

PELICAN 5

Core 1 2790.4-2808.1m (9155-9213 ft) M. diversus

A coarsen up very fine to medium grained minor mouth bar sand associated with maroon/brown lake/embayment shales which contain localized zones of lenticular rippled sands. Bar sands are wavy, flaser and horizontally bedded and are overlain by a crevasse channel, crevasse splays, bay/lake fills and embayment shales. An argillaceous very fine-grained bioturbated sand exhibiting contorted and wavy bedding grades up into homogeneous gray/green shale overlain by a flotan coal. Capping the sequence is a trough bedded medium-grained channel sand.

Cores 2 and 3 2863.6-2896.2m (9395-9491 ft) M. diversus

Contiguous cores that are a progradational sequence. Coarsen-up shoreface sands and shales exhibiting low angle to hummocky cross-stratification are truncated by thick series of stacked channels. These medium to fine-grained channel sands are characterized by large intraclasts (bank collapse) indistinct to massive zones, and planar to trough cross bedding. Lake/embayment very fine, bioturbated sands and shales cap the sequence.