Schlumberger

RAMACCA 1 * WSS * RUN 1

CSU Field Log

COMPANY: AGIP

WELL: RAMACCA 1

FIELD: RAMACCA

NATION: ITALY
LOCATION:

SEC: TWP: RGE:
LATITUDE: 37 26 53.0 N
LONGITUDE: 02 14 40.0 E

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

ELEVATIONS-
KB: 138.5 M
DF: 138.8 M
GL: 130.0 M

DATE: 31 OCT 84
RUN NO: 2

OTHER SERVICES-
ISF-SLS-GR
HDT

PROGRAM
TAPE NO:
26.2
SERVICE
ORDER NO:

DEPTH-DRILLER: 3099.0 M
DEPTH-LOGGER: 3095.0 M
BTM. LOG INTERVAL: 3090.0 M
TOP LOG INTERVAL: 138.8 M

CASING-DRILLER:	245 M	1264 M
CASING-LOGGER:	247 M	1260 M
CASING:	20"	13 3/8"
WEIGHT:	106.5 LB/F	68.00 LB/F
BIT SIZE:	17 1/2"	12 1/4"
DEPTH:	1268 M	3099 M

TYPE FLUID IN HOLE: L.S.
DENSITY: 1160 K/M3
VISCOSITY: 55.0 S
PH: 9.0
FLUID LOSS: 4.8 C3
SOURCE OF SAMPLE: FLOWLINE
RM: .580 OHMM AT 23.0 DEGC
RMF: .498 OHMM AT 23.0 DEGC
RMC: .622 OHMM AT 23.0 DEGC
SOURCE RMF/RMC: PRESS /PRESS
RM AT BHT: .223 OHMM AT 94.0 DEGC
RMF AT BHT: .192 OHMM AT 94.0 DEGC
RMC AT BHT: .240 OHMM AT 94.0 DEGC

TIME CIRC. STOPPED: 10:00 30/10
TIME LOGGER ON BTM.: 13:30 31/10

MAX. REC. TEMP: 94.0 DEGC

LOGGING UNIT NO: 2719
LOGGING UNIT LOC: SYR
RECORDED BY: T. HASEEB
WITNESSED BY: MR ORIACCHIO/MR PERRICONE

REMARKS:

- GUN AZIMUTH = 260 DEG .
- GUN OFFSET = 45M .
- GUN DEPTH = 5M BELOW GROUND LEVEL .
- HYDROPHONE WAS PLACED 1M ABOVE GUN

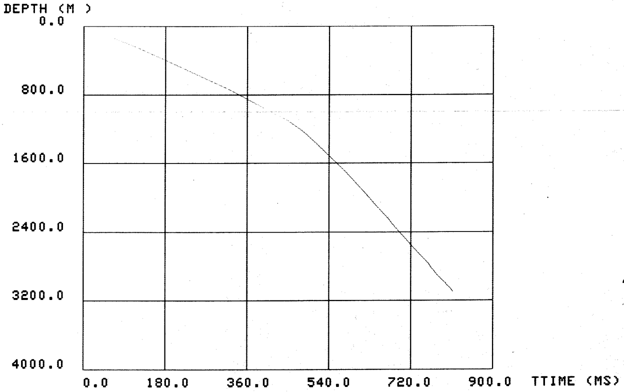
EQUIPMENT NUMBERS-

WST (SYR)	WSM 877	WDM 767

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 0 04-NOV-84 10:42
DATA ACQUIRED 00- -00 00:00

WST DEPTH VS TTIME CURVE



WST DEPTH VS TTIME SUMMARY

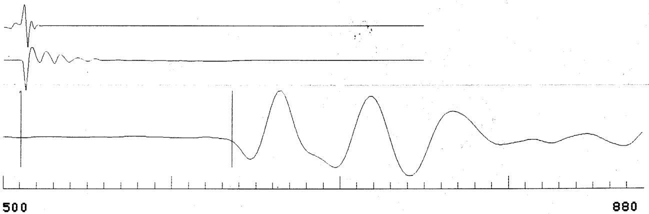
****

STACK NBR	DEPTH (M)	TTIME (MS)

