



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 2)

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

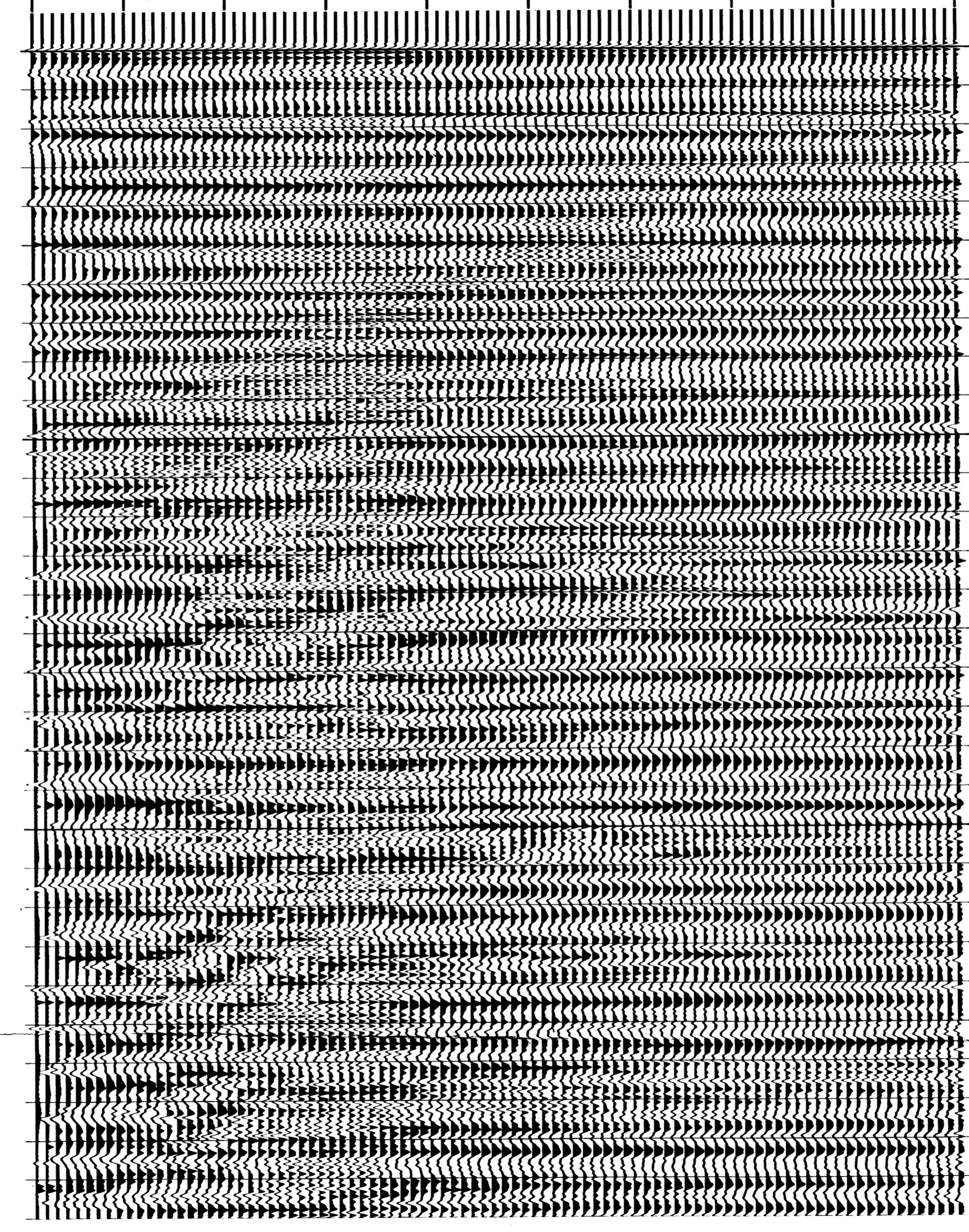
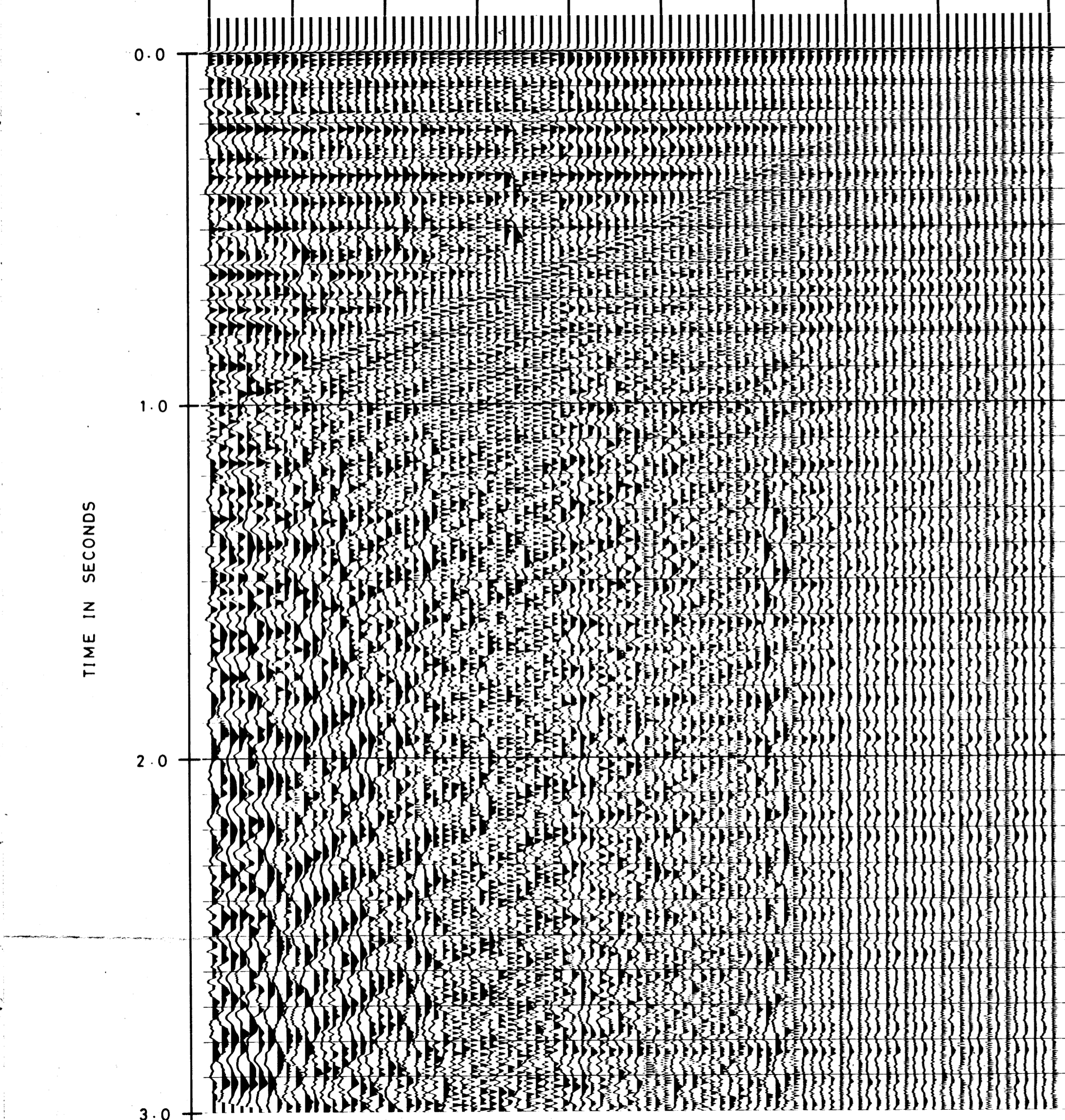
POLARITY 2 :  
 AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A BLACK PEAK  
 THE DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A WHITE TROUGH

D1

D2

LEVEL No. 1 10 20 30 40 50 60 70 80 92  
 DEPTH IN m BELOW KB. 2568 2376 2151.5 1967 1770 1510 1210 900 583 220

1 10 20 30 40 50 60 70 80 92  
 2568 2376 2151.5 1967 1770 1510 1210 900 583 220



TIME IN SECONDS

0.0

1.0

2.0

3.0