

**Report: Collier County North County Regional Water Treatment Plant Geophysical Logs,
Appendix 1, Volume 3**

Well	Log Name	Date	Depths	
			Bottom	Top
CO-2318	Temperature	07/11/1992	0000	0405
	XY Caliper, Gamma Ray	08/02/1992	0425	0910
	Temperature	08/13/1992	0001	0888
	Sonic Bond, VDL	08/13/1992	0025	0822
	Temperature	10/04/1992	0850	1827
	XY Caliper, Gamma Ray	10/04/1992	0880	1827
	Flowmeter	10/04/1992	0890	1820
	Temperature	10/09/1992	0800	1760
	Sonic Bond	10/09/1992	0850	1755
	Flowmeter	10/15/1992	1750	1926
	XY Caliper, Gamma Ray	10/15/1992	1800	1926
	Temperature	10/15/1992	1700	1926



TEMPERATURE

COMPANY YOUNGQUIST BROTHERS DRILLING CO. INC.

WELL MONITOR WELL CO-2318

FIELD NCRWPT

COUNTY COLLIER STATE FLORIDA

LOCATION _____ OTHER SERVICES: _____

SEC. _____ TWP 48S RGE 26E

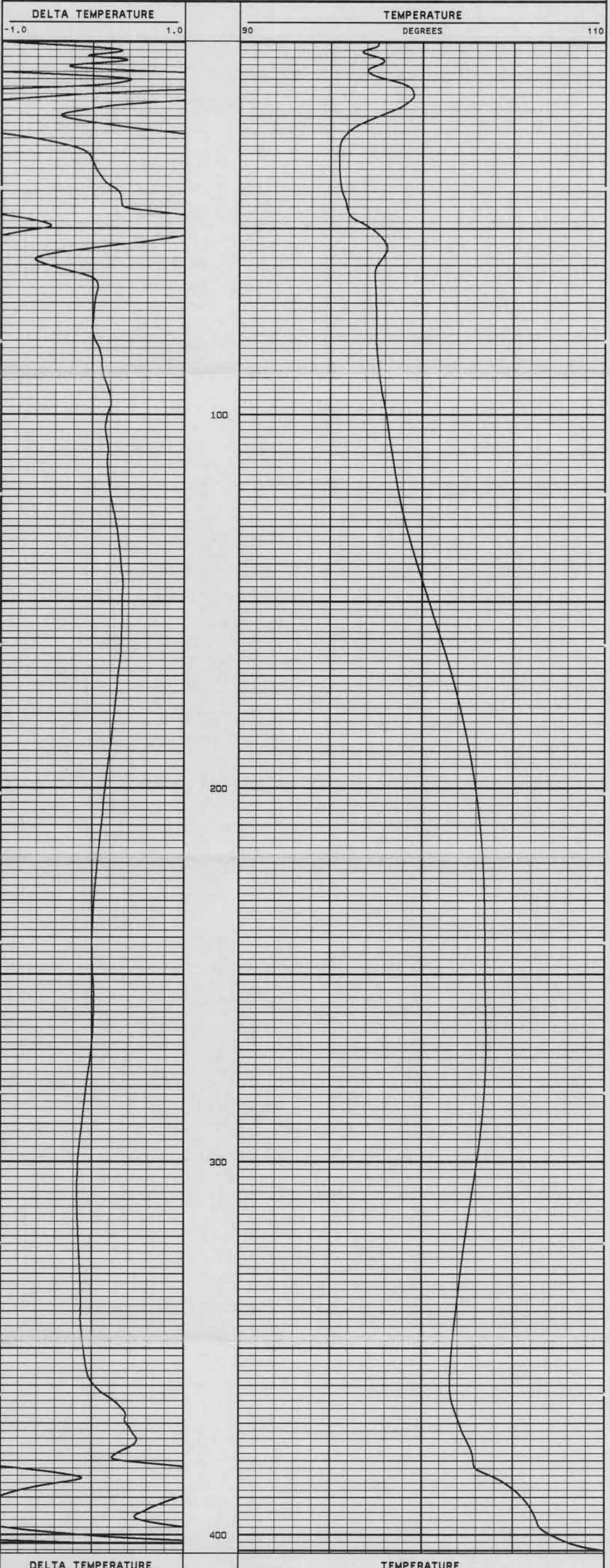
PERMANENT DATUM GL _____ ELEV. _____ FT. ABOVE PERMANENT DATUM
 LOG MEASURED FROM GL _____ ELEV. _____ D.F. _____
 DRILLING MEASURED FROM GL _____ G.L. _____

DATE	07/11/92	
RUN NO.	1	
TYPE LOG	TEMPERATURE	
DEPTH-DRILLER	430	
DEPTH-LOGGER	405	
LOGGED INTERVAL	405	TO 0
OPERATING RIG TIME		
TYPE FLUID IN HOLE	WATER	
SALINITY, PPM CL		
DENSITY-VISCOSITY		
LEVEL	FULL	
MAX. REC. TEMP. DEG F.		
EQUIPMENT-LOCATION	POMPANO BEACH	
RECORDED BY	SALVO	
WITNESSED BY	G KENNEDY	
BOREHOLE RECORD		
RUN NO.	BIT	FROM
	TO	SIZE
CASING RECORD		
	FROM	TO

VERSION: 1.70

N1

FINISH DEPTH: 405.8 FEET DIRECTION: DOWN DATE: 07/11/92 TIME: 13:41 MODE: TRACE PLAYBACK



START DEPTH: 0.0 FEET DIRECTION: DOWN DATE: 07/11/92 TIME: 13:30 MODE: TRACE PLAYBACK

N1

VERSION: 1.70

COMPANY YOUNGQUIST BROTHERS DRILLING CO. INC.
 WELL MONITOR WELL CO-2318
 FIELD COLLIER CO. STATE FLORIDA





XY CALIPER
GAMMA RAY

COMPANY YOUNGQUIST BROTHERS DRILLING CO., INC.

WELL MONITOR WELL CO-2318

FIELD NCRMP1

COUNTY COLLIER

LOCATION STATE FLORIDA

OTHER SERVICES:

FILE NO. _____
SEC. 35 TWP. 48S RGE. 26E

PERMANENT DATUM GL _____ ELEV. _____
LOG MEASURED FROM GL _____ FT. ABOVE PERMANENT DATUM
DRILLING MEASURED FROM GL _____ ELEV. _____
D.F. _____
G.L. _____

