

COMPANY: ITALREP  
 WELL: VILLABARCO 1  
 FIELD: VILLABARCO  
 PERMIS: VILLABARCO  
 NATION: ITALY  
 LATITUDE: 36 56 12.9 N  
 LONGITUDE: 2 20 10.8 EMM  
 PERMANENT DATUM: MSL  
 ELEV. OF PERM. DATUM: 590.2 M  
 LOG MEASURED FROM: RT  
 590.2 M ABOVE PERM. DATUM  
 DRLG. MEASURED FROM: RT  
 ELEVATIONS-  
 KB: 590.2 M  
 DF: 590.2 M  
 GL: 581.5 M  
 OTHER SERVICES-  
 HDT  
 ISF-SLS-GR-S  
 CBL-VDL-CCL  
 PROGRAM TAPE NO: 21.172  
 DATE: 1 DEC 1982  
 RUN NO: 1

DEPTH-DRILLER: 2498.0 M  
 DEPTH-LOGGER: 2484.0 M  
 BTM LOG INTERVAL: 2484.0 M  
 TOP LOG INTERVAL: 100.0 M  
 CASING-DRILLER: 669 M 2462 M  
 CASING-LOGGER: 670 M 2463 M  
 CASING: 9 5/8 7  
 WEIGHT: 43.50 LB/F  
 BIT SIZE: 8.5 6  
 DEPTH: 2472 M 2498 M

TYPE FLUID IN HOLE: BENTONITIQUE  
 DENSITY: 1.0 LB/G  
 VISCOSITY: 50.0 S  
 PH: 10.5  
 FLUID LOSS: 4.0 C3  
 SOURCE OF SAMPLE: PIT  
 RM: 7.640 OHMM AT 13.2 DC  
 RMF: 1.140 OHMM AT 12.2 DC  
 RMC: 6.140 OHMM AT 12.2 DC  
 SOURCE RMF/RMC: PRESS /PRESS  
 RM AT BHT: 3.114 OHM AT 65.5 DC  
 RMF AT BHT: 0.442 OHM AT 65.5 DC  
 RMC AT BHT: 2.385 OHM AT 65.5 DC  
 TIME CIRC. STOPPED: 9.00HRS 1/12  
 TIME LOGGER ON BTM: 01.00 2/12  
 MAX. REC. TEMP: 65.5 DC  
 LOGGING UNIT NO: 7836  
 LOGGING UNIT LOC: SYR  
 RECORDED BY: CAMPBELL+PENN  
 WITNESSED BY: FERRETTI

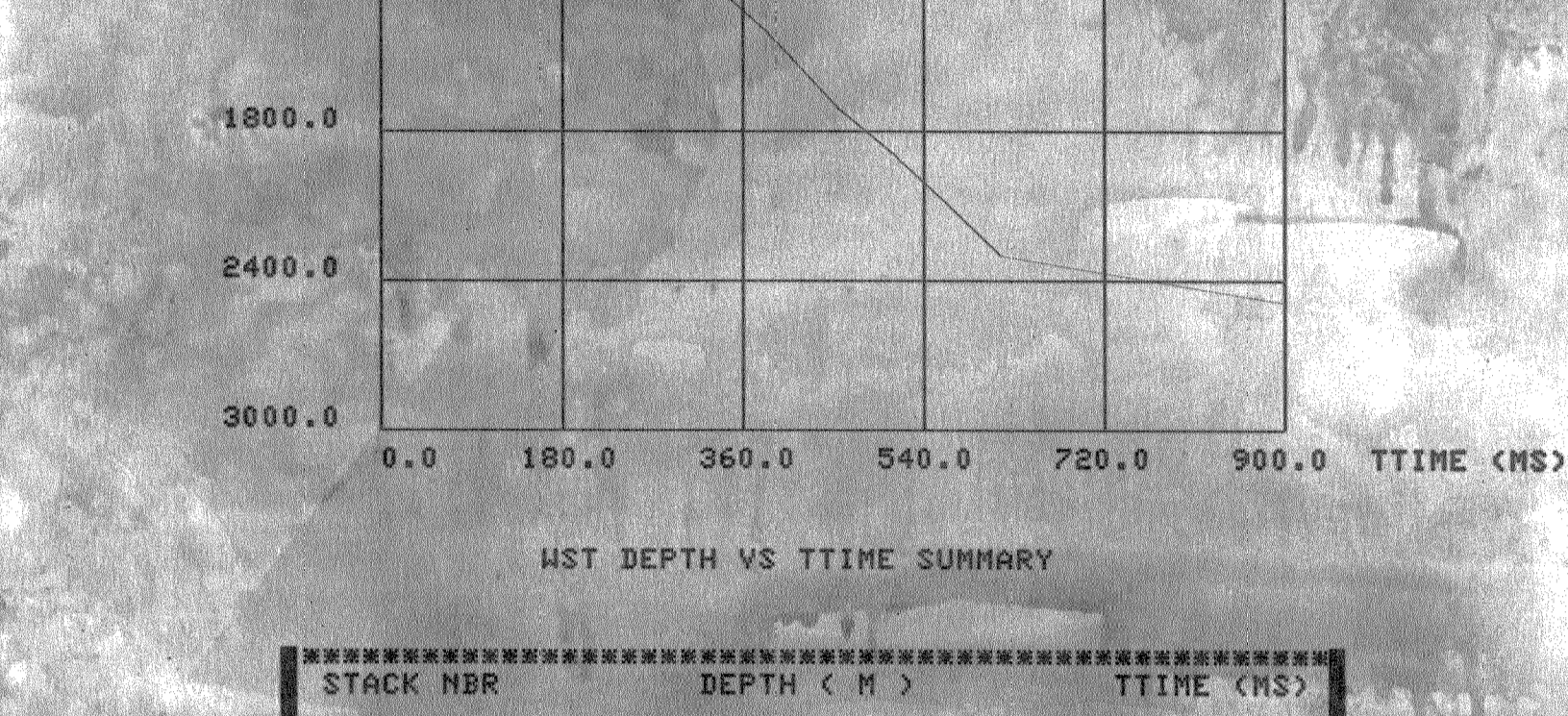
REMARKS:  
 MUD SAMPLES CONTAMINATED WITH OIL