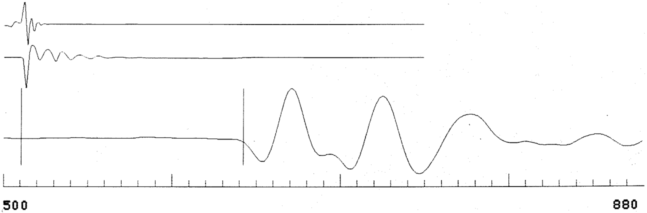
```
  1        138.8         68.1
  2        250.0        120.0
  3        410.0        188.3
  4        730.0        319.1
  5       1100.0        451.5
  6       1215.0        481.7
  7       1265.0        492.8
  8       1387.0        516.7
  9       1408.0        520.5
 10       1433.0        526.0
 21       1715.0        580.4
 41       1970.0        625.0
 40       2010.0        631.5
 39       2050.0        638.1
 38       2090.0        644.7
 37       2130.0        651.8
 36       2170.0        658.7
 35       2210.0        666.0
 34       2250.0        672.4
 33       2290.0        678.3
 32       2330.0        685.0
 31       2370.0        691.5
 30       2410.0        698.1
 29       2450.0        705.0
 28       2490.0        711.8
 27       2530.0        719.0
 26       2570.0        725.5
 25       2610.0        732.4
 24       2650.0        738.9
 23       2690.0        746.3
 20       2730.0        754.1
 19       2770.0        760.3
 18       2810.0        765.6
 17       2850.0        772.0
 16       2890.0        777.9
 15       2930.0        785.0
 14       2970.0        792.8
 22       2995.0        797.8
 13       3010.0        799.3
 12       3050.0        807.4
 11       3090.0        813.3

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

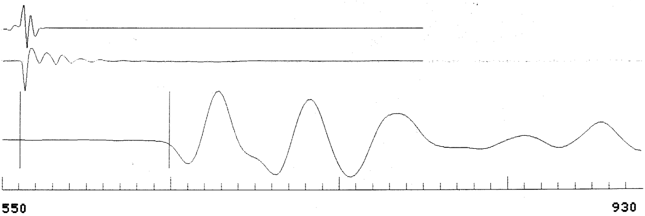
```
STACK # 41 @  1970.0 M    10 /31 /84  19 :16   TT =   625.0 MS
        GEOPHONE           .000035  CM/SEC  @   634.7 MS
        SHOTS STACKED : 225 ,226 ,227
        FILTER : OFF   - OFF
```



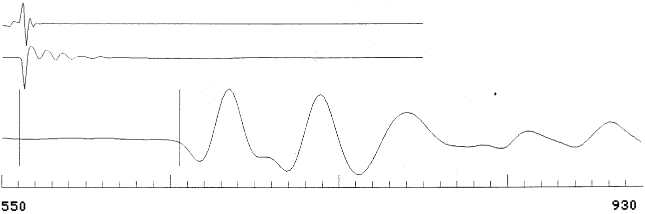
```
STACK # 40 @  2010.0 M    10 /31 /84  19 :11   TT =   631.5 MS
        GEOPHONE           .000033  CM/SEC  @   641.1 MS
        SHOTS STACKED : 222 ,223 ,224
        FILTER : OFF   - OFF
```



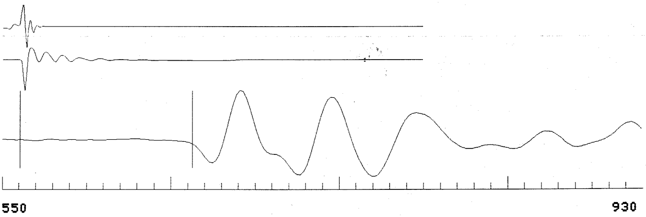
```
STACK # 39 @  2050.0 M    10 /31 /84  19 :5   TT =   638.1 MS
                   GEOPHONE          .000031  CM/SEC  @   647.8 MS
                   SHOTS STACKED : 219 ,220 ,221
                   FILTER : OFF  - OFF
```



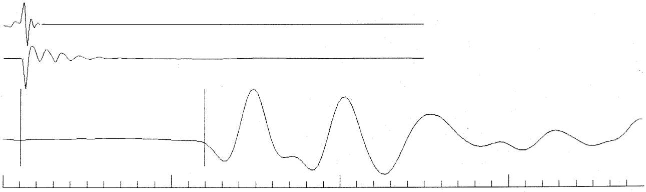
```
STACK # 38 @  2090.0 M    10 /31 /84  19 :1   TT =   644.7 MS
                   GEOPHONE          .000033  CM/SEC  @   654.3 MS
                   SHOTS STACKED : 216 ,217 ,218
                   FILTER : OFF  - OFF
```



