

GEOGRAM*

(Synthetic Seismogram)

* A Mark of Schlumberger

Company: BHP PETROLEUM 45 H z
 Well: ERIC THE RED-1
 Field: WILDCAT
 Country: AUSTRALIA
 Reference No: 560880 Interval: 1848.00 to 373.00
 Date Logged: 27 FEB 1992 Date Processed: 5/3/92
 Location: 39 00' 45.44" S 143 10' 51.45" E
 Elevations: KB: 25.30 DF: 25.00 GL: -75.00
 Permanent Datum: MSL Depth Units: METRES

LOG INFORMATION
 FIELD RECORDING: Engineer: S NAKANISHI Location: Program Version: 580-325
 COMPUTATION: Analyst: Z.KATELIS Centre: SYJ Baseline: 20.2

ELEVATION ABOVE MEAN SEA LEVEL
 Logging Datum: 25.00
 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
VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth
1	27-FEB-1992	47 M	47 M	7 BELOW MSL	14 M BELOW MSL	50.0

Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	27-FEB-1992	47 M	47 M	7 BELOW MSL	14 M BELOW MSL	50.0	50.0

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).

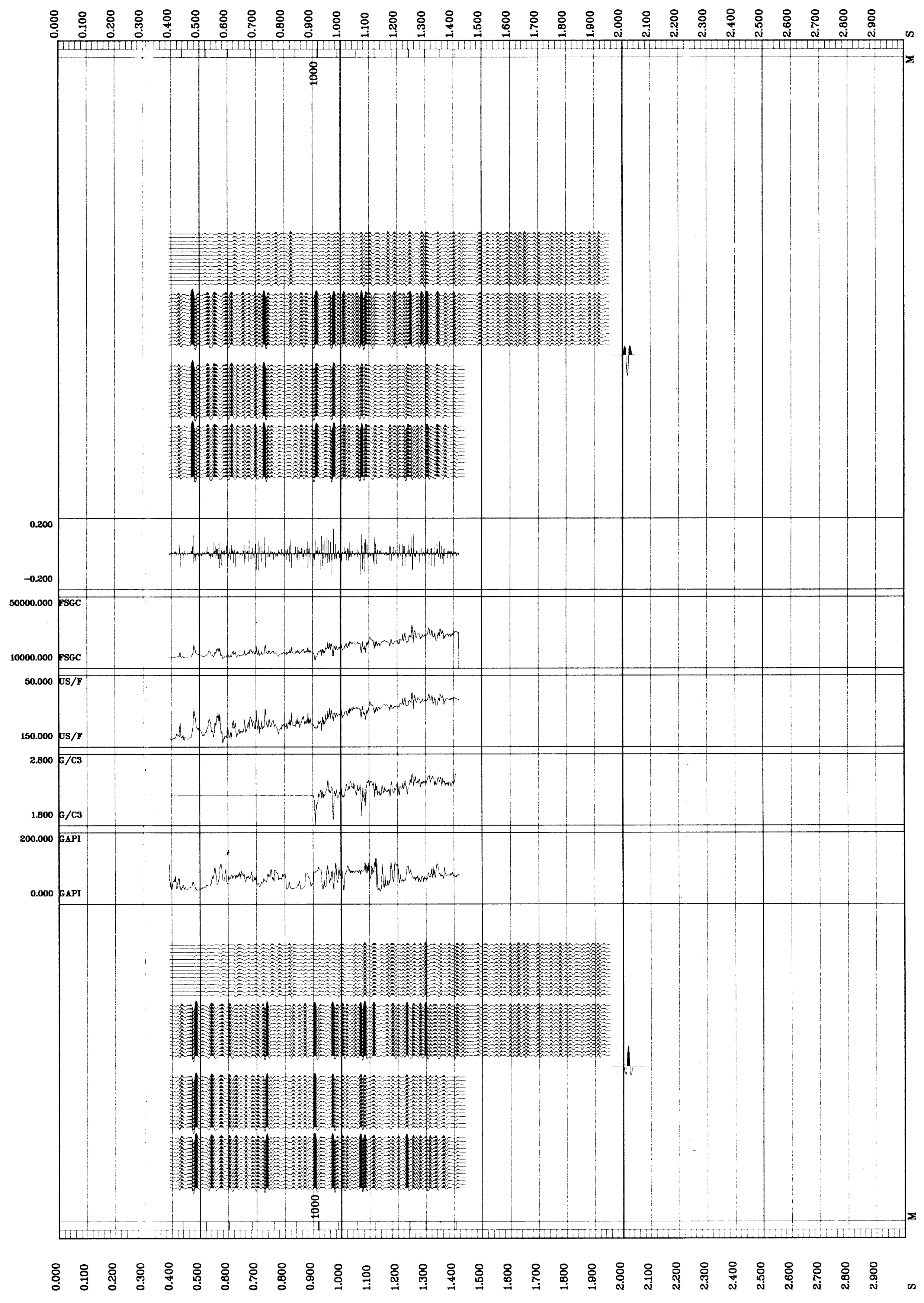
REMARKS

The well name, location and logbook reference data were furnished by the customer.

Please refer to our General Terms and Conditions as set forth in our current Price Schedule.

CLIENT = BHP PETROLEUM
 FIELD = WILDCAT
 WELL = ERIC THE RED-1
 ** GEOGRAM **
 45 HERTZ ZERO PHASE
 RICKER WAVELET
 ERIC THE RED #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 ERIC THE RED-1
 COUNTRY AUSTRALIA

Schlumberger