DATE 08/02/92

RUN NO. 1

TYPE LOG XY CAL GR

DEPTH-DRILLER 913

DEPTH-LOGGER 910

LOGGED INTERVAL 910 TO 425

OPERATING RIG TIME WATER

TYPE FLUID IN HOLE WATER

SALINITY, PPM CL FULL

DENSITY-VISCOSITY FULL

MAX. REC. TEMP. DEG F. _____

EQUIPMENT-LOCATION POMPANO BEACH

RECORDED BY SALVO

WITNESSED BY J. BRELAND

BOREHOLE RECORD

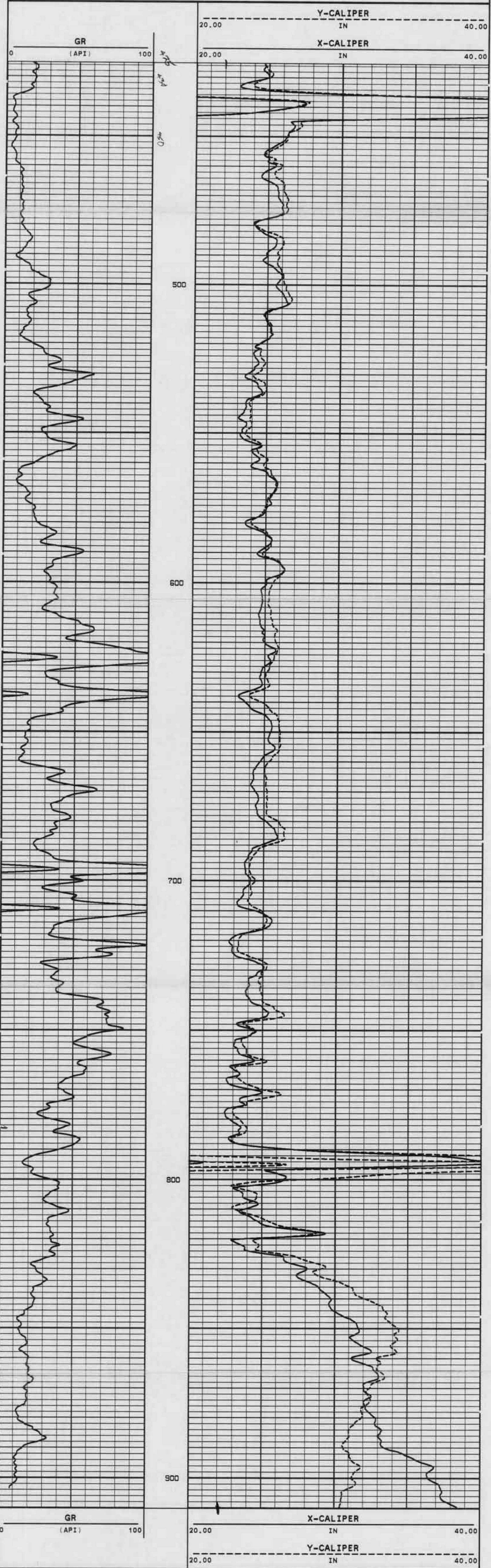
CASING RECORD

RUN NO. BIT FROM TO SIZE MGT. FROM TO

VERSION: 1.70

N9

FINISH DEPTH: 425.0 FEET DIRECTION: UP DATE: 08/02/92 TIME: 12:17



START DEPTH: 910.0 FEET DIRECTION: UP DATE: 08/02/92 TIME: 12:15

N9

VERSION: 1.70

COMPANY YOUNGQUIST BROTHERS DRILLING CO., INC.
WELL MONITOR WELL CO-2318
FIELD COLLIER CO. STATE FLORIDA





SONIC BOND
V D L

COMPANY: YOUNGQUIST BROTHERS DRILLING CO. INC.
WELL: MONITOR WELL CO-2318

FIELD: NCRHPT
COUNTY: COLLIER
LOCATION: STATE FLORIDA
OTHER SERVICES:

FILE NO.
SEC: 35 TWP: 48S RGE: 26E
PERMANENT DATUM: BL ELEV: _____
LOG MEASURED FROM: BL FT. ABOVE PERMANENT DATUM: _____
DATE: 08/13/92
DRILLING MEASURED FROM: BL D.F.: _____
G.L.: _____

DATE: 08/13/92
RUN NO.: 1
TYPE LOG: SONIC BOND VDL
DEPTH-BRILLER: 913
DEPTH-LOGGER: 826 TO 25
LOGGED INTERVAL: TO
OPERATING RIG TIME: WATER
TYPE FLUID IN HOLE: WATER
SALINITY: PPM CL: FULL
DENSITY-VISCOSSITY: FULL
LEVEL: FULL
MAX. REC. TEMP. DEG. F.: _____
EQUIPMENT-LOCATION: POMPANO BEACH
RECORDED BY: SALVO
WITNESSED BY: G. KENNEDY

