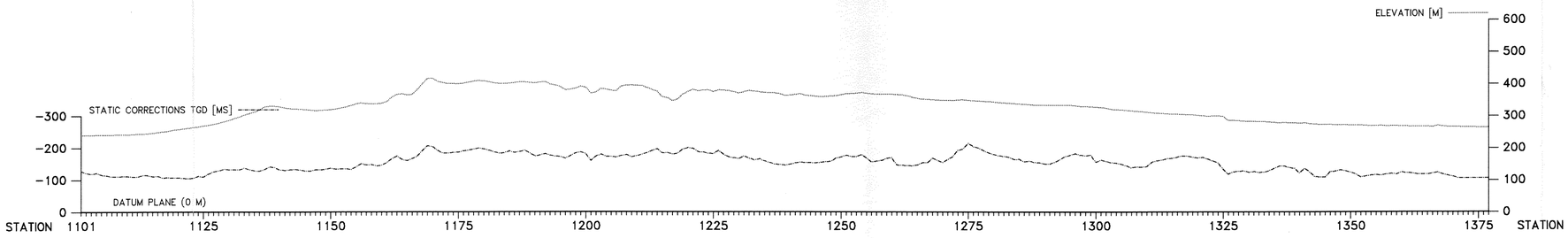
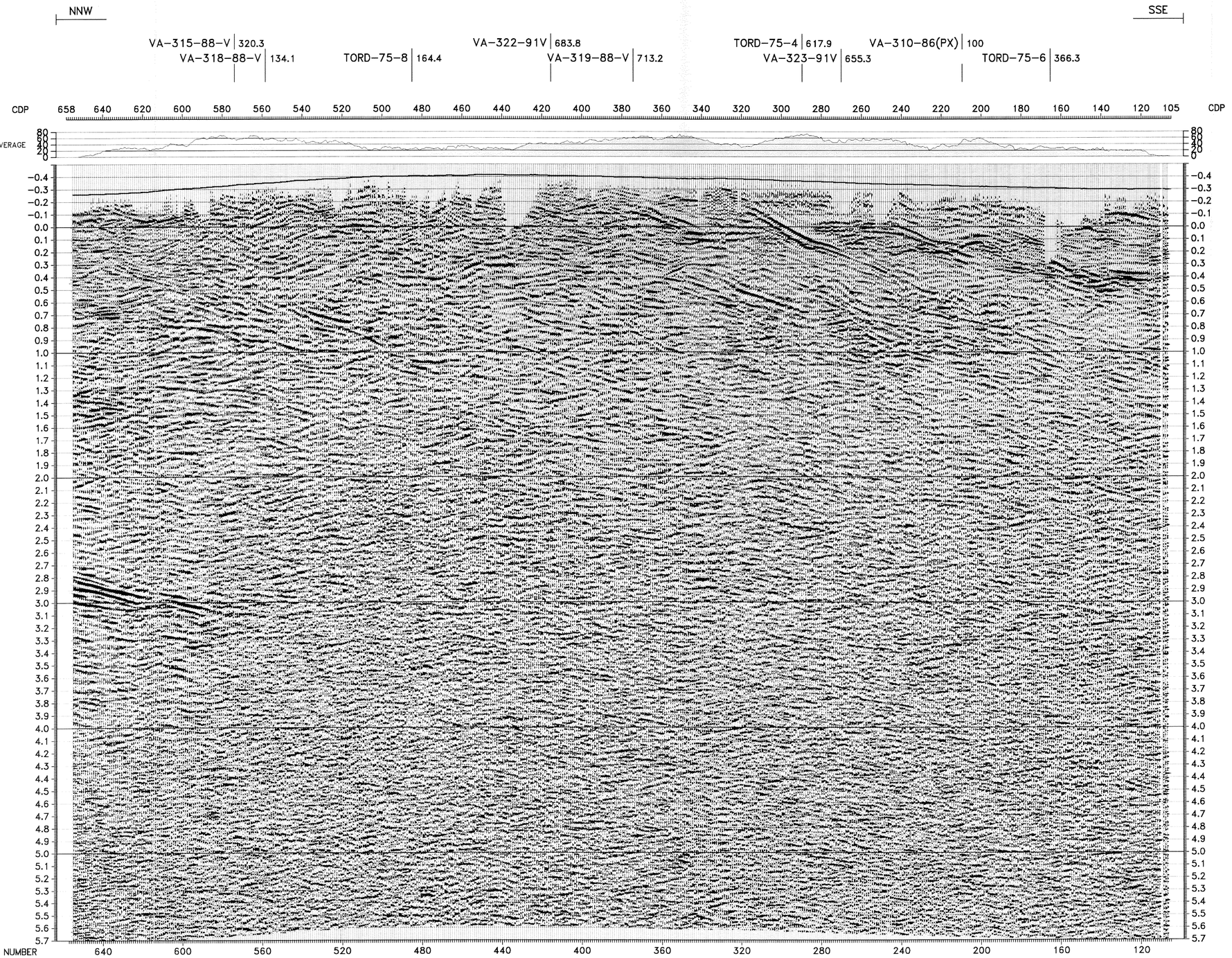
VA-324-91V(WL)





RECORDING

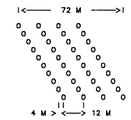
CONTRACTOR : C.G.G.
FIELD PARTY : 127 35 78

