



# GEOGRAM\*

(Synthetic Seismogram)

\* A Mark of Schlumberger

Company: GFE RESOURCES LTD.  
 Well: LANGLEY #1 **25 Hz**  
 Field: EXPLORATION  
 Country: AUSTRALIA  
 Reference No: SYJ-561022 Interval: 2008.00 to 350.00  
 Date Logged: 03-JUN-1994 Date Processed: 15-JUN-1994  
 Location: 038 35' 51.089" S 142 56' 10.625" E  
 Elevations: KB: 69.70 DF: 69.30 GL: 64.00  
 Permanent Datum: MSL Depth Units: METRES

**LOG INFORMATION**

FIELD RECORDING: Engineer: M.WILSON/B.TEXTOR Location: GEA Program Version: CP 40.2  
 COMPUTATION: Analyst: A.WIBISONO Centre: SYJ Baseline: 5.5  
 ELEVATION ABOVE MEAN SEA LEVEL  
 Logging Datum: 69.70  
 Seismic Reference Datum: 0.00  
 Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES  
 Two-Way Time Sample Interval: 2 ms Environment: onshore

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

Run	Date	Tool Type	BH Size/ Depth	Casing Size/ Depth	Top Depth	Bottom Depth
1	03-08-94	DLL-AS	8.5 IN		0 M	2002 M
2	03-08-94	LDL-CNL	8.5 IN		1360 M	2006 M

VSP Run	Date	Gun Offset	Fire Pulse Offset	Gun Elevation	Fire Pulse Elevation	Gun Azimuth	Fire Pulse Azimuth
1	04-06-94	22 M		2 M BELOW GL		125.6 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**

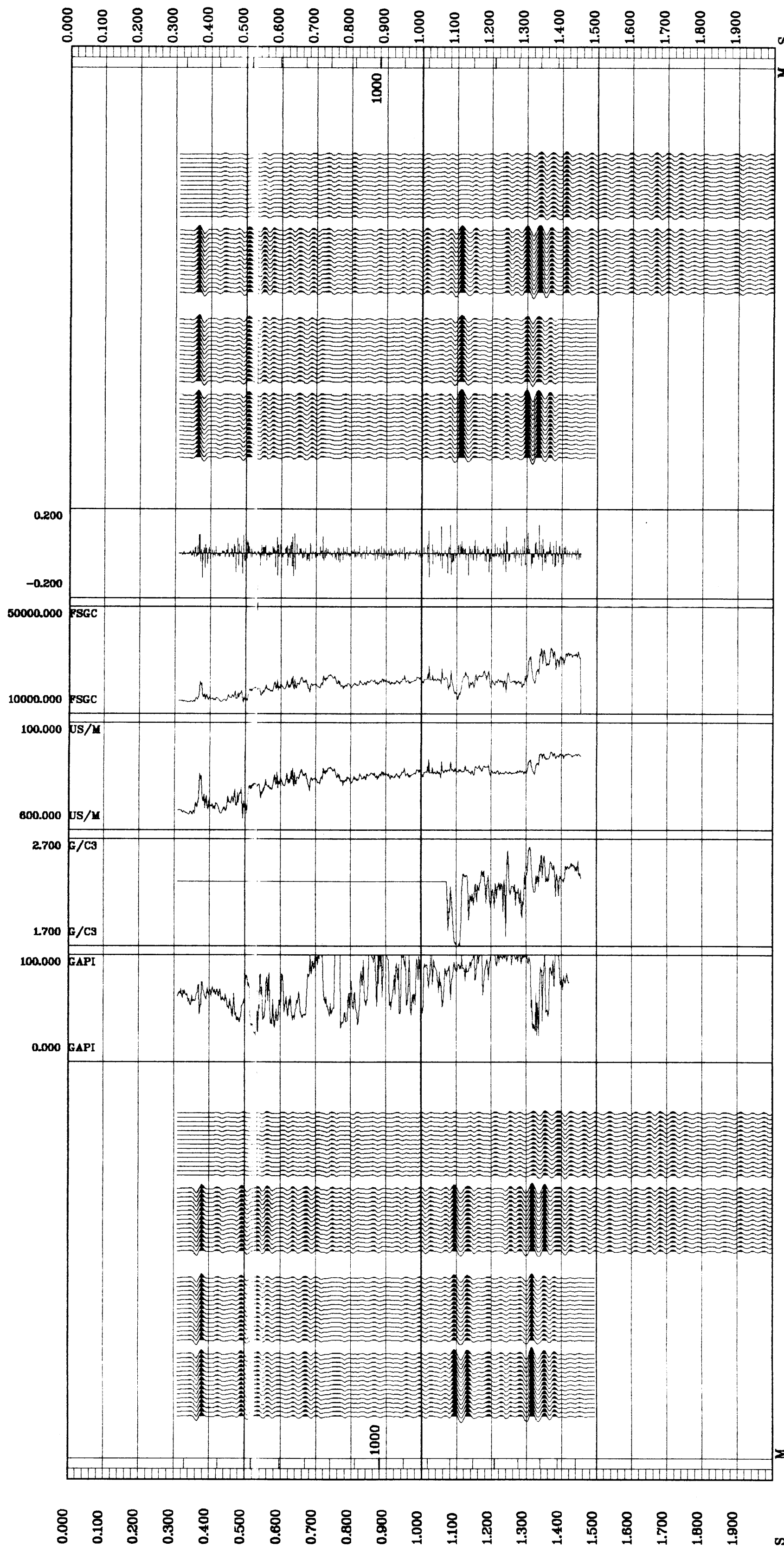
All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in acoustic impedance with depth).

**REMARKS**

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 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 or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to changes in our General Terms and Conditions as set out in our current Price Schedule.

**\*\* GEOGRAM \*\***  
**25 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 GFE RESOURCES LTD.  
 FIELD EXPLORATION  
 WELL LANGLEY #1  
 COUNTRY AUSTRALIA