ELF ITALY

PROSPECT CR 94 PX

LINE CR94-05

S.P.: 1 - 550

FILTERED STACK SECTION

N. (360)

RECORDING PARAMETERS

RECORDED BY	DSGI	DATE	JULY 1984
BOAT	M/V CLIFTEN CAMERON	PARTY	127 / 85
INSTRUMENT	SN 338B	GAIN CONSTANT	24 DB
SAMPLE RATE	4MS 120B/OCT	HIGH CUT	125HZ, 72DB/OCT
SAMPLE RATE	2MS	RECORD LENGTH	6 SECS
SHOT INTERVAL	25M	FOLD	60
SOURCE	AIRGUN	GUN DEPTH	5.0M
STREAMER DEPTH	9M / 7.2	GROUP LENGTH	12.5M/50M
NUMBER OF GROUPS	96	GROUP INTERVAL	12.5M/50M
FOLD TAPE FORMAT	9 CH	TAPE DENSITY	1600 BPI
RECORDING POLARITY	COMPRESSION WAVE RECORDED AS NEGATIVE NUMBER ON TAPE		

SOURCE-RECEIVER PATTERN

ANTENNA	SOURCE	1 2 3 4 5 6 7 8 9	AT SP
*	*	X X X X X X X X X	1

PROCESSING PARAMETERS

PROCESSED 60 FOLD CDP STACK PROCESSING SAMPLE RATE 4 MS

RECORDING ERROR

INVERSION OF SOURCE WAVELET TO MINIMUM PHASE

MINIMUM PHASE ANTI-ALIAS FILTER APPLIED, CUT OFF 90 HZ, 72DB OCT

RESAMPLE FROM 2MS TO 4MS

AUTO REMOVAL EXPONENTIAL GAIN RATE: +3 DB, FROM 0.2 SECS TO 3.0 SECS

ADJACENT TRACE SUMMATION GROUPS: 1 TO 8 TO GIVE 50.0M GROUP INTERVAL

DESIGN ON A MINIMUM PHASE WAVELET TO ZERO PHASE

60 FOLD CDP GATHER

DECONVOLUTION BEFORE STACK: PREDICTIVE LENGTH: 160 MS OF +50MS GAP

WATER VELOCITY 1500 M/SEC

TIME RANGE 0.0 - 5.0 SECS

VELOCITY CORRECTIONS USING PARAMETERS FROM DIGICON'S VELOCITY ANALYSIS PROFILE EVERY 4 KILOMETRE

TIME EXPANSION TO 12 FOLD WATER DIFFERENTIAL MOVEOUT CORRECTION

RANDOM NOISE REMOVAL USING DIGICON'S LUAR ON COMMON OFFSET SORTED DATA

NORMAL MOVEOUT CORRECTION AND MAS STRETCH SUPPRESSION

60 FOLD CDP STACK

SHOT AND STREAMER STATIC CORRECTION +/-12 MSEC

SPHERICAL DIVERGENCE CORRECTION

FINITE IMPULSE RESPONSE FILTERING

PASSING DIPS BETWEEN 48 AND 0 MS PER TRACE

TIME VARIANT DIGITAL PHASE FILTERING

TIME SECS	FREQUENCY HZ
0.0 - 1.0	12 - 52
1.0 - 2.0	9 - 42
2.0 - 3.0	7 - 32
3.0 - 4.0	5 - 22

COMPLEX TRACE ANALYSIS

FREQUENCY DOMAIN FILTERING USING DIGICON'S FAVROT

NORMAL MOVEOUT, DATUM 0MS

HILBERT REVERSAL

DISPLAY PARAMETERS

POLARITY CONVENTION COMPRESSION WAVE DISPLAYED AS A PEAK ON DATA

HORIZONTAL SCALE 1:12500/100 CM = 2KM PART CHIP 1/2"

VERTICAL SCALE 1:12.5CM/SEC = 1SEC RED NUMBER 1.4492

DATE JANUARY 1988

PLOTTED ON SEISCHROME LASER 300 DPI, 50% OVERLAP

KILOMETRES

0.0 4.0 8.0 12.0 16.0 20.0

DIGITAL EXPLORATION LIMITED
SPRINGFIELD
GLASGOW, SCOTLAND
ENGLAND

PROCESSED ON A VAX 11/780 USING DIGICON'S PROPRIETARY DISCO SOFTWARE

SEZIONE DI ROCCABURI
E GEOTERMIA DI NAPOLI
23 MAR. 1990
Prot. N. 1943

DIR. EXPLORATION

Date: 11/88

Auteur: MULLER

Dess: CIPULLO

N°Classt: Cq4.12y194

All. 1

1 Km

S

N

C.R94-PX

TETTO HYBLA

TETTO LIAS

BASE LIAS

ORIZZONTE VICINO AL TETTO DELLA TAORMINA

?

LINE 1