CGG - DATA PROCESSING SERVICES
6 RUE GALVANI 91301 MASSY FRANCE

AGIP
COMPANY

AGRIGENTO
AREA

CL 333-83
LINE

SW 122 399 NE
SHOT POINTS

MIGRATION IN TIME

SURVEY 127 35 40
PL 14M
JULY 28.1983

FIELD RECORDING

RECORDED BY CGG FEBRUARY 24-MARCH 01.1983

RECORDING PARAMETERS LENGTH 7S SAMPLING 2 MS
12.5 HZ LOW CUT FILTER
125 HZ ANTIALIASING FILTER
RECORDING SPREAD STRADDLE SHOOTING.96 TRACES 30M INTERVAL

DETECTORS 27 GEOPHONES (SM4.10HZ)PER TRACE

DETECTOR ARRAY X-X-X-X-X-X-X-X-X-X
I-----30 M-----I
SEISMIC 0-X-X-X-X-0-X-X-X-X-0 LINE
I 10M BARYCENTER
X-X-X-X-X-X-X-X-X-X 0 STATION
I 48M I X DETECTORS

RECORDER SERCEL SN 348 96 TRACES
TAPES 9 TRACKS 1600 BPI 8269 70 71 72 73 74
SOURCE EXPLOSIVES CHARGE 6 TO 20 KGS 1 HOLE
HOLE DEPTHS 18 TO 24 METERS
SHOT POINT INTERVAL 30 TO 1000 M MAXIMUM LATERAL OFFSET 120M

SURFACE CORRECTIONS

STATICS COMPUTED BY UPHOLE AND FIRST BREAK METHODS
VELOCITY FOR STATIC CORRECTIONS : 2000 M/S
DATUM PLANE : SEA LEVEL
CORRECTION SIGN: POSITIVE CORRECTIONS SHORTEN TIMES

