

ROSS_CREEK_1

Location: OTWAY BASIN
 Latitude: 38.5325 S
 Longitude: 143.142777778 E

Total Depth Drilled (KB) = 3658 m; Depth Logged (KB) = m
 KB Elevation = 160.9 m amsl
 Seismic line reference: OB88C-07, SP655
 Completed by Shell Development 1974
 Status = P&A

Lithostratigraphy by GSV Report 103
 Lithological interpretation WCR
 Palynology by Wilschut 1974
 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"	

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.

Accessory minerals legend

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

Patterns indicate cuttings/core range & abundance
Arrowheads 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

Palynological scheme legend

SPORE-POLLEN:

T.be = T. bellus	P.tu = P. tuberculatus	D.he = D. heterophlyctis
N.as = N. asperus	N.sp = N. spirosporus	A.hy = A. hyperacantha
M.di = M. diversus	M.di = M. diversus	E.cr = E. crassitabulata
L.ba = L. balmei	L.ba = L. balmei	T.ev = T. evittii
F.lo = F. longus	F.lo = F. longus	M.dr = M. droggii
T.li = T. lilliei	T.li = T. lilliei	I.ko = I. korogense
N.se = N. senectus	T.ap = T. apocaryus	X.au = X. australis
T.ap = T. apocaryus	P.ma = P. mawsonii	N.ac = N. aceras
P.ma = P. mawsonii	H.un = H. uniformis (A. di = A. distocarinatus)	I.ro = I. rotundatum
H.un = H. uniformis (A. di = A. distocarinatus)	P.pa = P. pannosus	L.cr = L. crenatocum
P.pa = P. pannosus	C.pa = C. paradoxa	O.po = O. porifera
C.pa = C. paradoxa	C.st = C. striatus	C.st = C. striatococcus
C.st = C. striatus	C.hu = C. hughesii	P.in = P. infusoroides
C.hu = C. hughesii	P.no = P. notensis	
P.no = P. notensis	F.wo = F. worthagglensis	
F.wo = F. worthagglensis	C.au = C. australiensis	
C.au = C. australiensis	R.wo = R. wattercoensis	

DINOFLAGELLATES:

C.in = C. incompositum
D.he = D. heterophlyctis
A.hy = A. hyperacantha
A.ho = A. homomorphom
E.cr = E. crassitabulata
T.ev = T. evittii
M.dr = M. droggii
I.ko = I. korogense
X.au = X. australis
N.ac = N. aceras
L.cr = L. crenatocum
O.po = O. porifera
C.st = C. striatococcus
P.in = P. infusoroides

Palynologists' environments legend

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

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

