

From W.L.L. JUDITH-1 W-1

DEPT. NAT. RES. & ENV  
PE603204

Schlumberger SYDNEY LOG INTERPRETATION CENTRE

# GEOGRAM\*

(Synthetic Seismogram)

\* A Mark of Schlumberger

Company: SHELL COMPANY OF AUSTRALIA  
 Well: JUDITH #1  
 Field: WILDCAT  
 Country: AUSTRALIA  
 Reference No: 56521 Interval: 2958.00 to 800.00  
 Date Logged: 16 NOV 89 Date Processed: 5/12/89  
 Location: 38 09'18.5" S 148 33'20.1" E  
 Elevations: KB: 2100 DF: 20.70 GL: -76.40  
 Permanent Datum: MSL Depth Units: METRES

### LOG INFORMATION

FIELD RECORDING: Engineer: AGUS H Location: Program Version: 32.2  
 COMPUTATION: Analyst: ZKATELIS Centre: SYJ Baseline: 16.11X3

### ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 2100  
 Seismic Reference Datum: 0.00

Sonic Corrections 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
					2958.0	800.0

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	16-11-89	40 M	40 M	5 M BELOW MSL	10 M BELOW MSL	40.0	40.0

**GEOGRAM MODEL ASSUMPTIONS**  
 Equal 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

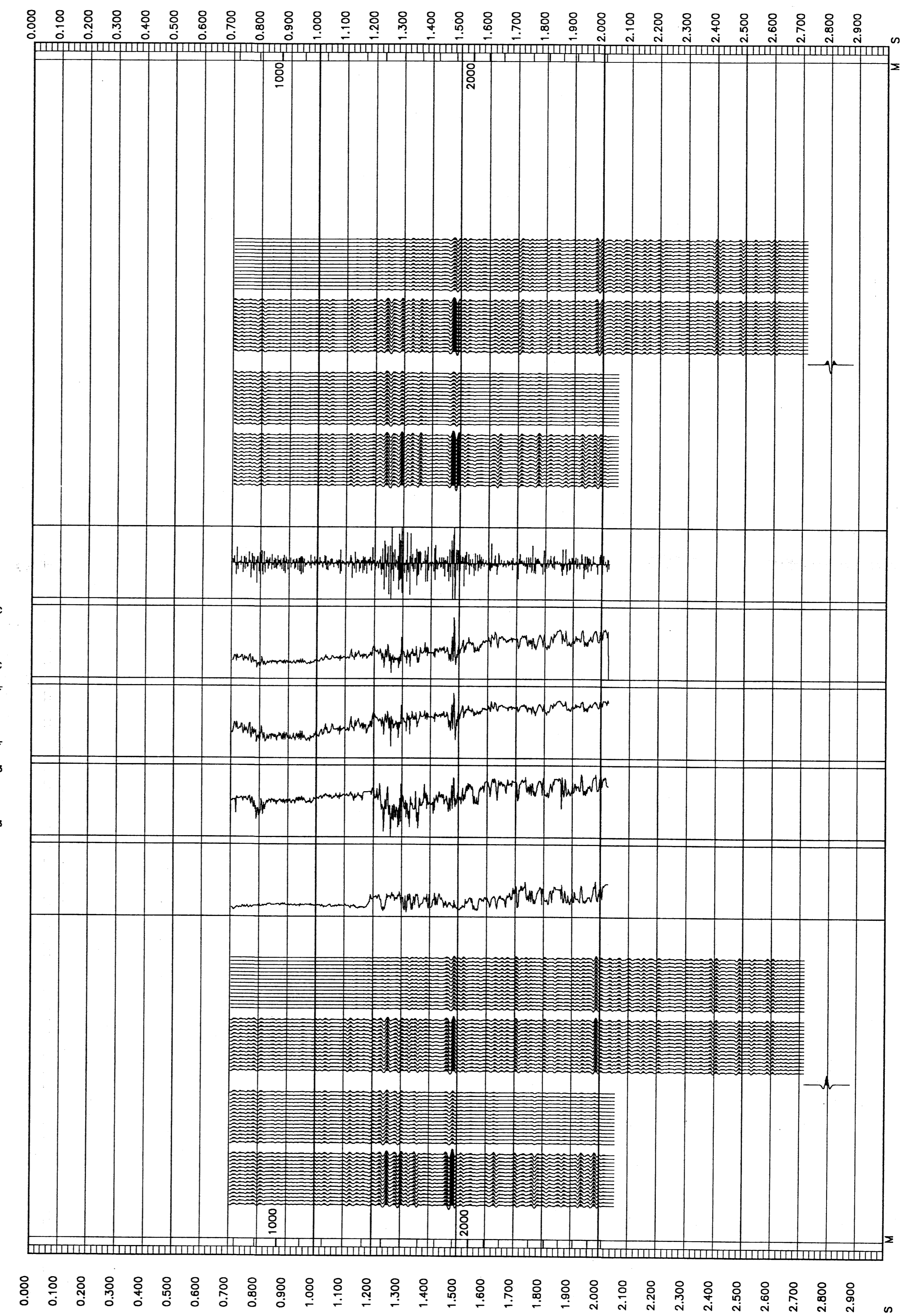
The well name, location and borehole reference data were furnished by the customer.  
 All interpretations are optional, based on information from electrical or other measurements and we cannot, and do not guarantee, the accuracy of the results. We are not responsible for any loss, costs, damages or 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.

FOLD HERE

CLIENT = SHELL COMPANY OF AUSTRALIA  
 FIELD = WILDCAT  
 WELL = JUDITH 1

\*\* GEOGRAM \*\*  
 35 HERTZ ZERO PHASE  
 RICKER WAVELET  
 JUDITH 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 SHELL COMPANY OF AUSTRALIA  
 FIELD WILDCAT  
 WELL JUDITH #1  
 COUNTRY AUSTRALIA

