PE-372-83

S.P. 121 TO S.P. 322

NE

800PCT DBS-STK-TVF

MARCA DA BOLLO LIRE 500

SP 139.00	
TIME	RMS VEL
0.10	2790
0.39	3040
0.50	3260
0.78	3910
1.11	4402
1.54	4580
2.89	4780
5.00	4890
7.00	4990

DATUM CORR. -10 MS

SP 174.00	
TIME	RMS VEL
0.10	2710
0.18	3080
0.36	3300
0.64	3750
1.01	4100
1.68	4390
2.68	4620
5.00	4790
7.00	4890

DATUM CORR. 8 MS

SP 196.50	
TIME	RMS VEL
0.10	2630
0.24	2860
0.48	3370
0.61	3900
0.98	4530
1.25	4700
1.93	4830
3.00	5020
7.00	5120

DATUM CORR. 62 MS

SP 221.50	
TIME	RMS VEL
0.11	2400
0.24	2850
0.37	2900
0.49	3390
0.69	3650
0.93	3880
1.20	4030
2.21	4210
3.93	4300
6.00	4500
7.00	4600

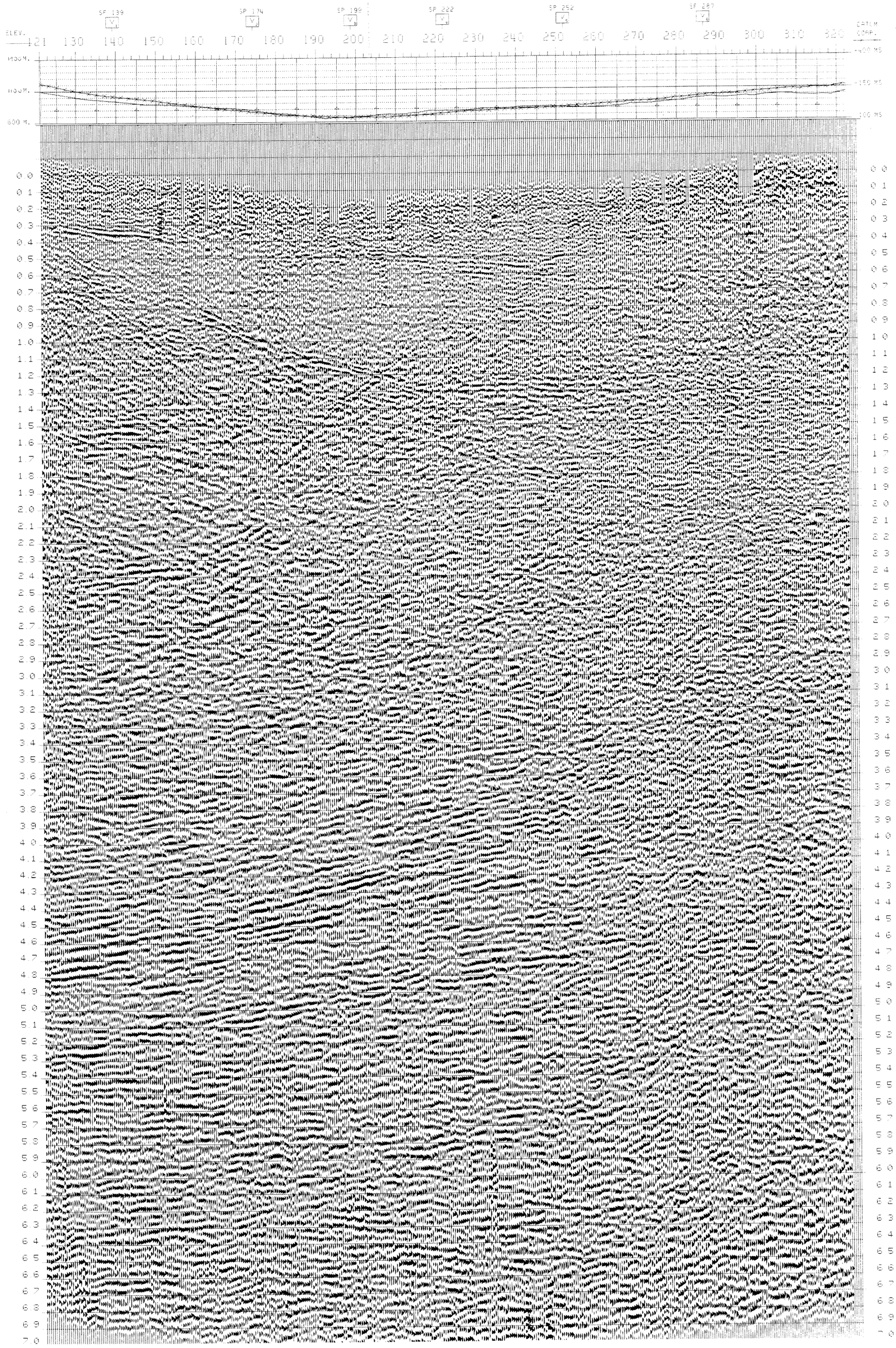
DATUM CORR. 94 MS

SP 251.50	
TIME	RMS VEL
0.04	2570
0.11	3160
0.23	3350
0.63	3680
0.75	3660
1.30	4190
2.53	4400
4.93	4400
6.00	4470
7.00	4770

