

Schlumberger

WELL SEISMIC MONITOR LOG

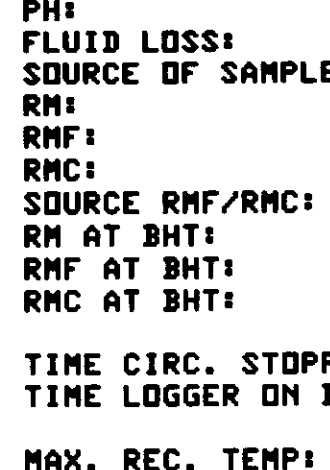
CSU

COMPANY: AMOCO PRODUCTION CO.
WELL: AMOCO-NEVERHAUSER #1-1
FIELD: HILDGAT
COUNTY: FIDUCIARY
STATE: OREGON
LOCATION: 1673' FNL & 1906' FEL
SECT: 10
TWP: 25S
RGE: 10W

PERMANENT DATUM: GL
ELEV. OF PERM. DATUM: 880.0 F
ELEVATIONS-
LEG MEASURED FROM: KB 891.0 F
DFI 891.0 F
11.0 F ABOVE PERM. DATUM
GL: 880.0 F
DRLG. MEASURED FROM: KB
DRLG. MEASURED FROM: GL: 880.0 F

DATE: 5 SEP 85
RUN NO: 1
DEPTH-DRILLER: 4401.0 F
DEPTH-LOGGER: 4396.0 F
BIT. LOG INTERVAL: 4390.0 F
TOP LOG INTERVAL: 250.0 F
CASING-DRILLER: 511 F
CASING-LOGGER: 510 F
CASING: 9 3/8
BIT SIZE: 8 3/4
BIT DEPTH: 4401 F

OTHER SERVICES-
BHC
DIL/MSFL
SHDT
FDC/CNL/GR
CST



PROGRAM: TAPENR
TAPENR: 25.704
SERVIC: 25.704
DRLG: 42115
DRLG: 42115

TYPE FLUID IN HOLE: WEIGHTED LSND
DENSITY: 10.8 LB/G
VISCOSITY: 77.0 S
PH: 9.0
FLUID LOSS: 4.2 C3
SOURCE OF SAMPLE: FLOWLINE
RM: 2.270 DHMM AT 70.0 DEGF
RMF: 2.390 DHMM AT 63.0 DEGF
RMC: 2.410 DHMM AT 63.0 DEGF
SOURCE RMF/RMC: MEAS. /MEAS.
RM AT BHT: 1.432 DHMM AT 115. DEGF
RMF AT BHT: 1.371 DHMM AT 115. DEGF
RMC AT BHT: 1.382 DHMM AT 115. DEGF

TIME CIRC. STOPPED: 17:00 9/3
TIME LOGGER ON BTH.: 06:00 9/5
MAX. REC. TEMP: 115.0 DEGF

LOGGING UNIT NO: 8057
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: KLOEPPNER

