

Schlumberger

Company: IMPERIAL OIL RESOURCES

Well: IMP 12 NO2-14 COLD LK 4-36-66-3

Field: UNDEFINED

County: ALBERTA

State: **MD**

TEMPERATURE LOG

County: ALBERTA
Field: UNDEFINED
Location: 3-36-66-3W4
Well: IMP 12 NO2-14 COLD LK 4-36-66-3
Company: IMPERIAL OIL RESOURCES

LOCATION

3-36-66-3W4
100043606603W400

Elev.: K.B. 660.23 m
G.L. 645.00 m
D.F.

Permanent Datum: _____
Log Measured From: _____
Drilling Measured From: _____

GROUND LEVEL
KELLY BUSHING
KELLY BUSHING

Elev.: 645.00 m
5.23 m above Perm. Datum

API Serial No.
0446811

Section
03-36

Township
066

Range
03W4

Logging Date	8-Dec-2016			
Run Number	1			
Depth Driller	617 m			
Schlumberger Depth	605 m			
Bottom Log Interval	605 m			
Top Log Interval	5 m			
Casing Fluid Type	BOILER FEED			
Salinity				
Density				
Fluid Level	446 m			
BIT/CASING/TUBING STRING				
Bit Size	311,000 mm			
From	5.23 m			
To	617 m			
Casing/Tubing Size	73,000 mm			
Weight	9,673 kg/m			
Grade	J-55			
From	4.47 m			
To	610.78 m			
Maximum Recorded Temperatures	130 degC			
Logger On Bottom	8-Dec-2016	Time	12:00	
Unit Number	Location	15217	LL OYDMINSTER PS	
Recorded By	JON ATTIG			
Witnessed By	PETE KRAWIEC			

PVT DATA				
Oil Density	Run 1	Run 2	Run	
Water Salinity				
Gas Gravity				
Bo				
Bw				
1/Bq				
Bubble Point Pressure				
Bubble Point Temperature				
Solution GOR				
Maximum Deviation				
CEMENTING DATA				
Primary/Squeeze	Primary			
Casing String No				
Lead Cement Type				
Volume				
Density				
Water Loss				
Additives				
Tail Cement Type				
Volume				
Density				
Water Loss				
Additives				
Expected Cement Top				
Logging Date				
Run Number				
Depth Driller				
Schlumberger Depth				
Bottom Log Interval				
Top Log Interval				
Casing Fluid Type				
Salinity				
Density				
Fluid Level				
BIT/CASING/TUBING STRING				
Bit Size				
From				
To				
Casing/Tubing Size				
Weight				
Grade				
From				
To				
Maximum Recorded Temperatures				
Logger On Bottom		Time		
Unit Number	Location			
Recorded By				
Witnessed By				

DEPTH SUMMARY LISTING

Date Created: 8-DEC-2016 14:07:51

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-B Serial Number: 6398 Calibration Date: Calibrator Serial Number: 4 Calibration Cable Type: 1-33A-SLC Wheel Correction 1: -3 Wheel Correction 2: 0	Type: CMTD-B/A Serial Number: Calibration Date: 15-NOV-2016 Calibrator Serial Number: Number of Calibration Points: 10 Calibration RMS: Calibration Peak Error:	Type: 1-33A-SLC Serial Number: Length: 2500 M Conveyance Method: Wireline Rig Type: LAND

Depth Control Parameters

Log Sequence: First Log In the Well
Rig Up Length At Surface: 0.00 M
Rig Up Length At Bottom: 0.00 M
Rig Up Length Correction: 0.00 M
Stretch Correction:
Tool Zero Check At Surface:

Depth Control Remarks

1. ALL SCHLUMBERGER DEPTH CONTROL PROCEDURES FOLLOWED
2. IDW USED AS PRIMARY DEPTH CONTROL
3. Z-CHART USED AS SECONDARY DEPTH CONTROL
- 4.
- 5.
- 6.

DISCLAIMER

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OTHER SERVICES1

OS1: OCL/GR
OS2:
OS3:
OS4:
OS5:

OTHER SERVICES2

OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1

LOGGED DOWN AT 10 M/MIN

FLUID LEVEL DERIVED FROM LOG @ 446 MKB

LAST FLUID MOVEMENT: 25-NOV-2016 (N2 PURGED)

MAX TEMP 130 DEGC AT 600 MKB

DID NOT REQUIRE TRACTOR

CLEARWATER TOP AT 556.1 MKB




BURST NIPPLE TOP AT 583.8 MKB

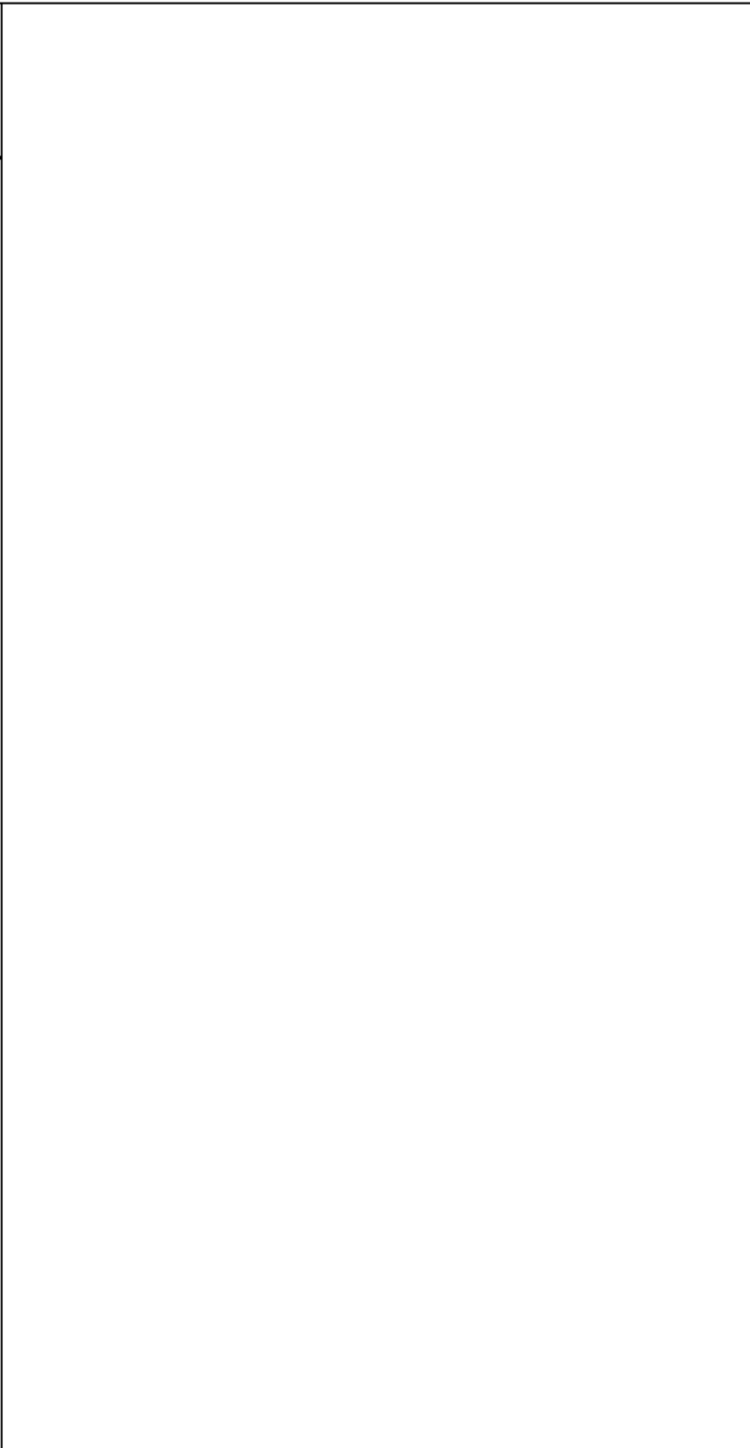
REMARKS: RUN NUMBER 2

PSN TOP AT 603.26 MKB					
:AFTER SITP: 450 KPA					
AFTER SICP: 2000 KPA					
YOUR CREW TODAY: J.ATTIG, B.FAIRHURST					
RUN 1		RUN 2			
SERVICE ORDER #:		DKRF-00022		SERVICE ORDER #:	
PROGRAM VERSION:		19C2-270		PROGRAM VERSION:	
FLUID LEVEL:		446 m		FLUID LEVEL:	
LOGGED	INTERVAL	START	STOP	LOGGED	INTERVAL

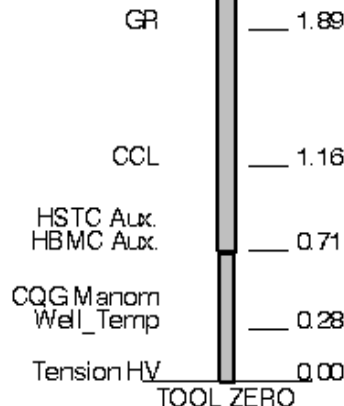
EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT		
WITM-A PSC_16MHZ		

DOWNHOLE EQUIPMENT		
MH-22 MH-22		8.96
AH-38		8.48
AH-TRACTOR AH-TRACTOR		8.39



HBMS-B
PSC-A
HUDH-A
HSTC-A
HBMC-A
GR
CCL
HBMC
HTPS-A
HCQG_E_Mano
RTD_Thermometer



3.39

MAXIMUM STRING DIAMETER 52 MM
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Schlumberger

