



SEISMOGRAPH SERVICE LIMITED

COMPANY : PHILLIPS AUSTRALIAN OIL CO.
WELL : SELENE NO. 1
LOCATION : 38° 37' 24.97"S
: 148° 25' 11.51"E



DISPLAY : VSP COMPOSITE TRACE DISPLAY
POLARITY 2

TIME SCALE : 1S = 10CMS
DEPTH SCALE : 10 TRACES/INCH
DATE PROCESSED : FEBRUARY 1983

FIELD ACQUISITION

DATE SHOT : 6.2.83
SOURCE : SINGLE BOLT AIRGUN (120CU. IN.)
SOURCE DEPTH : 4.5M BELOW MSL
GUN PRESSURE : 2000PSI
SOURCE MONITOR : NEAR FIELD HYDROPHONE
MONITOR DEPTH : 7.5M BELOW MSL
WELL GEOPHONE : GCH-100HT
RECORDING EQUIPMENT : DWS
SAMPLE RATE : 1MS
SURFACE ELEVATION : /
WATER DEPTH : 253M
DEPTH REFERENCE LEVEL : KB. 23M AMSL

PROCESSING SEQUENCE

V1. EDIT
AUTOMATED TRACE ALIGNMENT
VERTICAL STACK OF CONSTANT DEPTH TRACES
SOURCE SIGNATURE DECONVOLUTION (310MS DERIVATION)
AMPLITUDE RECOVERY T**1.0
FIRST ARRIVALS SHIFTED TO TWO-WAY TIME SUB DATUM
DOWNGOING WAVE SUBTRACTION
SPECIAL VSP DECONVOLUTION (11050MS DERIVATION WINDOW)
BANDPASS FILTER: 1-5, 70-88-Z)
TRACKING FILTER: 9:1 MEDIAN 0-4MS/TR LEFT DIP ENHANCEMENT)
FRONT CORRIDOR COMPOSITE TRACE PRODUCTION
(VARIABLE WINDOW STARTING 50 MS AFTER FIRST ARRIVAL)
24 TRACE REPEAT
BANDPASS FILTER: 1-5, 70-88-Z)

V2. AS FOR V1 EXCEPT
BANDPASS FILTER BEFORE AND AFTER
FRONT CORRIDOR COMPOSITE REPLACED BY
TIME VARIANT FILTER FROM SEISMIC SECTION (LINE SP81-81)
11-15, 55-69HZ @ 0.00-1.53S
8-10, 50-62HZ AT 1.82S
1-5, 45-58HZ AT 2.13S
1-5, 40-58HZ @ 2.23S TO END OF DATA)

POLARITY 2 :
AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A BLACK PEAK
A DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A WHITE TROUGH