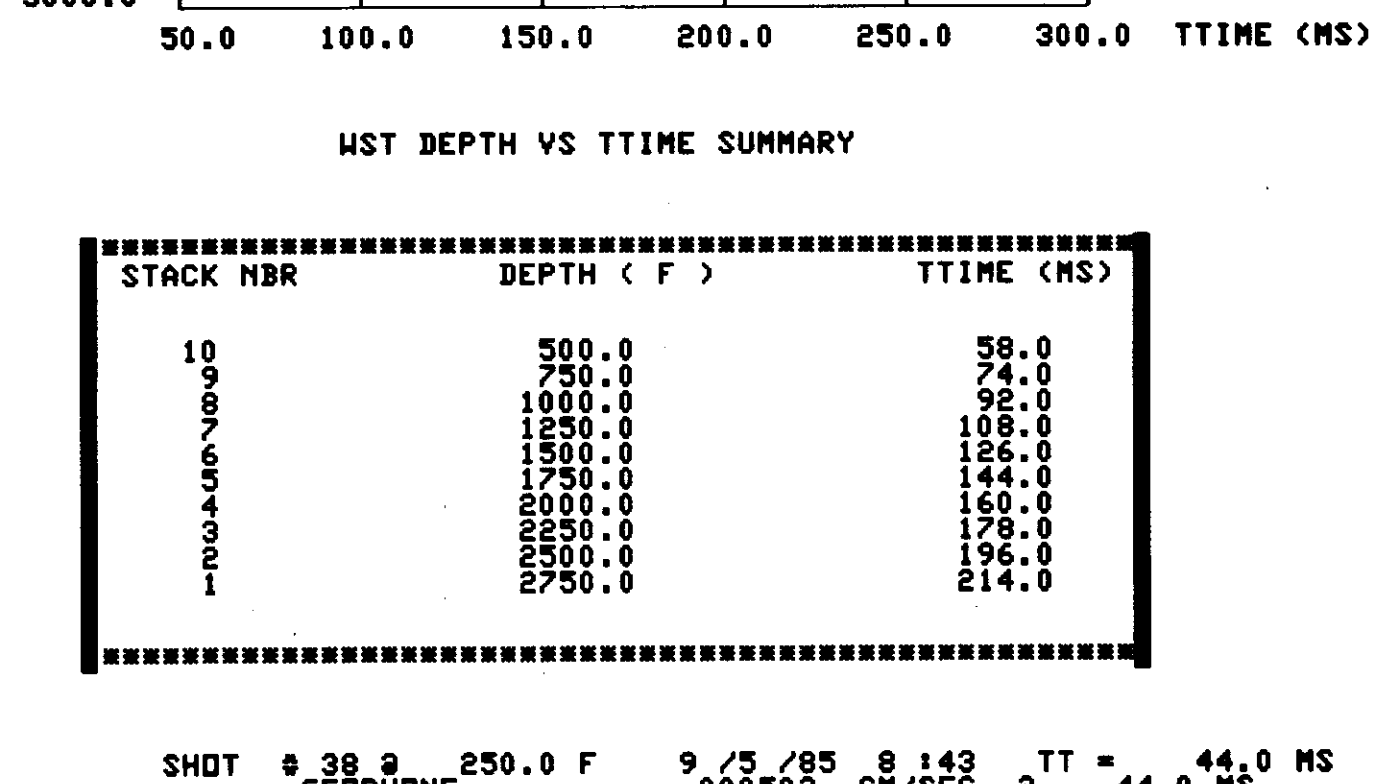
REMARKS:
1 HERTZ BSX USED AT 255' OFFSET @ N95 AZIM.
SNEEP: 13 SECONDS; 12-56HZ; UP; TAPER=.5; RATE=3.375HZ/SEC.

EQUIPMENT NUMBERS-
WSM 1739 WDM 866 WSI 729 CAC 967
HPS 968 HSA 953 WSC 930 CPU 40

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 24 05-SEP-85 09:22
DATA ACQUIRED 01-JAN-80 00:00

