Schlumberger

MARGI 1 * WST CHECK SHOT * RUN 1

CSU Field Log

COMPANY: AGIP

WELL: MARGI 1

FIELD: APRAISAL

LOCATION: LAND SICILY

LATITUDE: 37 18 48.5 N
LONGITUDE: 02 13 12.0 EMM

PERMANENT DATUM: MSL
ELEV. OF PERM. DATUM: .0 M
LOG MEASURED FROM: DF
126.4 M ABOVE PERM. DATUM
DRLG. MEASURED FROM: DF

ELEVATIONS-
KB: 126.8 M
DF: 126.4 M
GL: 120.0 M

DATE: 10 JAN 86
RUN NO: 1

OTHER SERVICES-
LDL CNL GR
HDT
DLL MSFL GR
CBL VDL GR
WST

PROGRAM
TAPE NO:
28.2

DEPTH-DRILLER: 1744.0 M
DEPTH-LOGGER: 1740.0 M
BTM. LOG INTERVAL: 1729.0 M
TOP LOG INTERVAL: 63.5 M

CASING-DRILLER:	63.5 M	223.0 M	705.0 M
CASING-LOGGER:	63.0 M	223.0 M	0.0 M
CASING:	20"	13 3/8"	9 5/8"
WEIGHT:	106.500 LB/F	68.0000 LB/F	47.0000 LB/F
BIT SIZE:	26"	17 1/2"	12 1/4"
DEPTH:	63.5 M	228.0 M	708.0 M

TYPE FLUID IN HOLE: LS
DENSITY: 1150. K/M3
VISCOSITY: 54.0 S
PH: 10.0
FLUID LOSS: 4.8 C3
SOURCE OF SAMPLE: MUD PITS
RM: 1.160 OHMM AT 9.00 DEGC
RMF: 1.000 OHMM AT 14.0 DEGC
RMC: 1.740 OHMM AT 14.0 DEGC
SOURCE RMF/RMC: PRESS /PRESS
RM AT BHT: 1.642 OHMM AT 0.0 DEGC
RMF AT BHT: 1.646 OHMM AT 0.0 DEGC
RMC AT BHT: 2.864 OHMM AT 0.0 DEGC

TIME CIRC. STOPPED: .
TIME LOGGER ON BTM.: 0

MAX. REC. TEMP: 0.0 DEGC

LOGGING UNIT NO: 2719
LOGGING UNIT LOC: SYR
RECORDED BY: R. GINGEL/G. MARTEL
WITNESSED BY: .

REMARKS:

MUD SALINITY 4.9 G/L NACL.
NO LAST CIRCULATION DUE TO HOLE CONDITIONS
WELL WAS DRILLED INTO A LOSS CIRCULATION ZONE AND MUD
REPALCED BY DRILL WATER
RMUD READING = RESISTIVITY OF WATER. RMF/RMC ARE OF
TYPE OF MUD USED FOR DRILLING.
GUN OFFSET = 60 M- HYDRO OFFSET = 60 M
GUN DEPTH = 5 M - HYDRO DEPTH = 4 M

