

# Level One

## SonicVision\* Processing

Company: • Esso Australia

Well(s): • BMB\_B17

Country: • Australia

Survey: • SonicVision\*

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Logging Date: • 14-July-2005

Interval: • Interval: 3825mMD to 3925mMD

Products: • Compressional Slowness  
• Shear Slowness

Analysis Date: • 27 July 2005

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\*Mark of Schlumberger

## Quick Look Summary

SonicVision logs were acquired by Esso Australia Pty Ltd in well BMB-B17, Australia logged on 14 Jul 2005. This report comments on the field logs and presents the results of a Quick Look processing for compressional slowness.

The SonicVision data was acquired in the following runs so far:  
Interval: 2825mMD to 2925mMD

The data was loaded into Geoframe\* and processed using BestDT3. BestDT3 software is able to process all Schlumberger sonic logs, both Wireline and LWD.

## Observations:

The sonic in this run had

The following processing was performed in BestDT3:

1. Band pass filter : 10Khz-16Khz. This filter although reduced the collar arrival that was apparent at around 9Khz, but did not improve the coherence of the DTcompressional.
2. Band pass filter : 7-10KHz for improving the DTshear.

The processing was performed using the DDBHC mode and for Wideband.

Editing was required to be performed on the labelling to ensure that at some places, the labelled DTco was on the highest coherence peak.

The **shear slowness** gave the value of DTshear in certain areas, but in other areas, the signal was very weak to enhance the results.

The values over coals were extremely difficult to get over the entire coal interval, due to very high attenuation of the signal.

The mud velocity was approximately 722 us/m (220.. us/ft ) , fluid being oilbase mud.

## Deliverables:

The following deliverables are provided with this Quick Look processing:

Report		bmb-b17sonicvision_processing_report.pdf
	Las file	bmb-b17sonicvisionrun-processedresults-lasfilepc.las
	Graphics file	bmb-b17sonicvision-processedresults-graphicsfile.pds