W783 Discovery Bay-1 W.C.R.

Seismograph Service (England) Limited

SYNTHETIC SEISMOGRAM

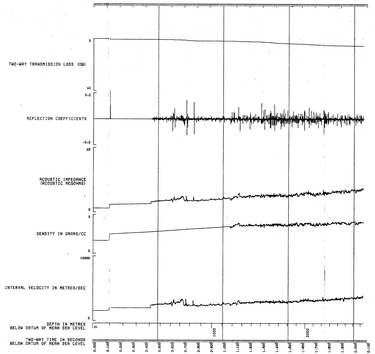
MARINE

FILING No.	
COMPANY	PHILLIPS AUSTRALIAN OIL COMPANY
WELL	DISCOVERY BAY No 1
FIELD	WILDCAT
COUNTRY	AUSTRALIA OFFSHORE
LOCATION:	38° 24' 42.964" S, 141° 04' 20.588" E
SOURCE OF PRINCIPAL DATA	CALIBRATED SONIC LOG
SOURCE OF SUPPLEMENTARY DATA	CLINST. DENSITY LOG
SOURCE AND TYPE	AIRGUN ARRAY
DEPTH OF SOURCE	4 m
DEPTH OF DETECTOR	13 m
SYNTHETIC TIME-LAYER INTERVAL	1/25th TWO-WAY
BASIC DATA DIGITISED	CONTINUOUSLY IN DEPTH
DEPTH SCALE	NOT USUAL IN METRES
TWO-WAY TIME SCALE	10 cm/s
DATUM	MSL
WATER VELOCITY	1524 m/s
DEPTH OF WATER	86.8 m

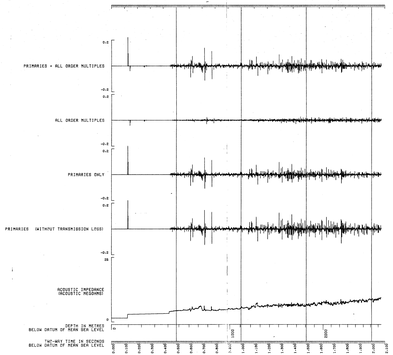
VELOCITY MODEL: from sealed to top of log at 1934 m/s

REMARKS: The reflection coefficient produced by the velocity interface at the top of the log is unrealistic and has not been included in the Synthetic Seismogram.

W4634



SPIKE RESPONSES WITHOUT SOURCE GHOSTS



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

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