DOWN PASS 9 M/MIN

MAXIS Field Log

Company: IMPERIAL OIL RESOURCES

Well: IMP 12 NO2-14 COLD LK 4-36-66-3

Input DLIS Files

DEFAULT	Rip_HBMS_015PUP	PRODUCER	08-Dec-2016 13:59	609.8 M	3.0 M
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Output DLIS Files

DEFAULT	HBMS_016PUP	FN:14	PRODUCER	08-Dec-2016 14:00	609.8 M	3.0 M
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OP System Version: 19C2-270

HBMS-B 19C2-270

PIP SUMMARY

☒ Time Mark Every 60 S

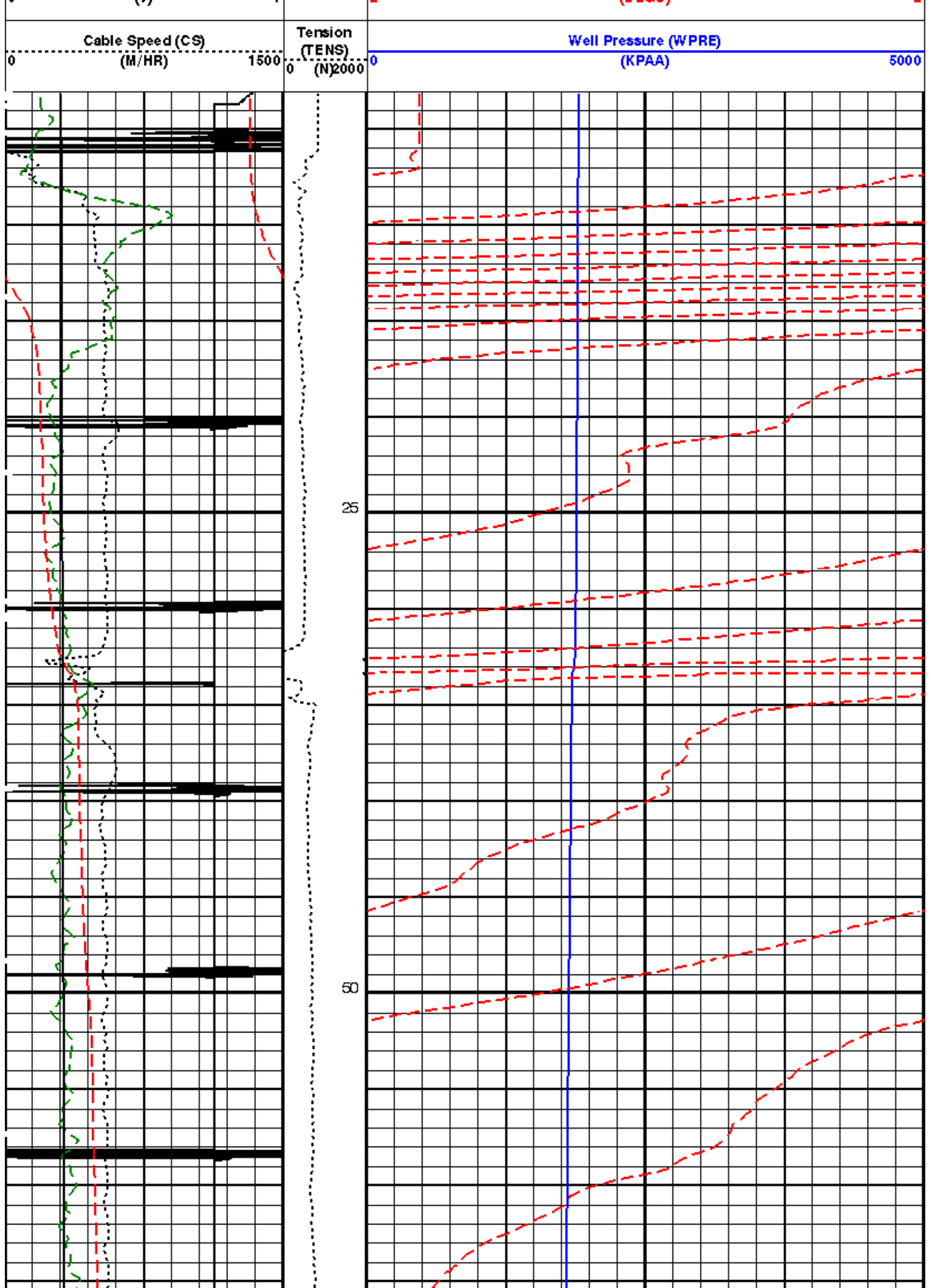
Well Temperature (WTEP)
(DEGC) 0 150

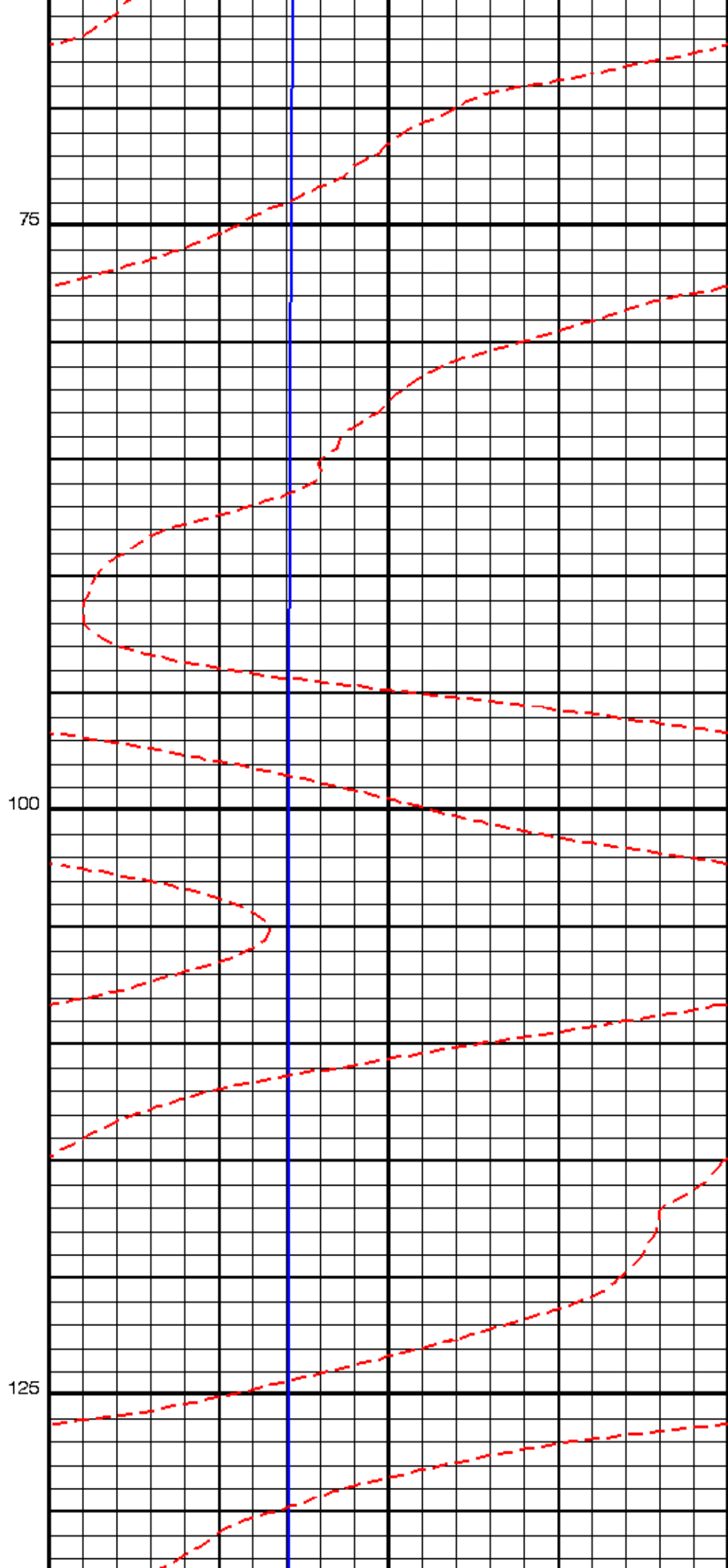
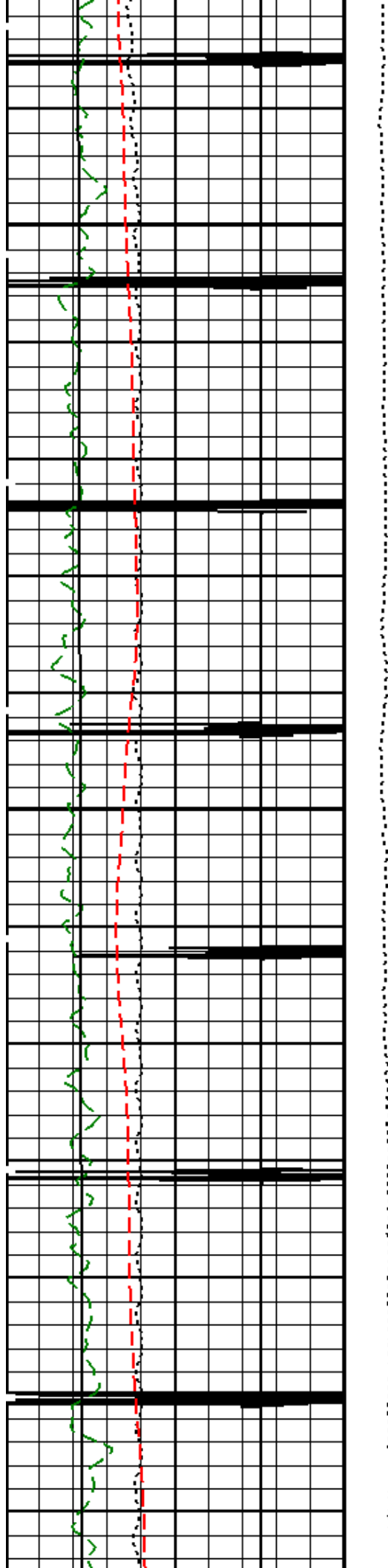
Temperature (TEMP)
(DEGC) 0 100

