

VOLUTA-1

DEPT. NAT. RES & ENV



PE600395

4000' - 4320'

Interbedded:

Qz S, lse, clear, (wh) crs - gran, loc m, srt, (sph), rnd, often pyritic coated.
Between 4260 to 4320 Qz grains become yellow, lt br-dk patched - (Lmn stains).

Sltst, dk brn, cl, (carb), fri - (cons), glc.

Clst lt brn-dk gy, pasty, slt, S, with carb specks

Lmn concretionary grains, brn, mainly lse, crs - crs, sometimes set in a brn limonitic and green glauconitic cement.

Coal streaks, blk, sft, throughout the section

Traces up to 10% Pyr - Glc.

Between 4210 to 4300 minor Dol washstone beige - lt brn, sft, S, m grains Lmn + glc, (carb), Cons, (glc)

4320' - 4680'

Qz S, lse, crs - crs - gran, clearer (wh), in part with Lmn stains, srt, (ang) - (rnd), (sph) towards the base (4600 - 4630) traces of Qz sst, wh f - crs srt - prt, (ang) (rnd) set in a calc/dol matrix - Novis fac.

Traces: Coal, Lmn grains, Clst.

Core n°5 4630 - 4649 Rec: 10'7"

Top of the recovered part (3 feet)

Qz - s, slt, cl, dense, gy, f, srt, (ang), irreg lamin, some burrows, last foot changing into Clst

Bottom of the recovered part (7'10")

4630' Clst, slt, fs, gy, sft, carb, mic. pyr, finely di.
Core n°5 Rec 56% vided and in bodies up to 3/4" (Glc)
4649' occ. Qz grains crs - crs vaguely laminated burrows

4649' - 4950'

Qz S, lse, mainly crs crs, loc gran and lbl, in part l - m (90% of p. m grains is probably higher, but not entirely recovered)
Clear, (wh) (milky), (yellow - lt brn) (Lmn stains) srt - (srt), (ang) - (rnd), (sph) rarely elong - clay matrix washes out.
Pyr coating throughout the section but beechings more abundant at the base
Occ (traces up to 10%) of lt gy - gy Qz sst cons f - crs, lt gy - wh if 5y - gy with occ Glc grains, carb specks, Pyr. Set in a Calc matrix - matrix is sometimes pyritic (base of the section).

Traces up to 15% Clst: in part: rnd grains, gy - dk st, blk, silicified, pyr. (gradings, chert?) in part: fragments are friable, gy - dkgy, (carb), S, pyritic

Traces: C, Lmn grains (abundant at top of the section), Chert grains, Calc (rare)

Core n°6 4950' - 4975' Rec: 35%:
Qz sst, gy, dense cl, f - p, srt, loc m - lbl, ang - (ang), low sph, crs - crs, (Glc) (Ch) cons - blk, calc/dol cement, irreg laminated burrowing - the last 5 feet: Qz S, cl, f - crs, occ gran, (ang), carb, mic.