EQUIPMENT NUMBERS-  
 CPU CBC MSM 877 WDM 11 WAC-B  
 200 AIRGUN WSA HSC SLS SB 82  
 SGC 3810

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

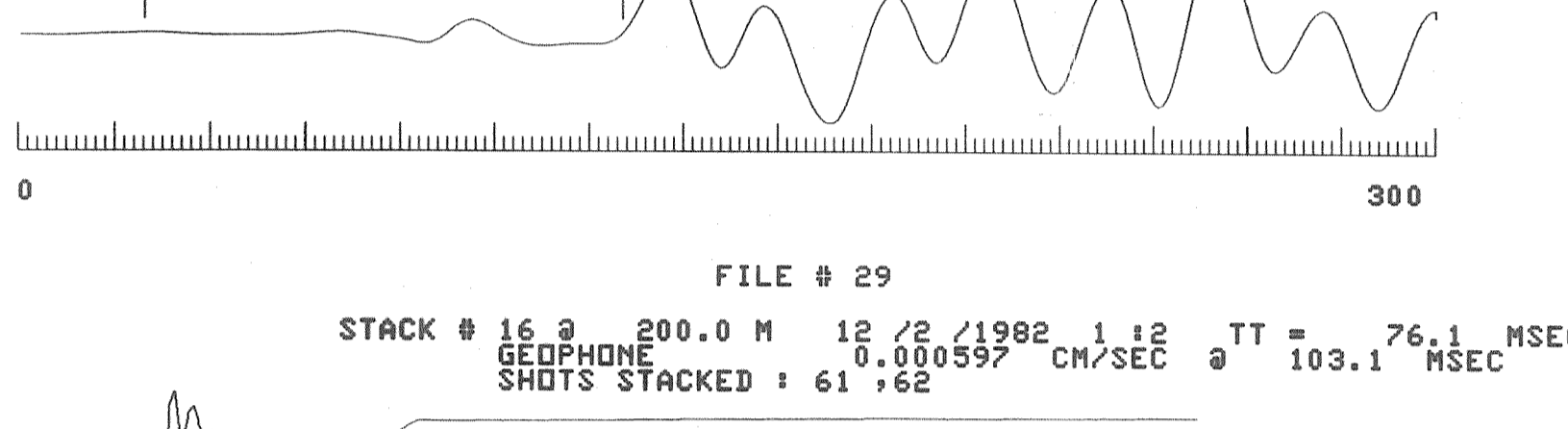
102 WST DEPTH VS TTIME CURVE



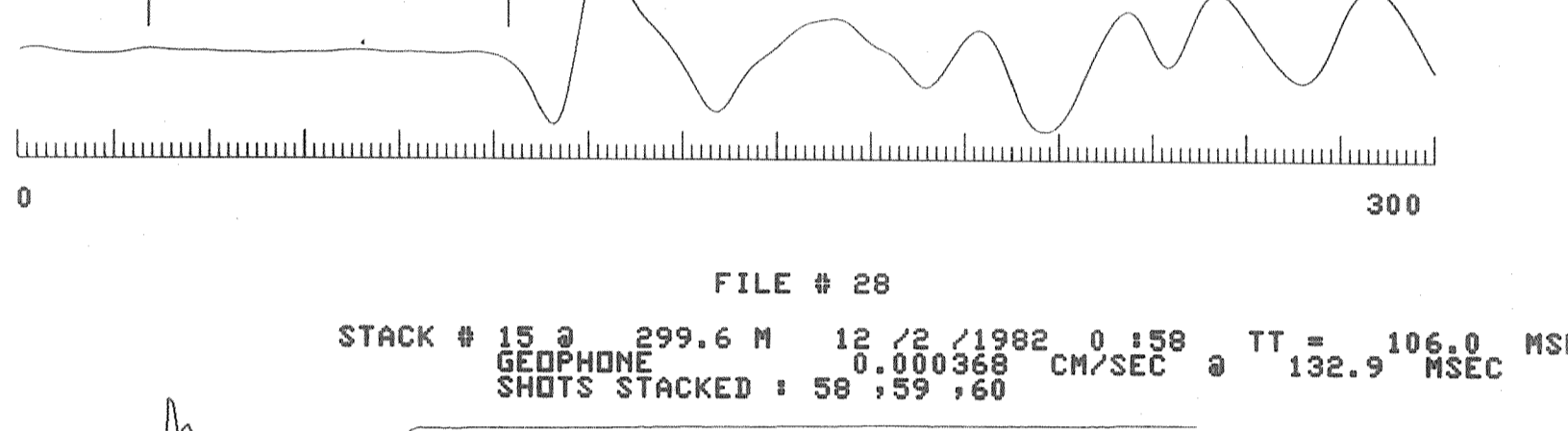
WST DEPTH VS TTIME SUMMARY

STACK NBR	DEPTH ( M )	TTIME (MS)
17	100.0	100.5
