



MW - 2

79

COMPANY : CITY OF FT LAUDERDALE
 WELL : MW - 2
 LOCATION/FIELD : PORT EVERGLADES
 COUNTY : BROWARD
 STATE : FL
 SECTION : 14 TOWNSHIP : 50S RANGE : 42E

DATE : 04/23/94 PERMANENT DATUM : PL ELEVATIONS
 DEPTH DRILLER : 1850 ELEU. PERM. DATUM: KB :
 LOG BOTTOM : 1848.50 LOG MEASURED FROM: PL DF : 8 FT
 LOG TOP : 886.50 DRL MEASURED FROM: PL GL :

CASING DRILLER : 900 LOGGING UNIT : 1
 CASING TYPE : STEEL FIELD OFFICE : DFB
 CASING THICKNESS: .5 RECORDED BY : M. SCHILLING

BIT SIZE : 12.25 BOREHOLE FLUID : WATER FILE : ORIGINAL
 MAGNETIC DECL. : 7.5 RM : 0 TYPE : 9040A
 MATRIX DENSITY : 2.68 RM TEMPERATURE : 0 LOG : 1
 FLUID DENSITY : 1.0 MATRIX DELTA T : 57 PLOT : MARK 1
 NEUTRON MATRIX : LIMESTONE FLUID DELTA T : 210 THRESH: 2500

REMARKS :
 OBSERVER: J. SCHWARTZENTRUBER - YOUNGQUIST BROTHERS
 LOGGED UNDER STATIC CONDITIONS ON 12 1/4-INCH PILOT HOLE
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





MW - 2

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

COMPANY : CITY OF FT. LAUDERDALE
 WELL : MW - 2
 LOCATION/FIELD : PORT EVERGLADES
 COUNTY : BROWARD
 STATE : FL
 SECTION : 14 TOWNSHIP : 50S RANGE : 42E

