

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 (ZERO PHASE)

DATA PARAMETERS
 PRINCIPAL DATA : CALIBRATED SONIC LOG
 SUPPLEMENTARY DATA : DENSITY LOG
 SEISMIC SECTION : GF88C-19
 LOG DATA DIGITIZING : CONTINUOUSLY IN DEPTH
 SOURCE TYPE : V5X SLEEVE GUNS
 SOURCE DEPTH : 6 M
 SENSITIVE DEPTH : 8 M
 SENSITIVE TIME-LAYER INTERVAL : 101 M
 DEPTH SCALE : NON-LINEAR IN METRES
 TWO-WAY TIME SCALE : 20 CM/SEC
 DATUM : MSL
 WATER DEPTH : 101 M
 SURFACE REFLECTION COEFFICIENT : 0.48
 POLARITY : INCREASE IN ACOUSTIC IMPEDANCE
 REPRESENTED BY A BLACK PEAK

VELOCITY MODEL
 DEPTH (M BELOW MSL) : VELOCITY (M/S)
 0 - 101.0 : 1524.0
 101.0 - 323.1 : 2149.0

CONVOLUTION WAVELET
 55 HZ ZERO PHASE RICKER & THE FOLLOWING TIME VARIANT FILTER :
 AT 0.0 S : 24 90 HZ 8 72 DB/OCT
 AT 2.0 S : 24 80 HZ 8 72 DB/OCT
 LINEAR OVERLAP BETWEEN FILTERS

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

SEISMOGRAPH SERVICE - BOREHOLE GEOPHYSICS DIVISION