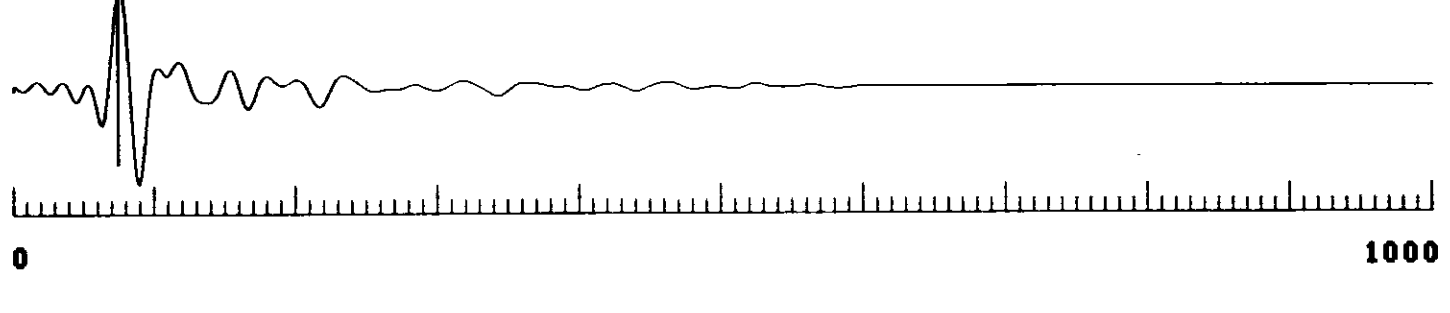
WST DEPTH VS TTIME CURVE



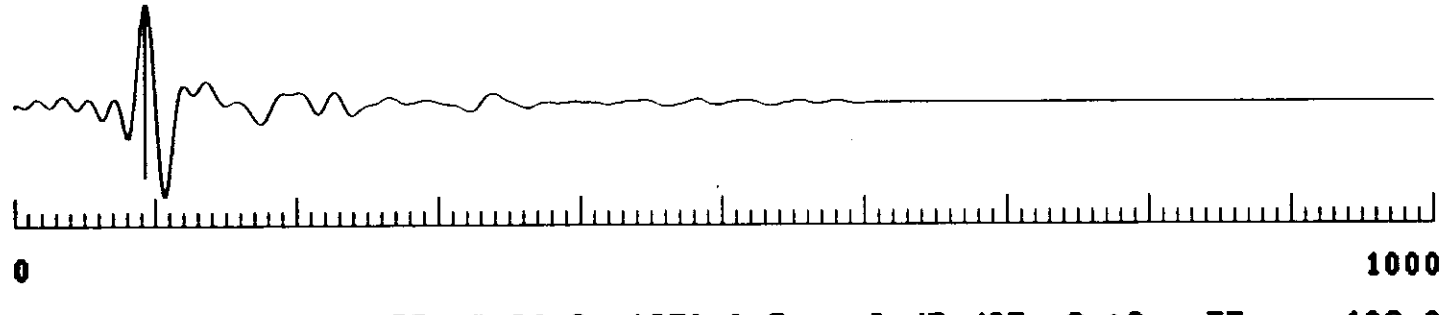
WST DEPTH VS TTIME SUMMARY

STACK NBR	DEPTH (F)	TTIME (MS)
10	500.0	58.0
9	750.0	74.0
8	1000.0	92.0
7	1250.0	108.0
6	1500.0	126.0
5	1750.0	144.0
4	2000.0	160.0
3	2250.0	178.0
2	2500.0	196.0
1	2750.0	214.0