PROCESSING SEQUENCE

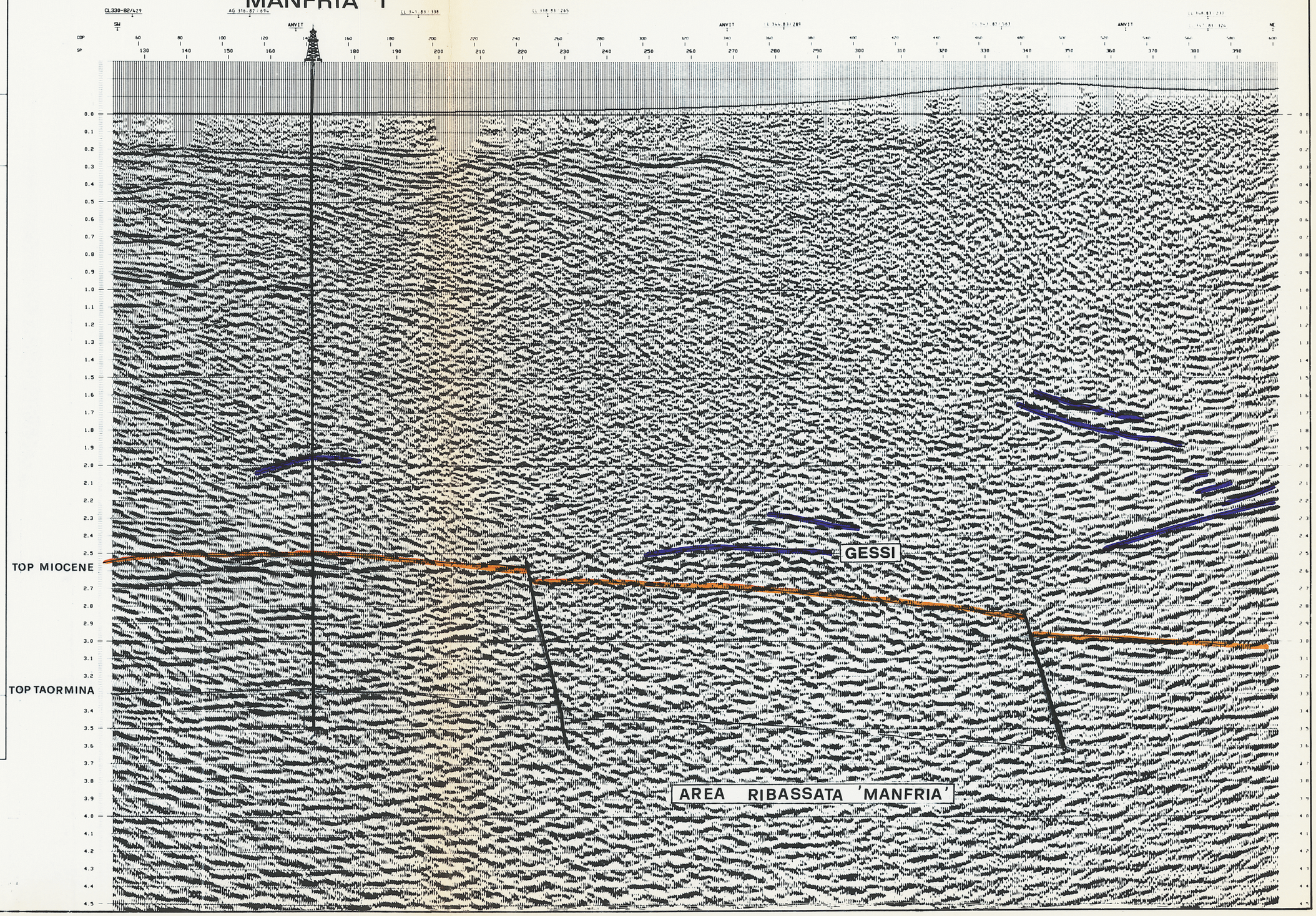
PROCESSED LENGTH 7 SEC IN 4 MS

DEMULTIPLEXING
RESAMPLING 2MS TO 4MS
AMPLITUDE RECOVERY
REFLECTION POINT (SP) GATHERING
STATIC CORRECTIONS FROM GROUND LEVEL TO DPC
DECONVOLUTION MINIMUM PHASE, 1 OPERATORS,LENGTH 120MS
T350 T1400,T1200 T2400,T2300 T4000,T1050
TIME VARIANT FILTER* 9HZ 80HZ,T0 T800,12HZ 80HZ,T1200 T2000,
7HZ 55HZ,T3600 T7000
LINEAR INTERPOLATION BETWEEN GATES
TRACE EQUALIZATION OPERATOR LENGTH 600MS
VELOCITY ANALYSIS VELOCITY SCAN AND ANVIT BIGGATHER
NMO CORRECTIONS * LINEAR INTERPOLATION BETWEEN VELOCITY FUNCTIONS
AUTOMATIC STATICS SATAN
STACK 1600 0 0 FOLD
TIME VARIANT FILTER* 9HZ 55HZ,T0 T800,12HZ 55HZ,T1200 T2500,
7HZ 45HZ,T3600 T5000,7HZ 35HZ,T6000 T7000
TRACE EQUALIZATION OPERATOR LENGTH 1000MS
MIGRATION IN TIME WAVE EQUATION
STACK VELOCITIES MINUS:
T 0 T3000+10 0 0
T3000 T5000+15 0 0
T5500 T7000+20 0 0
STATIC CORRECTIONS FROM DPC TO DP
ANALOG DISPLAY

* ORIGIN OF THE TIMES IS AT THE DP OF COMPUTATION (DPC+AVERAGE GROUND LEVEL DISPLAYED ON TOP OF THE SECTION BY A BLACK PIP)

ANALOG DISPLAY PARAMETERS

HORIZONTAL SCALE 1KM=8CM
VERTICAL SCALE 1SEC=10CM
VELOCITY OF HOMOGENEITY : 2500M/S
DATUM PLANE : SEA LEVEL

ALL	DATA	DISEGNO N°
	GIUGNO 1984	43A/8

MANFRIA 1