

COMPUTALOG

SIMULTANEOUS TRIPLE
INDUCTION
STL LOG

COMP		PARAMOUNT RESOURCES LTD.	
WELL		PARA ET AL CAMTON H-03	
FIELD		ILLS	
PROVINCE		EST TERRITORIES	
LOCATION		H-03 60° 10', 117° 30'	
Perm. Datum		GROUND LEVEL Elev. 764.50 m	
Log measured from		KB, 4.47 m above	
Permanent Datum.			
Date		05-MAR-2002	
Run No.		ONE	
First Reading		1660.7 m	
Last Reading		423.0 m	
Meters Meas.		1235.6 m	
Depth Reached		1660.7 m	
Bot. Driller		1661.0 m	
CS9. Logger		423.0 m	
CS9. Driller		423.0 m	
Fluid Type		GEL CHEMICAL	
Dens. & Visc.		1120 75	
Mud pH		10.0	
Mud Water Loss		9.0	
Mud Res.		0.5 @ 16 °C	
Mud Res.		0.3 @ 43 °C	
Rmc		0.5 @ 15 °C	
Rmf @ 8HT		0.6 @ 16 °C	
Bit Size		222 mm	
Specing		N 4	
Operating Time		3.3 hrs.	
Unit #		130	
Location			
Recorded			
Title			
Other Services:		ELEV. K.B. 768.97 m	
SPED/CNT/GR/DAC		G.L. 764.50 m	
HRC MRT		CBF	

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		Rig: PRECISION #117		Service Order # 30010823	
Drilling Stopped 12:00/4th Circulation		Stopped 18:30/4th		Tool on Bottom 02:13/5th BHT 49 °C	
STI/GR/HBC/CAL LOGGED IN COMBINATION					
Prints: 2					
CHANGES IN MUD TYPE OR NEW SAMPLE			SCALE CHANGES		
Date	Sample No.		Type Log	Interval	Scale
Depth - Driller					
Type Fluid in Hole					
Dens.	Visc.				
pH	Water Loss				
Source of Sample			EQUIPMENT DATA		
Rin @ Meas. Temp.	@	°C	Run No.	Tool Type	Tool No. Other
Rmf @ Meas. Temp.	@	°C	ONE	STI-BA	185185 38mm STANDOFFS USED
Rinc @ Meas. Temp.	@	°C	ONE	UGR-JB	192 RA-20S-124
Source Rmf	Rmc				
Rin @ BHT	@	°C			
Rmf @ BHT	@	°C			
Rinc @ BHT	@	°C			

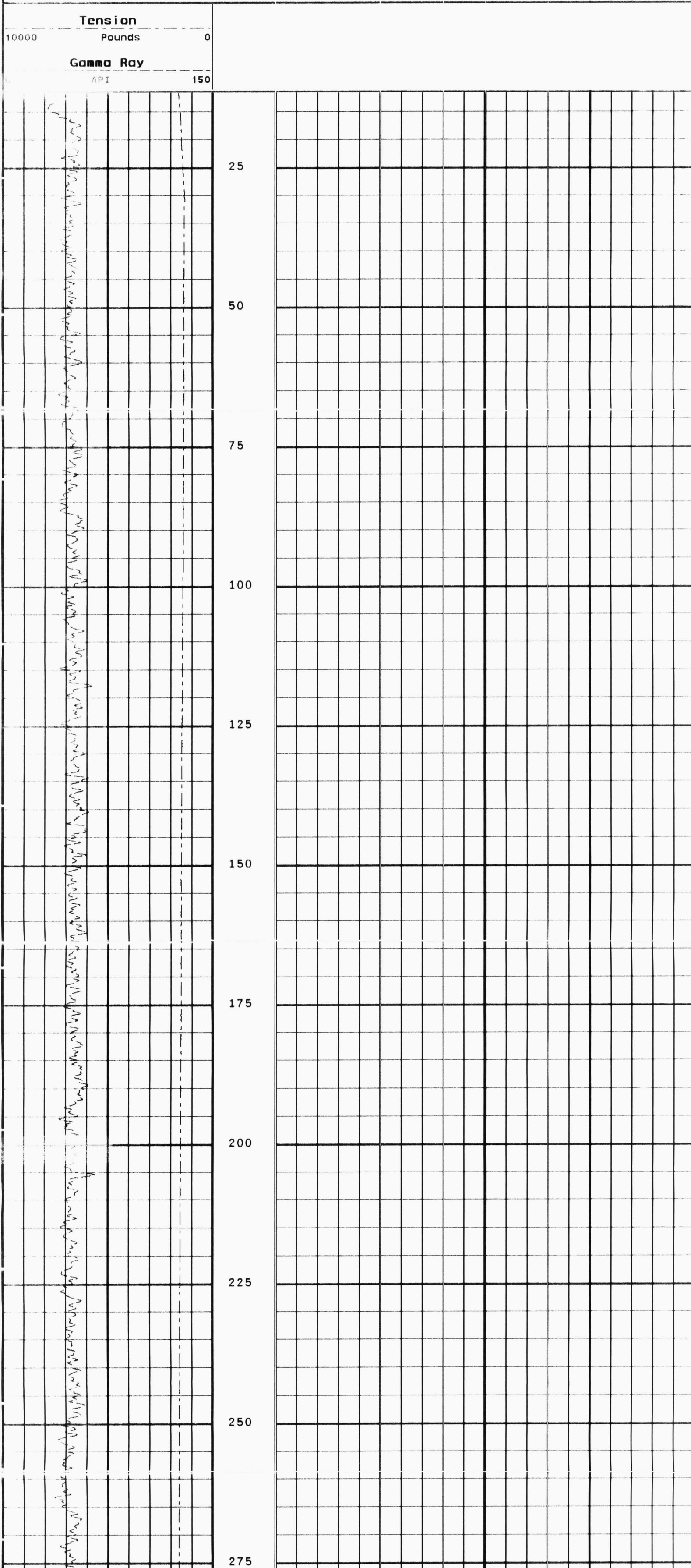
	REMARKS
MAIN PASS	
1:600 SCALE	
CONDUCTIVITY PRESENTATION	
GAMMA RAY TO GRASS ROOTS	

