Western Atlas International ®

ATLAS WIRELINE SERVICES

5" 100

VERTILOG

FILE NO.

API NO.

COMPANY ~~OREGON NATURAL GAS DEVELOPMENT CORP.~~ NORTHWEST NAT. GAS.

WELL IW33AC-3

FIELD MIST

COUNTY COLUMBIA STATE OR.

LOCATION:
1469.94' N & 1706.49' W
FROM THE SW CORNER OF:

SEC 3 TWP 6N RGE 5W

OTHER SERVICES
CBL/GR

PERMANENT DATUM GL ELEV. 1075.1
LOGGING MEASURED FROM KB 11.5 FT. ABOVE P.D.
DRILLING MEASURED FROM KB

ELEVATIONS
KB 1086.6'
DF
GL 1075.1'

DATE	11-29-90		
RUN	1		
SERVICE ORDER	65504		
DEPTH-DRILLER	2600'		
DEPTH-LOGGER	2600'		
BOTTOM LOGGED INTERVAL	2594'		
TOP LOGGED INTERVAL	0		
TYPE FLUID IN HOLE	WATER		
SALINITY PPM CL.	-		
DENSITY LB/GAL.	-		
LEVEL	FULL		
MAX. REC. TEMP. DEG. F	-		
OPR. RIG TIME	2HRS		
EQUIP. NO. / LOC.	6399 BAKS.		
RECORDED BY	M. HINDS		
WITNESSED BY	MR. THOMAS		

FINAL PRINT

BOREHOLE RECORD

NO.	BIT	FROM	TO

FOLD HERE

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

CASING RECORD

SIZE	WGT	FROM	TO
8 5/8"	32K55	SURF.	2600'

REMARKS RUN (1)

POSSIBLE 360 deg INTERVAL MECH WEAR JOINT (57) 2393'-2438'
& JOINT (61) 2556' - 2588'

EQUIPMENT DATA

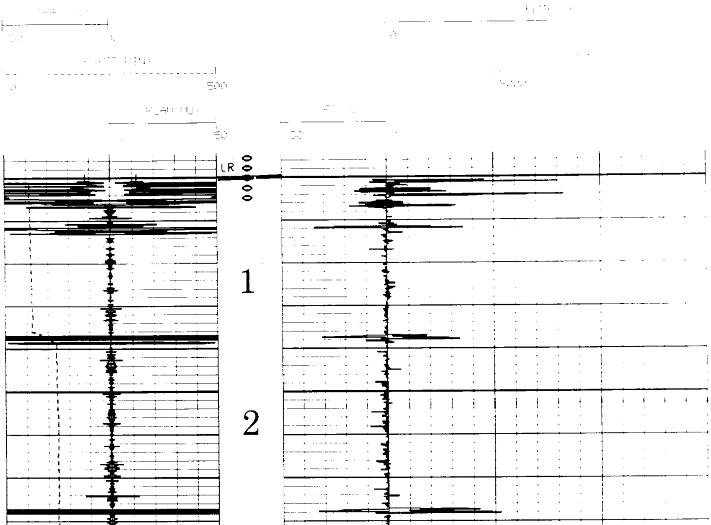
RUN	TRIP	TOOL	SERIAL NO.	SERIES NO.	POSITION
1	1	VRT	55001	2709XA	CENT

