

Dipole Shear
Sonic Imager

* Measured Depth *

* A Mark of Schlumberger

Using the following logs:

DSI-CALIPER-G

N.E.B. COPY

COMPANY:	APACHE CANADA LTD.		
WELL:	APACHE PARAMOUNT LAC MAUNOIR C-34		
FIELD:	UNDEFINED		
Province:	NORTHWEST TERRITORIES		
COUNTRY:	CANADA		
Date Logged:	20-Feb-2004	Date Processed:	23-Feb-2004
Well Location:	UWID: 300C346720125000		
	LSD: C-34		
Elevations:	KB: 628m	DF: 627.7m	GL: 622.8m
API Number:	WID: 1995	Job Number:	10764787

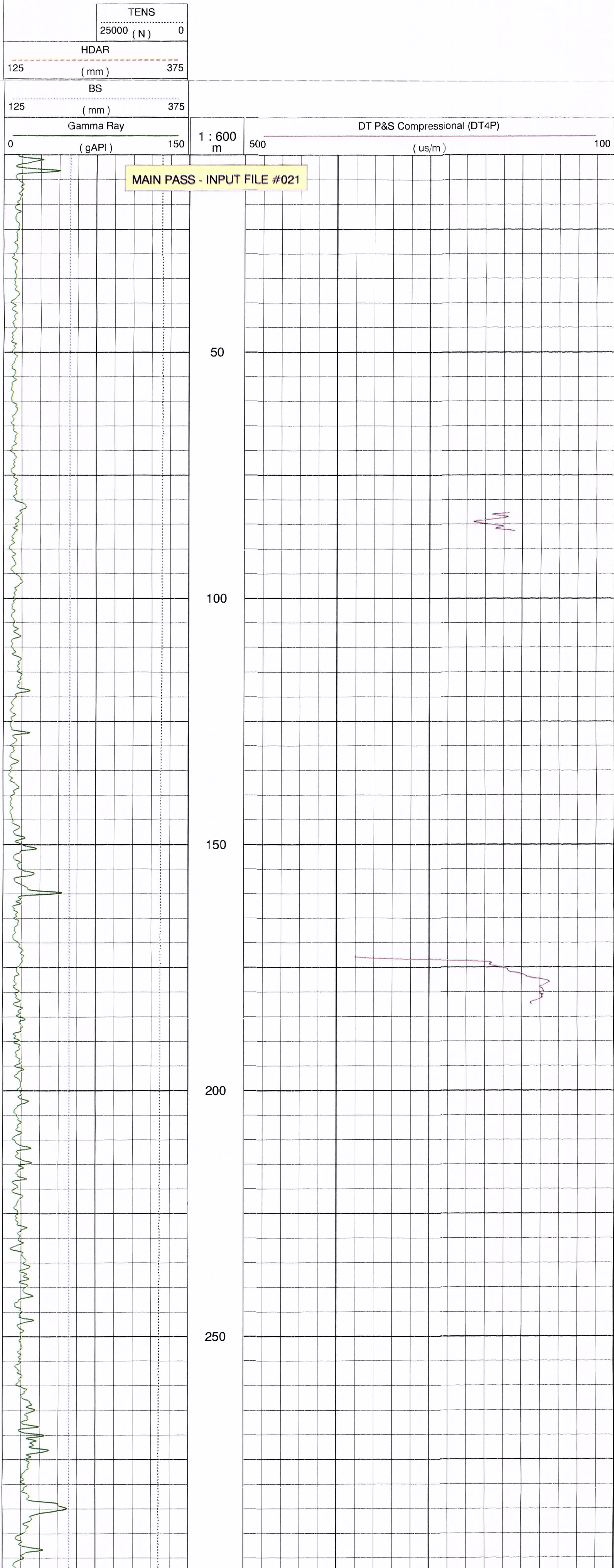
FOLD HERE: The well name, location and borehole reference data were furnished by the customer.

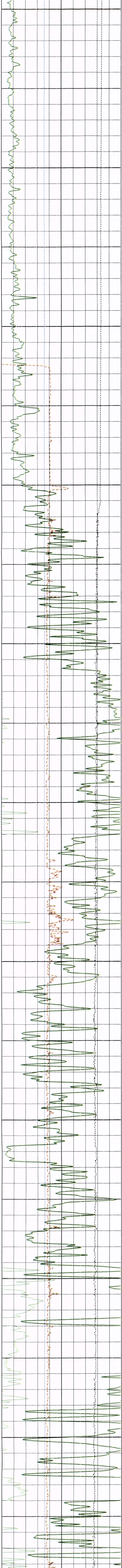
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording:	Location: NORMAN WELLS	Software Version: 11C0-305	Engineer: KELLY RONCIN
Office Recording:	ICS Center: DCS-Calgary	Baseline: GF 3.8.1	Log Analyst: Nader Khosravi
Mud and Borehole Measurements:			
Rm @ Measured Temperature:	@	BHT: 12degC	Bitsize: 216mm
Rmf @ Measured Temperature:	@	Type Fluid in Hole:	INVERT
Rmc @ Measured Temperature:	@	Mud Density: 1100kg/m3	

Remarks:

DSI MONOPOLE DATA AFFECTED BY POOR CEMENT BONDING BEHIND THE CASING.
DT4P AND DT2 WERE USED FOR THE "PR" AND "VPVS" CALCULATIONS.
DSI DATA REPROCESSED WITH BEST-DT IN DCS-CALGARY.





300

350

400

450
Casing

500

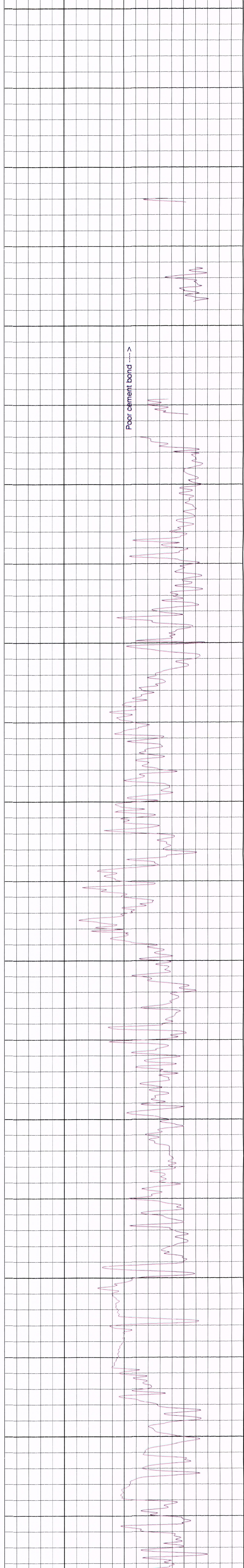
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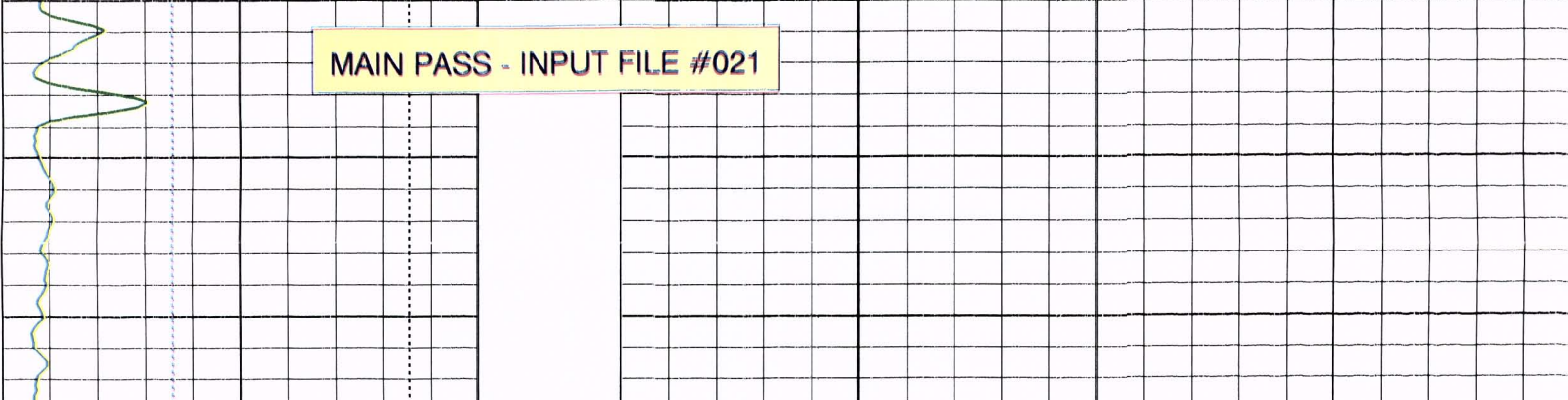
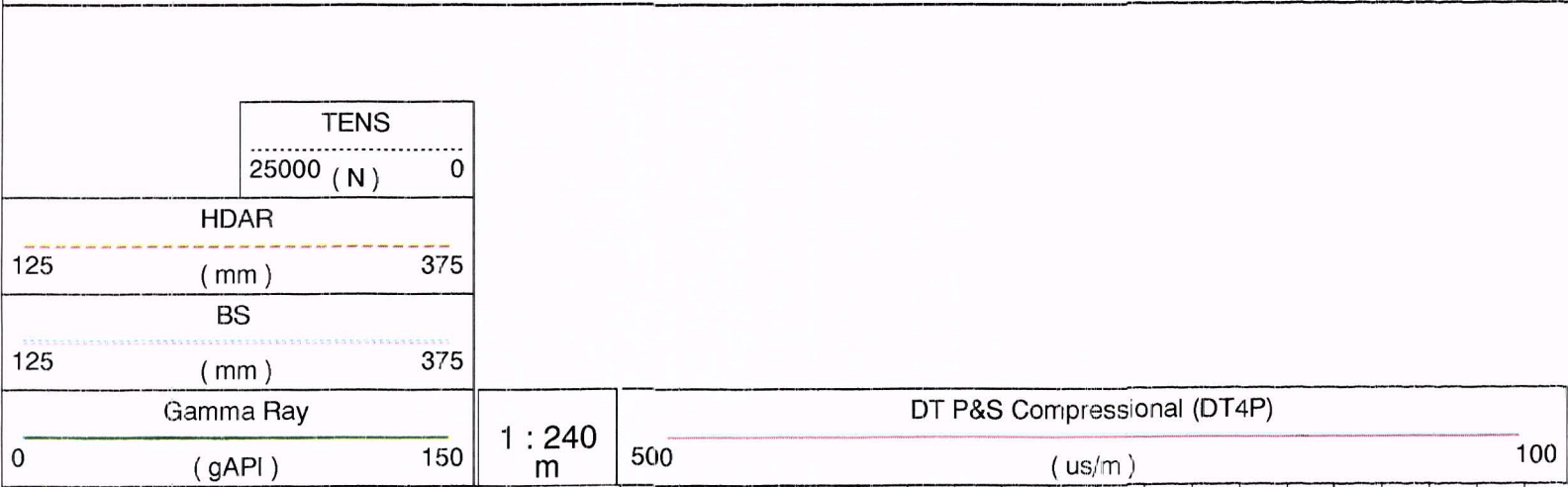
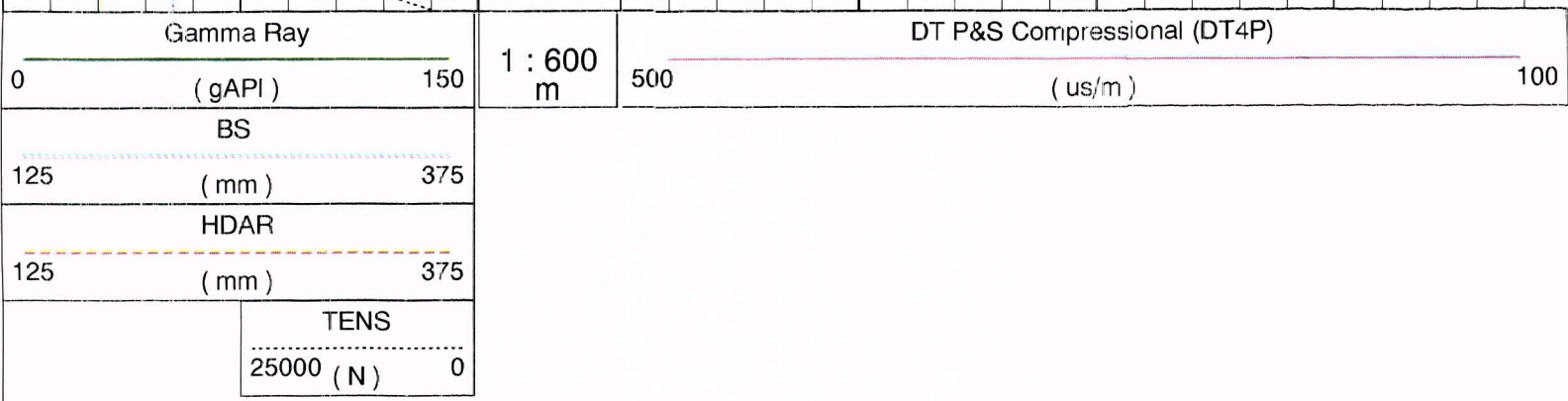
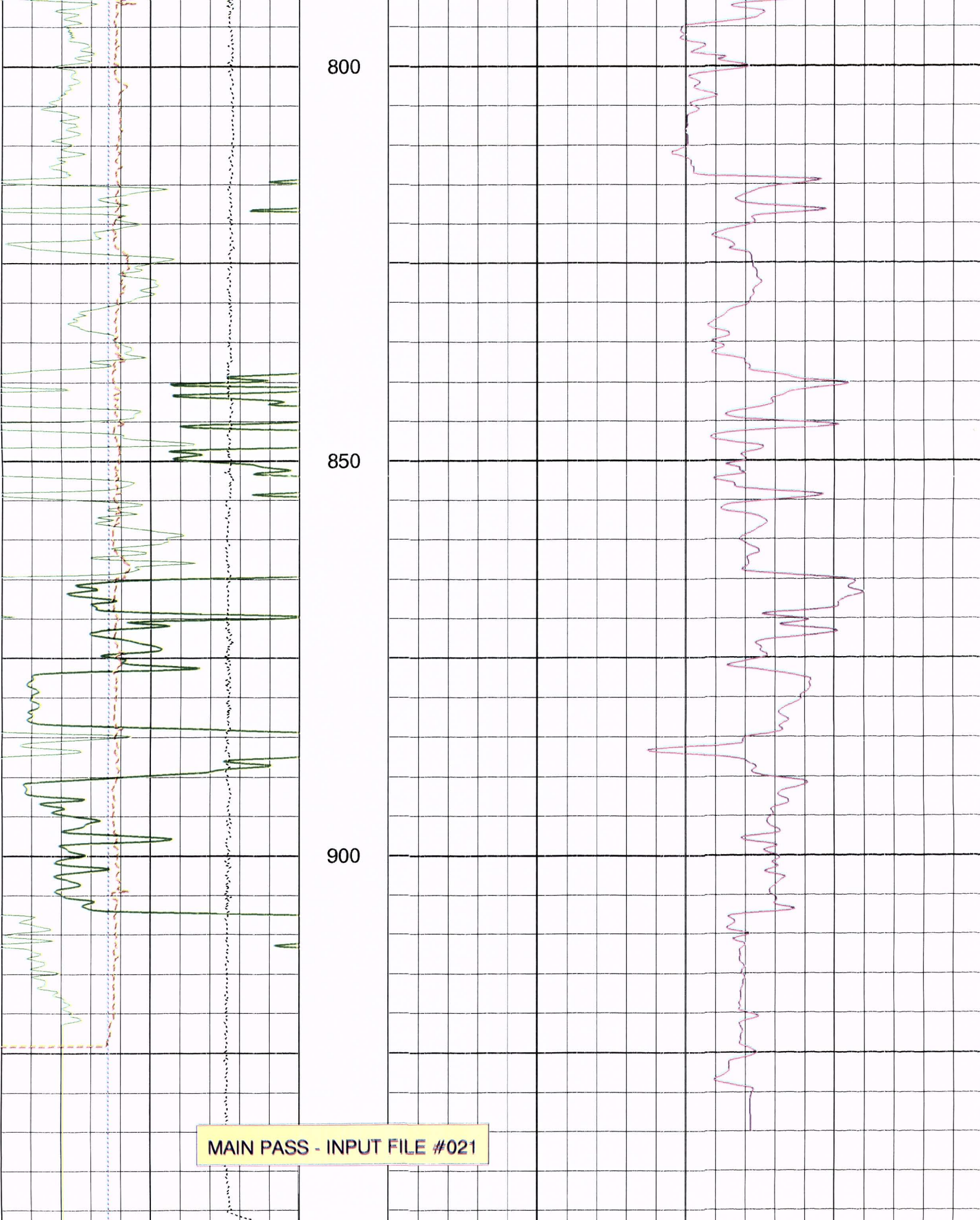
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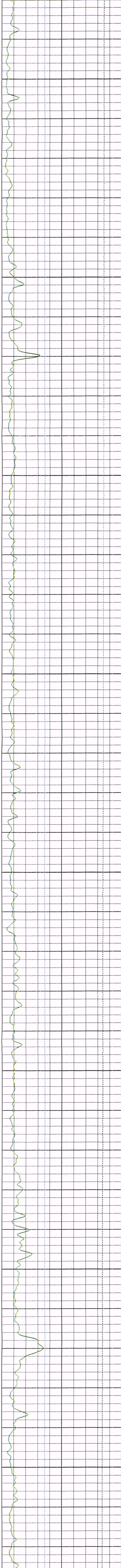
650

