Schlumberger

CHIESA 1 * WSS * RUN 1

CSU Field Log

COMPANY: S.P.I.

WELL: CHIESA 1 -

FIELD:
PROVINCE: CATANIA

NATION: ITALY
LOCATION: LAND SICILY

LATITUDE: 37 25 51.7 N
LONGITUDE: 3 24 50.3 EMM

PERMANENT DATUM: MSL
ELEV. OF PERM. DATUM:
LOG MEASURED FROM: RT
37.0 M ABOVE PERM. DATUM
DRLG. MEASURED FROM: RT

ELEVATIONS-
KB: 37.3 M
DF: 37.0 M
GL: 32.0 M

DATE: 3 OCT 87
RUN NO: 1

OTHER SERVICES-
ISF-SLS-GR
HDT
LDL-CNL-GR

PROGRAM
TAPE NO:
28.4
SERVICE
ORDER NO:
CHIESA

DEPTH-DRILLER: 1100.0 M
DEPTH-LOGGER: 1103.0 M
BTM. LOG INTERVAL: 1100.0 M
TOP LOG INTERVAL: 50.0 M

CASING-DRILLER: 297.0 M
CASING-LOGGER: 296.0 M
CASING: 9 5/8"
WEIGHT:
BIT SIZE: 12 1/4" 8 1/2"
DEPTH: 297.0 M 1100.0 M

TYPE FLUID IN HOLE: LS
DENSITY: 1330. K/M3
VISCOSITY: 48.0 S
PH: 9.0
FLUID LOSS: 9.0 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 1.320 OHMM AT 22.5 DEGC
RMF: .950 OHMM AT 22.5 DEGC
RMC: 1.620 OHMM AT 22.5 DEGC
SOURCE RMF/RMC: EMT/EMT
RM AT BHT: .840 OHMM AT 47.7 DEGC
RMF AT BHT: .605 OHMM AT 47.7 DEGC
RMC AT BHT: 1.031 OHMM AT 47.7 DEGC

TIME CIRC. STOPPED: 01:30 3/10
TIME LOGGER ON BTM.: 16:00 3/10

MAX. REC. TEMP: 47.7 DEGC

LOGGING UNIT NO:	2773
LOGGING UNIT LOC:	SYR
RECORDED BY:	R. NASTA
WITNESSED BY:	CLEMENTI

SEISMIC DATA:

SRD TO GROUND LEVEL:	32 M	GUN DEPTH BELOW GL:	3 M
SRD TO ROTARY TABLE:	37 M	HYDRO DEPTH BELOW GL:	2.5 M
MAX HOLE DEVIATION:	2 DEG	SOURCE OFFSET DISTANCE:	25 M
AZIMUTH OF HOLE DEV:		SOURCE OFFSET AZIMUTH:	330 DEG

DOWNHOLE GEOPHONE TYPE:
SURFACE SENSOR TYPE: HYDROPHONE
PLATFORM TYPE: LAND RIG

JOB TYPE:	CHECK SHOTS	SOURCE TYPE:	
RIG TYPE:	DRILLING	GUN VOLUME:	400

REMARKS:

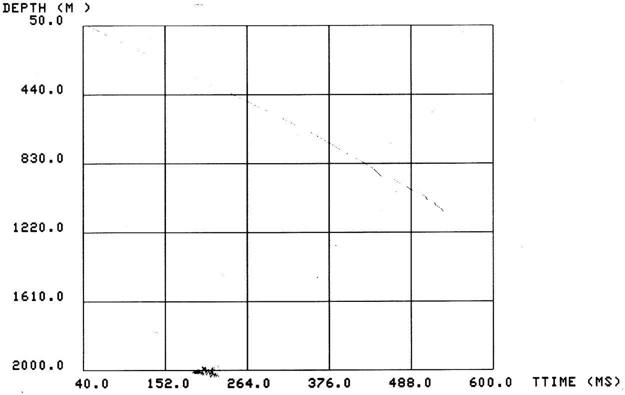
EQUIPMENT NUMBERS-

WST SYR

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 28.4 FILE 0 03-OCT-87 08:22

WST DEPTH VS TTIME CURVE



WST DEPTH VS TTIME SUMMARY

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 STACK NBR              DEPTH ( M )           TTIME (MS)


