

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 4. UPGOING WAVEFIELD
DISPLAY 5. DECONVOLVED UPGOING
WAVEFIELD

POLARITY 2

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

FIELD ACQUISITION

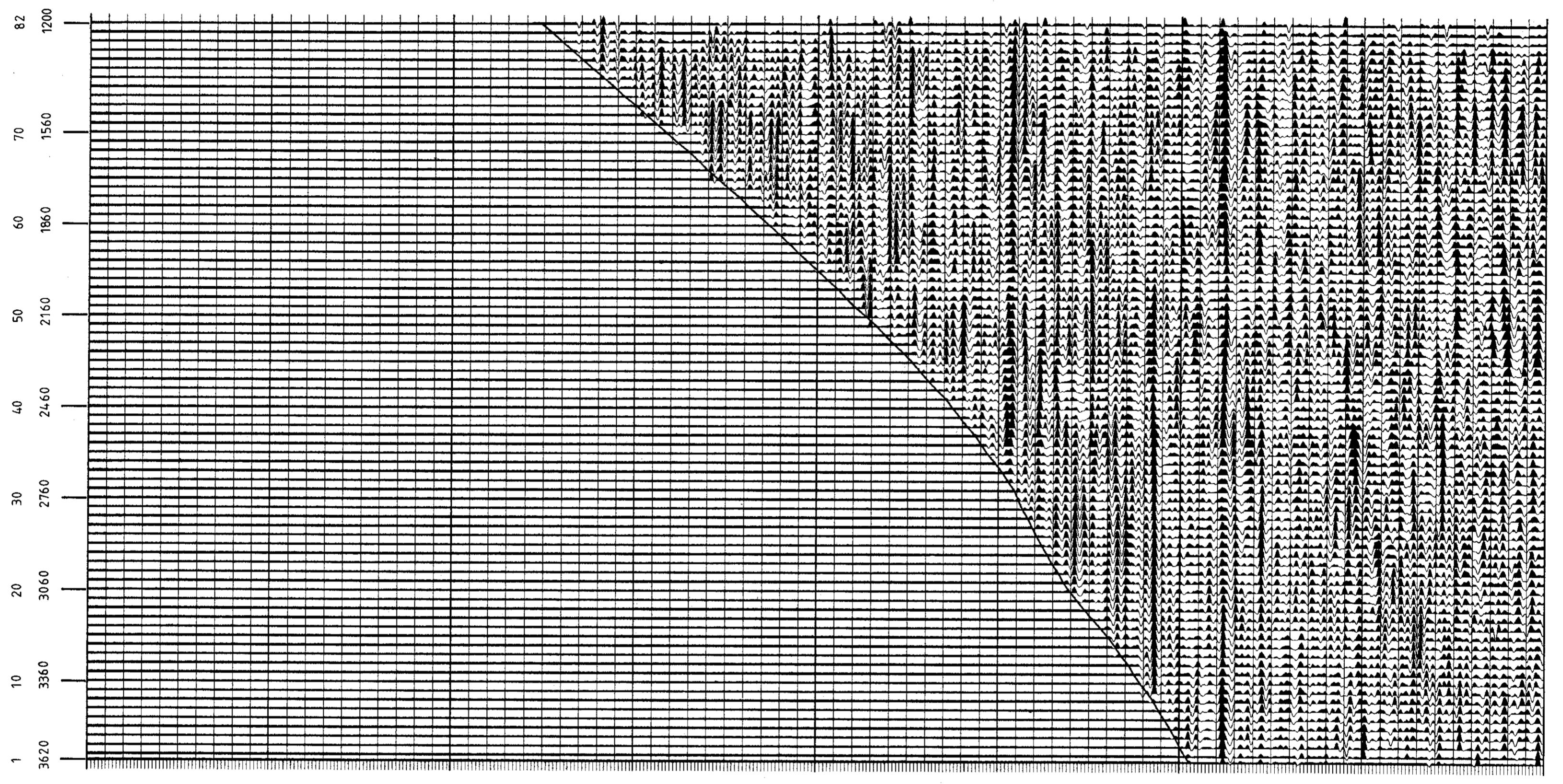
DATE SHOT : 21-2-84
SOURCE : SINGLE BOLT AIRGUN (80 CU. IN.)
SOURCE DEPTH : 10M BELOW MSL
GUN PRESSURE : 2000 PSI
SOURCE MONITOR : NEAR FIELD HYDROPHONE
MONITOR DEPTH : 13M BELOW MSL
WELL GEOPHONE : GCH 100 FT
RECORDING EQUIPMENT : DCR/DCR
SAMPLE RATE : 2 MS
SURFACE ELEVATION : 97M
WATER DEPTH : MSL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

