

Schlumberger

MELBOURNE LOG INTERPRETATION CENTRE
DEPT. NAT. RES & ENV
PE600307

DEPT. NAT. RES & ENV
PE900627

GEOGRAM

(Synthetic Seismogram)

* A Mark of Schlumberger

Company: BHP PETROLEUM PTY. LTD.
Well: CHAMPION-1 **35 Hz**
Field: WILDCAT
Country: AUSTRALIA
Reference No: SYJ-561142/561143 Interval: 1845.00 to 1220.00
Date Logged: 15 AUG. 1995 Date Processed: 17 AUG 1995
Location: 038 32' 33.054" S 142 23' 18.066" E
Elevations: KB: 25.30 DF: 25.00 GL: -54.00
Permanent Datum: MSL Depth Units: METRES

LOG INFORMATION

FIELD RECORDING: Engineer: R.JONSSON Location: Program Version: 700-427

COMPUTATION: Analyst: S.TCHERKASHNEV Centre: SYJ Baseline: 20.5

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 25.30
Seismic Reference Datum: 0.00

Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES

Two-Way Time Sample Interval: 1 ms Environment: YES

True Vertical Depth Corrections Applied: YES
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	15-07-95	DLL	12.25 IN	13.3 IN/1216 M	1216 M	1856 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	15-07-95	45 M	45 M	5 M BELOW MSL	10 M BELOW MSL	90 DEG	90 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).

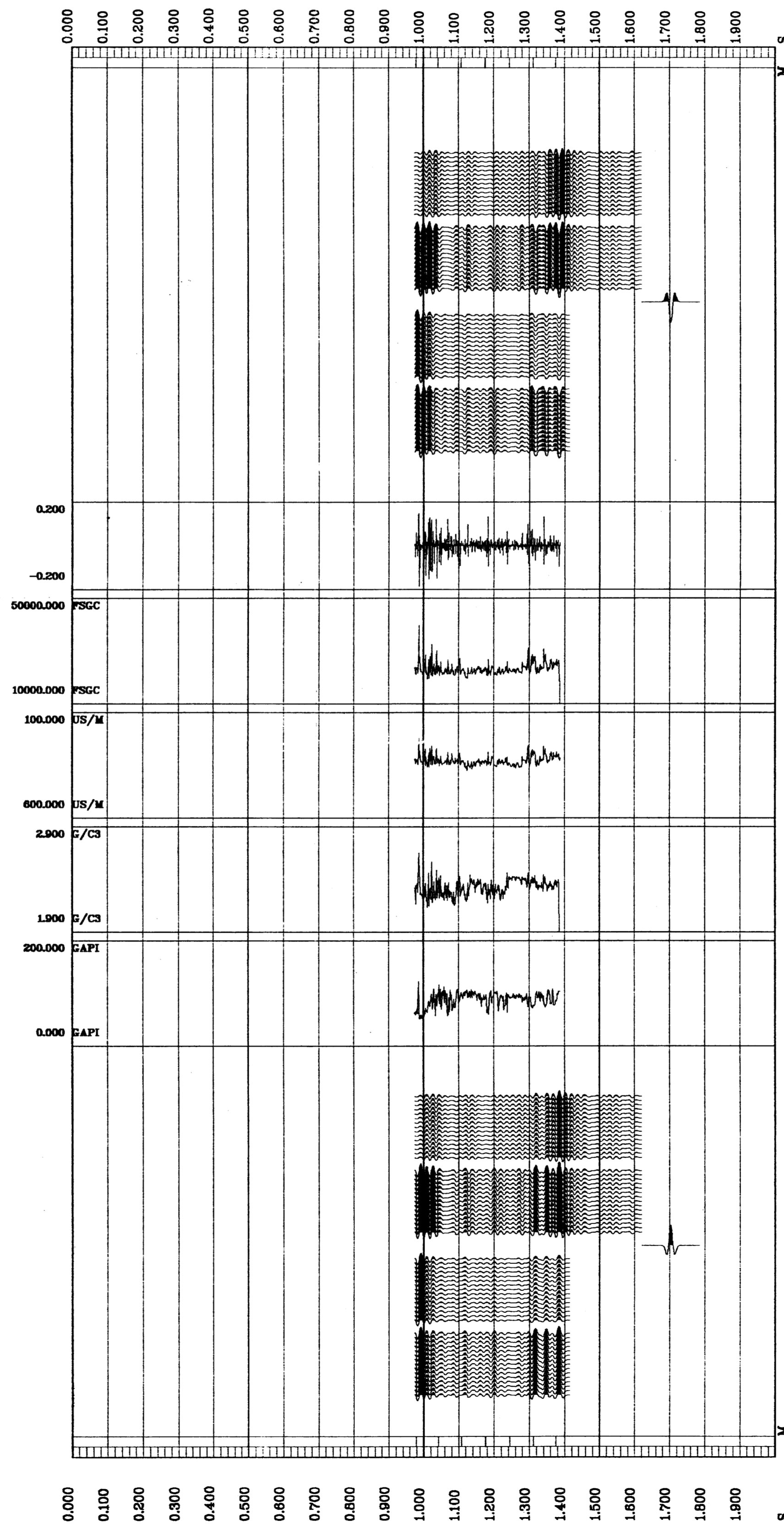
REMARKS

All interpretations are opinions based on references 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 by our clients, 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.

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

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 PTY. LTD.
FIELD WILDCAT
WELL CHAMPION-1
COUNTRY AUSTRALIA

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