BOREHOLE RECORD

CASING RECORD

BIT FROM TO SIZE

MON. FROM TO

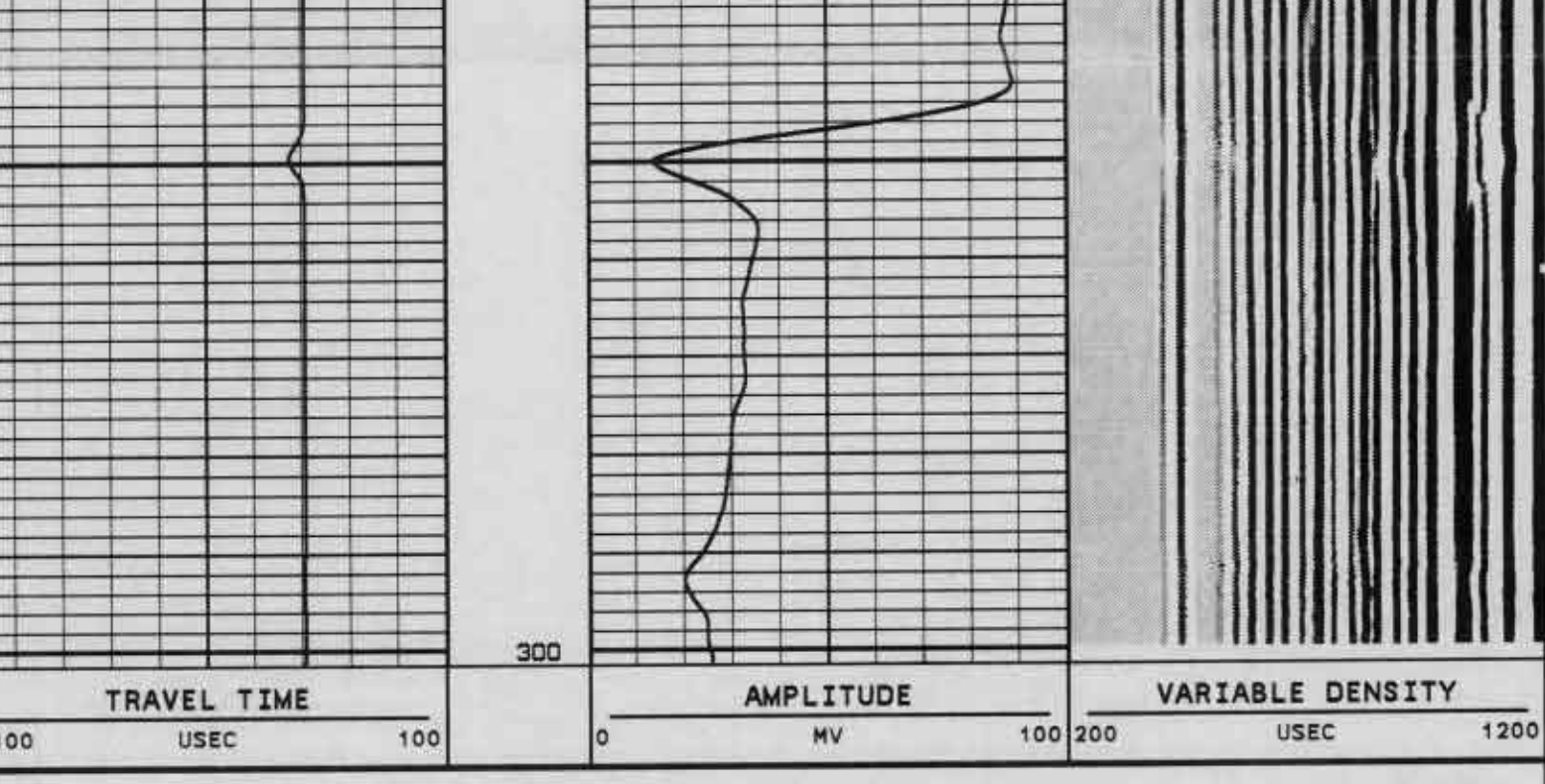
REPEAT

REMARKS

VERSION: 1.70

NM18

FINISH DEPTH: 196.7 FEET DIRECTION: UP DATE: 08/13/92 TIME: 18:40 MODE: TRACE PLAYBACK



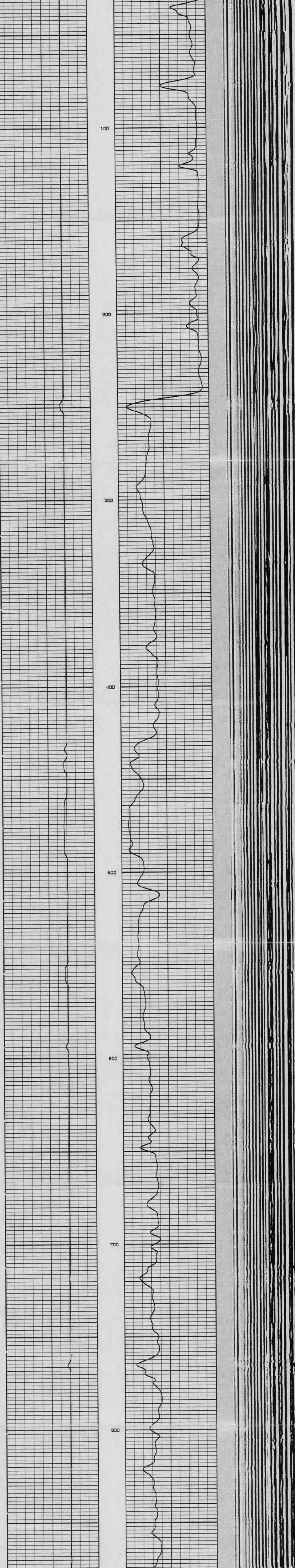
START DEPTH: 300.1 FEET DIRECTION: UP DATE: 08/13/92 TIME: 18:38 MODE: TRACE PLAYBACK

NM18

VERSION: 1.70

NM17

FINISH DEPTH: 21.0 FEET DIRECTION: UP DATE: 08/13/92 TIME: 18:33 MODE: TRACE PLAYBACK



START DEPTH: 881.8 FEET DIRECTION: UP DATE: 08/13/92 TIME: 18:11 MODE: TRACE PLAYBACK

NM17

VERSION: 1.70

COMPANY: YOUNGQUIST BROTHERS DRILLING CO. INC.

WELL: MONITOR WELL CO-2318

FIELD: COLLIER CO. STATE: FLORIDA





TEMPERATURE

COMPANY YOUNGQUIST BROTHERS DRILLING CO. INC.

WELL MONITOR WELL CO-2318

FIELD NCHMPT

COUNTY COLLIER

LOCATION STATE FLORIDA

OTHER SERVICES:

SEC. 35 TWP. 48S RGE. 26E

PERMANENT DATUM BL. ELEV. K.B.

LOG MEASURED FROM BL. FT. ABOVE PERMANENT DATUM ELEV. O.F.

DRILLING MEASURED FROM BL. G.L.

DATE 10/04/92

RUN NO. 1

TYPE LOG TEMPERATURE

DEPTH-DRILLER 1830

DEPTH-LOGGER 1827

LOGGED INTERVAL 1827 TO 850

OPERATING RIG TIME

TYPE FLUID IN HOLE WATER

SALINITY, PPM CL.

DENSITY-VISCOSITY

LEVEL FULL

MAN. REC. TEMP. DEG. F. POMPANO BEACH

EQUIPMENT-LOCATION SALVO

RECORDED BY G. KENNEDY

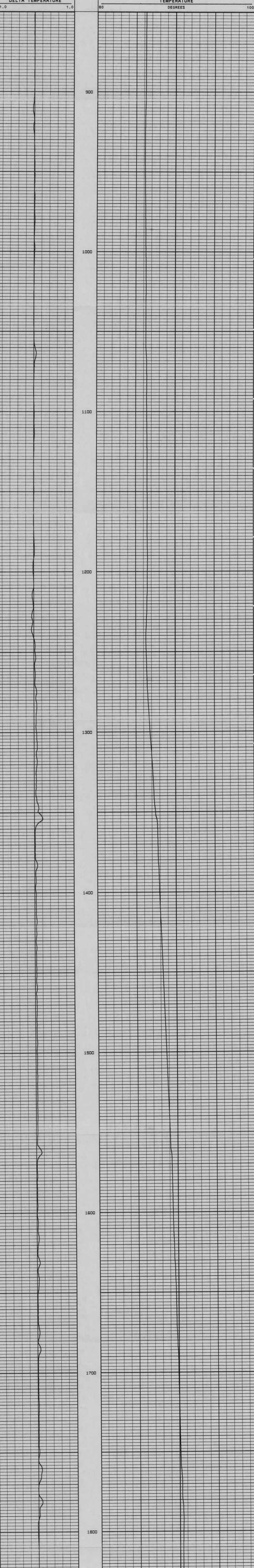
WITNESSED BY

BOREHOLE RECORD

RUN NO. BIT FROM TO SIZE HGT. FROM 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.

VERSION: 1.70
NM20
FINISH DEPTH: 1827.8 FEET DIRECTION: DOWN DATE: 10/04/92 TIME: 18:25 MODE: TRACE PLAYBACK



START DEPTH: 849.7 FEET DIRECTION: DOWN DATE: 10/04/92 TIME: 18:01 MODE: TRACE PLAYBACK
NM20
VERSION: 1.70

COMPANY YOUNGQUIST BROTHERS DRILLING CO. INC.
WELL MONITOR WELL CO-2318
FIELD COLLIER CO. STATE FLORIDA





XY CALIPER
GAMMA RAY

COMPANY YOUNGQUIST BROTHERS DRILLING CO., INC.

WELL MONITOR WELL CO-2318

FIELD NCRMP

COUNTY COLLIER STATE FLORIDA

LOCATION OTHER SERVICES:

SEC. 35 TWP. 48S RGE. 26E

PERMANENT DATUM GL ELEV. FT. ABOVE PERMANENT DATUM

LOG MEASURED FROM GL ELEV. X, Y, Z

DRILLING MEASURED FROM GL G.L.

