Schlumberger

CHECK SHOT SURVEY CONTRADA ULMO

CSU Field Log

COMPANY: AGIP

WELL: CONTRADA ULMO 1

FIELD: WILDCAT
COUNTY: SICILY
STATE: PROVINCE
NATION: ITALY
LOCATION:

SEC: TWP: RGE:
LATITUDE: 37 06'41"N
LONGITUDE: 01 58'54"E

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

ELEVATIONS-
KB: 223.1 M
DF: 223.8 M
GL: 215.0 M

DATE: 25 OCT 83
RUN NO: 1

OTHER SERVICES-
DLL-MSFL
HDT
FDC-CNL-GR
ISF-SLS
WST

PROGRAM
TAPE NO:
25.194

DEPTH-DRILLER: 2650.0 M
DEPTH-LOGGER: 2651.0 M
BTM. LOG INTERVAL: 2650.0 M
TOP LOG INTERVAL: 224.0 M

CASING-DRILLER:	301 M	2521 M
CASING-LOGGER:	301 M	2522 M
CASING:	13 3/8	9 5/8
WEIGHT:	68.00 LB/F	43.50 LB/F
BIT SIZE:	12.25	8.5
DEPTH:	2525 M	2650 M

TYPE FLUID IN HOLE: L.S.
DENSITY: 1.1 G/C3
VISCOSITY: 46.0 S
PH: 9.5
FLUID LOSS: 4.5 C3
SOURCE OF SAMPLE: CIRC
RM: .642 OHMM AT 21.1 DEGC
RMF: .560 OHMM AT 21.1 DEGC
RMC: .689 OHMM AT 21.1 DEGC
SOURCE RMF/RMC: PRESS /PRESS
RM AT BHT: .262 OHMM AT 83.0 DEGC
RMF AT BHT: .228 OHMM AT 83.0 DEGC
RMC AT BHT: .281 OHMM AT 83.0 DEGC

TIME CIRC. STOPPED: 02HR 23-10
TIME LOGGER ON BTM.: 22HR

MAX. REC. TEMP: 83.0 DEGC

LOGGING UNIT NO: 2719
LOGGING UNIT LOC: SYR
RECORDED BY: O.DAGARD
WITNESSED BY: NASEDU

REMARKS:

THIS IS A FIELD PRINT,NOT THE FINAL RESULT
OFFSET AZIMUTH:45DEGRES
OFFSET DIATANCE:30M.
GUN DEPTH:2.5M.

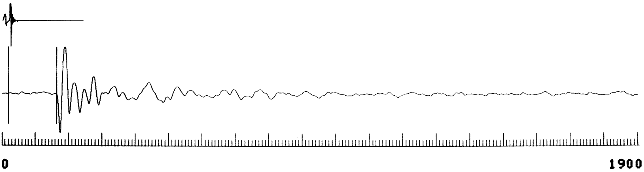
EQUIPMENT NUMBERS-

CPU 3961	WSC A 978	HPS AB 977	CAC B 975
WSM 1729	WDM 714	-	-
-			

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.

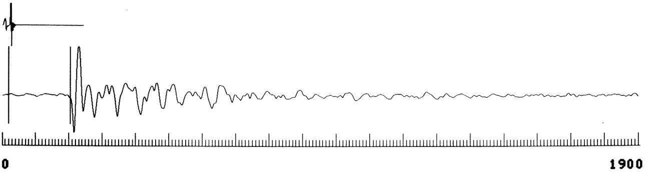
FILE 9 00- -00 03:32

```
STACK # 47 @   224.0 M     0 /0 /0   2 :59    TT =    144.3 MS
         GEOPHONE            .000983   CM/SEC   @    163.4 MS
         SHOTS STACKED : 234 ,235 ,236
         FILTER : 10    - 60
```



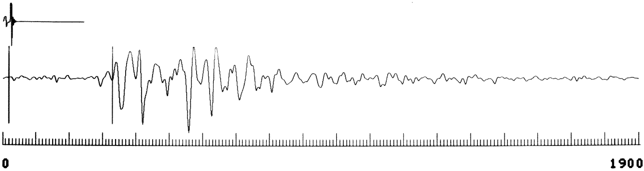
FILE # 7

```
STACK # 46 @   301.0 M     0 /0 /0   2 :53    TT =    184.5 MS
         GEOPHONE            .000671   CM/SEC   @    204.5 MS
         SHOTS STACKED : 231 ,232 ,233
         FILTER : 10    - 60
```



