Schlumberger

SETTEFARINE 1 * WSS * RUN 1

CSU Field Log

COMPANY: AGIP

WELL: SETTEFARINE 1

FIELD: WILDCAT
RIG:. : NAT. 1320 UE

NATION: ITALY
LOCATION: LAND SICILY

LATITUDE: 37 07 13 N
LONGITUDE: 01 48 11 EMM

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 75.0 M
LOG MEASURED FROM: DF
9.3 M ABOVE PERM. DATUM
DRLG. MEASURED FROM: DF

ELEVATIONS-
KB: 84.6 M
DF: 84.3 M
GL: 75.0 M

DATE: 6 APR 86
RUN NO: 1

OTHER SERVICES-
LDL/CNL/GR
ISF/SLS/GR
DLL/MSFL/GR
HDT

PROGRAM
TAPE NO:
28.4
SERVICE
ORDER NO:

DEPTH-DRILLER: 4715.0 M
DEPTH-LOGGER: 4719.0 M
BTM. LOG INTERVAL: 4716.0 M
TOP LOG INTERVAL: 84.0 M

CASING-DRILLER:	303.0 M	1403.0 M	2778.0 M
CASING-LOGGER:	303.0 M	1401.5 M	2777.5 M
CASING:	20	13 3/8"	9 5/8"
WEIGHT:	106.500 LB/F	68.0000 LB/F	47.0000 LB/F
BIT SIZE:	17 1/2	12 1/4"	8 1/2"
DEPTH:	1408.0 M	2783.0 M	4715.0 M

TYPE FLUID IN HOLE: LS
DENSITY: 1.30 G/C3
VISCOSITY: 71.0 S
PH: 9.0
FLUID LOSS: 3.8 C3
SOURCE OF SAMPLE: FLOWLINE
RM: .565 OHMM AT 27.0 DEGC
RMF: .385 OHMM AT 19.5 DEGC
RMC: .770 OHMM AT 19.5 DEGC
SOURCE RMF/RMC: PRESS /PRESS
RM AT BHT: .222 OHMM AT 102. DEGC
RMF AT BHT: .128 OHMM AT 102. DEGC
RMC AT BHT: .256 OHMM AT 102. DEGC

TIME CIRC. STOPPED: 05/04 12:00
TIME LOGGER ON BTM.: 06/04 16:49

MAX. REC. TEMP: 102.0 DEGC

LOGGING UNIT NO: 2719
LOGGING UNIT LOC: SYR
RECORDED BY: KATER
WITNESSED BY:

SEISMIC DATA:

SRD TO GROUND LEVEL: 9 M
SRD TO ROTARY TABLE: -84 M

GUN DEPTH BELOW GL: 3 M
HYDRO DEPTH BELOW GL: 3 M

MAX HOLE DEVIATION: 4 DEG
AZIMUTH OF HOLE DEV: 130 DEG

SOURCE OFFSET DISTANCE: 36 M
SOURCE OFFSET AZIMUTH: 320 DEG

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

JOB TYPE: CHECKSHOT
RIG TYPE: DERRICK

SOURCE TYPE: AIRGUN
GUN VOLUME: 2 X 200

REMARKS:

LEVELS RUN FROM TOP TO TD , THEREBY DRAGGING THE
OPENED CALIPER 10 METERS TO EACH LEVEL.
MAXIMUM DEVIATION = 3 DEGREES (TOTCO MEASUREMENT).
DURATION OF LAST CIRCULATION = 3 HOURS
MUD SALINITY = 11 G/L NACL.
TD TOUCHED AT EXACTLY 4719 M.
THIS IS ONLY THE FIELD COPY , NOT THE FINAL PRODUCT.

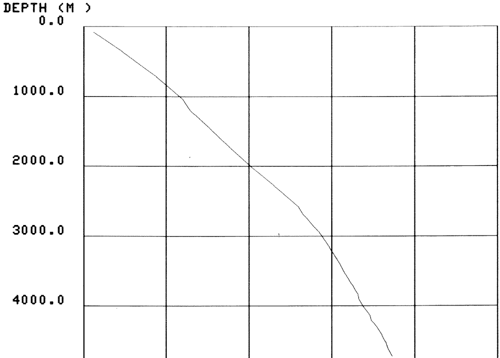
EQUIPMENT NUMBERS-

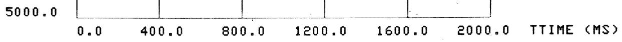
CAH-A 878
WSA-AB 975
ECH-MCA 935
WDM 845
WSM 770
CPU-CBE 3962

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.

