

Spore colours of mid brown at the base and light brown at the top indicate that the section is mature for oil and marginally mature for gas/condensate below about 2600m, and marginally mature for oil and immature for gas/condensate above that level.

L. 2899.93 (swc)-3033m : T. lillei Zone

Assignment to the Tricolporites lillei Zone is indicated at the top by the top of common Nothofagidites spp. (and the absence of younger indicators above) and at the base by the oldest consistent Gambierina rudata, and common Nothofagidites endurus.

Nothofagidites senectus becomes common at 3033m, suggesting the lower half of the T. lillei Zone. Two sidewall cores are assigned to this interval, enhancing precision.

Non-marine, probably lacustrine environments are suggested by the rare presence of the dinoflagellate Morkallacysta pyramidalis, in a monospecific association.

Spore colours of mid brown indicate maturity for oil and marginal maturity for gas/condensate.

M. 3097.77m (swc) : indeterminate

This sidewall core was almost barren, yielding only rare vitrinite and inertinite fragments, and so cannot be dated.

N. 3104m (cutts) : probably N. senectus Zone

Assignment to the Nothofagidites senectus Zone is suggested by the presence of common N. senectus and scarce N. endurus, in contrast to the T. lillei Zone above. Gambierina rudata is represented by