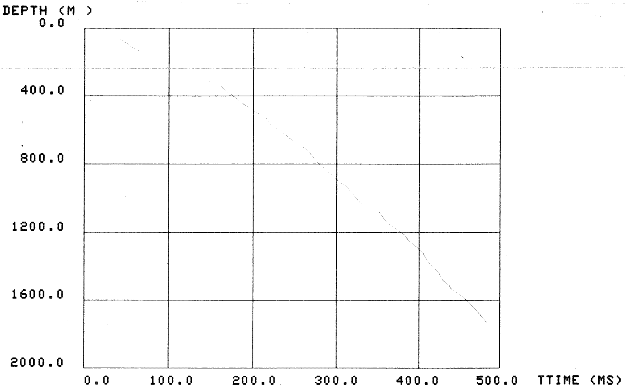
EQUIPMENT NUMBERS-

ECH-KC 741 WSA-AB 741 CAH-A 739 WSM 858
WDM-AB 62

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

CP 28.2 FILE 109 11-JAN-86 19:18
DATA ACQUIRED 11-JAN-86 04:47

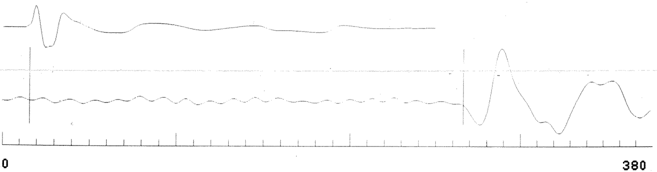
WST DEPTH VS TTIME CURVE



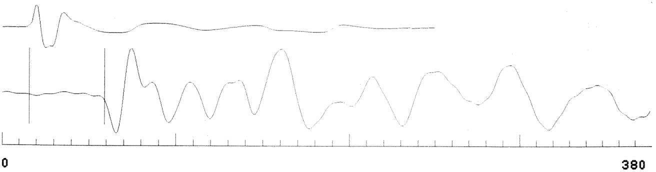
WST DEPTH VS TTIME SUMMARY

```
*****************************************************
 STACK NBR             DEPTH ( M )             TTIME (MS)


  1039                     63.5                    43.0
  1038                    112.0                    56.3
  1037                    126.5                    62.7
  1036                    131.5                    64.3
  1035                    223.0                   107.9
  1034                    342.0                   161.2
  1033                    455.0                   190.7
  1032                    530.0                   216.1
  1031                    568.0                   221.0
  1030                    606.0                   233.7
  1040                    675.0                   250.1
  1029                    675.0                   [illegible]
  1028                    701.0                   260.0
  1027                    720.0                   266.0
  1026                    762.5                   273.1
  1025                    800.0                   279.4
  1024                    835.0                   288.9
  1023                    890.0                   300.5
  1022                    930.0                   312.3
  1021                    970.0                   320.0
  1020                   1007.0                   325.7
  1019                   1038.0                   332.6
  1018                   1055.0                   340.8
  1017                   1075.0                   351.3
  1016                   1135.0                   360.8
  1015                   1175.0                   372.4
  1014                   1217.0                   383.0
  1013                   1245.0                   387.5
  1012                   1285.0                   397.9
  1011                   1325.0                   405.9
  1010                   1363.0                   410.3
  1009                   1395.0                   416.1
  1008                   1435.0                   424.6
  1007                   1475.0                   429.1
  1006                   1513.0                   438.0
  1005                   1530.0                   440.0
  1004                   1580.0                   454.9
  1003                   1620.0                   464.5
  1002                   1660.0                   471.9
  1001                   1700.0                   479.2
  1000                   1729.9                   484.8

*****************************************************
```

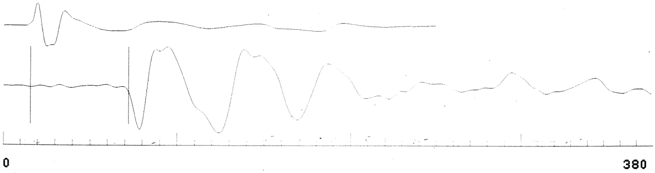
```
STACK # 1040 @    675.0 M      1 /11 /86  4 :47    TT =    250.1 MS
        GEOPHONE              .000058  CM/SEC  @    696.6 MS
        SHOTS STACKED : 425 ,426 ,427 ,428 ,429 ,430
        FILTER : 10    - 90
```



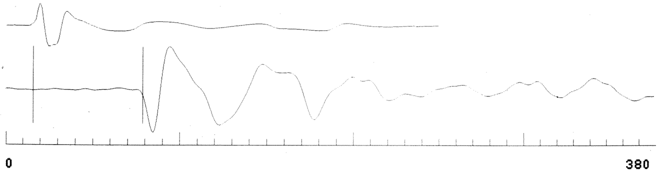
```
STACK # 1039 @    63.5 M      1 /11 /86  5 :36    TT =     43.0 MS
        GEOPHONE             .001351  CM/SEC  @     58.0 MS
        SHOTS STACKED : 469 ,470 ,471 ,472 ,473
        FILTER : 10    - 90
```



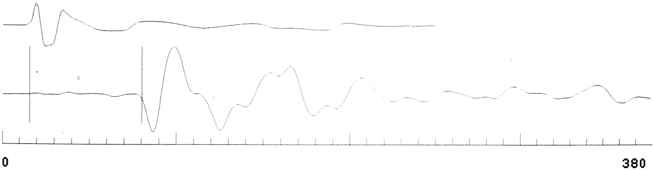
```
STACK # 1038 @    112.0 M      1 /11 /86  5 :32    TT =     56.3 MS
        GEOPHONE              .001441  CM/SEC  @     71.1 MS
        SHOTS STACKED : 466 ,467 ,468
        FILTER : 10    - 90
```



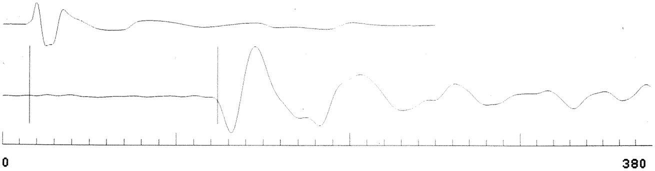
```
STACK # 1037 @    126.5 M     1 /11 /86  5 :30   TT =    62.7 MS
        GEOPHONE            .001644  CM/SEC  @    77.6 MS
        SHOTS STACKED : 463 ,464 ,465
        FILTER : 10    - 90
```