700

750







125

150

175

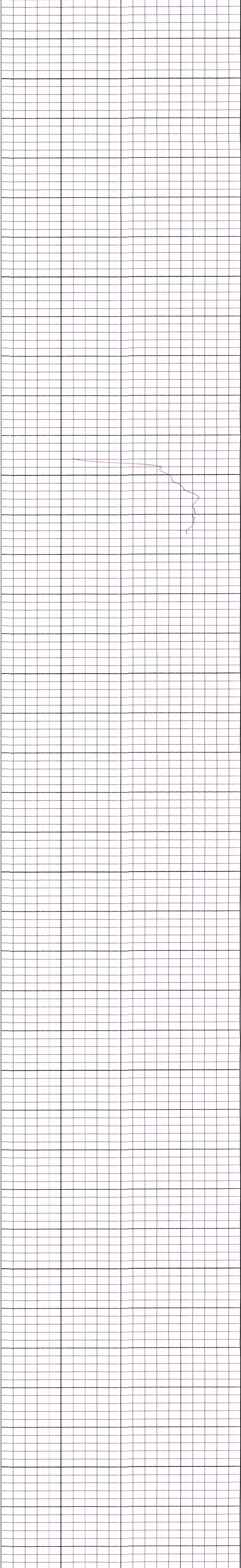
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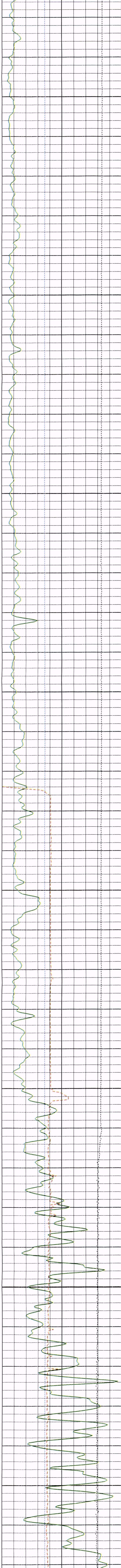
225

250

275

300





325

350

375

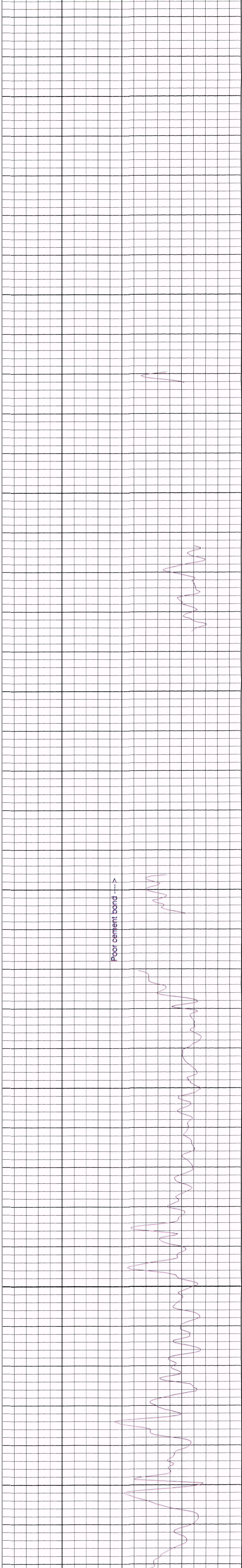
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425

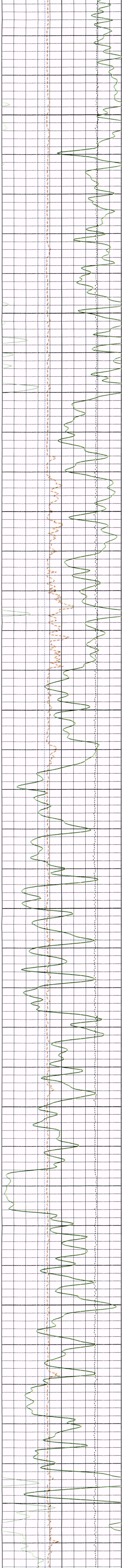
450
Casing

475

500



Poor cement bond ---->



525

550

575

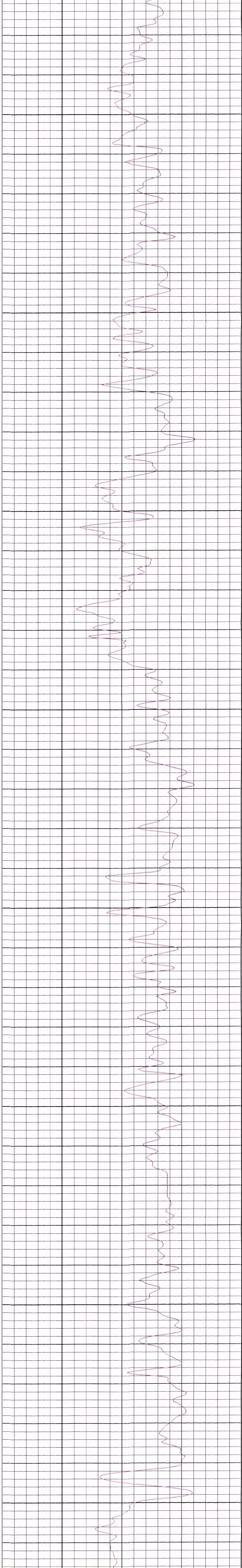
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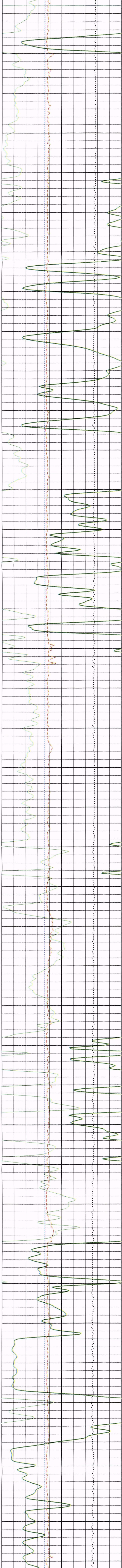
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650