SHOT # 38 @ 250.0 F 9/5/85 8:143 TT = 44.0 MS
GEOPHONE .000503 CM/SEC @

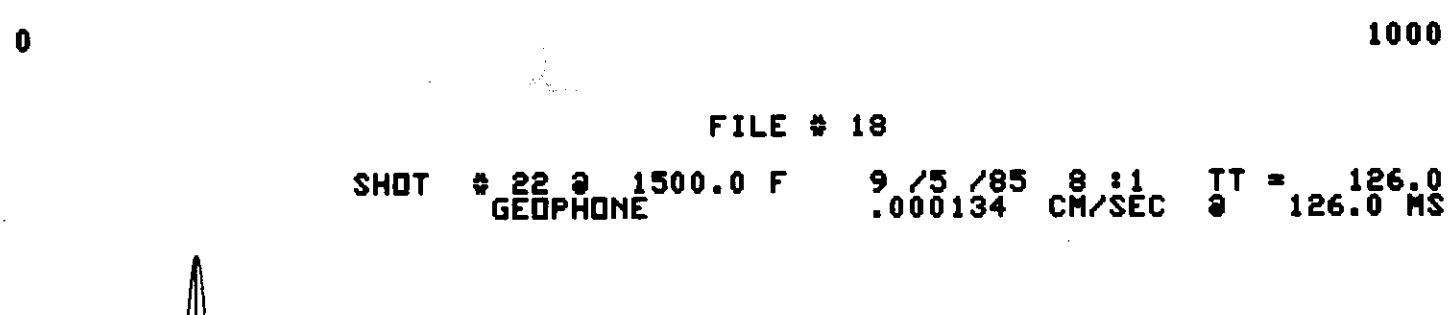


SHOT # 36 @ 500.0 F 9/5/85 8:130 TT = 58.0 MS
GEOPHONE .000523 CM/SEC @



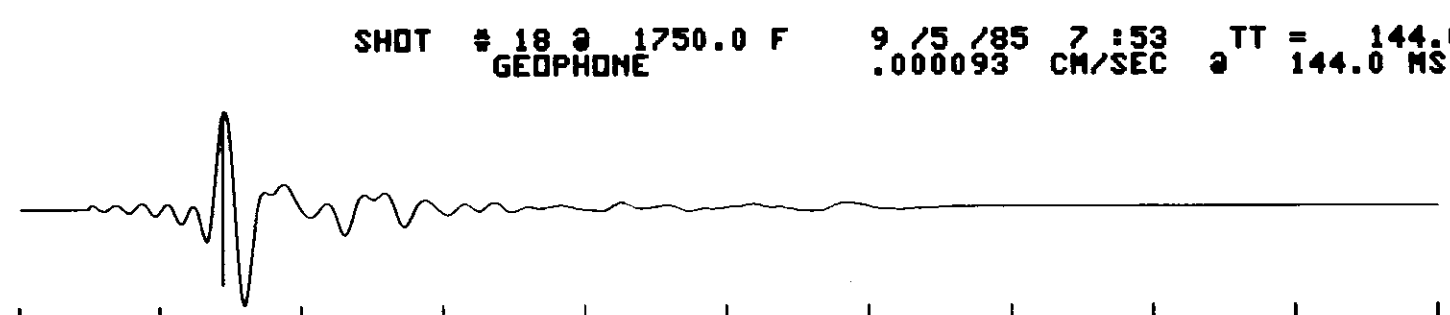
FILE # 21

SHOT # 34 @ 750.0 F 9/5/85 8:123 TT = 74.0 MS
GEOPHONE .000334 CM/SEC @

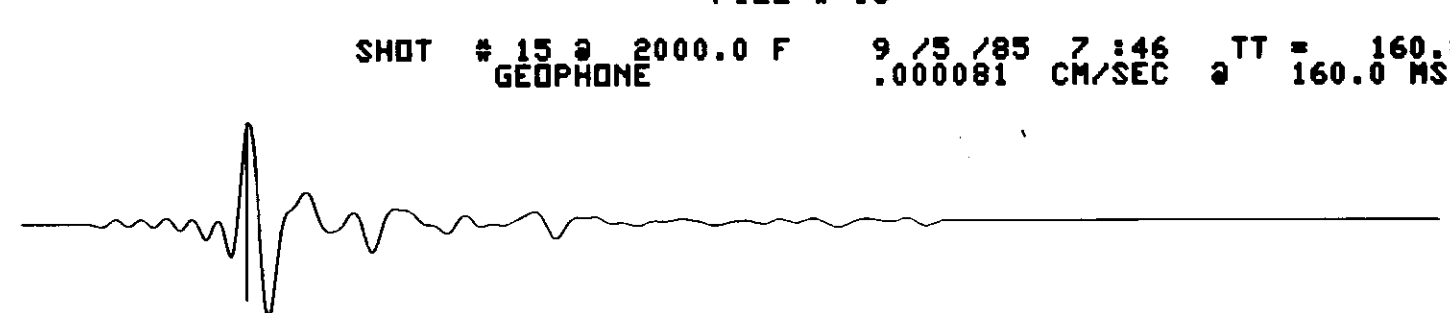


FILE # 20

SHOT # 30 @ 1000.0 F 9/5/85 8:116 TT = 92.0 MS
GEOPHONE .000475 CM/SEC @

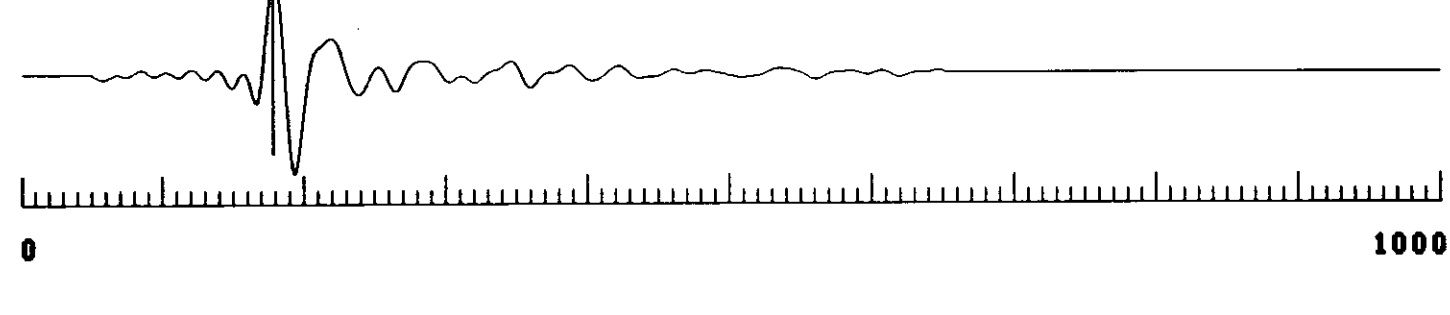


SHOT # 26 @ 1250.0 F 9/5/85 8:18 TT = 108.0 MS
GEOPHONE .010512 CM/SEC @