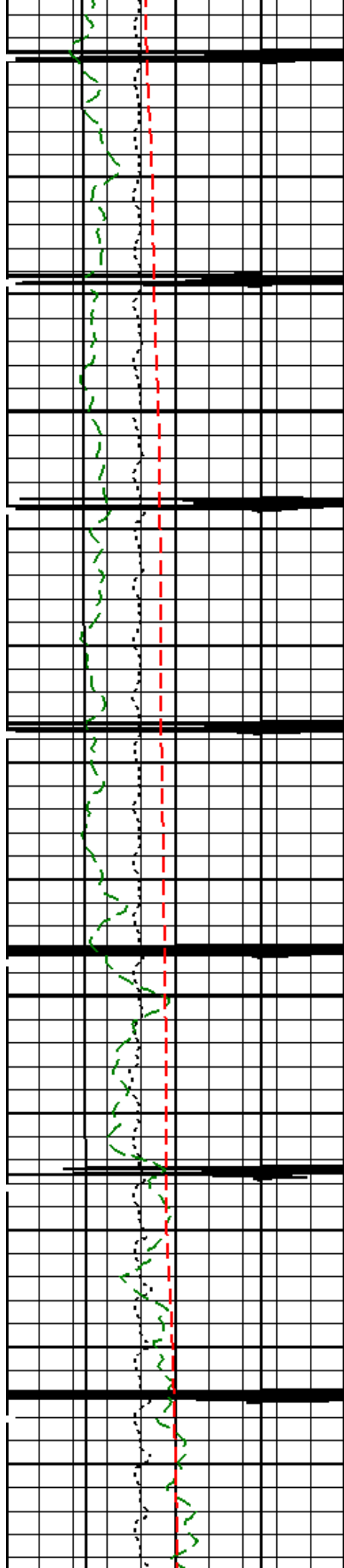
Gamma Ray (GR)
(GAPI) 0 100

Discriminated CCL (CCLD)
(M) 3 -1

Well Temperature (WTEP)
(DEGC) 2 -2

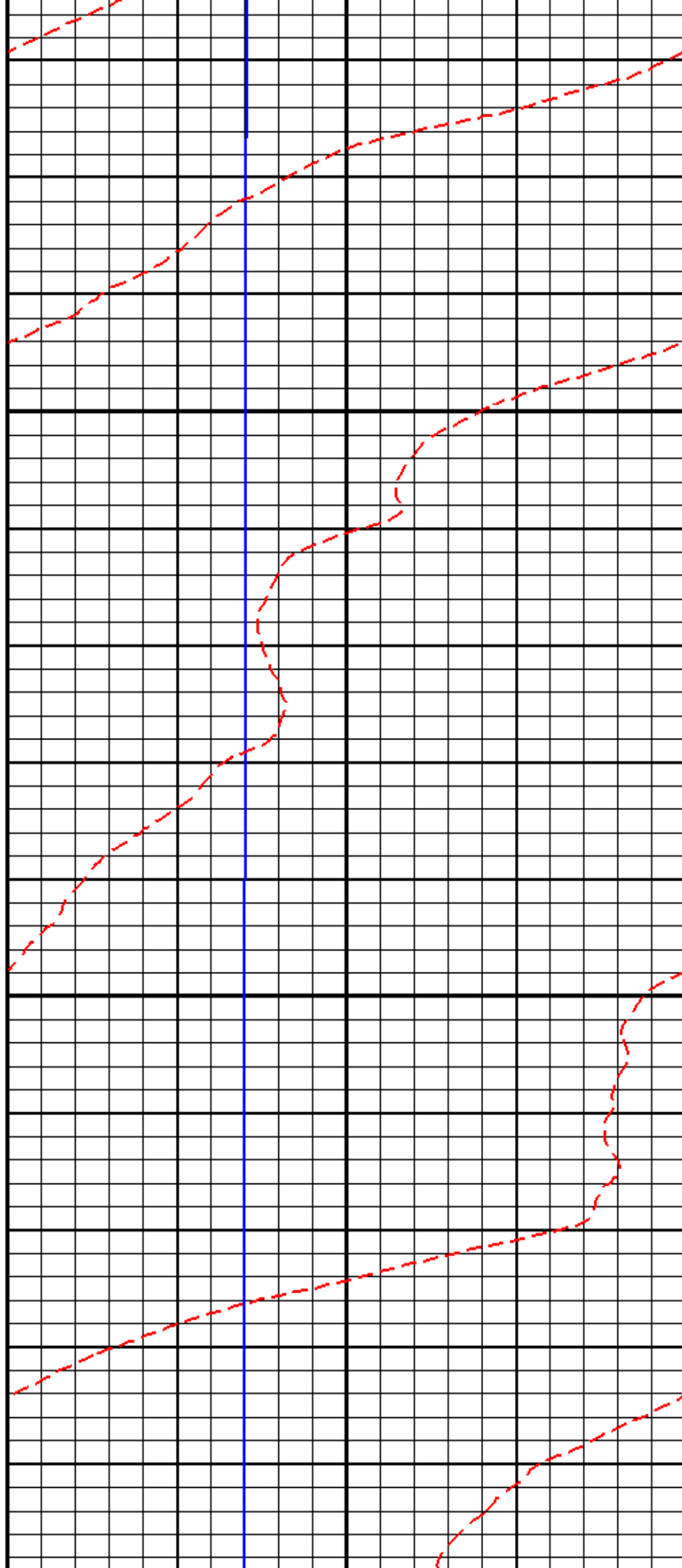


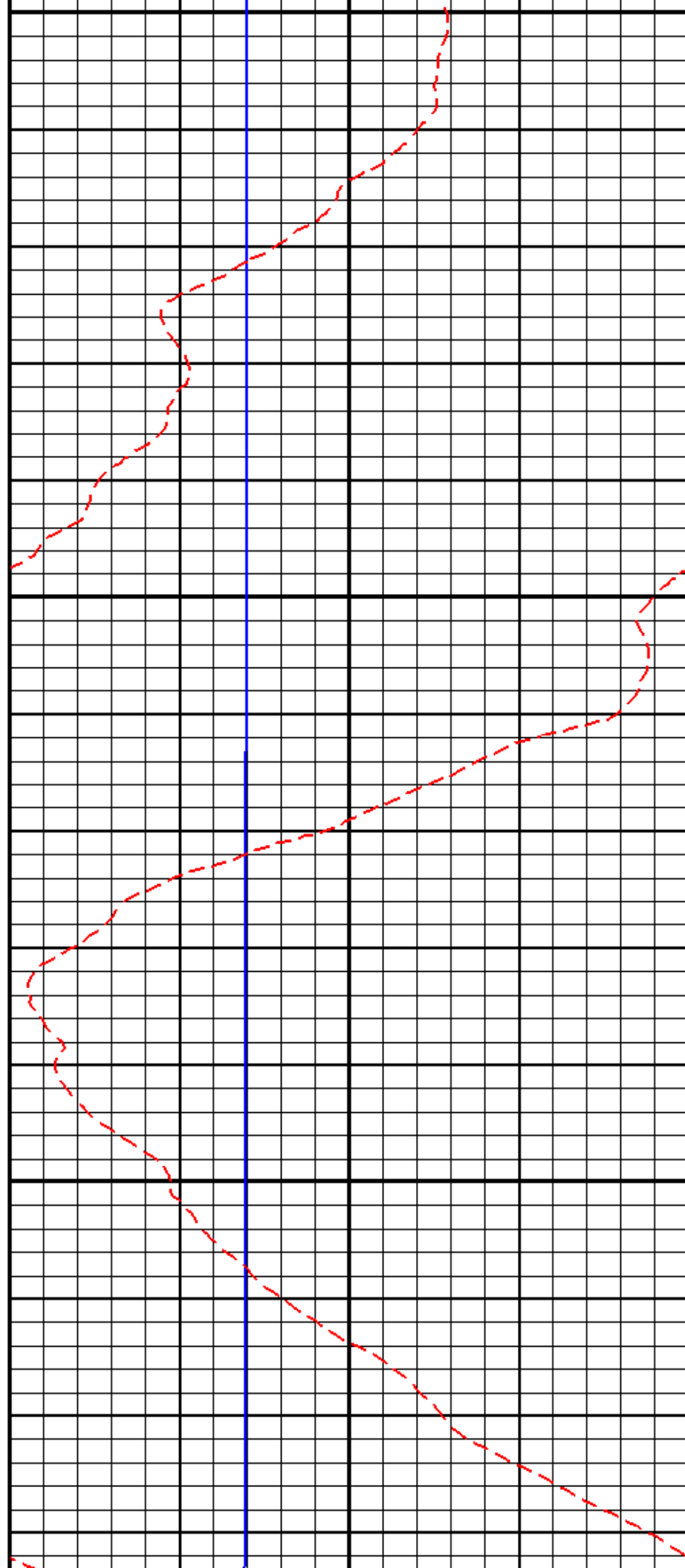
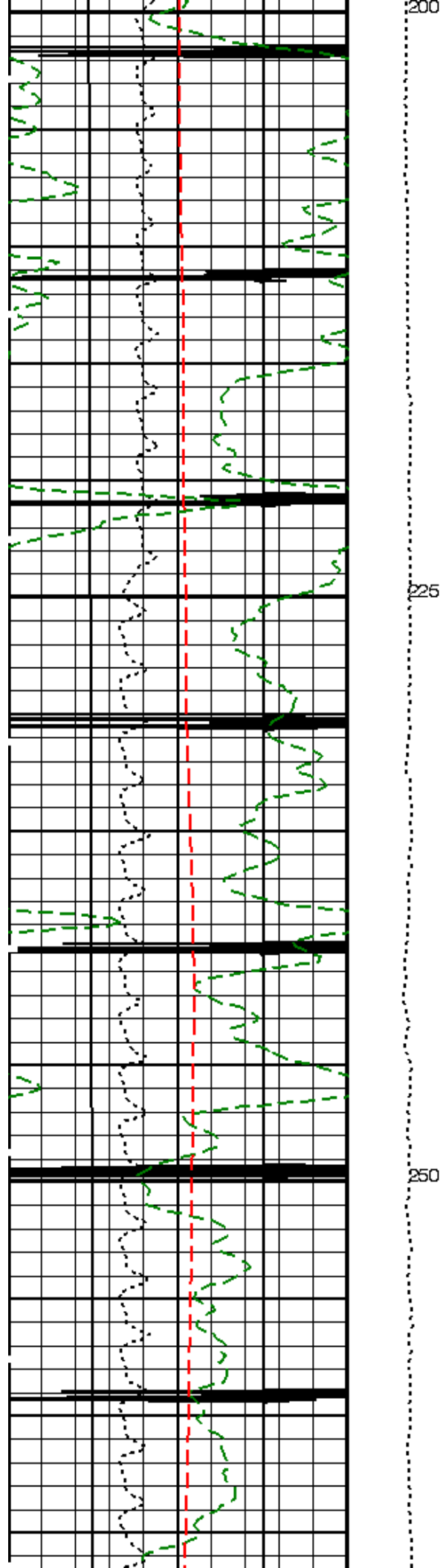


