

GEOGRAM*

(Synthetic Seismogram)

* A Mark of Schlumberger

Company: BHP PETROLEUM
 Well: LA BELLA-1
 Field: WILDCAT
 Country: AUSTRALIA
 Reference No: 560875 Interval: 2743.00 to 620.00
 Date Logged: 11-FEB-1993 Date Processed: 17/2/92
 Location: 39 00' 14.2" S 142 41' 42.9" E
 Elevations: KB: 25.30 DF: 25.00 GL: -95.00
 Permanent Datum: MSL Depth Units: METRES

LOG INFORMATION

FIELD RECORDING Engineer: M.HELWIG Location: Program Version: 580-325
 COMPUTATION Analyst: Z.KATELIS Centre: SYJ Baseline: 20 2

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.00
 Seismic Reference Datum: 0.00
 Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES

Two-Way Time Sample Interval: 2 ms Environment:

True Vertical Depth Corrections Applied:
 Source of True Vertical Depth Data:
 Maximum Hole Deviation: 0

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
1	30-1-93	AS			1787	120
2	8-2-93	SDT			2375	1765.5

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	30-JAN-1993	47 M	47 M	10 M BELOW MSL	17 M BELOW MSL	50.0	50.0
2	11-FEB-1993	47 M	47 M	10 M BELOW MSL	17 M BELOW MSL	50.0	50.0

GEOGRAM MODEL ASSUMPTIONS

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

POLARITY

An ongoing 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

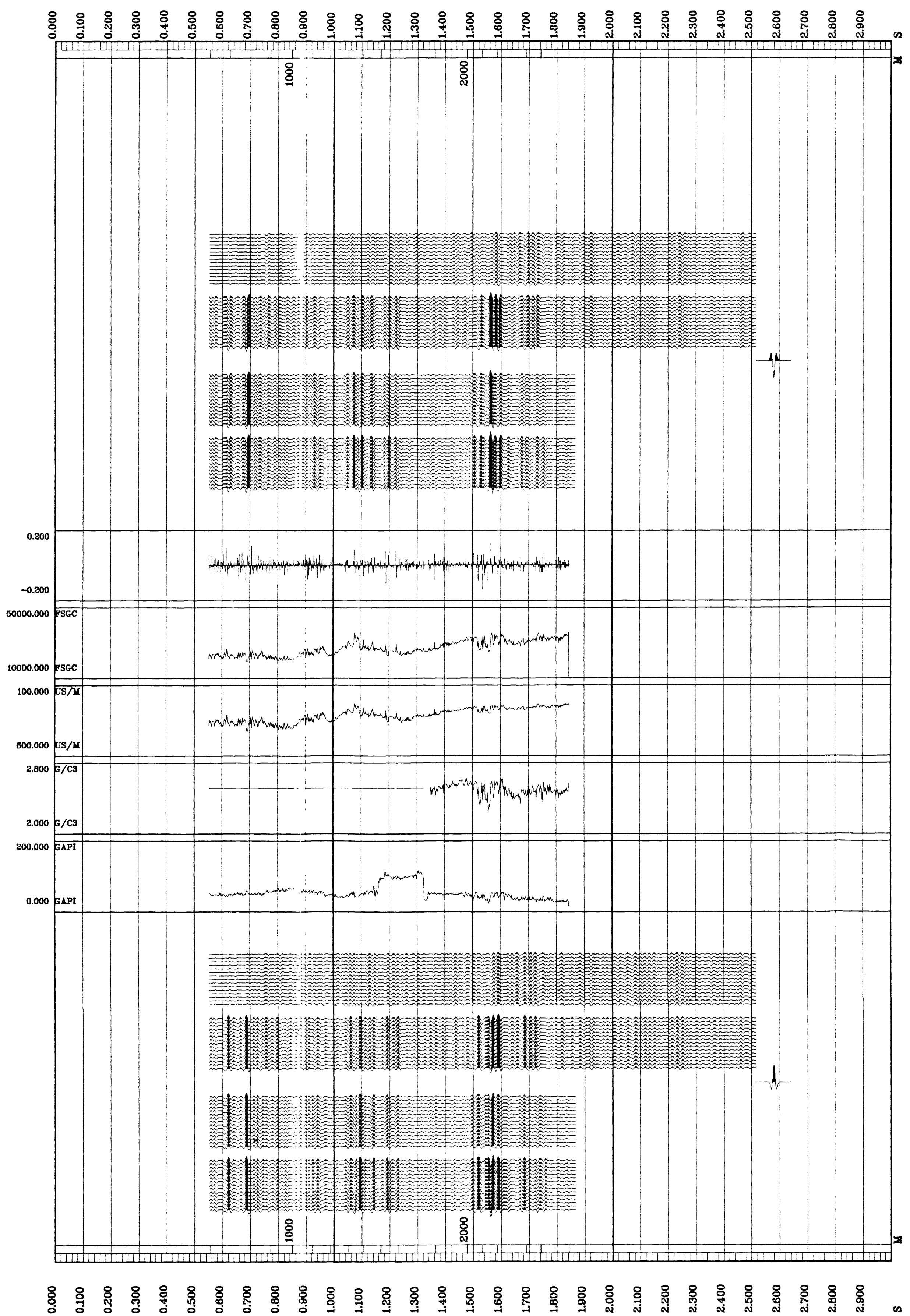
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All interpretations are opinions based on references from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damage or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

** GEOGRAM **

45 HERTZ ZERO PHASE RICKER WAVELET LA BELLA-1

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 BHP PETROLEUM
 FIELD WILDCAT
 WELL LA BELLA-1
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