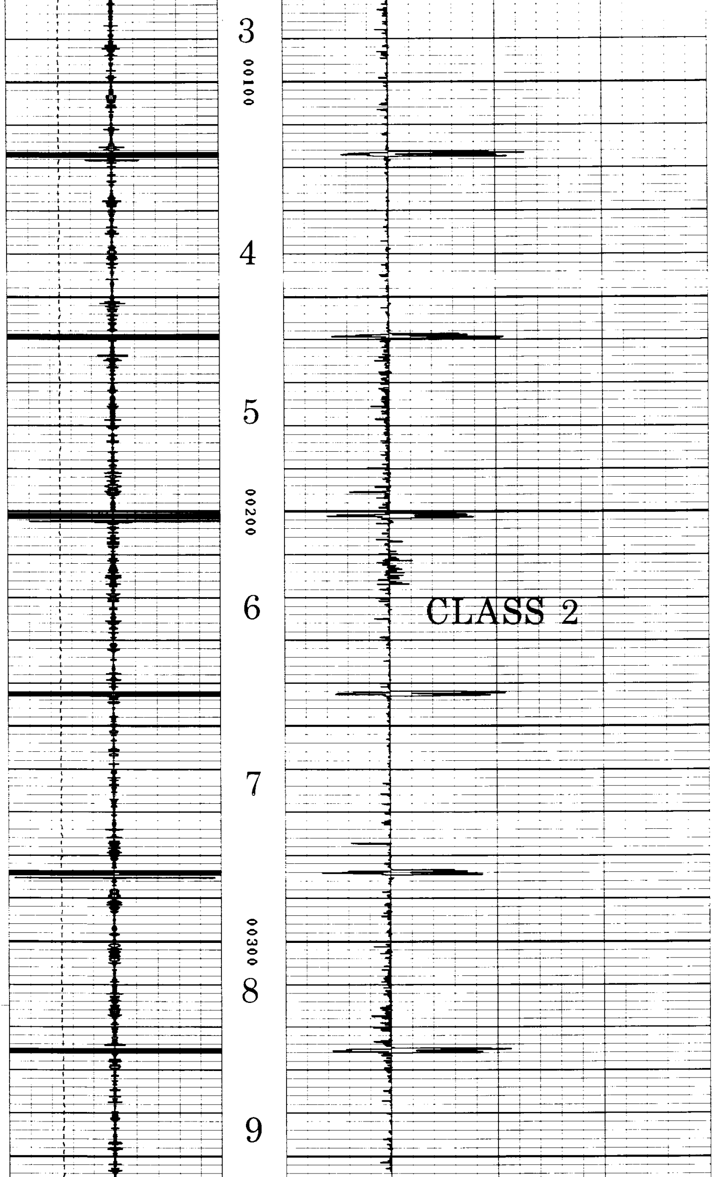
[illegible] NATURAL GAS [illegible]