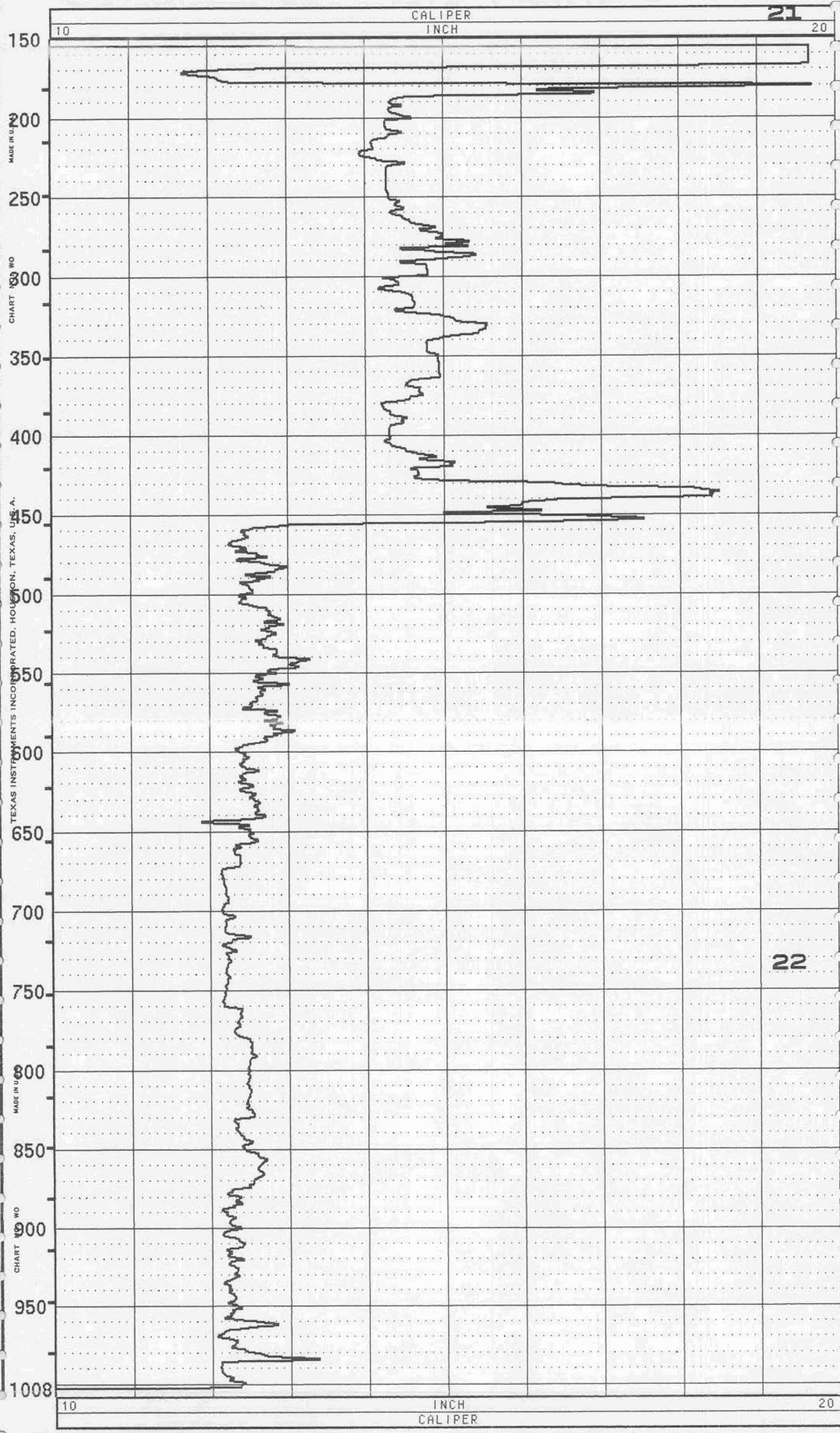
OTHER SERVICES:
 LSN ELEC
 GAMMA, SP

DATE : 03/17/94 PERMANENT DATUM : PL ELEVATIONS
 DEPTH DRILLER : 1004 ELEV. PERM. DATUM: KB :
 LOG BOTTOM : 1007.50 LOG MEASURED FROM: PL DF : 8 FT
 LOG TOP : 150.50 DRL MEASURED FROM: PL GL :

CASING DRILLER : 170 LOGGING UNIT : 1
 CASING TYPE : STEEL FIELD OFFICE : DFB
 CASING THICKNESS: .5 RECORDED BY : M. SCHILLING

BIT SIZE : 12.25 BOREHOLE FLUID : MUD FILE : ORIGINAL
 MAGNETIC DECL. : 7.5 RM : 0 TYPE : CCAL1
 MATRIX DENSITY : 2.68 RM TEMPERATURE : 0 LOG : 4
 FLUID DENSITY : 1.0 MATRIX DELTA T : 57 PLOT : MARK 3
 NEUTRON MATRIX : LIMESTONE FLUID DELTA T : 210 THRESH: 2500

REMARKS :
 OBSERVER: S. SKEHAN - CH2M HILL <DFB>
 LOGGED UNDER STATIC CONDITIONS ON 12 14" MUDDIED PILOT HOLE
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