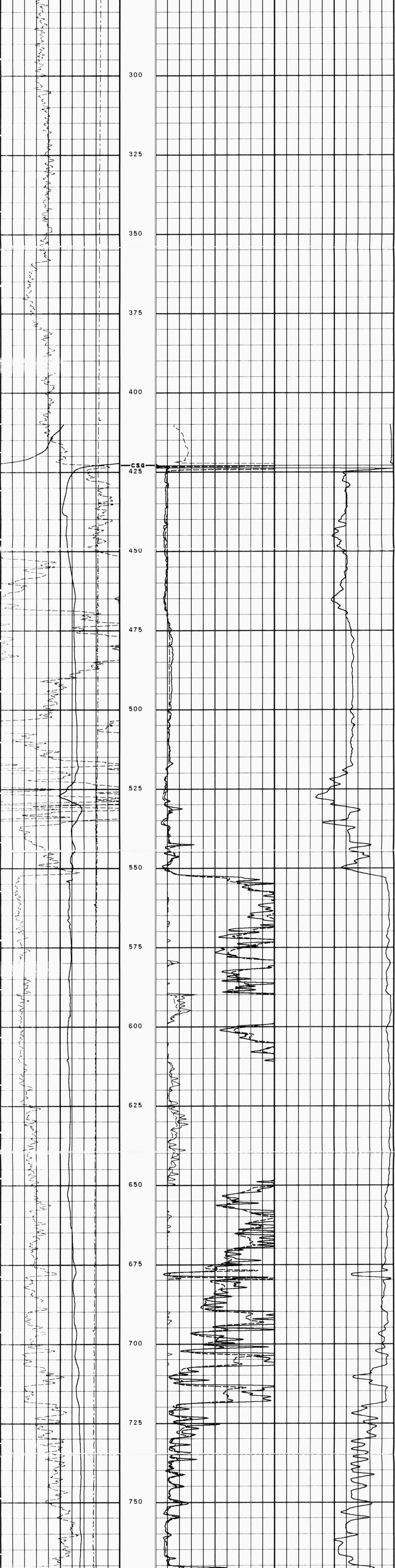
VERSION 2002.01.30.16

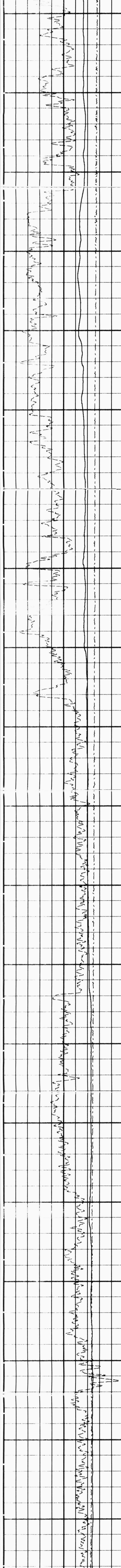
MAIN PASS

30010823 STIMP

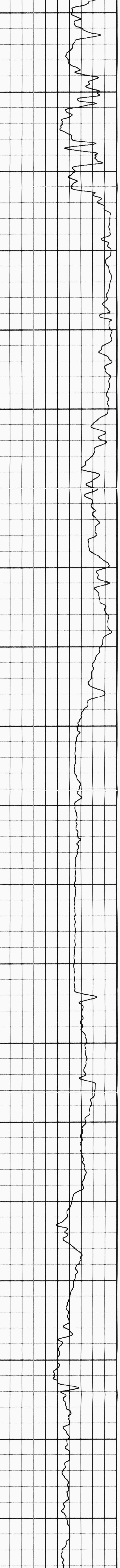
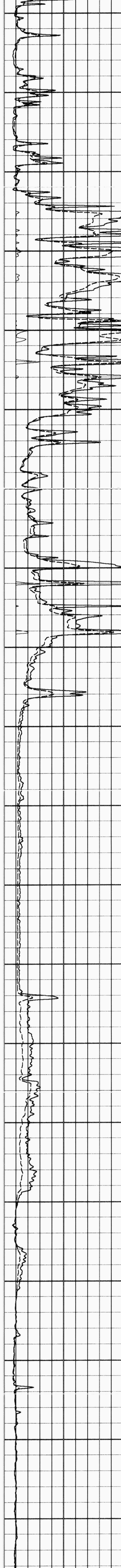
FINISH DEPTH: 0.0 Meters DIRECTION: UP DATE: TIME: MODE: TRACE PLAYBACK

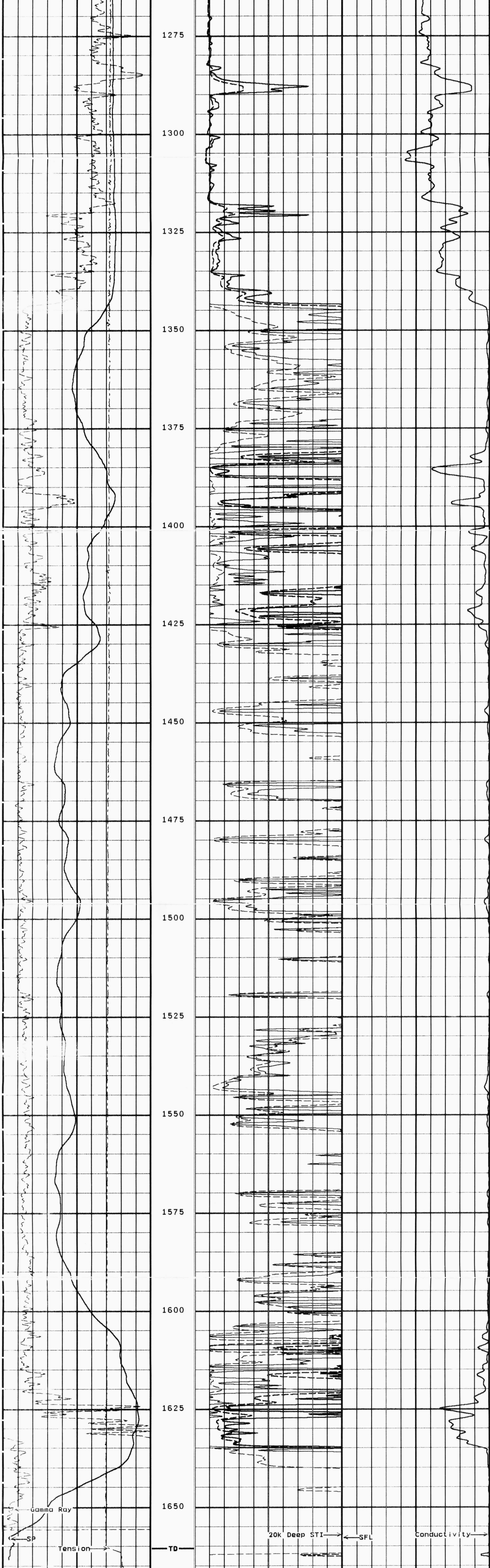






775
800
825
850
875
900
925
950
975
1000
1025
1050
1075
1100
1125
1150
1175
1200
1225
1250





SP -10 Millivolts 140		20K Deep STI 0.00 OhmMeters 50.00	
Gamma Ray 0 API 150		SFL Resistivity 0.00 OhmMeters 50.00	
Tension 10000 Pounds 0		20K Deep STI Cond. 1000.0 Milli-Mho/Meter 0.0	