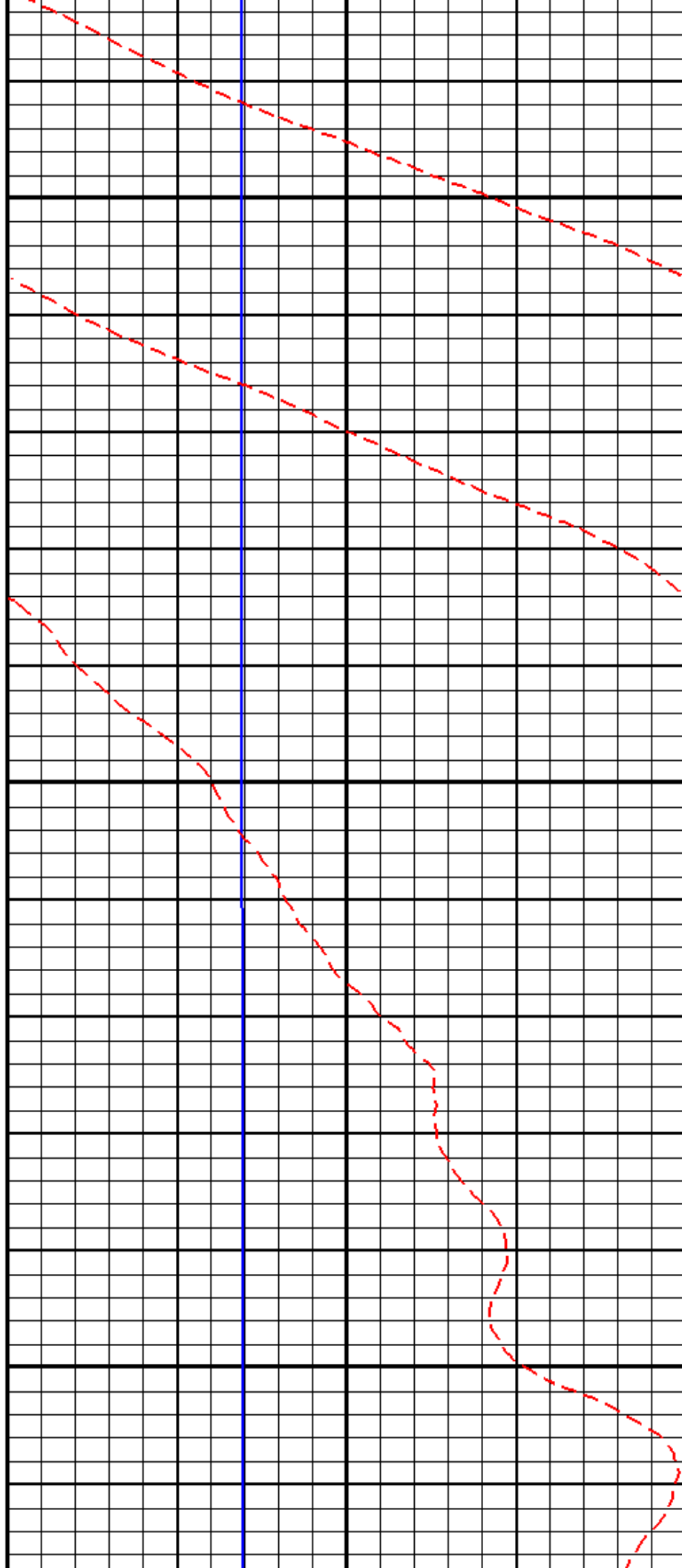
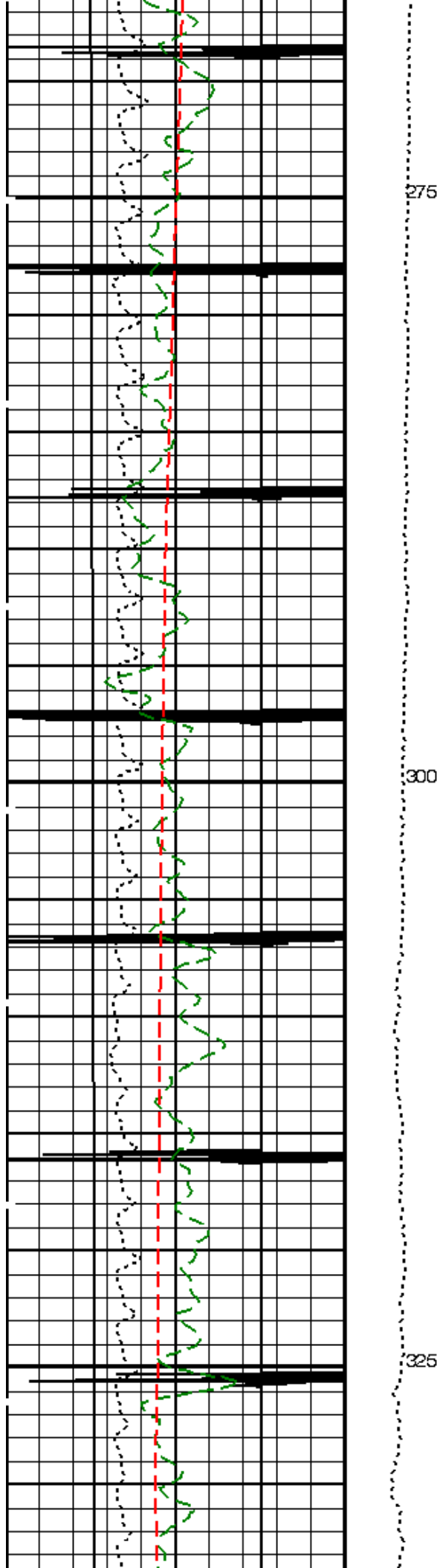


