



# GEOGRAM\*

(Synthetic Seismogram)

Company: ESSO AUSTRALIA LTD 35 Hz  
 Well: TURRUM-6  
 Field: TURRUM  
 Country: AUSTRALIA  
 Reference No: SYJ-561162/561163 Interval: 2836.9998 to 140.00  
 Date Logged: 14 OCT. 1995 Date Processed: 20 OCT 1995  
 Location: 038 14' 11.108" S 148 10' 24.946" E  
 Elevations: KB: 25.00 DF: 24.70 GL: -60.00  
 Permanent Datum: MSL Depth Units: METRES

**LOG INFORMATION**

FIELD RECORDING: Engineer: R.JONSSON Location: Program Version: 700-427  
 COMPUTATION: Analyst: S.TOHERKASHNEV Centre: SYJ Baseline: 20.5

**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: YES

True Vertical Depth Corrections Applied: YES  
 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	26-09-95	DL-LDL-GR	17.5 IN	30.0 IN	118 M	649 M
2	12-10-95	DL-LDL-GR	12.2 IN	13.3 IN	648.5 M	2840 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	14-10-95	50 M	50 M	5 M BELOW MSL	10 M BELOW MSL	220 DEG	220 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.

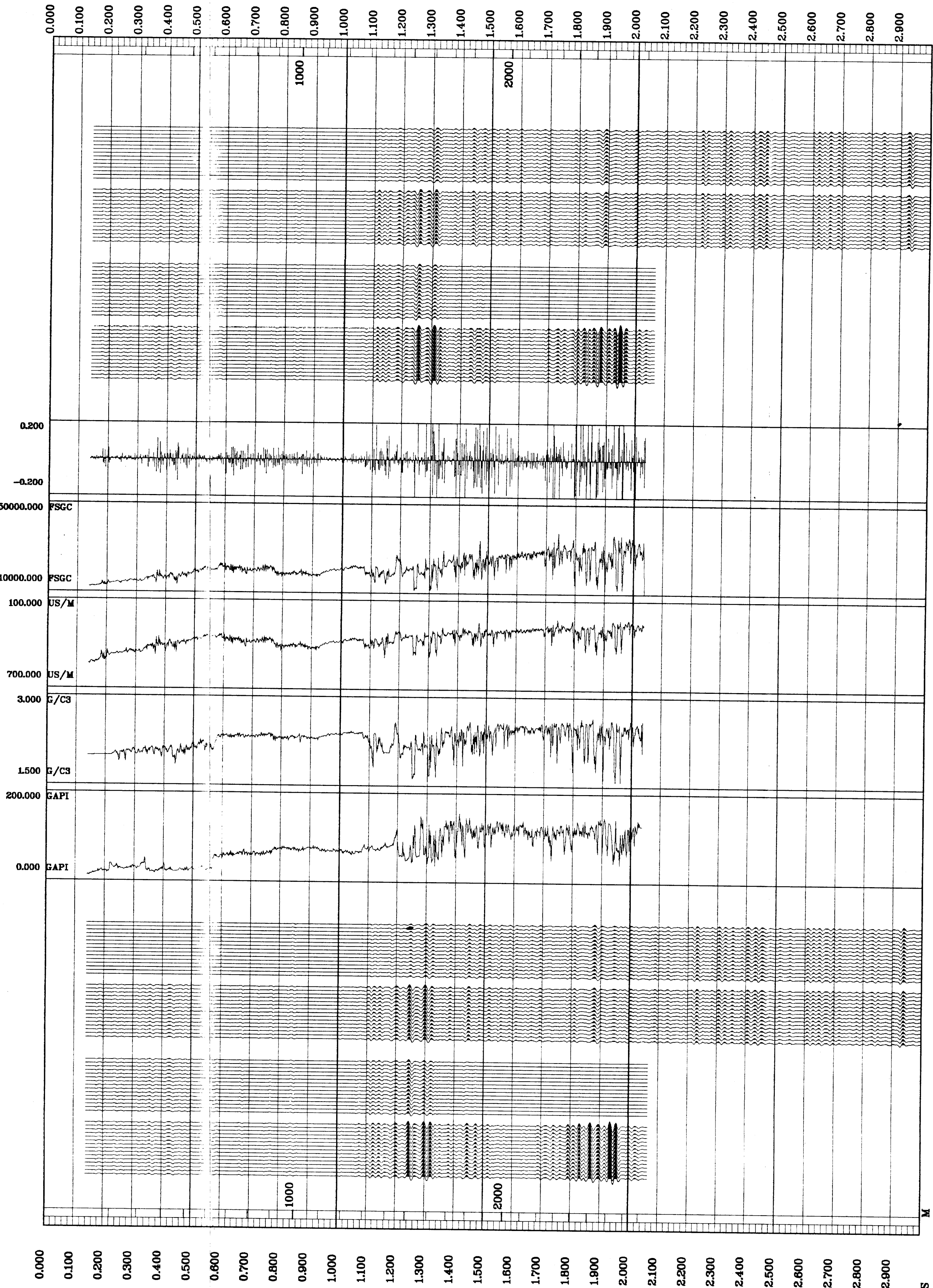
**SIGNATURES**  
 All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in acoustic impedance with depth).

**REMARKS**

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 interpretations, and we shall not, accept 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 change if our defined Terms and Conditions as set out in our current Service Schedule.

**\*\* GEOGRAM \*\***  
**35 HERTZ ZERO PHASE**  
**RICKER WAVELET**  
 VERTICAL SCALE = 10 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 ESSO AUSTRALIA LTD  
 FIELD TURRUM  
 WELL TURRUM-6  
 COUNTRY AUSTRALIA