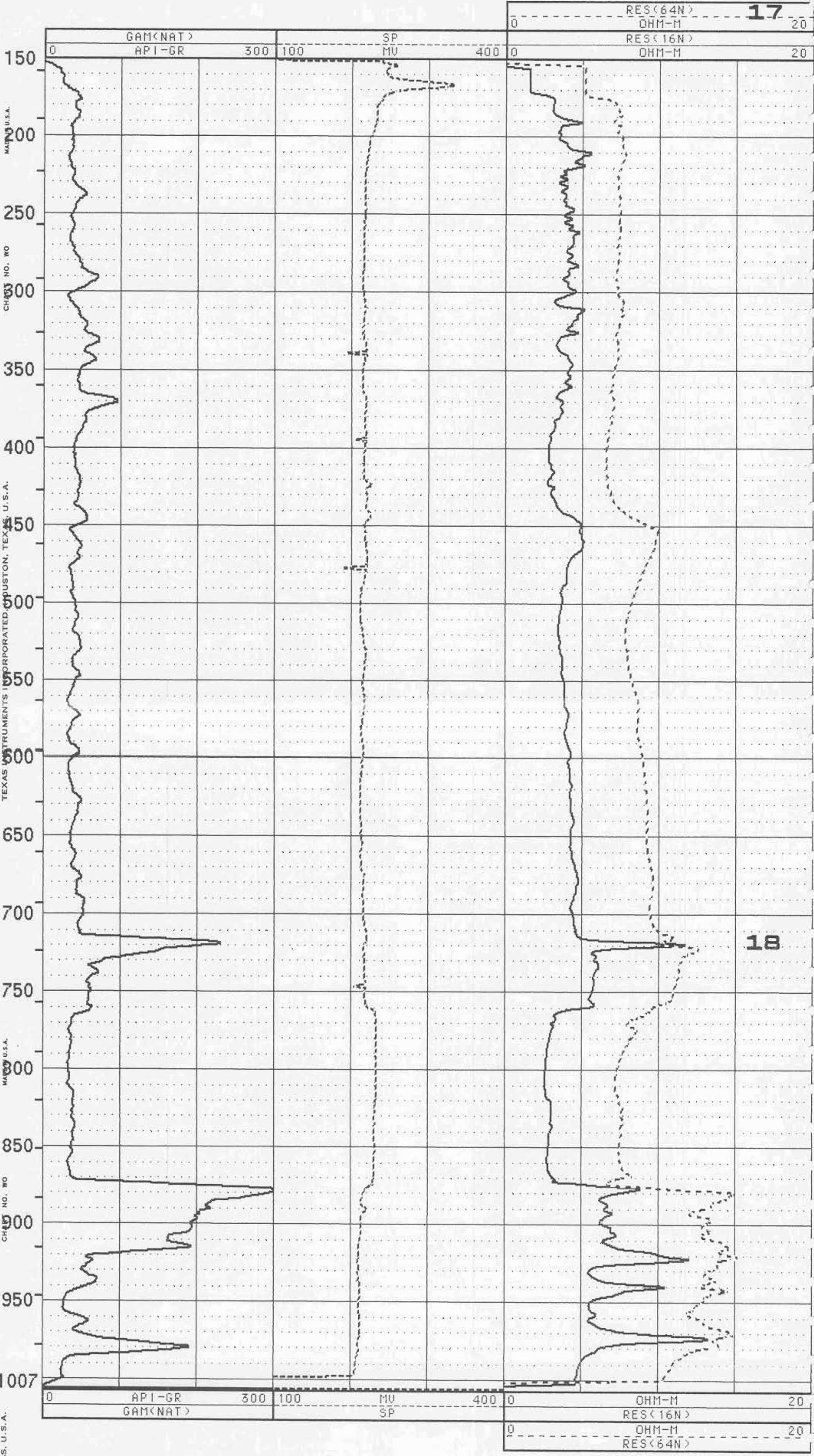
**GAMMA,SP
LSN ELECTRIC**

MW - 2

TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

COMPANY	: CITY OF FT. LAUDERDALE	OTHER SERVICES:	
WELL	: MW - 2	CALIPER	
LOCATION/FIELD	: PORT EVERGLADES		
COUNTY	: BROWARD		
STATE	: FL		
SECTION	: 14	TOWNSHIP	: 50S
		RANGE	: 42E
DATE	: 03/17/94	PERMANENT DATUM	: PL
DEPTH DRILLER	: 1004	ELEV. PERM. DATUM:	KB :
LOG BOTTOM	: 1006.50	LOG MEASURED FROM:	PL DF : 8 FT
LOG TOP	: 151.50	DRL MEASURED FROM:	PL GL :
CASING DRILLER	: 170	LOGGING UNIT	: 1
CASING TYPE	: STEEL	FIELD OFFICE	: DFB
CASING THICKNESS:	.5	RECORDED BY	: M. SCHILLING
BIT SIZE	: 12.25	BOREHOLE FLUID	: MUD
MAGNETIC DECL.	: 7.5	RM	: 0
MATRIX DENSITY	: 2.68	RM TEMPERATURE	: 0
FLUID DENSITY	: 1.0	MATRIX DELTA T	: 57
NEUTRON MATRIX	: LIMESTONE	FLUID DELTA T	: 210
REMARKS	:	FILE	: PROCESSED
		TYPE	: 9040A
		LOG	: 6
		PLOT	: FTLAUD 0
		THRESH:	2500

OBSERVER: S. SKEHAN - CH2M HILL <DFB>
 LOGGED UNDER STATIC CONDITIONS ON 12 14" MUDDIED PILOT HOLE
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





BHC SONIC
VDL

COMPANY YOUNGQUIST BROTHERS INC.
WELL MN-2
FIELD PORT EVERGLADES
COUNTY BROWARD STATE FLORIDA
LOCATION _____ OTHER SERVICES:
DIL
FLOWMETER

PERMANENT DATUM PAD _____ ELEV. _____
LOG MEASURED FROM PAD _____ F. ABOVE PERMANENT DATUM
DATE _____ DATE _____
LOG MEASURED FROM PAD _____ F. ABOVE PERMANENT DATUM
DILLING MEASURED FROM _____ F. ABOVE PERMANENT DATUM

