

W783 DISCOVERY BAY-1
W.C.R.
Addendum 4



SEISMOGRAPH SERVICE (ENGLAND) LTD.

COMPANY: PHILLIPS AUSTRALIAN OIL COMPANY

WELL : DISCOVERY BAY No 1

SYNTHETIC SEISMOGRAM

SURFACE REFLECTION COEFFICIENT OF 0.18
INCREASE IN ACOUSTIC IMPEDANCE REPRESENTED BY BLACK PEAK
TIME SCALE: 1S = 5 cm

CONVOLVED WITH A ZERO PHASE 25 HZ RICKER WAVELET AND
THEN CONVOLVED WITH THE FOLLOWING TIME VARIANT FILTER

AT 0.0 SEC 12 - 55 HZ
AT WB+0.6 SEC 10 - 50 HZ
AT WB+1.6 SEC 8 - 40 HZ
AT WB+2.7 SEC 6 - 30 HZ

CONVOLVED RESPONSES WITHOUT SOURCE GHOSTS

CONVOLVED WITH A MINIMUM PHASE 25 HZ RICKER WAVELET AND
THEN CONVOLVED WITH THE FOLLOWING TIME VARIANT FILTER

AT 0.0 SEC 12 - 55 HZ
AT WB+0.6 SEC 10 - 50 HZ
AT WB+1.6 SEC 8 - 40 HZ
AT WB+2.7 SEC 6 - 30 HZ

CONVOLVED RESPONSES WITHOUT SOURCE GHOSTS