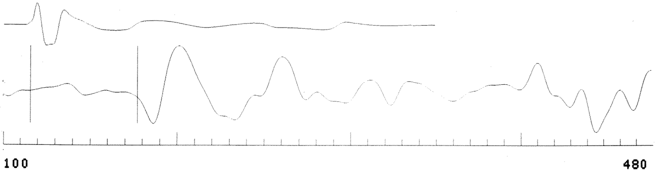
```
STACK # 1036 @    131.5 M     1 /11 /86  5 :29   TT =    64.3 MS
        GEOPHONE            .001744  CM/SEC  @    79.2 MS
        SHOTS STACKED : 460 ,461 ,462
        FILTER : 10    - 90
```



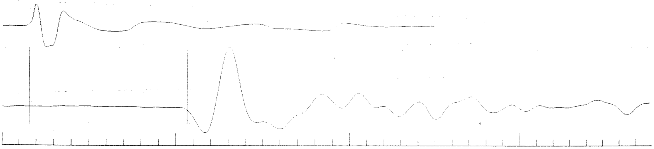
```
STACK # 1035 @    223.0 M     1 /11 /86  5 :24   TT =   107.9 MS
        GEOPHONE            .000908  CM/SEC  @   122.8 MS
        SHOTS STACKED : 457 ,458 ,459
        FILTER : 10    - 60
```



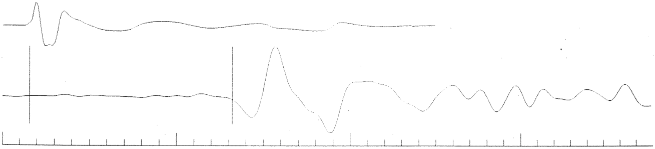
```
STACK # 1034 @    342.0 M     1 /11 /86  5 :18   TT =   161.2 MS
        GEOPHONE            .000287  CM/SEC  @   176.1 MS
        SHOTS STACKED : 453 ,454 ,456
        FILTER : 10    - 60
```



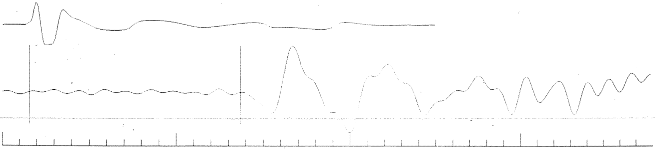
```
STACK # 1033 @    455.0 M     1 /11 /86  5 :13   TT =   190.7 MS
        GEOPHONE            .000295  CM/SEC  @   205.6 MS
        SHOTS STACKED : 449 ,450 ,451
        FILTER : 10    - 60
```



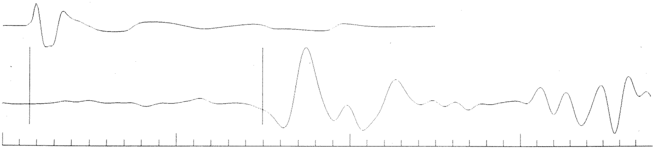
```
STACK # 1032 @   530.0 M     1 /11 /86  5 :7    TT =   216.1 MS
        GEOPHONE            .000202  CM/SEC  @   231.0 MS
        SHOTS STACKED : 443 ,444 ,445 ,446 ,447 ,448
        FILTER : 10    - 60
```



```
STACK # 1031 @   568.0 M     1 /11 /86  4 :58   TT =   221.0 MS
        GEOPHONE            .000137  CM/SEC  @   259.2 MS
        SHOTS STACKED : 438 ,439 ,440 ,441 ,442
        FILTER : 10    - 60
```

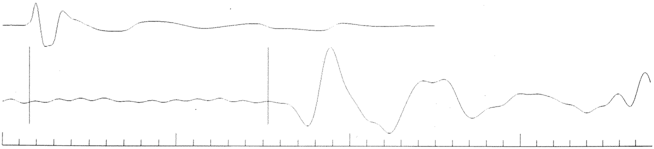


```
STACK # 1030 @   606.0 M     1 /11 /86  4 :53   TT =   233.7 MS
        GEOPHONE            .000119  CM/SEC  @   248.6 MS
        SHOTS STACKED : 431 ,432 ,433 ,434 ,435 ,436 ,437
        FILTER : 10    - 60
```



