



# GEOGRAM

(Synthetic Seismogram)

Company: ESSO AUSTRALIA LTD  
 Well: KINGFISH 9  
 Field: KINGFISH  
 Country: AUSTRALIA  
 Reference No: 560781  
 Date Logged: 23-04-92  
 Date Processed: 30-04-92  
 Location: 38 63' 0" S 148 149' 0" E  
 Elevations: KB: 2200 DF: 2170 OI: 766.00  
 Permanent Datum: MSL Depth Units: METRES

**LOG INFORMATION**

FIELD RECORDING: Engineer: M. J. HARRIS Location: TINGARI 17/20 324  
 COMPLETION: Analyst: T. BROWMAN Charts: 577 Barcodes: 203  
 Logging Datum: ELEVATION ABOVE MEAN SEA LEVEL: 221.00  
 Seismic Reference Datum: 0.00  
 Some Calibration by Check Shots: YES Some Edited by Analyst: YES  
 Two-Way Time Sample Interval: 2 ms Environment: offshore

True Vertical Depth Corrections Applied:  
 Source or True Vertical Depth Data:  
 Maximum Used Correction:

| Top   | Base    | Top   | Base  | Top   | Base   |
|-------|---------|-------|-------|-------|--------|
| Depth | Depth   | Depth | Depth | Depth | Depth  |
| 1     | 15.5442 | AS    | AS    | 80 M  | 2040 M |
| 2     | 20.2442 | AS    | AS    | 80 M  | 80 M   |

| Top   | Base    | Top   | Base  | Top                | Base               |
|-------|---------|-------|-------|--------------------|--------------------|
| Depth | Depth   | Depth | Depth | Depth              | Depth              |
| 1     | 20.2442 | AS    | AS    | 10.4 M BELOW VERT. | 14.4 M BELOW VERT. |
| 2     |         |       |       |                    |                    |

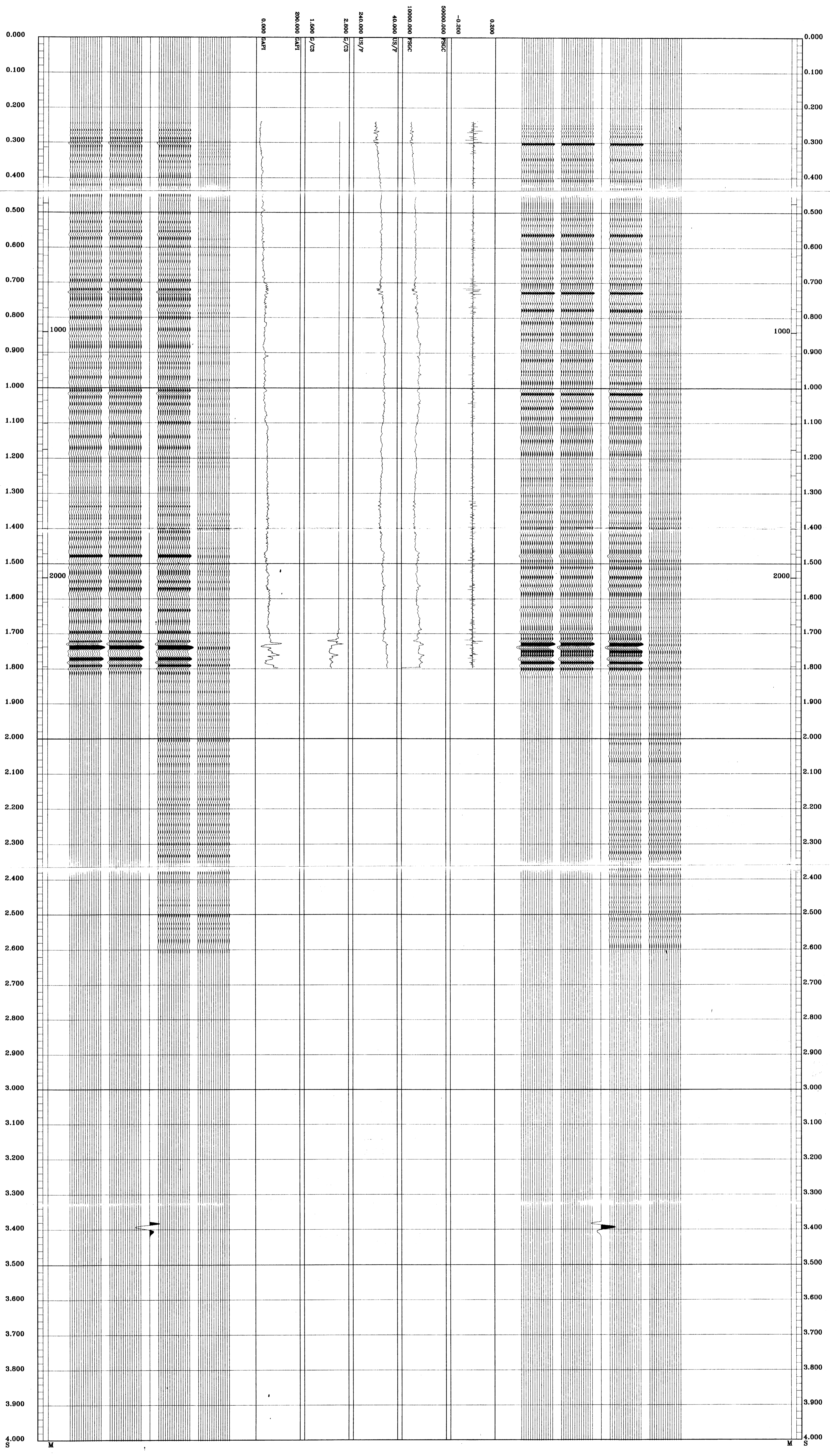
**GEOGRAM MODEL ASSUMPTIONS**  
 Equal time slice model of horizontal plane layers.  
 Pure acoustic waves at normal incidence.  
 No intrinsic attenuation.

**POLARITY**  
 An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.  
**SIGNAL TUNES**  
 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**

**\*\* GEOGRAM \*\***  
**35 HERTZ MINIMUM PHASE RICKER WAVELET**  
**KINGFISH-9**

- 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



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 FIELD KINGFISH  
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