



Synsograph Service (England) Limited

**SYNTHETIC SEISMOGRAM**

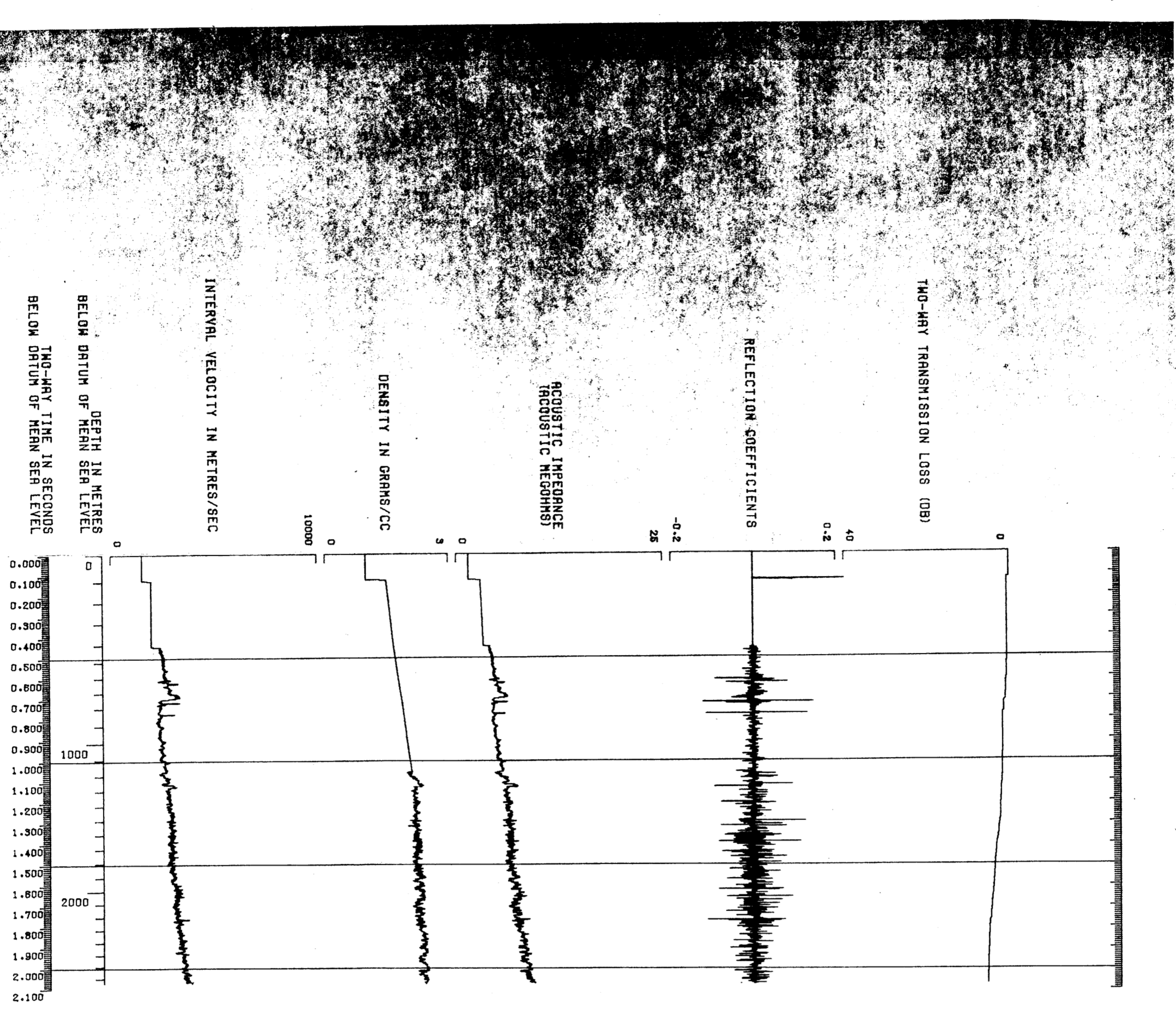
**MARINE**

FILE NO.	COMPANY	PHILIPS AUSTRALIAN OIL COMPANY
WELL	DISCOVERY BAY NO1	
FIELD	WILDCAT	
COUNTRY	AUSTRALIA (OFFSHORE)	
LOCATION:	38° 24' 42.944" S 141° 04' 20.598" E	

