



WELL
COMPANY
COUNTY
STATE

MACKEREL NO. 4
ESSO AUSTRALIA LTD.
GIPPSLAND BASIN
VICTORIA

LEGEND
DEPTH CORRESPONDS TO DRILL
PIPE MEASUREMENTS.
NB NEW BIT
NCB NEW CORE BIT
DST DRILL STEM TEST
NR NO RETURNS
TG TRIP GAS
CO CIRCULATE OUT RETURNS

LITHOLOGY
SAND
GRANITE WASH
LIME STONE
CHERT
SHALE
GYP ANHYDRITE
DOLOMITE
LIGNITE

24 of 27

CUTTINGS ANALYSIS

TOTAL GAS _____
METHANE _____
LIQUID HYDROCARBONS
(C₆₊) _____

DRILLING RATE

FT PER HR MIN PER FT

150 100 50

VISUAL
POROSITY
GST

LITHOLOGY

ppm HYDROCARBONS IN MUD M=1000

C₁ C₂ C₃ C₄ C₅₊
IM 5M 10M 0 IM 0 IM 0 IM 0 IM
OIL TSG 25 50 75 2500 25 OIL TSG 25 50 75

NCB-1, C19

29-4-73

RR CB-1

30-4-73, 1-5-73

NCB-2, C22

RR CB-2

RR CB-1

2-5-73

RR CB-1

RR CB-2

3-5-73

RR CB-2

4-5-73

NB-8, J33

N.R.

N.R.

N.R.

N.R.

N.R.

0

1

2

3

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50

TG-15

TG-8

TG-15

TG-10

TG-7

TG-5

TG-6

TG-5

TG-10

CORE NO. 1 7797' - 7806'

CORE NO. 2 7806' - 7825'

CORE NO. 3 7825' - 7831'

CORE NO. 4 7831' - 7832'

CORE NO. 5 7832' - 7842'

CORE NO. 6 7842' - 7865'

CORE NO. 7 7865' - 7888'

CORE NO. 8 7888' - 7917'

CUT 9' REC. 1'

CUT 19' REC. -

CUT 6' REC. 6'

CUT 1' REC. -

CUT 10' REC. 10'

CUT 23' REC. 9'

CUT 23' REC. 15'

CUT 29' REC. -

SD-(CORE NO. 1) CLR-

WH QTZ, F-VG GR,

P-W SRT, SA-SR(PRED

RD), GLAUC, PYR, FRIA

UNCON, LT BRN STAIN

BRI GLD FLOR W/BL-

WH FAST CUT, GD

VIS 0-K

SD-(CORE 6-7) CLR-WH

F GR QTZ, W/WH DOL

MATRIX, TT, HD

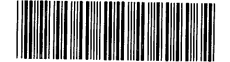
SEE CORE ANALYSIS

SHEET FOR FURTHER

INFO., H₂S BACKGROUND

WHILE CORING 4-10PPM

DEPT. NAT. RES & ENV



PE603355