DATE 10/04/92

RUN NO. XY CAL GR

DEPTH-DRILLER 1830

LOGGED INTERVAL 1827 TO 880

OPERATING RIG TIME TO

TYPE FLUID IN HOLE WATER

SALINITY, PPM CL

DENSITY-VISCOSITY

LEVEL FULL

MAX. REC. TEMP. DEG. F. POMPANO BEACH

EQUIPMENT-LOCATION SALVO

RECORDED BY G. KENNEDY

WITNESSED BY

BOREHOLE RECORD

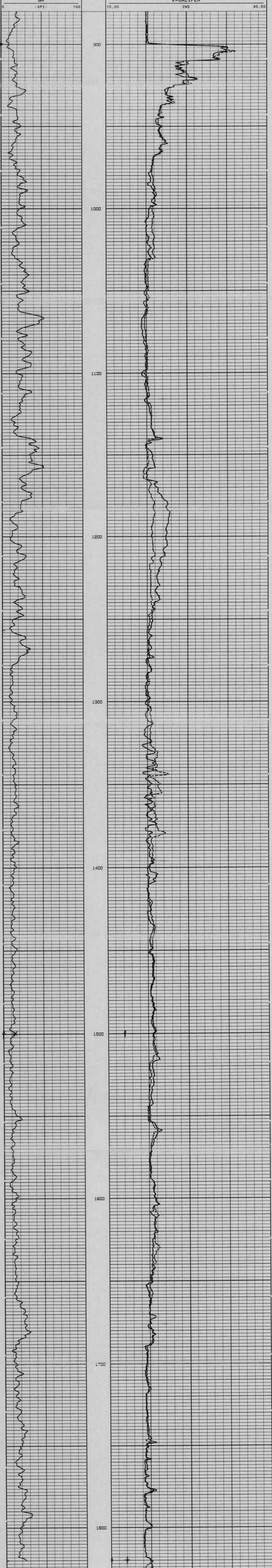
RUN NO. BIT FROM TO SIZE MOT. FROM SURFACE TO

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 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 SET OUT IN OUR CURRENT PRICE SCHEDULE.

VERSION: 1.70

NM19

FINISH DEPTH: 879.7 FEET DIRECTION: UP DATE: 10/04/92 TIME: 08:08 MODE: RECOMPUTE



START DEPTH: 1827.0 FEET DIRECTION: UP DATE: 10/04/92 TIME: 08:40 MODE: RECOMPUTE

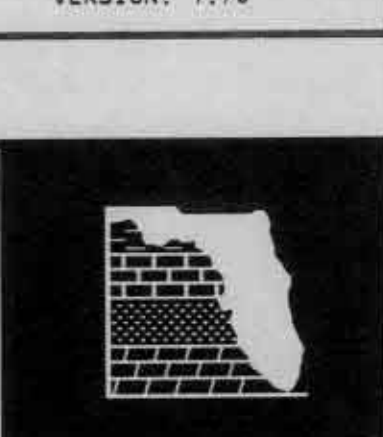
NM19

VERSION: 1.70

COMPANY YOUNGQUIST BROTHERS DRILLING CO., INC.

WELL MONITOR WELL CO-2318

FIELD COLLIER CO. STATE FLORIDA





FLORIDA
 GEOPHYSICAL LOGGING, INC.

FLOWMETER

COMPANY: YOUNGQUIST BROTHERS DRILLING CO. INC.
 WELL: MONITOR WELL CO-2318

FIELD: NCRMP1
 COUNTY: COLLIER

STATE: FLORIDA
 LOCATION: STATE FLORIDA

OTHER SERVICES:

FILE NO. _____
 SEC. 35 TWP. 48S RGE. 28E
 PERMANENT DATUM: BL ELEV. _____
 LOG MEASURED FROM: BL FT. ABOVE PERMANENT DATUM: _____
 DRILLING MEASURED FROM: BL ELEV. _____
 DATE: 10/04/92

RUN NO. 1
 TYPE LOG: FLOWMETER
 DEPTH-DRILLER: 1830
 DEPTH-LOGGER: 1820 TO 890
 LOGGED INTERVAL: 1820 TO 890

OPERATING RIG TIME: _____
 TYPE FLUID IN HOLE: WATER
 SALINITY, PPM CL: _____
 DENSITY-VISCOSITY: _____

LEVEL: FULL
 MAX. REC. TEMP. DEG. F.: _____
 EQUIPMENT-LOCATION: POMPAHO BEACH
 RECORDED BY: SALVO
 WITNESSED BY: G. KENNEDY

BOREHOLE RECORD: _____
 FROM: _____ TO: _____
 CASING RECORD: _____
 FROM: _____ TO: _____

RUN NO. _____
 BIT: _____
 FROM: _____ TO: _____
 SIZE: _____
 MFT. FROM: _____ TO: _____

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FILE HISTORY

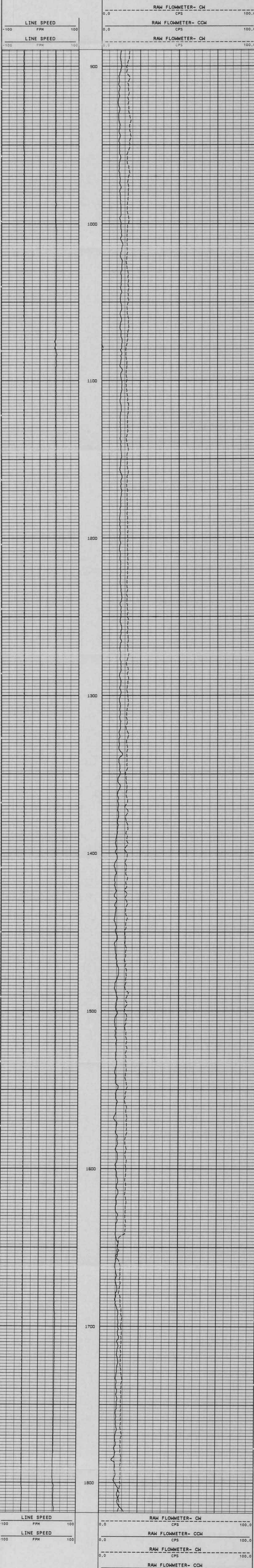
FILE NAME	DATE	START	STOP	START	STOP	DEPTH	SHIFT	TYPE	DIR	SOURCE	PASS IDENTIFIER
NM21	10/04/92	16:52	17:16	850.2	1825.0	0.0	TRACE	DOWN		AT+	
NM22	10/04/92	17:25	17:52	1820.4	847.0	0.0	TRACE	UP		AT+	