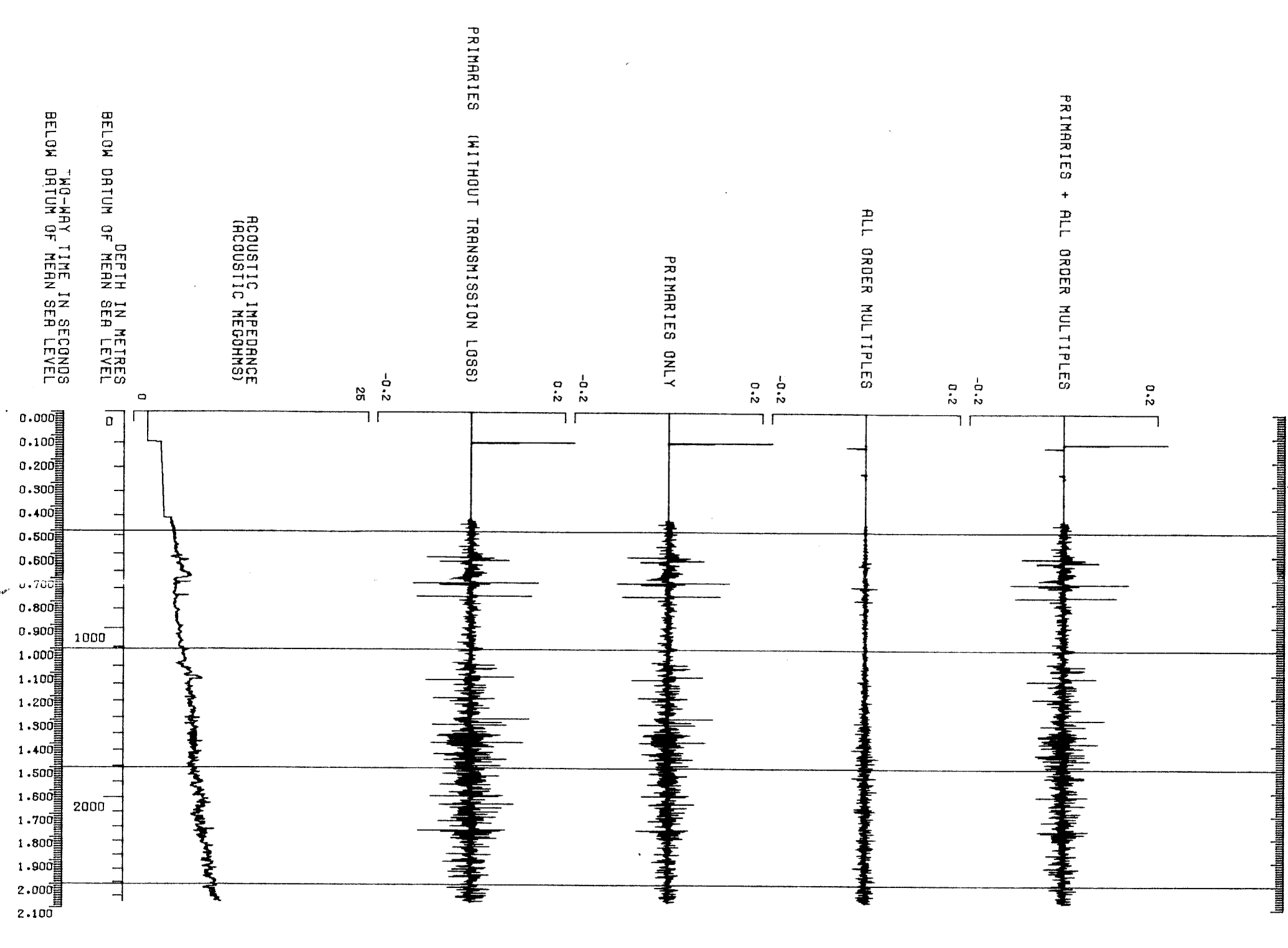
SOURCE OF PRINCIPAL DATA	CALIBRATED SONIC LOG
SOURCE OF SUPPLEMENTARY DATA	CLIENT DENSITY LOG
SOURCE AND TYPE	AIRGUN ARRAY
DEPTH OF SOURCE	6 m
DEPTH OF DETECTOR	13 m
SYNTHETIC TIME-LAYER INTERVAL	.0025 TWO-WAY
BASIC DATA DIGITISED	CONTINUOUSLY IN DEPTH
DEPTH SCALE	NON LINEAR IN METRES
TWO-WAY TIME SCALE	5 CM/S
DATUM	MST
WATER VELOCITY	1524 m/s
DEPTH OF WATER	95.6 m
VELOCITY MODEL:	from seabed to top of log at 1954 m/s

REMARKS: The reflection coefficient produced by the velocity interface at the synthetic seismogram and has not been included in the Synthetic Seismogram.