675

700





725

750

775

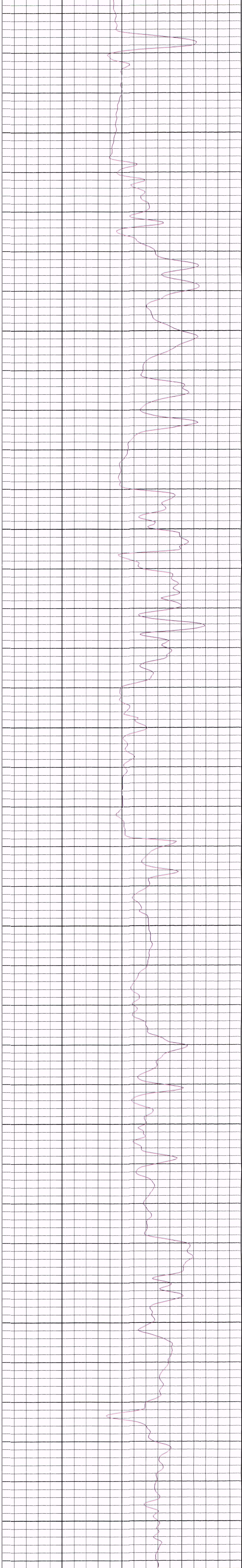
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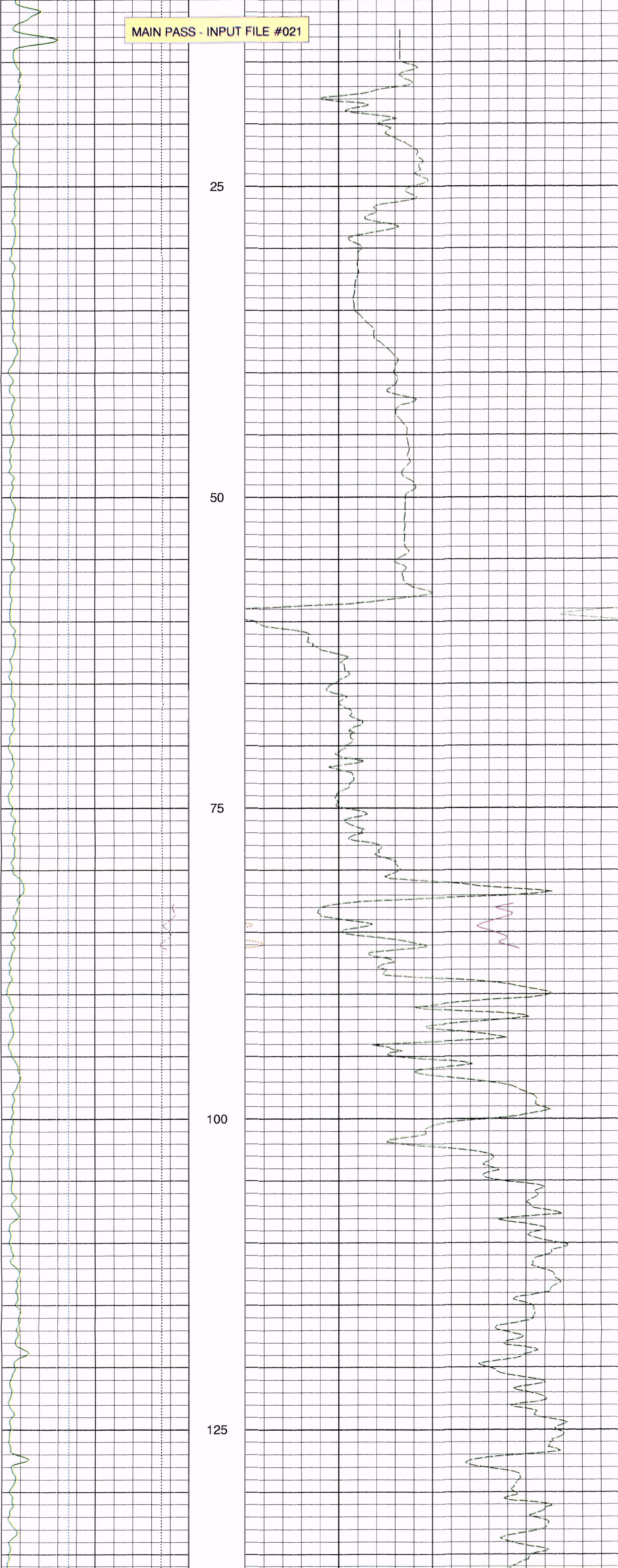
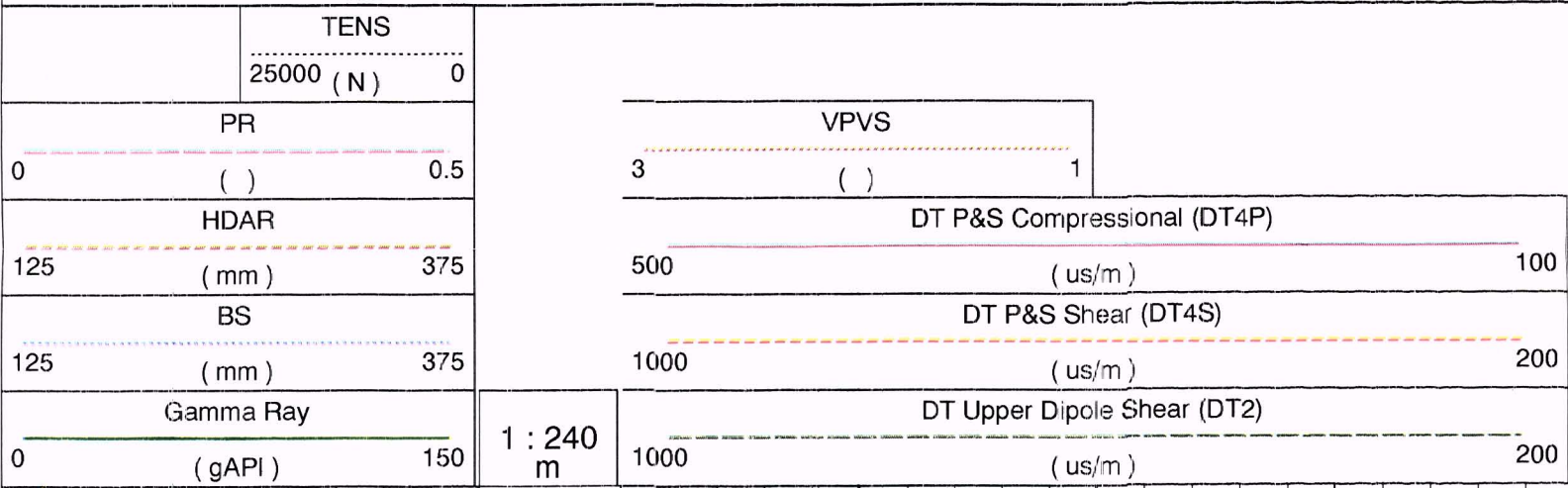
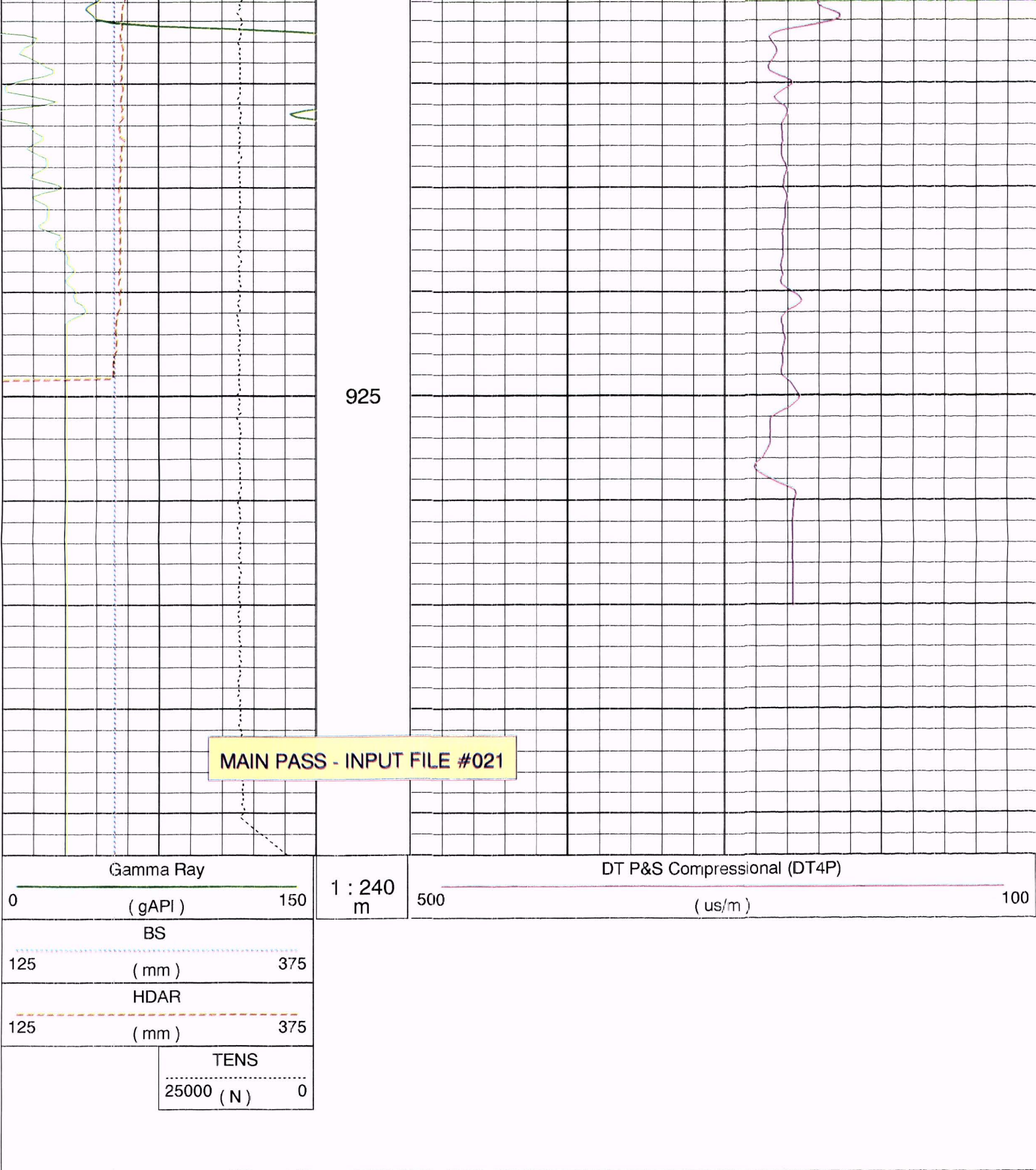
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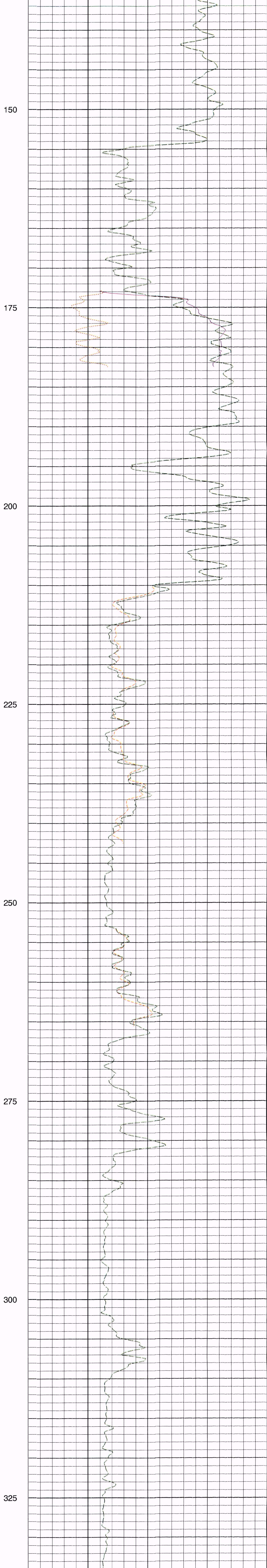
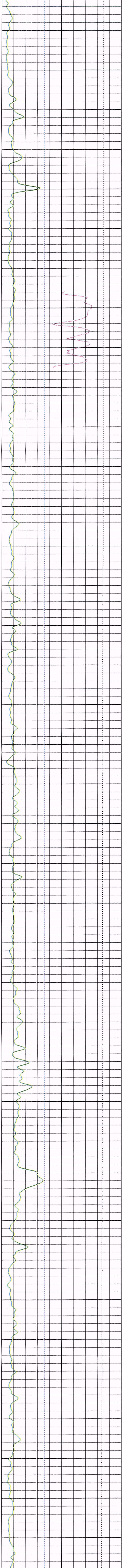
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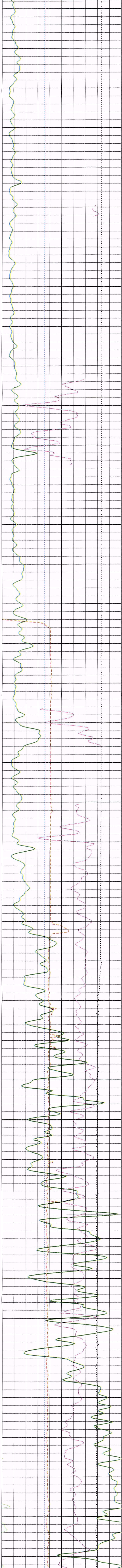
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900