START DEPTH: 1666.2 DIRECTION: UP DATE: 03/05/2002 TIME: 03:15 MODE: TRACE PLAYBACK
30010823 STIMP

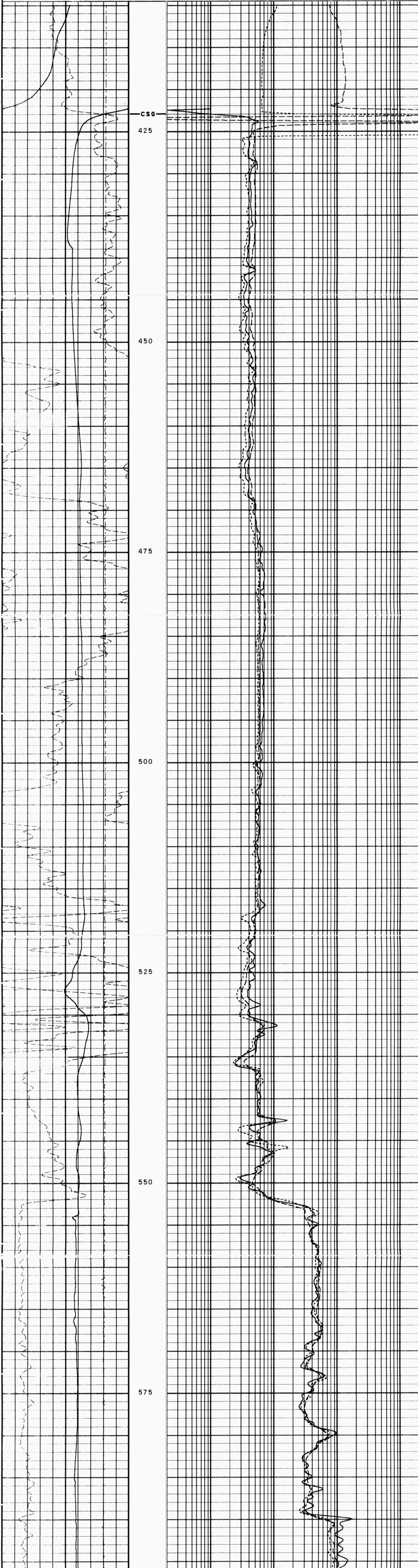
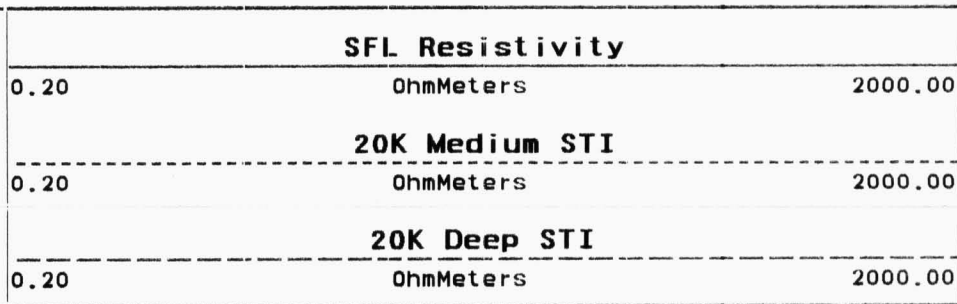
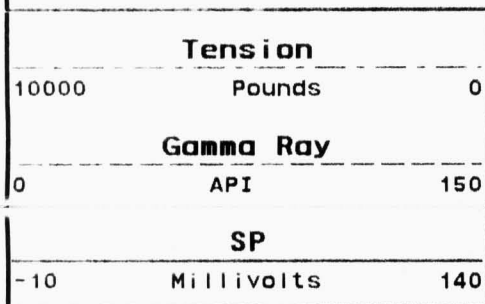
MAIN PASS
VERSION: 2002.01.30.16

SYSTEM CONSTANTS			
NAME	DESCRIPTION	VALUE	UNITS
TDL	TD-Logger	1660.70	Meters
BHT	Bottom Hole Temp	49.0	DegreesCentigrade

