

EMPEROR-1

Location: Offshore Gippsland Basin
 Latitude: 38 05 54 S
 Longitude: 148 00 20 E

Water Depth = 51.82 m
 Total Depth Drilled (KB) = 1994.92 m; Depth Logged (KB) = 1998.573 m
 KB Elevation = 9.45 m amsl
 Seismic line reference: GB79-117, sp 750

Completed June 29, 1970 by Esso Australia Ltd.
 Status = Plugged & abandoned

Lithostratigraphy by
 Lithological interpretation by Natalia Liberman (1998)
 Palynology by
 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"	

N.B. Not all lithological patterns in the legend have been used in this wellsheet.

Accessory minerals legend

C - carbonaceous debris	trace	common
P - pyrite	minor	abundant
G - glauconite		
M - mica		

Arrowheads indicate SWC range & abundance
 Patterns indicate cuttings/core range & abundance

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:	DINOFAGELLATES:
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. dr = M. druggii
T. li = T. lilliei	I. ko = I. korojenense
N. se = N. senectus	X. au = X. australis
T. ap = T. apoxyxinus	N. ac = N. aceras
P. ma = P. mawsonii	I. ro = I. rotundatum
H. un = H. uniform (A. di = A. distocarinarus)	I. cr = I. cretaceum
P. pa = P. pannosus	O. po = O. porifera
C. pa = C. paradoxa	N. ac = N. aceras
C. st = C. striatus	C. st = C. striatococcus
C. hu = C. hughesii	P. in = P. infusorioides
P. no = P. notensis	
F. wo = F. wonthaggiensis	
C. au = C. australiensis	
R. wa = R. watheroensis	

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

Palynologists' environments legend

nm - non marine	mm - marginal marine
lac - lacustrine	ns - nearshore marine
est - estuarine	om - offshore marine

N.B. Environments are based on spore-pollen/dino ratios.

Hydrocarbon shows/tests legend

Gas show (weak)
Gas show (strong)
Gas zone
Oil show (weak)
Oil show (strong)
Oil zone
Oil/gas show (weak)
Oil/gas show (strong)
Oil fluorescence
CO ₂ zone
RFT test

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

