

WESTGATE_1A

Location: OTWAY BASIN
 Latitude: -38.4653982 S
 Longitude: 142.8881683 E



Total Depth Drilled (KB) = 1918 m
 KB Elevation = 94.3 m amsl
 Seismic line reference: OB85C-400 SP163 at surface, 189 at TD

Completed by Beach Petroleum 1986
 Status = P&A

Lithostratigraphy by GSV Report 103
 Lithological interpretation WCR
 Palynology by Partridge 1996

Produced by the Basin Studies Group 26-Oct-2001

Lithological legend

Carbonate Lithotypes	Siliciclastic Lithotypes	Others
Limestone	Conglomerate	Extrusive rocks
Limestone, sandy	Sandstone, pebbly	Mafic sills
Limestone, dolomitic	Sandstone	Plutonic rocks
Dolomite	Sandstone, calcareous	Metamorphic rocks
Dolomite, calcareous	Sandstone, argillaceous	Coal
Marl	Sandstone, glauconitic	
	"Greensand"	

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

Accessory minerals legend

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

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 Oxidic - 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. hypercantha
P. as = P. asperopolus	A. ho = A. homomorphom
M. di = M. diversus	E. cr = E. crassitabulata
L. ba = L. baimei	T. ev = T. evittii
F. lo = F. longus	M. dr = M. druggii
T. li = T. lilliei	I. ko = I. korojense
N. se = N. senectus	X. au = X. australis
T. ap = T. apoxyximus	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. worthaggiensis	
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
 lac - lacustrine
 est - estuarine
 mm - marginal marine
 ns - nearshore marine
 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
	CO2 zone
	RFT test

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

