DEPT. NAT. RES & ENV
PE601775

SEISMOGRAPH SERVICE (ENGLAND) LTD.

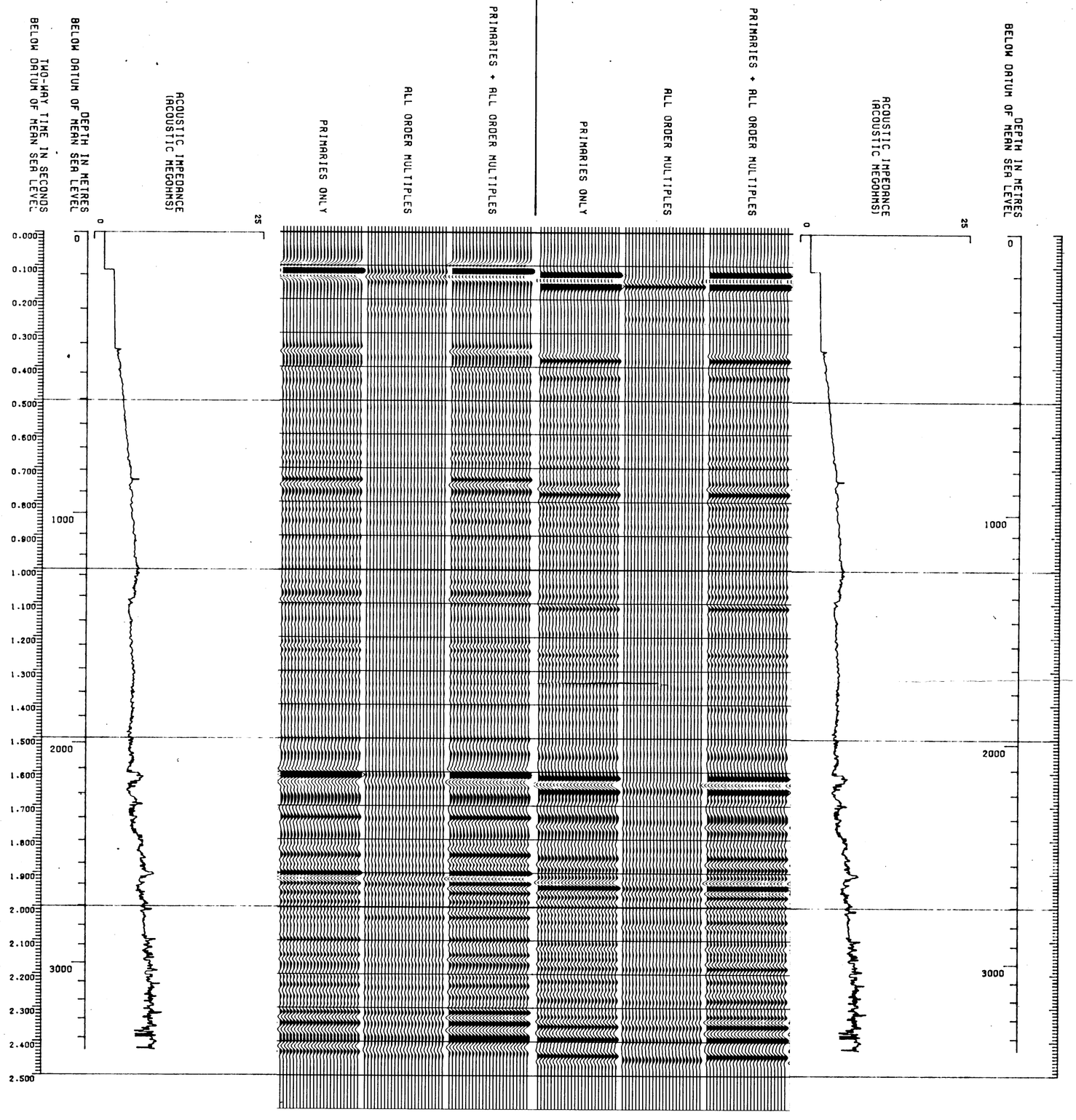
COMPANY : PHILLIPS AUSTRALIAN OIL COMPANY

WELL : HELIOS No.1

SYNTHETIC SEISMOGRAM

OIL and GAS DIVISION
0 1 MAR 1983

SURFACE REFLECTION COEFFICIENT OF 0.18
INCREASE IN ACOUSTIC IMPEDANCE REPRESENTED BY BLACK PEAK
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