

WELL : MUDSKIPPER-1
 LOCATION : 038° 54' 31.500 S
 148° 07' 55.800 E
 COMPANY : PETROFINA EXPLORATION
 AUSTRALIA S.A.

SYNTHETIC SEISMOGRAM (MARINE)
 CONVOLVED RESPONSES (MINIMUM PHASE)

DATA PARAMETERS
 PRINCIPAL DATA : CALIBRATED SONIC LOG
 SUPPLEMENTARY DATA : DENSITY LOG
 SEISMIC SECTION : GF88C-19
 LOG DATA DIGITISING : CONTINUOUSLY IN DEPTH
 SOURCE TYPE : VSX SLEEVE GUNS
 SOURCE DEPTH : 6 M
 DETECTOR DEPTH : 8 M
 SYNTHETIC TIME-LAYER INTERVAL : 2MS TWO-WAY IN METRES
 DEPTH SCALE : NON-LINEAR IN METRES
 TWO-WAY TIME SCALE : 10 CM/SEC
 DATUM : MSL
 WATER DEPTH : 101 M
 SURFACE REFLECTION COEFFICIENT : 0.18
 POLARITY : INCREASE IN ACOUSTIC IMPEDANCE REPRESENTED BY A WHITE TROUGH

VELOCITY MODEL
 DEPTH (M BELOW MSL) : VELOCITY (M/S)
 0 - 101.0 : 1524.0
 101.0 - 323.1 : 2145.1

CONVOLUTION WAVELET
 55 HZ MINIMUM PHASE RICKER & THE FOLLOWING TIME VARIANT FILTER :
 AT 0.0 S : 24 90 HZ B 72 DB/OCT
 AT 2.0 S : 24 80 HZ B 72 DB/OCT
 LINEAR OVERLAP BETWEEN FILTERS

REMARKS
 THE REFLECTION COEFFICIENTS GENERATED AT THE TOP OF THE RECORDED LOG ARE CONSIDERED UNREPRESENTATIVE AND HAVE NOT BEEN INCLUDED IN THE PRODUCTION OF THE SYNTHETIC SEISMOGRAM

SEISMOGRAPH SERVICE - BOREHOLE GEOPHYSICS DIVISION

DIP - LITHOLOGY