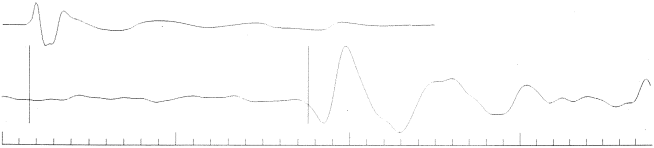
```
STACK # 1029 @   675.0 M     1 /11 /86  4 :47   TT =   [illegible] MS
        GEOPHONE            .000039  CM/SEC  @   251.9 MS
        SHOTS STACKED : 425 ,426 ,427 ,428 ,429 ,430
        FILTER : 10    - 60
```

level repeated (cf top of film)



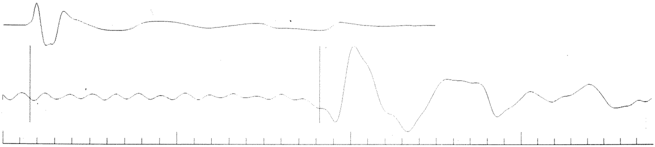
100 480

STACK # 1028 @ 701.0 M 1 /11 /86 4 :41 TT = 260.0 MS
GEOPHONE .000165 CM/SEC @ 789.9 MS
SHOTS STACKED : 406 ,408 ,412 ,413 ,414
417 ,418 ,419 ,420 ,421 ,422 ,424
FILTER : 10 - 60



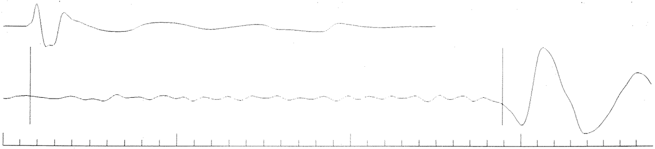
100 480

STACK # 1027 @ 720.0 M 1 /11 /86 4 :26 TT = 266.0 MS
GEOPHONE .000085 CM/SEC @ 280.9 MS
SHOTS STACKED : 397 ,398 ,399 ,400 ,401 ,402 ,403
FILTER : 10 - 90



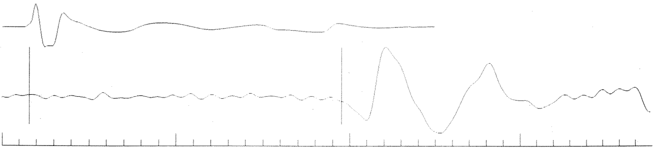
100 480

STACK # 1026 @ 762.5 M 1 /11 /86 4 :20 TT = 273.1 MS
GEOPHONE .000070 CM/SEC @ 288.0 MS
SHOTS STACKED : 389
390 ,391 ,392 ,393 ,394 ,395 ,396
FILTER : 10 - 90



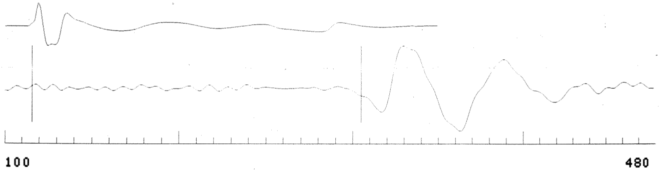
0 380

STACK # 1025 @ 800.0 M 1 /11 /86 4 :13 TT = 279.4 MS
GEOPHONE .000061 CM/SEC @ 294.3 MS
SHOTS STACKED : 382 ,383 ,384 ,385 ,386 ,387 ,388
FILTER : 10 - 90

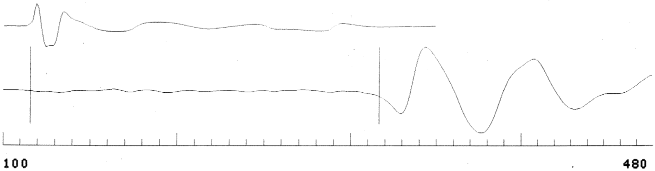


100 480

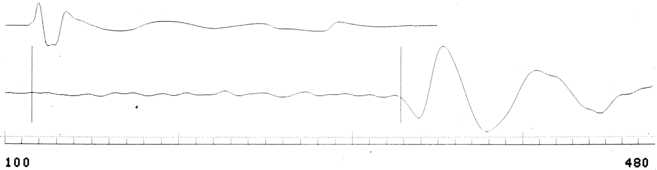
STACK # 1024 @ 835.0 M 1 /11 /86 4 :3 TT = 288.9 MS
GEOPHONE .000052 CM/SEC @ 303.7 MS
SHOTS STACKED : 368 ,369 ,370 ,371 ,374 ,376 ,377
FILTER : 10 - 90



