

PRETTY_HILL_1

Location: OTWAY BASIN
 Latitude: -38.2218636 S
 Longitude: 142.124788 E

Total Depth Drilled (KB) = 2478 m
 KB Elevation = 61.9 m amsl
 Seismic line reference: OC93A-75 SP 286
 Completed by Frome-Broken Hill 1962
 Status = P&A

Lithostratigraphy by VIMP Report 15
 Lithological interpretation WCR
 Palynology by Partridge 1995, Morgan (1986, 1988, 1994a, 1994b 1995)
 Produced by the Basin Studies Group 25-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	
Marl	Sandstone, glauconitic	
	"Greensand"	
	1'bedded sandstone & mudstone	
	Siltstone	
	Mudstone (shale)	
	Mudstone, calcareous	
	Claystone	
	Coal	

Accessory minerals legend

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

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. hyperacantha
P. as = P. asperopolus	A. ho = A. homomorphom
M. di = M. diversus	E. cr = E. crassitabulata
L. ba = L. balmel	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. aceres
P. ma = P. mawsonii	I. ro = I. rotundatum
H. un = H. uniformis (A. di = A. distocaratus)	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. wonthaggiensis	
C. au = C. australiensis	
R. wa = R. watheroensis	

Palynologists' environments legend

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

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