REMARKS

DASHED CURVE DOWN RUN

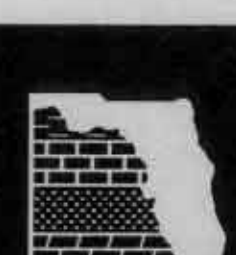
VERSION: 1.70

FINISH DEPTH: 814.6 FEET DIRECTION: UP DATE: 10/04/92 TIME: 17:57 MODE: TRACE PLAYBACK



START DEPTH: 1820.0 FEET DIRECTION: UP DATE: 10/04/92 TIME: 17:56 MODE: TRACE PLAYBACK VERSION: 1.70

COMPANY: YOUNGQUIST BROTHERS DRILLING CO. INC.
 WELL: MONITOR WELL CO-2318
 FIELD: COLLIER CO. STATE: FLORIDA



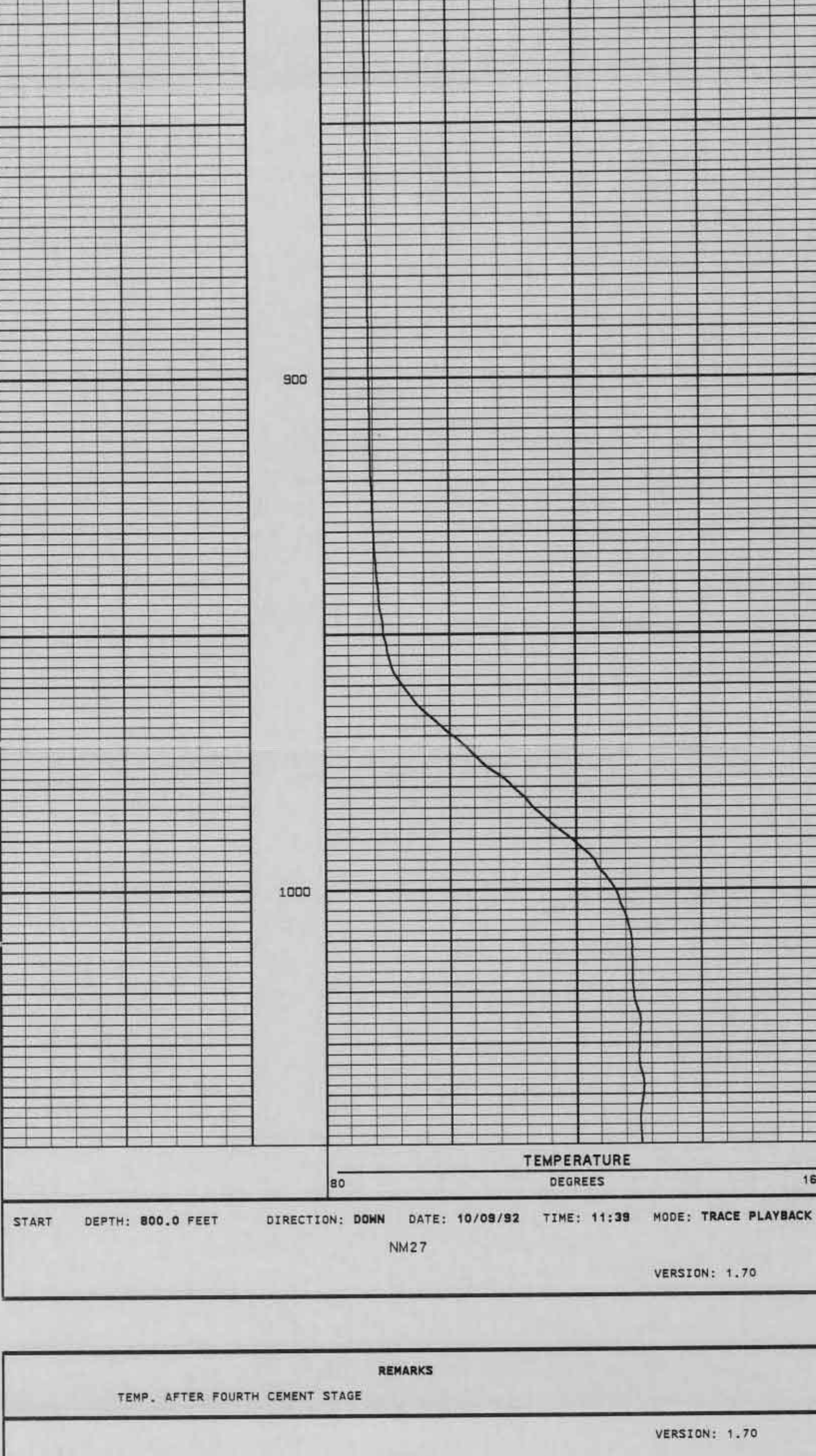


COMPANY: YOUNGQUIST BROTHERS DRILLING CO., INC.
 WELL: MONITOR WELL CO-2318
 FIELD: NCRAPT COUNTY COLLIER STATE FLORIDA
 LOCATION: STATE FLORIDA
 OTHER SERVICES:
 FILE NO.:
 SEC. 35 TWP. 48S RGE. 26E
 PERMANENT DATUM: BL. ELEV. K.B. G.L.
 LOG MEASURED FROM: BL. FT. ABOVE PERMANENT DATUM
 DATE AND MEASURED FROM: G.L.
 RUN NO. 1 TEMPERATURE
 TIME LOG
 DEPTH-DRILLER 1827
 DEPTH-LOGGER 1760 TO 800
 LOGGED INTERVAL 1760 TO 800
 OPERATING RIG TIME WATER
 TYPE FLUID IN HOLE
 DENSITY-VISCOSITY
 LEVEL FULL
 MAX. REC. TEMP. DEG. F. POMPANO BEACH
 EQUIPMENT-LOCATION SALVO
 RECORDED BY G. KENNEDY
 WITNESSED BY
 BOREHOLE RECORD
 BIT FROM TO SIZE CASTING RECORD FROM TO

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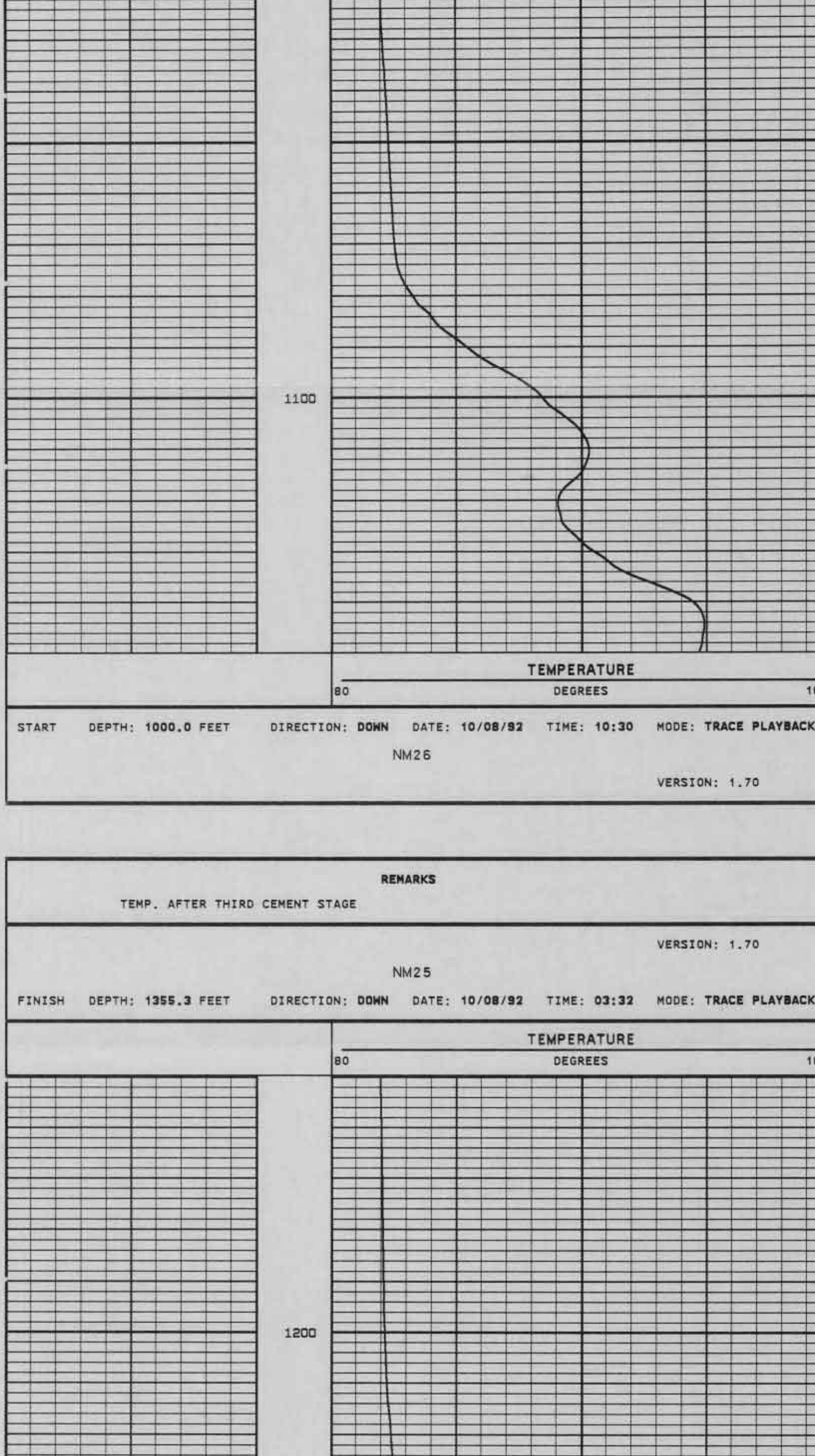
REMARKS: TEMP. AFTER FIFTH CEMENT STAGE

