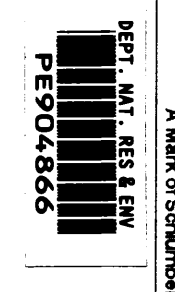


# GEOGRAM\*

(Synthetic Seismogram)



Company: ESSO AUSTRALIA LTD.  
 Well: HALIBUT #2  
 Field: HALIBUT  
 Country: AUSTRALIA  
 Reference No: SYJ360897  
 Date Logged: 04-MAR-1994  
 Location: 008 23 45.42' S 148 19 47.79' E  
 Elevation: KB: 25.00 DF: 24.70 GL: -79.00  
 Permanent Datum: MSL  
 Depth Units: METRES

LOG INFORMATION  
 ESD SYSTEM: 3  
 ELEVATION MEAN SEA LEVEL: 25.00  
 Logging Datum: 25.00  
 Seismic Reference Datum: 0.00  
 Sonic Calibration By Check Shot: YES  
 Sonic Edited By Analyst: YES  
 Two-Way Time Sample Interval: 2 ms  
 Environment:

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

Run	Date	Tool Joint	Bitrate	Change Size	Top Depth	Bottom Depth
1	30-03-94	4441111	8.875 M	50 M	25.00 M	2884 M
1	30-03-94	PAULDL	8.875 M	14.61000 M	25.00 M	2884 M
1	30-03-94	88 M	7.181000 M	14.61000 M	27.000 M	27.000 M

**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.

**STRAINS**  
 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).

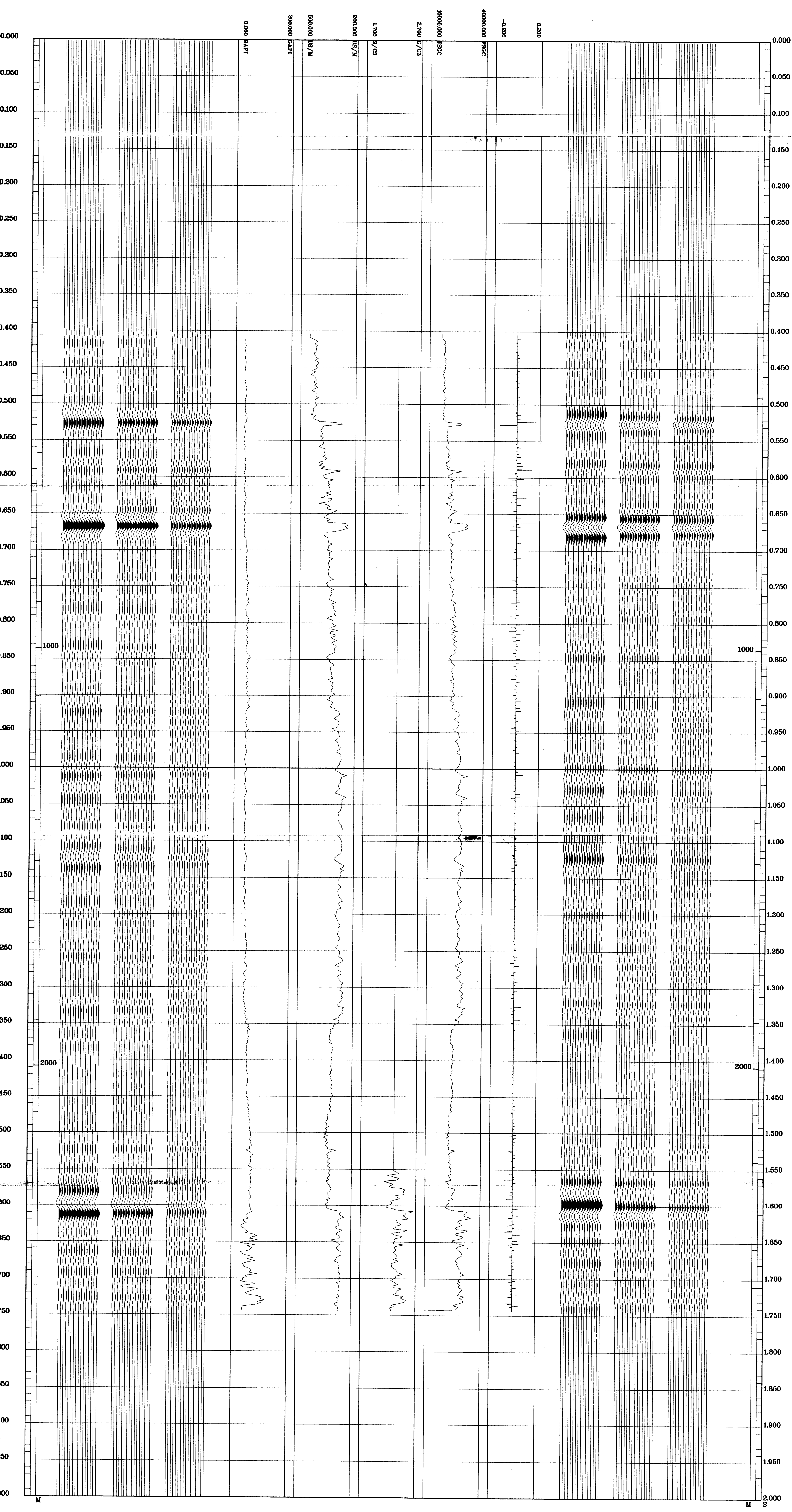
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All interpretations are opinions based on inferences from electrical or other measurements and we warrant, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence 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

RICKER ZERO PHASE WAVELET SHIFTED BY -90 DEG.  
 VERTICAL SCALE: 40 CM/SEC

<b>GEOGRAM</b> 45 HZ. S E G REVERSE POLARITY
<b>GEOGRAM</b> 35 HZ. S E G REVERSE POLARITY
<b>GEOGRAM</b> 25 HZ. S E G REVERSE POLARITY
<b>REFL. COEFFICIENT</b>
<b>ACOUSTIC IMPEDANCE</b>
<b>DENSITY</b>
<b>SONIC</b>
<b>GAMMA RAY</b>
<b>GEOGRAM</b> 45 HZ. S E G NORMAL POLARITY
<b>GEOGRAM</b> 35 HZ. S E G NORMAL POLARITY
<b>GEOGRAM</b> 25 HZ. S E G NORMAL POLARITY



COMPANY ESSO AUSTRALIA LTD.  
 FIELD HALIBUT  
 WELL HALIBUT #2  
 COUNTRY AUSTRALIA