FILE # 7

```
STACK # 45 @   610.0 M     0 /0 /0   2 :45    TT =    310.9 MS
         GEOPHONE            .000176   CM/SEC   @    330.1 MS
         SHOTS STACKED : 225 ,226 ,227 ,228 ,229 ,230
         FILTER : 10    - 60
```



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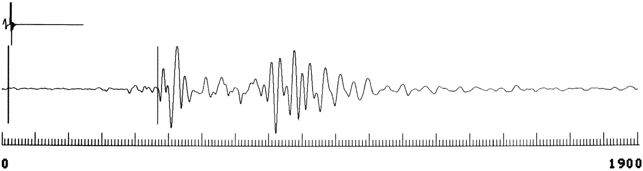
                        FILE # 7

STACK # 44 @   940.0 M    0 /0 /0  2 :36   TT =   447.1 MS
       GEOPHONE            .000067  CM/SEC  @   467.0 MS
       SHOTS STACKED : 219 ,220 ,221 ,222 ,223 ,224
       FILTER : 10   - 60
```



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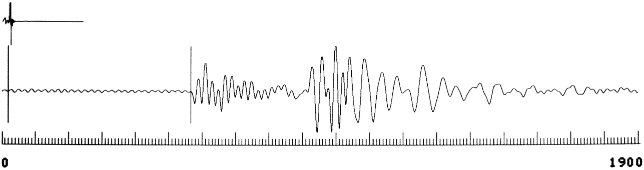
                        FILE # 7

STACK # 43 @  1150.0 M    0 /0 /0  2 :25   TT =   547.6 MS
       GEOPHONE            .000036  CM/SEC  @   566.4 MS
       SHOTS STACKED : 216 ,217 ,218
       FILTER : 10   - 60
```



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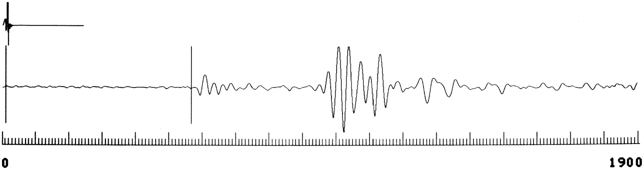
                        FILE # 7

STACK # 42 @  1200.0 M    0 /0 /0  2 :13   TT =   555.5 MS
       GEOPHONE            .000115  CM/SEC  @   567.4 MS
       SHOTS STACKED : 210 ,211 ,212 ,213 ,214 ,215
       FILTER : 10   - 60
```



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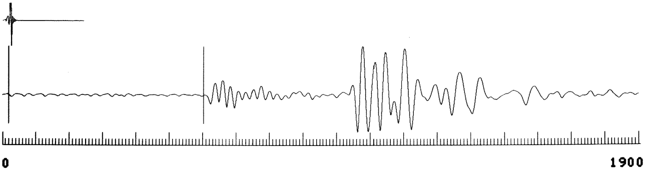
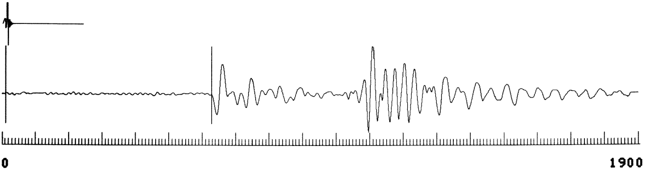
                        FILE # 7

STACK # 41 @  1291.0 M    0 /0 /0  2 :8    TT =   583.5 MS
       GEOPHONE            .000040  CM/SEC  @   603.3 MS
       SHOTS STACKED : 204 ,205 ,206 ,207 ,208 ,209
       FILTER : 10   - 60
```



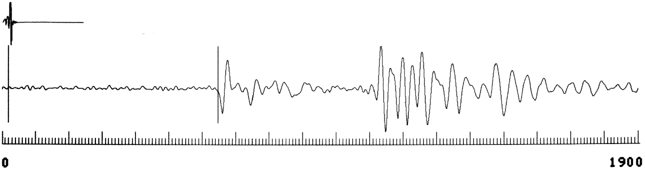
FILE # 7

STACK # 40 @ 1376.0 M 0 /0 /0 2 :1 TT = 616.5 MS
GEOPHONE .000015 CM/SEC @ 628.5 MS
SHOTS STACKED : 201 ,202 ,203
FILTER : 10 - 60