VERSION: 1.70
 NM27
 FINISH DEPTH: 1074.7 FEET DIRECTION: DOWN DATE: 10/08/92 TIME: 11:46 MODE: TRACE PLAYBACK



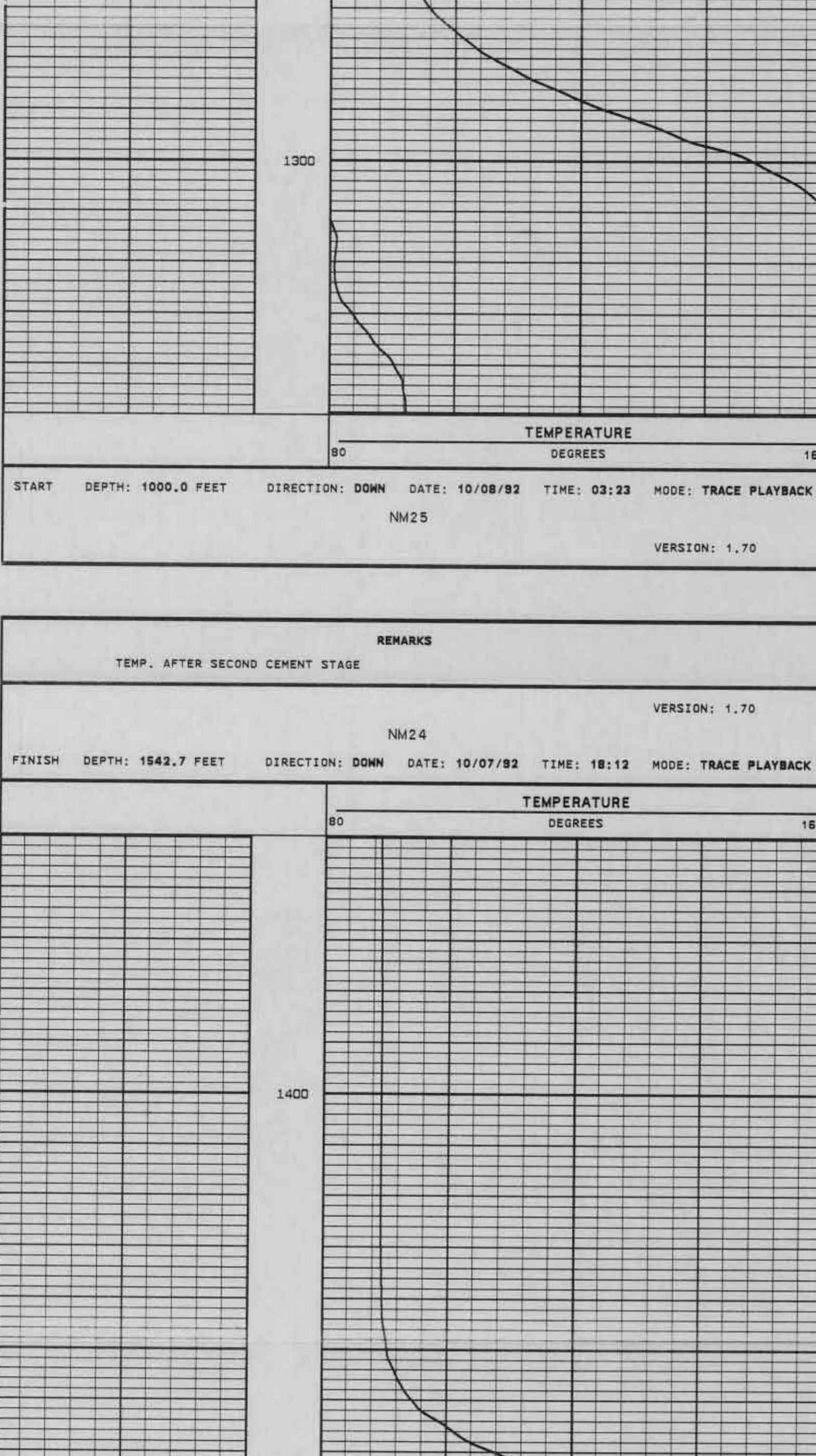
REMARKS: TEMP. AFTER FOURTH CEMENT STAGE

