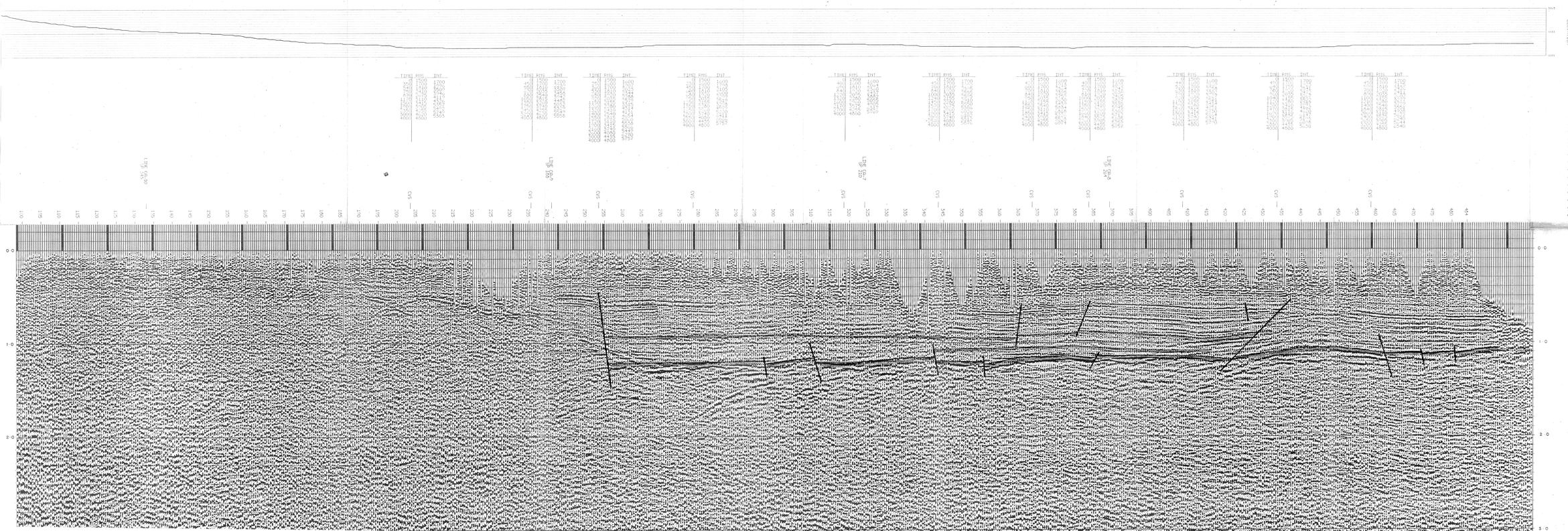

SEFEL J. & ASSOCIATES
DATA PROCESSING CONSULTANTS
(LONDON)

CLIENT SOCIETA ITALIANA RESINE

DBS
PULSE COMPRESSION
TVF

SPS 100-484

PROSPECT CANCELLO-NOCELLETO

LINE CA-12 DIRECTION SE

FIELD PARAMETERS

RECORDED BY SIGS PORTY - 77016
CREW NUMBER SYSTEM - DFS V
FORMAT - SEGB GAIN - F.F.P.
ENERGY SOURCE
TYPE - DYNAMITE CHARGE SIZE - 2-5KGS
DEPTH - 13-24M
CABLE
LENGTH - 2350M NO TRACES - 48
GROUP INTERVAL - 50M ARRAY - 24 GEOPHONES/TR
OFFSET - IN LINE 10-2350M
PARAMETERS
RECORDING FOLD - 600 SP. SPACING - 200M
SAMPLE INTERVAL - 2MS RECORD LENGTH - 6SECS.
RECORDING FILTER - LOW 12HZ HI 128HZ
RECORDING DIRECTION - NW-SE
RECORDING POLARITY - GEO B/P GIVES TAPE +

PROCESSING SEQUENCE

1 DEMULTIPLEX WITH BG RECOVERY
2 SUBSAMPLE FROM 2-4MS
WITH ANTI-ALIAS FILTER
3 TRACE GATHER WITH EDIT
4 FIELD STATICS TO DATUM PLANE
5 NOTCH FILTER 50HZ
6 DECONVOLUTION MINIMUM PHASE
OPERATOR 200MS GAP 12MS
DERIVATION WINDOW 500-3500
APPLICATION WINDOW 0-5000
(SLIDING)
7 PRE-FILTER 10HZ LOW CUT
8 VELOCITY ANAL. CONSTANT VELOCITY STACKS
24 TRACE ANALYSES
9 MMO AND MUTE
10 AUTO-STATICS +-20MS CORRECTION
11 REL AMPLITUDE RESIDUAL AMP CORRECTIONS
12 STACK
13 PULSE COMPRESSION
14 FILTER TIME VARIANT
ALL SPS
15-60 0-500
12-60 1100-1700
12-50 2000-5000

FILTERS INTERPOLATED LINEARLY BETWEEN
APPLICATION TIMES
APPLICATION TIMES INTERPOLATED LINEARLY
BETWEEN SHOT POINTS

15 EQUALISATION 500MS O-LAPPING WINDOWS
16 DISPLAY

COMMENTS

PROCESSING SAMPLE RATE 4MS
DATUM CORRECTION MSL