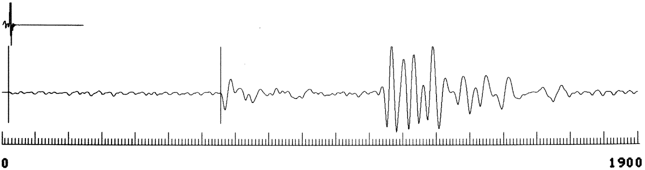
FILE # 7

STACK # 39 @ 1405.0 M 0 /0 /0 1 :57 TT = 627.0 MS
GEOPHONE .000016 CM/SEC @ 647.0 MS
SHOTS STACKED : 198 ,199 ,200
FILTER : 10 - 60



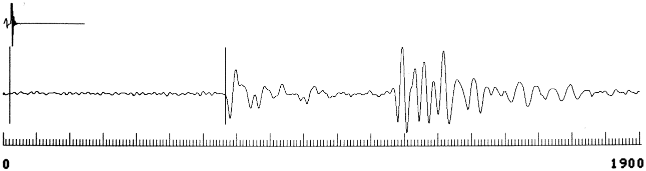
FILE # 7

STACK # 38 @ 1445.0 M 0 /0 /0 1 :50 TT = 636.5 MS
GEOPHONE .000016 CM/SEC @ 656.5 MS
SHOTS STACKED : 189 ,190 ,191
FILTER : 10 - 60



FILE # 6

STACK # 37 @ 1487.0 M 0 /0 /0 1 :47 TT = 645.7 MS
GEOPHONE .000015 CM/SEC @ 666.3 MS
SHOTS STACKED : 186 ,187 ,188
FILTER : 10 - 60



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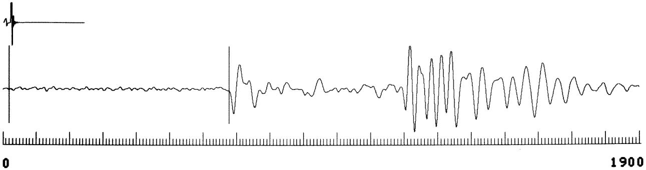
                              FILE # 6

         STACK # 36 @  1525.0 M     0 /0 /0   1 :44   TT =    658.5 MS
                  GEOPHONE          .000014  CM/SEC  @   678.4 MS
                  SHOTS STACKED : 183 ,184 ,185
                  FILTER : 10   - 60
```



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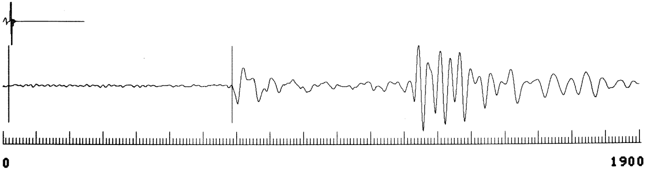
                              FILE # 6

         STACK # 35 @  1565.0 M     0 /0 /0   1 :40   TT =    669.9 MS
                  GEOPHONE          .000010  CM/SEC  @   687.7 MS
                  SHOTS STACKED : 174 ,175
                                  176 ,177 ,178 ,179 ,180 ,181 ,182
                  FILTER : 10   - 60
```



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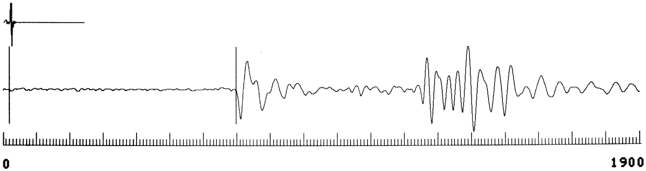
                              FILE # 6

         STACK # 34 @  1605.0 M     0 /0 /0   1 :34   TT =    679.9 MS
                  GEOPHONE          .000012  CM/SEC  @   698.6 MS
                  SHOTS STACKED : 171 ,172 ,173
                  FILTER : 10   - 60
```



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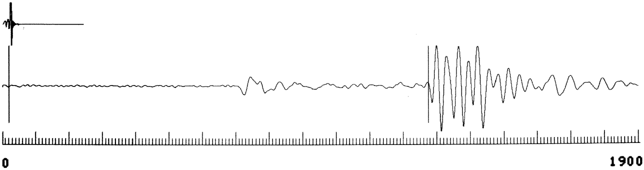
                              FILE # 6

         STACK # 33 @  1645.0 M     0 /0 /0   1 :17   TT =   1253.6 MS
                  GEOPHONE          .000025  CM/SEC  @  1274.6 MS
                  SHOTS STACKED : 166 ,167 ,168 ,169 ,170
                  FILTER : 10   - 60
```



