CE-304-83

S.P. 100 TO S.P. 463

NE

1000PCT DBS-STK-TVF

SP 117.50			SP 161.00			SP 183.00			SP 217.00			SP 246.00			SP 287.00			SP 327.50			SP 357.00			SP 394.00			SP 437.50		
TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL	TIME	RMS	VEL
0.10	2300		0.10	2400		0.10	2900		0.10	2900		0.10	2500		0.10	2500		0.10	2500		0.10	3100		0.10	2680		0.10	2680	
0.32	2760		0.29	2910		0.21	2630		0.45	3160		0.18	3800		0.36	3090		0.43	3060		0.14	3480		0.22	3870		0.78	3580	
0.70	3240		0.82	3780		1.27	3400		0.82	3760		0.83	3310		0.74	3290		1.01	3480		0.74	3580		0.93	3320		1.24	3840	
1.08	3580		1.15	3960		1.80	3980		1.61	3910		1.24	3480		1.28	3600		1.29	3610		1.85	3980		1.14	3430		2.01	4080	
1.69	3800		1.80	4060		2.40	4100		2.30	4120		1.68	3610		2.00	3900		2.21	4020		5.02	4030		2.78	3980		5.01	4280	
5.00	4300		5.00	4280					5.00	4110		5.00	3970		5.00	4080								4.93	4110				

LINE BN-331-83
SP 237

LINE CE-305-83
SP 512-513

SP 118 | SP 161 | SP 183 | SP 217 | SP 246 | SP 287 | SP 328 | SP 357 | SP 394 | SP 438

ELEV. 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 DATUM CORR.

500 M. / 250 M. / 0 M. — 500 MS / 250 MS / 0 MS

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5.0

1 0 1 KM

PETREX

WESTERN RICERCHE GEOFISICHE

MILAN - ITALY

ITALIA-ZONA 4
PROSPECT GIOIA SANNITICA

DATE SHOT.....FEBRUARY,1984
DATE PROCESSED.....MARCH,1984

RECORDING DATA

DATUM PLANE = SEA LEVEL

STATICS COMPUT.VELOCITY 2900 M/SEC

INSTRUMENTS

CONTRACTOR SIAG
UNIT NUMBER 94
RECORDING SYSTEM DFS V
FORMAT SEG B
DEMULTIPLEX FILTERS 12HZ-180HZ/OCT
ANTIALIAS FILTERS 120HZ-720HZ/OCT
NOTCH FILTER 50HZ
SAMPLE RATE 1 MS
RECORD LENGTH 7 SEC

SOURCE

ENERGY SOURCE EXPLOSIVES
SOURCE TYPE SINGLE SHOT
AVERAGE CHARGE PER SHOT 5 KG
AVERAGE SHOT DEPTH 25 M

UPWARD GROUND MOTION-NEGATIVE NUMBER ON TAPE

SPREAD CONFIGURATION

NUMBER OF GROUPS 60
GROUP INTERVAL 50 M
SUBSURFACE COVERAGE 1000 PCT

1 10 11 60
1180M 1180M
CENTRE OF SOURCE ARRAY
DIRECTION OF LINE NORTH-EAST

SEISMOMETER ARRAY

GEOPHONE PER GROUP 36
GEOPHONE TYPE SENSOR SM-4U
GEOPHONE FREQUENCY 10 HZ
X = 8.4M Y = 70M

LEGEND

V VELOCITY ANALYSIS
INTERSECTIONS

ANALYST Morandi DATE Feb. 20

PROCESSING SEQUENCE

DEMULTIPLEX (CEOFIX.ARMY.2MS S.R.

SUBSAMPLE TO 4MS SAMPLE RATE
PROCESSED LENGTH 5 SEC

PREPROCESSING-C.D.S.

A: COMMON DEPTH FAMILY GATHER
B: GEOMETRIC SPREADING GAIN APPLIED
C: SAS 1/8-OUT PREFILTER APPLIED
D: DECONVOLUTION
TYPE MIN.PHASE INVERSE FILTER
NUMBER OF WINDOW-2
LENGTH OF WINDOW 1ST(MS)+ 2N
LENGTH OF FILTER OPERATOR+ 200
WHITE LIGHT% ON 1 PCT
E: PREPROCESSING-DEF REEL NO. 107698

PREL.VELOCITY ANALYSIS

N.M.O. -1000PCT PREL.STK

A: STRETCH DEPENDENT MUTE
B: AUTOMATIC RESIDUAL STATICS

B.P. FILTER

TIME: 100MS 5000MS
FREQ: 16-60HZ 10-40HZ

FINAL VELOCITY ANALYSIS

N.M.O. -1000PCT FINAL.STK

A: STRETCH DEPENDENT MUTE
B: AUTOMATIC RESIDUAL STATICS
C: 1000 PCT OUTPUT

CDP CONSISTENT RESIDUAL STATICS

RESIDUAL AMPLITUDE COMPENSATION

1000PCT STK FINAL REEL NO. 105876

TIME VARIANT FILTER

TIME(SECS)	L.C. - TW.LB(OCT)	H.C.
1.000	12/24	90/99
1.800	12/24	90/99
2.000	18/24	35/99
5.000	18/24	35/99

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

RMS GAIN

PLOTBOX

HORIZONTAL SCALE 6.25TR/CM 6.25TR/CM 12.5TR
VERTICAL SCALE 1SEC/SEC 2SEC/SEC 5SEC
PLOT DIRECTION + LH
NEGATIVE NUMBERS - WHITE TROUGHS

LINE LOCATION MAP

PROSPECT MAP

PERMIT:GIOIA SANNITICA

SCALE:1:200.000

ALIFE
CE-303-83
CE-301-83
CE-302-83
CE-304-83
TELESE
CASERTA
CE-306-83
BN-331-83
CE-310-83