    53                      50.0                  48.2
    52                     100.0                  71.5
    51                     200.0                 122.2
     2                     200.0                 121.0
    50                     295.0                 170.3
    49                     325.0                 186.0
    48                     350.0                 199.1
    47                     375.0                 211.5
    46                     400.0                 224.2
    45                     425.0                 238.3
    44                     452.0                 251.6
    43                     475.0                 263.5
    42                     500.0                 275.6
    41                     525.0                 288.3
    40                     550.0                 300.9
    39                     575.0                 313.2
    38                     600.0                 325.2
    37                     634.0                 341.8
    36                     655.0                 351.8
    35                     675.0                 360.5
    34                     700.0                 370.8
    33                     725.0                 381.3
    32                     750.0                 390.6
    31                     775.0                 401.6
    30                     802.0                 413.4
    29                     815.0                 419.2
    28                     838.0                 428.4
    27                     850.0                 433.2
    26                     862.0                 438.2
    25                     905.0                 448.4
    24                     905.0                 457.6
    22                     920.0                 464.5
    21                     940.0                 472.9
    19                     960.0                 482.6
    18                     975.0                 487.4
    17                    1007.0                 504.2
    16                    1020.0                 508.8
    13                    1035.0                 510.3
    11                    1053.0                 520.3
     9                    1065.0                 522.2
     7                    1085.0                 529.5
     5                    1100.0                 532.4


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STACK # 53 @    50.0 M     10 /3 /87  18 :54   TT =     48.2 MS
        GEOPHONE            .005864  CM/SEC  @      63.3 MS
        SHOTS STACKED : 75
        FILTER : OFF   - OFF
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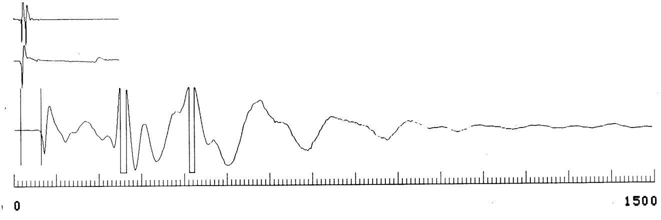

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STACK # 52 @   100.0 M     10 /3 /87  18 :51   TT =     71.5 MS
        GEOPHONE            .005856  CM/SEC  @      86.6 MS
        SHOTS STACKED : 74
        FILTER : OFF   - OFF
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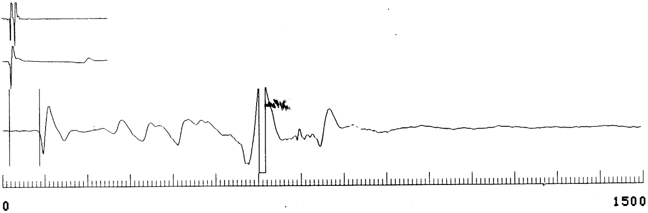

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STACK # 51 @   200.0 M     10 /3 /87  18 :47   TT =   122.2 MS
         GEOPHONE                .003177  CM/SEC  @   137.3 MS
         SHOTS STACKED : 73
         FILTER : OFF   - OFF
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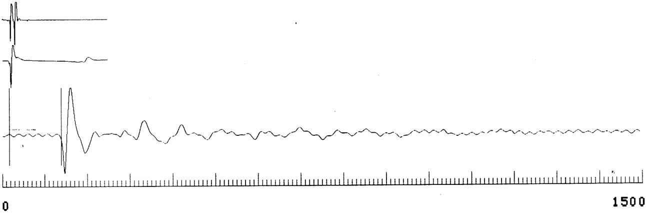

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STACK # 50 @   295.0 M     10 /3 /87  18 :44   TT =   170.3 MS
         GEOPHONE                .001938  CM/SEC  @   185.4 MS
         SHOTS STACKED : 72
         FILTER : OFF   - OFF
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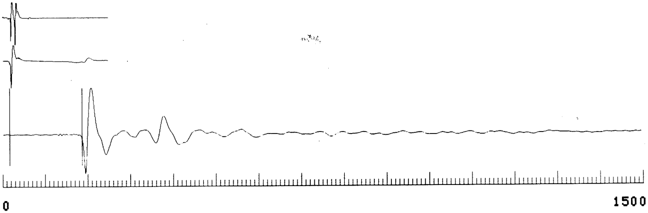

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STACK # 49 @   325.0 M     10 /3 /87  18 :41   TT =   186.0 MS
         GEOPHONE                .001820  CM/SEC  @   201.0 MS
         SHOTS STACKED : 71
         FILTER : OFF   - OFF
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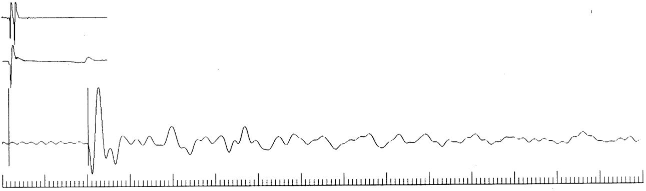