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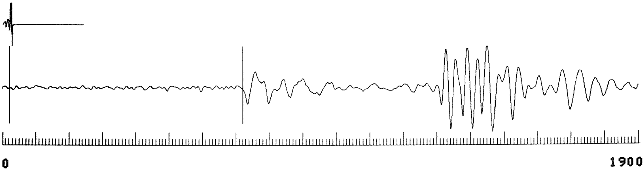
FILE # 6

STACK # 32 @  1685.0 M     0 /0 /0   1 :10    TT =    699.9 MS
          GEOPHONE               .000007  CM/SEC  @    721.7 MS
          SHOTS STACKED : 163 ,164 ,165
          FILTER : 10    - 60
```



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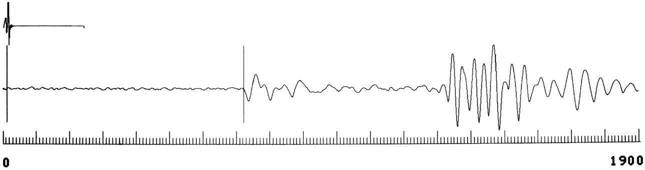
FILE # 6

STACK # 31 @  1725.0 M     0 /0 /0   1 :7     TT =    709.8 MS
          GEOPHONE               .000008  CM/SEC  @    722.3 MS
          SHOTS STACKED : 158 ,159 ,160 ,161 ,162
          FILTER : 10    - 60
```



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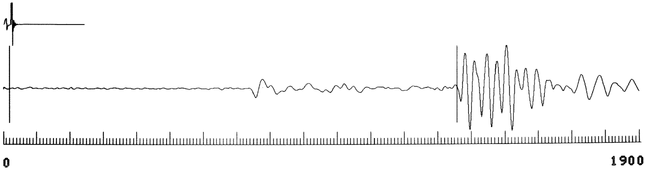
FILE # 6

STACK # 30 @  1765.0 M     0 /0 /0   1 :4     TT =   1337.2 MS
          GEOPHONE               .000020  CM/SEC  @   1357.1 MS
          SHOTS STACKED : 153 ,154 ,155 ,156 ,157
          FILTER : 10    - 60
```



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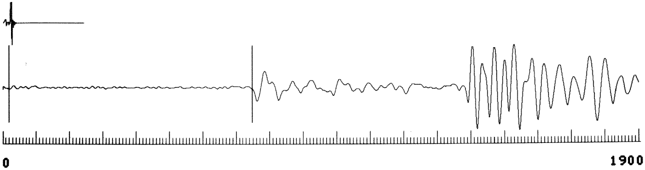
FILE # 6

STACK # 29 @  1800.0 M     0 /0 /0   1 :1     TT =    728.0 MS
          GEOPHONE               .000006  CM/SEC  @    747.8 MS
          SHOTS STACKED : 150 ,151 ,152
          FILTER : 10    - 60
```



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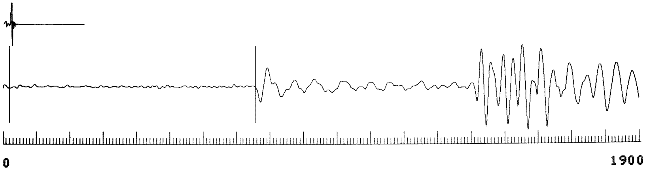
                              FILE # 6

             STACK # 28 @  1840.0 M    0 /0 /0   0 :58    TT =   736.7 MS
                 GEOPHONE              .000007  CM/SEC  @   756.5 MS
                 SHOTS STACKED : 147 ,148 ,149
                 FILTER : 10   - 60
```



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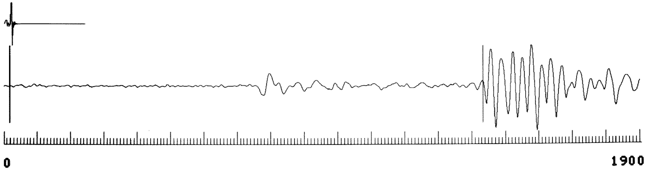
                              FILE # 6

             STACK # 27 @  1880.0 M    0 /0 /0   0 :55    TT =  1416.0 MS
                 GEOPHONE              .000018  CM/SEC  @  1433.7 MS
                 SHOTS STACKED : 141 ,142 ,143 ,144 ,145 ,146
                 FILTER : 10   - 60
```



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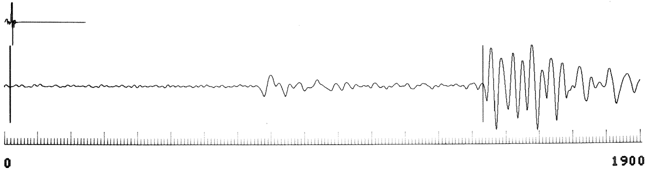
                              FILE # 6