REMARKS
MAIN PASS
1:240 SCALE

MAIN PASS
VERSION 2002.01.30.16

30010823 STIMP



600

625

650

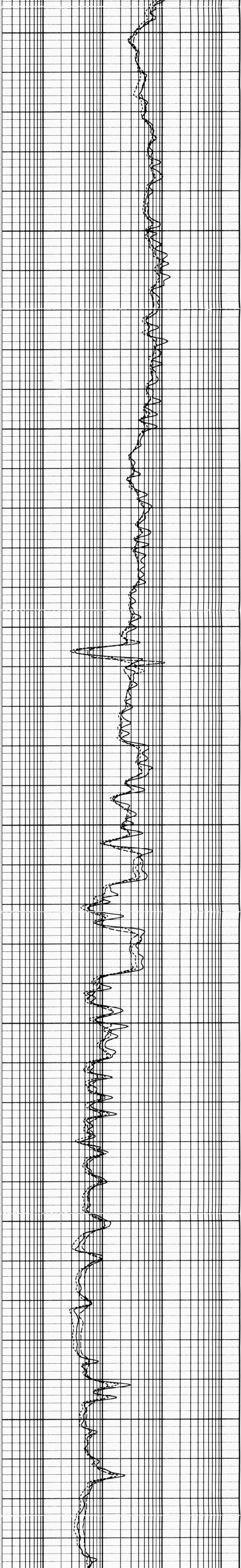
675

700

725

750

775



800

825

850

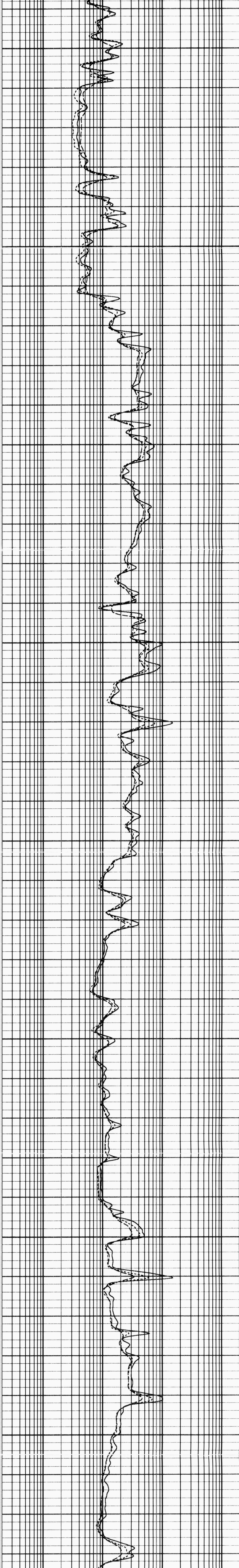
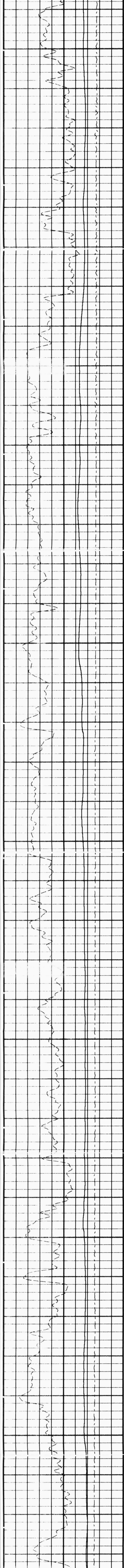
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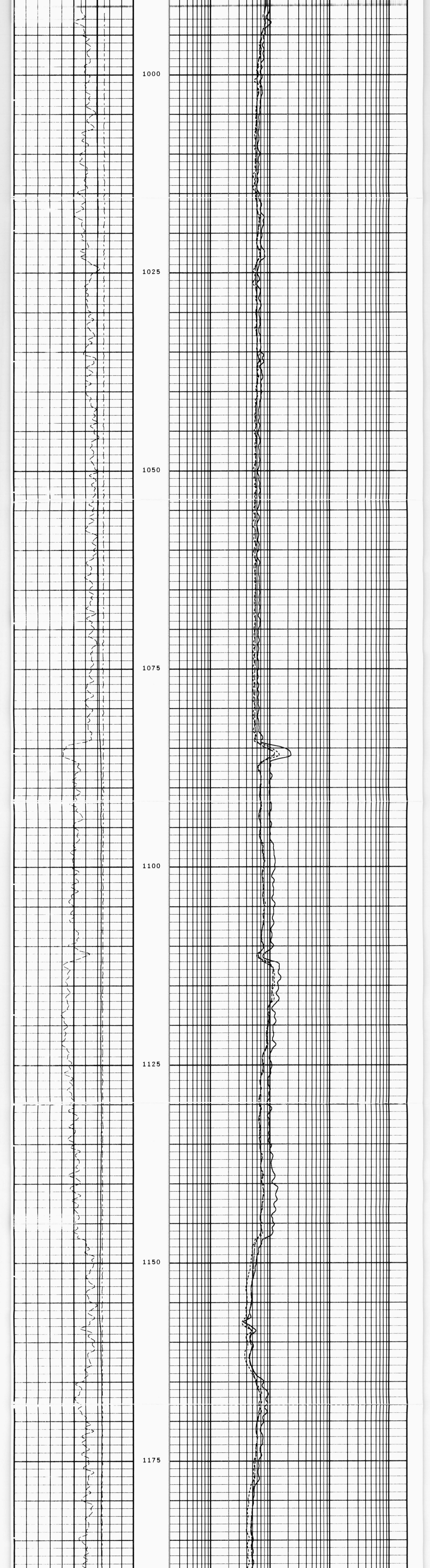
900

925

950

975





1200

1225

1250

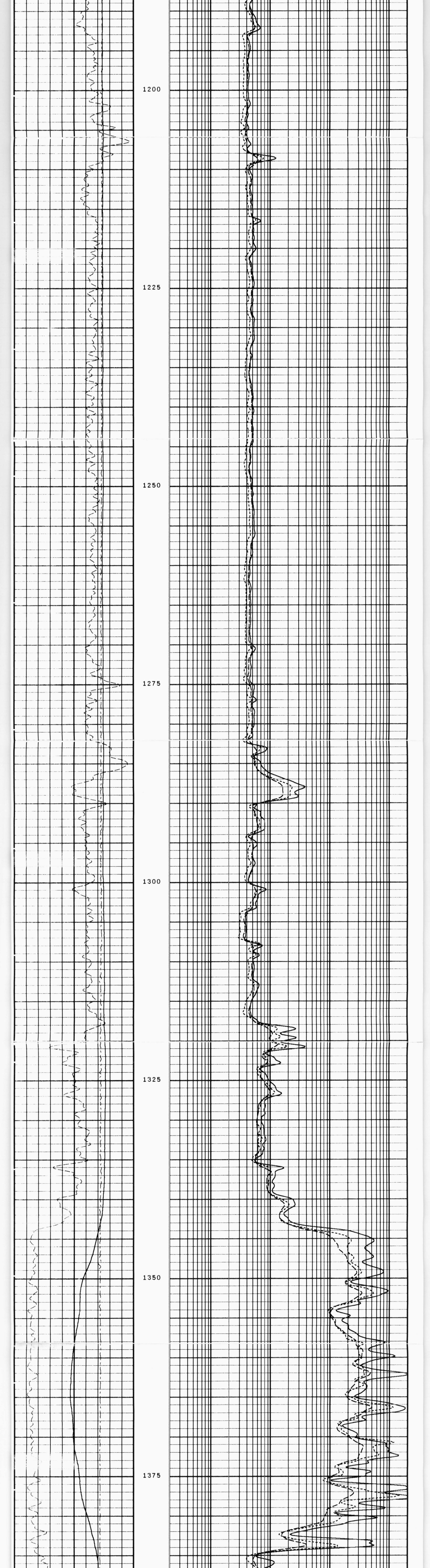
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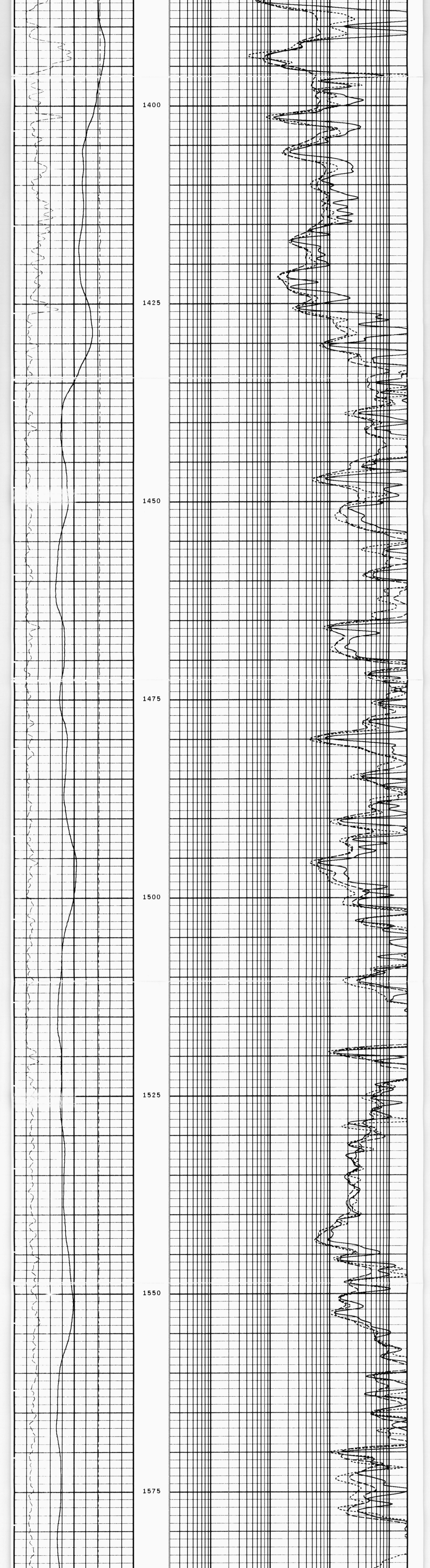
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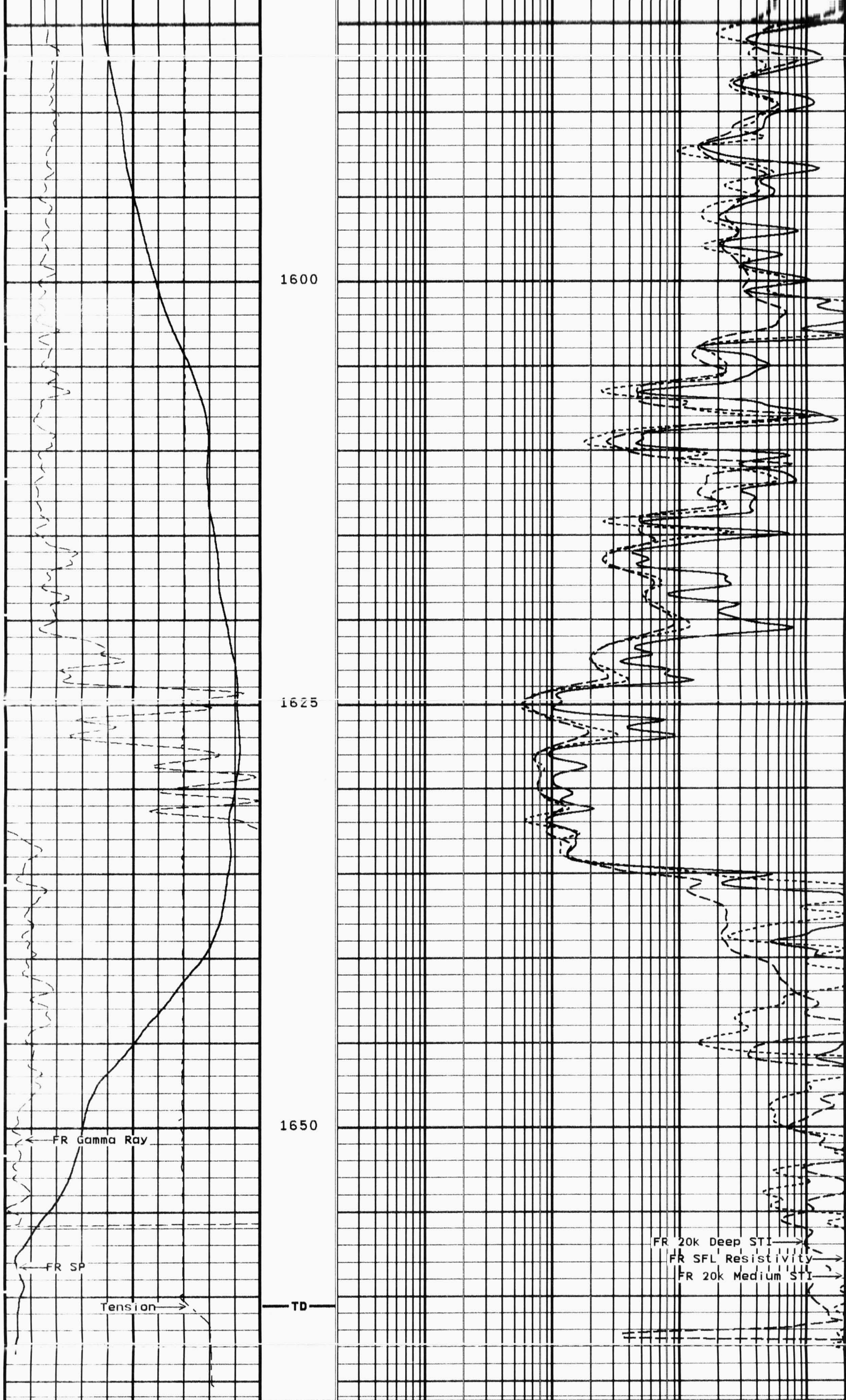
1325