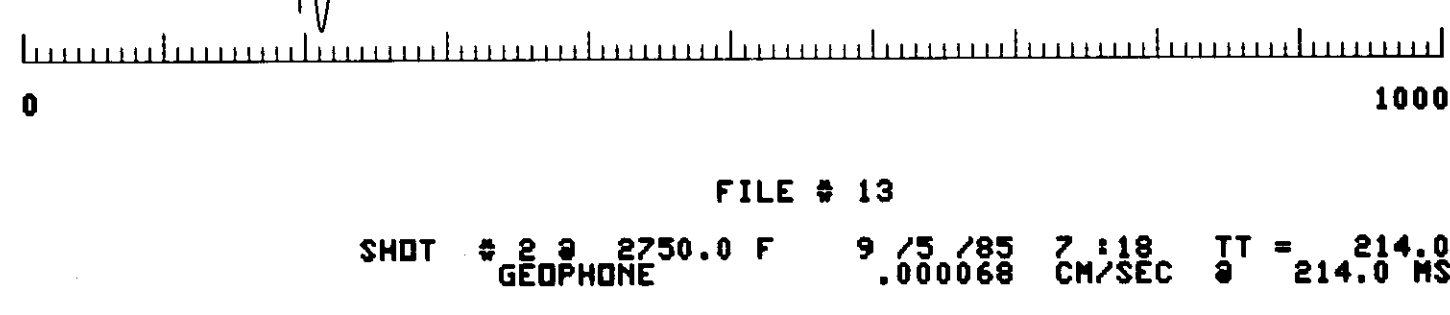
FILE # 18

SHOT # 22 @ 1500.0 F 9/5/85 8:11 TT = 126.0 MS
GEOPHONE .000134 CM/SEC @



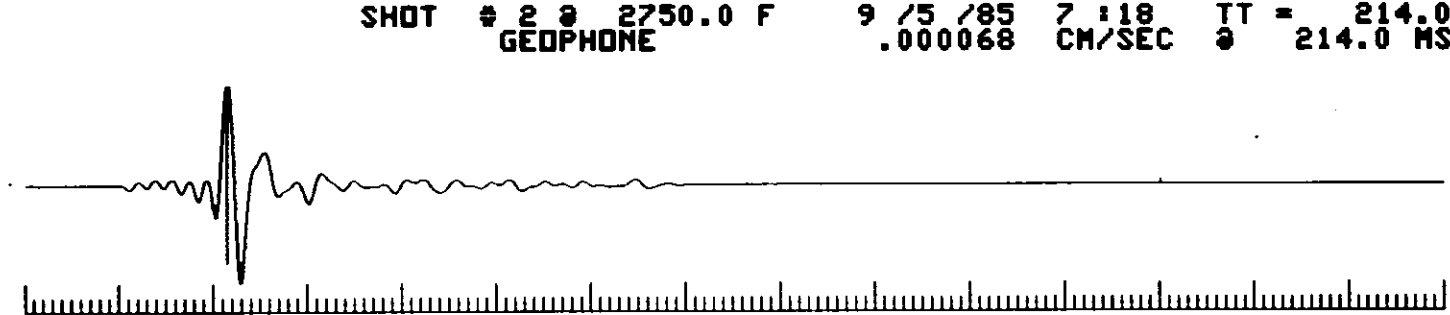
FILE # 17

SHOT # 18 @ 1750.0 F 9/5/85 7:53 TT = 144.0 MS
GEOPHONE .000093 CM/SEC @



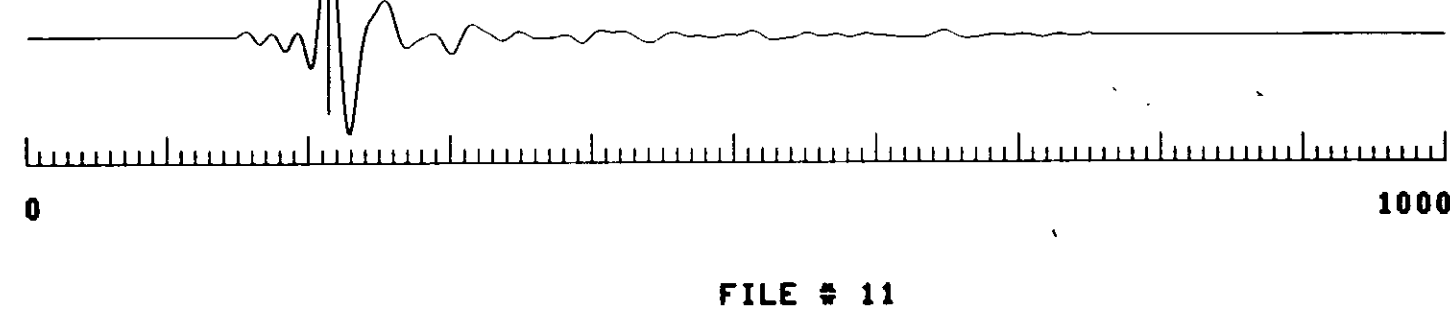
FILE # 16

SHOT # 15 @ 2000.0 F 9/5/85 7:146 TT = 160.0 MS
GEOPHONE .000081 CM/SEC @



FILE # 15

SHOT # 11 @ 2250.0 F 9/5/85 7:139 TT = 178.0 MS
GEOPHONE .000075 CM/SEC @



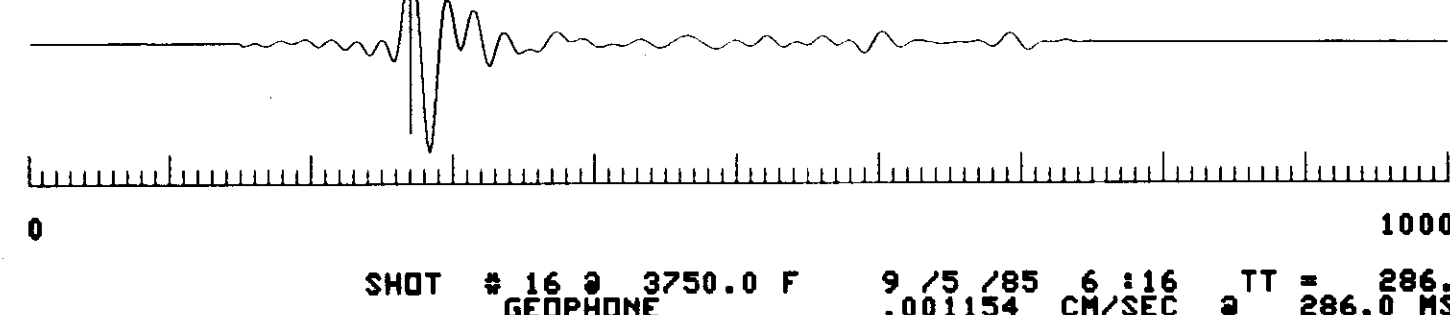
FILE # 14

