



# GEOGRAM\*

(Synthetic Seismogram)

\* A Mark of Schlumberger

Company: PETROFINA EXP. AUST. S.A.  
 Well: AYU #1  
 Field: EXPLORATION  
 Country: AUSTRALIA  
 Reference No: 56561 Interval: 2725.00 to 500.00  
 Date Logged: 14 FEB 90 Date Processed: 24/2/90  
 Location: 38 36'35.0168" S 148 17'2.6560" E  
 Elevations: KB: 28.00 DF: 27.60 GL: -84.00  
 Permanent Datum: MSL Depth Units: METRES

### LOG INFORMATION

FIELD RECORDING: Engineer: G. SUTHERLAND Location: Program Version: 32.2  
 COMPUTATION: Analyst: ZKATELS Centre: SYJ Baseline: 10.1

### ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 28.00  
 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	14.2.90				500	2725

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	14.2.90	52.4 M	52.4 M	5 BELOW MSL	10 M BELOW MSL	142.0	142.0

### 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

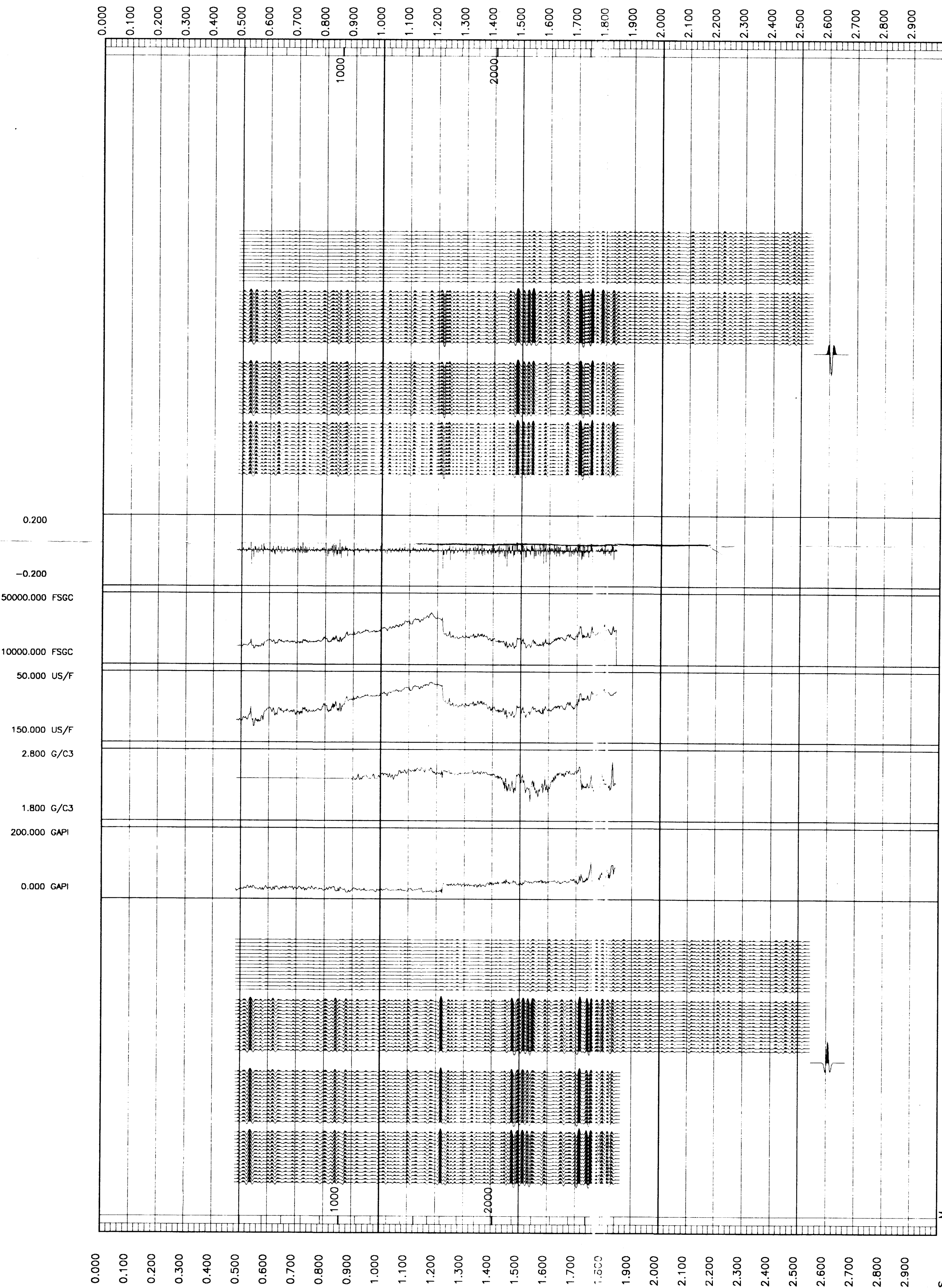
All interpretations are opinions based on information from electrical or other measurements and are carried out to the best of our ability and do not guarantee the accuracy or correctness of any interpretations. We shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages 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.

FOLD HERE

CLIENT = PETROFINA EXP. AUST. S.A.  
 FIELD = EXPLORATION  
 WELL = AYU 1

\*\* GEOGRAM \*\*  
 35 HERTZ ZERO PHASE  
 RICKER WAVELET  
 AYU 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
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