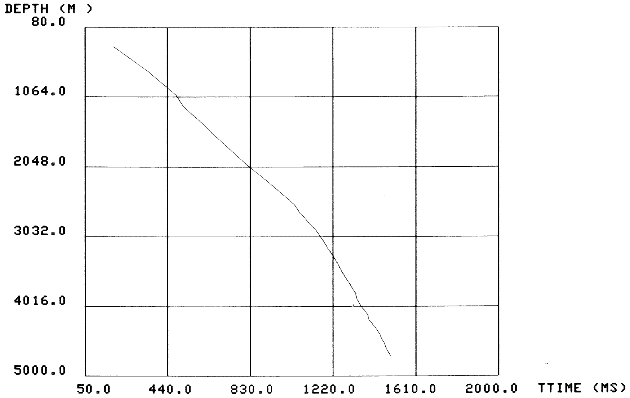
CP 28.4 FILE 3 06-APR-86 18:09

WST DEPTH VS TTIME CURVE





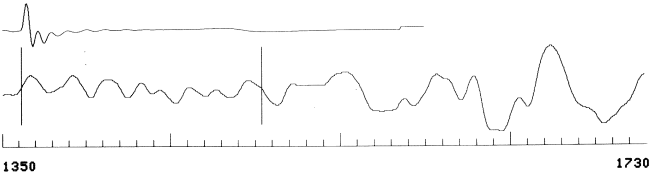
WST DEPTH VS TTIME CURVE



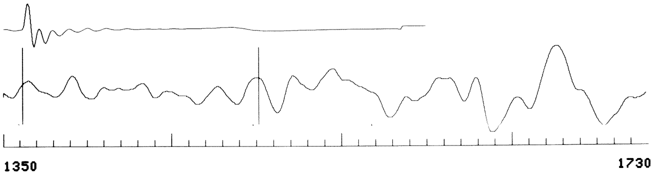
WST DEPTH VS TTIME SUMMARY

STACK NBR	DEPTH (M)	TTIME (MS)
45	84.0	51.9
1	350.0	187.1
2	710.0	354.7
3	1038.0	484.1
4	1190.0	517.1
5	1445.0	608.7
6	1578.0	654.9
7	1715.0	705.0
8	1995.0	809.0
9	2270.0	921.6
10	2520.0	1020.8
11	2580.0	1042.8
12	2655.0	1058.1
13	2692.0	1065.2
14	2742.0	1082.1
15	2840.0	1108.6
16	2946.0	1143.7
17	3024.0	1161.7
18	3150.0	1190.0
19	3200.0	1199.6
20	3250.0	1210.6
21	3327.0	1226.2
22	3410.0	1243.5
23	3542.0	1265.5
24	3565.0	1271.7
25	3627.0	1284.5
26	3680.0	1295.6
27	3707.0	1302.5
28	3767.0	1314.1
29	3836.0	1327.7
32	3900.0	1332.7
31	3900.0	1350.6
30	3900.0	1333.6
33	3990.0	1348.7
34	4110.0	1380.4
35	4140.0	1386.1
36	4207.0	1392.6
37	4253.0	1406.6
38	4303.0	1420.7
39	4407.0	1442.7
40	4466.0	1450.7
41	4528.0	1463.4
42	4600.0	1471.0
44	4716.0	1492.6
43	4716.0	1490.0

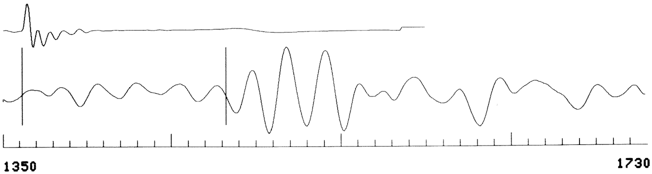
```
STACK # 44 @  4716.0 M     4 /6 /86  16 :55    TT =  1492.6 MS
           GEOPHONE              .000004  CM/SEC  @  1503.0 MS
           SHOTS STACKED : 252
                           253 ,255 ,257 ,258 ,259 ,261 ,264
                           265 ,266 ,267 ,268 ,269 ,270 ,271
           FILTER : OFF  - 60
```



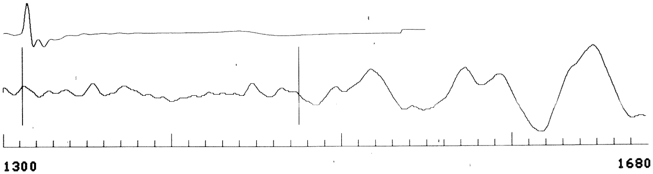
```
STACK # 43 @  4716.0 M     4 /6 /86  16 :51    TT =  1490.0 MS
           GEOPHONE              .000006  CM/SEC  @  1500.4 MS
           SHOTS STACKED : 252
                           253 ,255 ,257 ,258 ,259 ,261 ,264
           FILTER : OFF  - 60
```



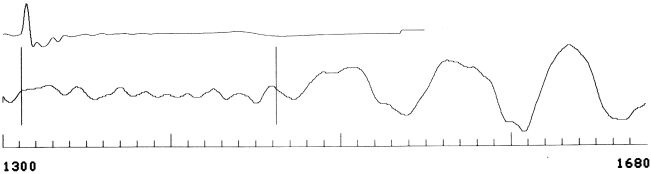
```
                     FILE # 1
STACK # 42 @  4600.0 M     4 /6 /86  16 :32    TT =  1471.0 MS
           GEOPHONE              .000026  CM/SEC  @  1481.5 MS
           SHOTS STACKED : 244 ,247 ,248
           FILTER : OFF  - 60
```



```
                     FILE # 1
STACK # 41 @  4528.0 M     4 /6 /86  15 :58    TT =  1463.4 MS
           GEOPHONE              .000003  CM/SEC  @  1474.0 MS
           SHOTS STACKED : 229 ,230 ,231
           FILTER : OFF  - 60
```

