

APPENDIX 3

Lithological Description

The following lithological units have been completed from cuttings descriptions and wireline log interpretation.

All depths are quoted below the rotary table Kelly bushing:

Depth: seafloor - 258m (water depth 80.5m)

No returns to surface.

Depth: 238 to 380m (Thickness 142m)

Limestone: White to light grey to yellow grey to light medium olive grey, very fine to very coarse, dominantly coarse grained fossil fragments, moderate to poorly sorted, subangular to rounded, dominantly subrounded, 5-20% calcareous cement, 10-30% argillaceous matrix and trace to 10% silt matrix, 40-85% fossil fragments including bryozoans, bivalves, corals, mollusks, forams, echinoid spines, and sponge spicules, friable to firm, poor to good, dominantly fair visual intraskeletal porosity.

grades to:

Calcarenite: As above

and

Calcsiltite: As above.

Depth: 380 to 506m (Thickness 126m)

Claystone: Medium olive grey to green grey, calcareous trace to 10% silt, 5-15% fossil fragments, soft.

Depth: 506 - 610m (Thickness 104m)

Bioclastic Limestone: Light yellow grey to yellow grey, very fine to very coarse occasionally granular dominantly very coarse grained fossil fragments, poor to moderate sorting, angular to subangular, trace-5% silt and trace argillaceous matrix, trace-5% calcareous cement, 70-85% fossil fragments including forams, bryozoans, corals, echinoid spines and bivalves, friable, fair visual intraskeletal porosity.

Depth: 610 - 895m (Thickness 285m)

Limestone: Consisting dominantly of calcarenite and bioclastic limestone, containing calcilutite, calcsiltite and interbedded with claystone.

Calcarenite: Very light grey to yellow grey, very fine to coarse dominantly medium grained, moderate to poorly sorted, subangular to subrounded, 5-30% argillaceous and trace to 10% silt matrix, trace to 5% calcareous cement, trace disseminated pyrite, trace-30% fossil fragments, nil-5% fine grained quartz, trace glauconite, firm to hard, nil to poor visual porosity.