

nr 15



SEISMOGRAPH SERVICE (ENGLAND) LTD.

COMPANY : STATOIL
WELL : 15/9-18

LOCATION : 58° 21' 01.92" N
01 48 12.04 E

VERTICAL SEISMIC PROFILE
DISPLAY 3 - DOWNGOING WAVEFIELD
POLARITIES 1 & 2

TIME SCALE : 1S = 10CM
DEPTH SCALE : 1:12000
DATE PROCESSED : MARCH 1984

FIELD ACQUISITION

DATE SHOT : 21-2-84
SOURCE : SINGLE BOLT AIRGUN (80 CU. IN.)
SOURCE DEPTH : 10M BELOW MSL
GUN PRESSURE : 2000 PSI
SOURCE MONITOR : NEAR FIELD HYDROPHONE
MONITOR DEPTH : 13M BELOW MSL
WELL GEOPHONE : GCH 100 HT
RECORDING EQUIPMENT : DCA/DCR
SAMPLE RATE : 2 MS
SURFACE ELEVATION : 97M
WATER DEPTH : MSL
VSP DATUM : MSL
DEPTH REFERENCE : KB AT 23M ABOVE MSL

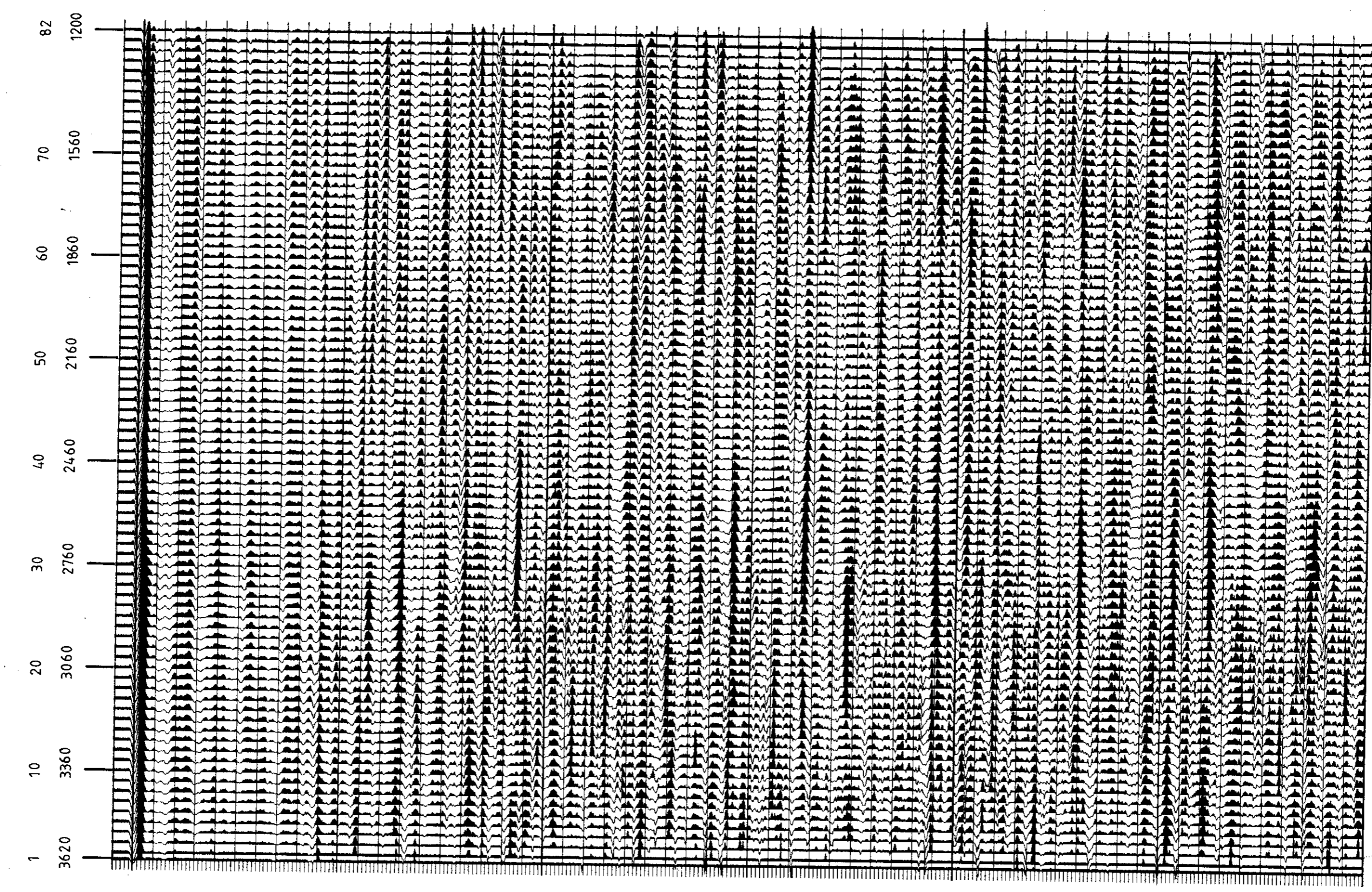
PROCESSING SEQUENCE

DISPLAY 3 : DOWNGOING WAVEFIELD