0 1500

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STACK # 48 @   350.0 M    10 /3 /87  18 :39    TT =   199.1 MS
         GEOPHONE          .001731  CM/SEC   @    199.1 MS
         SHOTS STACKED : 70
         FILTER : OFF   - OFF
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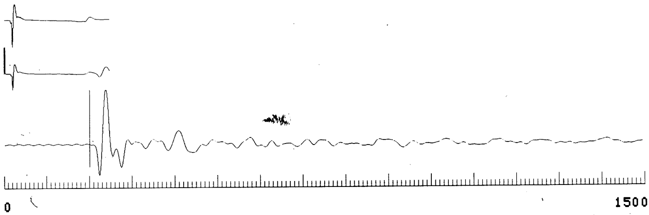

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STACK # 47 @   375.0 M    10 /3 /87  18 :36    TT =   211.5 MS
         GEOPHONE          .001500  CM/SEC   @    226.6 MS
         SHOTS STACKED : 68
         FILTER : OFF   - OFF
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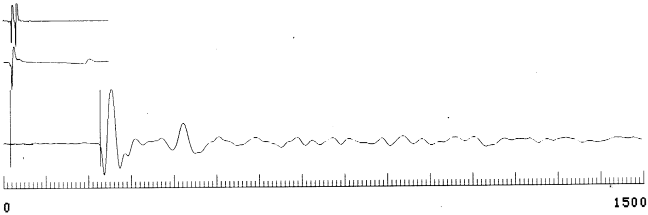

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STACK # 46 @   400.0 M    10 /3 /87  18 :34    TT =   224.2 MS
         GEOPHONE          .001339  CM/SEC   @    239.3 MS
         SHOTS STACKED : 67
         FILTER : OFF   - OFF
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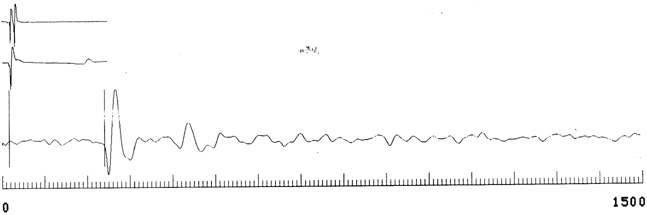

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STACK # 45 @   425.0 M    10 /3 /87  18 :31    TT =   238.3 MS
         GEOPHONE          .001246  CM/SEC   @    253.3 MS
         SHOTS STACKED : 66
         FILTER : OFF   - OFF
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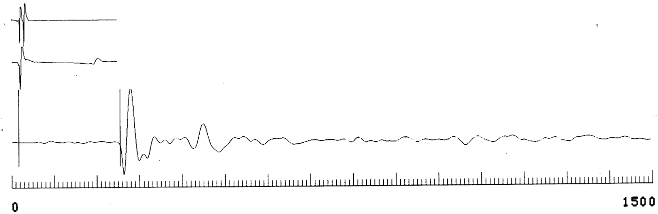
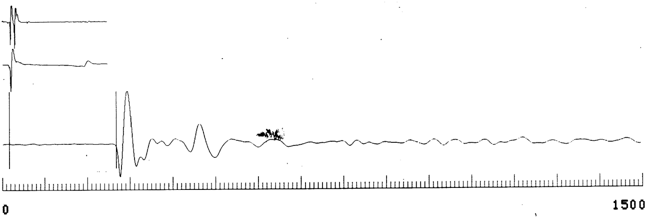
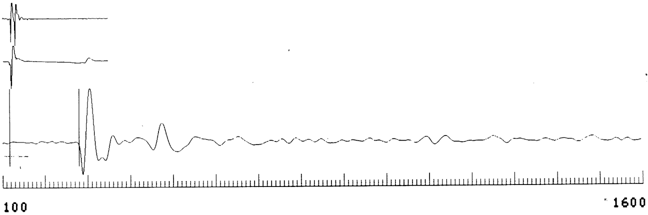


