



SEISMOGRAPH SERVICE (ENGLAND) LTD.

COMPANY : UNION TEXAS AUSTRALIA INC.
 WELL : PISCES NO. 1
 LOCATION : 39° 03' 37.055" S
 148° 30' 41.270" E
 DISPLAY : VSP DOWNGOING EVENTS
 (POLARITY 1)

TIME SCALE : 1 S = 3.75 IN
 DEPTH SCALE : 10 TRACES/INCH
 DATE PROCESSED : AUGUST 1982

FIELD ACQUISITION

SURVEY DATE : 9TH MAY 1982
 SOURCE : 40 CU. IN SINGLE BOLT AIRGUN
 SOURCE DEPTH : 15.2 M
 GUN PRESSURE : 2000 PSI
 SOURCE MONITOR : NEAR FIELD HYDROPHONE
 MONITOR DEPTH : 18.3 M
 WELL GEOPHONE : WS
 RECORDING EQUIPMENT : DIGITAL CART.
 SAMPLE INTERVAL : 1 MS
 SURFACE ELEVATION : MSL
 WATER DEPTH : 122 M
 VSP DATUM : MSL

PROCESSING SEQUENCE

D1. EDIT
 AUTOMATED TRACE ALIGNMENT
 VERTICAL STACK OF CONSTANT DEPTH TRACES
 SOURCE SIGNATURE DECONVOLUTION (300MS DERIVATION WINDOW)
 AMPLITUDE RECOVERY T=1.0
 SHIFT TO ALIGN FIRST ARRIVALS AT TIME ZERO
 D2. AS FOR D1. PLUS
 13:1 MEDIAN PICK
 BANDPASS FILTER 1-5.80-100HZ
 D1-D2. TRACE EQUALISATION (100 MS WINDOW, 50 MS OVERLAP)
 PRIOR TO DISPLAY

POLARITY 1 :
 AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A WHITE TROUGH
 THE DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A BLACK PEAK

D1

D2