```
STACK # 37 @  2130.0 M    10 /31 /84  18 :56   TT =   651.8 MS
                   GEOPHONE          .000030  CM/SEC  @   661.5 MS
                   SHOTS STACKED : 211 ,212 ,213 ,214 ,215
                   FILTER : OFF  - OFF
```

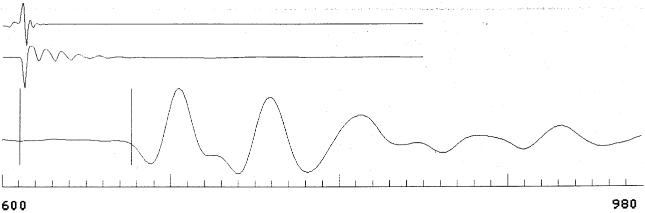


```
STACK # 36 @  2170.0 M    10 /31 /84  18 :51   TT =   658.7 MS
                   GEOPHONE          .000030  CM/SEC  @   668.4 MS
                   SHOTS STACKED : 205 ,206 ,207 ,208 ,209
                   FILTER : OFF  - OFF
```

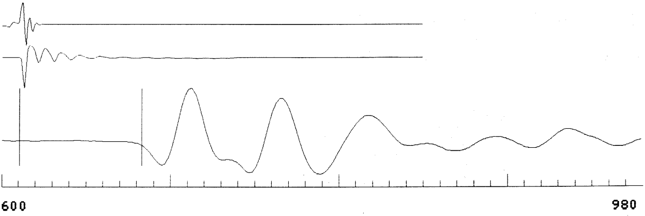


550 930

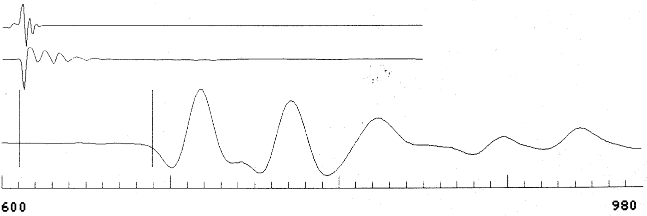
```
STACK # 35 @  2210.0 M    10 /31 /84  18 :45   TT =   666.0 MS
     GEOPHONE                .000028  CM/SEC  @   675.6 MS
     SHOTS STACKED : 202 ,203 ,204
     FILTER : OFF   - OFF
```



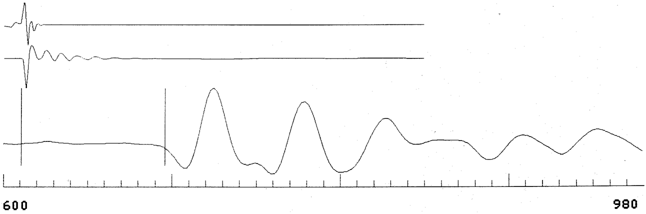
```
STACK # 34 @  2250.0 M    10 /31 /84  18 :40   TT =   672.4 MS
     GEOPHONE                .000027  CM/SEC  @   682.0 MS
     SHOTS STACKED : 196 ,197 ,198 ,200 ,201
     FILTER : OFF   - OFF
```



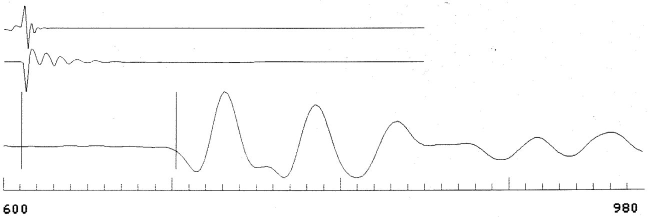
```
STACK # 33 @  2290.0 M    10 /31 /84  18 :35   TT =   678.3 MS
     GEOPHONE                .000026  CM/SEC  @   687.9 MS
     SHOTS STACKED : 193 ,194 ,195
     FILTER : OFF   - OFF
```



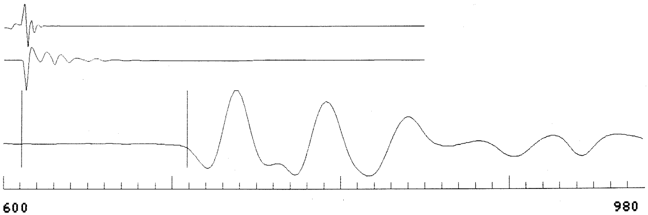
```
STACK # 32 @  2330.0 M    10 /31 /84  18 :31   TT =   685.0 MS
     GEOPHONE                .000027  CM/SEC  @   694.7 MS
     SHOTS STACKED : 190 ,191 ,192
     FILTER : OFF   - OFF
```