             STACK # 26 @  1880.0 M    0 /0 /0   0 :50    TT =  1415.2 MS
                 GEOPHONE              .000020  CM/SEC  @  1432.9 MS
                 SHOTS STACKED : 141 ,142 ,143
                 FILTER : 10   - 60
```



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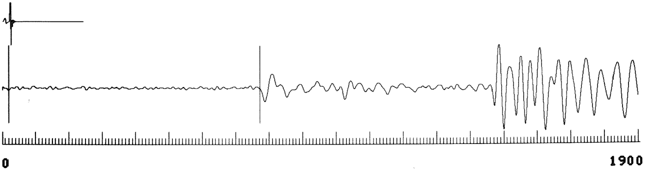
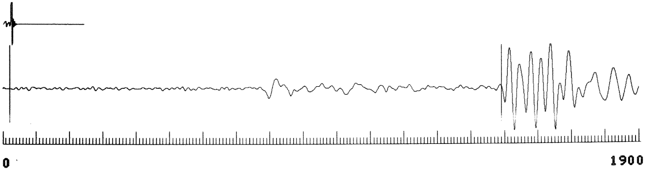
                              FILE # 6

             STACK # 25 @  1920.0 M    0 /0 /0   0 :47    TT =   753.7 MS
                 GEOPHONE              .000005  CM/SEC  @   772.5 MS
                 SHOTS STACKED : 138 ,139 ,140
                 FILTER : 10   - 60
```



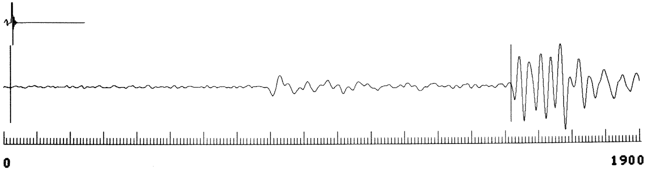
FILE # 6

STACK # 24 @ 1960.0 M 0 /0 /0 0 :32 TT = 1469.3 MS
GEOPHONE .000015 CM/SEC @ 1490.0 MS
SHOTS STACKED : 133 ,134 ,135 ,136 ,137
FILTER : 10 - 60



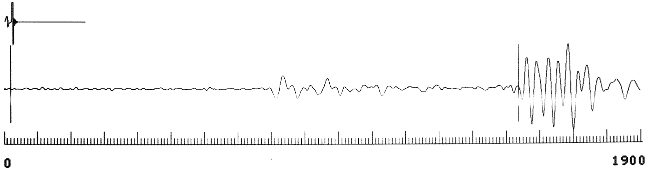
FILE # 6

STACK # 23 @ 2000.0 M 0 /0 /0 0 :29 TT = 1496.3 MS
GEOPHONE .000013 CM/SEC @ 1517.0 MS
SHOTS STACKED : 130 ,131 ,132
FILTER : 10 - 60



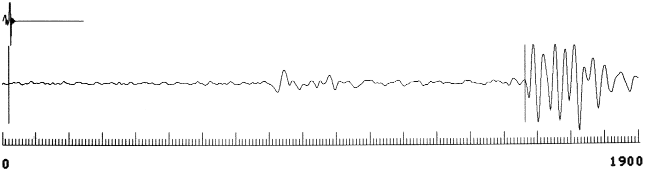
FILE # 6

STACK # 22 @ 2030.0 M 0 /0 /0 0 :26 TT = 1517.6 MS
GEOPHONE .000013 CM/SEC @ 1536.4 MS
SHOTS STACKED : 127 ,128 ,129
FILTER : 10 - 60



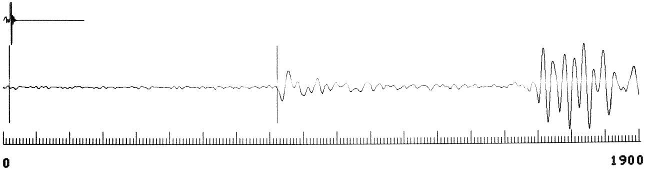
FILE # 6

STACK # 21 @ 2070.0 M 0 /0 /0 0 :24 TT = 1545.0 MS
GEOPHONE .000016 CM/SEC @ 1563.2 MS
SHOTS STACKED : 124 ,125 ,126
FILTER : 10 - 60