350

375

400

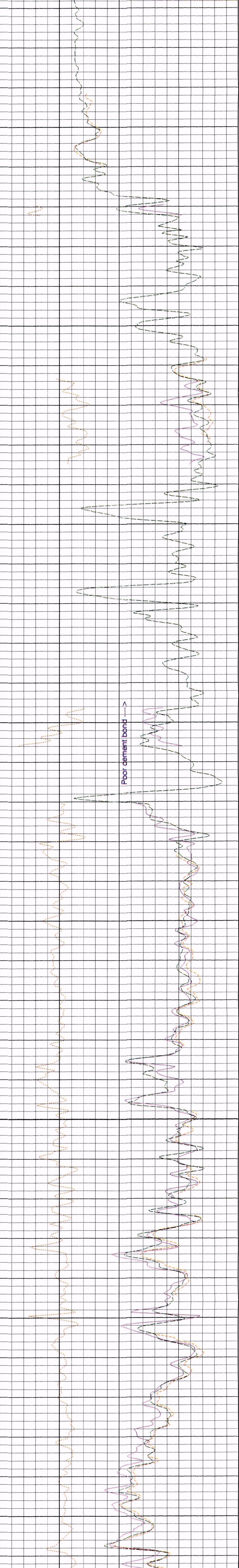
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450
Casing

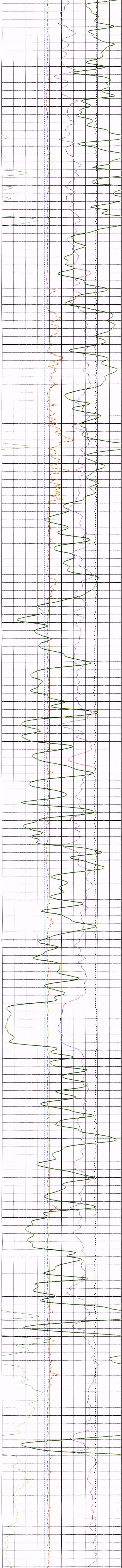
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500

525



Poor cement bond



550

575

600

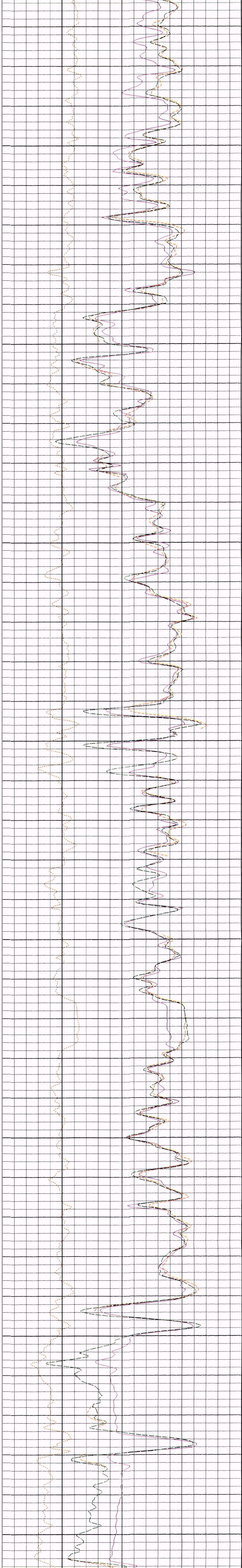
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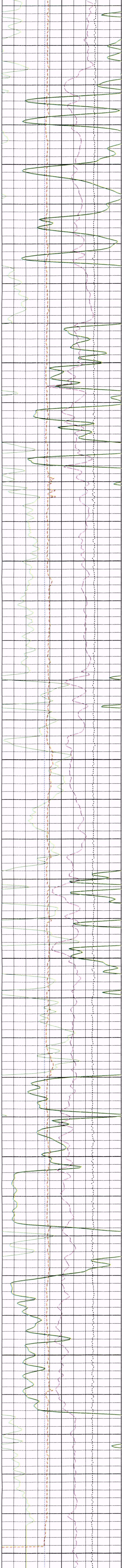
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675

700

725





750

775

800

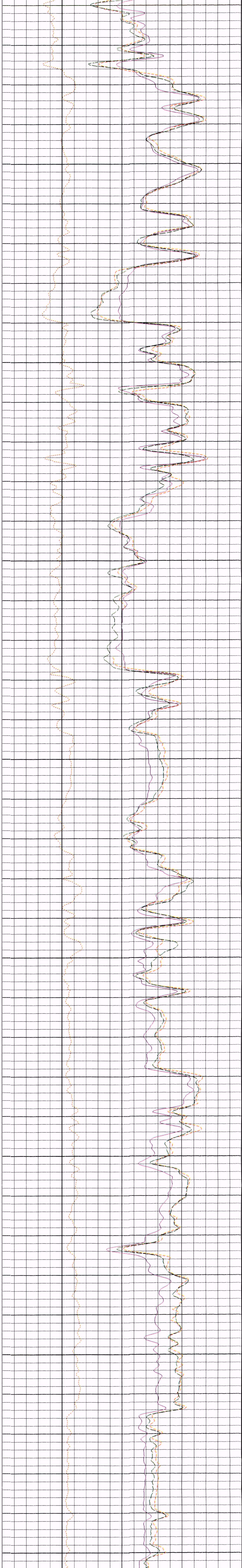
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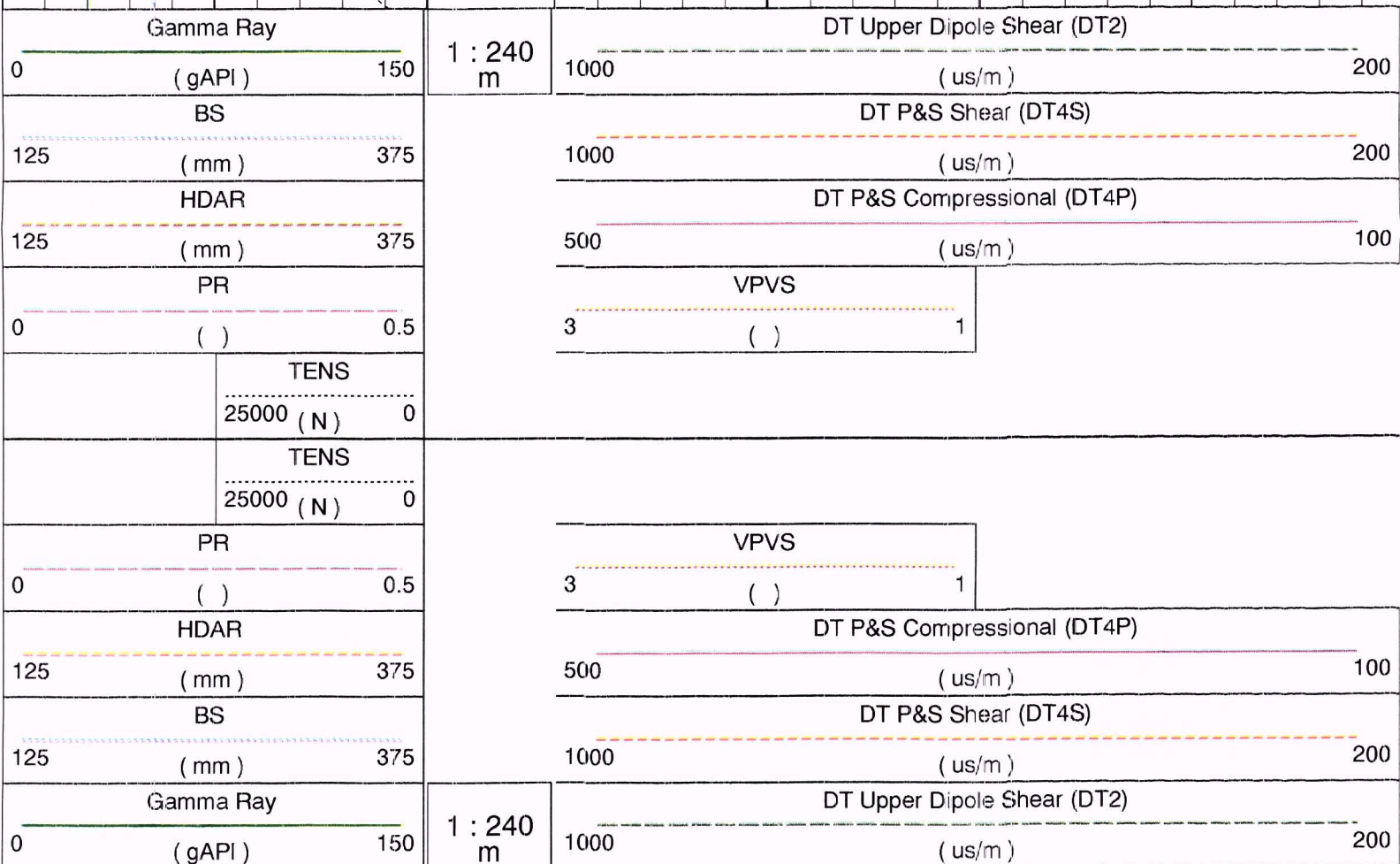
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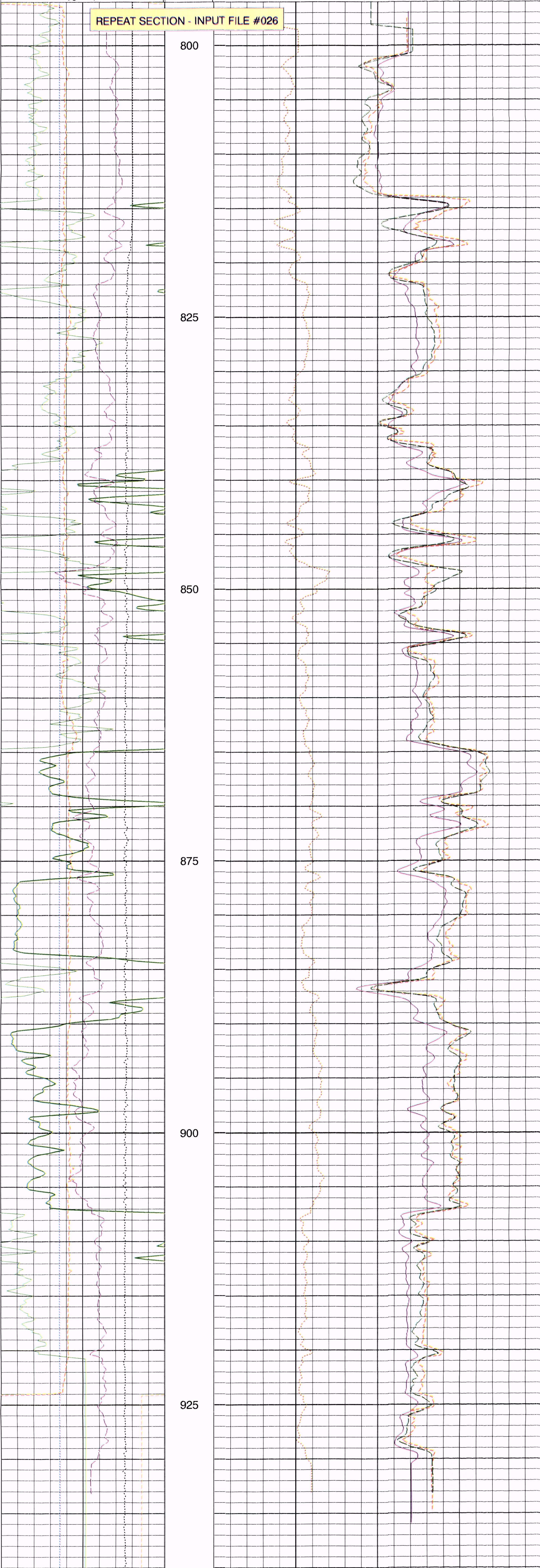
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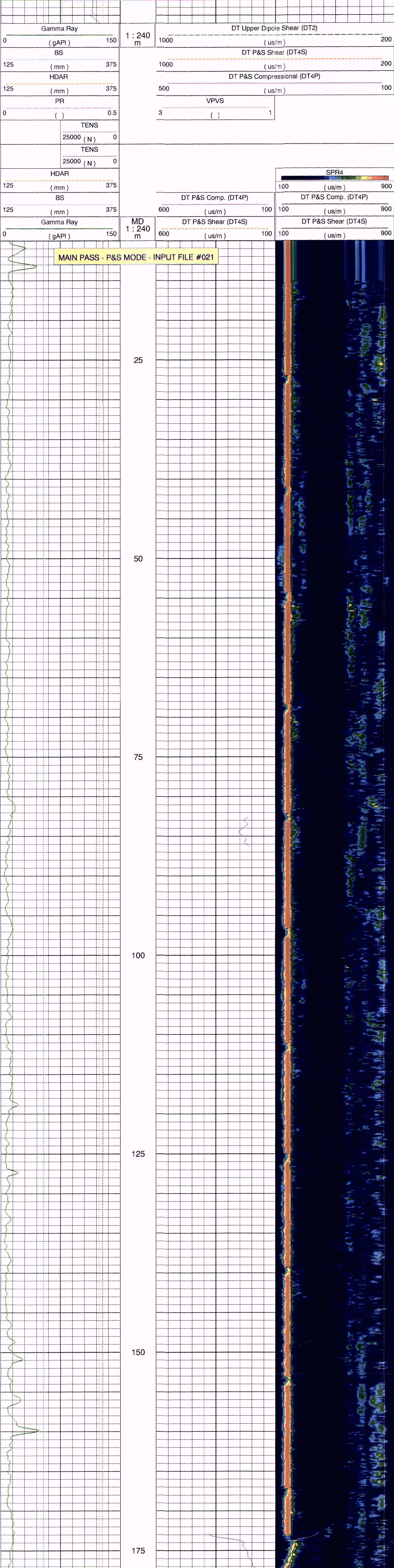
MAIN PASS - INPUT FILE #021