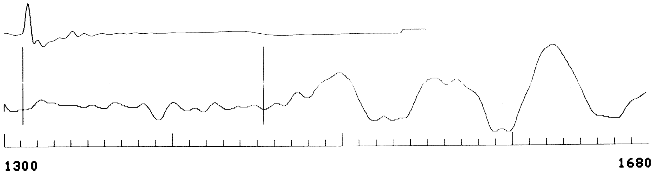


```
                     FILE # 1
STACK # 40 @  4466.0 M     4 /6 /86  15 :49    TT =  1450.7 MS
           GEOPHONE              .000003  CM/SEC  @  1461.0 MS
           SHOTS STACKED : 223 ,224 ,225
           FILTER : OFF  - 60
```



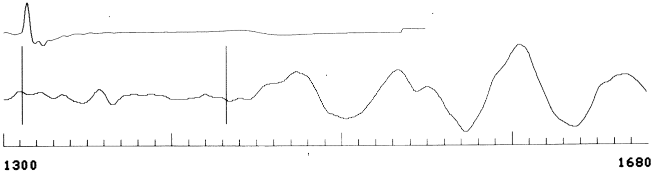
```
                          FILE # 1

        STACK # 39 @  4407.0 M     4 /6 /86  15 :42    TT =  1442.7 MS
               GEOPHONE              .000004  CM/SEC  @  1453.0 MS
               SHOTS STACKED : 217 ,219 ,220 ,221 ,222
               FILTER : OFF   - 60
```



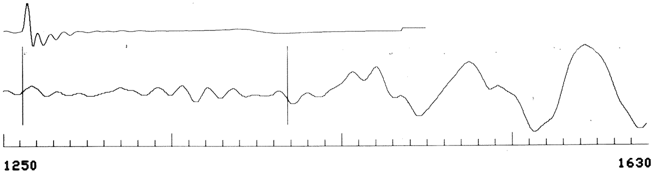
```
                          FILE # 1

        STACK # 38 @  4303.0 M     4 /6 /86  15 :29    TT =  1420.7 MS
               GEOPHONE              .000007  CM/SEC  @  1431.0 MS
               SHOTS STACKED : 214 ,215 ,216
               FILTER : OFF   - 60
```



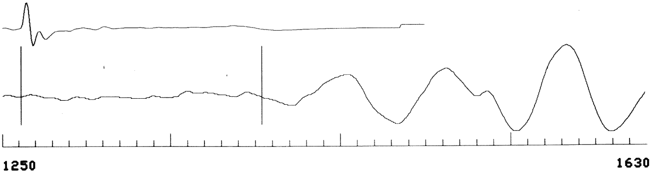
```
                          FILE # 1

        STACK # 37 @  4253.0 M     4 /6 /86  15 :23    TT =  1406.6 MS
               GEOPHONE              .000006  CM/SEC  @  1417.0 MS
               SHOTS STACKED : 201 ,204
                              205 ,206 ,207 ,208 ,210 ,212 ,213
               FILTER : OFF   - 60
```



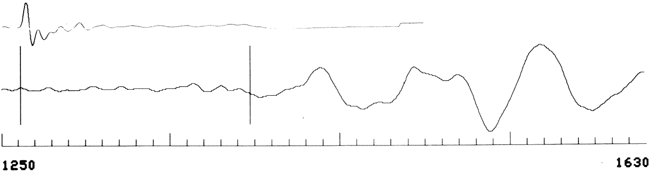
```
                          FILE # 1

        STACK # 36 @  4207.0 M     4 /6 /86  15 :8    TT =  1392.6 MS
               GEOPHONE              .000005  CM/SEC  @  1403.0 MS
               SHOTS STACKED : 194 ,195 ,196 ,197 ,198
               FILTER : OFF   - 60
```



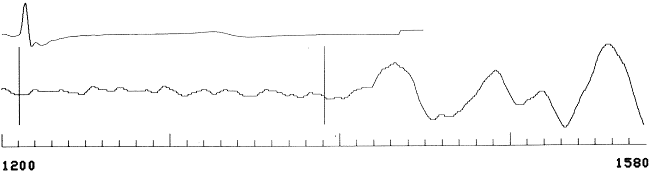
```
                         FILE # 1

STACK # 35 @  4140.0 M     4 /6 /86  15 :1    TT =  1386.1 MS
      GEOPHONE              .000006  CM/SEC  @  1396.4 MS
      SHOTS STACKED : 190 ,191 ,192
      FILTER : OFF   - 60
```



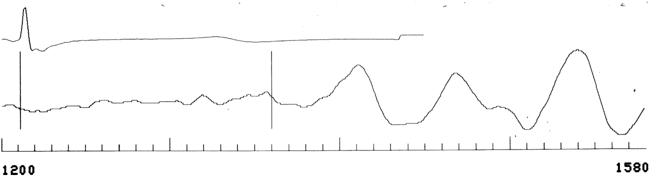
```
                         FILE # 1

STACK # 34 @  4110.0 M     4 /6 /86  13 :46    TT =  1380.4 MS
      GEOPHONE              .000003  CM/SEC  @  1390.0 MS
      SHOTS STACKED : 183 ,184 ,185 ,186 ,187 ,188 ,189
      FILTER : OFF   - 60
```



