

# STONEYFORD-1

Location: Onshore Otway Basin  
 Latitude: 38 21 06.1 S  
 Longitude: 143 18 47.3 E

Total Depth Drilled (KB) = 1203 m  
 Depth logged (KB) = 1205.78 m

KB Elevation = 154 m amsl  
 Seismic line reference: 120m west of sp 496 Line 83-02

Completed January 29, 1984 by Gas and Fuel Exploration N.L.  
 Status = Plugged and abandoned

Lithostratigraphy from Stoneyford-1 WCR  
 Lithological interpretation by Natalia Liberman (2001)  
 Palynology by R. Morgan (1974)

Produced by the Basin Studies Group 06-Jul-2001 for Enclosure 5, VIMP 70



## Lithological legend

<b>Carbonate Lithotypes</b>	<b>Siliciclastic Lithotypes</b>	<b>Others</b>
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

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

## Palynological scheme legend

**SPORE-POLLEN:**

T. be	= T. bellus
P. tu	= P. tuberculatus
N. as	= N. asperus
P. as	= P. asperopolus
M. di	= M. diversus
L. ba	= L. balmei
F. lo	= F. longus
T. li	= T. lilliei
N. se	= N. senectus
T. ap	= T. apoxyxinus
P. ma	= P. mawsonii
H. un	= H. uniformis (A. di = A. distocarinatus)
P. pa	= P. pannosus
C. pa	= C. paradoxa
C. st	= C. striatus
C. hu	= C. hughesii
P. no	= P. notensis
F. wo	= F. wonthaggiensis
C. au	= C. australiensis
R. wa	= R. watheroensis

**DINOFLAGELLATES:**

W. th	= W. thompsonae
C. in	= C. incompositum
H. ta	= H. tasmaniense
D. he	= D. heterophlycta
A. hy	= A. hyperacantha
A. ho	= A. homomorphum
E. cr	= E. crassitabulata
T. ev	= T. evittii
P. py	= P. pyrophorum
M. dr	= M. druggii
I. ko	= I. koronenense
X. au	= X. australis
N. ac	= N. aceris
I. ro	= I. rotundatum
I. cr	= I. cretaceum
O. po	= O. porifera
C. st	= C. striatoconus
P. in	= P. infusorioides

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

## 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.

## 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

## Palynologists' environments legend

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

P.no - samples from core, SWC  
 N.B. Environments are based on spore-pollen/dino ratios.

## Palynology samples