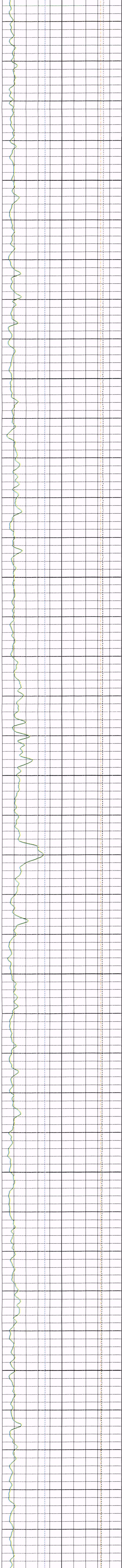


REPEAT SECTION - INPUT FILE #026



REPEAT SECTION - INPUT FILE #026





200

225

250

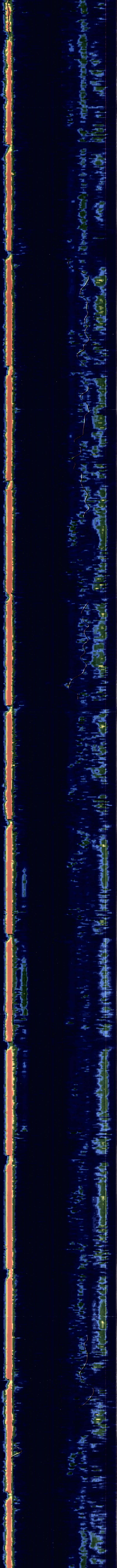
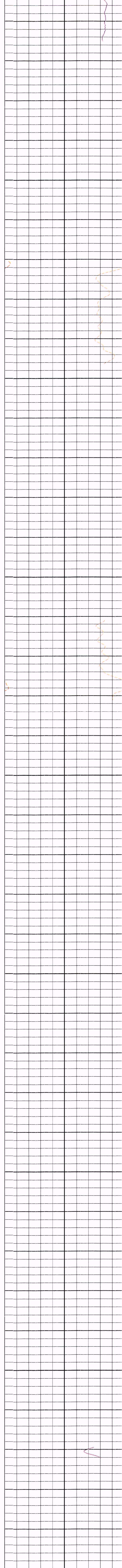
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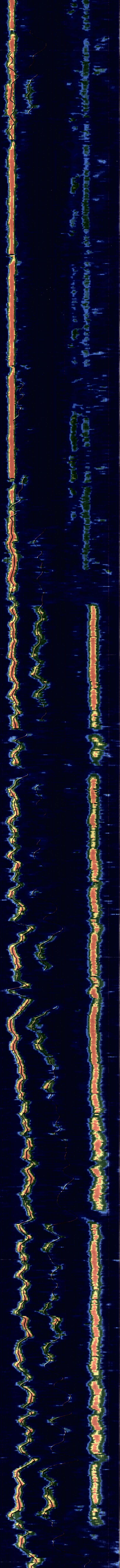
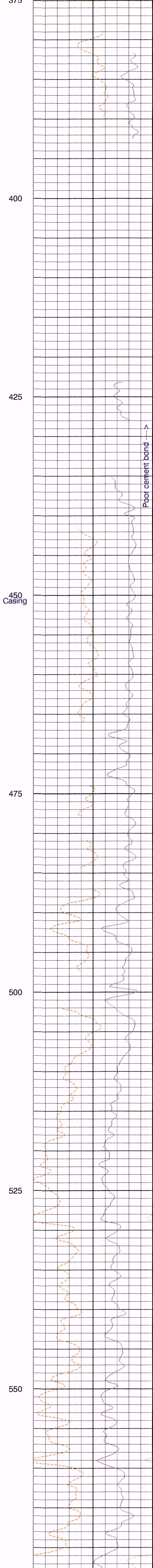
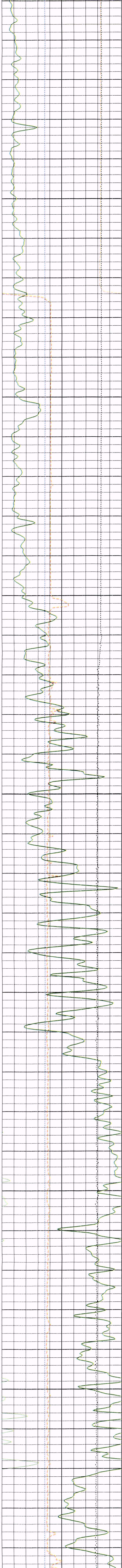
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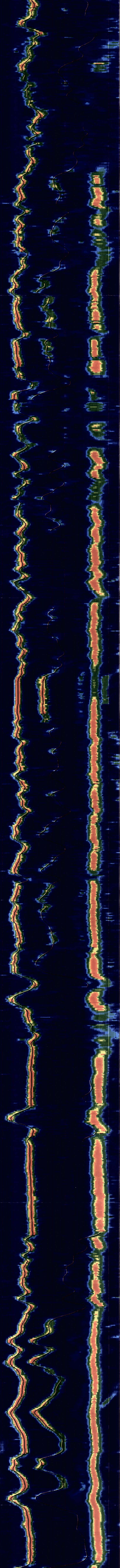
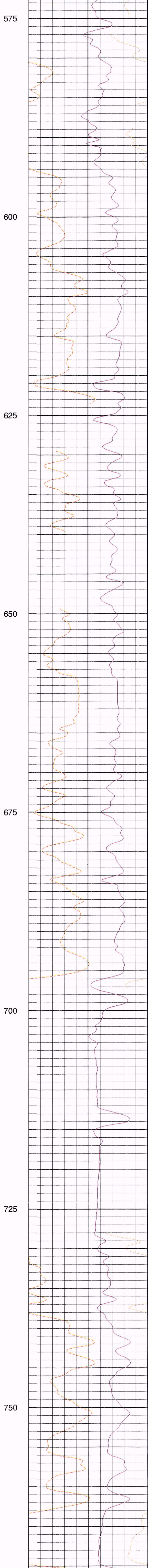
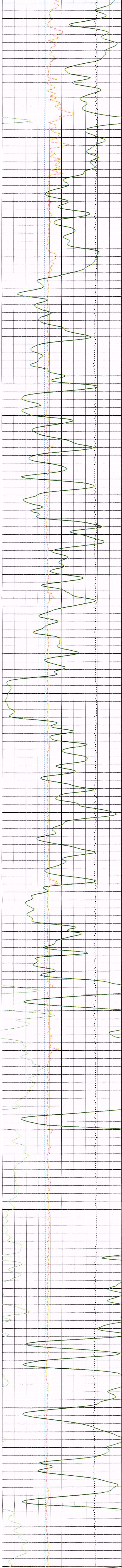
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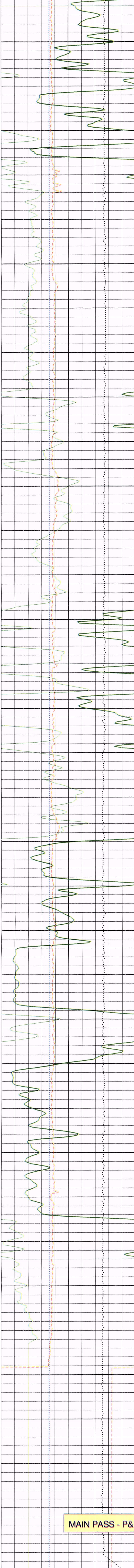
350

