

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
 SUPPLEMENTARY DATA
 SEISMIC SECTION
 LOG DATA DIGITISING
 SOURCE TYPE
 SOURCE DEPTH
 DETECTOR DEPTH
 SYNTHETIC TIME-LAYER INTERVAL
 DEPTH SCALE
 TWO-WAY TIME SCALE
 DATUM DEPTH
 WATER DEPTH
 SURFACE REFLECTION COEFFICIENT
 POLARITY

..... CALIBRATED SONIC LOG
 DENSITY LOG
 GF88C-19
 CONTINUOUSLY IN DEPTH
 VSX SLEEVE GUNS
 6 M
 8 M
 2MS TWO-WAY
 NON-LINEAR IN METRES
 10 CM/SEC
 MSL
 101 M
 0.18
 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 2145.0

CONVOLUTION WAVELET
 55 HZ MINIMUM 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

