

HAWKESDALE_1

Location: OTWAY BASIN
 Latitude: -38.0791244 S
 Longitude: 142.2979213 E

Total Depth Drilled (KB) = 1771 m
 KB Elevation = 139 m amsl
 Seismic line reference: OPX86A-33 ESE of SP 570

Completed by Shell Development (1969)
 Status = P&A

Lithostratigraphy by C. Lavin 1996
 Lithological interpretation WCR
 Palynology by Dettmann (1970), Morgan (1992)
 Produced by the Basin Studies Group 25-Oct-2001



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

trace	common
minor	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:

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. koronjense
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. cretaecum
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. 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
 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.