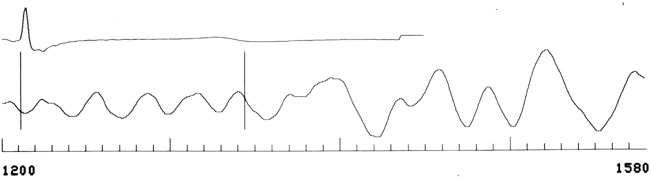
```
                         FILE # 1

STACK # 33 @  3990.0 M     4 /6 /86  13 :38    TT =  1348.7 MS
      GEOPHONE              .000005  CM/SEC  @  1359.0 MS
      SHOTS STACKED : 174
                      175 ,176 ,177 ,178 ,179 ,180 ,181
      FILTER : OFF   - 60
```



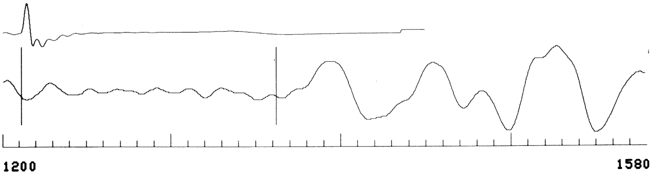
```
                         FILE # 1

STACK # 32 @  3900.0 M     4 /6 /86  13 :29    TT =  1332.7 MS
      GEOPHONE              .000004  CM/SEC  @  1343.0 MS
      SHOTS STACKED : 168 ,169 ,170 ,172 ,173
      FILTER : OFF   - 60
```

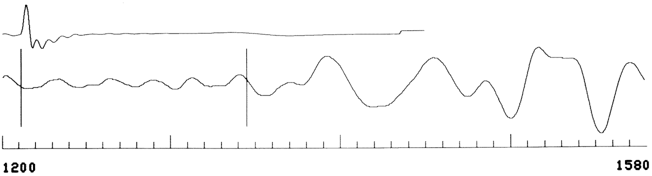


```
                              FILE # 1

         STACK # 31 @  3900.0 M     4 /6 /86  13 :25    TT =  1350.6 MS
              GEOPHONE               .000006  CM/SEC   @  1361.0 MS
              SHOTS STACKED : 148
                               151 ,154 ,156 ,157 ,158 ,159 ,160
                               161 ,162 ,163 ,164 ,165 ,166 ,167
              FILTER : OFF   - 60
```

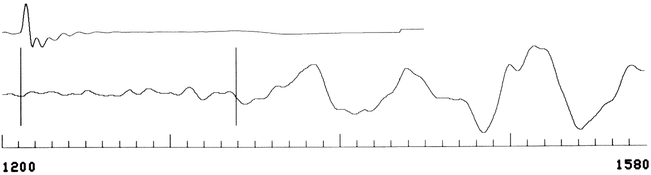


```
         STACK # 30 @  3900.0 M     4 /6 /86  13 :18    TT =  1333.6 MS
              GEOPHONE               .000004  CM/SEC   @  1344.0 MS
              SHOTS STACKED : 148
                               151 ,154 ,156 ,157 ,158 ,159 ,160
              FILTER : OFF   - 60
```



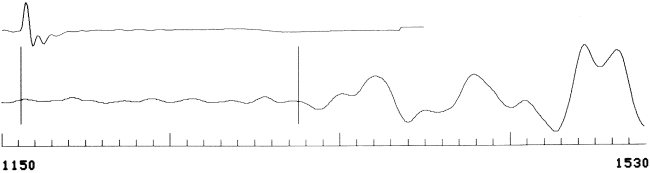
```
                              FILE # 1

         STACK # 29 @  3836.0 M     4 /6 /86  13 :2    TT =  1327.7 MS
              GEOPHONE               .000003  CM/SEC   @  1338.0 MS
              SHOTS STACKED : 139 ,141 ,142 ,143 ,144
              FILTER : OFF   - 60
```



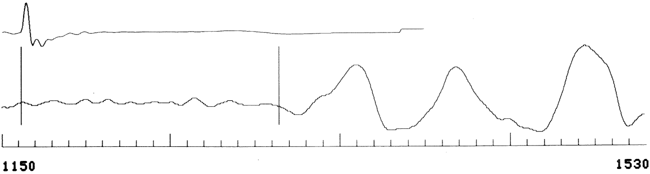
```
                              FILE # 1

         STACK # 28 @  3767.0 M     4 /6 /86  12 :55    TT =  1314.1 MS
              GEOPHONE               .000003  CM/SEC   @  1324.6 MS
              SHOTS STACKED : 131 ,132 ,134 ,135 ,136 ,137 ,138
              FILTER : OFF   - 60
```



