

LONGTOM-1

Location: Offshore Gippsland Basin
 Latitude: 38 06 00.03 S
 Longitude: 148 18 54.28 E

Water Depth = 56.2 m
 Total Depth Drilled (KB) = 2242 m; Depth Logged (KB) = 2237.384 m
 KB Elevation = 25 m AMSL
 Seismic line reference: G91A-2004, sp 2582

Completed June 14, 1995 by BHP Petroleum
 Status = Gas well, plugged & abandoned

Lithostratigraphy by Tom Bernecker (1997)
 Lithological interpretation by Karina Jonasson (1998)
 Palynology by A.D. Partridge (1995)
 Produced by the Basin Studies Group 05-Jun-200



Lithological legend

Carbonate Lithotypes	Siliciclastic Lithotypes	Others
Limestone	Conglomerate	l'bedded sandstone & mudstone
Limestone, sandy	Sandstone, pebbly	Siltstone
Limestone, dolomitic	Sandstone	Mudstone (shale)
Dolomite	Sandstone, calcareous	Mudstone, calcareous
Dolomite, calcareous	Sandstone, argillaceous	Claystone
Marl	Sandstone, glauconitic	Coal
	"Greensand"	

Accessory minerals legend

C - carbonaceous debris
 P - pyrite
 G - glauconite
 M - mica
 Arrowheads indicate SWC range & abundance
 Patterns indicate cuttings/core range & abundance

Symbol	Abundance
(Small square)	trace
(Medium square)	common
(Large square)	minor
(Large square with dots)	abundant

Pristane/Phytane Legend

< 1.5 Anoxic - Subaqueous (lacustrine or marine)
 1.5 - 3.0 Trans - Transitional environment
 > 3.0 Oxid - Subaerial environment

Palynological scheme legend

SPORE-POLLEN:	DINOFLAGELLATES:
T. be = T. bellus	C. in = C. incompositum
P. tu = P. tuberculatus	D. he = D. heterophlycta
N. as = N. asperus	A. hy = A. hyperacantha
P. as = P. asperopolus	A. ho = A. homomorphom
M. di = M. diversus	E. cr = E. crassitabulata
L. ba = L. balmei	T. ev = T. evittii
F. lo = F. longus	M. dir = M. druggii
T. li = T. lilliei	I. ko = I. korojenense
N. se = N. senectus	X. au = X. australis
T. ap = T. apoxyxenus	N. ac = N. aceras
P. ma = P. mawsonii	I. ro = I. rotundatum
H. un = H. uniforma (A. di = A. distocarinatus)	I. cr = I. cretaceum
P. pa = P. pannosus	O. po = O. porifera
C. pa = C. paradoxa	C. st = C. striatoconus
C. st = C. striatus	P. in = P. infusorioides
C. hu = C. hughesii	
P. no = P. notensis	
F. wo = F. worthaggeniensis	
C. au = C. australiensis	
R. wa = R. watheroensis	

N.B. Not all palynological zones in the legend have been used in this wellsheet.

Hydrocarbon shows/tests legend

(Sun symbol)	Gas show (weak)
(Sun with rays symbol)	Gas show (strong)
(Sun with rays and dot symbol)	Gas zone
(Oil drop symbol)	Oil show (weak)
(Oil drop with dot symbol)	Oil show (strong)
(Oil drop with dot and dot symbol)	Oil zone
(Oil drop with dot and dot and dot symbol)	Oil/gas show (weak)
(Oil drop with dot and dot and dot and dot symbol)	Oil/gas show (strong)
(Sun with rays and dot symbol)	Oil fluorescence
(Sun with rays and dot and dot symbol)	CO ₂ zone
(Sun with rays and dot and dot and dot symbol)	RFT test

N.B. Not all hydrocarbon symbols in the legend have been used in this wellsheet.