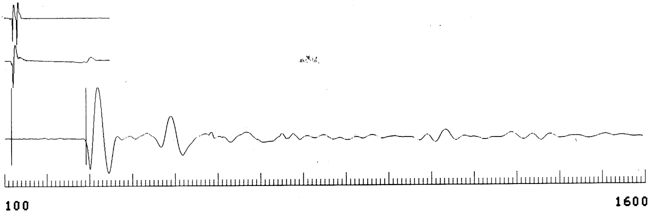
STACK # 44 @ 452.0 M 10 /3 /87 18 :29 TT = 251.6 MS
GEOPHONE .001139 CM/SEC @ 266.7 MS
SHOTS STACKED : 65
FILTER : OFF - OFF



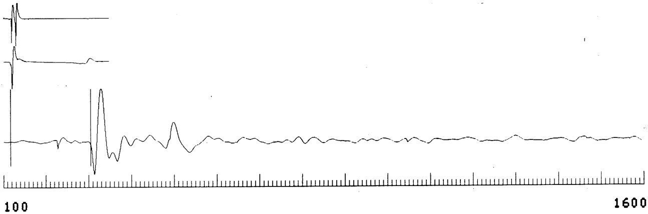
STACK # 43 @ 475.0 M 10 /3 /87 18 :26 TT = 263.5 MS
GEOPHONE .001070 CM/SEC @ 278.6 MS
SHOTS STACKED : 64
FILTER : OFF - OFF



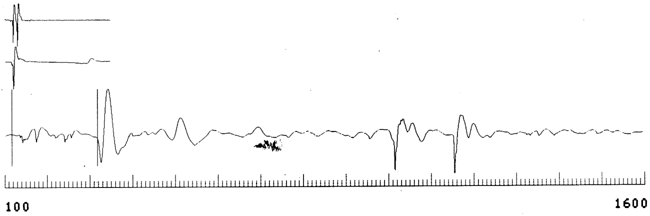
STACK # 42 @ 500.0 M 10 /3 /87 18 :23 TT = 275.6 MS
GEOPHONE .000797 CM/SEC @ 290.7 MS
SHOTS STACKED : 63
FILTER : OFF - OFF



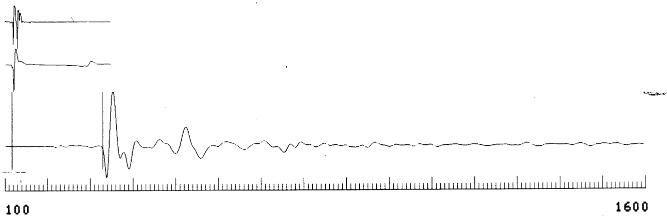
STACK # 41 @ 525.0 M 10 /3 /87 18 :21 TT = 288.3 MS
GEOPHONE .000949 CM/SEC @ 303.4 MS
SHOTS STACKED : 62
FILTER : OFF - OFF



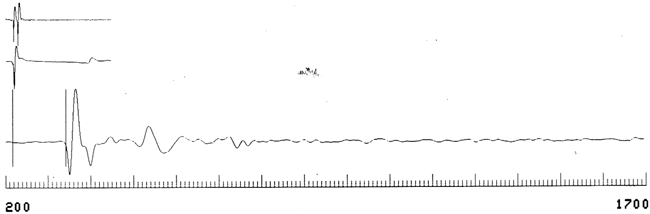
STACK # 40 @ 550.0 M 10 /3 /87 18 :18 TT = 300.9 MS
GEOPHONE .000827 CM/SEC @ 316.0 MS
SHOTS STACKED : 61
FILTER : OFF - OFF



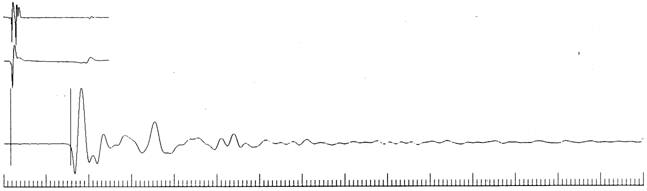
STACK # 39 @ 575.0 M 10 /3 /87 18 :15 TT = 313.2 MS
GEOPHONE .000868 CM/SEC @ 328.3 MS
SHOTS STACKED : 60
FILTER : OFF - OFF



STACK # 38 @ 600.0 M 10 /3 /87 18 :12 TT = 325.2 MS
GEOPHONE .000834 CM/SEC @ 340.4 MS
SHOTS STACKED : 59
FILTER : OFF - OFF



STACK # 37 @ 634.0 M 10 /3 /87 18 :9 TT = 341.8 MS
GEOPHONE .000752 CM/SEC @ 356.9 MS
SHOTS STACKED : 58
FILTER : OFF - OFF