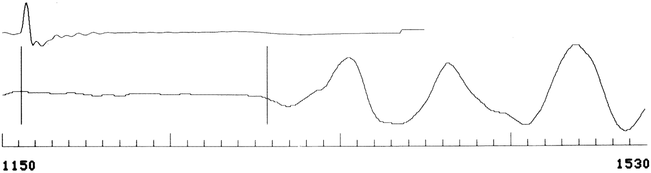
FILE # 1

```
STACK # 27 @  3707.0 M    4 /6 /86  12 :3    TT =  1302.5 MS
          GEOPHONE              .000003  CM/SEC  @  1313.0 MS
          SHOTS STACKED : 121 ,122 ,124 ,125 ,126 ,127 ,128
          FILTER : OFF   - 60
```



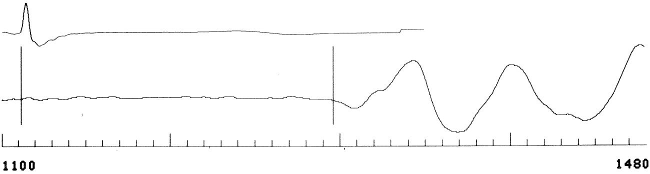
FILE # 1

```
STACK # 26 @  3680.0 M    4 /6 /86  11 :55   TT =  1295.6 MS
          GEOPHONE              .000002  CM/SEC  @  1306.0 MS
          SHOTS STACKED : 115 ,116 ,117 ,118 ,119
          FILTER : OFF   - 60
```



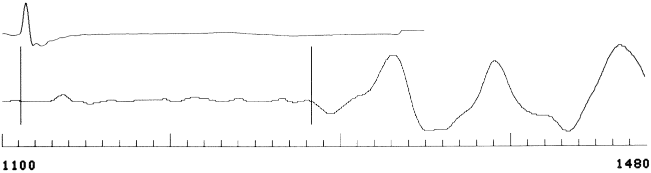
FILE # 1

```
STACK # 25 @  3627.0 M    4 /6 /86  11 :47   TT =  1284.5 MS
          GEOPHONE              .000003  CM/SEC  @  1295.0 MS
          SHOTS STACKED : 111 ,112 ,113
          FILTER : OFF   - 60
```



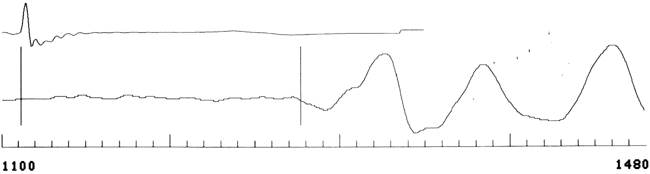
FILE # 1

```
STACK # 24 @  3565.0 M    4 /6 /86  11 :42   TT =  1271.7 MS
          GEOPHONE              .000002  CM/SEC  @  1282.0 MS
          SHOTS STACKED : 108 ,109 ,110
          FILTER : OFF   - 60
```



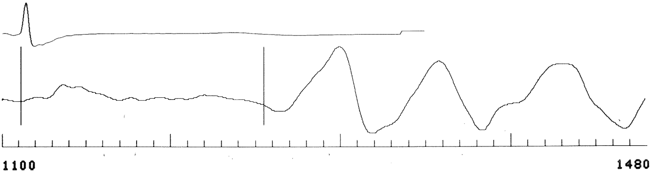
```
                         FILE # 1

STACK # 23 @  3542.0 M    4 /6 /86  11 :37   TT =  1265.5 MS
        GEOPHONE          .000002  CM/SEC  @  1276.0 MS
        SHOTS STACKED : 105 ,106 ,107
        FILTER : OFF  - 60
```



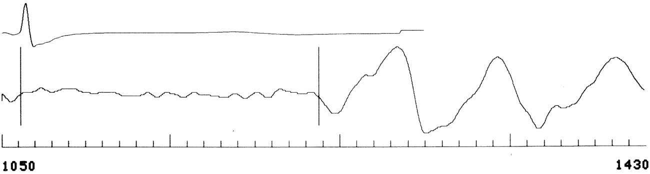
```
                         FILE # 1

STACK # 22 @  3410.0 M    4 /6 /86  11 :29   TT =  1243.5 MS
        GEOPHONE          .000009  CM/SEC  @  1253.9 MS
        SHOTS STACKED : 101 ,102 ,103
        FILTER : OFF  - 60
```



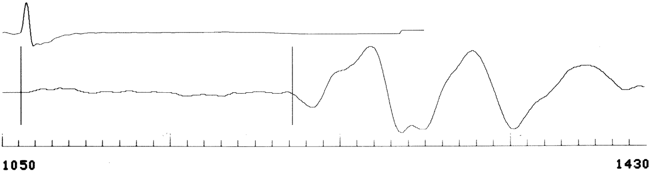
```
                         FILE # 1

STACK # 21 @  3327.0 M    4 /6 /86  11 :21   TT =  1226.2 MS
        GEOPHONE          .000005  CM/SEC  @  1236.5 MS
        SHOTS STACKED : 97 ,98 ,99
        FILTER : OFF  - 60
```



