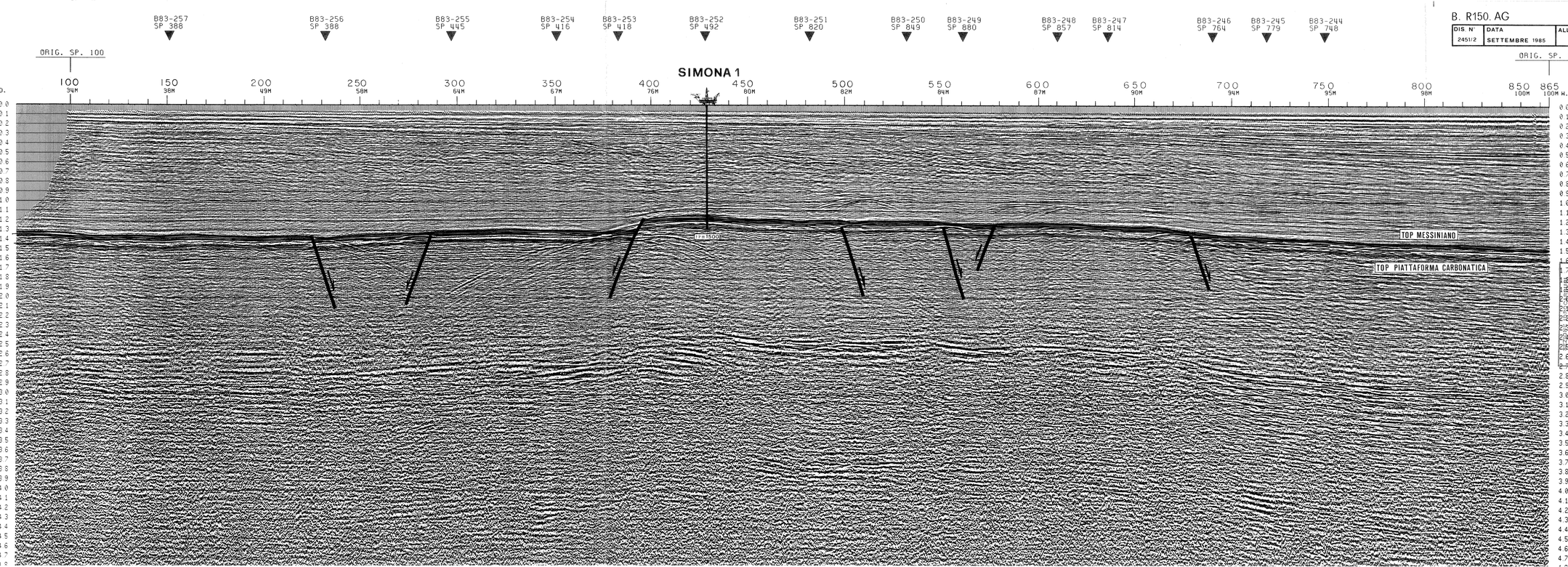



B. R150. AG

| DIS N° | DATA | ALL |
|---|---|---|
| 2451/2 | SETTEMBRE 1985 | 2 |

# LINE B83-234

S.P. 100 TO 865

2800PCT.DBS.DAS.TVF.

NORTHEAST

AGIP

WESTERN RICERCHE GEOFISICHE
MILAN - ITALY

AREA: ADRIATIC SEA
PROSPECT: OFFSHORE KATIA

CONTRACT NR
DATE OF RECORDING: JANUARY 1985
DATE OF PROCESSING: MAY 1985

## RECORDING DATA

BOAT
SHOT BY: HORIZON EXPLORATION
VESSEL: NORTHERN HORIZON

SOURCE
SYSTEM: SODENA MICRO-T
NUMBER OF GUNS: 4
TOTAL CAPACITY: 950 CU. IN.
PRESSURE: 2000 P.S.I.
DEPTH: 4 M
NUMBER OF SHOTS PER S.P.: 1
S.P. INTERVAL: 25 M