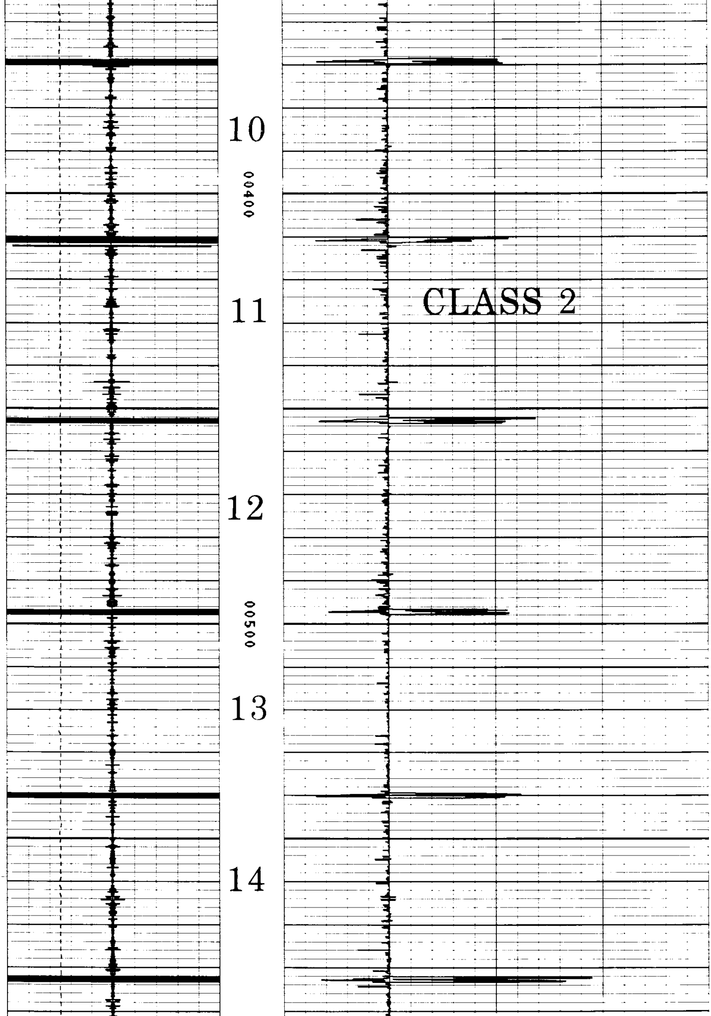
[illegible] 1093AC-3

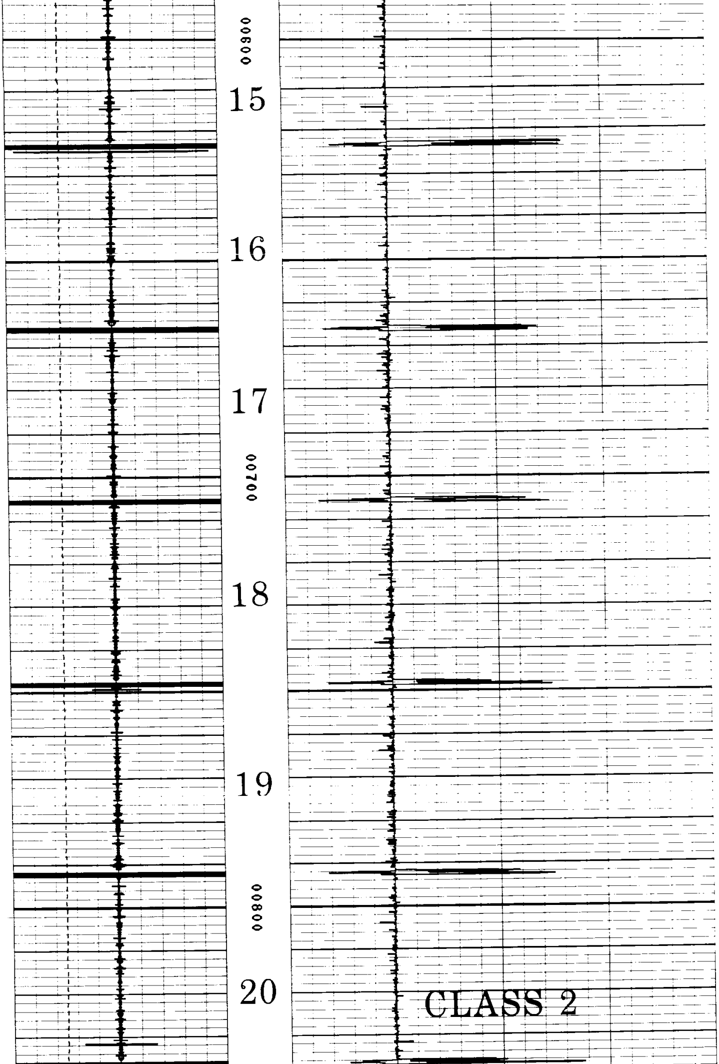
[illegible] FILE: 4

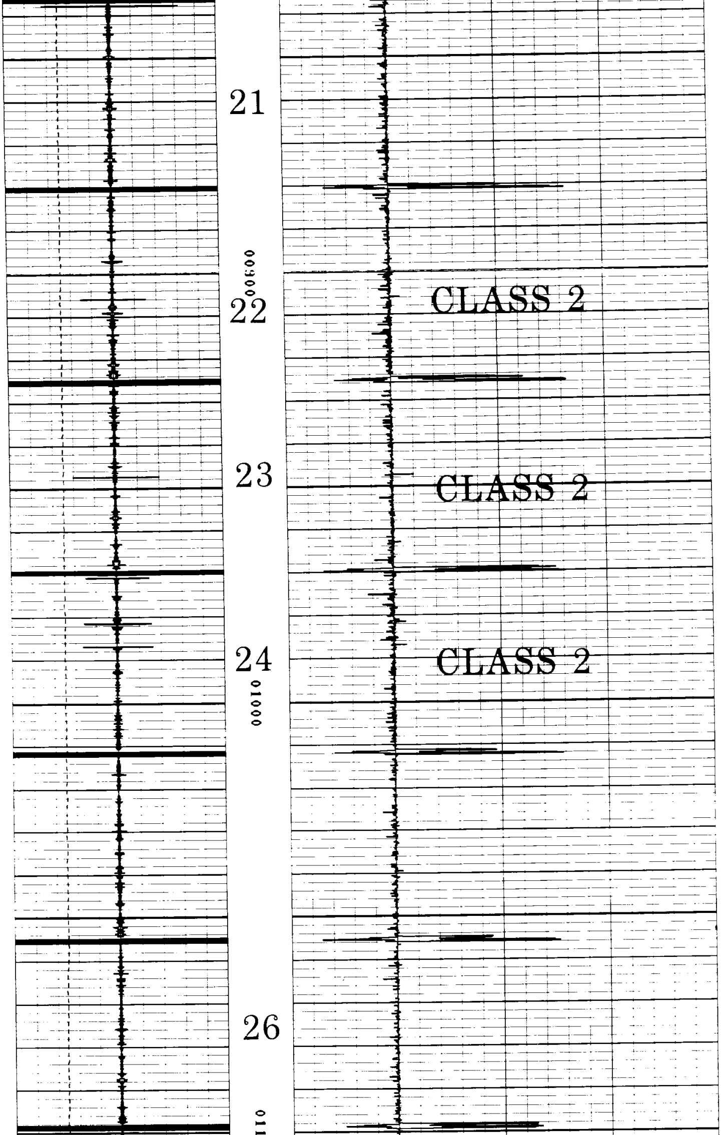
[illegible] REV:G002 VER:2.0

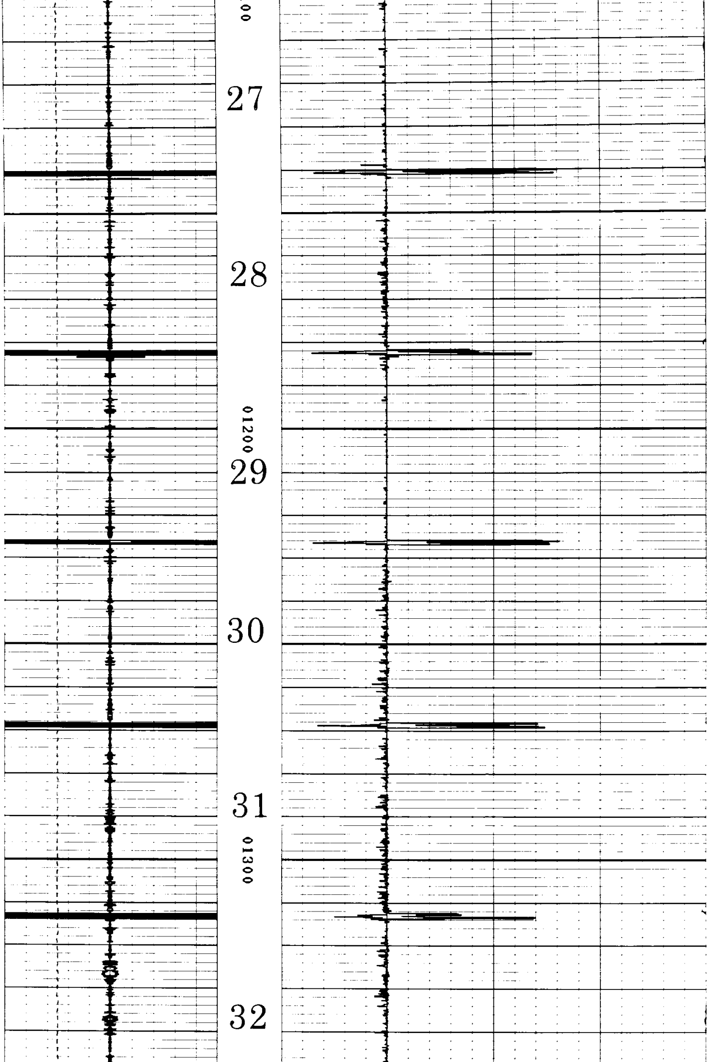


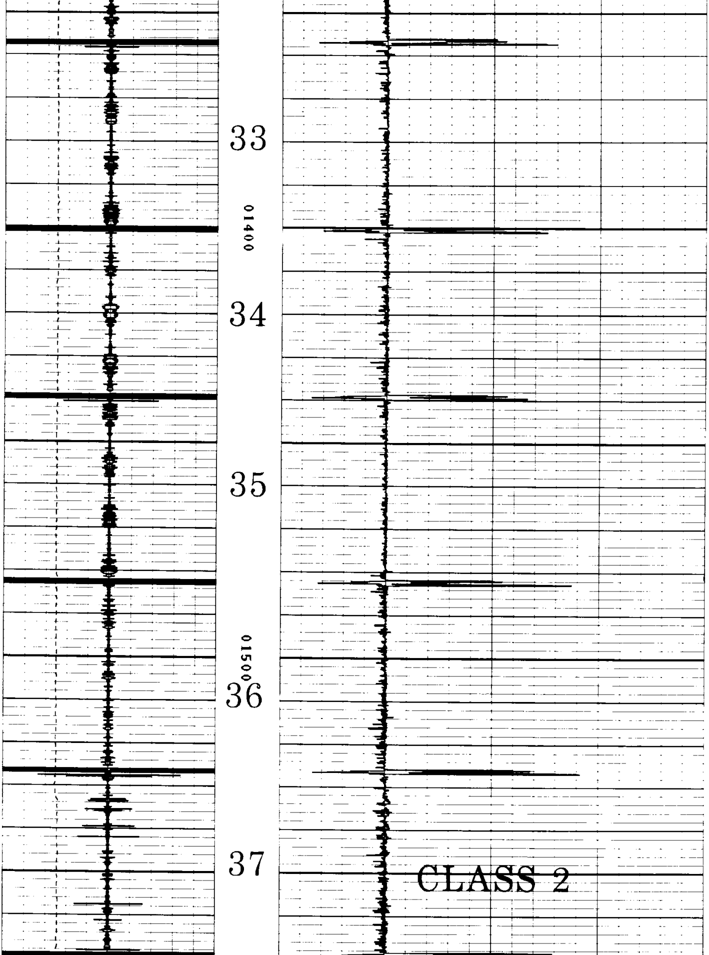


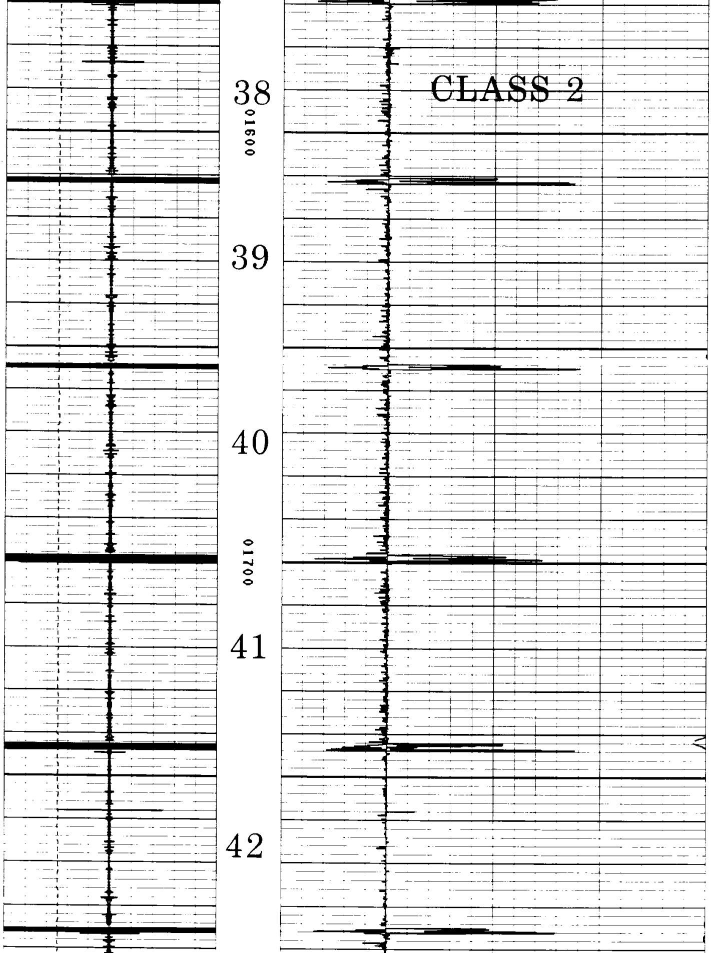


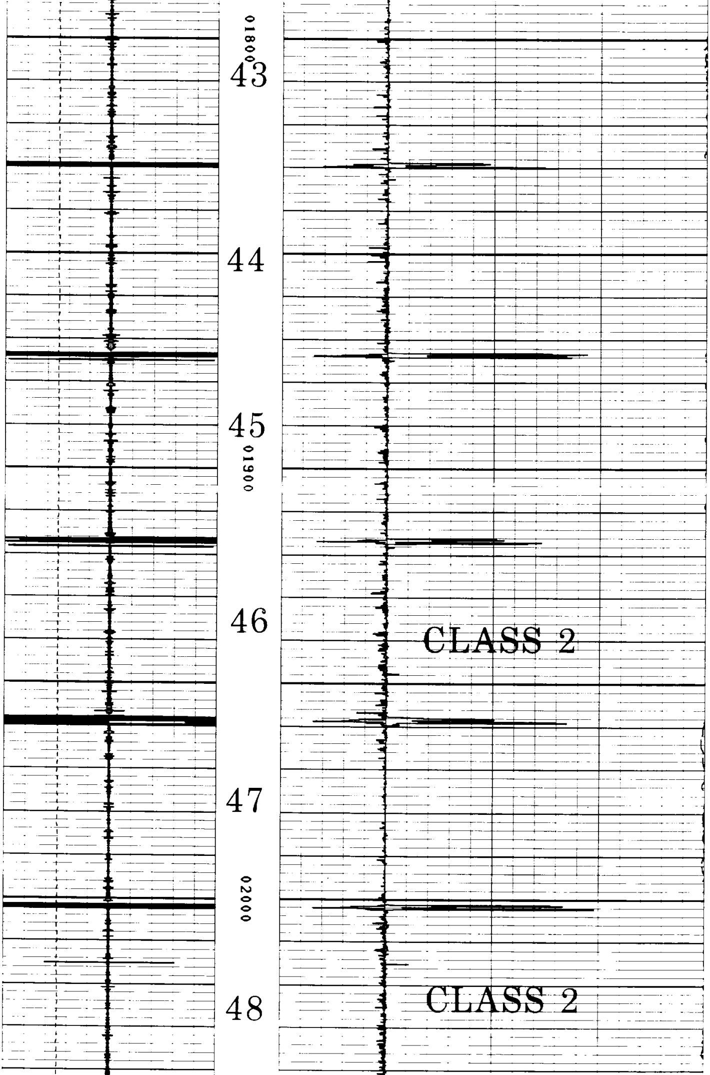


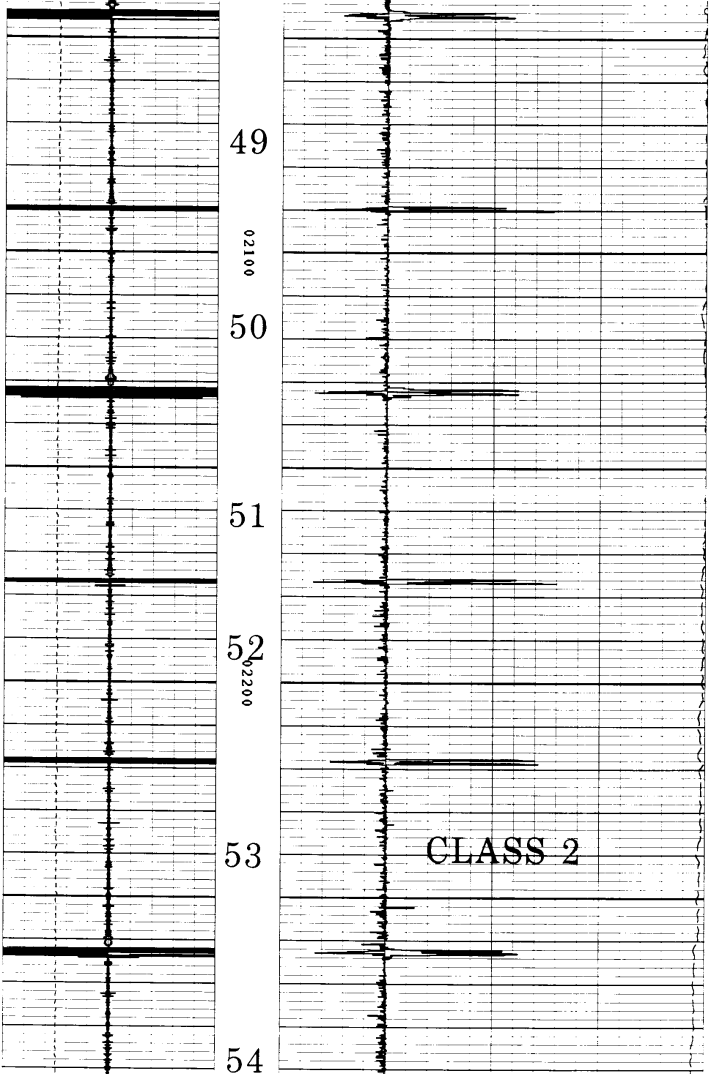


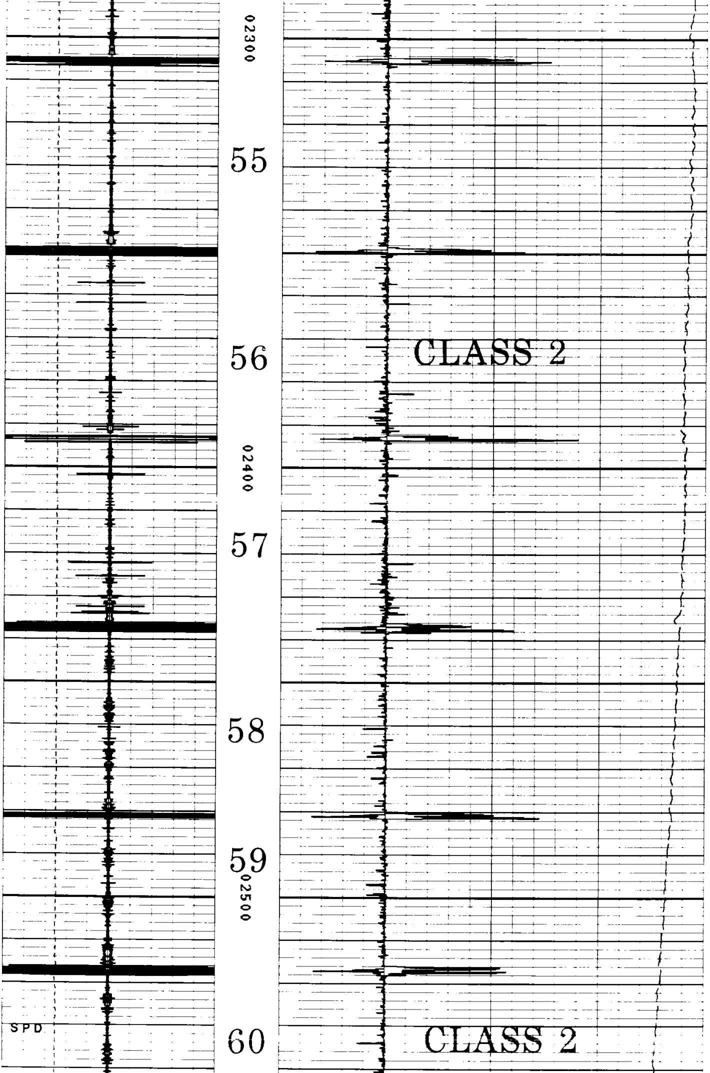


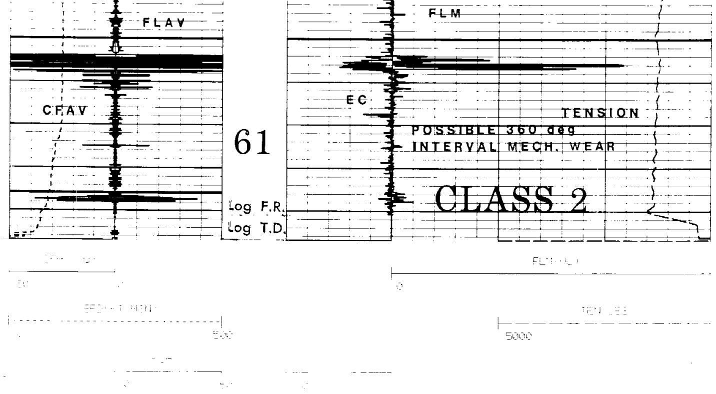


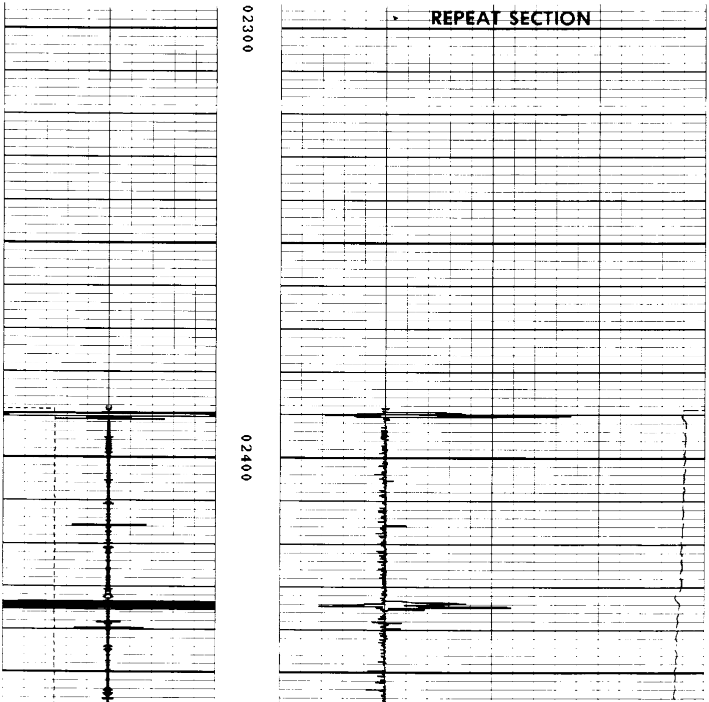