1350

1375







SP		20K Deep STI	
-10	Millivolts	0.20	OhmMeters
Gamma Ray		2000.00	
0	API	0.20	OhmMeters
Tension		2000.00	
10000	Pounds	0.20	OhmMeters
		2000.00	

START DEPTH: 1666.2 DIRECTION: UP DATE: 03/05/2002 TIME: 02:53 MODE: TRACE PLAYBACK
30010823 STIMP

MAIN PASS VERSION: 2002.01.30.16

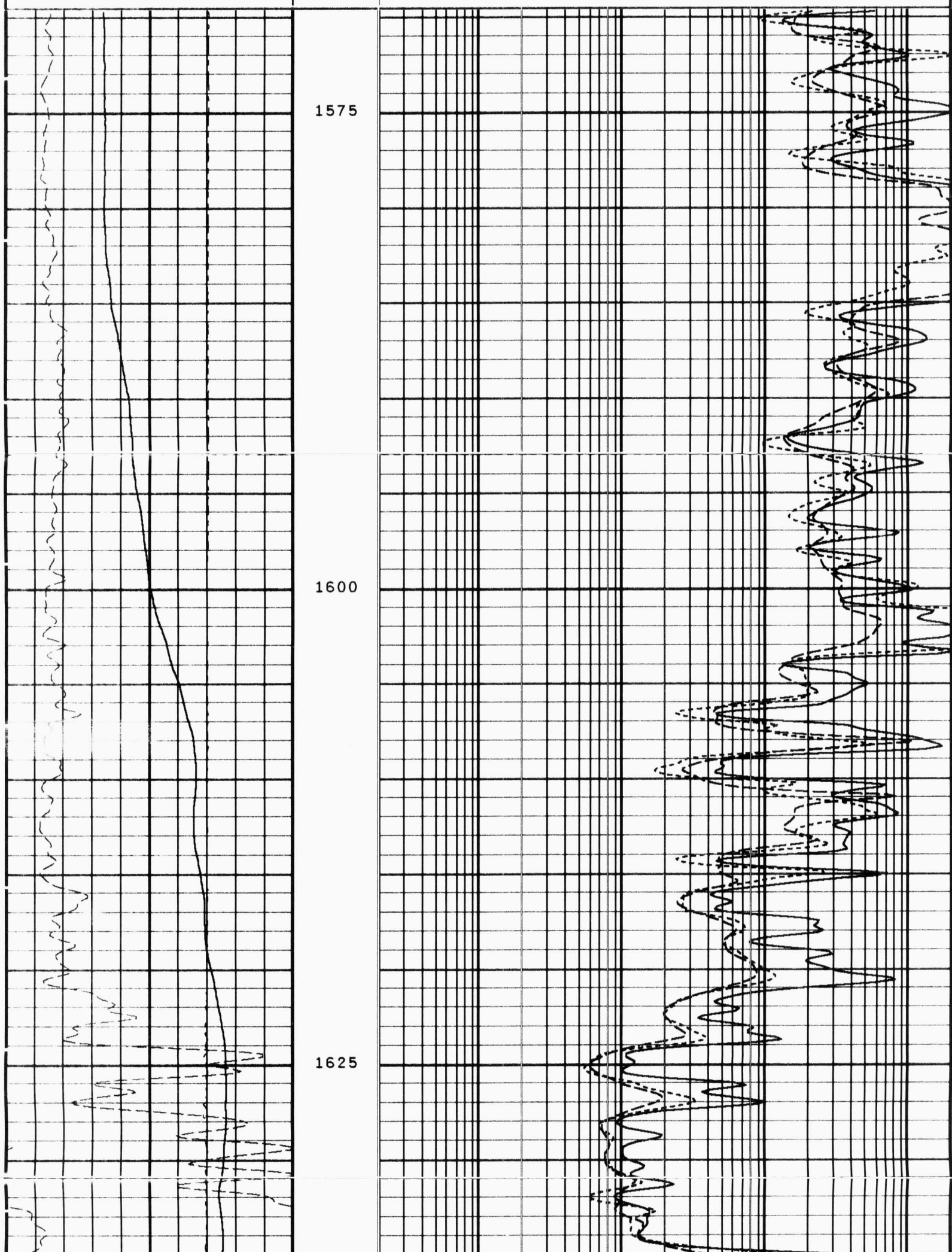
SYSTEM CONSTANTS			
NAME	DESCRIPTION	VALUE	UNITS
TDL	TD-Logger	1660.70	Meters
BHT	Bottom Hole Temp	49.0	DegreesCentigrade

