

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 : GUN LOG
 SEISMIC SECTION : CONTINUOUSLY IN DEPTH
 LOG DATA DIGITIZING : VSX SLEEVE GUNS
 SOURCE TYPE : 6 M
 SOURCE DEPTH : 8 M
 SYNCHRONIZATION : 2MS TWO-WAY
 TIME-LAYER INTERVAL : 20 CM/SEC
 DEPTH SCALE : LINEAR IN METRES
 TWO-WAY TIME SCALE : MSL
 DATUM : 101 M
 WATER DEPTH : 0.1B
 SOURCE REFLECTION COEFFICIENT : INCREASE IN ACOUSTIC IMPEDANCE
 POLARITY : REPRESENTED BY A WHITE TROUGH

VELOCITY MODEL
 DEPTH (M BELOW MSL) : VELOCITY (M/S)
 0 - 101.0 : 1524.0
 101.0 - 323.1 : 2149.1

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
 AREA CONSIDERED UNREALISTIC AND HAVE NOT BEEN INCLUDED IN THE
 PRODUCTION OF THE SYNTHETIC SEISMOGRAM

SEISMOGRAPH SERVICE - BOREHOLE GEOPHYSICS DIVISION