200 1700

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STACK # 36 @   655.0 M     10 /3 /87  17 :57   TT =   351.8 MS
           GEOPHONE            .000678  CM/SEC  @   366.8 MS
           SHOTS STACKED : 57
           FILTER : OFF  - OFF
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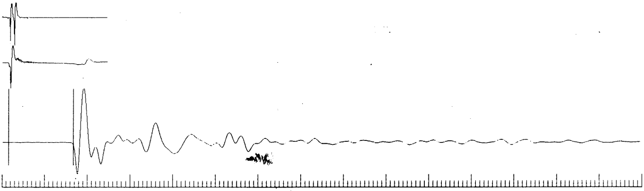

```
STACK # 35 @   675.0 M     10 /3 /87  17 :54   TT =   360.5 MS
           GEOPHONE            .000554  CM/SEC  @   375.2 MS
           SHOTS STACKED : 56
           FILTER : OFF  - OFF
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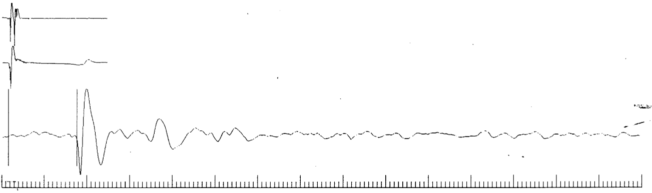

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STACK # 34 @   700.0 M     10 /3 /87  17 :44   TT =   370.8 MS
           GEOPHONE            .000607  CM/SEC  @   385.9 MS
           SHOTS STACKED : 55
           FILTER : OFF  - OFF
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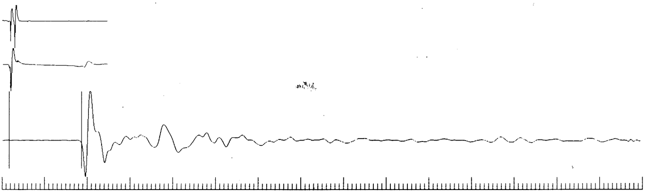

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STACK # 33 @   725.0 M     10 /3 /87  17 :41   TT =   381.3 MS
           GEOPHONE            .000624  CM/SEC  @   396.4 MS
           SHOTS STACKED : 54
           FILTER : OFF  - OFF
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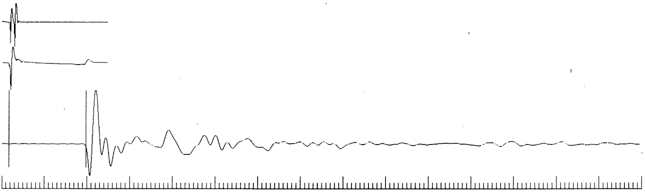
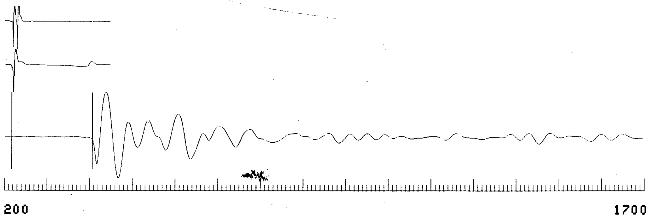
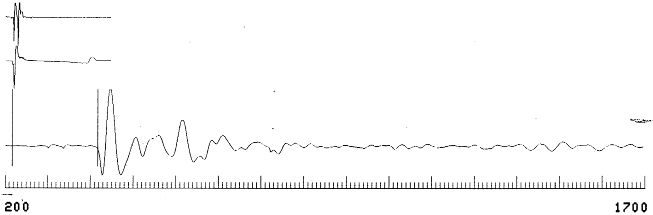


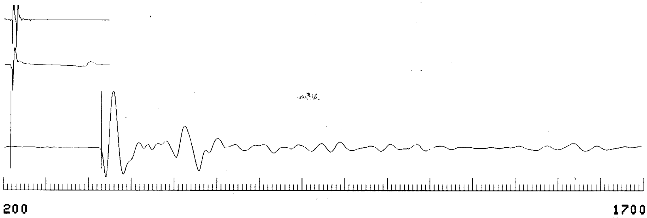
STACK # 32 @ 750.0 M 10 /3 /87 17 :38 TT = 390.6 MS