SHOT # 6 @ 2500.0 F 9/5/85 7:27 TT = 196.0 MS
GEOPHONE .000280 CM/SEC @

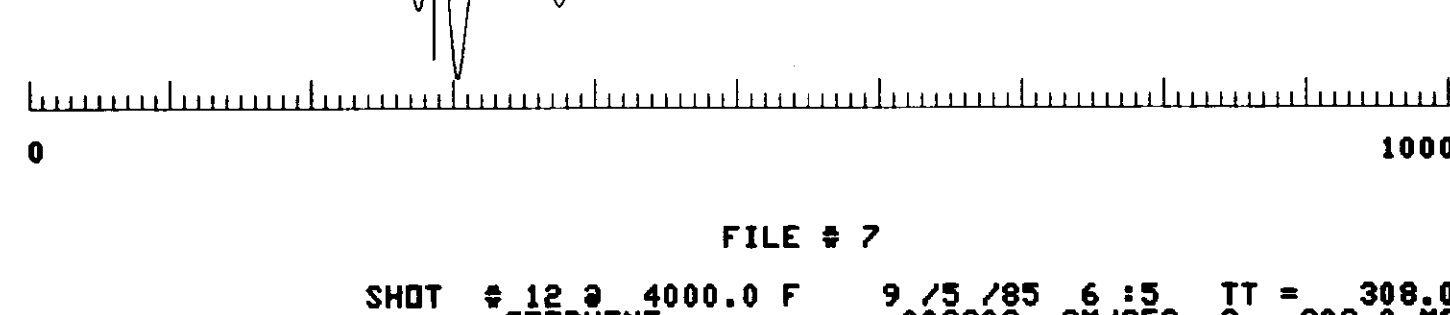


FILE # 13

SHOT # 2 @ 2750.0 F 9/5/85 7:18 TT = 214.0 MS
GEOPHONE .000068 CM/SEC @

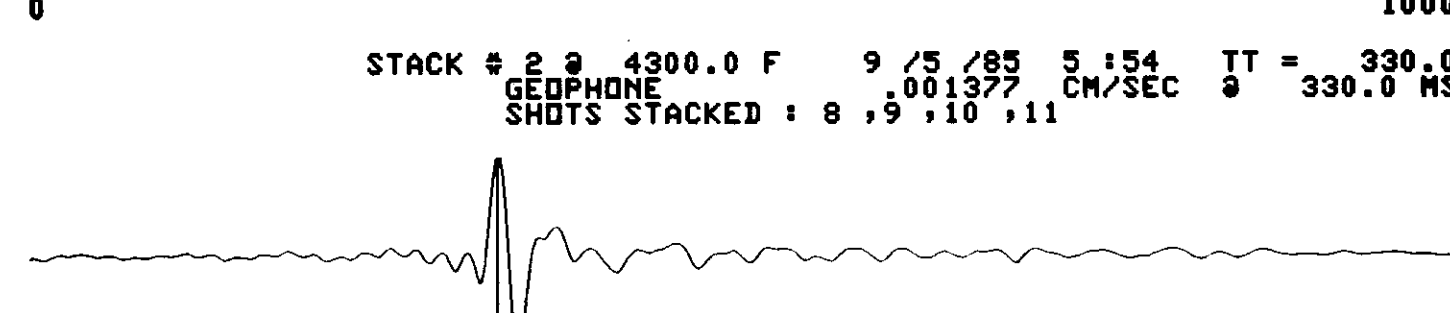


SHOT # 2 @ 2750.0 F 9/5/85 7:18 TT = 214.0 MS
GEOPHONE .000068 CM/SEC @



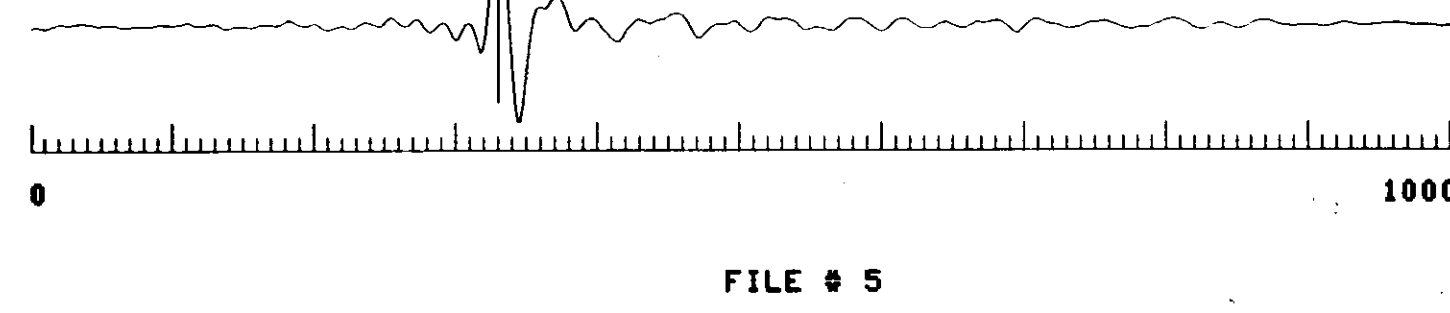
FILE # 12

SHOT # 32 @ 2750.0 F 9/5/85 7:2 TT = 214.0 MS
GEOPHONE .000986 CM/SEC @

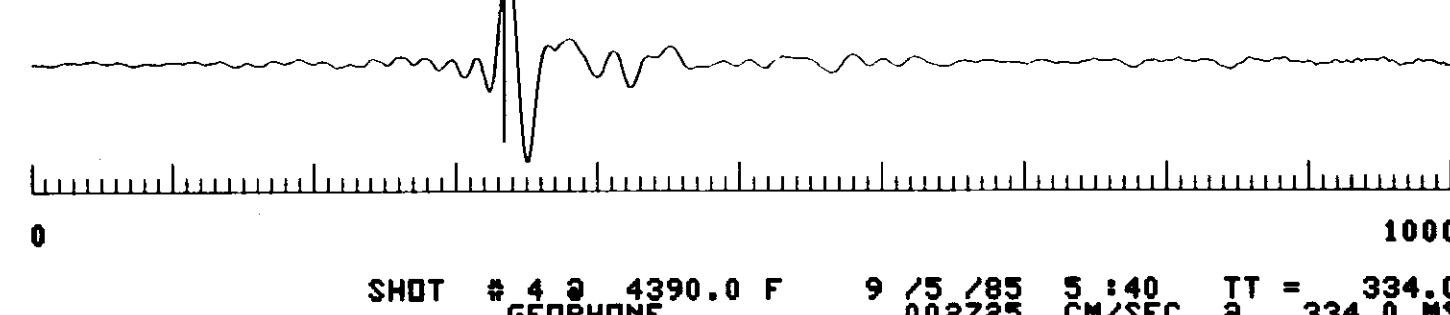


FILE # 11

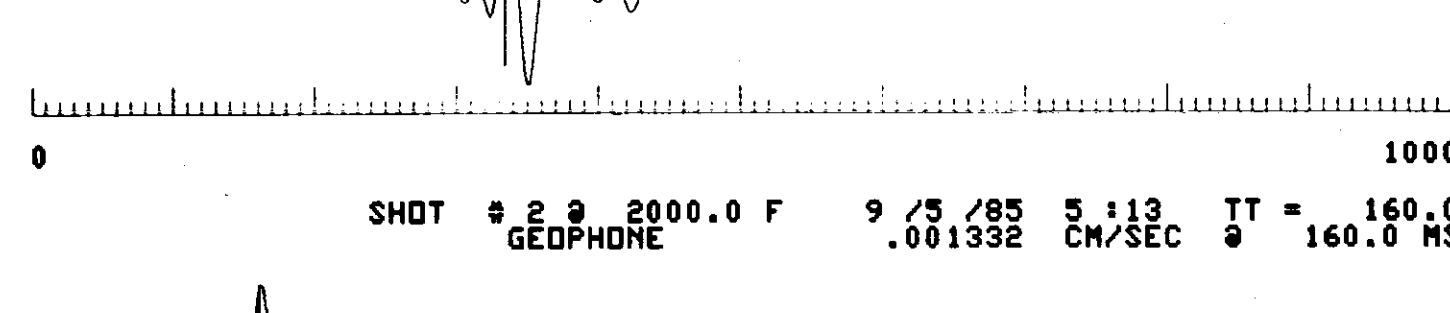
SHOT # 29 @ 3000.0 F 9/5/85 6:52 TT = 230.0 MS
