Wainui-1
Kora-1
Ariki-1
Moana-1
Tangaroa-1
Te Kumi-1
Tirua-1
Awakino-1
Depth
CALI
RHOB
ILD
Interpreted Paleobathymetry
Facies
Lithology
Comments
Figure S1
Figure S2
Figure S3
Figure S4
Facies
Interpretation
Colour
Age
Coastal Plain to Marginal Marine
Shorelace and shallow marine
Shelf muds
Shelf limestone (shallow shelf & redeposited)
Upper bathyal muds
Sandy slope - may include some distal submarine fan
Proximal submarine fan and channel
Distal submarine fan (or interlobe)
Mid-lower bathyal muds
Slope-basinal limestone (upper to mid bathyal)
Variably calcareous, marly lithologies deposited under bathyal conditions
Alpinian (P)
Otaian (Po)
Haweatan (Lo)
Duntroonian (LO)
Mik Whangaroan (Le/m)
early Whangaroan (eLe/e)
Runangan (Ro)
Kaiatan (Ea)
Paleocene
Low gamma, high resistivity - calc mudstone, possibly cemented (eg. Ariki-1 and Awakino-1)
Relatively rugged(eg. Wainui-1 and Tangaroa-1) - may include some marly muds
Confining paleobathy. Relatively rugged (eg. Wainui-1 and Tangaroa-1) - may include calcareous and/or marly shales
Clear base to early Lwr cross
Good Tartaria response
Deep water oil signature, cleanness, dilute slope facies
Thin Lwr Tasaroan - lime sand in deep water
Absence of dolos by HECM suggests such accretion could be sandier or possibly some canyon
Tasaroan - Kaiatan - Paleocene of Tangaroa-1 are clean muds, consistent with a deep water setting
Paleocene (Kaiatan) - lime sand in Tangaroa-1 - may be a lowstand canyon
Absence of dolos by HECM suggests such accretion could be sandier or possibly some canyon
Some accretion but not extensive or lengthy (ie. lime sediment shelf) - Kaiatan - Paleocene of Tangaroa-1 - good to all 3400 m and down to Lwr Paleocene (Kaiatan) in Tangaroa-1
Revised ages from views by HECM
Lo Tartaria
Lo Tikorangi
Upside increase in water depth - decrease in argillaceous content, decrease in calc content
Paleocene (Kaiatan) deposited on the Turi and Whaka. Could be sandier than Wainui-1 and Tangaroa-1 - HECM also - absence of dolos and low resistivity logs
"M-marly" Lwr/M sign suggests mid - deep to bathyal in Tangaroa
Lo Tartaria
Lo Tikorangi
Paleocene (Kaiatan) - lime sand in Tangaroa-1 - may be a lowstand canyon