16	200.0	76.1
15	299.6	106.0
14	500.0	136.9
13	800.0	163.4
12	1100.1	190.0
11	1400.1	218.7
10	1700.0	251.2
9	1900.0	285.3
8	2100.0	318.7
7	2300.0	373.3
6	2484.0	922.8

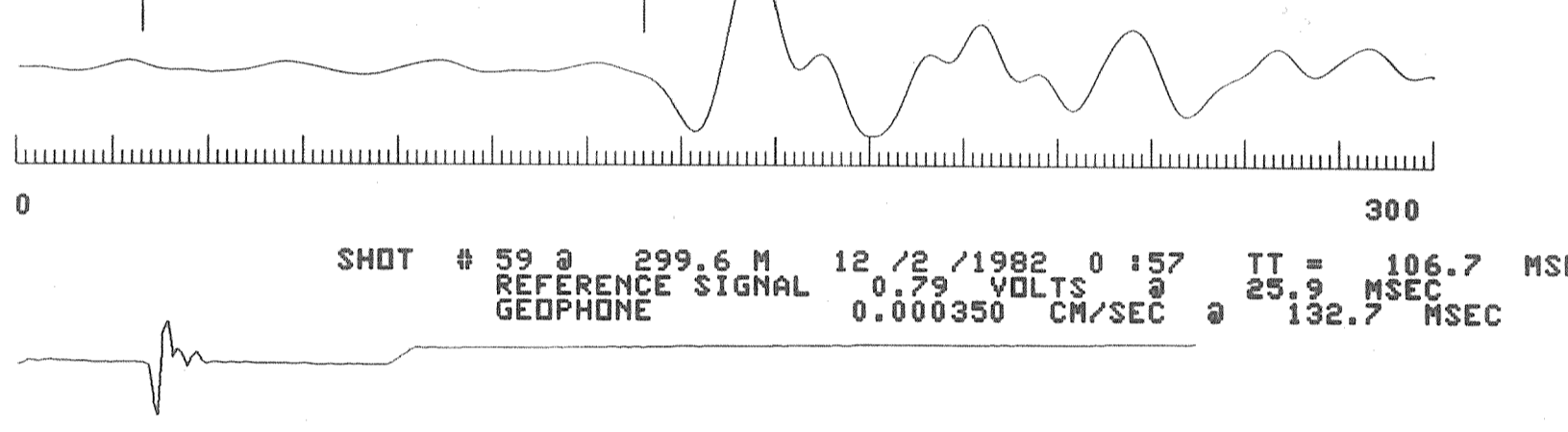
STACK # 17 @ 100.0 M 12 /2 /1982 1 :17 TT = 100.5 MSEC  
 GEOPHONE 0.000530 CM/SEC @ 127.0 MSEC  
 SHOTS STACKED : 64