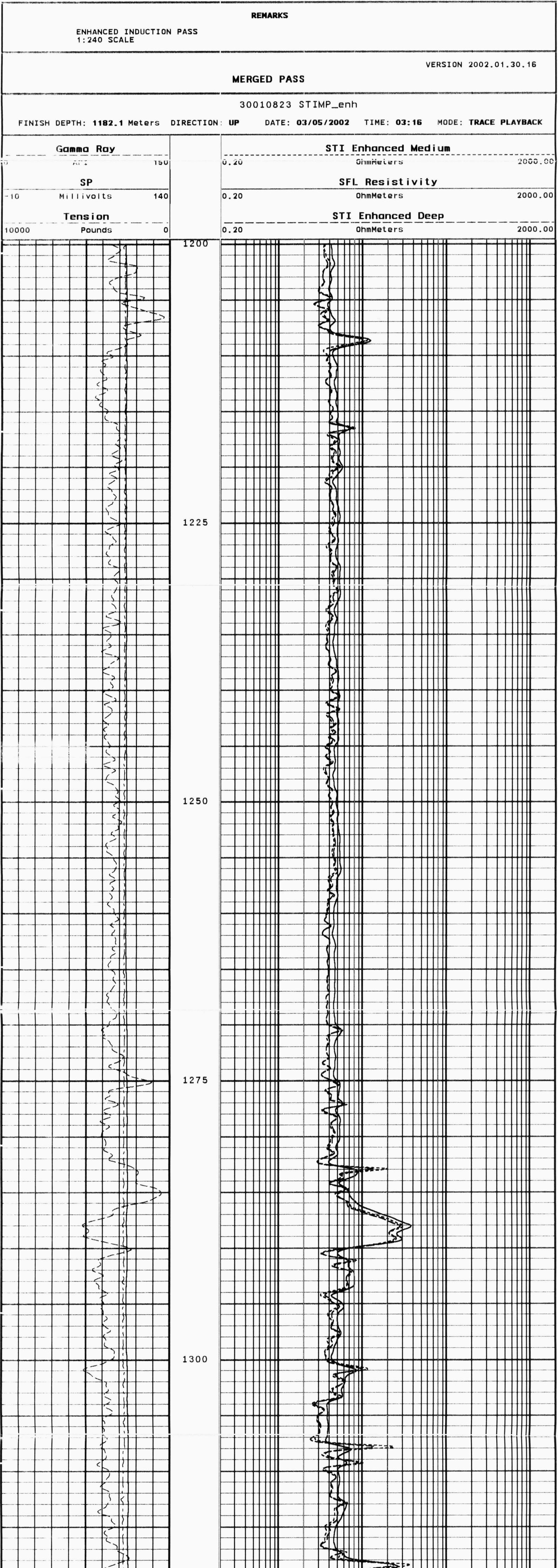
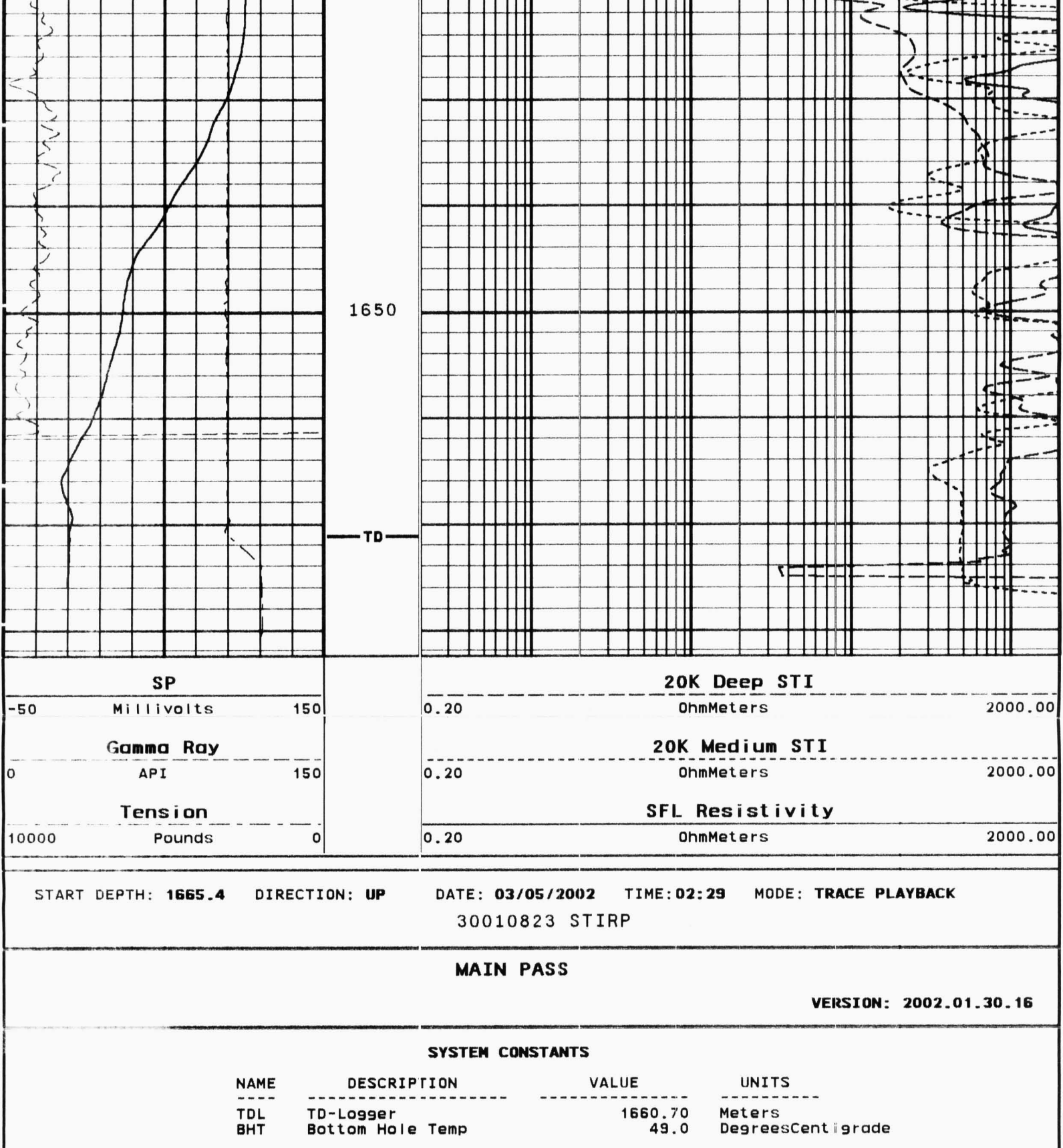
REPEAT PASS
1:240 SCALE REMARKS