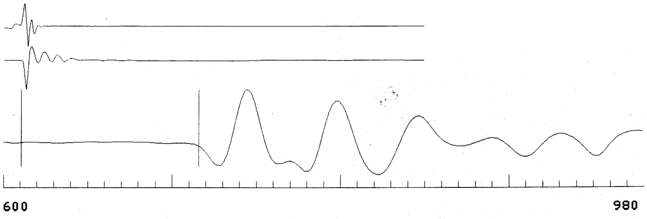
STACK # 31 @ 2370.0 M 10 /31 /84 18 :26 TT = 691.5 MS
GEOPHONE .000028 CM/SEC @ 701.2 MS
SHOTS STACKED : 187 ,188 ,189
FILTER : OFF - OFF



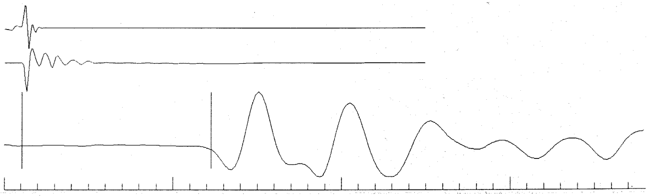
STACK # 30 @ 2410.0 M 10 /31 /84 18 :22 TT = 698.1 MS
GEOPHONE .000027 CM/SEC @ 707.8 MS
SHOTS STACKED : 184 ,185 ,186
FILTER : OFF - OFF



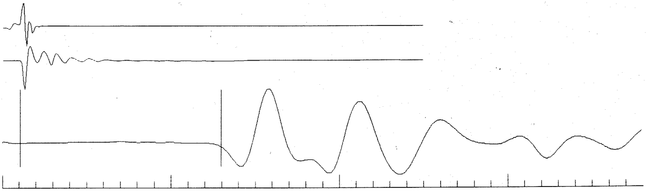
STACK # 29 @ 2450.0 M 10 /31 /84 18 :14 TT = 705.0 MS
GEOPHONE .000027 CM/SEC @ 714.6 MS
SHOTS STACKED : 178 ,179 ,180
FILTER : OFF - OFF



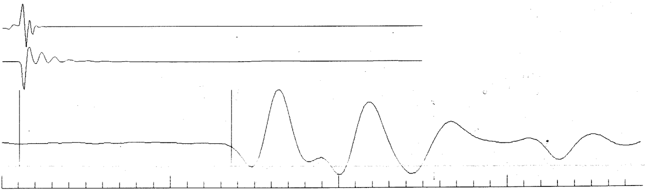
STACK # 28 @ 2490.0 M 10 /31 /84 18 :9 TT = 711.8 MS
GEOPHONE .000027 CM/SEC @ 721.4 MS
SHOTS STACKED : 175 ,176 ,177
FILTER : OFF - OFF



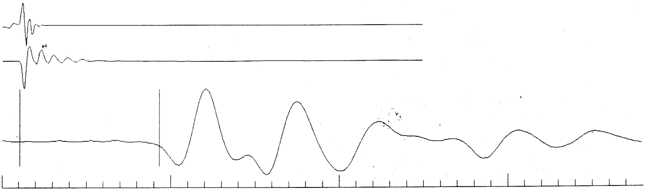
STACK # 27 @ 2530.0 M 10 /31 /84 18 :2 TT = 719.0 MS
GEOPHONE .000027 CM/SEC @ 728.6 MS
SHOTS STACKED : 172 ,173 ,174
FILTER : OFF - OFF



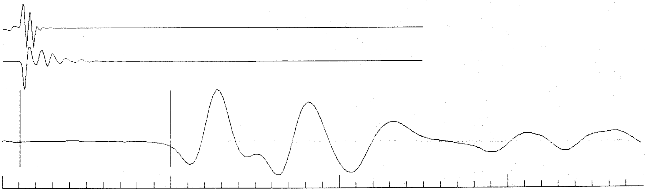
STACK # 26 @ 2570.0 M 10 /31 /84 17 :56 TT = 725.5 MS
GEOPHONE .000027 CM/SEC @ 735.1 MS
SHOTS STACKED : 166 ,167 ,168 ,169 ,170
FILTER : OFF - OFF



STACK # 25 @ 2610.0 M 10 /31 /84 17 :48 TT = 732.4 MS
GEOPHONE .000025 CM/SEC @ 741.9 MS
SHOTS STACKED : 163 ,164 ,165
FILTER : OFF - OFF

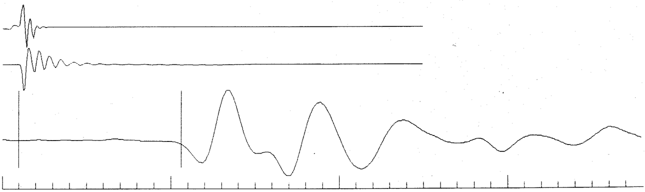


STACK # 24 @ 2650.0 M 10 /31 /84 17 :43 TT = 738.9 MS
GEOPHONE .000023 CM/SEC @ 748.5 MS
SHOTS STACKED : 160 ,161 ,162
FILTER : OFF - OFF



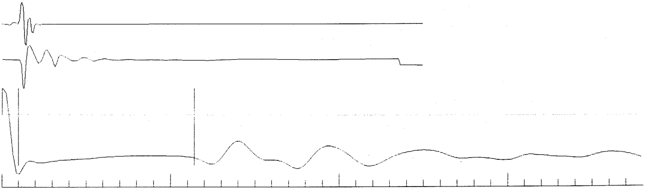
```
650                                                        1030