RECORDING SYSTEM
MODEL: DFS-V
MANUF.: I/O SYS. & TEXAS
SAMPLING-RT: 1/2 SEC. & 2 MSEC
SAMPLE RATE: 125 / 500 HZ
RECORD LENGTH: 6 SEC
DATA CONSTANT: 32 BIT
FILTERS: LOW-CUT 12 HZ, 18 DB/OCT
HIGH-CUT 250 HZ, 72 DB/OCT

STREAMER
CABLE LENGTH: 1500 M
TYPE: FRIGLA SEISMIC
BIRDFINNES: 001-0045
HYDROPHONES PER GROUP: 24
GROUPS: 96
GROUP INTERVAL: 25 M
DISTANCE FROM CENTER OF NEAR GROUP FROM SOURCE: 50 M
SOURCE TO CENTER OF NEAR GROUP: 86 M
CENTER OF NEAR GROUP TO FAR GROUP: 2375 M
CABLE DEPTH: 6 M




SCALES
HORIZONTAL.... 1 CM/KM
VERTICAL..... 1 CM/SEC

LEGEND
VELOCITY FUNCTION
INTERSECTIONS
WATER DEPTH
USING WATER VEL. 1500 M/SEC
VELOCITY ANALYSIS
X COMPUTER PLOT

W.D.

R.C. FOR W.S.L.

## PROCESSING SEQUENCE

DEMULTIPLEX
SUBSAMPLED TO 2 MS

DESIGNATURE
DETERMINISTIC APPROACH
MINIMUM PHASE OUTPUT

D.B.S.
DECON TYPE: MIN PHASE INVERSE FILTER
OPERATOR LENGTH: 2 X 2500 MS
WHITENING: 0.1 PCNT
PEF PREDICTION DISTANCE: 2 MS
PERCENT WHITE LIGHT: 0.1 PCNT
SUBSTITUTE TRACES APPLIED
TRACE BALANCE ON OUTPUT

VELOCITY ANALYSIS
MATRIX FUNCTION WEIGHTS
CONSTANT VELOCITY STACK

ZERO-OFF. N.M.O. STACK
MUTE APPLIED
DYNAMIC CORRECTION

D.B.S.
1. SHIFTED TO ZERO PHASE/STATISTICAL APPROACH
2. RESIDUAL STATIC CORRECTION (SURFACE CONSISTENT)
3. VELOCITY ANALYSIS EVERY 1250 M (CDP NUMBER 1 STEPPED TO 1251) - 1250 M (CDP 1252-2501)

TIME VARIANT FILTER

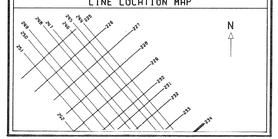
| TIME (MSEC) | FILTER L.C. HZ-SLOPE/OCT | H.C. HZ-SLOPE/OCT |
|---|---|---|
| 0-1 | 10 / 24 | 110 / 48 |
| 1-2 | 10 / 24 | 110 / 48 |
| 2-3 | 10 / 24 | 100 / 48 |
| 3-4 | 10 / 24 | 90 / 48 |
| 4-5 | 10 / 24 | 80 / 48 |
| 5-6 | 10 / 24 | 70 / 48 |

ALL SUBSEQUENT TIMES
FILTERING APPLIED BOTH SPATIALLY AND TEMPORALLY (TIME) WERE SELECTED TO FOLLOW THE GEOLOGIC STRUCTURE BY APPROX. 1500 MS.

DAS DATA
GAIN CHANGES INTRODUCED FROM 250 MS TO 1000 MS.

COMMENTS
DATUM PLANE IS SEA LEVEL.
COMPRESSION PULSES SHOW AS NEGATIVE NUMBERS ON TAPE AND PLOT AS TROUGHS (WHITE).
SUM PHD CABLE CORRECTION OF 3MS APPLIED.

LINE LOCATION MAP




Prod. N. 10501

15 OTT. 1985

http://www.dirkmaus.com