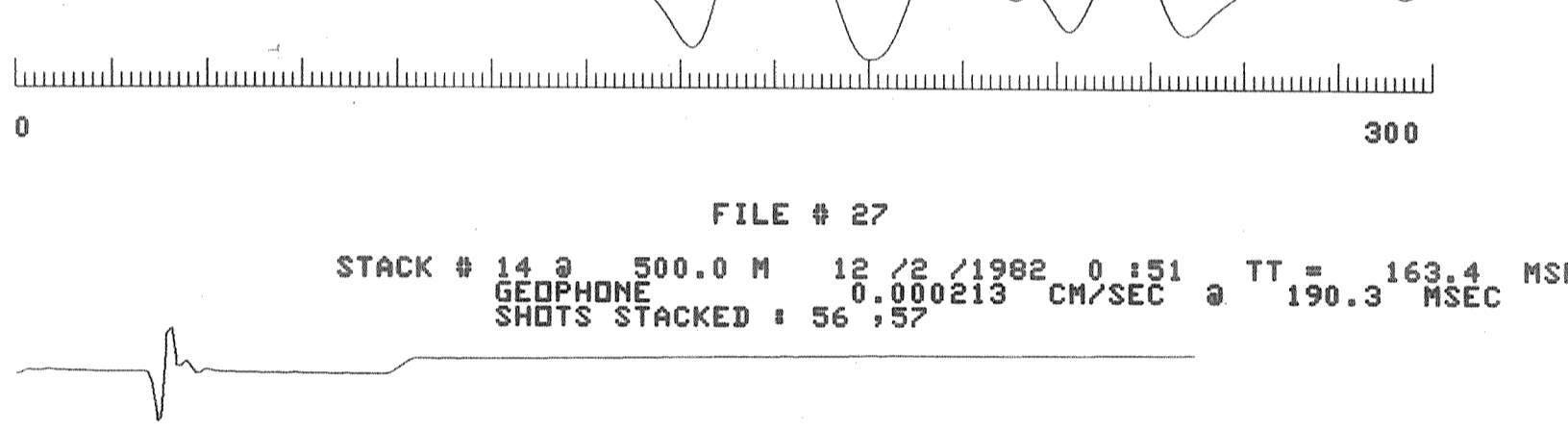
FILE # 29  
 STACK # 16 @ 200.0 M 12 /2 /1982 1 :12 TT = 76.1 MSEC  
 GEOPHONE 0.000597 CM/SEC @ 103.1 MSEC  
 SHOTS STACKED : 61 :62



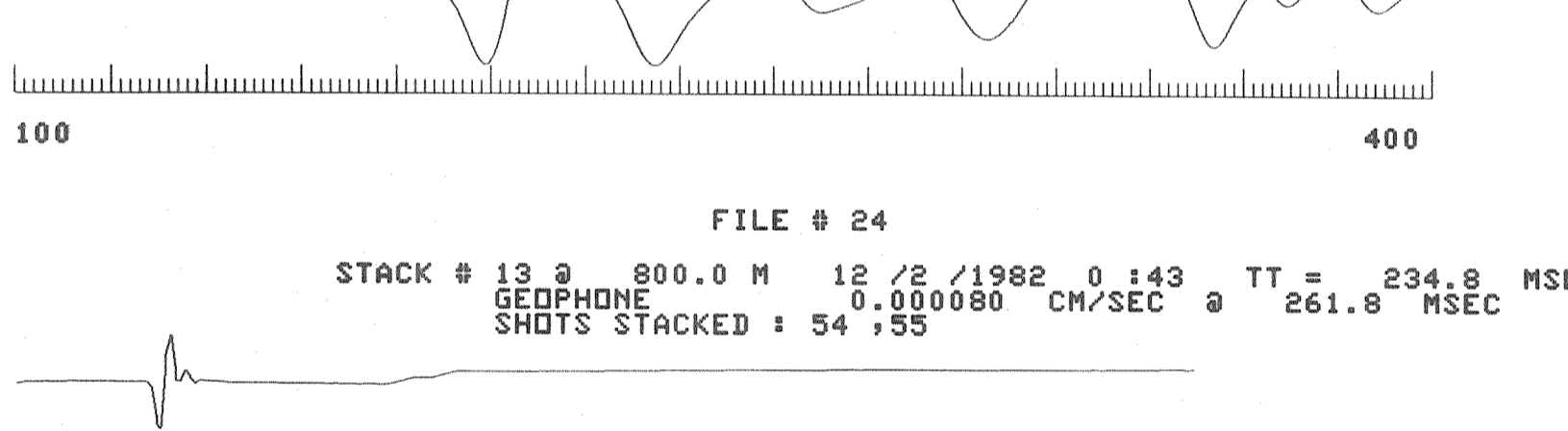
FILE # 28  
 STACK # 15 @ 299.6 M 12 /2 /1982 0 :58 TT = 106.0 MSEC  
 GEOPHONE 0.000368 CM/SEC @ 132.9 MSEC  
 SHOTS STACKED : 58 :59 :60