GEOPHONE .010070 CM/SEC @



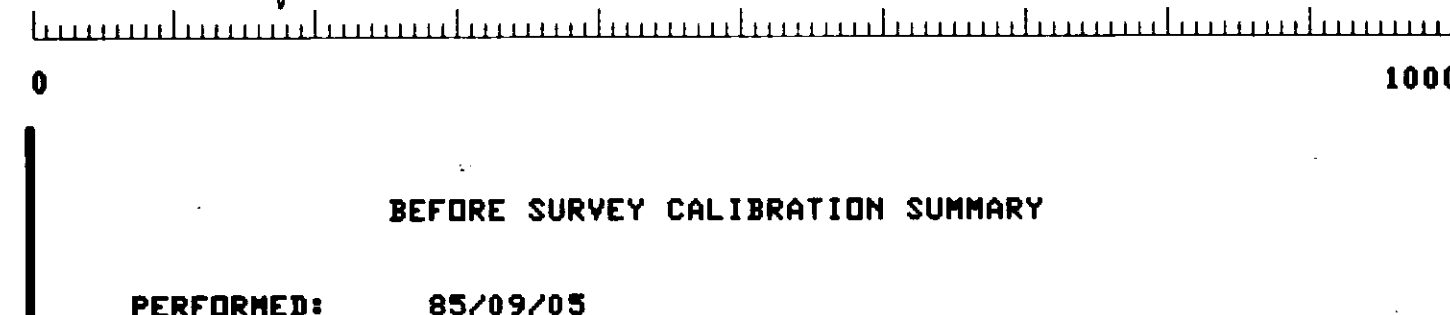
SHOT # 26 @ 3250.0 F 9/5/85 6:143 TT = 248.0 MS
GEOPHONE .000161 CM/SEC @



SHOT # 20 @ 3500.0 F 9/5/85 6:130 TT = 270.0 MS
GEOPHONE .001421 CM/SEC @



SHOT # 16 @ 3750.0 F 9/5/85 6:116 TT = 286.0 MS
GEOPHONE .001154 CM/SEC @



FILE # 7

SHOT # 12 @ 4000.0 F 9/5/85 6:5 TT = 308.0 MS
GEOPHONE .002209 CM/SEC @



STACK # 2 @ 4300.0 F 9/5/85 5:154 TT = 330.0 MS
GEOPHONE .001377 CM/SEC @
SHOTS STACKED : 8 , 9 , 10 , 11

SHOT # 8 @ 4300.0 F 9/5/85 5:50 TT = 330.0 MS
GEOPHONE .002461 CM/SEC @

FILE # 5

STACK # 1 @ 4390.0 F 9/5/85 5:145 TT = 334.0 MS
GEOPHONE .001341 CM/SEC @
SHOTS STACKED : 4 , 5 , 7

SHOT # 4 @ 4390.0 F 9/5/85 5:140 TT = 334.0 MS
GEOPHONE .000225 CM/SEC @

SHOT # 2 @ 2000.0 F 9/5/85 5:113 TT = 160.0 MS
GEOPHONE .001332 CM/SEC @

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 85/09/05
PROGRAM FILE: VIB (VERSION 25.704 83/09/12)

WSTA CALIPER CALIBRATION SUMMARY

CALI	MEASURED		CALIBRATED		UNITS
	SMALL	LARGE	SMALL	LARGE	
	7.4	15.0	8.0	12.0	IN

FILE 2 05-SEP-85 04:42
DATA ACQUIRED 01-JAN-80 00:00