



GEOGRAM*

(Synthetic Seismogram)

* A Mark of Schlumberger

Company: GFE RESOURCES LTD.
 Well: LANGLEY #1
 Field: EXPLORATION
 Country: AUSTRALIA
 Reference No: SVJ-561022
 Date Logged: 03-JUN-1994
 Location: 039 39 51 0897 S
 Elevations: KB: 69.70 DF: 69.30 GL: 64.00
 Permanent Datum: MSL
 Interval: 2008.00 to 3500.00
 Date Processed: 15-JUN-1994
 Location: 142 56 10 6257 E
 Depth Units: METRES

LOG INFORMATION

FIELD RECORDING Engineer: WILSON/BERTON Location: GEA Program Version: GP-40.2
 COMPUTATION Analyst: AMBRSON Centre: SVJ 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	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
1	03-06-94	DLL-46	8.5 N		0 M	2008 M
2	03-06-94	LK-CNL	8.5 N		1360 M	2008 M
USP	04-06-94	Gun Chk	Gun Elevation	Free Pulse Elevation	Gun Azimuth	Free Pulse Azimuth
1	04-06-94	22 M	2 M BELOW GL		126.5 DEG	

GEOGRAM MODEL ASSUMPTIONS

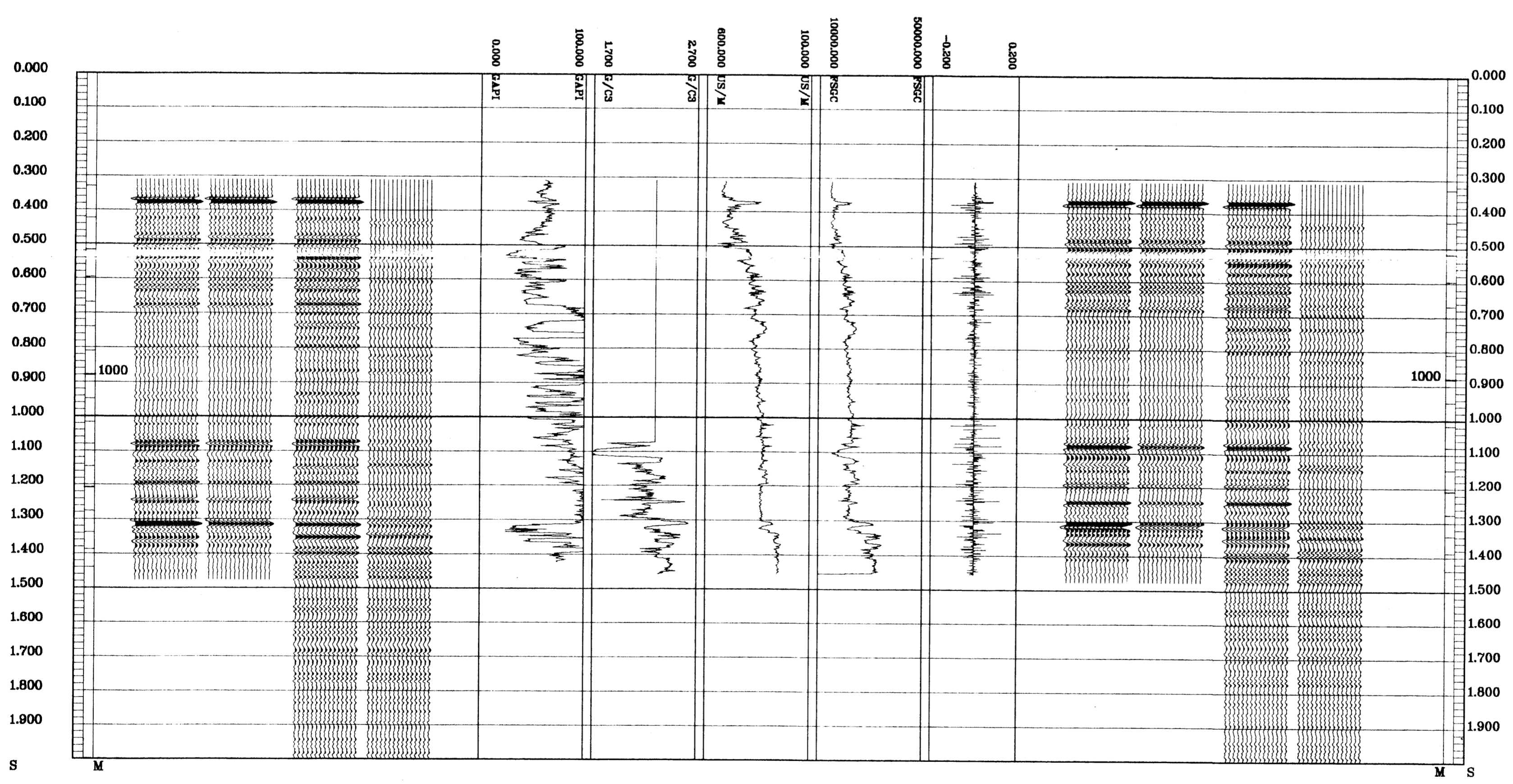
Equal time slice model of horizontal plane layers.
 Plane acoustic waves at normal incidence.
 No intrinsic attenuation.
 POLARITY
 An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.
 SIGNATURES
 All signatures displayed in 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 inferences 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 Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

**** GEOGRAM ****
45 HERTZ ZERO PHASE RICKER WAVELET
 VERTICAL SCALE = 10 CM/SEC

MULTIPLES ONLY REVERSE POLARITY
PRIMARYS AND MULTIPLES REVERSE POLARITY
PRIMARYS WITH TRANSMISSION LOSS REVERSE POLARITY
PRIMARYS REVERSE POLARITY
REFLECTION
ACOUSTIC IMPEDANCE
SONIC
DENSITY
GAMMA RAY
MULTIPLES ONLY NORMAL POLARITY
PRIMARYS AND MULTIPLES NORMAL POLARITY
PRIMARYS WITH TRANSMISSION LOSS NORMAL POLARITY
PRIMARYS NORMAL POLARITY



COMPANY GFE RESOURCES LTD.
 FIELD EXPLORATION
 WELL LANGLEY #1
 COUNTRY AUSTRALIA