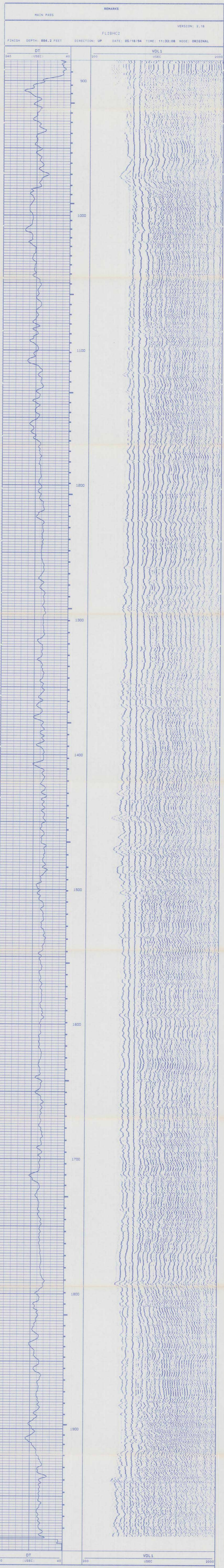
DATE 18-MAY-94
RUN NO. _____
TIME _____
DEPTH-LOG _____
DEPTH-LOGGERS _____
LOGGED INTERVAL 1990' TO 900'
OPERATING RIG TIME 1 HRS
TYPE FLUID IN HOLE MATER
SALINITY, PPM CL _____
DENSITY-VISCOSITY _____
FOUL _____

MAJOR LOGS _____
L.V.S.C. TEMP. REG. F. _____
EQUIPMENT-OCCATION 102/FTM
RECORDED BY VANSSOOL
WITNESSED BY SEHMAN

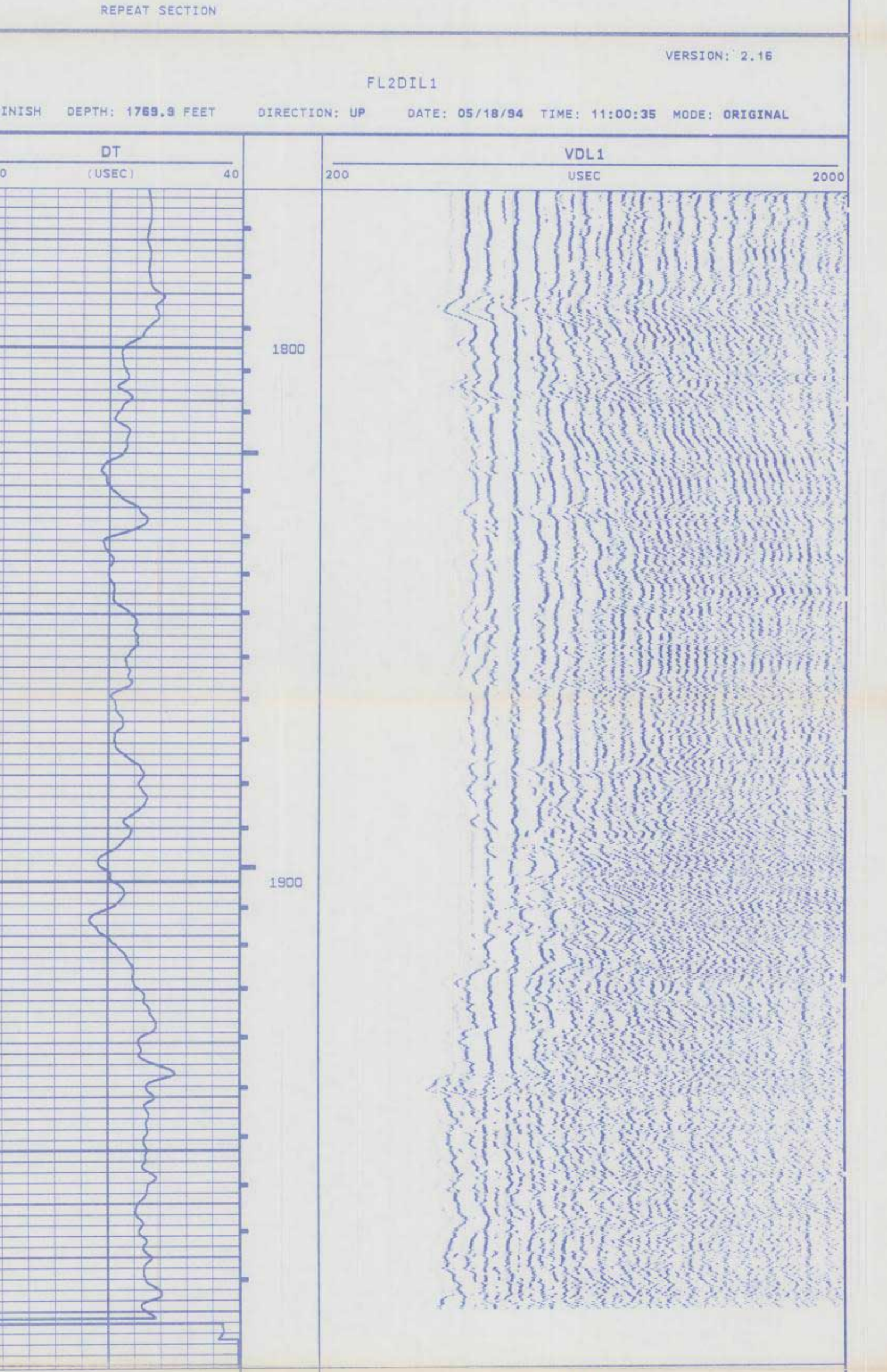
ROTHOLE RECORD
NO. _____ FROM _____ TO _____
DIE 12 1/4" CSIG 2000' SIZE _____
BIT _____ LOG. _____
5" MT. _____
300' _____
TO _____