375









775

800

825

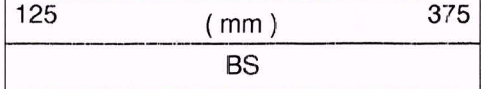
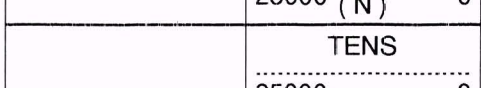
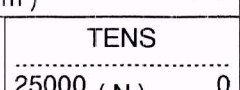
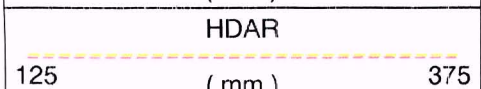
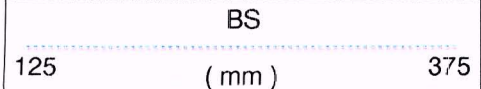
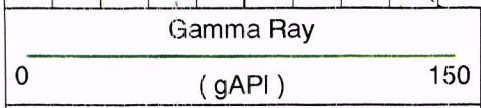
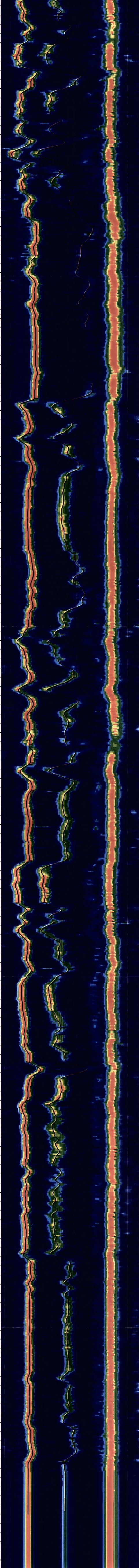
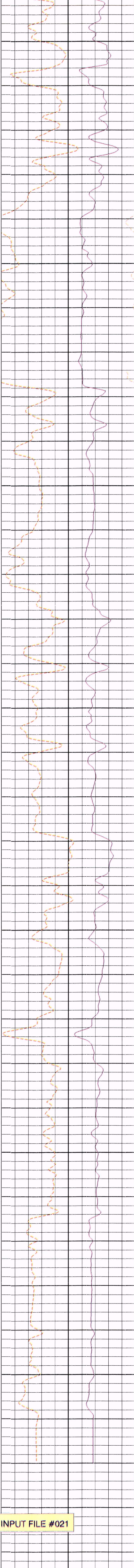
850

875

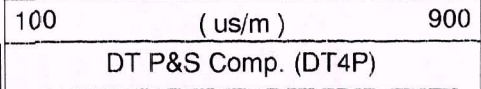
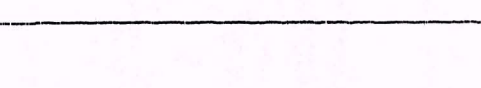
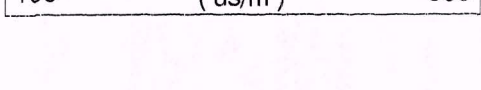
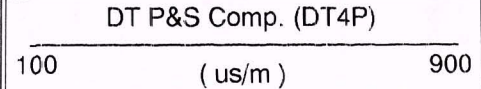
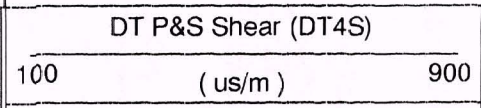
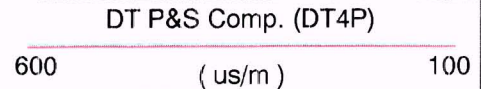
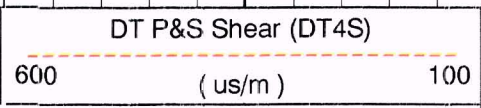
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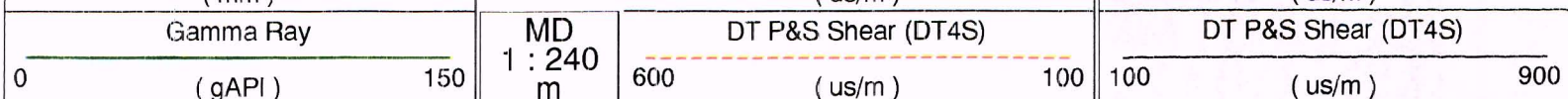
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MAIN PASS - P&S MODE - INPUT FILE #021

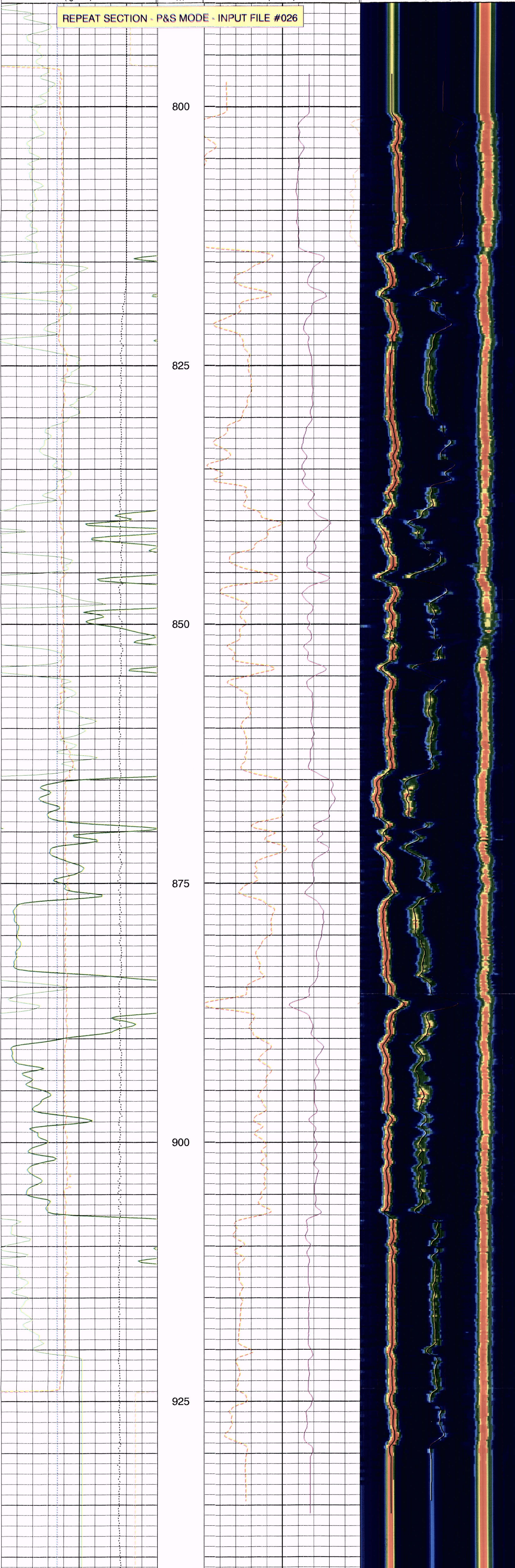


MD
1 : 240
m

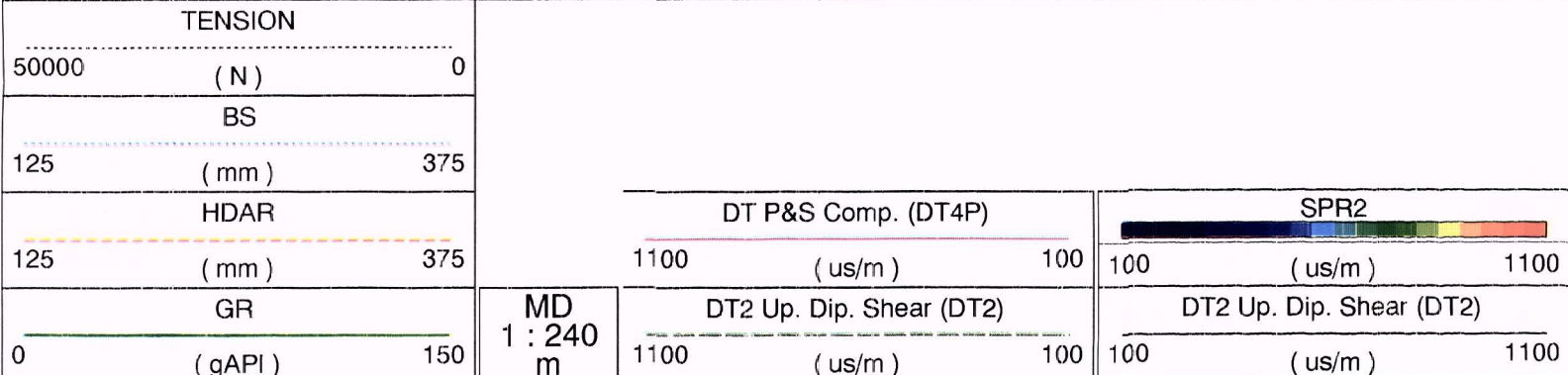
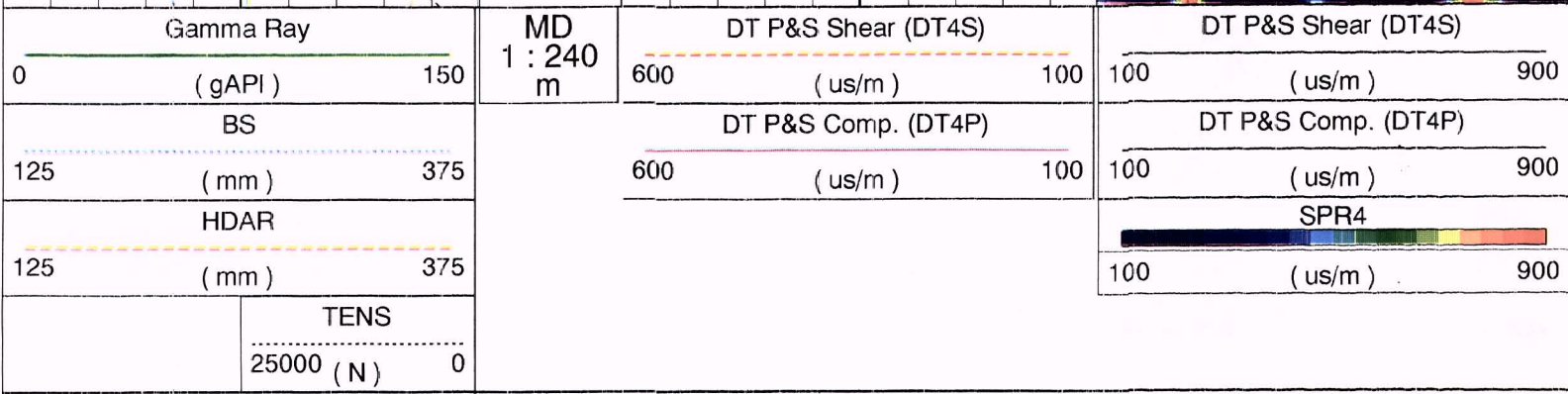




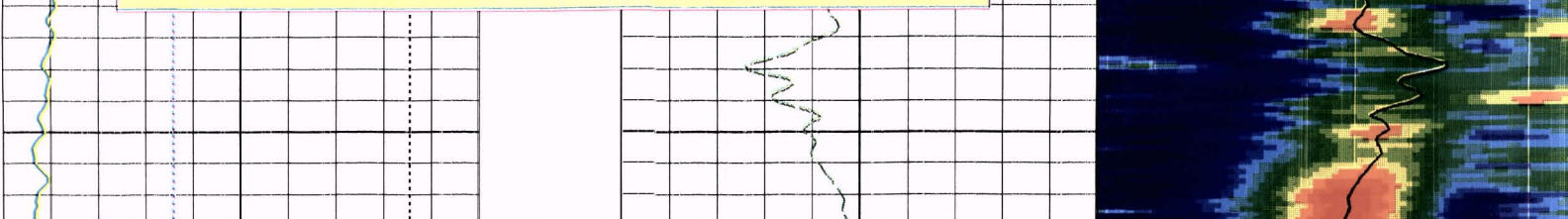
REPEAT SECTION - P&S MODE - INPUT FILE #026