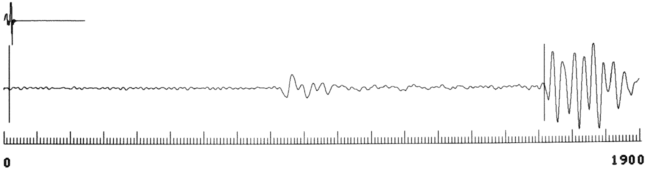
FILE # 6

STACK # 20 @ 2110.0 M 0 /0 /0 0 :21 TT = 803.2 MS
GEOPHONE .000007 CM/SEC @ 821.5 MS
SHOTS STACKED : 121 ,122 ,123
FILTER : 10 - 60



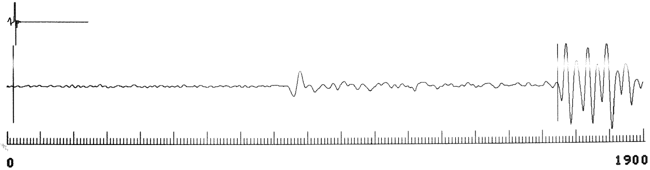
FILE # 6

STACK # 19 @ 2150.0 M 0 /0 /0 0 :17 TT = 1599.5 MS
GEOPHONE .000017 CM/SEC @ 1616.3 MS
SHOTS STACKED : 118 ,119 ,120
FILTER : 10 - 60



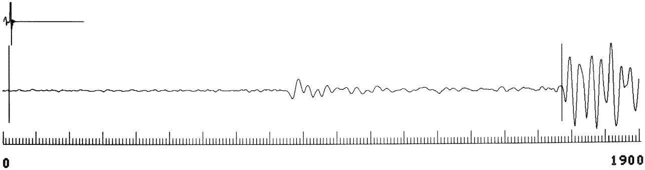
FILE # 6

STACK # 18 @ 2190.0 M 0 /0 /0 0 :14 TT = 1626.6 MS
GEOPHONE .000015 CM/SEC @ 1645.4 MS
SHOTS STACKED : 115 ,116 ,117
FILTER : 10 - 60



FILE # 6

STACK # 17 @ 2225.0 M 0 /0 /0 0 :6 TT = 1652.6 MS
GEOPHONE .000014 CM/SEC @ 1671.4 MS
SHOTS STACKED : 110 ,111 ,112 ,113 ,114
FILTER : 10 - 60



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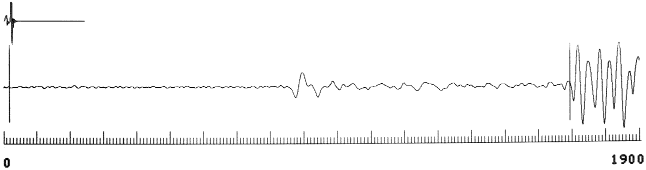
                         FILE # 6

STACK # 16 @  2260.0 M    0 /0 /0  0 :2    TT =  1675.8 MS
       GEOPHONE            .000014  CM/SEC  @  1693.7 MS
       SHOTS STACKED : 105 ,106 ,107 ,108 ,109
       FILTER : 10   - 60
```



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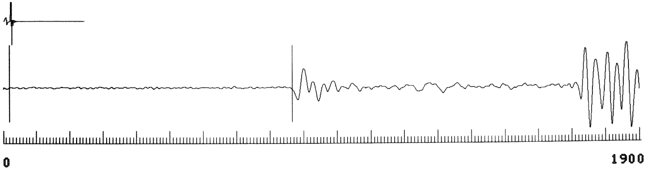
                         FILE # 6

STACK # 15 @  2292.0 M    0 /0 /0  23 :59   TT =   847.2 MS
       GEOPHONE            .000007  CM/SEC  @   865.3 MS
       SHOTS STACKED : 100 ,101 ,102 ,103 ,104
       FILTER : 10   - 60
```



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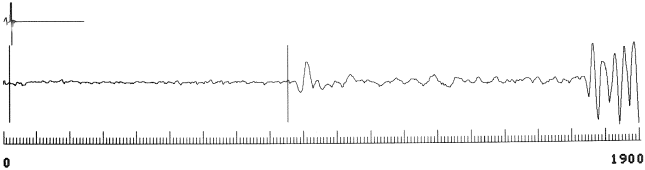
                         FILE # 6