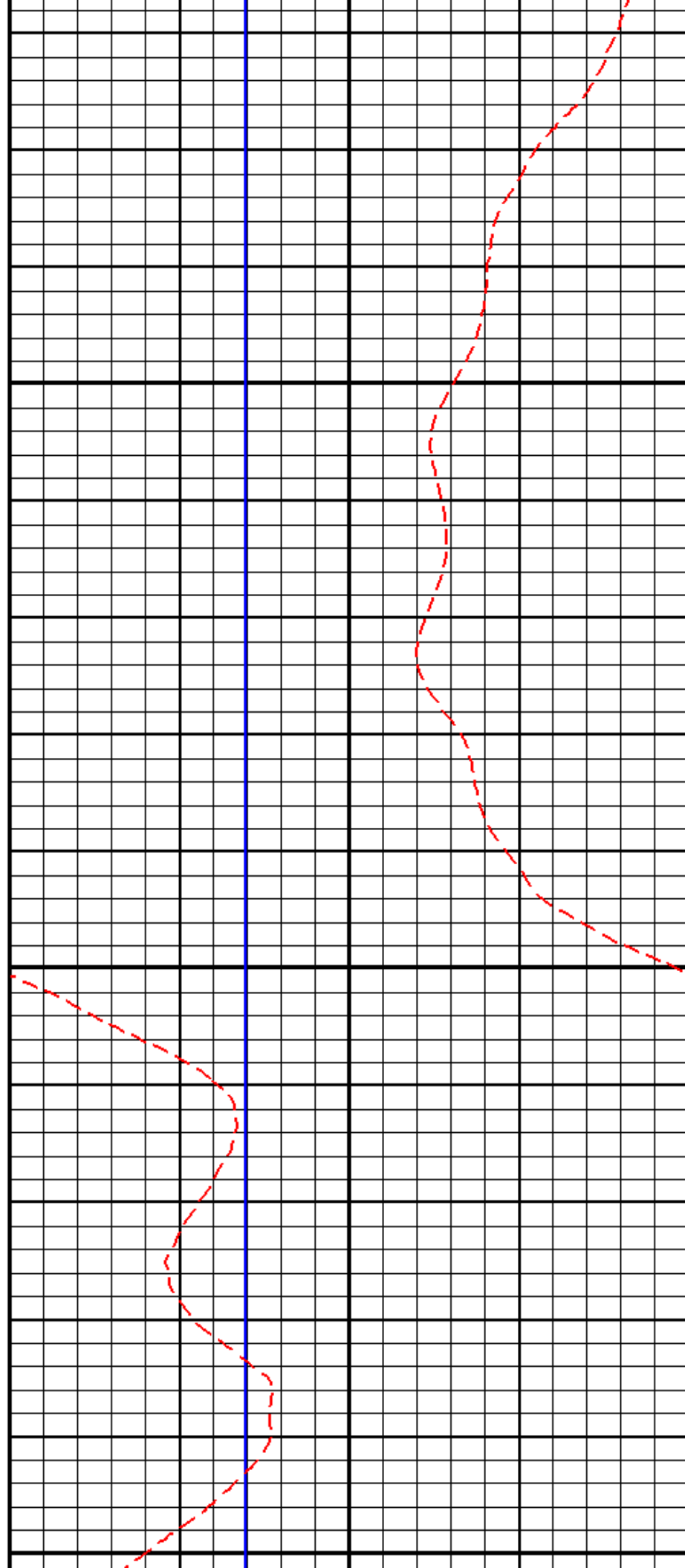
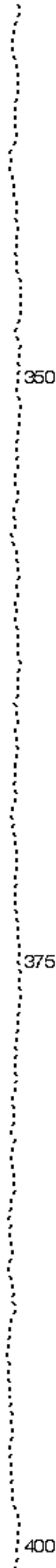
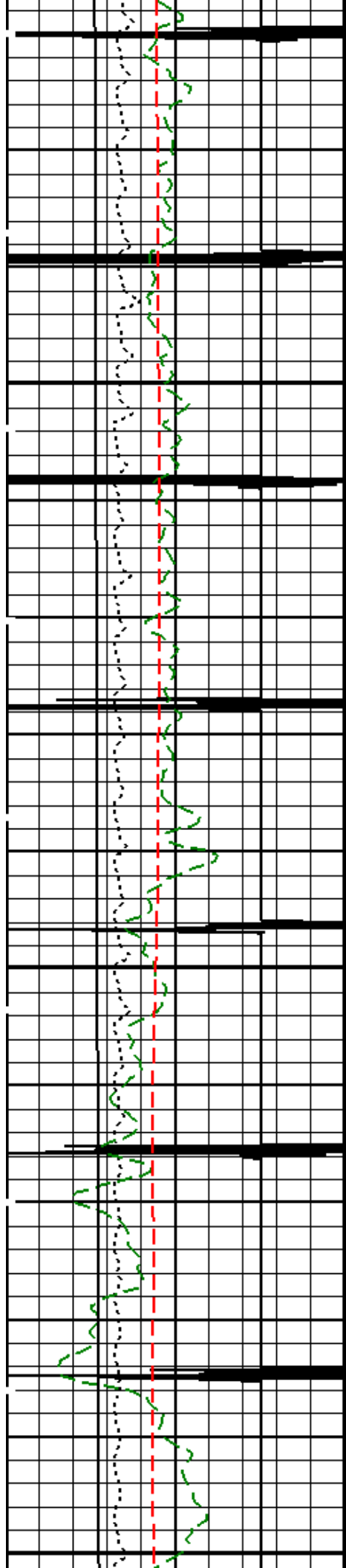
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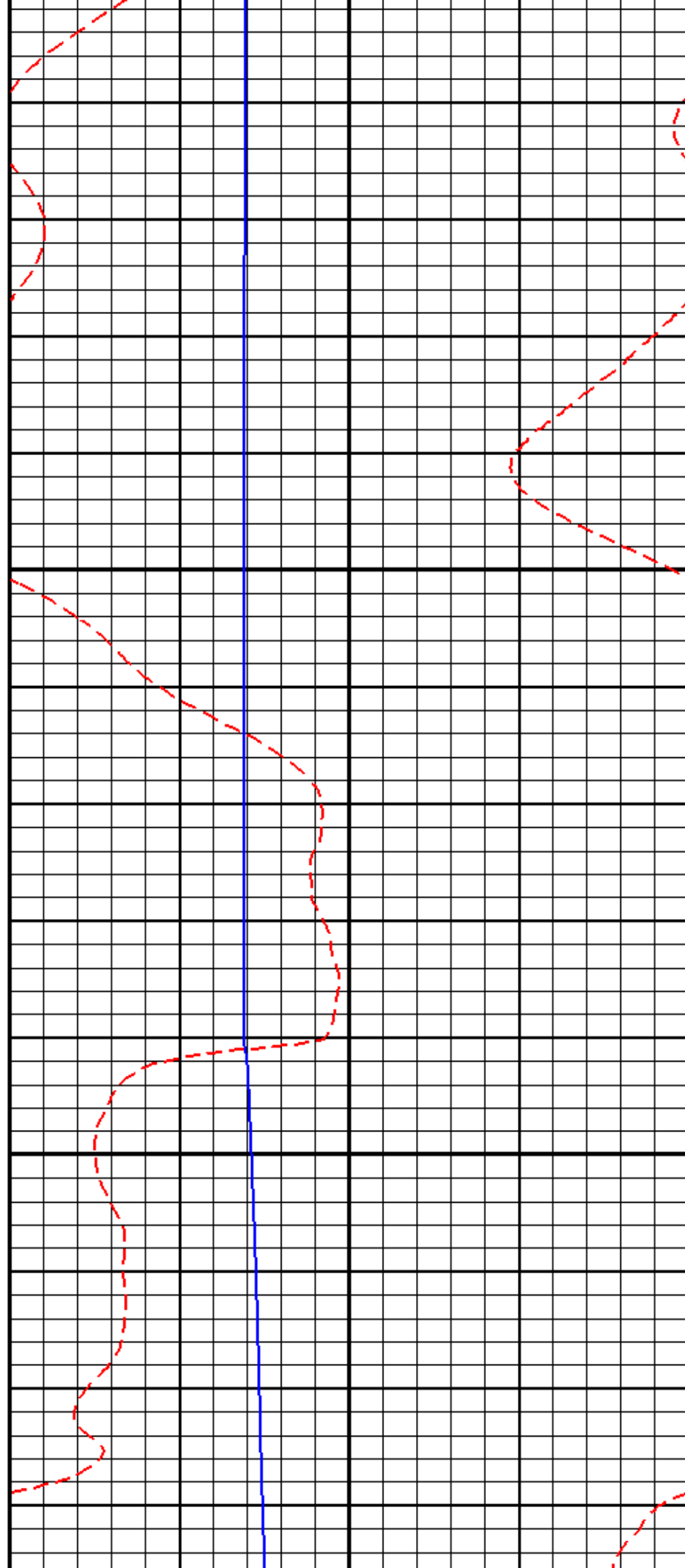
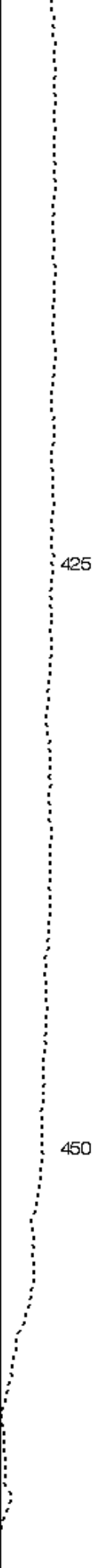
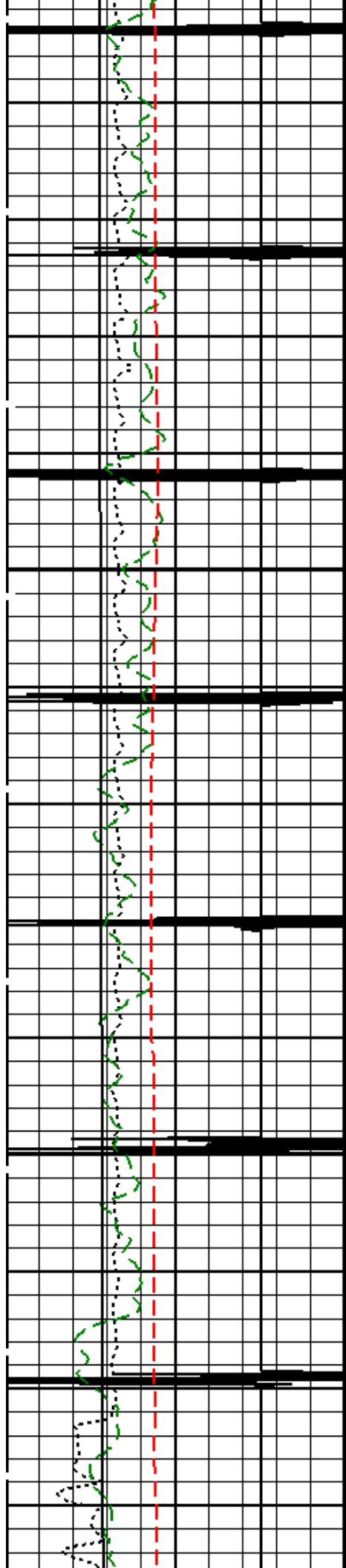
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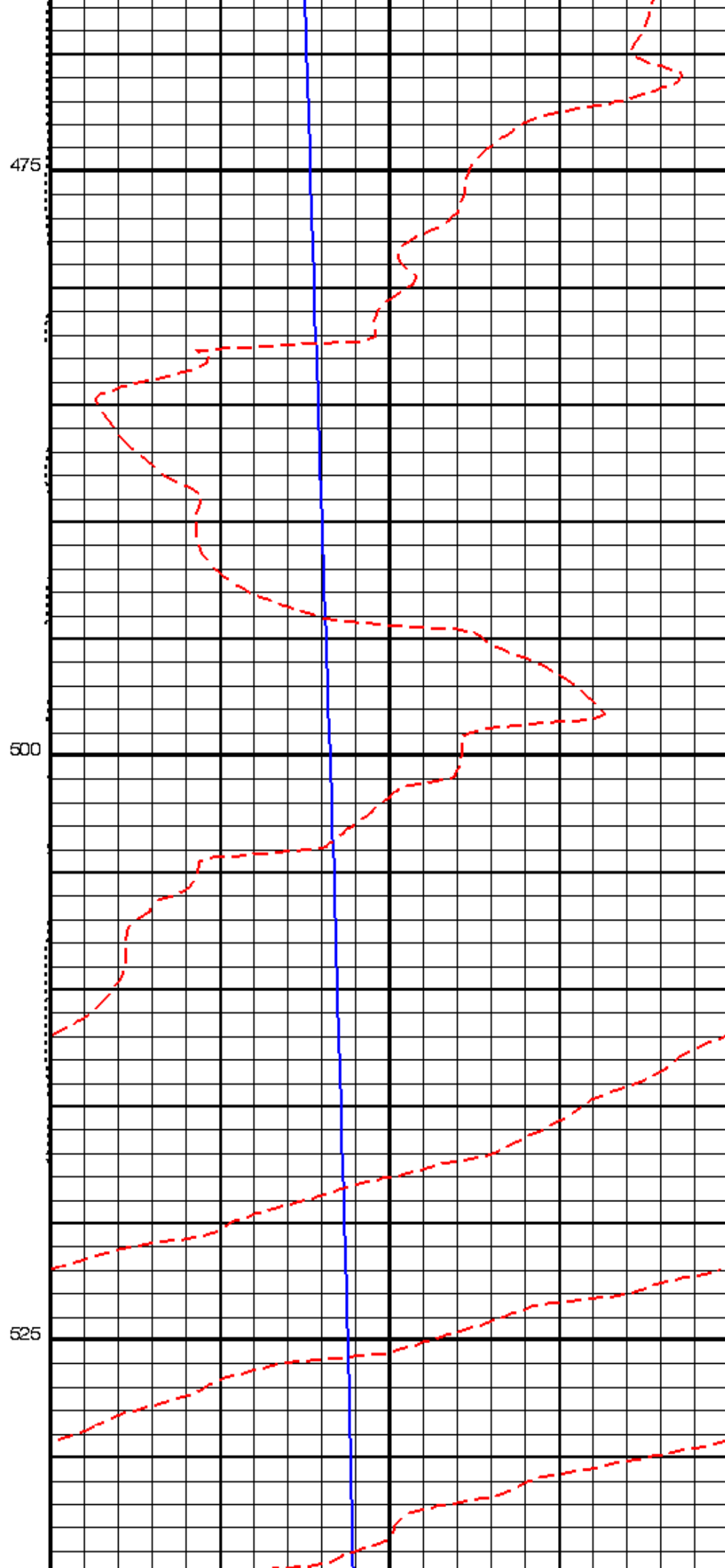
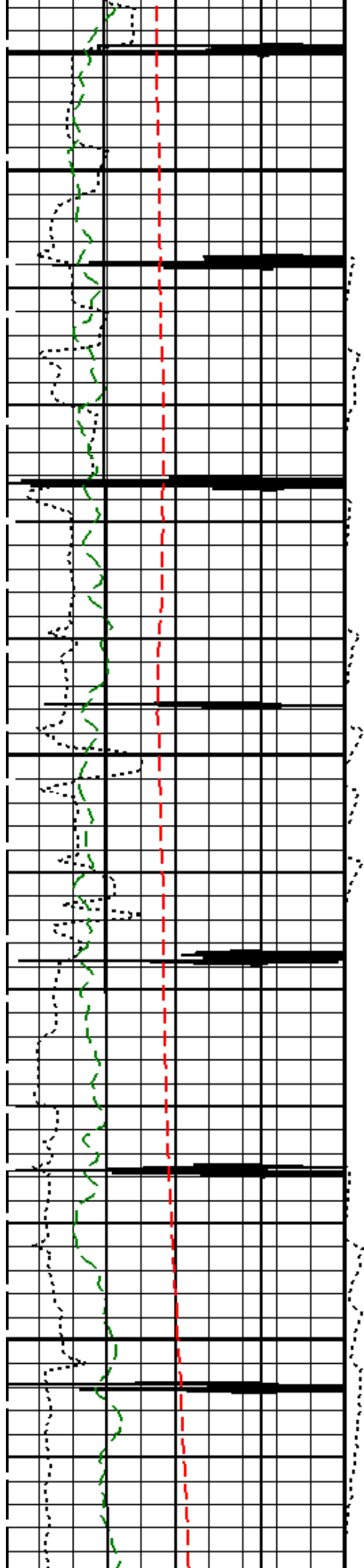