GEOPHONE .000374 CM/SEC @ 405.7 MS
SHOTS STACKED : 53
FILTER : OFF - OFF



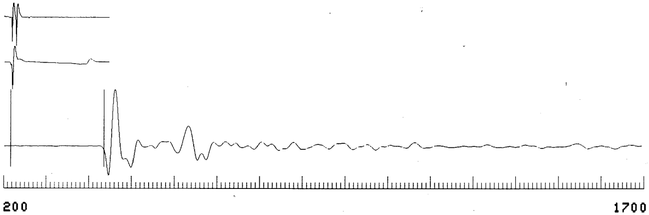
STACK # 31 @ 775.0 M 10 /3 /87 17 :35 TT = 401.6 MS
GEOPHONE .000404 CM/SEC @ 416.7 MS
SHOTS STACKED : 52
FILTER : OFF - OFF



STACK # 30 @ 802.0 M 10 /3 /87 17 :33 TT = 413.4 MS
GEOPHONE .000385 CM/SEC @ 428.4 MS
SHOTS STACKED : 51
FILTER : OFF - OFF



STACK # 29 @ 815.0 M 10 /3 /87 17 :28 TT = 419.2 MS
GEOPHONE .000422 CM/SEC @ 434.3 MS
SHOTS STACKED : 50
FILTER : OFF - OFF



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STACK # 28 @   838.0 M    10 /3 /87  17 :24   TT =   428.4 MS
           GEOPHONE            .000336  CM/SEC  @   443.5 MS
           SHOTS STACKED : 49
           FILTER : OFF  - OFF
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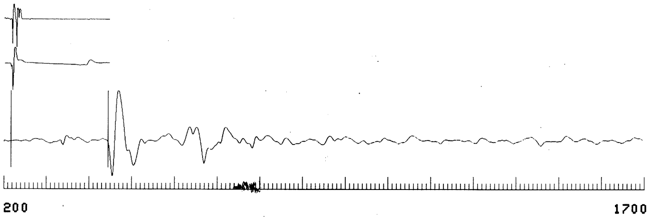

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STACK # 27 @   850.0 M    10 /3 /87  17 :19   TT =   433.2 MS
           GEOPHONE            .000319  CM/SEC  @   448.3 MS
           SHOTS STACKED : 47
           FILTER : OFF  - OFF
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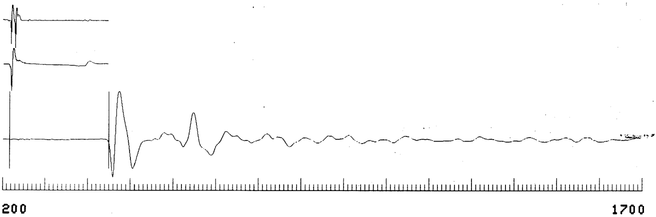

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STACK # 26 @   862.0 M    10 /3 /87  17 :16   TT =   438.2 MS
           GEOPHONE            .000306  CM/SEC  @   453.2 MS
           SHOTS STACKED : 46
           FILTER : OFF  - OFF