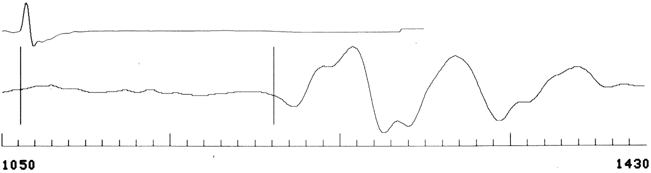
```
                         FILE # 1

STACK # 20 @  3250.0 M    4 /6 /86  11 :15   TT =  1210.6 MS
        GEOPHONE          .000007  CM/SEC  @  1220.9 MS
        SHOTS STACKED : 92 ,93 ,94 ,95 ,96
        FILTER : OFF  - 60
```



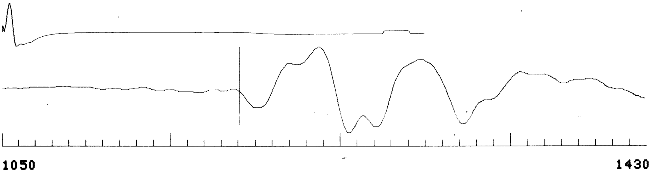
```
                             FILE # 1

STACK # 19 @  3200.0 M    4 /6 /86  11 :7    TT =  1199.6 MS
       GEOPHONE           .000007  CM/SEC  @  1209.9 MS
       SHOTS STACKED : 87 ,88 ,89 ,90 ,91
       FILTER : OFF   - 60
```



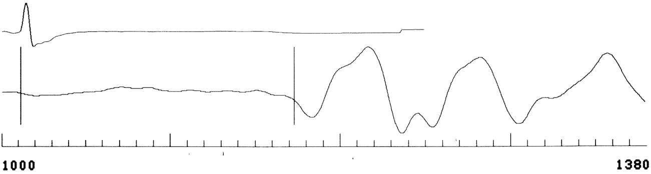
```
                             FILE # 1

STACK # 18 @  3150.0 M    4 /6 /86  11 :2    TT =  1190.0 MS
       GEOPHONE           .000008  CM/SEC  @  1190.0 MS
       SHOTS STACKED : 82 ,83 ,84 ,85 ,86
       FILTER : OFF   - 60
```



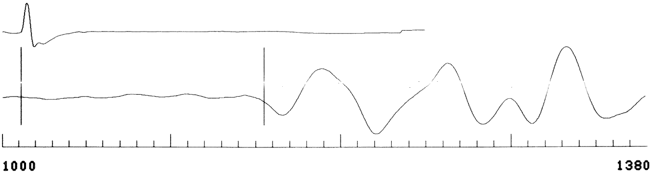
```
                             FILE # 1

STACK # 17 @  3024.0 M    4 /6 /86  10 :55    TT =  1161.7 MS
       GEOPHONE           .000011  CM/SEC  @  1172.0 MS
       SHOTS STACKED : 77 ,78 ,79 ,80 ,81
       FILTER : OFF   - 60
```



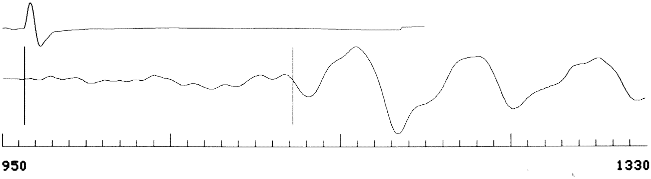
```
                             FILE # 1

STACK # 16 @  2946.0 M    4 /6 /86  10 :45    TT =  1143.7 MS
       GEOPHONE           .000014  CM/SEC  @  1154.0 MS
       SHOTS STACKED : 68
                       69 ,70 ,72 ,73 ,74 ,75 ,76
       FILTER : OFF   - 60
```



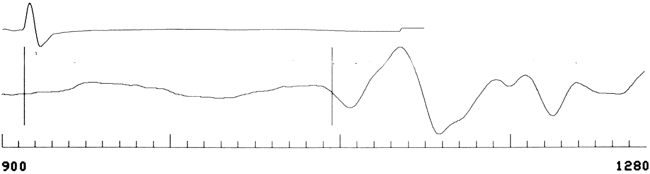
```
                    FILE # 1

STACK # 15 @  2840.0 M    4 /6 /86  10 :21   TT =  1108.6 MS
       GEOPHONE           .000013  CM/SEC  @  1121.0 MS
       SHOTS STACKED : 47 ;49 ;51 ;53 ;54
       FILTER : OFF   - 60
```



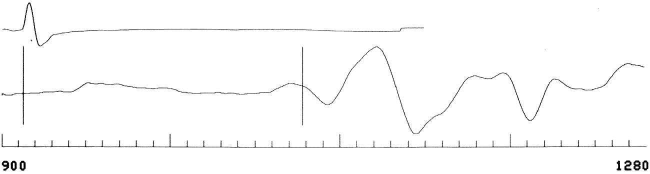
```
                    FILE # 1

STACK # 14 @  2742.0 M    4 /6 /86  10 :8    TT =  1082.1 MS
       GEOPHONE           .000012  CM/SEC  @  1094.3 MS
       SHOTS STACKED : 43 ;44 ;45
       FILTER : OFF   - 60
```