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
MAIN PASS
FL2BHC2
FINISH DEPTH: 884.2 FEET DIRECTION: UP DATE: 05/18/94 TIME: 11:32:08 MODE: ORIGINAL
DT (USEC) 240 40
VDL1 (USEC) 200 2000
VERSION: 2.16



START DEPTH: 1989.9 FEET DIRECTION: UP DATE: 05/18/94 TIME: 11:02:21 MODE: ORIGINAL
FL2BHC2
VERSION: 2.16

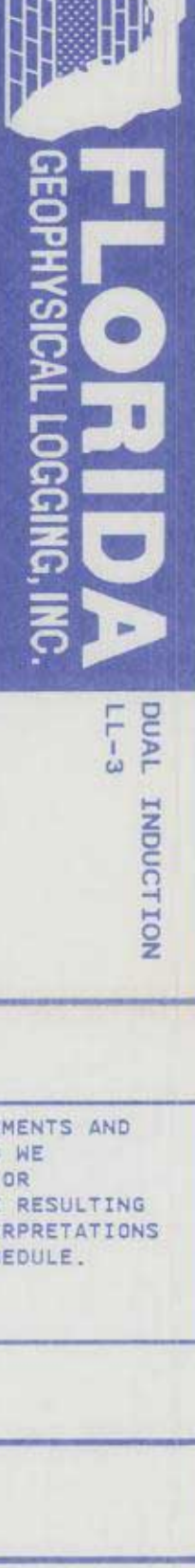


REPEAT SECTION
FL2DIL1
FINISH DEPTH: 1789.9 FEET DIRECTION: UP DATE: 05/18/94 TIME: 11:00:35 MODE: ORIGINAL
DT (USEC) 240 40
VDL1 (USEC) 200 2000
VERSION: 2.16