EDIT
AUTOMATED TRACE ALIGNMENT
STACK OF CONSTANT DEPTH TRACES
SOURCE SIGNATURE DECONVOLUTION (350 MS WINDOW)
BANDPASS FILTER (5-80HZ, 18/24DB PER OCT.)
AMPLITUDE RECOVERY PROPORTIONAL TO T
FIRST ARRIVALS SHIFTED TO ALIGN AT TIME ZERO
13:1 MEDIAN PICK
POST MEDIAN FILTER (3-100HZ 18/24DB PER OCT.)
DISPLAY 3 TRACE EQUALISATION (500 MS WINDOW, 250 MS OVERLAP)
PRIOR TO DISPLAY

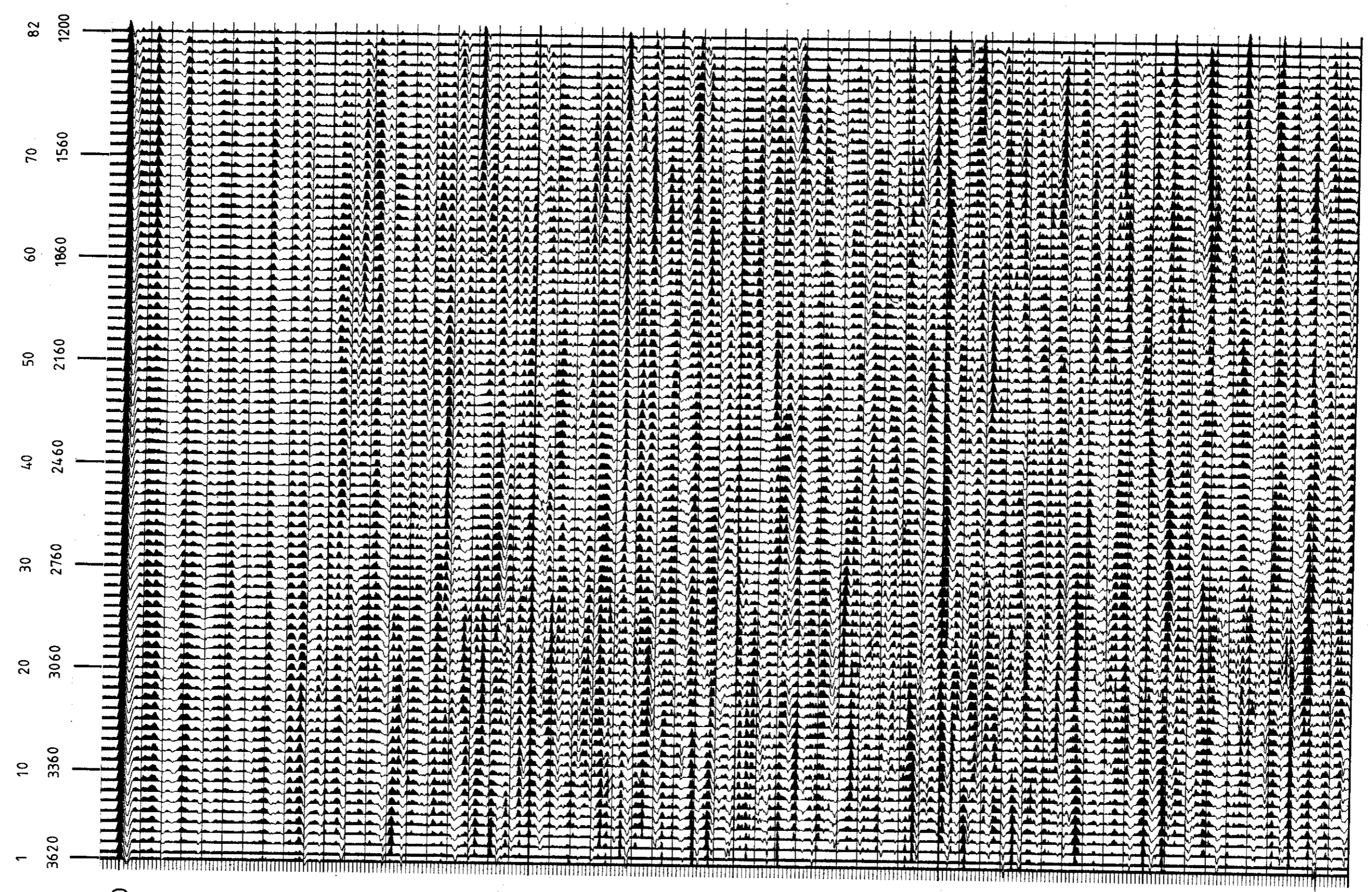
POLARITY 1
AN UPGOING COMPRESSION WAVE IS REPRESENTED BY A WHITE TROUGH
A DOWNGOING FIRST ARRIVAL COMPRESSION WAVE IS A BLACK PEAK

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

DISPLAY 3
(POLARITY 2)



DISPLAY 3
(POLARITY 1)



TIME IN SECONDS

LEVEL N°
DEPTH BELOW
KB IN METRES

3.0