VERSION: 1.70
 NM26
 FINISH DEPTH: 1155.2 FEET DIRECTION: DOWN DATE: 10/08/92 TIME: 10:35 MODE: TRACE PLAYBACK



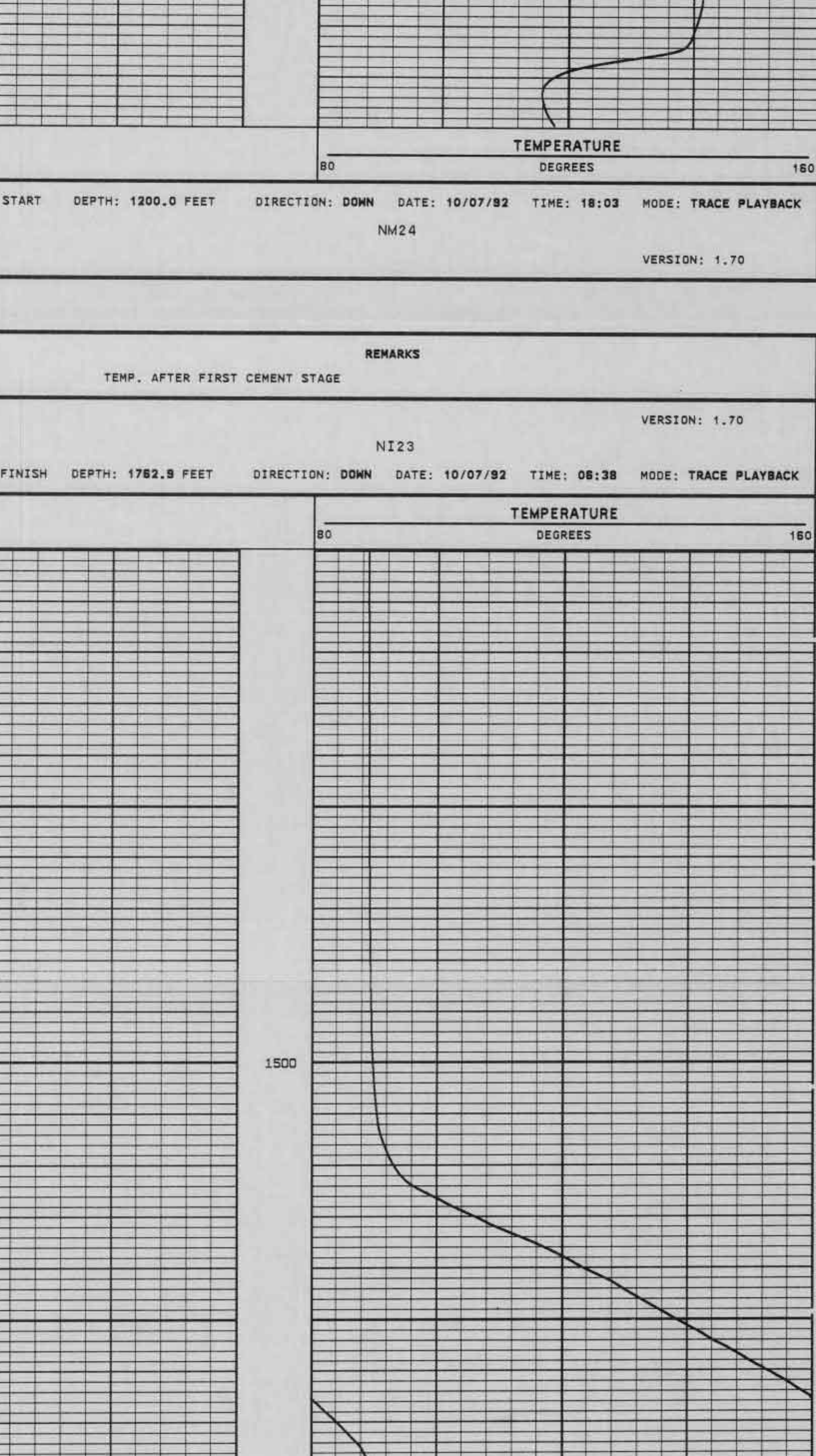
REMARKS: TEMP. AFTER THIRD CEMENT STAGE

VERSION: 1.70
 NM25
 FINISH DEPTH: 1355.3 FEET DIRECTION: DOWN DATE: 10/08/92 TIME: 03:32 MODE: TRACE PLAYBACK



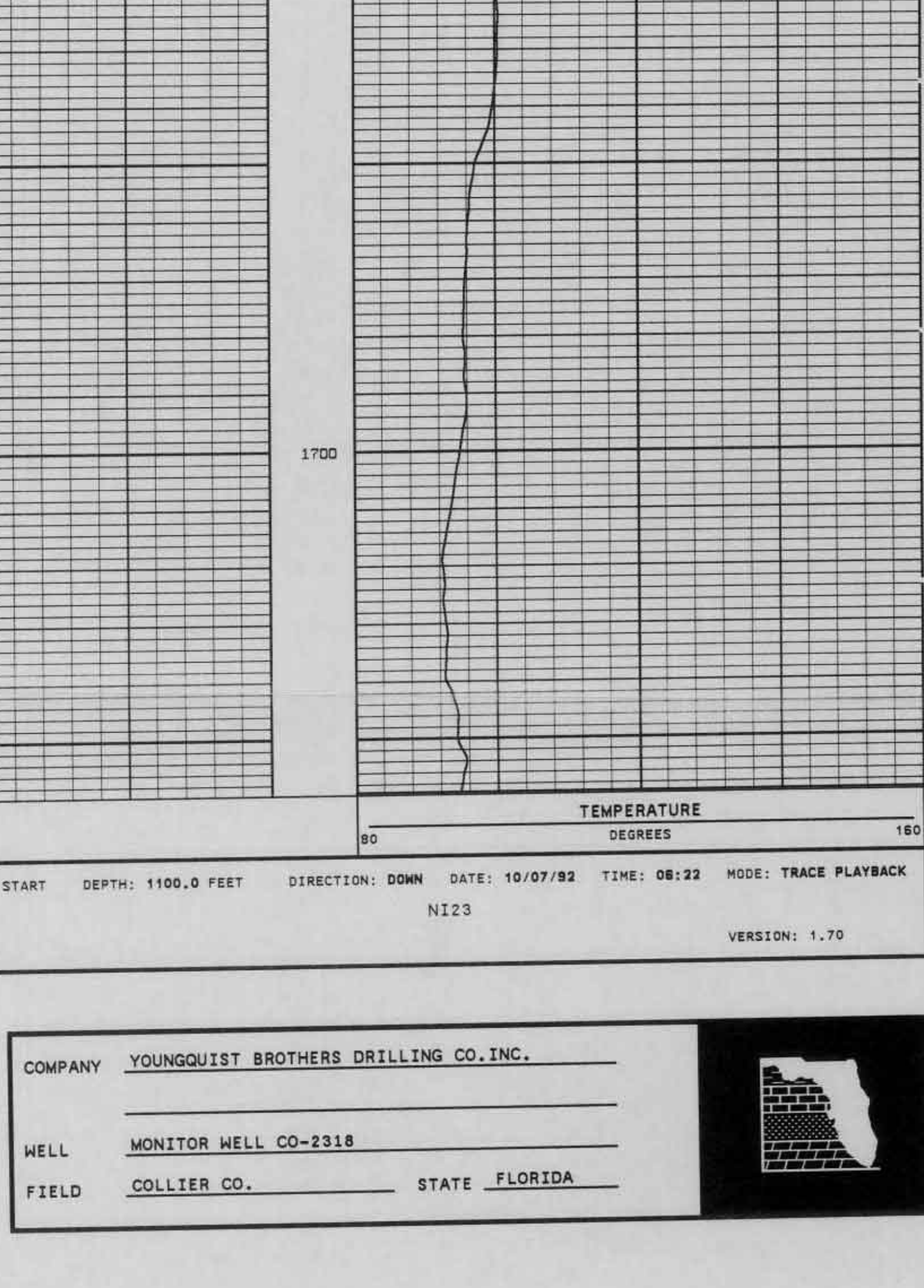
REMARKS: TEMP. AFTER SECOND CEMENT STAGE

VERSION: 1.70
 NM24
 FINISH DEPTH: 1642.7 FEET DIRECTION: DOWN DATE: 10/07/92 TIME: 18:12 MODE: TRACE PLAYBACK



REMARKS: TEMP. AFTER FIRST CEMENT STAGE

VERSION: 1.70
 NI23
 FINISH DEPTH: 1762.9 FEET DIRECTION: DOWN DATE: 10/07/92 TIME: 08:38 MODE: TRACE PLAYBACK



COMPANY: YOUNGQUIST BROTHERS DRILLING CO., INC.
 WELL: MONITOR WELL CO-2318
 FIELD: COLLIER CO. STATE FLORIDA



SONIC BOND

COMPANY YOUNGQUIST BROTHERS DRILLING CO., INC.

