ANGLESEA-1

Location: Onshore Otway Basin
Latitude: 38 24 26 S
Longitude: 144 11 53 E
G.L. Elevation = 19.83 m
KB Elevation = 23.8 m amsl
Total Depth Drilled (KB) = 3067.8 m
Depth logged (KB) = 3063.09 m
Seismic line reference: 76.6 m from sp 9.0 of line 0DNL60A-L to the NW
Completed November 9, 1962 by Oil Development N.L.
Status = Plugged & abandoned

Lithostratigraphy by C. Abele (1995)
Lithological interpretation by Natalia Liberman (1998)
Palynology by A. Partridge (1993), updated by R. Morgan (1997)
Produced by the Basin Studies Group 19-May-99 for Enclosure 2, VIMP 70

State Government Victoria AUSTRALIA
Department of Primary Industries

Lithological legend

Carbonate Lithotypes: Limestone; Limestone, sandy; Limestone, dolomitic; Dolomite; Dolomite, calcareous; Marl

Siliciclastic Lithotypes: Conglomerate; Sandstone, pebbly; Sandstone; Sandstone, calcareous; Sandstone, argillaceous; Sandstone, glauconitic; "Greensand"; I'bedded sandstone & mudstone; Siltstone; Mudstone (shale); Mudstone, calcareous; Claystone; Coal

Others: Extrusive rocks; Mafic sills; Plutonic rocks; Metamorphic rocks

N.B. Not all lithological patterns 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; minor; common; abundant

Pristane/Phytane Legend

< 1.5 Anoxic - Subaqueous (lacustrine or marine)
1.5 - 3.0 Trans - Transitional environment
> 3.0 Oxic - Subaerial environment

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. apoxyexinus
P. ma	= P. mawsonii
H. un	= H. uniforma (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. watherooensis

DINOFLAGELLATES:

W. th	= W. thompsonae
C. in	= C. incompositum
H. ta	= H. tasmaniense
D. he	= D. heterophylcta
A. hy	= A. hyperacantha
A. ho	= A. homomorphom
E. cr	= E. crassitabulata
T. ev	= T. evittii
P. py	= P. pyrophorum
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.