DATUM CORR. -5 MS

SP 286.50	
TIME	RMS VEL
0.11	2910
0.23	3180
0.38	3850
1.15	4280
2.30	4550
6.00	4800
7.00	4900

DATUM CORR. 82 MS



0 1 KM

SORI WESTERN

RICERCHE GEOFISICHE

ITALIA-ZONA 4
PROSPECT PRETORO

DATE SHOT.....AUGUST.1983
DATE PROCESSED.....SEPTEMBER.1983

RECORDING DATA

DATUM PLANE = 800M ASL

STATICS COMPUT.VELOCITY 2700 M/SEC

INSTRUMENTS

CONTRACTOR	GLOBE EXPLORATION
PART: NUMBER	GLOBE-4
RECORDING SISTEM	HDDR 4200
FORMAT	HDDR-A32
RECORDING FILTERS	15HZ-240B/OCT
ANTIALIAS FILTERS	108.7HZ-620B/OCT
NOTCH FILTER	50HZ OUT
SAMPLE RATE	2 MS
RECORD LENGTH	7 SEC

SOURCE

ENERGY SOURCE	EXPLOSIVES
SHOT HOLES/S.P.	SINGLE-HOLE
AVERAGE CHARGE PER SHOT	10 KG
AVERAGE SHOT DEPTH	30 M

UPWARD GROUND MOTION=NEGATIVE NUMBER ON TAPE

SPREAD CONFIGURATION

NUMBER OF GROUPS	96
GROUP INTERVAL	30 M
SUBSURFACE COVERAGE	800 PCT

1 48 49 96
15M 15M
1425M 1425M
CENTRE OF SOURCE ARRAY
DIRECTION OF LINE NORTH-EAST

SEISMOMETER ARRAY

GEOPHONE PER GROUP	18
GEOPHONE TYPE	SENSOR SM-48
GEOPHONE FREQUENCY	10 HZ

X = 3M Y = 51M

LEGEND

V VELOCITY ANALYSIS

▼ INTERSECTIONS

ANALYST Brenta DATE 12/83

PROCESSING SEQUENCE

DEMULTIPLEX GEOPH.AMPL.2MS S.R.

WAVELET TRANSFORMATION

INSTRUMENT & GEOPH.REPHASING TO MIN. PHASE

SUBSAMPLE TO 4MS SAMPLE RATE

PROCESSED LENGTH 7 SEC

NOTCH FILTER

PREPROCESSOR-D.B.S.

A: COMMON DEPTH FAMILY GATHER
B: GEOMETRIC SPREADING GAIN APPLIED
C: 6HZ LO-CUT PREFILTER APPLIED
D: DECONV.TYPE: MIN.PHASE INVERSE FILTER
NUMBER OF WINDOWS2 - WHITE NOISE= 0.1 PCT
VAR.MIN.PREDICT.LAG (MS): 24 32
LENGTH OF FILTER OPERATOR= 160 104
WINDOW LENGTH (MS) 2000 3000
E: TRACE BALANCE ON OUTPUT
F: PREPROCESSOR-DBS REEL NO. 105881

VELOCITY ANALYSIS

N.M.O. - 800PCT STACK

A: STRETCH DEPENDENT MUTE
B: AUTOMATIC RESIDUAL STATICS

VELOCITY ANALYSIS

N.M.O. - 800PCT STACK

A: STRETCH DEPENDENT MUTE
B: AUTOMATIC RESIDUAL STATICS
C: 100 PCT OUTPUT

CDP CONSISTENT RESIDUAL STATICS

RESIDUAL AMPLITUDE COMPENSATION

800PCT STK FINAL REEL NO. 104921

RMS GAIN

TIME VARIANT FILTER

TIME(SECS)	L.C. (HZ.DB/OCT)	H.C.
1.000	12/24	55/48
2.900	10/24	40/48
4.800	10/24	30/48
6.500	8/24	25/48

FILTERS ARE INTERPOLATED IN TIME AND SPACE.
TIMES ARE SPECIFIED AT START OF LINE .

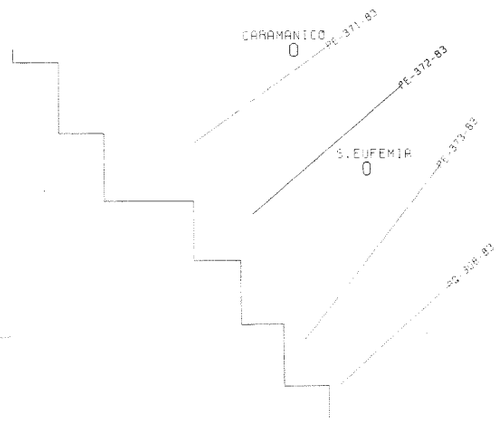
WAVELET TRANSFORMATION

INSTRUMENT AND GEOPH.RECONVERS.TO FIELD PHASE

PLAYBACK

HORIZONTAL SCALE 8.333TR/CM 4.167TR/CM 16.667TR
VERTICAL SCALE 100CM/SEC 200CM/SEC SCM/
PLOT DIRECTION = L-R
NEGATIVE NUMBERS = WHITE TROUGHS

LINE LOCATION MAP

PROSPECT:PRETORO

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