STACK # 14 @  2327.0 M    0 /0 /0  23 :56   TT =   835.0 MS
       GEOPHONE            .000002  CM/SEC  @   853.7 MS
       SHOTS STACKED : 95 ,96 ,97 ,98 ,99
       FILTER : OFF  - OFF
```



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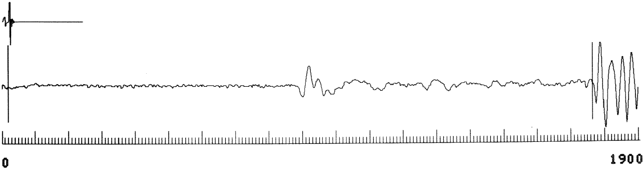
                         FILE # 6

STACK # 13 @  2363.0 M    0 /0 /0  23 :53   TT =  1747.8 MS
       GEOPHONE            .000012  CM/SEC  @ 1765.9 MS
       SHOTS STACKED : 90 ,91 ,92 ,93 ,94
       FILTER : OFF  - OFF
```



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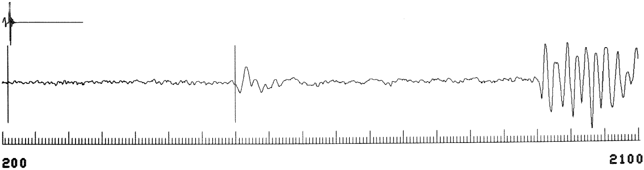
                          FILE # 6

STACK # 12 @  2417.0 M     0 /0 /0   23 :49    TT =    881.0 MS
        GEOPHONE                .000007  CM/SEC   @   899.0 MS
        SHOTS STACKED : 85 ,86 ,87 ,88 ,89
        FILTER : OFF   - OFF
```



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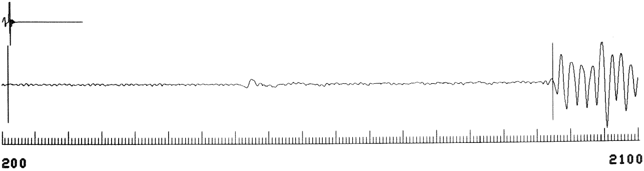
                          FILE # 6

STACK # 11 @  2485.0 M     0 /0 /0   23 :44    TT =   1827.9 MS
        GEOPHONE                .000029  CM/SEC   @  1846.7 MS
        SHOTS STACKED : 80 ,81 ,82 ,83 ,84
        FILTER : OFF   - OFF
```



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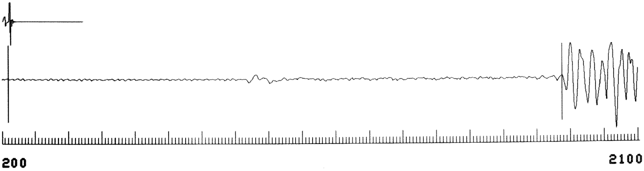
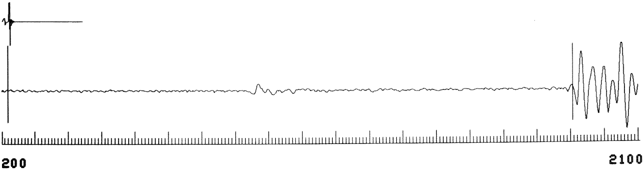
                          FILE # 6

STACK # 10 @  2525.0 M     0 /0 /0   23 :38    TT =   1856.5 MS
        GEOPHONE                .000034  CM/SEC   @  1875.2 MS
        SHOTS STACKED : 75 ,76 ,77 ,78 ,79
        FILTER : OFF   - OFF
```



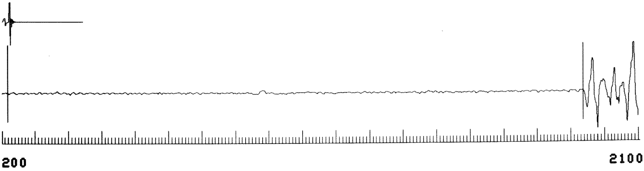
```
                          FILE # 6

STACK # 9 @  2565.0 M     0 /0 /0   23 :32    TT =   1888.0 MS
        GEOPHONE                .000033   CM/SEC   @  1906.6 MS
        SHOTS STACKED : 70 ,71 ,72 ,73 ,74
        FILTER : OFF   - OFF
```



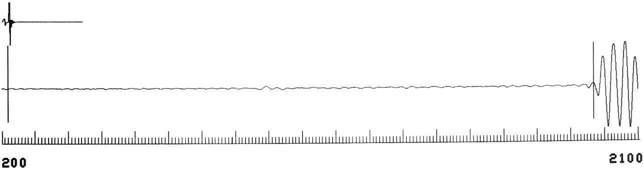
```
                    FILE # 6