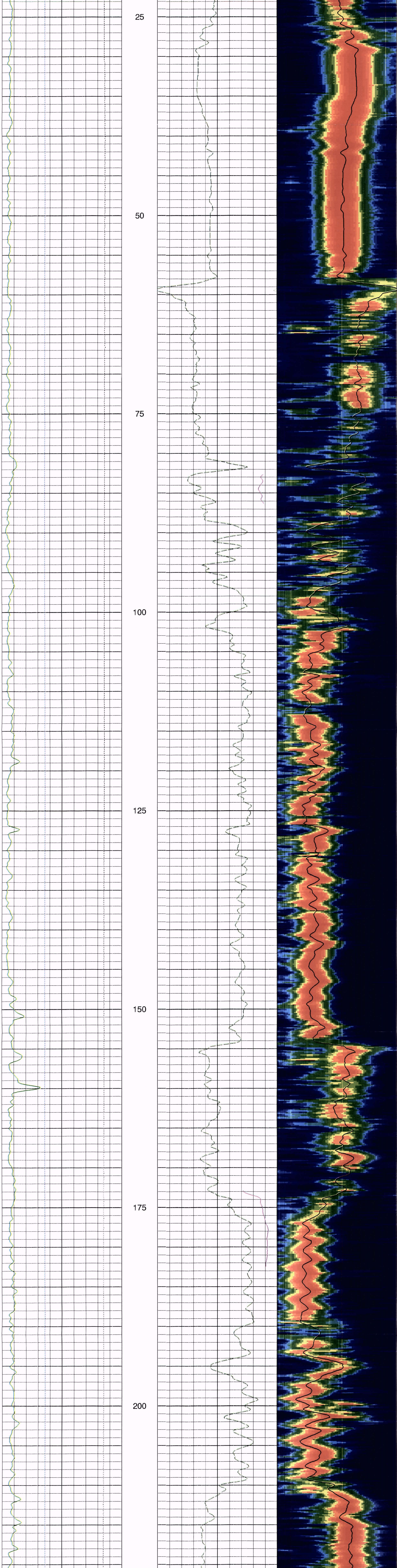


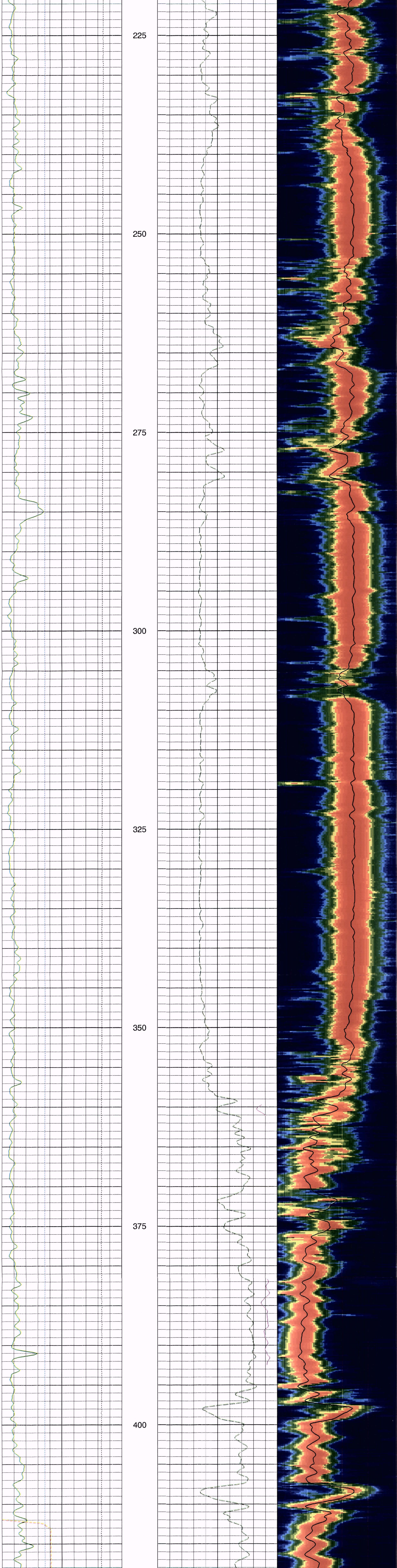
REPEAT SECTION - P&S MODE - INPUT FILE #026

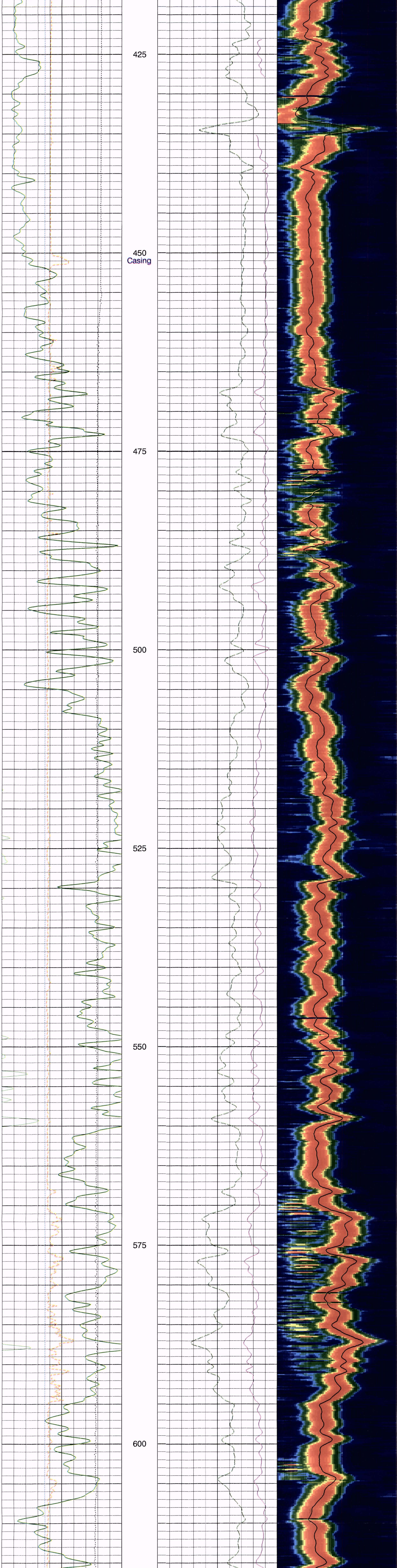


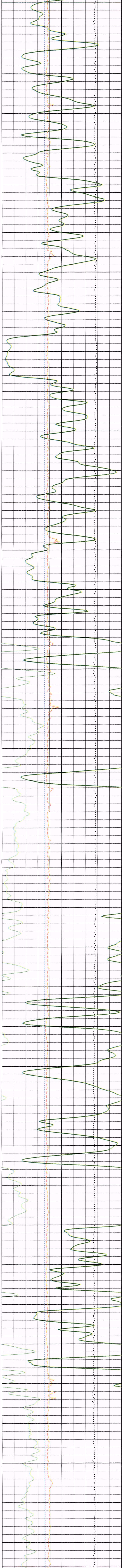
MAIN PASS - UPPER DIP. SHEAR MODE - INPUT FILE #021