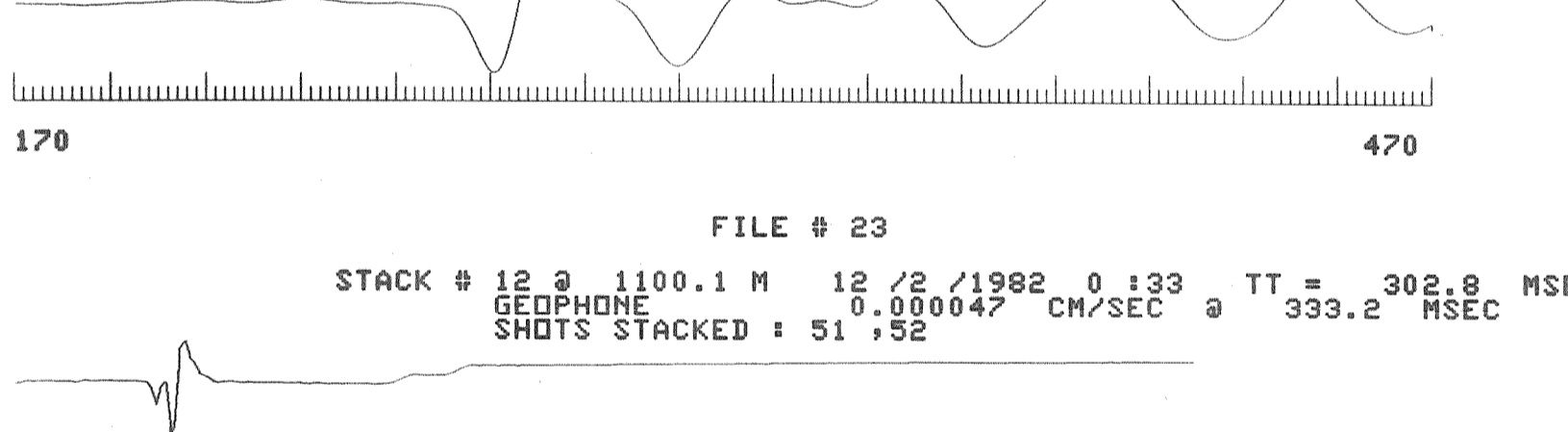
SHOT # 59 @ 299.6 M 12 /2 /1982 0 :57 TT = 106.7 MSEC  
 REFERENCE SIGNAL 0.79 VOLTS @ 25.9 MSEC  
 GEOPHONE 0.000350 CM/SEC @ 132.7 MSEC



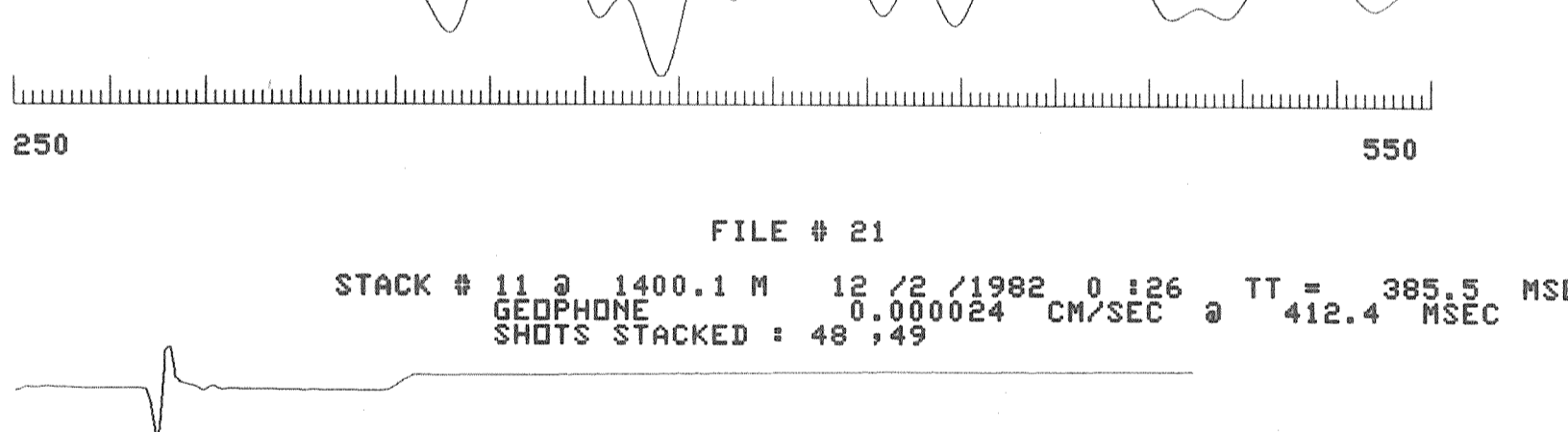
FILE # 27  
 STACK # 14 @ 500.0 M 12 /2 /1982 0 :51 TT = 163.4 MSEC  
 GEOPHONE 0.000213 CM/SEC @ 190.3 MSEC  
 SHOTS STACKED : 56 :57