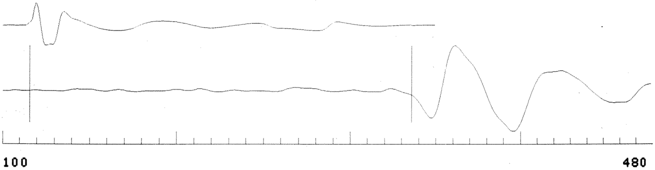
```
STACK # 1023 @    890.0 M     1 /11 /86  3 :51    TT =    300.5 MS
        GEOPHONE           .000046  CM/SEC  @   315.4 MS
        SHOTS STACKED : 362 ,363 ,364 ,365 ,366 ,367
        FILTER : 10    - 60
```



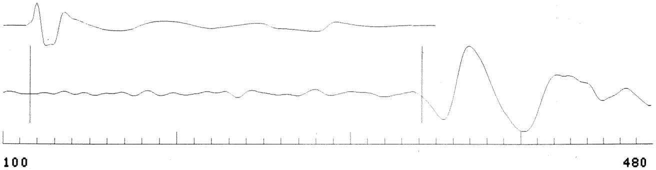
```
STACK # 1022 @    930.0 M     1 /11 /86  3 :46    TT =    312.3 MS
        GEOPHONE           .000048  CM/SEC  @   327.1 MS
        SHOTS STACKED : 355 ,356 ,357 ,359 ,360 ,361
        FILTER : 10    - 60
```



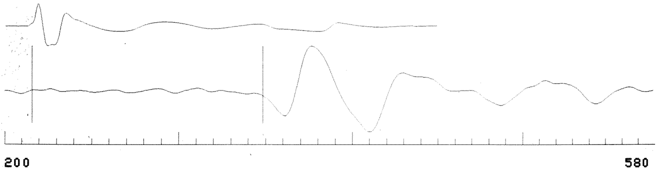
```
STACK # 1021 @    970.0 M     1 /11 /86  3 :40    TT =    320.0 MS
        GEOPHONE           .000035  CM/SEC  @   334.8 MS
        SHOTS STACKED : 350 ,351 ,352 ,353 ,354
        FILTER : 10    - 60
```



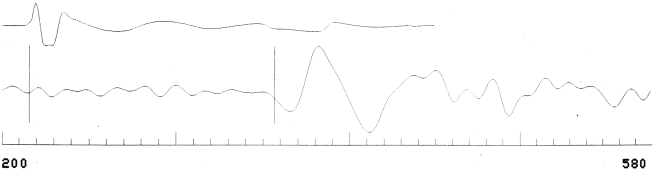
```
STACK # 1020 @   1007.0 M     1 /11 /86  3 :34    TT =    325.7 MS
        GEOPHONE           .000039  CM/SEC  @   340.6 MS
        SHOTS STACKED : 345 ,346 ,347 ,349
        FILTER : 10    - 60
```



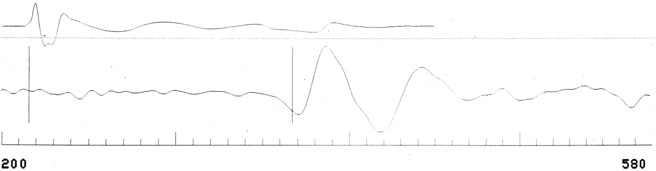
```
STACK # 1019 @   1038.0 M     1 /11 /86  3 :29    TT =    332.6 MS
        GEOPHONE           .000038  CM/SEC  @   347.4 MS
        SHOTS STACKED : 338 ,339 ,340 ,341 ,342 ,343 ,344
        FILTER : 10    - 60
```



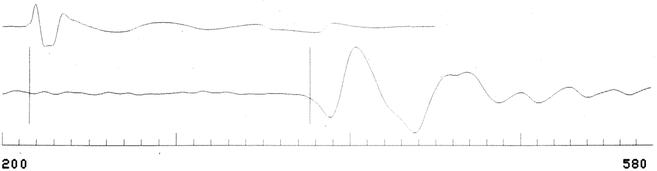
```
STACK # 1018 @  1055.0 M    1 /11 /86  3 :23   TT =   340.8 MS
        GEOPHONE           .000039  CM/SEC  @   352.3 MS
        SHOTS STACKED : 326 ,329 ,330 ,334 ,336 ,337
        FILTER : 10   - 60
```



