

PELICAN 4

## Core 1, (9325-9365 ft) M. diversus

Core 1 is comprised of crevasse channels, splays, bay/lake fills and a minor mouth bar. The channels are commonly floored with sideritic shale lags (ripups) associated with trough cross-bedded medium grained sands which fine upward. Bay/lake fills and crevasse splay are thin gradational coarsening up sequences which are associated with the bay/lake shale facies. Thin lenticular (rippled) sands are common in transition zones. A relative thick coarsening up sand is located at the top and is interpreted to be a minor mouth bar sequence. This sequence is characterized by flaser, wavy, and contorted bedding in the fine grained sands and trough cross-bedding in the upper fine grained sands.

## Core 2, (9564-9606 ft) M. diversus

Core 2 contains a series of isolated crevasse channels associated with embayment/lake shales. Thin coals (coffee grounds origin) were observed within levee deposits in addition to a thick coal unit, interpreted to be a flotan, located at the top of the core.