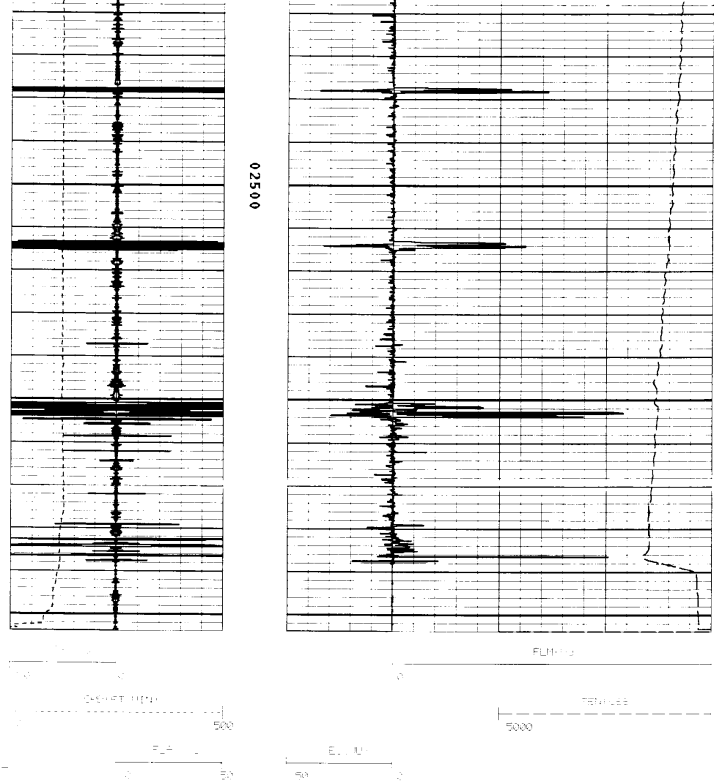












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              CALIBRATION SUMMARY
  DATE 11 02 90            TIME 11:44:01
  RUN 1                    TRIP 1
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        LOG NAME GRT     ASSET NO. 55001     UNIT NO. 2220
   CALIBRATION ENTERED [illegible] 11 02 [illegible]                  2307

CURVE   FIELD VALUES     ENGINEERING FACTOR      ENGINEERING VALUES  UNITS
         LOW    HIGH     ZERO      SLOPE           LOW       HIGH