M 4634



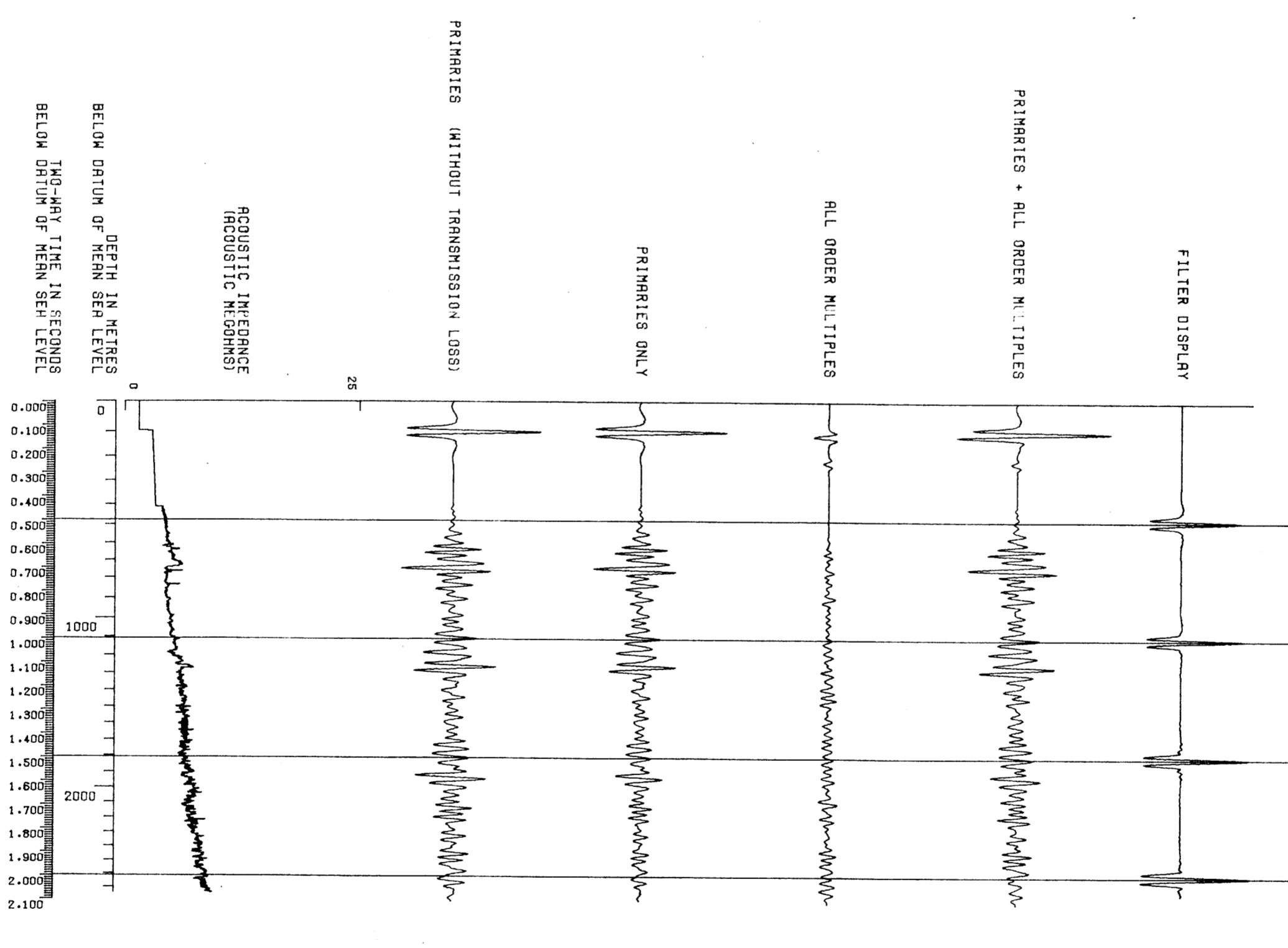
SPIKE RESPONSES WITHOUT SOURCE GHOSTS



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

T	0.0	55	12
T	0.0	50	10
T	0.0	40	10
T	1.1	40	10
T	2.7	30	10

CONVOLVED RESPONSES WITHOUT SOURCE GHOSTS



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

T	0.0	12	11
T	0.0	55	11
T	0.0	50	11
T	1.1	40	11
T	2.7	30	11

CONVOLVED RESPONSES WITHOUT SOURCE GHOSTS

