Schlumberger

MELBOURNE LOG
INTERPRETATION
CENTRE

GEOGRAM*

(Synthetic Seismogram)

* A Mark of Schlumberger

DEPT. NAT. RES. & ENV.
PE604592

35 Hz

Company:	ESSO AUSTRALIA LTD		
Well:	TURRUM-5		
Field:	TURRUM		
Country:	AUSTRALIA		
Reference No:	SYJ-561158/561159	Interval:	2755.00 to 106.00
Date Logged:	25&12 SEP 1995	Date Processed:	26 SEP 1995
Location:	038 14' 55.083" S		148 12' 03.099" E
Elevations:	KB: 25.00	DF: 27.70	GL: -60.30
Permanent Datum:	MSL	Depth Units:	METRES

LOG INFORMATION

FIELD RECORDING:	Engineer:	RJONSSON	Location:		Program Version:	7D0-427	
COMPUTATION:	Analyst:	S.TCHERKASHNEV	Centre:	SYJ	Baseline:	20.5	

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:	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	25-08-95	DLL-LDL-GR		17.5 IN	13.3 IN	106 M	668 M
2	12-09-95	DLL-LDL-GR		12.2 IN	13.3 IN	666 M	2755 M

VSP Run	Date	Gun Offset	Hydro Offset	Gun Elevation	Hydro Elevation	Gun Azimuth	Hydro Azimuth
1	15-08-95	50 M	50 M	5 M BELOW MSL	10 M BELOW MSL	258 DEG	258 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 accoustic impedance with depth).

REMARKS

FOLD HERE

The well name, location and coordinate 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, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation 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

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 ESSO AUSTRALIA LTD
FIELD TURRUM
WELL TURRUM-5
COUNTRY AUSTRALIA

Schlumberger