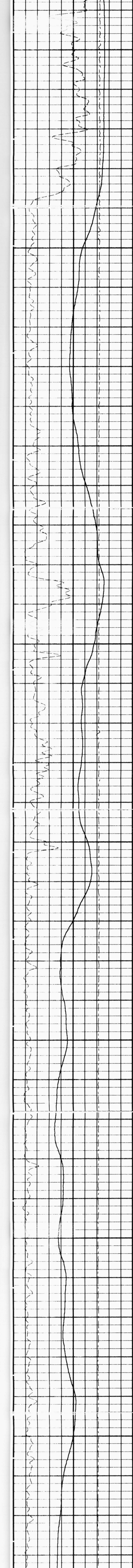
MAIN PASS VERSION 2002.01.30.16

30010823 STIRP
FINISH DEPTH: 1568.4 Meters DIRECTION: UP DATE: 03/05/2002 TIME: 02:29 MODE: TRACE PLAYBACK

Tension		SFL Resistivity	
10000	Pounds	0.20	OhmMeters
Gamma Ray		2000.00	
0	API	0.20	OhmMeters
SP		2000.00	
-50	Millivolts	0.20	OhmMeters
		2000.00	







1325

1350

1375

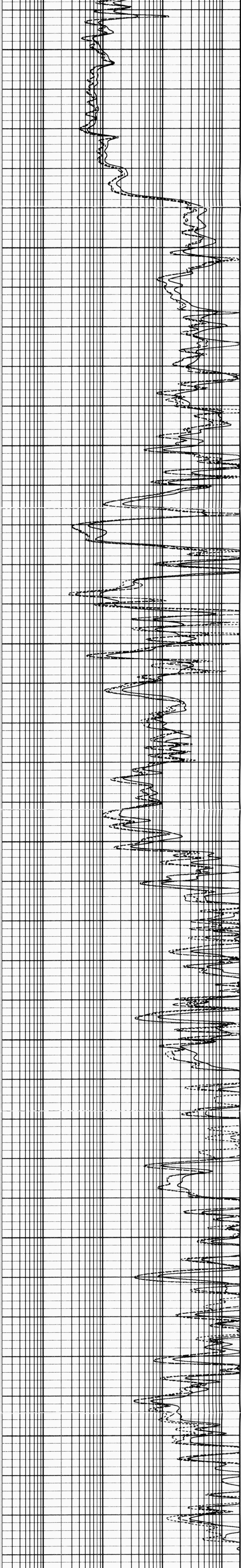
1400

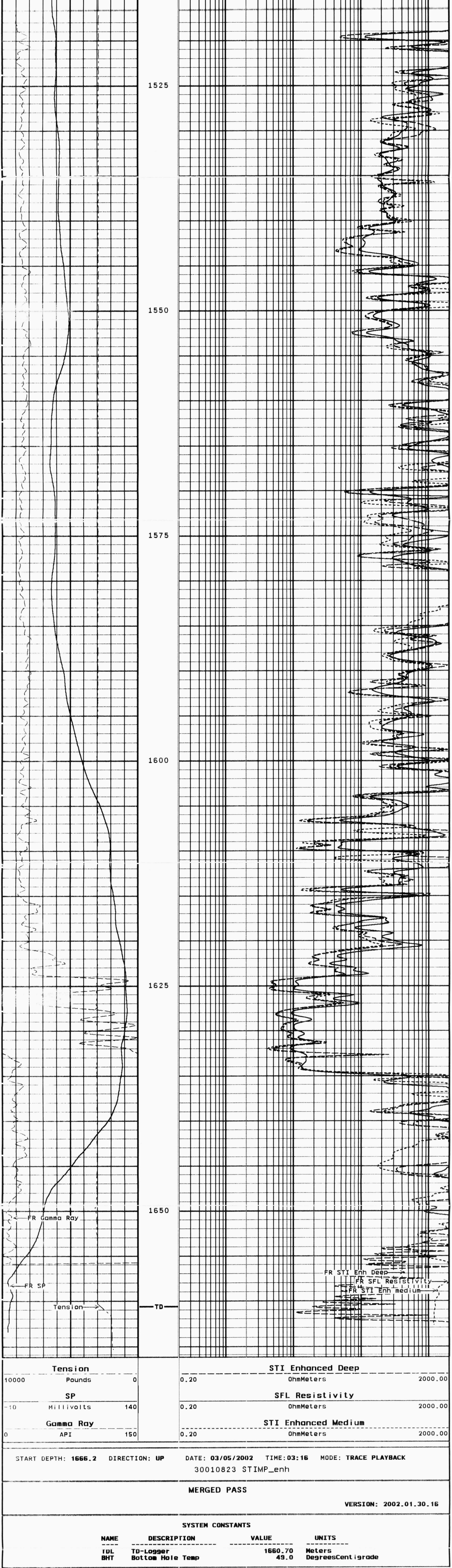
1425

1450

1475

1500





03/04/02	23:42	0.0 M	Ver 2.0b-2.0b	Job 30010823
Gamma Ray Before Survey Calibration				
Tool Type: UGR-JA		Serial No: ugrj192		
Calibrator No: RA-20S-124				
Background	Calibrator	Standard	Units	
185.3	669.0	140.0	API	
Delta Counts Per Sec: 433.7		CPS/API = 3.455		

02/01/02	14:47	0.0 M	Ver 2.0b-2.0b	Job SHOP
SIMULTANEOUS TRIPLE INDUCTION SHOP CALIBRATION				

TOOL TYPE: STI-AC

SONDE SERIAL NO: STSB185
ELECTRONICS SERIAL NO: STCB185

LOOP CALIBRATION: Gain and Phase Error of Internal Reference

	10KHz		20KHz		40KHz	
	DEEP	MEDIUM	DEEP	MEDIUM	DEEP	MEDIUM
Gain:	1.073	1.070	1.087	1.074	1.074	1.055
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	0.83	0.53	1.47	0.78	1.94	1.14
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00

SONDE ERROR:

	10KHz		20KHz		40KHz	
	R	X	R	X	R	X
Deep:	13.3	34.0	-2.0	10.0	3.8	-1.8
Upper Limit:	20.0	100.0	20.0	100.0	20.0	100.0
Lower Limit:	-20.0	-100.0	-20.0	-100.0	-20.0	-100.0
Medium:	-3.1	-22.3	-7.4	-35.0	3.1	-55.2
Upper Limit:	20.0	150.0	20.0	150.0	20.0	150.0
Lower Limit:	-20.0	-150.0	-20.0	-150.0	-20.0	-150.0

SHOP ELECTRONICS CALIBRATION:

	10KHz		20KHz		40KHz	
	R	X	R	X	R	X
Zero Error(mmho/m):	19.2	42.6	DEEP 2.1	15.7	3.5	12.1
Upper Limit:	100.0	100.0	100.0	100.0	100.0	100.0
Lower Limit:	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
Gain:	0.985	1.034	0.985	1.000	0.993	0.984
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	-1.57	0.07	0.17	-0.35	1.87	-0.35
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Zero Error(mmho/m):	19.7	42.4	MEDIUM 2.4	16.1	3.4	12.0
Upper Limit:	100.0	100.0	100.0	100.0	100.0	100.0
Lower Limit:	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
Gain:	0.985	1.034	0.987	1.000	0.990	0.984
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	-1.53	0.06	-0.20	-0.36	1.10	-0.34
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00

SFL CALIBRATIONS:

	OFFSET	MIN	MAX	UNITS	GAIN	MIN	MAX
Voltage:	-1.3	-100.0	100.0	uV	1.009	0.800	1.200
Current:	-0.2	-25.0	25.0	uA	0.999	0.800	1.200

03/05/02

01:43

83.0 M

Ver 2.0b-2.0b

Job 30010823

SIMULTANEOUS TRIPLE INDUCTION BEFORE SURVEY CALIBRATION

TOOL TYPE: STI-AC

SONDE SERIAL NO: STSB185
ELECTRONICS SERIAL NO: STCB185

	10KHz		20KHz		40KHz	
	R	X	R	X	R	X
Zero Error(mmho/m):	27.1	34.1	DEEP 4.6	17.8	0.8	17.1
Upper Limit:	100.0	100.0	100.0	100.0	100.0	100.0
Lower Limit:	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
Gain:	0.985	1.035	0.985	1.002	0.993	0.983
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	-1.83	-0.02	-0.32	-0.52	1.25	-0.44
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Zero Error(mmho/m):	28.1	35.5	MEDIUM 5.1	19.3	0.4	14.4
Upper Limit:	100.0	100.0	100.0	100.0	100.0	100.0
Lower Limit:	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
Gain:	0.985	1.034	0.987	1.001	0.993	0.984
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	-1.85	-0.07	-0.62	-0.54	0.50	-0.43
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00

SFL CALIBRATIONS:

	OFFSET	MIN	MAX	UNITS	GAIN	MIN	MAX
Voltage:	-1.6	-100.0	100.0	uV	1.007	0.800	1.200
Current:	-0.2	-25.0	25.0	uA	0.998	0.800	1.200

03/05/02

04:23

22.0 M

Ver 2.0b-2.0b

Job 30010823

SIMULTANEOUS TRIPLE INDUCTION AFTER SURVEY CALIBRATION

TOOL TYPE: STI-AC

SONDE SERIAL NO: STSB185
ELECTRONICS SERIAL NO: STCB185

	10KHz		20KHz		40KHz	
	R	X	R	X	R	X
Zero Error(mmho/m):	40.2	39.6	DEEP 7.2	21.6	4.0	15.1
Upper Limit:	100.0	100.0	100.0	100.0	100.0	100.0
Lower Limit:	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
Gain:	0.984	1.031	0.984	0.997	0.993	0.980
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	-1.65	0.14	0.18	-0.32	1.93	-0.22
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
Zero Error(mmho/m):	40.3	39.9	MEDIUM 7.2	22.0	4.5	15.4
Upper Limit:	100.0	100.0	100.0	100.0	100.0	100.0
Lower Limit:	-100.0	-100.0	-100.0	-100.0	-100.0	-100.0
Gain:	0.984	1.031	0.985	0.997	0.988	0.980
Upper Limit:	1.100	1.100	1.100	1.100	1.100	1.100
Lower Limit:	0.900	0.900	0.900	0.900	0.900	0.900
Phase Error(degrees):	-1.62	0.12	-0.41	-0.32	0.85	-0.25
Upper Limit:	10.00	10.00	10.00	10.00	10.00	10.00
Lower Limit:	-10.00	-10.00	-10.00	-10.00	-10.00	-10.00

SFL CALIBRATIONS:

	OFFSET	MIN	MAX	UNITS	GAIN	MIN	MAX
Voltage:	-1.1	-100.0	100.0	uV	1.015	0.800	1.200
Current:	-0.0	-25.0	25.0	uA	1.004	0.800	1.200

O H Adaptor Head

Weight	18.0 kg
Length	0.74 m
Max. Diameter	8.9 cm
Total Stack Weight	543.3 kg in air
Total Stack Length	23.52 m

Crossover

Weight	6.8 kg
Length	0.27 m

Wireline Communications Cartridge

Weight	53.6 kg
Length	2.31 m
Max. Diameter	8.6 cm

2-Arm Caliper

Weight	79.4 kg
Length	2.40 m
Max. Diameter	10.2 cm

Centralizer

Weight	30.9 kg
Length	1.39 m
Max. Diameter	8.9 cm

Borehole Compensated Sonic

Weight	104.0 kg
Length	4.67 m
Max. Diameter	8.6 cm

Caliper 18.27 m

TOP RX 13.88 m

2.313 in. dia.
(5.874 cm)

3.500 in. dia.
(8.890 cm)

3.375 in. dia.
(8.573 cm)

3.500 in. dia.
(8.900 cm)

4.00 in. dia.
(10.16 cm)

3.500 in. dia.
(8.890 cm)

3.375 in. dia.
(8.573 cm)

Delta T 13.57 m
BOT RX 13.27 m

3.500 in. dia.
(8.890 cm)

Centralizer

Weight 30.9 kg
Length 1.39 m
Max. Diameter 8.9 cm

Universal GR

Weight 37.3 kg
Length 1.40 m
Max. Diameter 8.6 cm

GR 9.95 m

3.375 in. dia.
(8.573 cm)

Simultaneous Triple Induction

Weight 176.9 kg
Length 8.75 m
Max. Diameter 10.2 cm

4.00 in. dia.
(10.16 cm)

3.375 in. dia.
(8.573 cm)

4.00 in. dia.
(10.16 cm)

ILD 3.28 m

SFL 2.65 m

SP 2.41 m

ILM 2.10 m

Stand - Off

Weight 5.5 kg
Length 0.20 m

COMPANY PARAMOUNT RESOURCES LTD.

WELL PARA ET AL CAMERON H-03

FIELD CAMERON HILLS PROVINCE N.W.T.

COMPUTALOG