         STACK # 23 @  2690.0 M    10 /31 /84  17 :37    TT =   746.3 MS
                GEOPHONE             .000022  CM/SEC  @   755.0 MS
                SHOTS STACKED : 156 ,157 ,158
                FILTER : OFF  - OFF
```



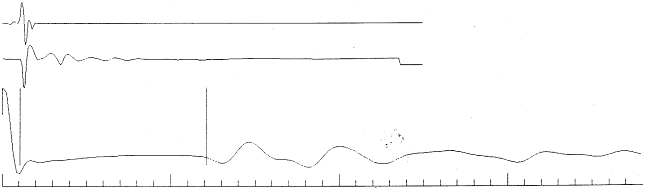
```
650                                                        1030

         STACK # 20 @  2730.0 M    10 /31 /84  16 :10    TT =   754.1 MS
                GEOPHONE             .000020  CM/SEC  @   762.8 MS
                SHOTS STACKED : 124 ,125 ,126 ,127 ,128
                FILTER : OFF  - OFF
```



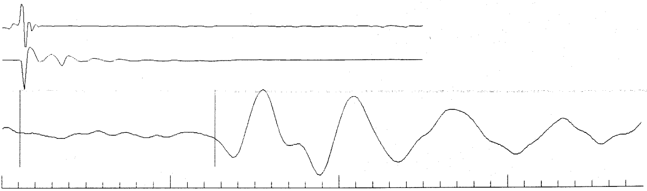
```
650                                                        1030

         STACK # 19 @  2770.0 M    10 /31 /84  16 :1     TT =   760.3 MS
                GEOPHONE             .000018  CM/SEC  @   769.9 MS
                SHOTS STACKED : 115 ,116 ,117 ,118 ,119 ,120 ,121
                FILTER : OFF  - OFF
```



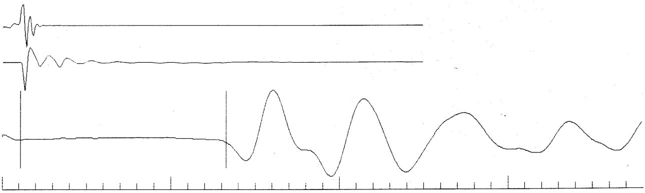
```
650                                                        1030

         STACK # 18 @  2810.0 M    10 /31 /84  15 :49    TT =   765.6 MS
                GEOPHONE             .000018  CM/SEC  @   775.3 MS
                SHOTS STACKED : 106 ,107 ,108 ,109 ,110 ,111 ,112
                FILTER : OFF  - OFF
```



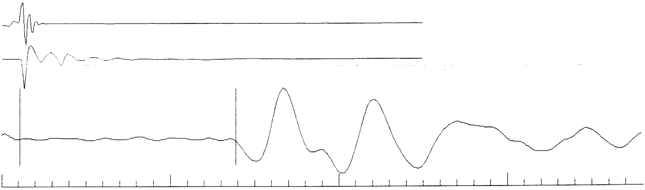
650 1030

