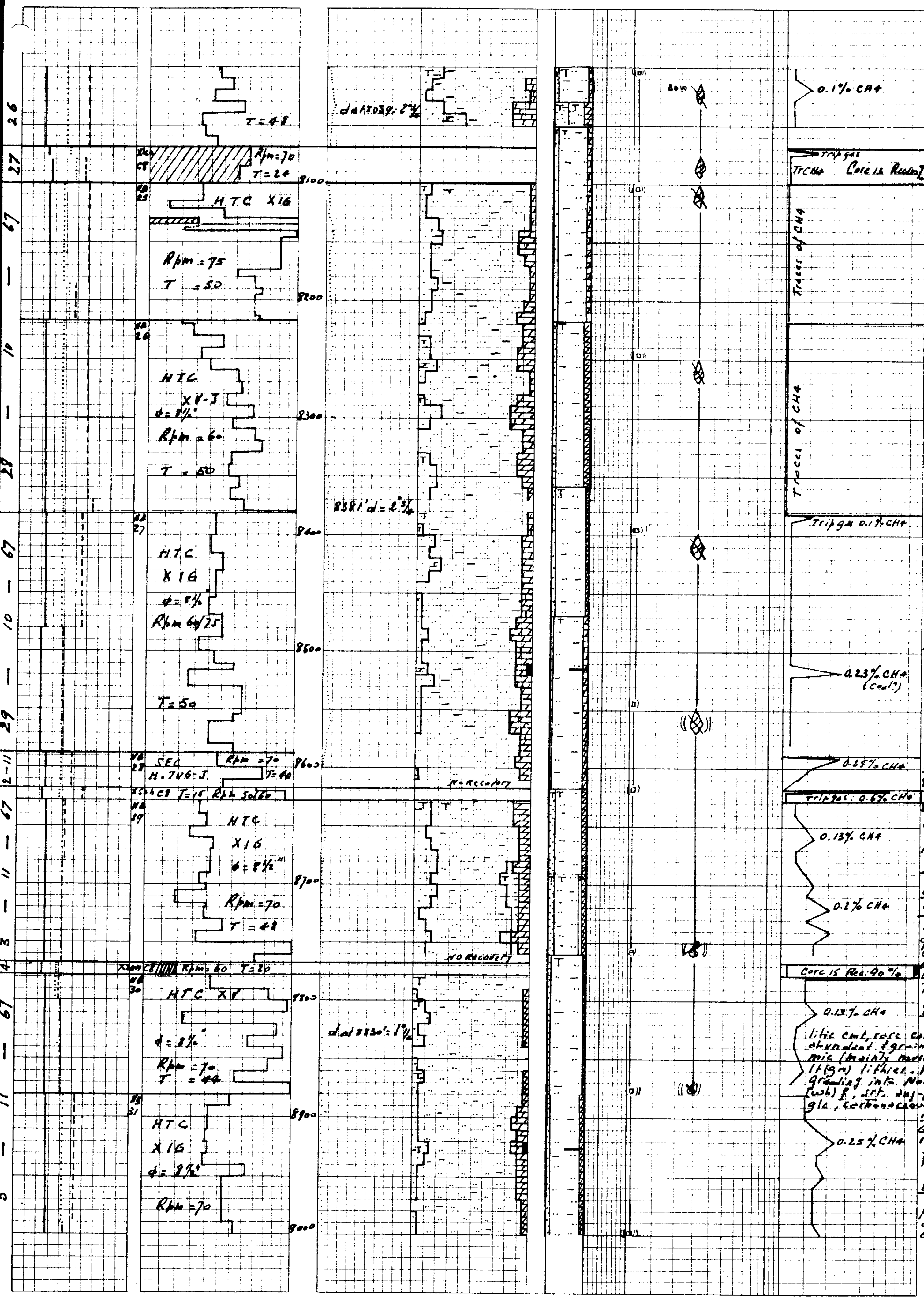
VOLUTA-1



8000'–8050'

Sltst dkgy as above, grades into gy-dkgy f-f sst.

