

# STONEYFORD-1

Location: Onshore Otway Basin  
 Latitude: -38.3501363 S  
 Longitude: 143.314536 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 by from WCR  
 Lithological interpretation by Natalia Liberman (2001)  
 Palynology by R. Morgan (1974)  
 Produced by the Basin Studies Group 06-Jul-2001

## Lithological legend

Carbonate Lithotypes	Siliciclastic Lithotypes	Others
Limestone	Conglomerate	I'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"	Extrusive rocks
		Mafic sills
		Plutonic rocks
		Metamorphic rocks

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

## Palynological scheme legend

SPORE-POLLEN:	DINOFLAGELLATES:
T. be = T. bellus	W. th = W. thompsonae
P. tu = P. tuberculatus	C. in = C. incompositum
N. as = N. asperus	H. ta = H. tasmaniense
P. as = P. asperopolus	D. he = D. heterophlycta
M. di = M. diversus	A. hy = A. hyperacantha
L. ba = L. balmei	A. ho = A. homomorphom
F. lo = F. longus	E. cr = E. crassitabulata
T. li = T. lillieii	T. ev = T. evittii
N. se = N. senectus	P. py = P. pyrophorum
T. ap = T. apoxyxinus	M. dr = M. druggii
P. ma = P. mawsonii	I. ko = I. korojenense
H. un = H. uniforma (A. di = A. distocarinatus)	X. au = X. australis
P. pa = P. pannosus	N. ac = N. aceris
C. pa = C. paradoxa	I. ro = I. rotundatum
C. st = C. striatus	I. cr = I. cretaceum
C. hu = C. hughesii	O. po = O. porifera
P. no = P. notensis	C. st = C. striatoconus
F. wo = F. wonthaggiensis	P. in = P. infusorioides
C. au = C. australiensis	R. wa = R. watheroensis

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	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 Oxidic - Subaerial environment

## 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.

