

GEOGRAM*

(Synthetic Seismogram)

* A Mark of Schlumberger

Company: ESSO AUSTRALIA LTD
 Well: TURRUM-5
 Field: TURRUM
 Country: AUSTRALIA
 Reference No: SYJ-561158/561159 Interval: 2755.00 to 106.00
 Date Logged: 25&12 SEP 1995 Date Processed: 26 SEP 1995
 Location: 038 14' 55.083" S 148 12' 03.099" E
 Elevations: KB: 25.00 DF: 27.70 GL: -60.30
 Permanent Datum: MSL Depth Units: METRES

45 Hz



LOG INFORMATION

FIELD RECORDING Engineer: R.JONSSON Location: Program Version: 700-427

COMPUTATION Analyst: S.TCHERKASHNEV 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: 1 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	25-08-95	DLL-LDL-GR	17.5 IN	13.3 IN	106 M	658 M
2	12-09-95	DLL-LDL-GR	12.2 IN	13.3 IN	655 M	2755 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	15-08-95	50 M	50 M	5 M BELOW MSL	10 M BELOW MSL	258 DEG	258 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).

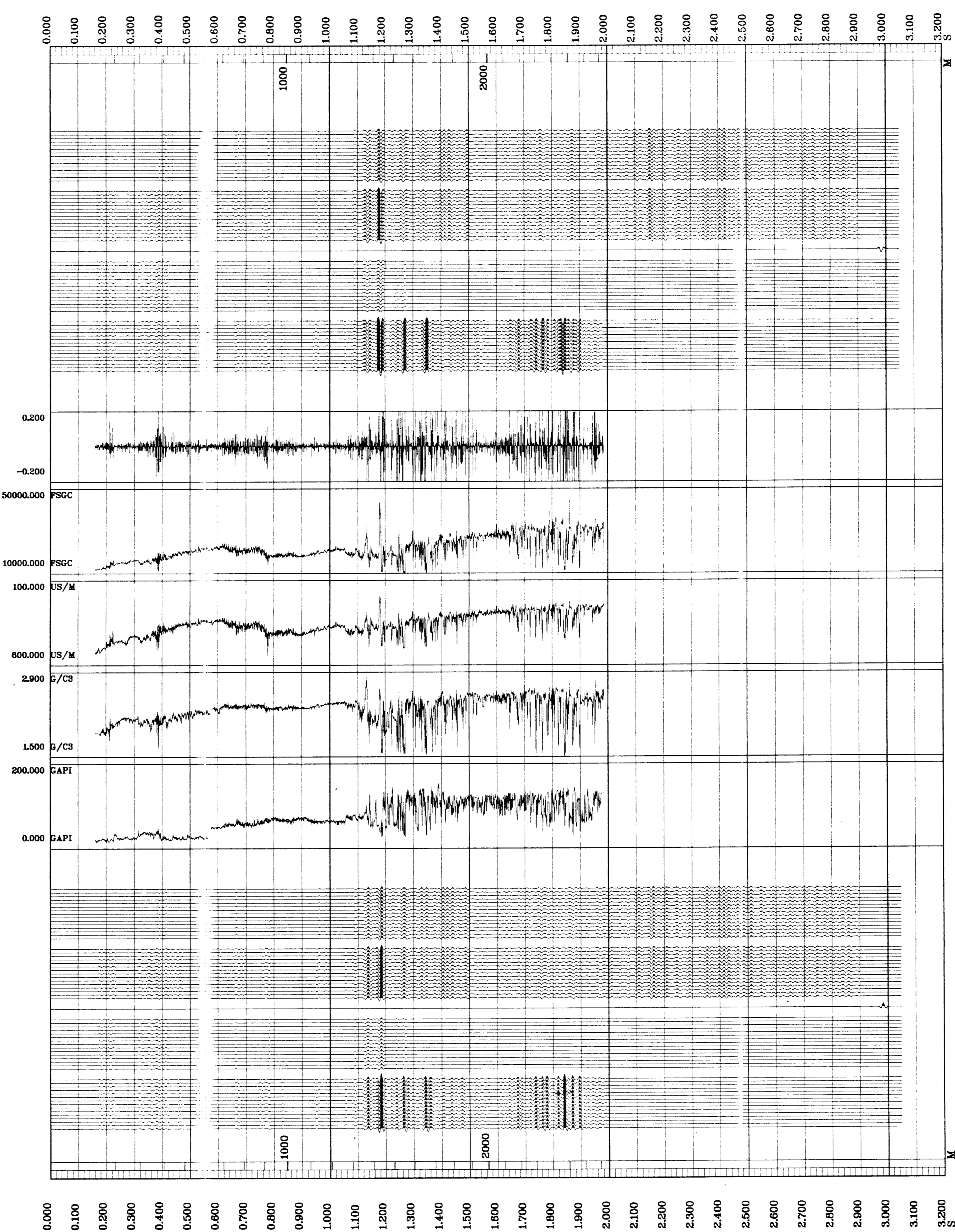
REMARKS

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, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred by any third party as a result of any interpretation or any other action taken by any third party. These interpretations are also subject to the terms and conditions of our standard terms and conditions of service.

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** GEOGRAM **
45 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-5
 COUNTRY AUSTRALIA