Core n° 13 8069'–8099' Recovered 30 feet.

8069' Sltst, dns, dkgy-blk, cons-hd, s in f qz + subordinate wh-(pk) Fld grains, carb pyr (specks), constant particles lineations, 8099' locally burrowed, very poor bedding, minor horizontal + vertical microjointing, grades into rather rare microinterbeds of small lensoid patches of thin strks of qz sst, dns, gy, f, srt, cl cmt, slt, (gk) some grains Fld, and (grn) volc lithics.

Occ nodules of Dol ltbrn-buff, xln, ankeritic, hd, s, carb specks, few minute veins wh calc or small patches lt brn calc. Lower 10 feet: more broken (more jointing?, more sandy?) – Flat dip.
Aspect of core is very homogeneous.
Some small gastropods.

8099'–8587'

Sltst dkgy as in core n° 13 – carb glc, with fair amount of pinkish very f granules of Fld, grades often to f qz sst. With very thin interbeds of f qz sst, wh dns, with cl cmt, (locally cmt is calc) grades to gy-dk gy f-slt qz sst with cl cmt.

Dol: brn-buff, hd, xln, contains in part calc material (calcite?).

8320' trace amber.

8400'–8420' and 8520'–8550': Traces of beige calcite prismes (Inoceramus or calc veins?)

8510–8520 Coal: blk, sft. (associated with a small peak of CH4)

Note: Siltstone contains a small constant percentage of crs-crs Glc grains

Traces: Pyr – Gastropode shell fragments throughout the unit.

8587'–8617'

Sltst as above: dkgy, dns, compact, hd, (mic), (pyr), glc, (f to crs Glc grains), cl, sandy to extremely sandy, with C flecks and laminae, abundant whitish weathered Fld with patches and micro beds of f wh qz sst? grades often into f qz sst with cl matrix.
Occ streaks of Dol brn, hd, xln, glc, s, locally becoming calc.
Traces Pyr, wh xln calcite.

8617' 8627' Core n° 14 Recovered 1 inch.

8617' Core 14 Rec. 95% 8627' Sltst, dns, dkgy-(blk) cl-pelitic cmt, cons, abundant Qz grains f, few f, f (wh) Fld grains, carb specks, (mic) (gk), few irregular laminations, rare burrows grading locally into rare very thin (1-2mm) strks qz sst, dns (wh), f, srt, ang, cl (cmt) cons, few (pk) f Fld grains somewhat glc – Microjoints.

8627'–8767': Sltst as above, extremely sandy grades often into f qz sst, wh-gy, srt, cl cmt.

From 8700: progressive gradation of sltst into qz sst, (por), wh-lt(gy), f, srt, ang, sph, cl-pelitic cmt, rare calc-dol cmt, sft, some (wh) Fld grains occ lt(gn) lithics, glc, loc mic with minor Clst, gy, slt, s, carb. and Dol.
Traces: C, pyr, occ Tr of amber, calc shell fragm,

8767'–8777' Core n° 15 Recovered 9 feet.

Slts, dns, dkgy-(black), cl-pelitic cmt, rare calc-dol cmt, cons but brit, s in f qz grains abundant f grains of (wh) + (pk) + (orng) Fld, abundant carb flecks mic (mainly musc), (glc), some small patches pyr, some lt(grn) lithics. Vague and irregular laminations, rare burrows, grading into Nod and Strks of qz, locally s-Fld sst, dns, (wh) f, srt, ang-(sng) sph, cl cmt, rare calc cmt, cons, slt glc, carbonaceous specks, (mic) Fld as in sltst: strks of Dol, dns, lt brn xln hd s carb specks, rare Glc grains, ankeritic, locally si. (Dol is the result of late dolomitization of the original slt sediment)
Flat dip. Horizontal microjointing frequent

8777'–9100' Sltst as in core n° 15 and previously with patches and streaks of f qz sst and Dol. Sltst grades often into f qz sst, loc s-fld.

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