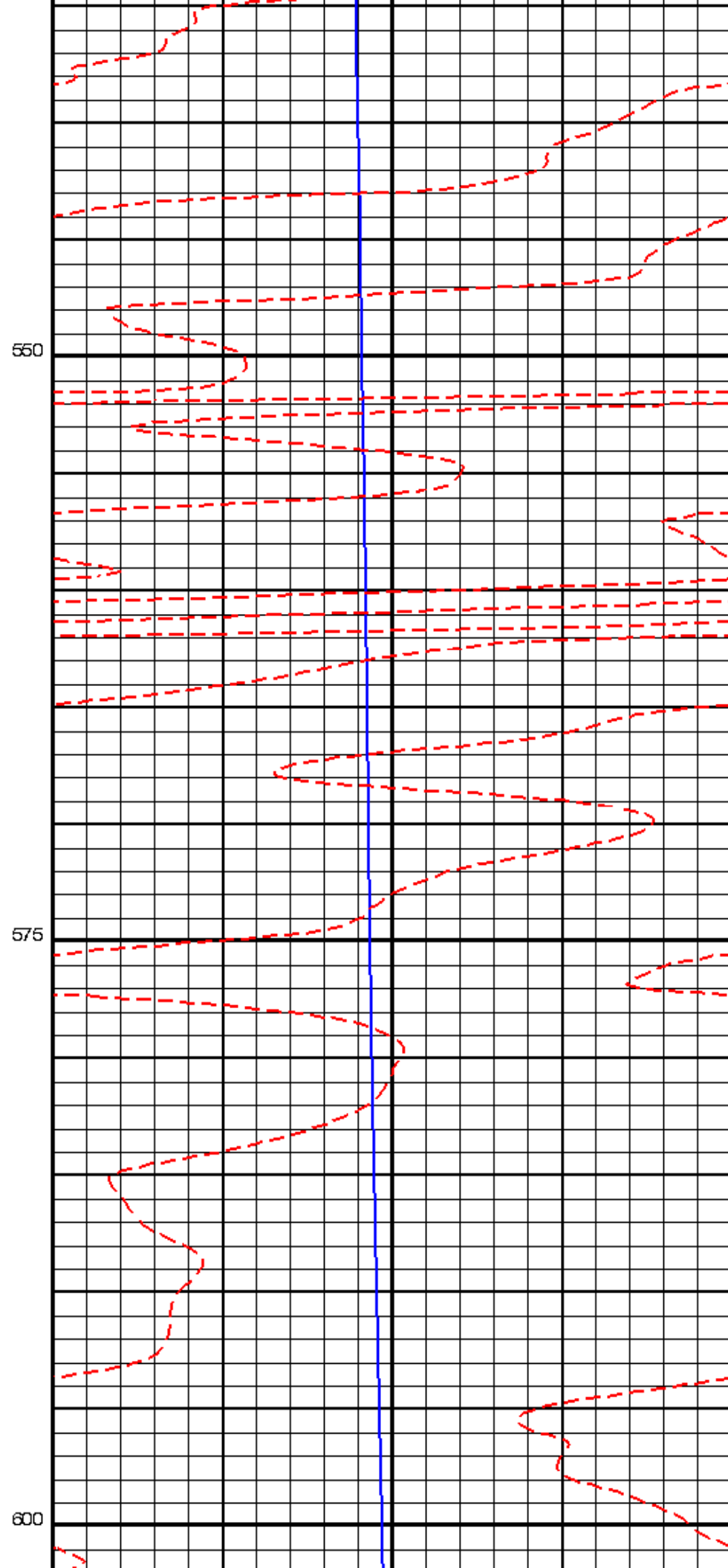
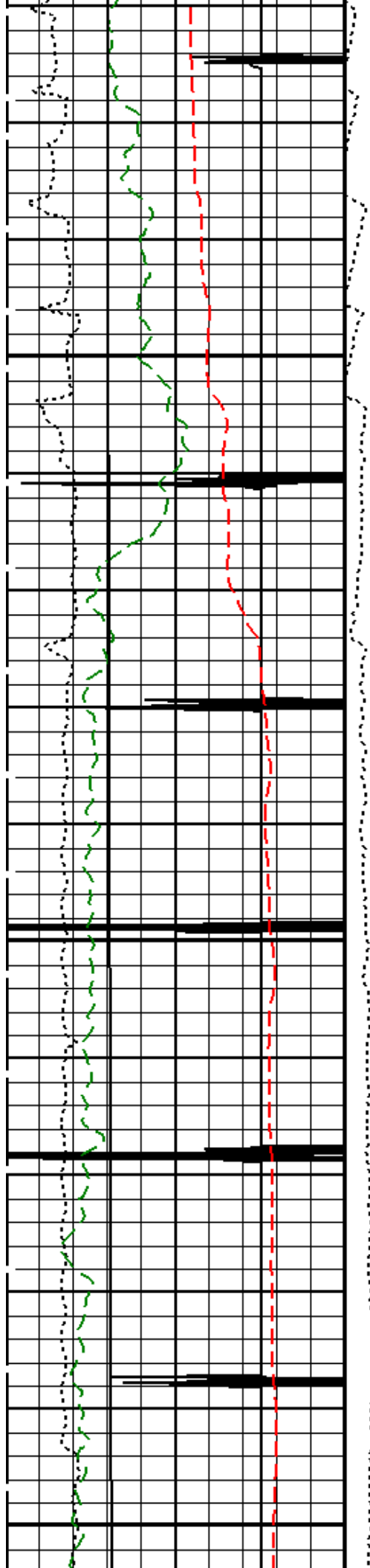


