

# GEOGRAM\*

(Synthetic Seismogram)



\* A Mark of Schlumberger

Company: ESSO AUSTRALIA LTD  
 Well: MULLOWAY #1  
 Field: WILDCAT  
 Country: AUSTRALIA  
 Reference No: SYJ-56913 Interval: 1690.00 to 180.00  
 Date Logged: 19-FEB-89 Date Processed: 10-MAR-89  
 Location: 038 19 27 46 S 147 29 01 82 E  
 Elevations: KB: 2100 DF: 2070 GL: -3700  
 Permanent Datum: MSL Depth Units: METRES

### LOG INFORMATION

FIELD RECORDING Engineer: Y.G.ZHANG Location: Program Version: 28.882  
 COMPIATION Analyst: M.SANDBERS Centre: SYJ BaseLine: 18300XZ  
 ELEVATION ABOVE MEAN SEA LEVEL  
 Logging Datum: 2100  
 Seismic Reference Datum: 000  
 Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES  
 Two-Way Time Sample Interval: 2 ms Environment: onshore

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

Run	Date	Tool Type	Bit Size/Depth	Casing Size/Depth	Top Depth	Bottom Depth
VSP	Date	Gun	Hydro	Gun	Hydro	Gun
1	19-FEB-89	40 M	40 M	4 M BELOW MSL	9 M BELOW MSL	

### 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

35 Hertz Zero Phase

FOLD HERE

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

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, accept 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 \*\*  
 35 HERTZ ZERO PHASE  
 RICKER WAVELET  
 MULLOWAY - 1

MULTIPLES ONLY REVERSE POLARITY	0.200
PRIMARIES AND MULTIPLES REVERSE POLARITY	-0.200
PRIMARIES WITH TRANSMISSION LOSS REVERSE POLARITY	50000.000 F93C
PRIMARIES REVERSE POLARITY	10000.000 F93C
REFLECTION	100.000 US/M
ACOUSTIC IMPEDANCE	500.000 US/M
SONIC	2.800 G/CS
DENSITY	1.800 G/CS
GAMMA RAY	200.000 GAPI
MULTIPLES ONLY NORMAL POLARITY	0.000 GAPI
PRIMARIES AND MULTIPLES NORMAL POLARITY	
PRIMARIES WITH TRANSMISSION LOSS NORMAL POLARITY	
PRIMARIES NORMAL POLARITY	



COMPANY ESSO AUSTRALIA LTD  
 FIELD WILDCAT  
 WELL MULLOWAY #1  
 COUNTRY AUSTRALIA

