

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

SEISMOGRAPH SERVICE - BOREHOLE GEOPHYSICS DIVISION

DIP - LITHOLOGY

