



PE601581

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

> VERTICAL SEISMIC PROFILE <  
 DISPLAY VB2  
 DOWNGOING WAVEFIELD  
 ZERO PHASE SEISMIC MATCH FILTER  
 POLARITIES SEG NORMAL & SEG REVERSE

TIME SCALE : 10 CM/S  
 DEPTH SCALE : 1:10000  
 DATE PROCESSED : JULY 1990

## FIELD ACQUISITION

SURVEY DATE : JUNE 1990  
 SOURCE : AIRGUN  
 SOURCE DEPTH : 5.0 M BELOW MSL  
 SOURCE OFFSET : 60.8 M  
 SOURCE DIRECTION : 170 DEG N  
 SOURCE MONITOR : NEAR FIELD HYDROPHONE  
 MONITOR DEPTH : 10.0 M BELOW MSL  
 WELL GEOPHONE : SAT  
 RECORDING EQUIPMENT : SCHLUMBERGER CSU  
 SAMPLE RATE : 1 MS  
 WATER DEPTH : 101.0 M  
 VSP DATUM : MSL  
 REFERENCE LEVEL : KB AT 27.0 M ABOVE MSL

## VSP PROCESSING SEQUENCE

EDIT  
 AUTOMATED TRACE ALIGNMENT  
 STACK OF CONSTANT DEPTH TRACES  
 SOURCE SIGNATURE DECONVOLUTION (330 MS WINDOW)  
 AMPLITUDE RECOVERY PROPORTIONAL TO T  
 PRELIMINARY BANDPASS FILTER 3,5 - 100, 130 HZ  
 FIRST ARRIVALS SHIFTED TO ALIGN AT 0.1 SEC  
 DIP FILTER (5 SAMPLE MEDIAN OPERATOR, 0 MS/TRACE DIP)  
 POST MEDIAN FILTER 2,4 - 110 140 HZ  
 TRACE EQUALISATION (50 MS WINDOW, 25 MS OVERLAP)

POLARITIES - SEG NORMAL &amp; SEG REVERSE

SEISMOGRAPH SERVICE - BOREHOLE GEOPHYSICS DIVISION