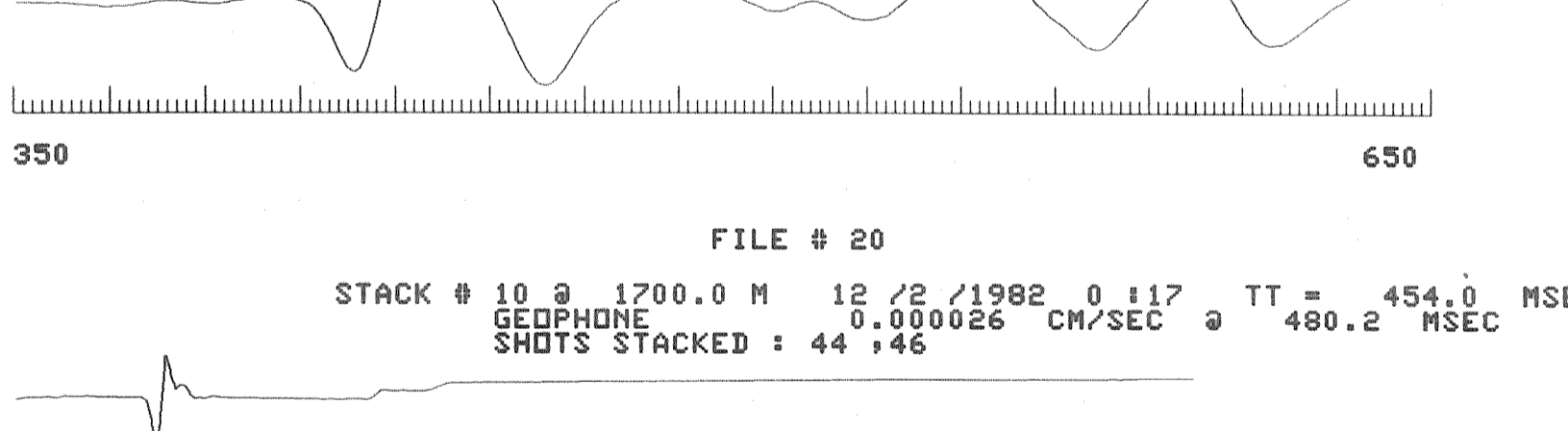
FILE # 24  
 STACK # 13 @ 800.0 M 12 /2 /1982 0 :43 TT = 234.8 MSEC  
 GEOPHONE 0.000080 CM/SEC @ 261.8 MSEC  
 SHOTS STACKED : 54 :55



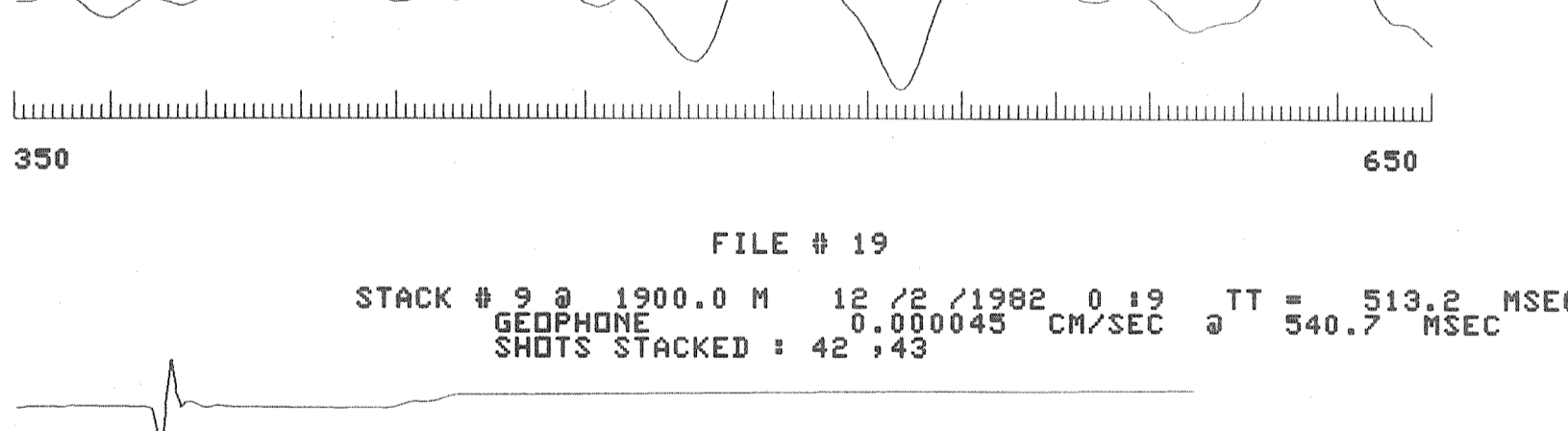
FILE # 23  
 STACK # 12 @ 1100.1 M 12 /2 /1982 0 :33 TT = 302.8 MSEC  
 GEOPHONE 0.000047 CM/SEC @ 333.2 MSEC  
 SHOTS STACKED : 51 :52



