

X

DEPT. NAT. RES & ENV  
PE601776



SEISMOGRAPH SERVICE (ENGLAND) LTD.

COMPANY : PHILLIPS AUSTRALIAN OIL COMPANY

WELL : HELIOS No.1

OIL and GAS DIVISION

SYNTHETIC SEISMOGRAM

0 1 MAR 1983

SURFACE REFLECTION COEFFICIENT OF 0.18  
INCREASE IN ACOUSTIC IMPEDANCE REPRESENTED BY WHITE TROUGH  
TIME SCALE: 1S = 10cm

CONVOLUTION WITH A 25HZ ZERO PHASE RICKER WAVELET  
AND THE FOLLOWING TIME VARIANT BAND PASS FILTER  
AT WB + 1.2 S 8/15 - 55/65 HZ  
AT WB + 1.5 S 5/10 - 50/60 HZ  
AT WB + 1.8 S 3/5 - 45/55 HZ  
AT WB + 2.4 S 3/5 - 40/50 HZ  
LINEAR OVERLAP BETWEEN FILTERS

CONVOLUTION WITH A 25HZ MINIMUM PHASE RICKER WAVELET  
AND THE FOLLOWING TIME VARIANT BAND PASS FILTER  
AT WB + 1.2 S 8/15 - 55/65 HZ  
AT WB + 1.5 S 5/10 - 50/60 HZ  
AT WB + 1.8 S 3/5 - 45/55 HZ  
AT WB + 2.4 S 3/5 - 40/50 HZ  
LINEAR OVERLAP BETWEEN FILTERS