```
STACK # 17 @  2850.0 M     10 /31 /84  15 :39    TT =   772.0 MS
               GEOPHONE            .000018  CM/SEC  @   781.7 MS
               SHOTS STACKED : 99 ,100 ,101 ,102 ,103
               FILTER : OFF  - OFF
```



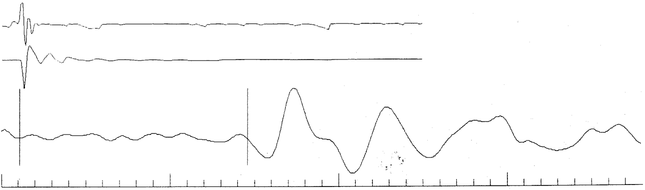
650 1030

```
STACK # 16 @  2890.0 M     10 /31 /84  15 :29    TT =   777.9 MS
               GEOPHONE            .000018  CM/SEC  @   787.6 MS
               SHOTS STACKED : 95 ,96 ,97
               FILTER : OFF  - OFF
```



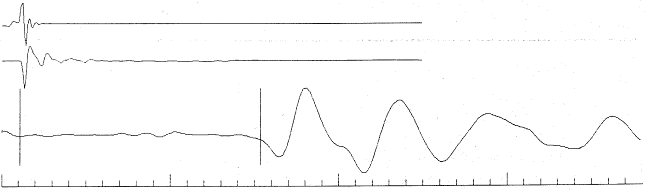
650 1030

```
STACK # 15 @  2930.0 M     10 /31 /84  15 :7    TT =   785.0 MS
               GEOPHONE            .000015  CM/SEC  @   794.7 MS
               SHOTS STACKED : 75 ,76 ,77 ,78 ,79 ,80 ,82
               FILTER : OFF  - OFF
```



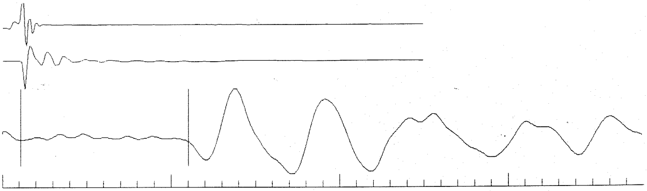
650 1030

