

GEOGRAM*

(Synthetic Seismogram)

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	9-2-93	SOT			2375	1786.5

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 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

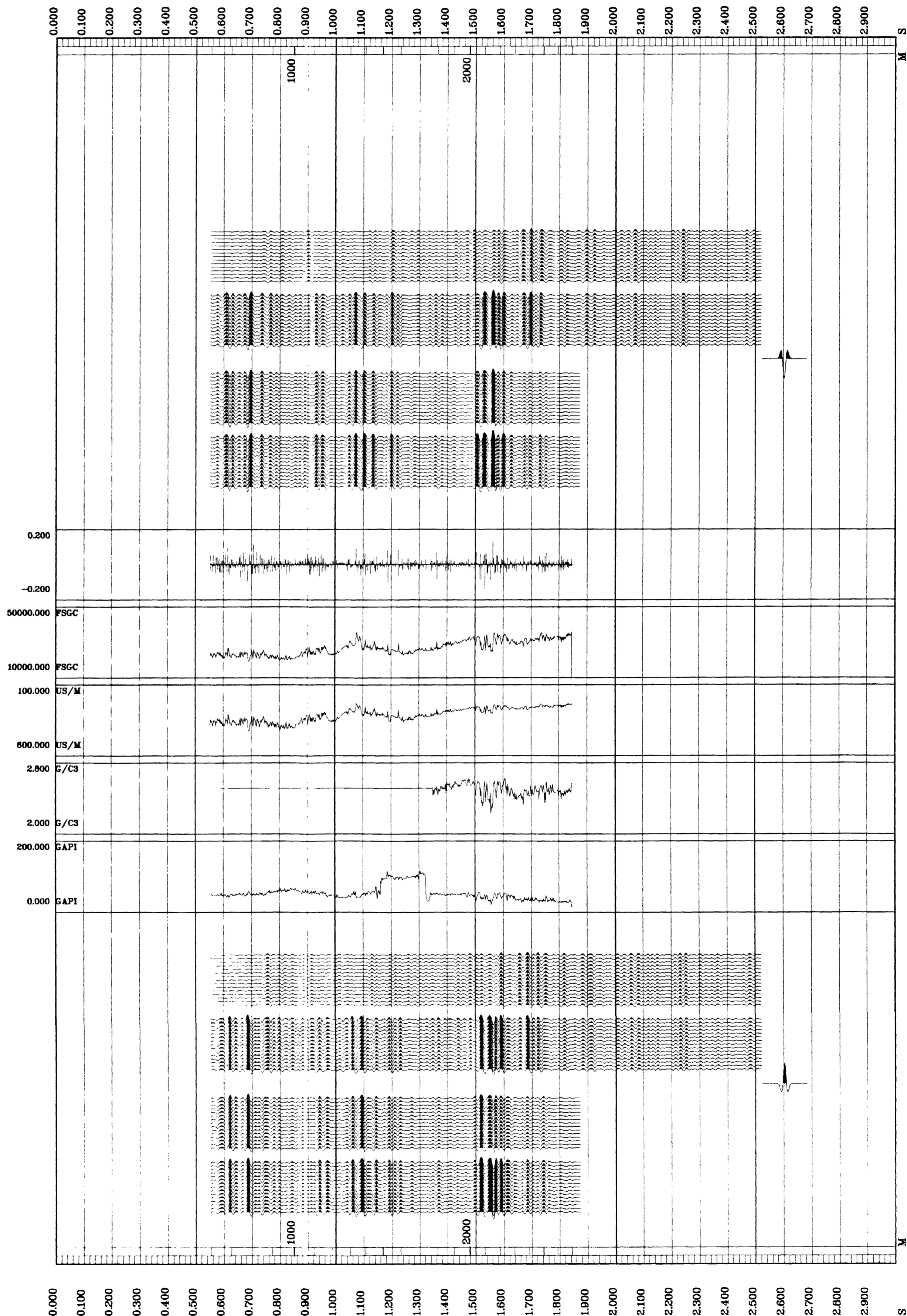
The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on information from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any measurements or interpretations. We accept no liability for any loss, costs, damages or expenses incurred or sustained by anyone, resulting from any use of the information or for other reasons. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

GEOGRAM **

**35 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
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PRIMARIES NORMAL POLARITY



COMPANY BHP PETROLEUM
 FIELD WILDCAT
 WELL LA BELLA-1
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