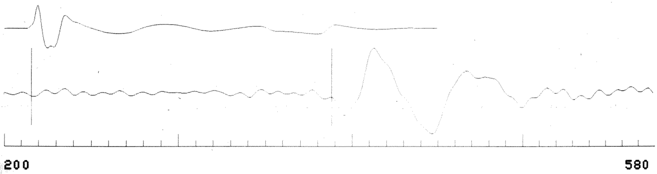
```
STACK # 1017 @  1075.0 M    1 /11 /86  2 :58   TT =   351.3 MS
        GEOPHONE           .000039  CM/SEC  @   355.5 MS
        SHOTS STACKED : 308 ,312 ,314 ,315 ,317 ,318
        FILTER : 10   - 60
```



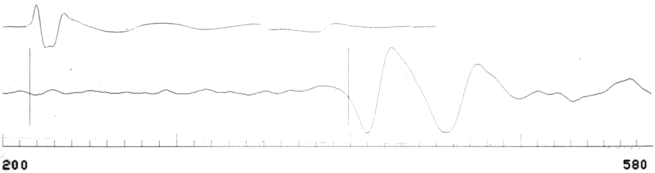
```
STACK # 1016 @  1135.0 M    1 /11 /86  2 :15   TT =   360.8 MS
        GEOPHONE           .000032  CM/SEC  @   375.7 MS
        SHOTS STACKED : 298 ,299 ,300 ,301 ,302 ,303 ,304
        FILTER : 10   - 60
```



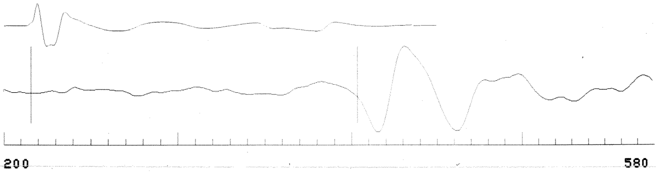
```
STACK # 1015 @  1175.0 M    1 /11 /86  2 :8    TT =   372.4 MS
        GEOPHONE           .000034  CM/SEC  @   387.2 MS
        SHOTS STACKED : 281 ,292 ,293 ,294 ,295 ,296 ,297
        FILTER : 10   - 90
```



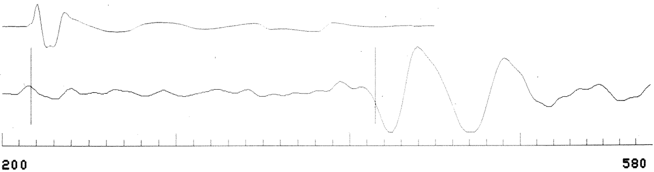
```
STACK # 1014 @  1217.0 M     1 /11 /86  1 :53   TT =   383.0 MS
        GEOPHONE            .000022  CM/SEC  @   397.9 MS
        SHOTS STACKED : 276 ,277 ,278 ,279 ,280
        FILTER : 20    - 60
```



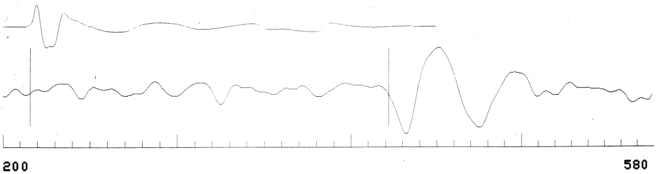
```
STACK # 1013 @  1245.0 M     1 /11 /86  1 :45   TT =   387.5 MS
        GEOPHONE            .000022  CM/SEC  @   402.3 MS
        SHOTS STACKED : 269 ,271 ,273 ,274 ,275
        FILTER : 20    - 60
```



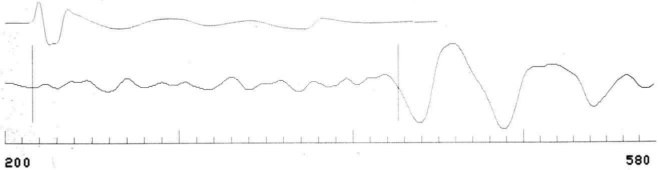
```
STACK # 1012 @  1285.0 M     1 /11 /86  1 :32   TT =   397.9 MS
        GEOPHONE            .000005  CM/SEC  @   386.0 MS
        SHOTS STACKED : 257 ,258 ,259 ,260 ,262 ,263
        FILTER : 20    - 60
```



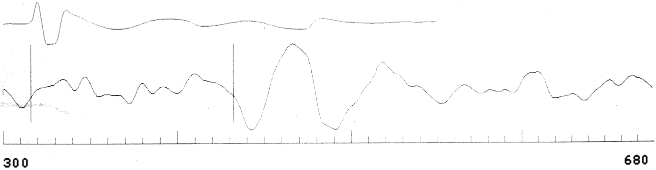
```
STACK # 1011 @  1325.0 M     1 /11 /86  1 :15   TT =   405.9 MS
        GEOPHONE            .000018  CM/SEC  @   420.8 MS
        SHOTS STACKED : 242 ,243 ,247 ,248 ,251
        FILTER : 20    - 60
```