```
STACK # 14 @  2970.0 M     10 /31 /84  14 :55    TT =   792.8 MS
               GEOPHONE            .000018  CM/SEC  @   802.5 MS
               SHOTS STACKED : 69 ,70 ,71 ,72 ,73
               FILTER : OFF  - OFF
```

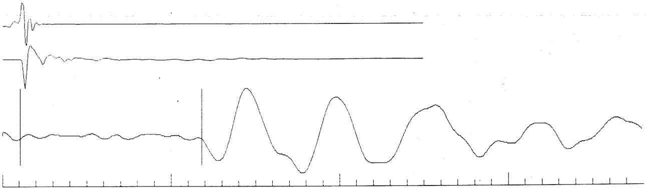


650 1030

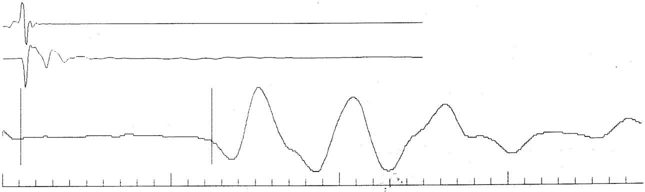
```
STACK # 13 @  3010.0 M    10 /31 /84  14 :49   TT =   799.3 MS
             GEOPHONE          .000017  CM/SEC  @   809.0 MS
             SHOTS STACKED : 66 ,67 ,68
             FILTER : OFF  - OFF
```



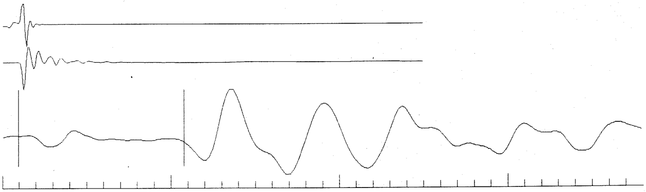
```
STACK # 12 @  3050.0 M    10 /31 /84  14 :33   TT =   807.4 MS
             GEOPHONE          .000015  CM/SEC  @   817.0 MS
             SHOTS STACKED : 53 ,54 ,55 ,56 ,57
             FILTER : OFF  - OFF
```



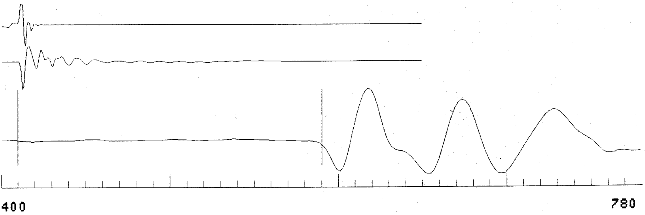
```
STACK # 11 @  3090.0 M    10 /31 /84  14 :24   TT =   813.3 MS
             GEOPHONE          .000007  CM/SEC  @   823.0 MS
             SHOTS STACKED : 48 ,49 ,50 ,51 ,52
             FILTER : OFF  - OFF
```



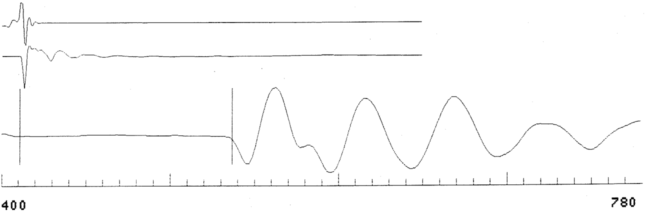
```
STACK # 22 @  2995.0 M    10 /31 /84  17 :25   TT =   797.8 MS
             GEOPHONE          .000021  CM/SEC  @   806.4 MS
             SHOTS STACKED : 152 ,153 ,154
             FILTER : OFF  - OFF
```



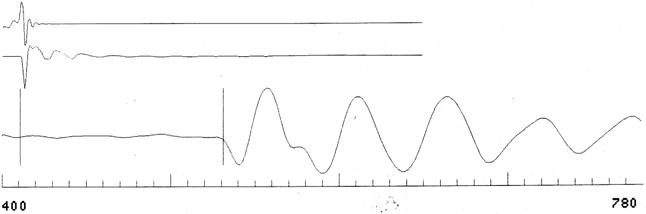
```
STACK # 21 @  1715.0 M    10 /31 /84  17 :3    TT =    580.4 MS
           GEOPHONE          .000042  CM/SEC  @   589.1 MS
           SHOTS STACKED : 149 ,150 ,151
           FILTER : OFF   - OFF
```



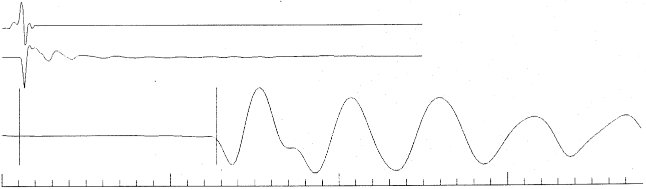
```
STACK # 10 @  1433.0 M    10 /31 /84  13 :25    TT =    526.0 MS
           GEOPHONE          .000029  CM/SEC  @   535.7 MS
           SHOTS STACKED : 31 ,32 ,33
           FILTER : OFF   - OFF
```



```
STACK # 9 @  1408.0 M    10 /31 /84  13 :19    TT =    520.5 MS
           GEOPHONE          .000028  CM/SEC  @   530.2 MS
           SHOTS STACKED : 28 ,29 ,30
           FILTER : OFF   - OFF
```

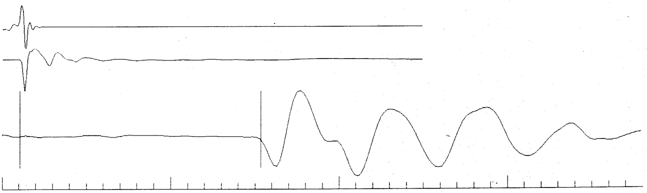