STACK # 8 @  2606.0 M     0 /0 /0  23 :25    TT =  1919.5 MS
     GEOPHONE                .000063  CM/SEC   @  1937.5 MS
     SHOTS STACKED : 61 ,62 ,63 ,64 ,65 ,66
     FILTER : OFF   - OFF
```



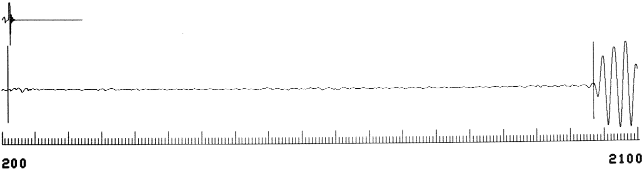
```
                    FILE # 6

STACK # 7 @  2650.0 M     0 /0 /0  23 :18    TT =  1951.1 MS
     GEOPHONE                .000091  CM/SEC   @  1969.7 MS
     SHOTS STACKED : 56 ,57 ,58 ,59 ,60
     FILTER : OFF   - OFF
```



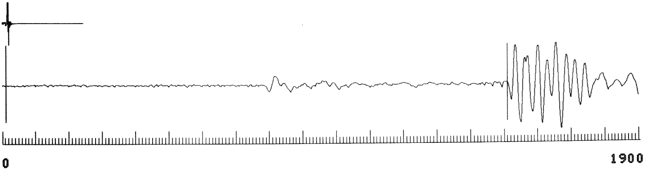
```
                    FILE # 6

STACK # 6 @  2650.0 M     0 /0 /0  22 :57    TT =  1952.0 MS
     GEOPHONE                .000169  CM/SEC   @  1970.8 MS
     SHOTS STACKED : 49 ,50 ,51
     FILTER : OFF   - OFF
```



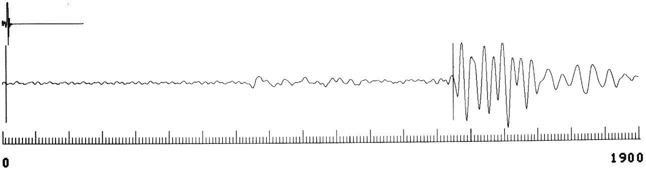
```
                    FILE # 4

STACK # 5 @  2000.0 M     0 /0 /0  22 :40    TT =  1497.9 MS
     GEOPHONE                .000032  CM/SEC   @  1509.8 MS
     SHOTS STACKED : 41 ,42 ,43 ,44 ,45
     FILTER : OFF   - OFF
```



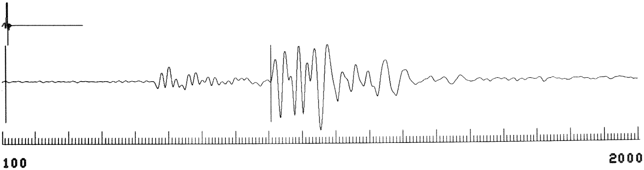
FILE # 4

STACK # 4 @ 1765.0 M 0 /0 /0 22 :29 TT = 1337.3 MS
GEOPHONE .000032 CM/SEC @ 1348.9 MS
SHOTS STACKED : 37 ,38 ,39 ,40
FILTER : 10 - 60



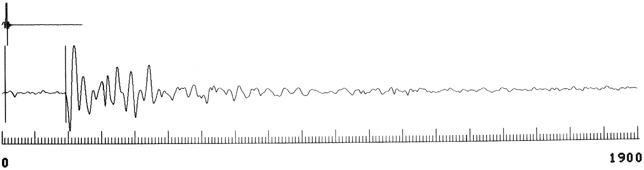
FILE # 4

STACK # 3 @ 1150.0 M 0 /0 /0 22 :2 TT = 895.2 MS
GEOPHONE .000121 CM/SEC @ 906.3 MS
SHOTS STACKED : 14 ,15 ,16 ,17
FILTER : 10 - 60



FILE # 4

STACK # 2 @ 301.0 M 0 /0 /0 21 :41 TT = 181.3 MS
GEOPHONE .000535 CM/SEC @ 192.7 MS
SHOTS STACKED : 8 ,9 ,10 ,11 ,12 ,13
FILTER : 10 - 60



FILE # 4

```
                           FILE # 3


            BEFORE SURVEY CALIBRATION SUMMARY


  PERFORMED:      00/00/00
  PROGRAM FILE: WSS    (VERSION    25.194  83/04/01)


WSTA                CALIPER CALIBRATION SUMMARY

            MEASURED                     CALIBRATED
         SMALL    LARGE             SMALL        LARGE        UNITS
  CALI    8.1     15.2               8.0          12.0         IN

                FILE 2              00-    -00 17:04
```