

Schlumberger
 MELBOURNE LOG
 INTERPRETATION
 CENTRE
 SEPT. NAT. RES. & ENV.
 PE605583

GEOGRAM*

(Synthetic Seismogram)

35 Zero Phase RICKER Wavelet Plot 5

* A Mark of Schlumberger

Company: 35 Zero Phase RICKER Wavelet Plot 5
 Well: IONA OBS-1
 Field: IONA
 Country: AUSTRALIA
 Reference No: Interval: 1540.46 to 698.00
 Date Logged: 24-FEB-1999 Date Processed: N.A.
 Location: Latitude: Longitude:
 Elevations: KB: 137.50 DF: 137.20 GL: 132.50
 Permanent Datum: MSL Depth Units: METRES

LOG INFORMATION

FIELD RECORDING: Engineer: R. GERHART Location: Program Version: 700-427
 COMPUTATION: Analyst: Y.SOLOVVOV Centre: SYJ Baseline: 20.5

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 137.50
 Seismic Reference Datum: 0.00
 Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES
 Two-Way Time Sample Interval: 1 ms Environment: YES

True Vertical Depth Corrections Applied: YES
 Source of True Vertical Depth Data:
 Maximum Hole Deviation: 40

Run	Date	Tool Type	Bit Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	25-08-95	DL-LDL-GR	17.5 IN	13.3 IN	106 M	656 M
2	12-09-95	DL-LDL-GR	12.2 IN	13.3 IN	656 M	2785 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	15-08-95	590 M	590 M	-101.9 M BELOW MSL	-102.4 M BELOW MSL	127 DEG	127 DEG

GEOGRAM MODEL ASSUMPTIONS

Equal time slice model of horizontal plane layers.
 Plane acoustic waves at normal incidence.
 No intrinsic attenuation.

POLARITY

An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.

SIGNATURES

All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in acoustic impedance with depth).

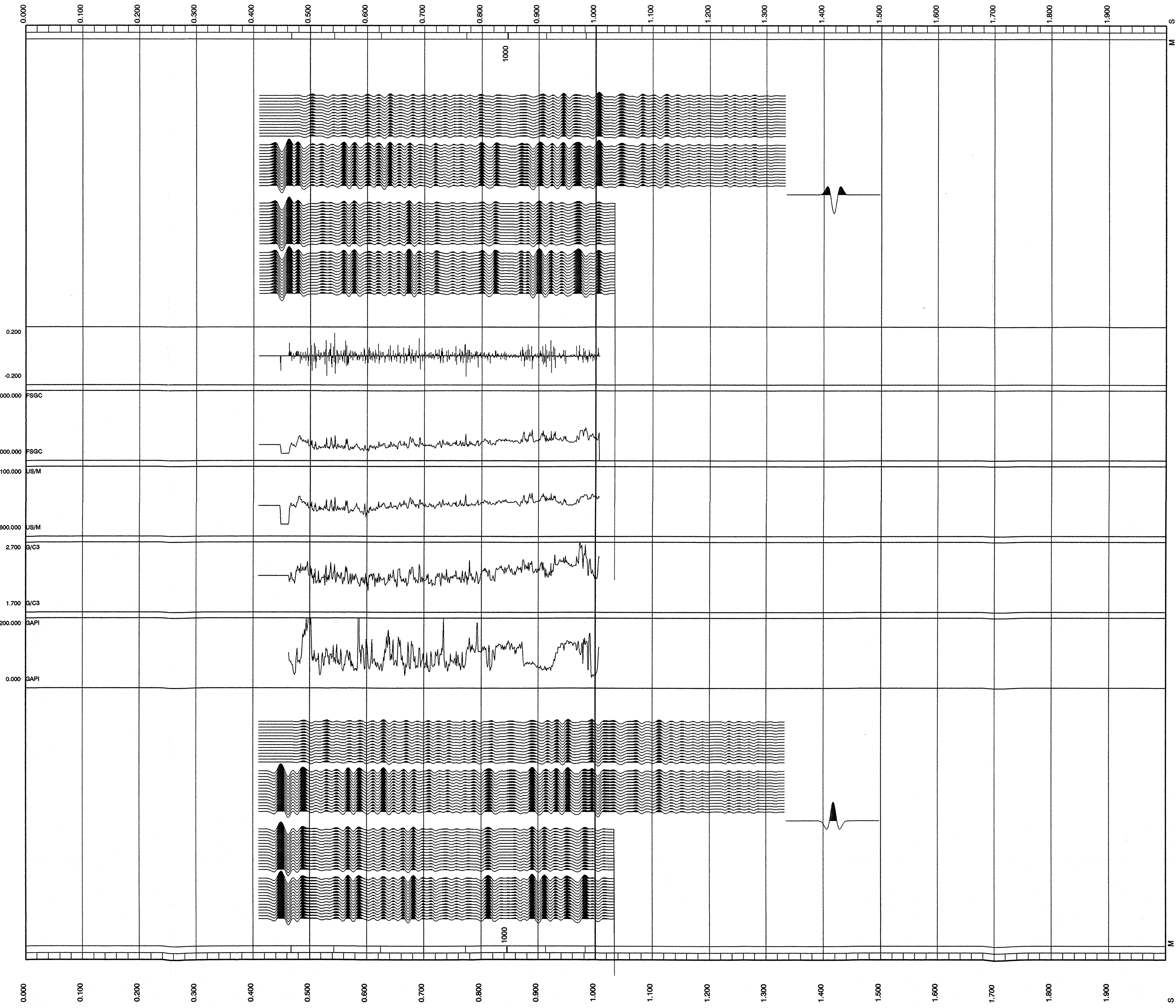
REMARKS

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** GEOGRAM **
 35 HERTZ ZERO PHASE
 RICKER WAVELET
 VERTICAL SCALE = 25 CM/SEC

MULTIPLES ONLY REVERSE POLARITY
PRIMARIES AND MULTIPLES REVERSE POLARITY
PRIMARIES WITH TRANSMISSION LOSS REVERSE POLARITY
PRIMARIES REVERSE POLARITY
REFLECTION
ACOUSTIC IMPEDANCE
SONIC
DENSITY
GAMMA RAY
MULTIPLES ONLY NORMAL POLARITY
PRIMARIES AND MULTIPLES NORMAL POLARITY
PRIMARIES WITH TRANSMISSION LOSS NORMAL POLARITY
PRIMARIES NORMAL POLARITY



COMPANY W.U.G.S.
 FIELD IONA
 WELL IONA OBS-1
 COUNTRY AUSTRALIA

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