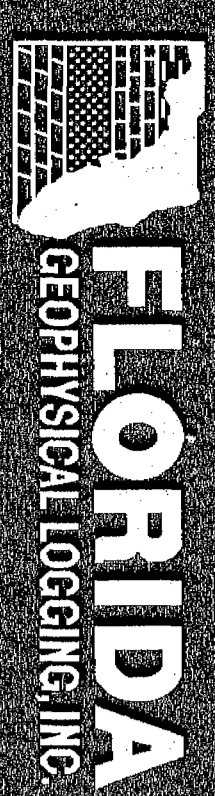


870606



HIGH RESOLUTION
TEMPERATURE
LOG

COMPANY MIAMI-DADE WATER & SEWER
WELL FA-1N
FIELD MIAMI-DADE
COUNTY DADE
STATE FLORIDA
LOCATION NORTH DISTRICT MWTP
OTHER SERVICES:
X-Y CALIPER
GAMMA RAY
BHC SONIC/VDL

PERMANENT DATUM PAD _____ ELEV. _____
LOG MEASURED FROM PAD _____ FT. ABOVE PERMANENT DATUM
DRILLING MEASURED FROM PAD _____ ELEV. : K. B. _____
DATE 13-JANUARY-1996 D. F. _____
RUN NO. TMO TEMPERATURE G. L. _____
TYPE LOG TEMPERATURE
DEPTH-DRILLER 1173'
DEPTH-LOGGER 1168'
LOGGED INTERVAL 1162' TO 325'
OPERATING RIG TIME 1 HOUR
TYPE FLUID IN HOLE WATER
SALINITY, PPM CL N/A
DENSITY-VISCOSITY N/A
LEVEL FULL
MAX. REC. TEMP, DEG F. 84 DEGF.
EQUIPMENT-LOCATION 102 - MIAMI
RECORDED BY WILLIAMS/LEE
WITNESSED BY C. CAUSARA'S

BOREHOLE RECORD		CASING RECORD	
RUN NO.	BIT FROM TO	SIZE	WGT. FROM TO
ONE	28.5" 355'	SURFACE 20"	.5 M.T. 350'
TWO	18.5" 1173'	CASING	

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 INTERPRETATION, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFULL 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 SET OUT IN OUR CURRENT PRICE SCHEDULE.

REMARKS

TEMPERATURE TOOL STRING CONFIGURATION

-- TOTAL TOOL STRING LENGTH = 7.5 FT. --
-- 1 11/16" WEIGHT -- 5 FT. LONG
--TEMPERATURE -- 2.5 FT. LONG
---MEASURE POINT (BOT)

REMARKS

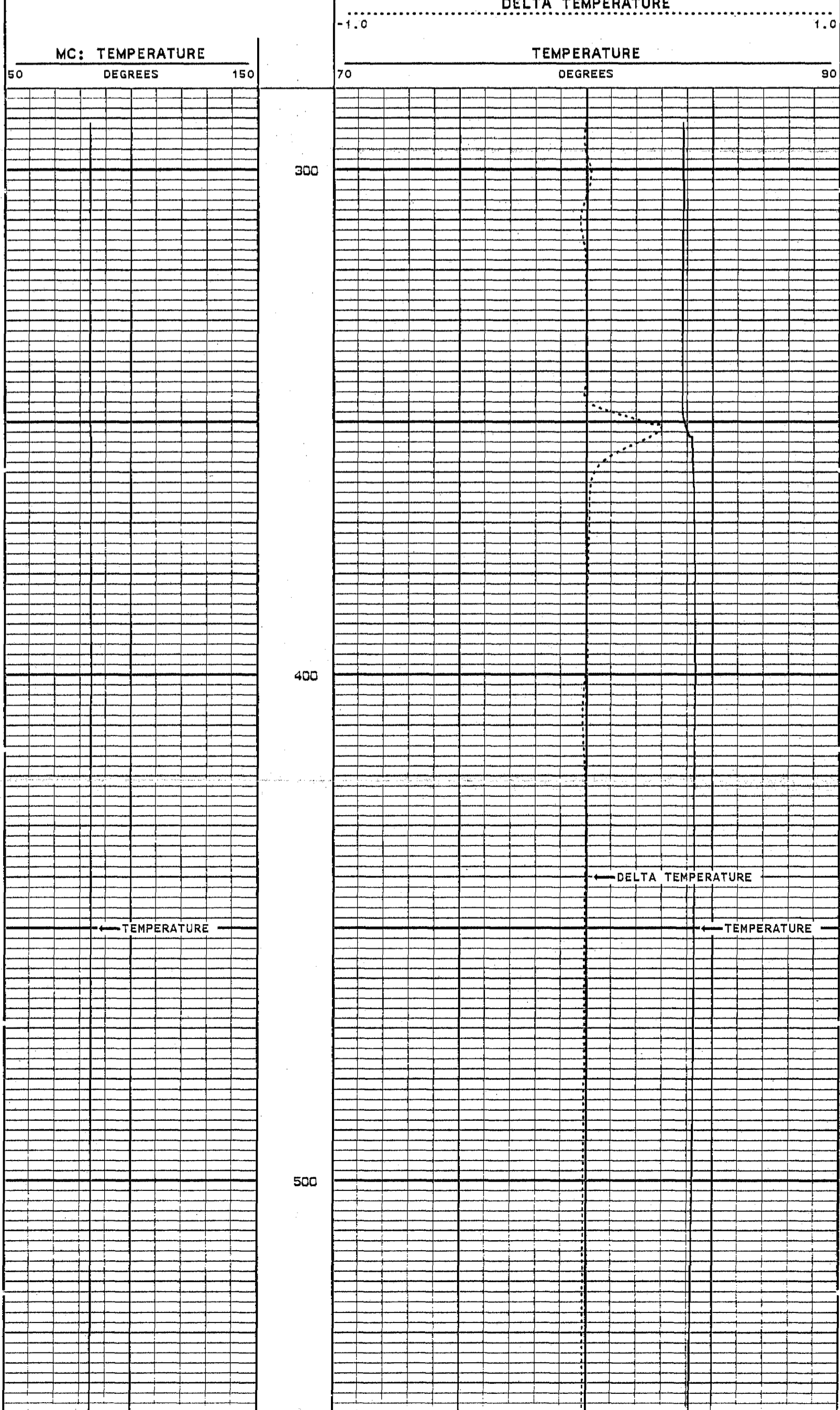
LOGGED GOING DOWN
TEMPERATURE PROBE HELD UP AT 1162', DUE TO CLAY
SETTLING AT BOTTOM OF WELL.