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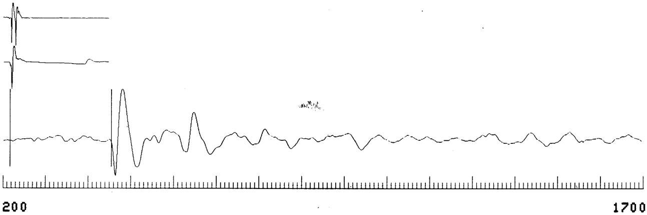

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STACK # 25 @   905.0 M    10 /3 /87  17 :13   TT =   448.4 MS
           GEOPHONE            .000348  CM/SEC  @   463.5 MS
           SHOTS STACKED : 44
           FILTER : OFF  - OFF
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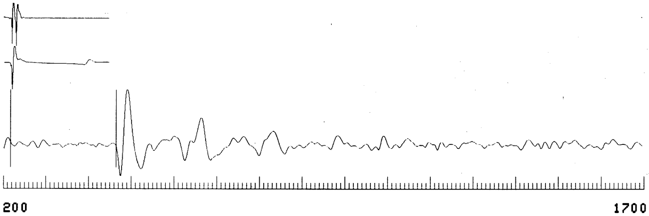
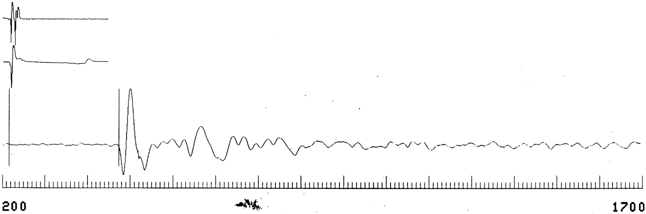
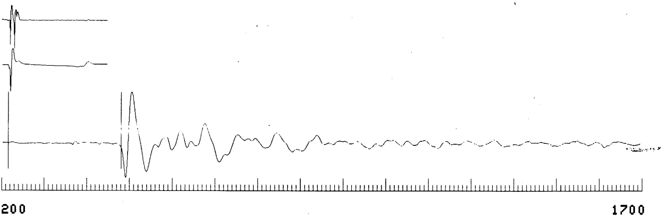


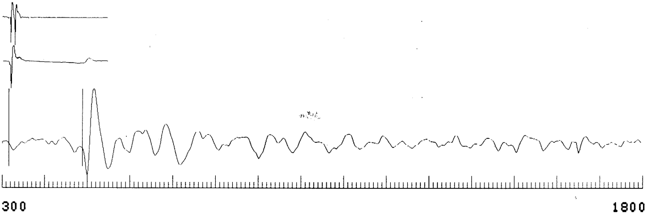
STACK # 24 @ 905.0 M 10 /3 /87 17 :9 TT = 457.6 MS
GEOPHONE .000351 CM/SEC @ 472.5 MS
SHOTS STACKED : 42
FILTER : OFF - OFF



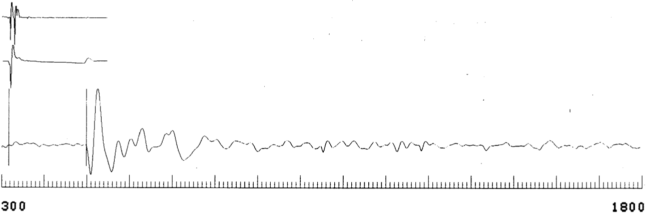
STACK # 22 @ 920.0 M 10 /3 /87 17 :4 TT = 464.5 MS
GEOPHONE .000303 CM/SEC @ 479.5 MS
SHOTS STACKED : 38
FILTER : OFF - OFF



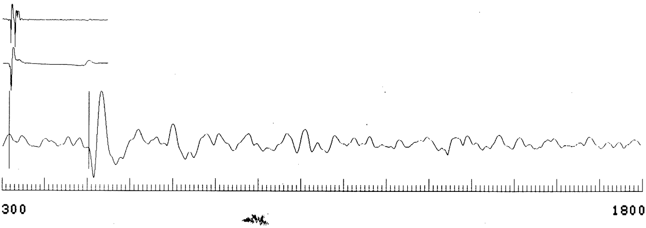
STACK # 21 @ 940.0 M 10 /3 /87 16 :57 TT = 472.9 MS
GEOPHONE .000302 CM/SEC @ 487.8 MS
SHOTS STACKED : 35
FILTER : OFF - OFF



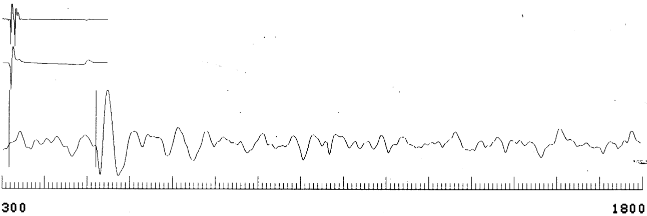
STACK # 19 @ 960.0 M 10 /3 /87 16 :53 TT = 482.6 MS
GEOPHONE .000322 CM/SEC @ 497.7 MS
SHOTS STACKED : 33
FILTER : OFF - OFF



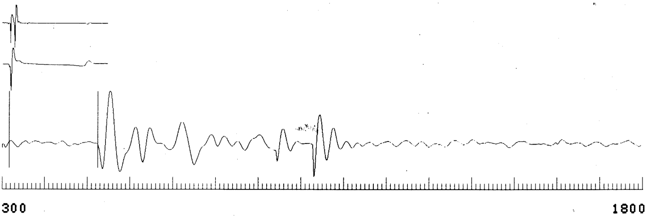
STACK # 18 @ 975.0 M 10 /3 /87 16 :50 TT = 487.4 MS
GEOPHONE .000311 CM/SEC @ 502.5 MS
SHOTS STACKED : 32
FILTER : OFF - OFF



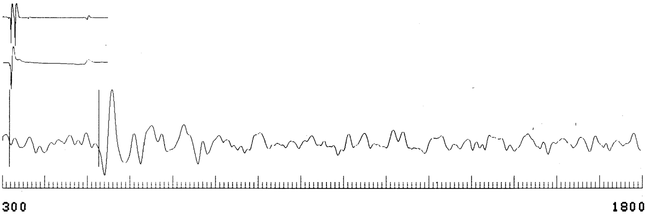
STACK # 17 @ 1007.0 M 10 /3 /87 16 :45 TT = 504.2 MS
GEOPHONE .000281 CM/SEC @ 519.3 MS