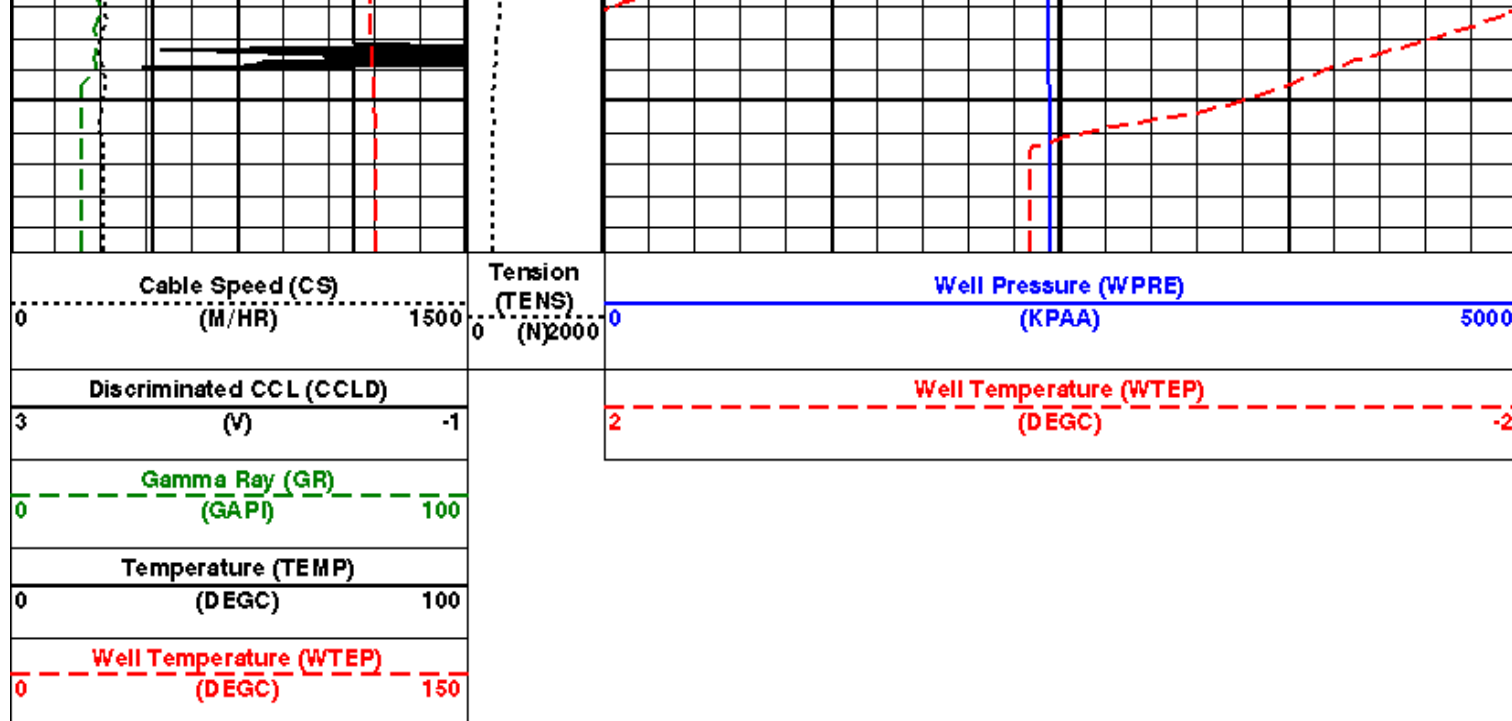












PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:240

Graphics File Created: 08-Dec-2016 14:00

OP System Version: 19C2-270

HBMS-B

19C2-270

Parameters

DLIS Name	Description	Value
HBMS-B: High Temperature PSP Basic Measurement Sonde		
BHT	Bottom Hole Temperature (used in calculations)	100 DEGC
GGRD	Geothermal Gradient	0.018227 DC/M
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	20 DEGC
RQL: RSTPro Reservoir Quick Look		
BHT	Bottom Hole Temperature (used in calculations)	100 DEGC
GGRD	Geothermal Gradient	0.018227 DC/M
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	20 DEGC
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL
TD	Total Depth	-50000 M

Input DLIS Files

DEFAULT	Rip_HBMS_015PUP	PRODUCER	08-Dec-2016 13:59	609.8 M	3.0 M
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Output DLIS Files

DEFAULT	HBMS_016PUP	FN:14	PRODUCER	08-Dec-2016 14:00
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Schlumberger

