

Mr 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 1 : STACKED GEOPHONE DATA
DISPLAY 2 : SIDE (RESIDUAL) WAVES
POLARITY 1

TIME SCALE : 15 = 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

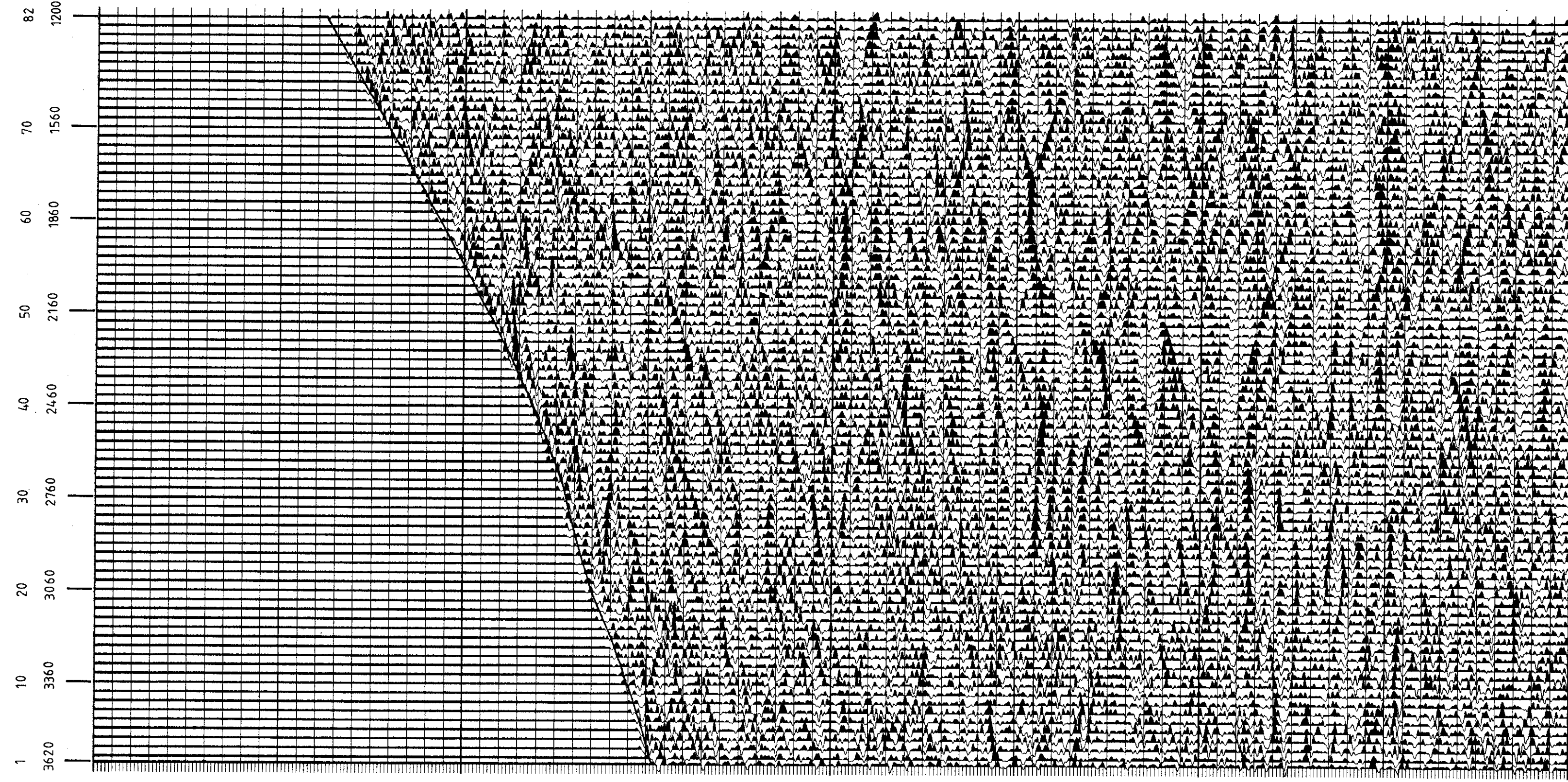
ALL PANELS

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
PLUS

DISPLAY 1 : STACKED GEOPHONE DATA
FIRST ARRIVALS SHIFTED TO ONE-WAY TIME SUB DATUM
DISPLAY 2 : SIDE WAVES
DOWNGOING WAVE SUBTRACTION
UPGOING WAVE SUBTRACTION
FIRST ARRIVALS SHIFTED TO ONE-WAY TIME SUB DATUM
BANDPASS FILTER (AS ABOVE)
TRACKING FILTER (9:1 MEDIAN, 12MS/TRACE LEFT DIP ENHANCEMENT, 12MS/TRACE RIGHT DIP ENHANCEMENT)
POST MEDIAN FILTER (3-100HZ, 18/24DB PER OCT.)
DISPLAY 2 TRACE EQUALISATION: 500 MS WINDOW, 250 MS OVERLAP
PRIOR TO DISPLAY

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

DISPLAY 2



DISPLAY 1