PROCESSING SEQUENCE

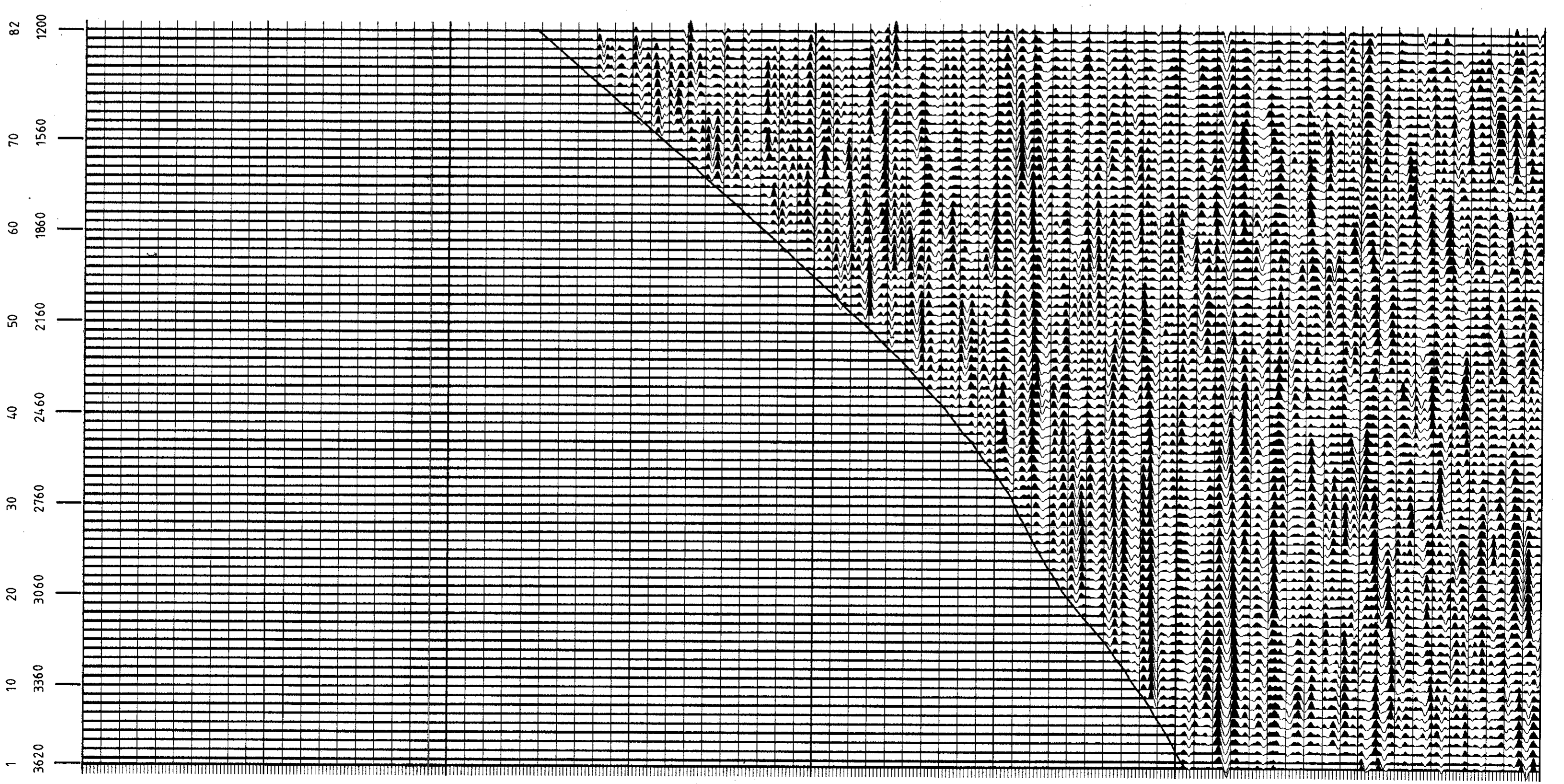
ALL PANELS
EDIT
AUTOMATED TRACE ALIGNMENT
STACK OF CONSTANT DEPTH TRACES
SOURCE SIGNATURE DECONVOLUTION (350 MS WINDOW)
BANDPASS FILTER (5-80HZ, 18/24DB PER OCT.)
AMPLITUDE RECOVERY PROPORTIONAL TO T
PLUS
DISPLAY 4 : UPGOING WAVEFIELD
DOWNGOING WAVE SUBTRACTION
FIRST ARRIVALS SHIFTED TO TWO-WAY TIME SUB DATUM
TIME VARIANT FILTER FROM SEISMIC SECTION (LINE ST8215-122)
(10-60HZ, 18/24DB PER OCT 0.0-3.0S
10-50HZ, 18/24DB PER OCT 3.05-END OF DATA)
9:11 MEDIAN PICK
POST MEDIAN FILTER (3-70HZ 18/24DB PER OCT.)
DISPLAY 5 : DECONVOLVED UPGOING WAVEFIELD
DOWNGOING WAVE SUBTRACTION
FIRST ARRIVALS SHIFTED TO TWO-WAY TIME SUB DATUM
SPECIAL USP DECONVOLUTION (750MS DERIVATION WINDOW)
TIME VARIANT FILTER (AS ABOVE)
9:11 MEDIAN PICK
POST MEDIAN FILTER (3-70HZ 18/24DB PER OCT.)
DISPLAYS 4 & 5 TRACE EQUALISATION (500 MS WINDOW, 250 MS OVERLAP)
PRIOR TO DISPLAY

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

DISPLAY 5



DISPLAY 4



LEVEL No
DEPTH BELOW
KB IN METRES

0.0
1.0
2.0
3.0
4.0

TIME IN SECONDS