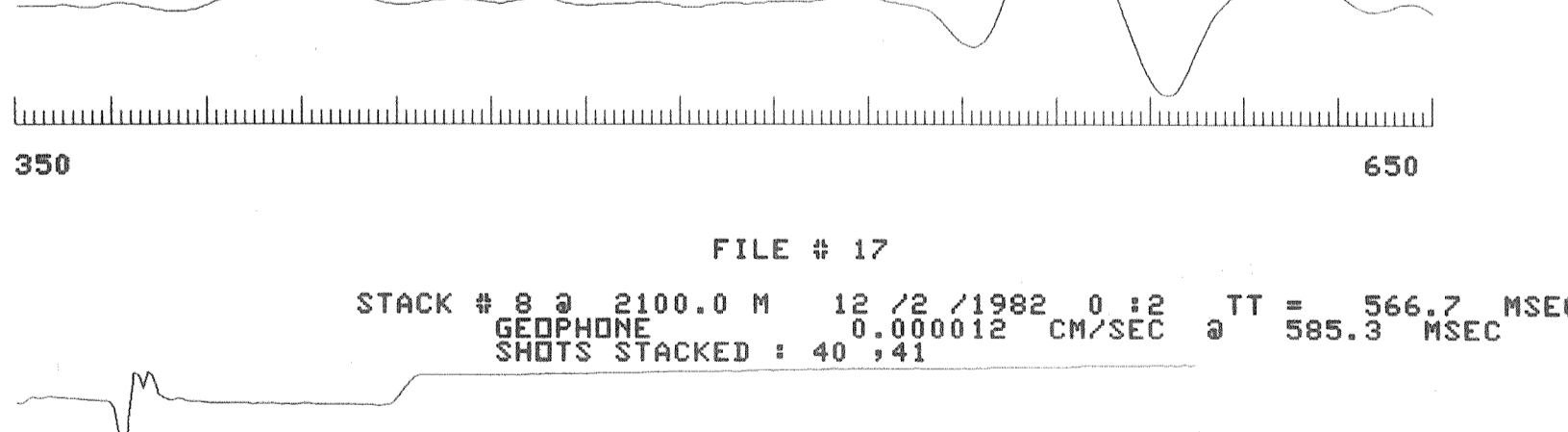
FILE # 21  
 STACK # 11 @ 1400.1 M 12 /2 /1982 0 :26 TT = 385.5 MSEC  
 GEOPHONE 0.000024 CM/SEC @ 412.4 MSEC  
 SHOTS STACKED : 48 :49



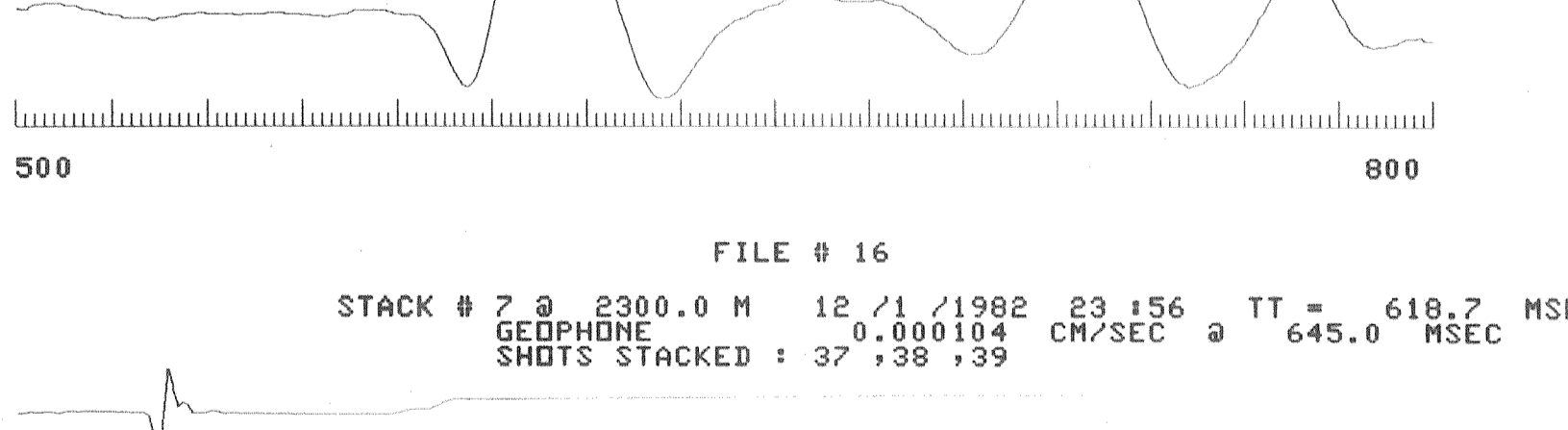
FILE # 20  
 STACK # 10 @ 1700.0 M 12 /2 /1982 0 :17 TT = 454.0 MSEC  
 GEOPHONE 0.000026 CM/SEC @ 480.2 MSEC  
 SHOTS STACKED : 44 :46