START DEPTH: 1989.0 FEET DIRECTION: UP DATE: 05/18/94 TIME: 10:53:50 MODE: ORIGINAL
FL2DIL1
VERSION: 2.16

COMPANY YOUNGQUIST BROTHERS INC.
PORT EVERGLADES
WELL MN-2
FIELD FT LAUDERDALE STATE FLORIDA

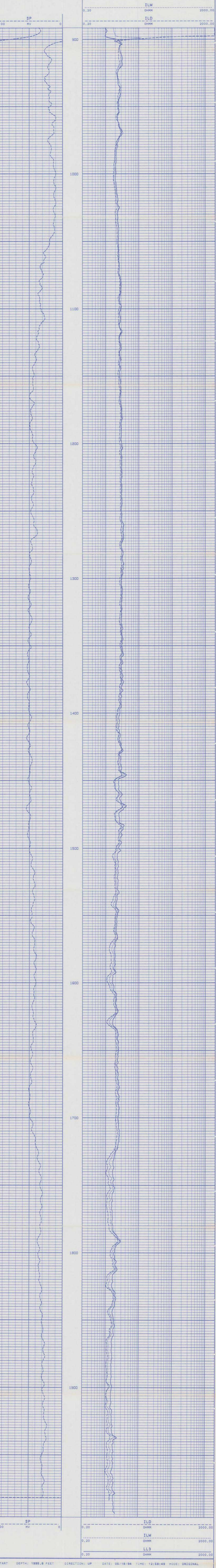




DUAL INDUCTION
LL-3

COMPANY: YOUNQUIST BROTHERS, INC.	WELL: MM-2	FIELD: PORT EVERGLADES	STATE: FLORIDA
LOCATION: BROWARD	OTHER SERVICES: BHC SONIC FLOWMETER	DATE: 05/18/94	TIME: 13:25:35
PERMANENT DATUM: PAD	LOG MEASURED FROM: PAD	DRILLING MEASURED FROM: PAD	DEPTH-DRILLER: 2000'
DATE: 05/18/94	DEPTH-LOGGER: 1986'	LOGGED INTERVAL: 1986' TO 900'	OPERATING TIME: 1 HRS
TYPE FLUID IN HOLE: WATER	TEMPERATURE: 9.0	DENSITY: 85	LEVEL: FULL
MAX. REC. TEMP.: DEG. F.	EQUIPMENT-LOCATION: VANESSOL	RECORDED BY: SHERMAN	MEASURED BY: SHERMAN
RUN NO.: 13	LOG NO.: 2000'	SIZE: 2 1/2"	CASING RECORD TO: 10'
ONE: 13	CSG: 1/4"	5' WF: 500'	SURF: 10'

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MASTER CALIBRATION SUMMARY

FILE: DATE: 05/18/94 TIME: 12:36 VERSION: 2.16

ILD PENGO						
	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION
LOOP OPEN	44.9	MV	2.0	1.3	3.7	0.78
LOOP CLOSED	659.5	MV	350.0	349.6	350.7	0.42

ILM PENGO						
	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION
LOOP OPEN	57.9	MV	2.0	1.0	3.0	0.44
LOOP CLOSED	787.1	MV	482.0	480.7	483.1	0.67

LL3 PENGO						
	MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION
INTERNAL ZERO	66.2	MV	2.0	1.9	2.1	0.05
INTERNAL CAL.	442.9	MV	250.0	249.7	250.3	0.00

COMPANY: YOUNQUIST BROTHERS, INC.

PORT EVERGLADES

WELL: MM-2

FIELD: FT LAUDERDALE STATE: FLORIDA



TEMPERATURE FLUID RESISTIVITY

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MW - 2

<p>COMPANY : CITY OF FT LAUDERDALE WELL : MW - 2 LOCATION/FIELD : PORT EVERGLADES COUNTY : BROWARD STATE : FL SECTION : 14</p>	<p>TOWNSHIP : 50S RANGE : 42E</p>	<p>OTHER SERVICES: CALIPER LSN ELEC GAMMA, SP</p>
<p>DATE : 04/23/94 DEPTH DRILLER : 1850 LOG BOTTOM : 1848.50 LOG TOP : 886.50</p>	<p>PERMANENT DATUM : PL ELEV. PERM. DATUM: LOG MEASURED FROM: PL DRL MEASURED FROM: PL</p>	<p>ELEVATIONS KB : DF : 8 FT GL :</p>
<p>CASING DRILLER : 900 CASING TYPE : STEEL CASING THICKNESS: .5</p>	<p>LOGGING UNIT : 1 FIELD OFFICE : DFB RECORDED BY : M. SCHILLING</p>	
<p>BIT SIZE : 12.25 MAGNETIC DECL. : 7.5 MATRIX DENSITY : 2.68 FLUID DENSITY : 1.0 NEUTRON MATRIX : LIMESTONE</p>	<p>BOREHOLE FLUID : WATER RM : 0 RM TEMPERATURE : 0 MATRIX DELTA T : 57 FLUID DELTA T : 210</p>	<p>FILE : ORIGINAL TYPE : 9040A LOG : 1 PLOT : MARK 5 THRESH: 2500</p>

REMARKS :
 OBSERVER: J. SCHWARTZENTRUBER - YOUNGQUIST BROTHERS
 LOGGED UNDER STATIC CONDITIONS ON 12 1/4-INCH PILOT HOLE
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

CHART NO. WO
TEXAS INSTRUMENTS INCORPORATED, HOUSTON, TEXAS, U.S.A.