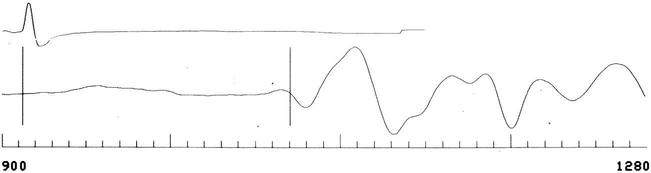
```
                    FILE # 1

STACK # 13 @  2692.0 M    4 /6 /86  10 :1    TT =  1065.2 MS
       GEOPHONE           .000014  CM/SEC  @  1077.0 MS
       SHOTS STACKED : 40 ;41 ;42
       FILTER : OFF   - 60
```



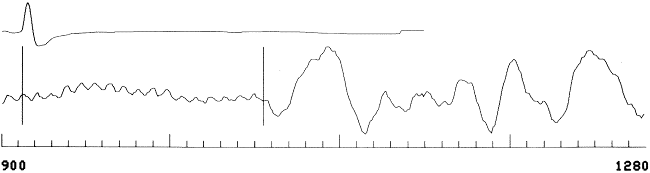
```
                    FILE # 1

STACK # 12 @  2655.0 M    4 /6 /86   9 :53   TT =  1058.1 MS
       GEOPHONE           .000021  CM/SEC  @  1069.4 MS
       SHOTS STACKED : 37 ;38 ;39
       FILTER : OFF   - 60
```



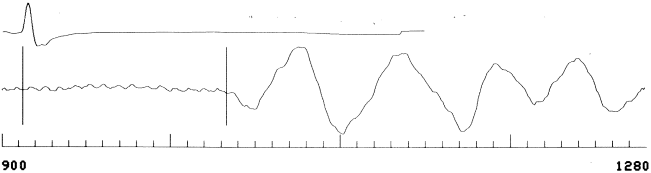
```
                              FILE # 1

STACK # 11 @  2580.0 M     4 /6 /86  9 :47    TT =  1042.8 MS
        GEOPHONE            .000021  CM/SEC   @  1054.0 MS
        SHOTS STACKED : 34 ,35 ,36
        FILTER : OFF   - OFF
```



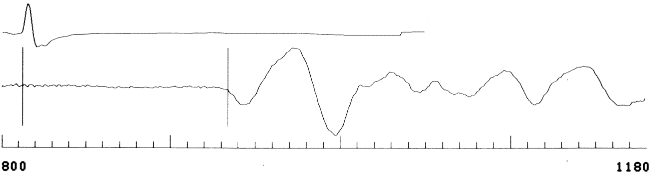
```
                              FILE # 1

STACK # 10 @  2520.0 M     4 /6 /86  9 :41    TT =  1020.8 MS
        GEOPHONE            .000022  CM/SEC   @  1032.0 MS
        SHOTS STACKED : 31 ,32 ,33
        FILTER : OFF   - OFF
```



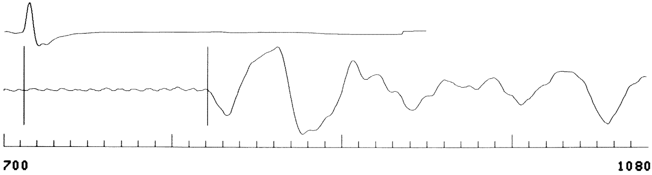
```
                              FILE # 1

STACK # 9 @  2270.0 M     4 /6 /86  9 :33   TT =   921.6 MS
        GEOPHONE           .000035  CM/SEC   @   932.9 MS
        SHOTS STACKED : 28 ,29 ,30
        FILTER : OFF   - OFF
```



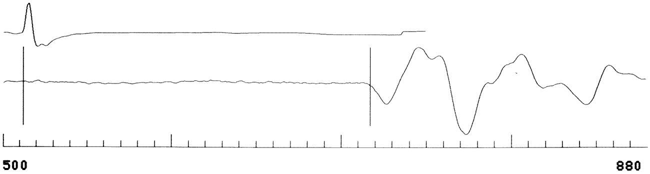
```
                              FILE # 1

STACK # 8 @  1995.0 M     4 /6 /86  9 :26   TT =   809.0 MS
        GEOPHONE           .000057  CM/SEC   @   820.0 MS
        SHOTS STACKED : 25 ,26 ,27
        FILTER : OFF   - OFF
```



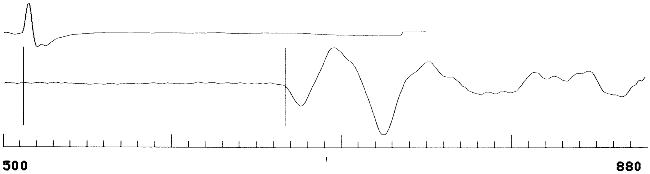
FILE # 1

STACK # 7 @ 1715.0 M 4 /6 /86 9 :20 TT = 705.0 MS
GEOPHONE .000096 CM/SEC @ 716.1 MS
SHOTS STACKED : 22 ,23 ,24
FILTER : OFF - OFF