```
STACK # 8 @  1387.0 M    10 /31 /84  13 :12    TT =    516.7 MS
           GEOPHONE          .000061  CM/SEC  @   526.3 MS
           SHOTS STACKED : 23 ,25 ,26
           FILTER : OFF   - OFF
```



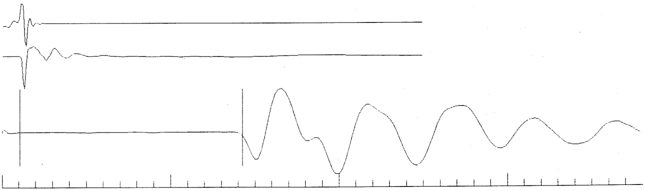
400 780

STACK # 7 @ 1265.0 M 10 /31 /84 13 :5 TT = 492.8 MS
GEOPHONE .000030 CM/SEC @ 502.4 MS
SHOTS STACKED : 20 ,21 ,22
FILTER : OFF - OFF



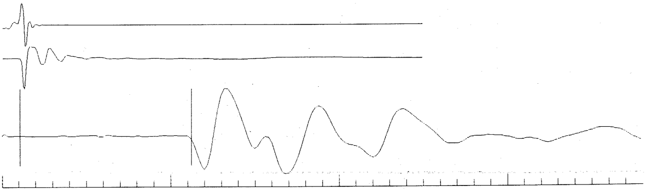
350 730

STACK # 6 @ 1215.0 M 10 /31 /84 12 :59 TT = 481.7 MS
GEOPHONE .000068 CM/SEC @ 491.3 MS
SHOTS STACKED : 17 ,18 ,19
FILTER : OFF - OFF



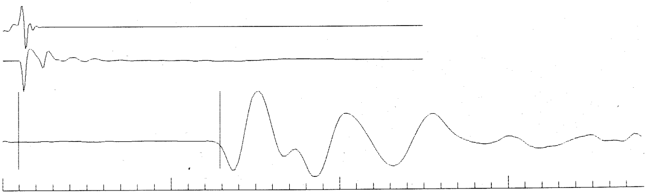
350 730

STACK # 5 @ 1100.0 M 10 /31 /84 12 :53 TT = 451.5 MS
GEOPHONE .000102 CM/SEC @ 461.0 MS
SHOTS STACKED : 13 ,14 ,15
FILTER : OFF - OFF

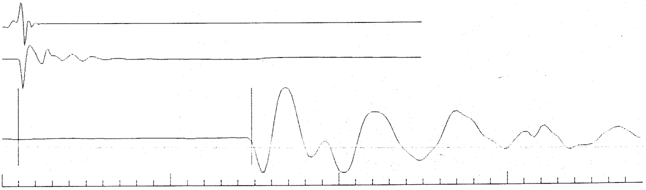


350 730

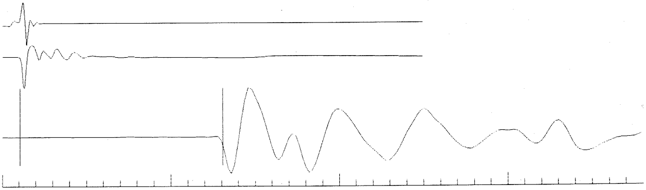
STACK # 4 @ 730.0 M 10 /31 /84 12 :44 TT = 319.1 MS
GEOPHONE .000232 CM/SEC @ 327.7 MS
SHOTS STACKED : 10 ,11 ,12
FILTER : OFF - OFF



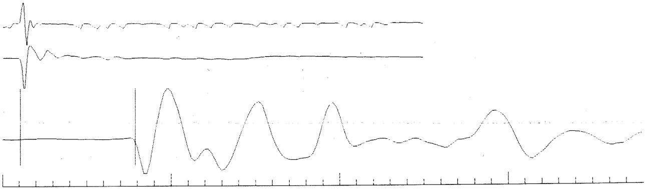
```
200                                                                        580
                    STACK # 3 @   410.0 M     10 /31 /84  12 :36   TT =    188.3 MS
                           GEOPHONE              .000713   CM/SEC   @    196.9 MS
                           SHOTS STACKED : 7 ,8 ,9
                           FILTER : OFF   - OFF
```



```
50                                                                         430
                    STACK # 2 @   250.0 M     10 /31 /84  12 :25   TT =    120.0 MS
                           GEOPHONE              .001911   CM/SEC   @    129.5 MS
                           SHOTS STACKED : 4 ,5 ,6
                           FILTER : OFF   - OFF
```



```
0                                                                          380
                    STACK # 1 @   138.8 M     10 /31 /84  12 :16   TT =     68.1 MS
                           GEOPHONE              .003634   CM/SEC   @     77.6 MS
                           SHOTS STACKED : 1 ,2 ,3
                           FILTER : OFF   - OFF
```



```
0                                                                          380
```

FILE # 2