

From TOMMYRUFF-1 WLCR VOL II

GEOGRAM*

(Synthetic Seismogram)

*A Mark of Schlumberger

Company: BHP PETROLEUM
 Well: TOMMYRUFF #1
 Field: WILDCAT
 Country: AUSTRALIA
 Reference No: 56594 Interval: 1545.00 to 200.00
 Date Logged: 29/5/90 Date Processed: 29/5/90
 Location: 38 36'47.4" SS 147 08'33.7" EE
 Elevations: KB: 21.00 DF: 20.70 GL: -33.00
 Permanent Datum: MSL Depth Units: METRES

LOG INFORMATION

FIELD RECORDING: Engineer: F. CRIST Location: Program Version: 32.2
 COMPUTATION: Analyst: Z. KATELIS Centre: SYJ Baseline: 16.2

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 21.00
 Seismic Reference Datum: 0.00

Sonic Calibration By Check Shots: 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 Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
162	22/5/90				200.0	1545.0

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	29-5-90	40.0 M	40.0 M	4 BELOW MSL	9 M BELOW MSL	0	0

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

10 CM/SEC.
 TU 1210-35

All interpretations are options based on inferences from electrically 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, cost, 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 of our General Terms and Conditions as set forth in our standard service schedule.

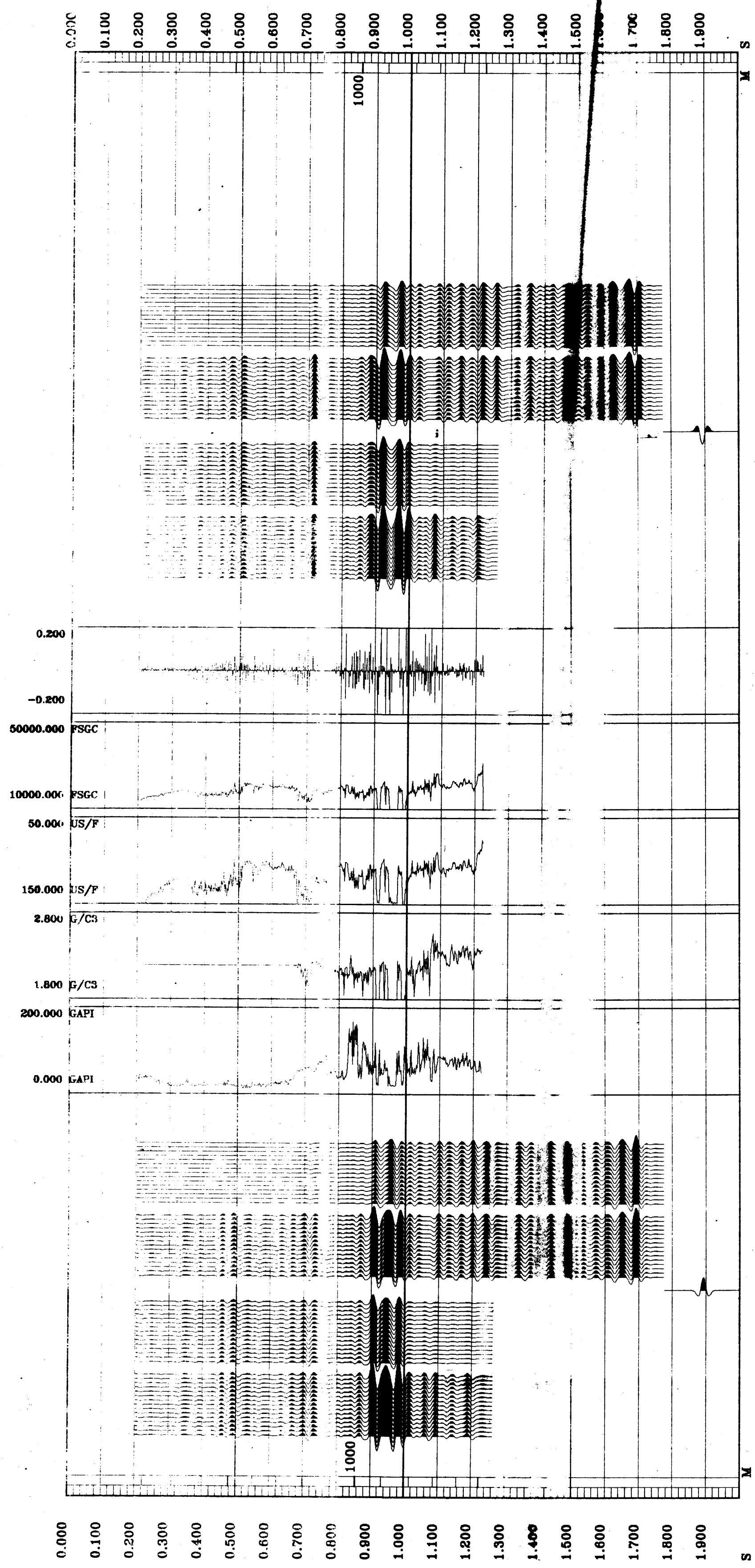
CLIENT = BHP PETROLEUM
 FIELD = WILDCAT
 WELL = TOMMYRUFF 1

**** GEOGRAM ****

**25 HERTZ ZERO PHASE
 RICKER WAVELET**

TOMMYRUFF 1

- 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 BHP PETROLEUM
 FIELD WILDCAT
 WELL TOMMYRUFF #1
 COUNTRY AUSTRALIA

Schlumberger