WELL MONITOR WELL CO-2318

FIELD NCRMP1

COUNTY COLLIER

LOCATION STATE FLORIDA

OTHER SERVICES:

SEC. 35 TWP. 48S RGE. 26E

PERMANENT DATUM BL. ELEV. _____

LOG MEASURED FROM BL. FT. ABOVE PERMANENT DATUM

DRILLING MEASURED FROM BL. ELEV. : K. R. _____

DATE 10/09/92

RUN NO. 1

TYPE LOG SONIC BOND

DEPTH-DRILLER 1825

DEPTH-LOGGER 1755 TO 850

LOGGED INTERVAL 1755 TO 850

OPERATING RIG TIME TO

TYPE FLUID IN HOLE WATER

SALINITY, PPM CL

DENSITY-VISCOSITY

LEVEL FULL

MAX. REC. TEMP. DEG. F. _____

EQUIPMENT-LOCATION POMPANO BEACH

RECORDED BY SALVO

WITNESSED BY C. HARRISON

BOREHOLE RECORD

RUN NO. BIT FROM TO SIZE CASING RECORD FROM TO

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COMPANY YOUNGQUIST BROTHERS DRILLING CO., INC.

WELL MONITOR WELL CO-2318

FIELD COLLIER CO. STATE FLORIDA





FLORIDA

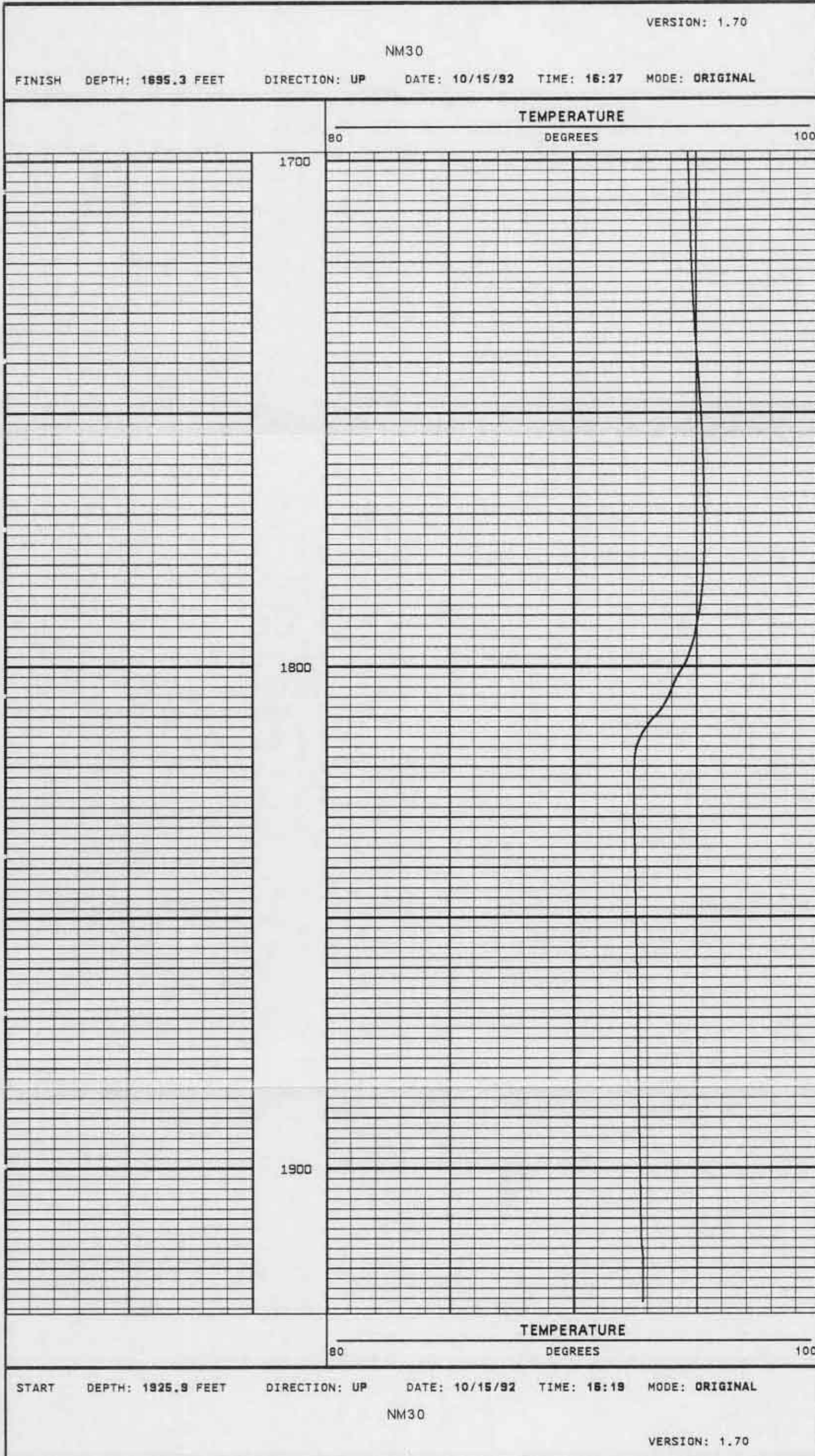
GEOPHYSICAL LOGGING, INC.

TEMPERATURE

COMPANY YOUNGQUIST BROTHERS DRILLING CO. INC.
 WELL MONITOR WELL CO-2318
 FIELD NCRWPT
 COUNTY COLLIER STATE FLORIDA
 LOCATION _____ OTHER SERVICES: _____
 SEC. 35 TWP. 48S RGE. 26E
 PERMANENT DATUM GL ELEV. _____
 LOG MEASURED FROM GL FT. ABOVE PERMANENT DATUM
 DRILLING MEASURED FROM GL ELEV. : K.B. _____
 DATE 10/15/92 D.F. _____
 RUN NO. 1 G.L. _____
 TYPE LOG TEMPERATURE
 DEPTH-DRILLER 1930
 DEPTH-LOGGER 1926
 LOGGED INTERVAL 1926 TO 1700 TO _____
 OPERATING RIG TIME _____
 TYPE FLUID IN HOLE WATER
 SALINITY, PPM CL _____
 DENSITY-VISCOSITY _____
 LEVEL FULL
 MAX. REC. TEMP. DEG. F. _____
 EQUIPMENT-LOCATION POMPANO BEACH
 RECORDED BY SALVO
 WITNESSED BY C. HARRISON

BOREHOLE RECORD		CASING RECORD					
RUN NO.	BIT	FROM	TO	SIZE	MGT.	FROM	TO

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COMPANY YOUNGQUIST BROTHERS DRILLING CO. INC.

WELL MONITOR WELL CO-2318

FIELD COLLIER CO. STATE FLORIDA