RECORDING PERIOD : AUGUST 1991
RECORDING SYSTEM : SN 388
GAIN CONTROL : I.F.P
FILTER : LOW-CUT 8 HZ 18 DB/OCT
HIGH-CUT 89 HZ 72 DB/OCT
NOTCH OUT
POLARITY OF SYSTEM : SEG-CODE 0001
COMPRESSIONAL EVENTS = NEGATIVE NUMBERS
TAPE FORMAT : SEG-D , 6250 BPI
RECORD LENGTH : 16 + 8 S
SAMPLING RATE : 4 MS
RECEIVER TYPE : SM4 U (10 HZ)
NO. OF GROUPS 80
NO. OF LINES 3
SPACING 40 M
GROUP LENGTH 76 M

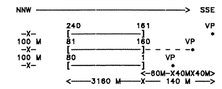
RECEIVER PATTERN : LIN 18 + 76 + 0

SUBSURFACE COVERAGE: 40 FOLD
(CENTRAL THEORETICAL LINE)

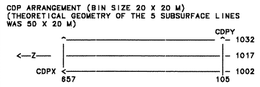
ENERGY SOURCE : VIBROSEIS
SOURCE PATTERN : 10 SWEEP / 4 VIBRATORS
SWEEP : 7 – 70 HZ



EMITTER RECEIVER CONFIGURATION:



CDP ARRANGEMENT (BIN SIZE 20 X 20 M)
(THEORETICAL GEOMETRY OF THE 5 SUBSURFACE LINES WAS 50 X 20 M)



PROCESSING

A 1055

INPUT CREW : KOELLE
SUPERVISOR: WAGENBRETH
PRAKLA-SEISMOS PROCESSING NO. 91 5 135 50

1 INPUT : TAPE FORMAT: SEG-D, 6250 BPI
SAMPLING RATE 4 MS, 120 CHANNELS,
PROCESSING LENGTH 8 S
2 3D SORT-MEANDER, BIN SIZE 20 X 20 M
CENTRAL LINE CDPY 1017
(CDPX 105 – 658, CDPY 1002 – 1032)
3 CORRECTION OF SPHERICAL DIVERGENCE
4 RESIDUAL CORRECTION OF AMPLITUDE DECAY
5 MINIMUM-PHASE TRANSFORMATION OF RECORDER RESPONSE
6 DECONVOLUTION: SPIKE, PREWHITENING 1%
2 GATES, OPERATOR LENGTH: 120 MS

TRAVEL TIMES [MS]		100% TIME [MS]	
SHOTNEAR	SHOTFAR	SHOTNEAR	SHOTFAR
140 M	3300 M	140 M	3300 M
800–2800	1900–2800	1800	2300
2400–4400	2400–4400	3400	3400

7 STATIC CORRECTIONS (CALCULATED BY THE FIELD PARTY)
(GKG1) CORRECTION VELOCITY: 2000 M/S,
DATUM PLANE: SEA LEVEL
RECALCULATED FOR INTERMEDIATE TIME LEVEL (ITL)
AUTOMATIC RESIDUAL STATIC CORRECTIONS
(SURFACE CONSISTENT, 4 ITERATIONS,
GATE: 0 – 3000 MS)
8 DYNAMIC CORRECTIONS (DERIVED FROM CVS)
9 BEAM STEERING
10 NORMALIZATION USING AVERAGE VALUES
(6 GATES,SEE TABLE)
11 COHERENCY FILTER : CROSSLINE AND INLINE
12 HORIZONTAL STACKING: 40 FOLD
CDPX 107 – 655 CDPY 1015 – 1016
13 ZEROPHASE-TRANSFORMATION
14 COHERENCY-FILTER
15 BLOCK CORRECTION : 500 MS
16 CORRECTION FROM INTERMEDIATE TIME LEVEL TO
DATUM PLANE 0 M,CORRECTION VELOCITY : 2000 M/S
17 STATIONARY FREQUENCY FILTER

100% TIME MS	LOW-CUT HZ	DB/OCT	HIGH-CUT HZ	DB/OCT
0 – 8000	12	24	80	48

18 NORMALIZATION USING AVERAGE VALUES
(8 GATES,SEE TABLE)
19 DISPLAY: SCALE 1:25000, 1 S = 5 CM,
TRACE SPACING: 0.8 MM
POLARITY : SEG (COMPRESSIONAL EVENTS = WHITE)

TIMES REFER TO INTERMEDIATE TIME LEVEL

all.2

AGIP S.P.A.
ITALY

Agip

INPUT CREW: A. KOELLE
DATE: 25.09.1992

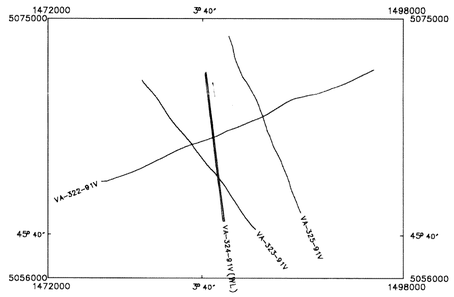
S.1:25000

ENCL. 4A

CASTEL SEPRIO 1991
LINE VA-324-91V(WL)
CDPX 106 – 656 CDPY 1015–1016
STACK
40 FOLD

915 150

Schlumberger
GECO-PRAKLA



NORMALIZATION BEFORE STACK

GATE	LENGTH [MS]	CENTRE [MS]
1.	400	200
2.	800	800
3.	1700	1850
4.	2000	3400
5.	2000	5000
6.	2400	6800

NORMALIZATION AFTER STACK

GATE	LENGTH [MS]	CENTRE [MS]
1.	300	150
2.	300	350
3.	300	550
4.	500	850
5.	1800	1900
6.	1800	3600
7.	1800	5200
8.	2400	6800

TIMES REFER TO INTERMEDIATE TIME LEVEL