

PRINCES_1
 Location: OTWAY BASIN
 Latitude: 38.492222222222 S
 Longitude: 142.9888888889 E



Total Depth Drilled (KB) = 1150 m
 KB Elevation = 115.5 m amsl
 Seismic line reference: OB84B-12m SP905

Completed by BEACH PETROLEUM NL 1986
 Status = P&A

Lithostratigraphy by
 Lithological interpretation WCR0
 Palynology by Dettmann 1986
 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.

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. balmel
F. lo	= F. longus
T. li	= T. lillie
N. se	= N. senectus
T. ap	= T. apoxyxinus
P. ma	= P. mawsonii
H. un	= H. uniforma (A. di = A. distocarinus)
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:

C. in	= C. incompositum
D. he	= D. heterophylcta
A. hy	= A. hyperacantha
A. ho	= A. homomorphom
E. cr	= E. crassitabulata
T. ev	= T. evittii
M. dr	= M. druggii
I. ko	= I. korojenense
X. au	= X. australis
N. ac	= N. aceras
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
☼	CO ₂ 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

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

N.B. Environments are based on spore-pollen/dino ratios.