625

650

675

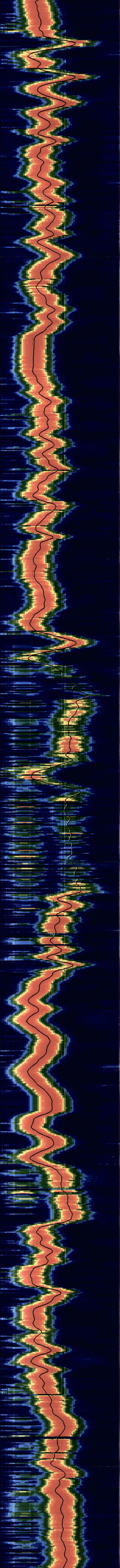
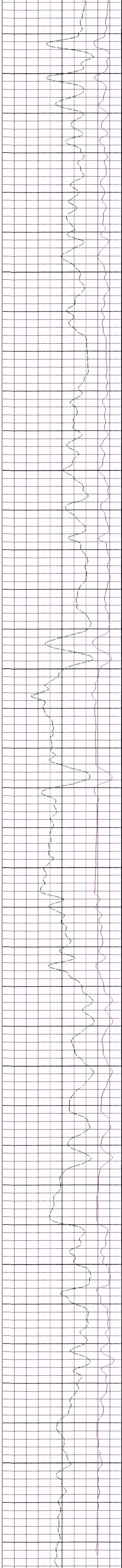
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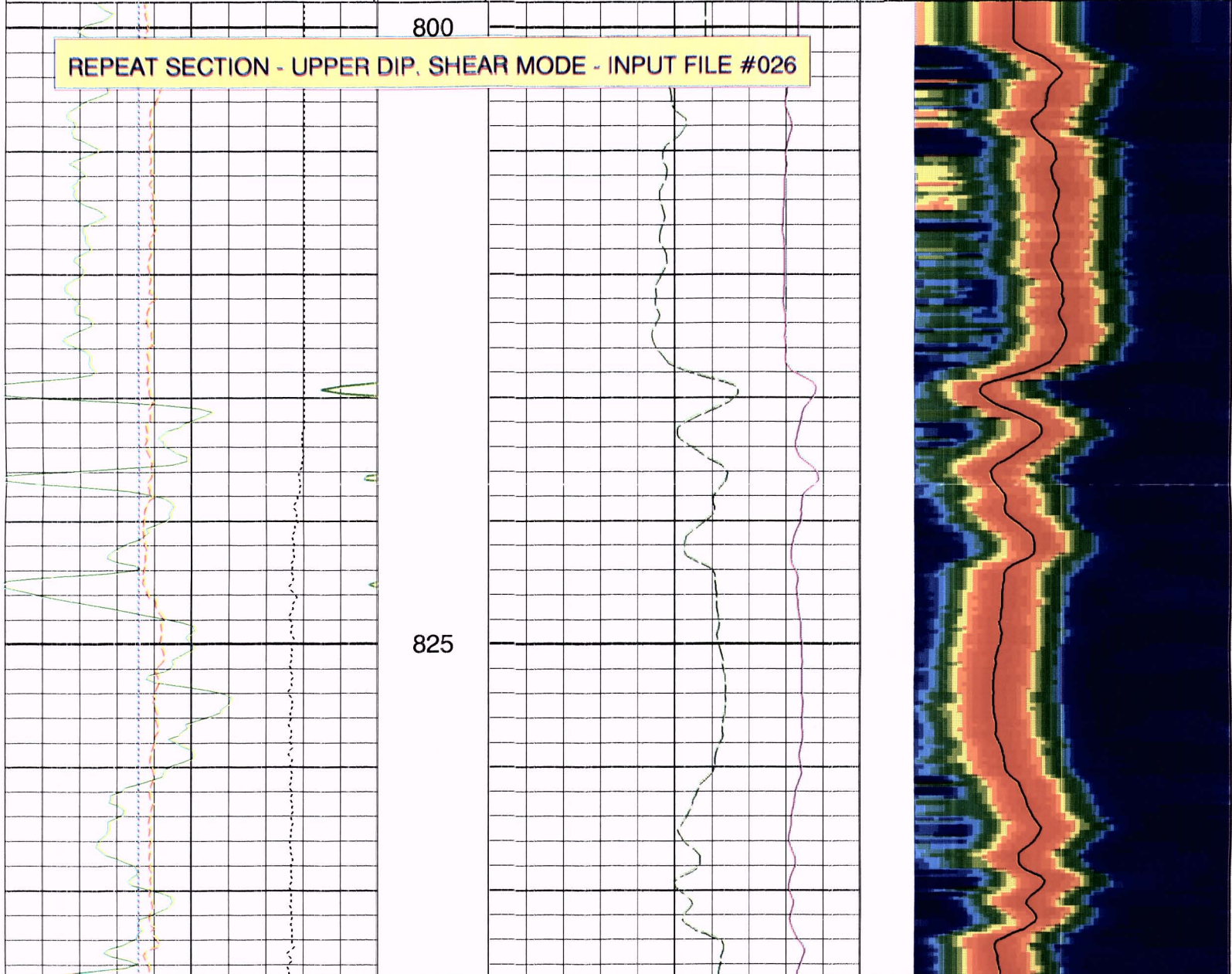
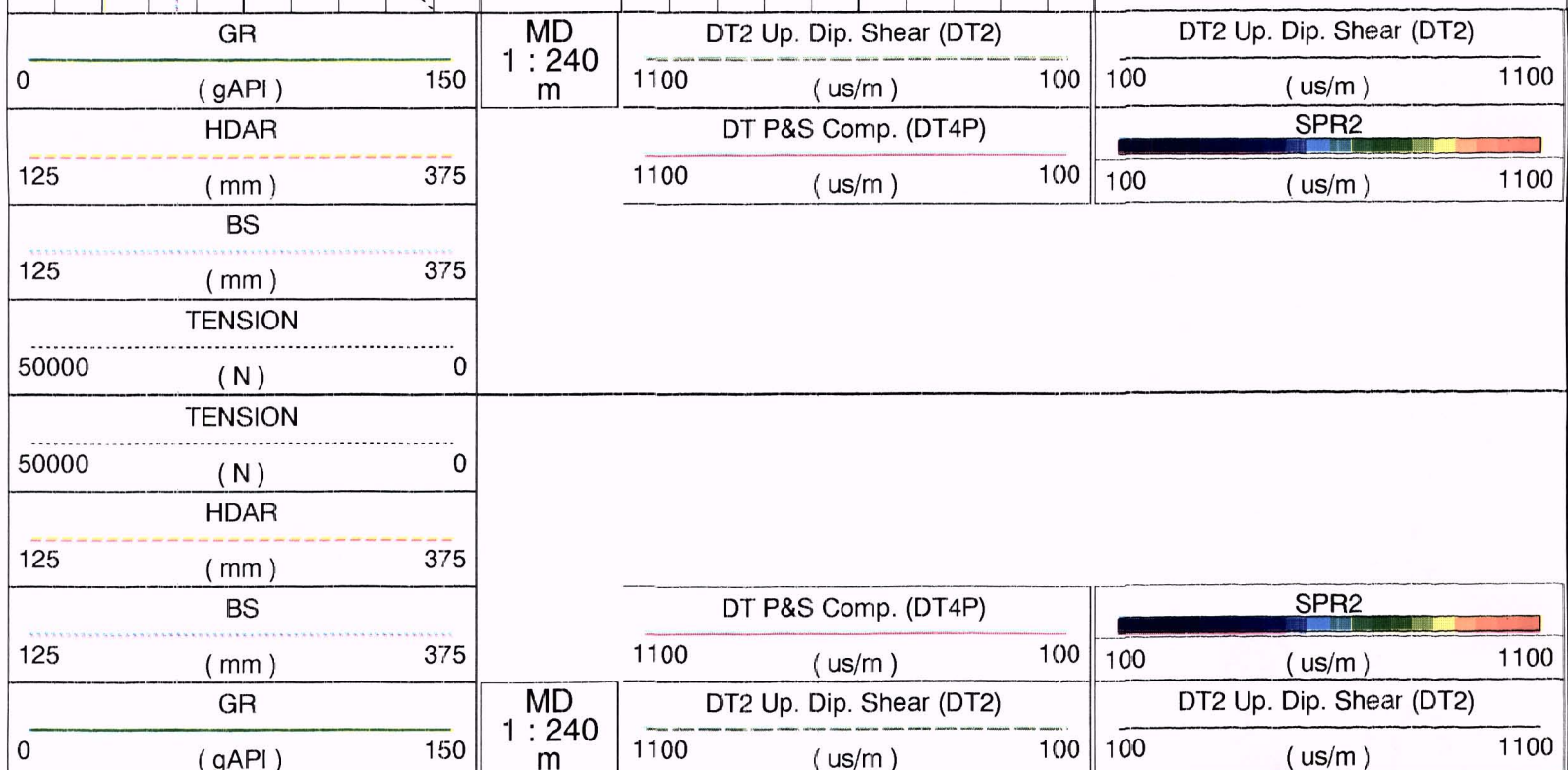
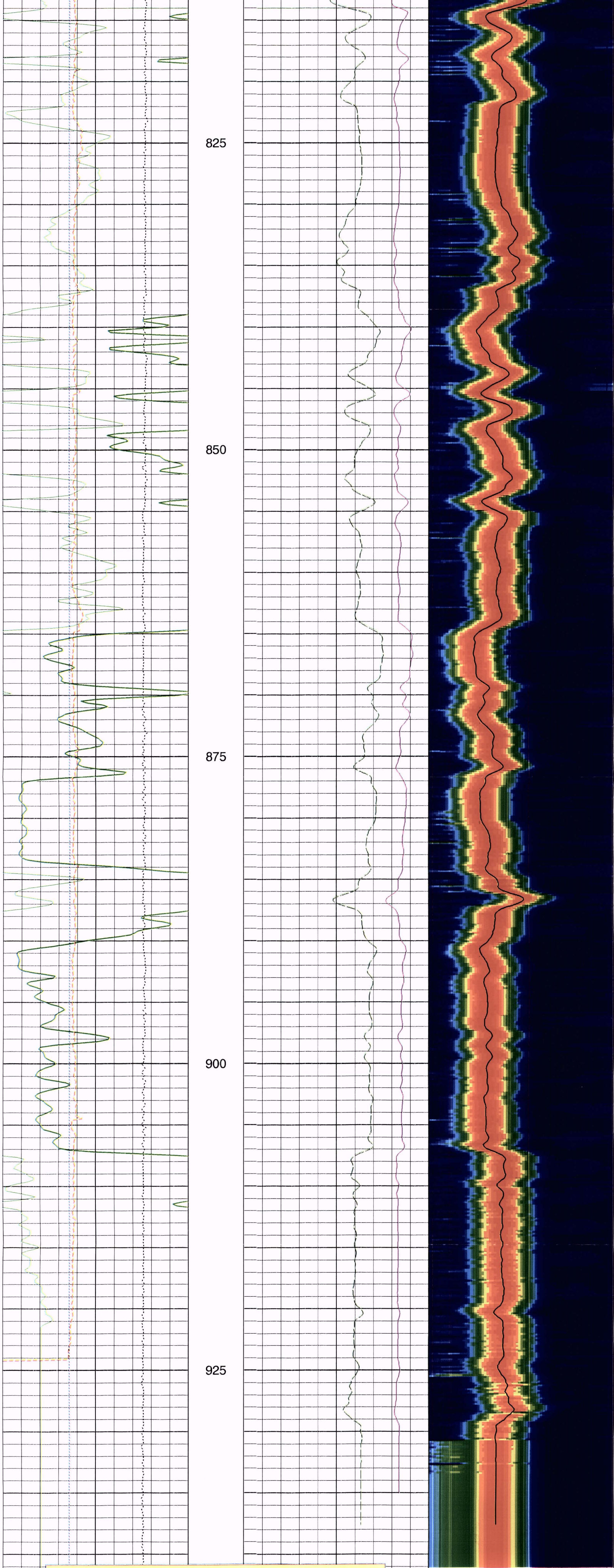
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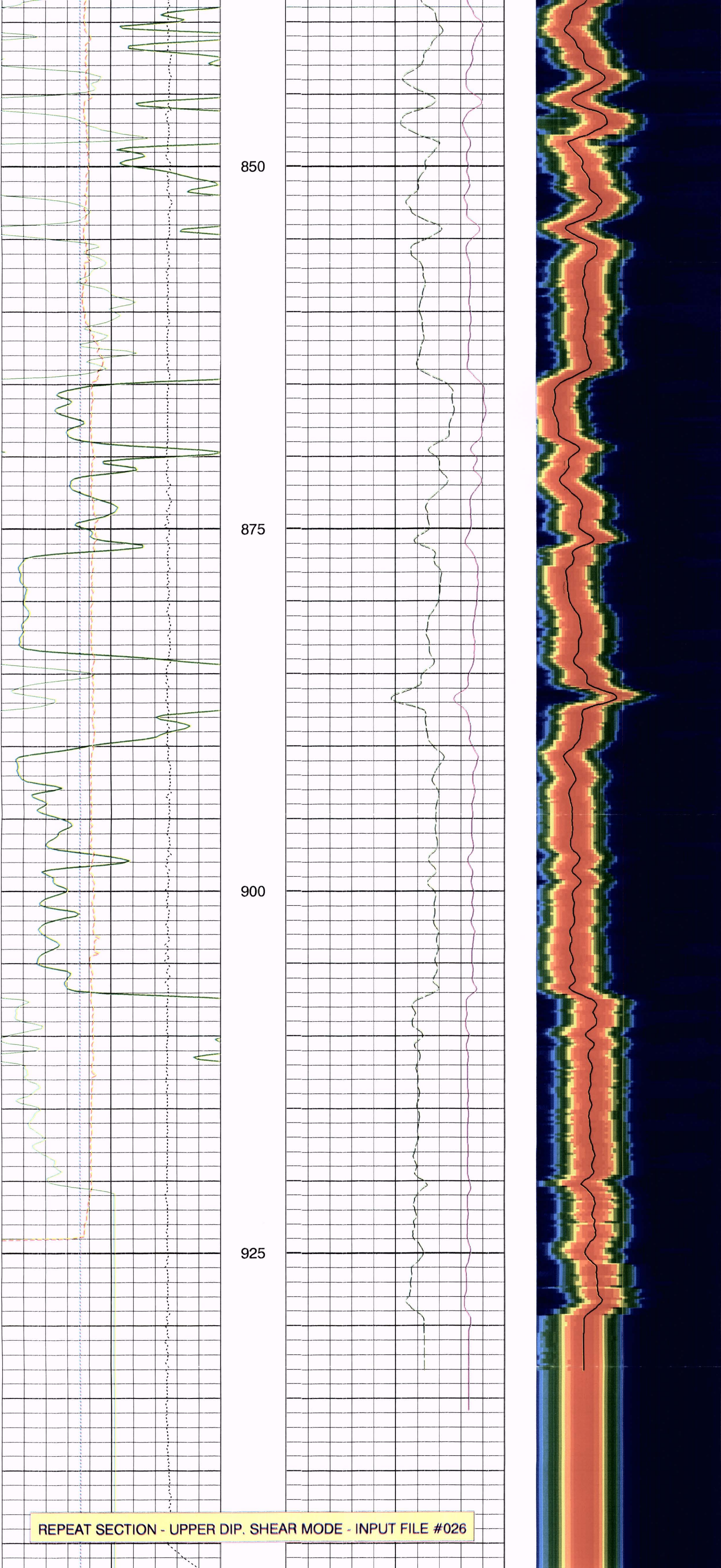
750

775

800







REPEAT SECTION - UPPER DIP. SHEAR MODE - INPUT FILE #026

GR 0 (gAPI) 150			MD 1 : 240 m	DT2 Up. Dip. Shear (DT2) 1100 (us/m) 100		DT2 Up. Dip. Shear (DT2) 100 (us/m) 1100	
BS 125 (mm) 375				DT P&S Comp. (DT4P) 1100 (us/m) 100		SPR2 100 (us/m) 1100	
HDAR 125 (mm) 375							
TENSION 50000 (N) 0							

Company:	APACHE CANADA LTD.			Schlumberger	
Well:	APACHE PARAMOUNT LAC MAUNOIR C-34				
FIELD:	UNDEFINED				
Province:	NORTHWEST TERRITORIES				
Date Logged:	20-Feb-2004	Date Processed:	23-Feb-2004		
Well Location:	UWID: 300C346720125000 LSD: C-34				
Elevations:	KB: 628m	DF: 627.7m	GL: 622.8m		
API Number:	WID: 1995	Job Number:	10764787		