

# **ENCLOSURE 15**

## **SOLE-2**

**Composite Display –  
Zero Phase Seismic  
Match Filter  
(reversed polarity)**

**-CGG-**



BOREHOLE

DISPLAY VLI

### INTERPRETERS COMPOSITE ZERO PHASE SEISMIC MATCH FILTER RIG SOURCE SURVEY

WELL : SOLE - 2  
 COMPANY : OMV AUSTRALIA PTY. LTD.  
 UTM WELL COORD. : 5 780 595.42 m N  
 676 059.05 m E  
 AREA : Permit VIC/RL3  
 COUNTRY : AUSTRALIA

POLARITY : SEG REVERSE  
 TIME SCALE : 10 CM/S  
 DEPTH SCALE : 1:10000  
 DATUM : MSL

#### VSP PROCESSING PARAMETERS

##### RIG SOURCE SURVEY:

BANDPASS FILTER 5,10 - 100,120 HZ  
 WAVEFIELD SEPARATION (1 WAVEFIELD, 5 TRACES)  
 DETERMINISTIC DECONVOLUTION (600 MS SIGNAL SEARCH WINDOW)  
 SEISMIC MATCH BANDPASS FILTER 5,10 - 40,60 HZ  
 DIP FILTER (7 SAMPLE MEDIAN OPERATOR, 0 MS/TR DIP)  
 DATA TRANSPOSED WHERE APPLICABLE  
 POST MEDIAN FILTER 4,8 - 45,65 HZ

##### BOREHOLE TRACE

DIP FILTER (5 SAMPLE MEDIAN OPERATOR, 0 MS/TR DIP)  
 APPLIED TO TRANSPOSE DATA, THEN FIFTEEN TRACE REPEAT OF TRACE 3  
 TRACE EQUALISATION 500 MS

#### SYNTHETIC SEISMOGRAM PROCESSING DETAILS

SYNTHETIC SEISMOGRAM DERIVED FROM ACOUSTIC IMPEDANCE LOG DETAILS OF THE VELOCITY MODEL USED BETWEEN MEAN SEA LEVEL AND THE TOP OF THE RECORDED LOG MAY BE OBTAINED FROM THE SYNTHETIC SEISMOGRAM REPORT.

ZERO PHASE SEISMIC MATCH BANDPASS FILTER (AS ABOVE).