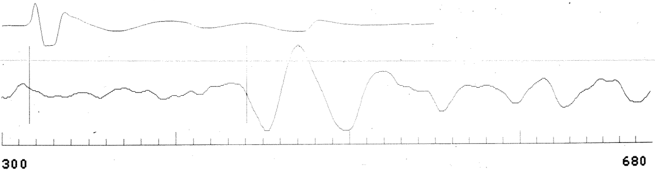
```
STACK # 1010 @  1363.0 M     1 /11 /86  1 :6    TT =   410.3 MS
        GEOPHONE           .000012  CM/SEC  @   425.4 MS
        SHOTS STACKED : 229 ,231 ,238
        FILTER : 20   - 60
```



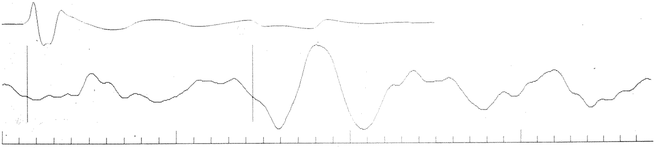
```
STACK # 1009 @  1395.0 M     1 /11 /86  0 :58   TT =   416.1 MS
        GEOPHONE           .000005  CM/SEC  @   302.3 MS
        SHOTS STACKED : 219 ,223 ,224 ,225 ,227
        FILTER : 20   - 60
```



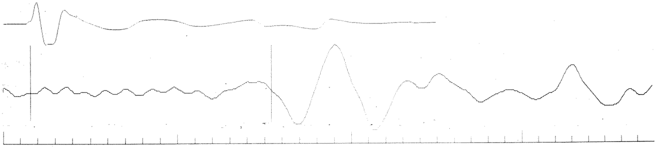
```
STACK # 1008 @  1435.0 M     1 /11 /86  0 :38   TT =   424.6 MS
        GEOPHONE           .000012  CM/SEC  @   439.6 MS
        SHOTS STACKED : 193 ,196 ,197 ,198 ,201
        FILTER : 20   - 60
```



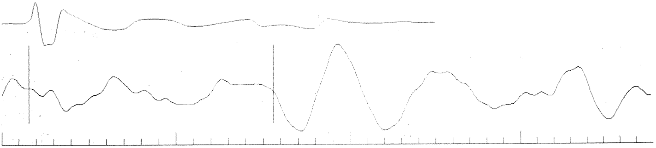
```
STACK # 1007 @  1475.0 M     1 /11 /86  0 :20   TT =   429.1 MS
        GEOPHONE           .000002  CM/SEC  @   377.8 MS
        SHOTS STACKED : 167 ,169 ,172 ,173 ,175
        FILTER : 20   - 60
```



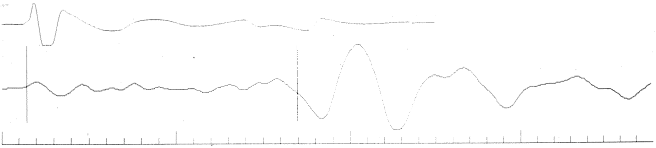
```
300                                                                      680

                STACK # 1006 @  1513.0 M     1 /11 /86  0 :9    TT =   438.0 MS
                        GEOPHONE             .000011  CM/SEC  @    456.9 MS
                        SHOTS STACKED : 155 ,156 ,157 ,158 ,159
                        FILTER : 20   - 60
```



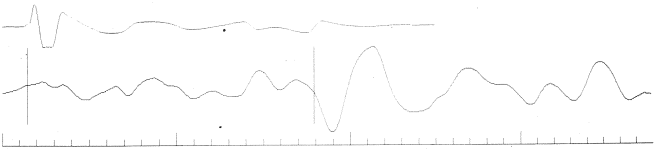
```
300                                                                      680

                STACK # 1005 @  1530.0 M     1 /10 /86  23 :50   TT =   440.0 MS
                        GEOPHONE             .000005  CM/SEC  @    330.6 MS
                        SHOTS STACKED : 134 ,135 ,138
                        FILTER : 20   - 60
```



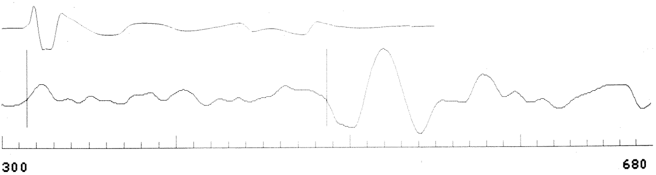
```
300                                                                      680

                STACK # 1004 @  1580.0 M     1 /10 /86  23 :9   TT =   454.9 MS
                        GEOPHONE             .000010  CM/SEC  @    468.6 MS
                        SHOTS STACKED : 95 ,96 ,97 ,98 ,101
                        FILTER : 20   - 60
```



