

THE AQUAPULSE SYSTEM



AREA : PANTELLERIA

PROSPECT : ZONE "C"

WESTERN  
GEOPHYSICAL  
DIVISION OF LITTON INDUSTRIES  
MILAN DIGITAL CENTER

RECORDING DATA

PARTY NO. 62  
ENERGY SOURCE AQUAPULSE  
FILTER 10-80 HZ  
CABLE 1600 m.  
GEOPHONES 32 CRYSTAL ELEMENT  
TAPERED ARRAY  
LEAD IN 760'  
AMPLIFIER REDCOR BINARY GAIN  
CHARGE SIZE 4 GUNS POP  
DATE SHOT MARCH 1969

PROCESSING INFORMATION

SAMPLE RATE 4ms

DECONVOLUTION

DECONVOLVED BEFORE STACK

AUTO CORR. INT. TIME VARIANT  
MAX. APERTURE 0-400 ms.  
TIME ZONE 0-5 Sec.  
ITERATIONS 2

TIME VARIANT FILTER

| TIME ZONE     | L.C. |    | H.C. |    |
|---------------|------|----|------|----|
|               | Hz   | dB | OCT  | Hz |
| 0.125 - 0.300 | 20   | 6  | 60   | 6  |
| 0.300 - 0.900 | 10   | 6  | 60   | 6  |
| 0.900 - 1.400 | 10   | 6  | 50   | 6  |
| 1.400 - 1.900 | 10   | 6  | 35   | 6  |
| 1.900 - 5.000 | 5    | 6  | 30   | 6  |

PROCESSING SEQUENCE

- 1) EDIT - (SUM 4 POPS)
  - 2) DECONVOLVED BEFORE STACK
  - 3) NORMAL MOVE OUT
  - 4) 1200 % STACK
  - 5) TV FILTER
  - 6) PLAYBACK (UNFILTERED)
- ▼ = VELOCITY ANALYSIS

REEL NO. 76838  
DATE JUNE 1969

LINE : C-1012 Ext.

S.P. 43<sup>D</sup> to S.P. 1<sup>D</sup>

DATUM PLANE : SEA LEVEL

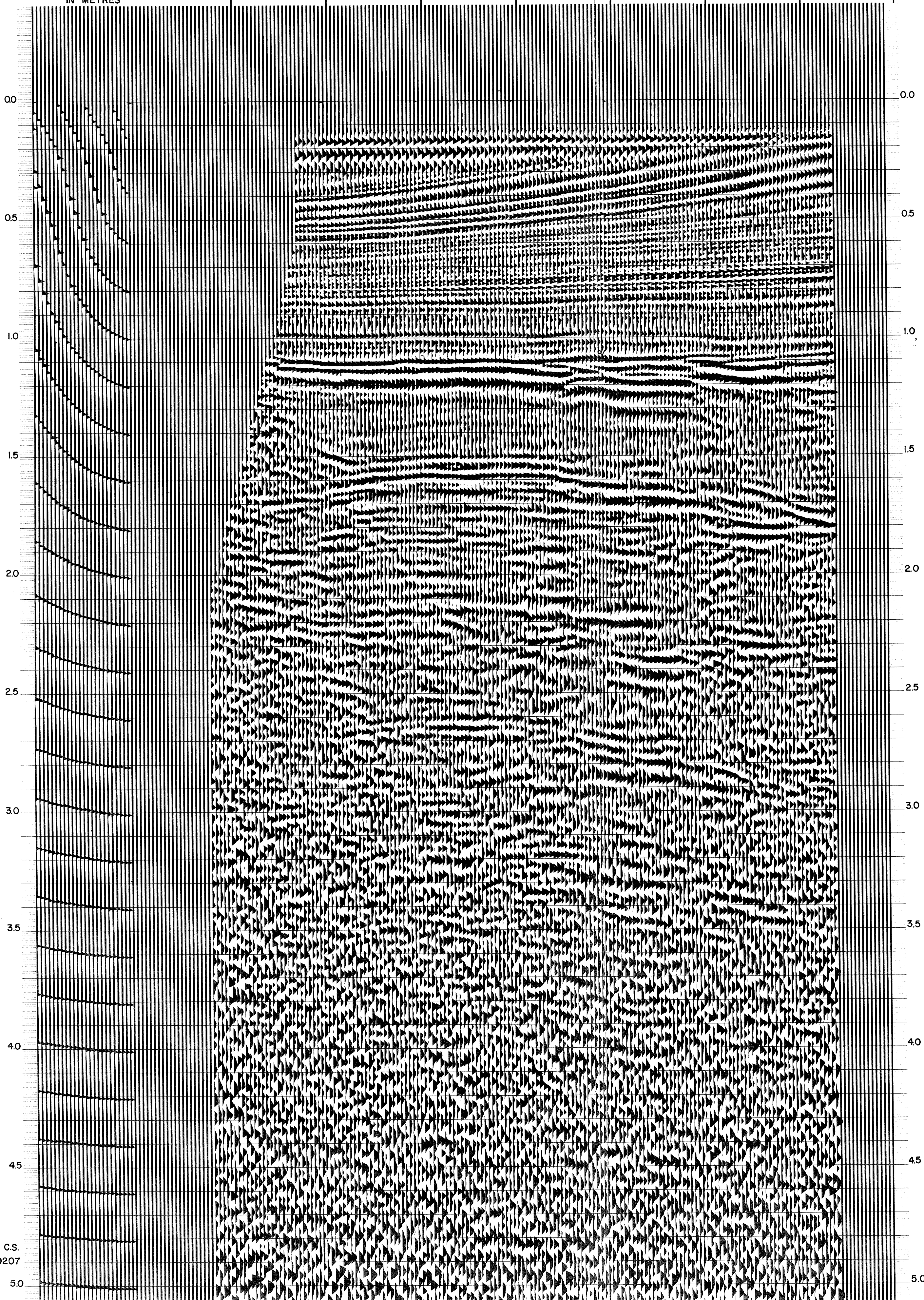
NORTHEAST

M-ITSI 5213

INTERSECTION  
LINE S.P.  
C-551A 38

43<sup>D</sup> 37 31 25 19 13 7 1<sup>D</sup>

WATER DEPTH  
IN METRES



C.S.  
9207  
5.0