SHOTS STACKED : 30
FILTER : OFF - OFF



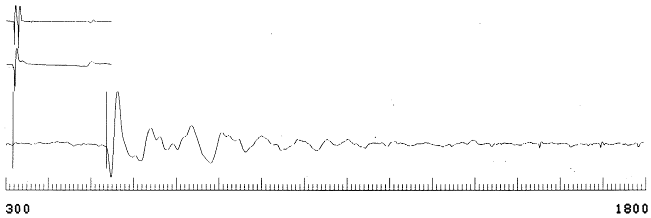
STACK # 16 @ 1020.0 M 10 /3 /87 16 :38 TT = 508.8 MS
GEOPHONE .000264 CM/SEC @ 523.9 MS
SHOTS STACKED : 26
FILTER : OFF - OFF



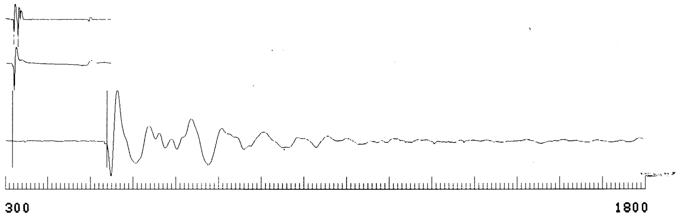
STACK # 13 @ 1035.0 M 10 /3 /87 16 :26 TT = 510.3 MS
GEOPHONE .000251 CM/SEC @ 525.4 MS
SHOTS STACKED : 19
FILTER : OFF - OFF



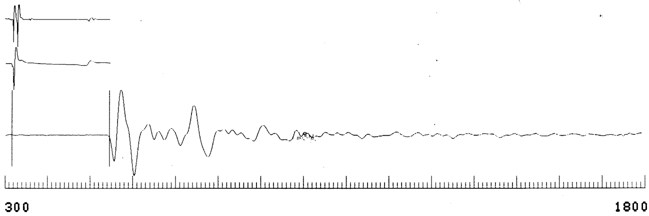
```
STACK # 11 @  1053.0 M     10 /3 /87  16 :22   TT =    520.3 MS
        GEOPHONE             .000191  CM/SEC  @   535.4 MS
        SHOTS STACKED : 17
        FILTER : OFF  - OFF
```



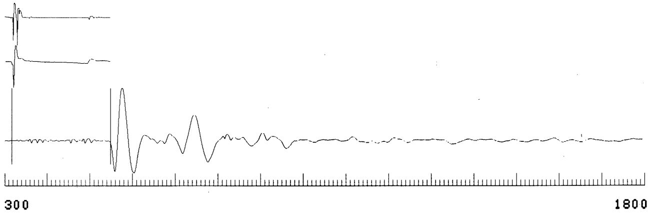
```
STACK # 9 @  1065.0 M     10 /3 /87  16 :17   TT =    522.2 MS
        GEOPHONE             .000178  CM/SEC  @   537.4 MS
        SHOTS STACKED : 14
        FILTER : OFF  - OFF
```



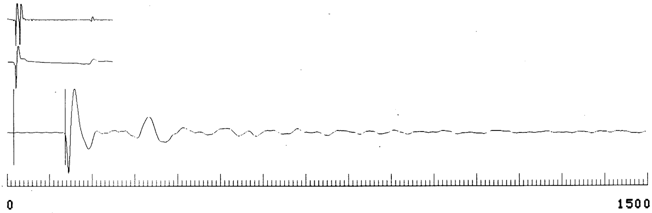
```
STACK # 7 @  1085.0 M     10 /3 /87  16 :11   TT =    529.5 MS
        GEOPHONE             .000202  CM/SEC  @   544.6 MS
        SHOTS STACKED : 11
        FILTER : OFF  - OFF
```



```
STACK # 5 @  1100.0 M     10 /3 /87  16 :7   TT =    532.4 MS
        GEOPHONE             .000206  CM/SEC  @   547.5 MS
        SHOTS STACKED : 9
        FILTER : OFF  - OFF
```



```
STACK # 2 @   200.0 M     10 /3 /87  15 :11   TT =    121.0 MS
        GEOPHONE             .003199  CM/SEC  @   135.9 MS
        SHOTS STACKED : 4
        FILTER : OFF  - OFF
```



FILE # 101