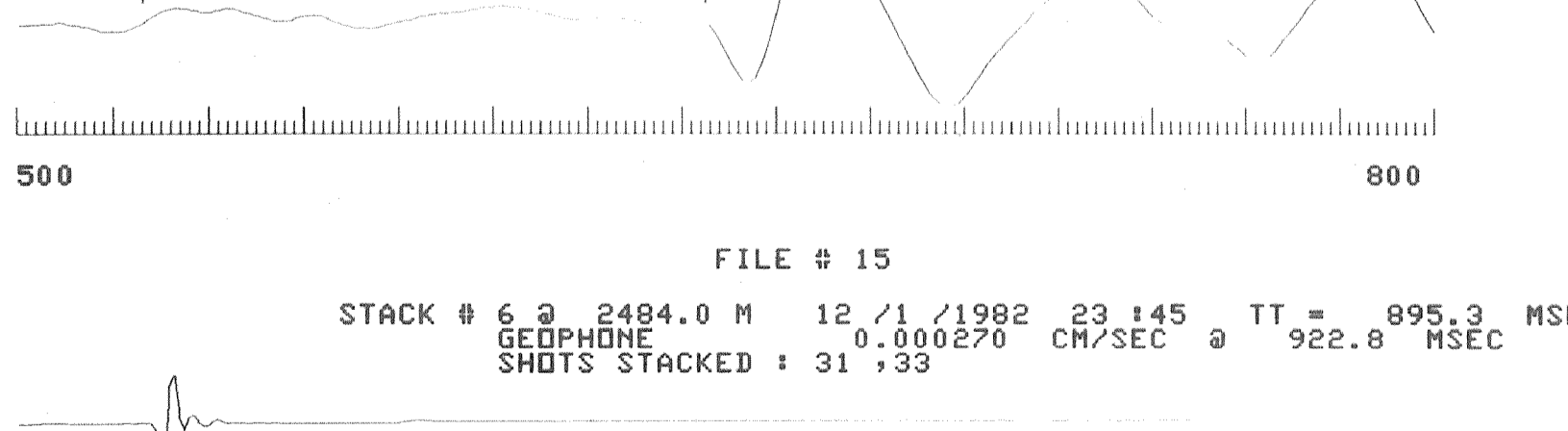
FILE # 19  
 STACK # 9 @ 1900.0 M 12 /2 /1982 0 :19 TT = 513.2 MSEC  
 GEOPHONE 0.000043 CM/SEC @ 540.7 MSEC  
 SHOTS STACKED : 42 :43



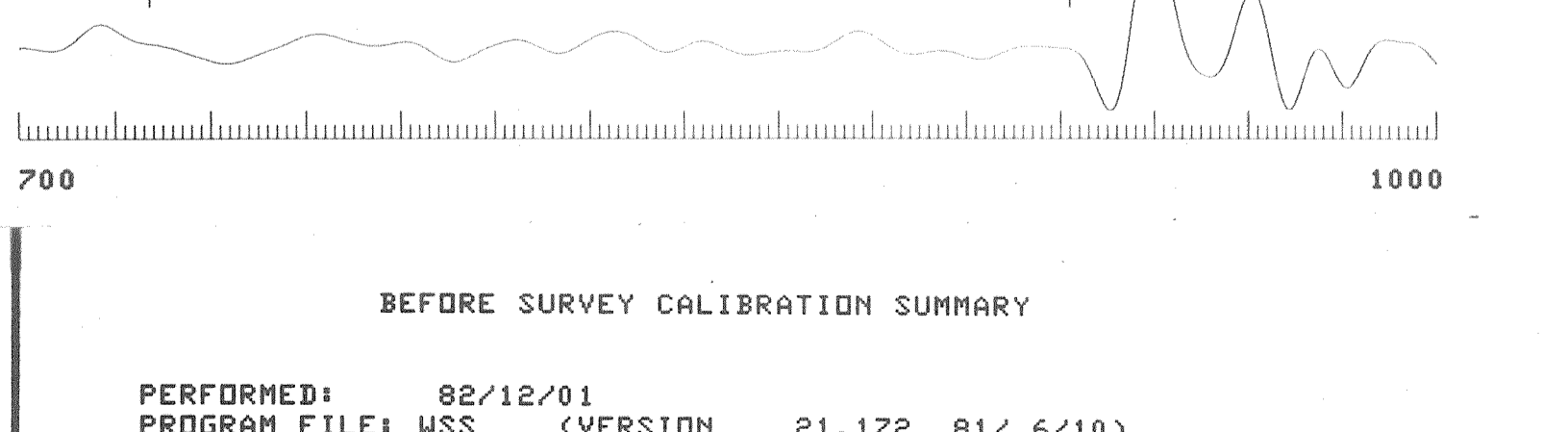
FILE # 17  
 STACK # 8 @ 2100.0 M 12 /2 /1982 0 :12 TT = 566.7 MSEC  
 GEOPHONE 0.000012 CM/SEC @ 585.3 MSEC  
 SHOTS STACKED : 40 :41



FILE # 16  
 STACK # 7 @ 2300.0 M 12 /1 /1982 23 :56 TT = 618.7 MSEC  
 GEOPHONE 0.000104 CM/SEC @ 645.0 MSEC  
 SHOTS STACKED : 37 :38 :39



FILE # 15  
 STACK # 6 @ 2484.0 M 12 /1 /1982 23 :45 TT = 895.3 MSEC  
 GEOPHONE 0.000270 CM/SEC @ 922.8 MSEC  
 SHOTS STACKED : 31 :33



BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 82/12/01  
 PROGRAM FILE: WSS (VERSION 21.172 81/ 6/10)

WSTA CALIPER CALIBRATION SUMMARY

CALI	MEASURED SMALL	LARGE	CALIBRATED SMALL	LARGE	UNITS
	7.1	14.4	8.0	12.0	INCH