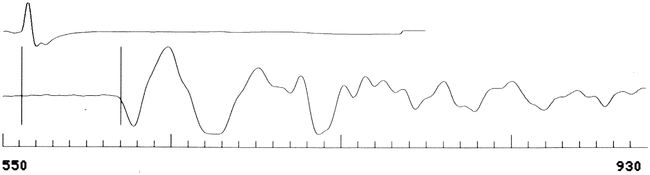
FILE # 1

STACK # 6 @ 1578.0 M 4 /6 /86 9 :13 TT = 654.9 MS
GEOPHONE .000123 CM/SEC @ 665.9 MS
SHOTS STACKED : 19 ,20 ,21
FILTER : OFF - OFF



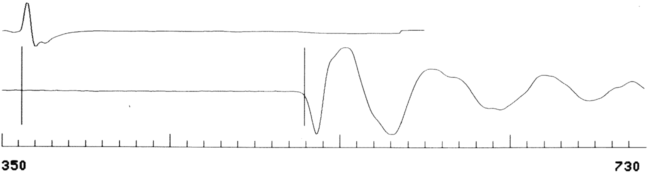
FILE # 1

STACK # 5 @ 1445.0 M 4 /6 /86 9 :7 TT = 608.7 MS
GEOPHONE .000186 CM/SEC @ 619.0 MS
SHOTS STACKED : 14 ,15 ,16 ,17 ,18
FILTER : OFF - OFF



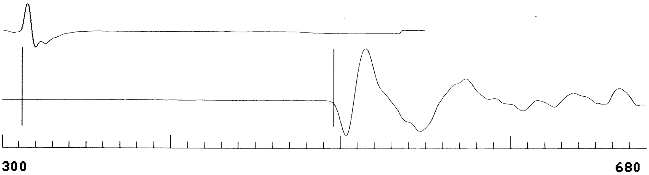
FILE # 1

STACK # 4 @ 1190.0 M 4 /6 /86 8 :58 TT = 517.1 MS
GEOPHONE .000503 CM/SEC @ 528.0 MS
SHOTS STACKED : 10 ,11 ,12
FILTER : OFF - OFF



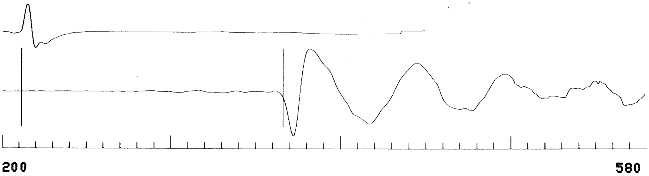
```
                              FILE # 1

            STACK # 3 @  1038.0 M    4 /6 /86  8 :51   TT =   484.1 MS
                  GEOPHONE          .000830  CM/SEC  @   495.0 MS
                  SHOTS STACKED : 7 ,8 ,9
                  FILTER : OFF   - OFF
```



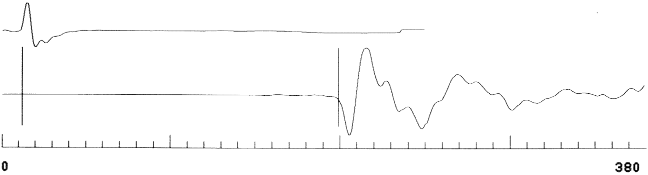
```
                              FILE # 1

            STACK # 2 @   710.0 M    4 /6 /86  8 :44   TT =   354.7 MS
                  GEOPHONE          .001575  CM/SEC  @   365.0 MS
                  SHOTS STACKED : 4 ,5 ,6
                  FILTER : OFF   - OFF
```



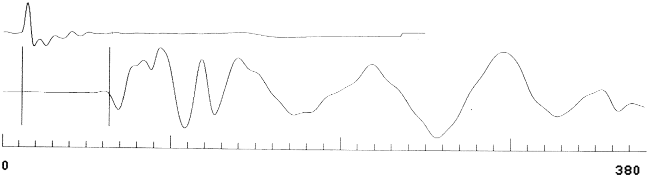
```
                              FILE # 1

            STACK # 1 @   350.0 M    4 /6 /86  8 :35   TT =   187.1 MS
                  GEOPHONE          .006000  CM/SEC  @   198.0 MS
                  SHOTS STACKED : 1 ,2 ,3
                  FILTER : OFF   - OFF
```



```
                              FILE # 1

            STACK # 45 @    84.0 M    4 /6 /86  17 :38   TT =    51.9 MS
                  GEOPHONE          .005569  CM/SEC  @   62.4 MS
                  SHOTS STACKED : 273 ,274 ,275 ,276 ,277
                  FILTER : OFF   - 60
```



FILE # 1

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 06-APR-86 05:00
PROGRAM FILE: WSS (VERSION 28.4 85/11/11)

WSTA CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED		
	SMALL	LARGE	SMALL	LARGE	UNITS
CALI	7.11	13.2	8.00	12.0	IN

CP 28.4 FILE 0 06-APR-86 05:00

Schlumberger

SETTEFARINE 1 * WSS * RUN 1

CSU Field Log