Palynologists' environments legend

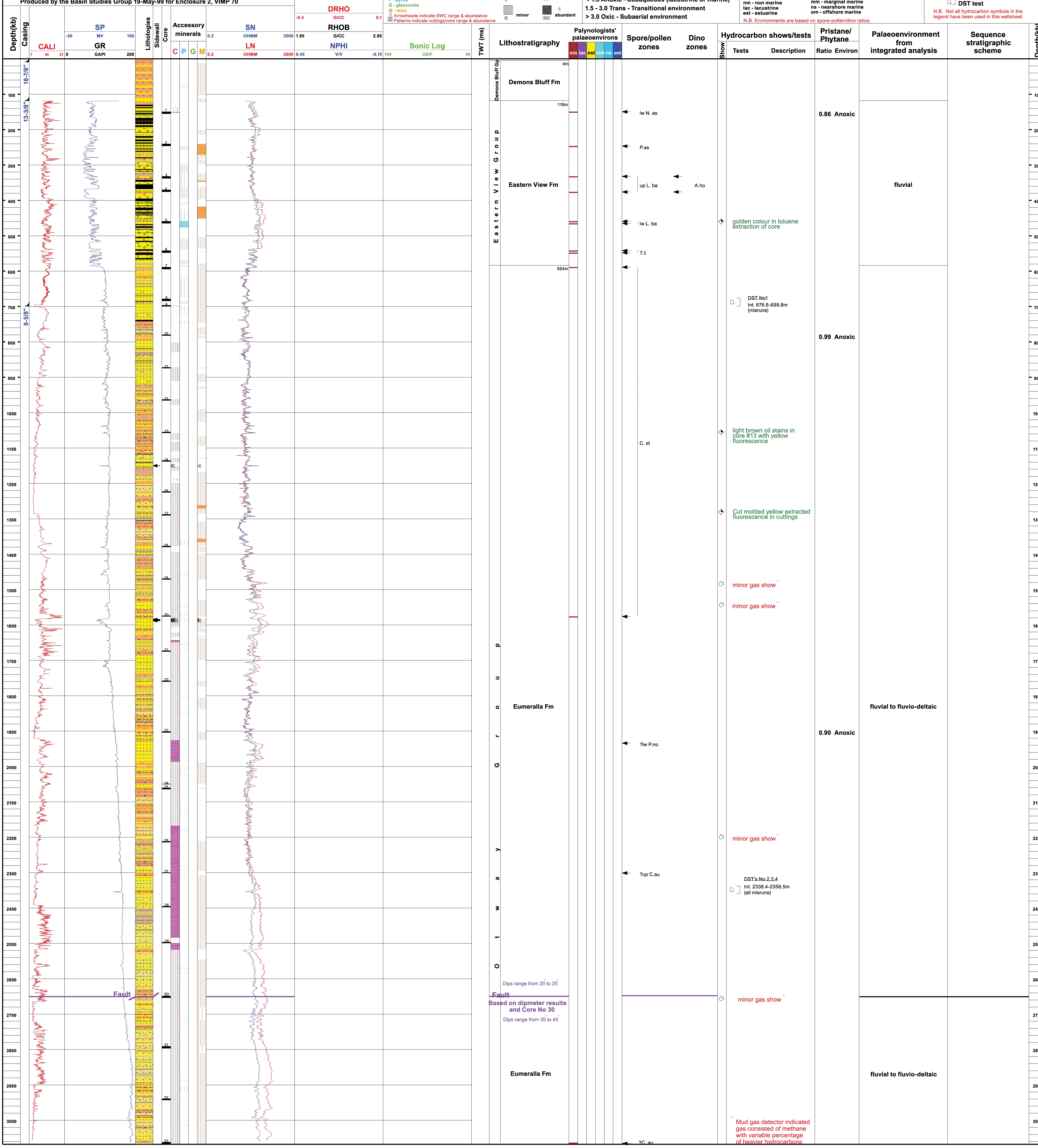
nm - non marine
lac - lacustrine
est - estuarine
mm - marginal marine
ns - nearshore marine
om - offshore marine

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

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
Fault
RFT test
DST test

N.B. Not all hydrocarbon symbols in the legend have been used in this wellsheet.


Depth(kb)
Casing
CALI 7 IN 21
SP -50 MV 100
GR 0 GAPI 200
Lithologies
Sidewall
Core
Accessory minerals
C P G M
SN 0.2 OHMM 2000
LN 0.2 OHMM 2000
DRHO -0.4 G/CC 0.1
RHOB 1.95 G/CC 2.95
NPHI 0.45 V/V -0.15
Sonic Log 140 US/F 40
TWT (ms)
Lithostratigraphy
Palynologists' palaeoenvirons
nm lac est mm ns om
Spore/pollen zones
Dino zones
Hydrocarbon shows/tests
Show
Tests
Description
Pristane/ Phytane
Ratio Environ
Palaeoenvironment from integrated analysis
Sequence stratigraphic scheme
18-7/8"
13-3/8"
9-5/8"
Demons Bluff Gp
Demons Bluff Fm
4m
118m
Eastern View Group
Eastern View Fm
584m
Otway Group
Eumeralla Fm
lw N. as
P.as
up L. ba
A.ho
lw L. ba
T.li
C. st
?lw P.no
?up C.au
?C. au
golden colour in toluene extraction of core
DST No1
Int. 676.6-699.8m
(misruns)
light brown oil stains in core #13 with yellow fluorescence
Cut mottled yellow extracted fluorescence in cuttings
minor gas show
minor gas show
minor gas show
DST's No 2,3,4
Int. 2338.4-2358.5m
(all misruns)
minor gas show
Mud gas detector indicated gas consisted of methane with variable percentage of heavier hydrocarbons
0.86 Anoxic
0.99 Anoxic
0.90 Anoxic
fluvial
fluvial to fluvio-deltaic
fluvial to fluvio-deltaic
Fault
Dips range from 20° to 25°
Fault
Based on dipmeter results and Core No 30
Dips range from 35° to 45°