VERSION: 2.26

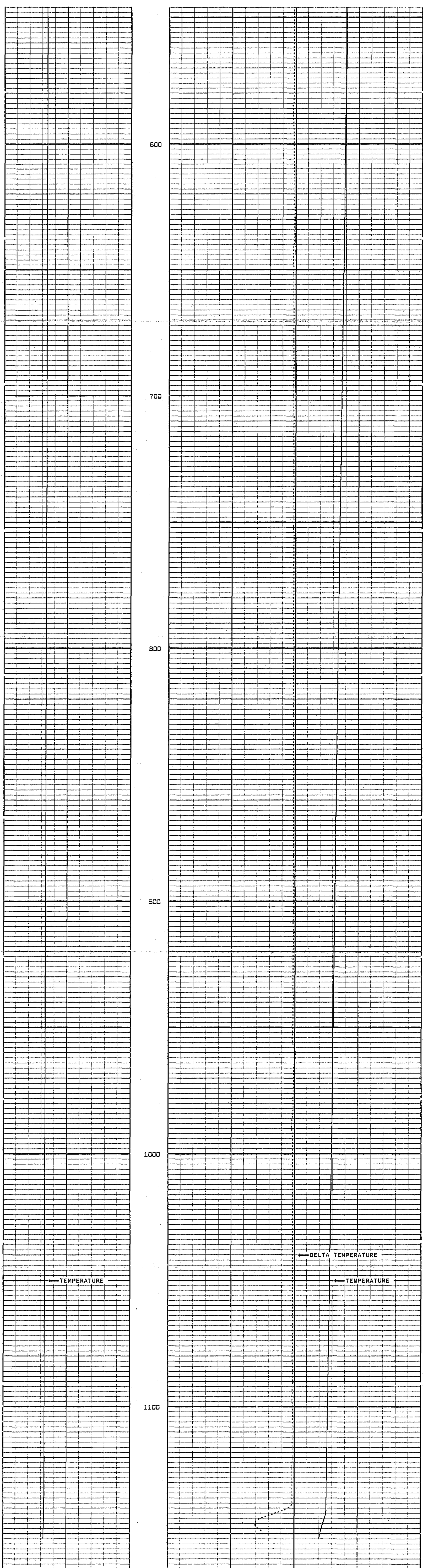
MAIN PASS

FA1N2TMP

FINISH DEPTH: 1155.0 FEET DIRECTION: DOWN DATE: 01/13/96 TIME: 10:28:23 MODE: TRACE PLAYBACK



2



MC: TEMPERATURE
 50 DEGREES 150

TEMPERATURE
 70 DEGREES 90
 DELTA TEMPERATURE
 -1.0 1.0

START DEPTH: 294.3 FEET DIRECTION: DOWN DATE: 01/13/96 TIME: 10:12:36 MODE: TRACE PLAYBACK
 FA1N2TMP

MAIN PASS
 VERSION: 2.26

REMARKS

(2)

REPEAT SECTION
LOGGED GOING DOWN

MC: TEMPERATURE 50 DEGREES 150		DELTA TEMPERATURE -1.0 1.0	
TEMPERATURE 70 DEGREES 90		TEMPERATURE 70 DEGREES 90	
900			
1000			
1100			
MC: TEMPERATURE 50 DEGREES 150		TEMPERATURE 70 DEGREES 90	
		DELTA TEMPERATURE -1.0 1.0	

MASTER CALIBRATION SUMMARY

FILE: DATE: 01/13/96 TIME: 13:48 VERSION: 2.26

TEMPERATURE TOOL #31

DATE: 03/10/95 TIME: 15:29

	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS
ZERO	283.1	CPS	69.6	69.5	69.6	0.04	DEGF
PLUS	386.8	CPS	91.0	91.0	91.0	0.00	DEGF

COMPANY MIAMI-DADE WATER AND SEWER

NORTH DISTRICT WWTP

WELL FA-1N

FIELD MIAMI-DADE STATE FLORIDA