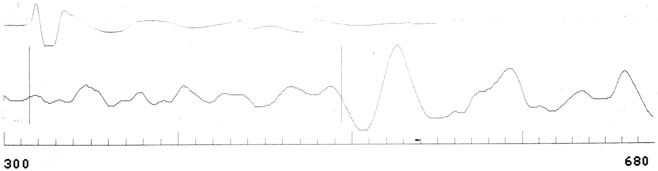
```
300                                                                      680

                STACK # 1003 @  1620.0 M     1 /10 /86  22 :56   TT =   464.5 MS
                        GEOPHONE             .000014  CM/SEC  @    478.1 MS
                        SHOTS STACKED : 82 ,83 ,87 ,88 ,90
                        FILTER : 20   - 60
```



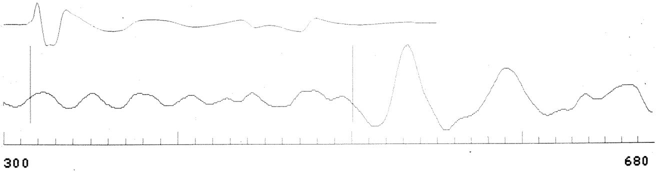
```
300                                                                      680

                STACK # 1002 @  1660.0 M     1 /10 /86  22 :33   TT =   471.9 MS
                        GEOPHONE             .000003  CM/SEC  @    458.7 MS
                        SHOTS STACKED : 58 ,59 ,60 ,64 ,65
                        FILTER : 20   - 60
```



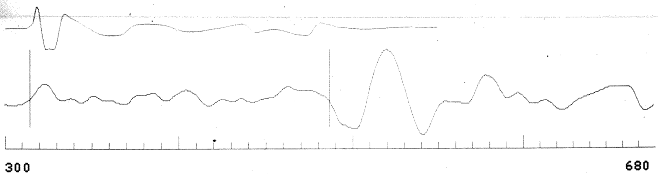
```
STACK # 1001 @  1700.0 M     1 /10 /86  22 :21    TT =    479.2 MS
        GEOPHONE              .000009  CM/SEC  @    492.9 MS
        SHOTS STACKED : 44 ,45 ,46 ,48 ,50
        FILTER : 20   - 60
```



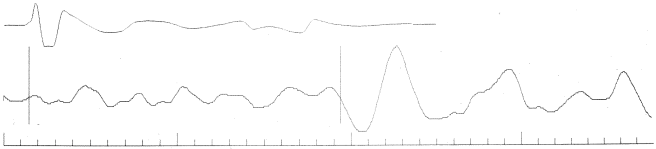
```
STACK # 1000 @  1729.9 M     1 /10 /86  22 :7    TT =    484.8 MS
        GEOPHONE              .000009  CM/SEC  @    499.5 MS
        SHOTS STACKED : 31 ,32 ,36 ,38 ,41
        FILTER : 20   - 60
```

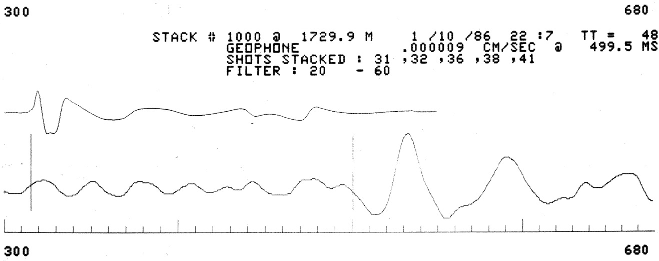


```
STACK # 1002 @  1660.0 M     1 /10 /86  22 :33    TT =    471.9 MS
        GEOPHONE              .000003  CM/SEC  @    458.7 MS
        SHOTS STACKED : 58 ,59 ,60 ,64 ,65
        FILTER : 20   - 60
```



```
STACK # 1001 @  1700.0 M     1 /10 /86  22 :21    TT =    479.2 MS
        GEOPHONE              .000009  CM/SEC  @    492.9 MS
        SHOTS STACKED : 44 ,45 ,46 ,48 ,50
        FILTER : 20   - 60
```



STACK # 1000 @ 1729.9 M   1 /10 /86 22 :7   TT = 484.8 MS
GEOPHONE   .000009 CM/SEC @ 499.5 MS
SHOTS STACKED : 31 ,32 ,36 ,38 ,41
FILTER : 20 - 60