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    DATE 11 18 90          CALIBRATION          TIME 11:34:28

[illegible]  12.   1033.   0.000    0.0732     -0.132    10.848 [illegible]
[illegible]  15.   1021.   0.000    0.0701     -0.154    10.303 [illegible]
[illegible]  38.   1577.   0.000    0.0366      0.432     9.834 [illegible]
[illegible]   0.      1.   0.000    4.[illegible]      0.000     1.639 [illegible]

    DATE 11 18 90       CHANNEL SUMMARY        TIME 11:34:29
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CH. NO.        FL1 (MV)       FL2 (MV)       E0 (MV)        FLAG NU
   1              373.           E             1905.             3.
   2              971.           E             1976.             1.
   3              937.           F             1962.             0.
   4             1032.           E             2013.             0.
   5             1051.           E             2007.             0.
   6             1032.           E             2061.             0.
   7             1053.           E            `2012.             0
   8             1063.           F             1932.             2.
   9             1003.           E             1965.             2.
  10              966.           E             1946.             0.
  11             1030.           E             1900.             1.
  12             1078.           E             [illegible]       1.
  13              E             1032.          1900.          E
  14              E             1063.          1947.          E
  15              E             [illegible]    2014.          E
  16              E             [illegible]    2012.          E
  17              E             1079.          1991.          E
  18              E             [illegible]    [illegible]    E
  19              E             [illegible]    [illegible]    E
  20              E                            [illegible]    E
  21              E                            [illegible]    E
  22              E                                           E
  23              E                                           E
  24              E                                           E
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