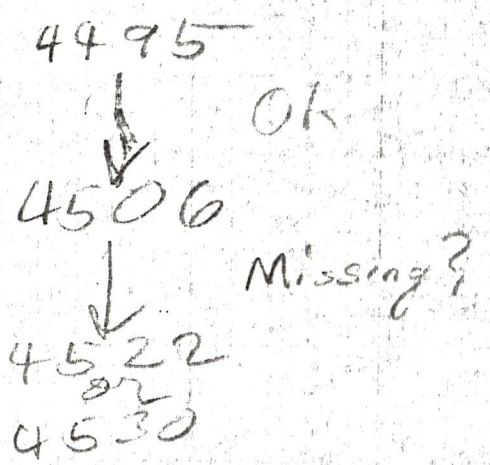
4550.4  
2.5  
4547.9

4551.4  
4548.9  
2.5

- 4 4546.4 - 4547.9
- 3 4547.9 - 4550.4
- 2 4550.4 - 4553.2
- 1 4553.2 - 4555

4547.9  
4509.5

37.9



450

500

550

600

650

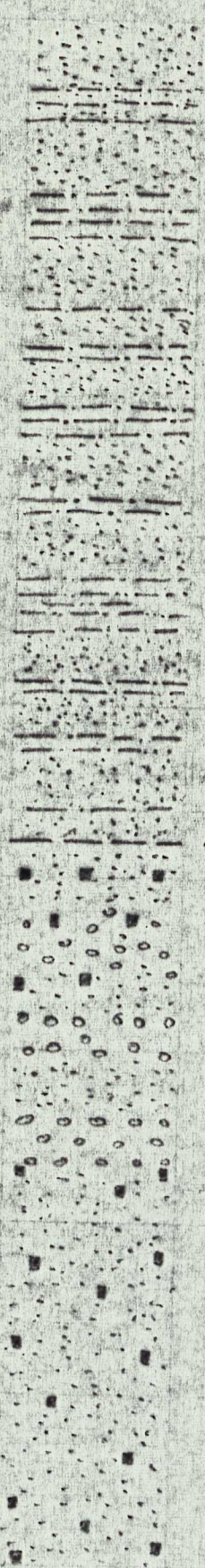
700

750

800

850

900



Greenish gray and gray tuffaceous  
sandstone and siltstone. Grains  
mostly quartz and Tjs, minor  
green tuff fragments. 598-629,  
contains fresh glass shards.

Greenish gray coarse tuffaceous  
sandstone, with some  
conglomerate. Most fragments are  
Tjs, partly altered, quartz, and  
quartzite. Up to 1% pyrite.  
Shards in matrix well developed.