UP PASS 9 M/MIN

Input DLIS Files

DEFAULT

HBMS_013LUP

FN:12

PRODUCER

08-Dec-2016 13:19

603.4 M

284.5 M

Output DLIS Files

DEFAULT

HBMS_014PUP

FN:13

PRODUCER

08-Dec-2016 13:57

607.6 M

288.8 M

OP System Version: 19C2-270

HBMS-B

19C2-270

PIP SUMMARY

☒ Time Mark Every 60 S

Well Temperature (WTEP)
(DEGC) 0 150

Temperature (TEMP)
(DEGC) 0 100

Gamma Ray (GR)
(GAPI) 0 100

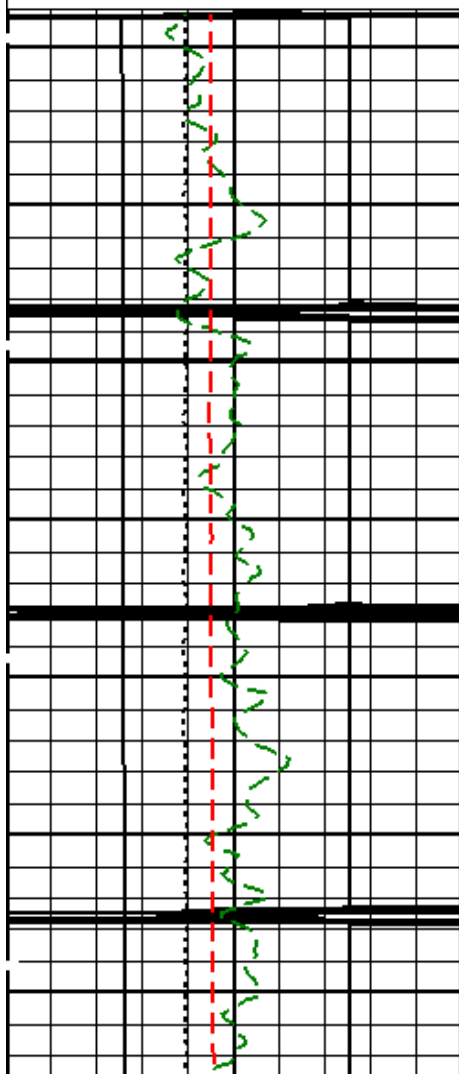
Discriminated CCL (CCLD)
(V) 3 -1

Cable Speed (CS)
(M/HR) 0 1500

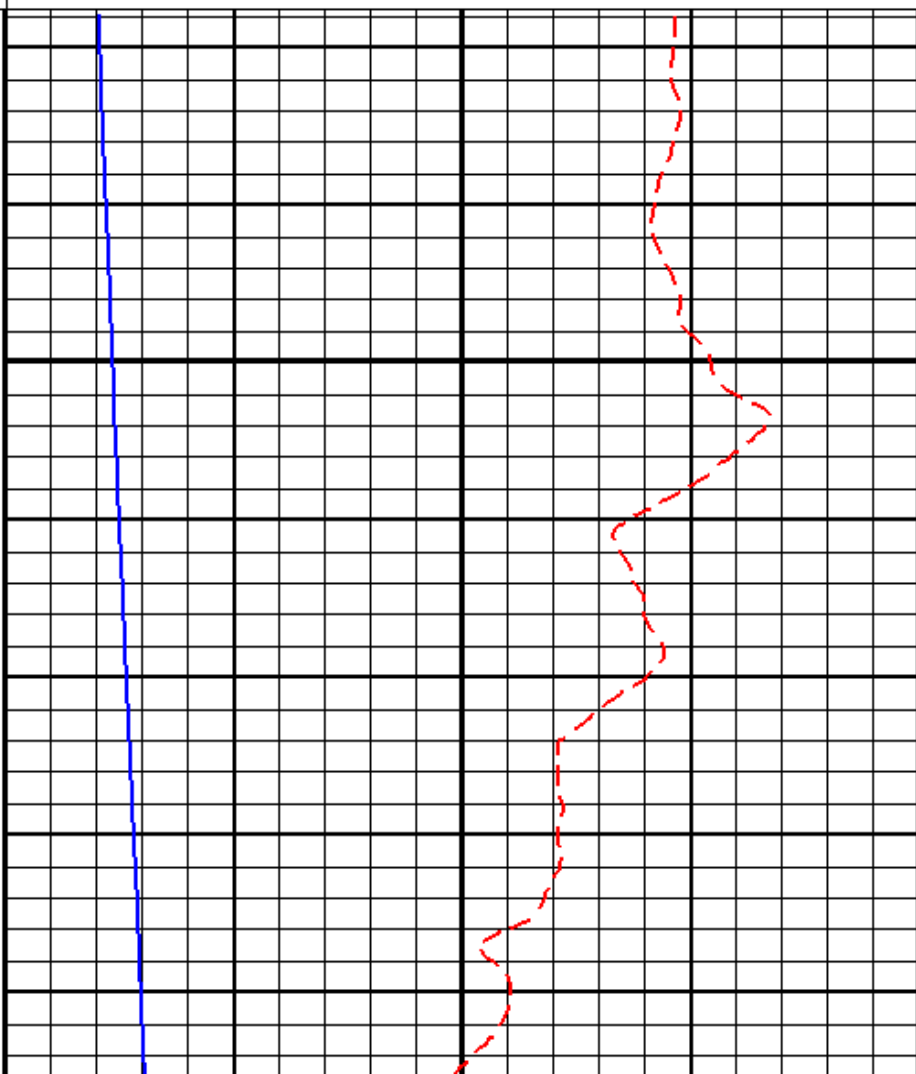
Tension
(TENS)
(N) 0 2000

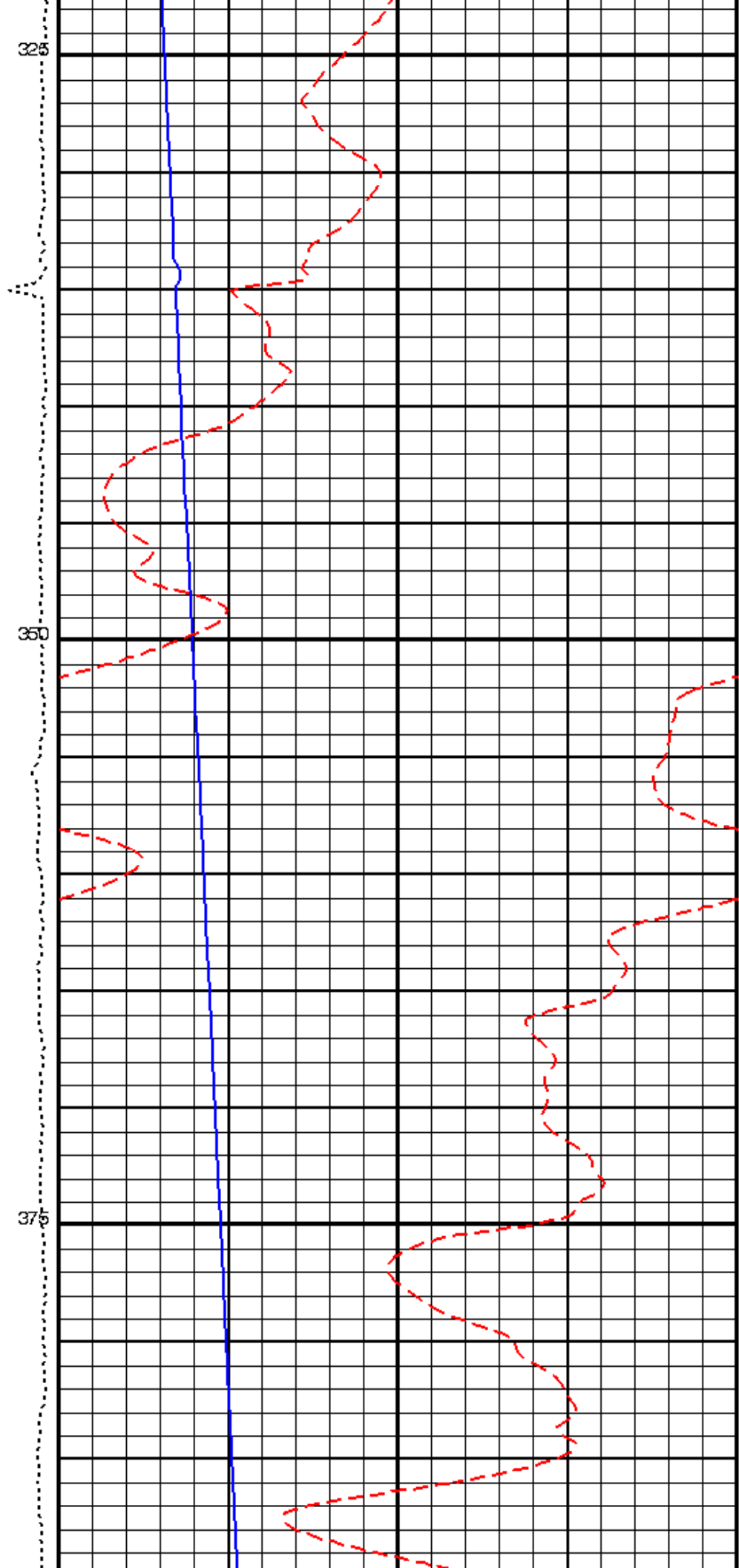
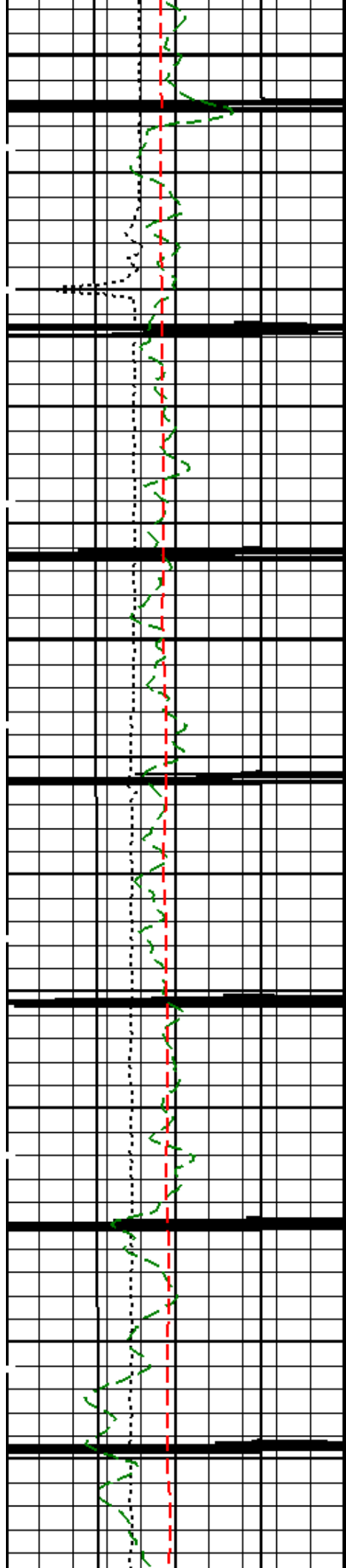
Well Temperature (WTEP)
(DEGC) 2 -2

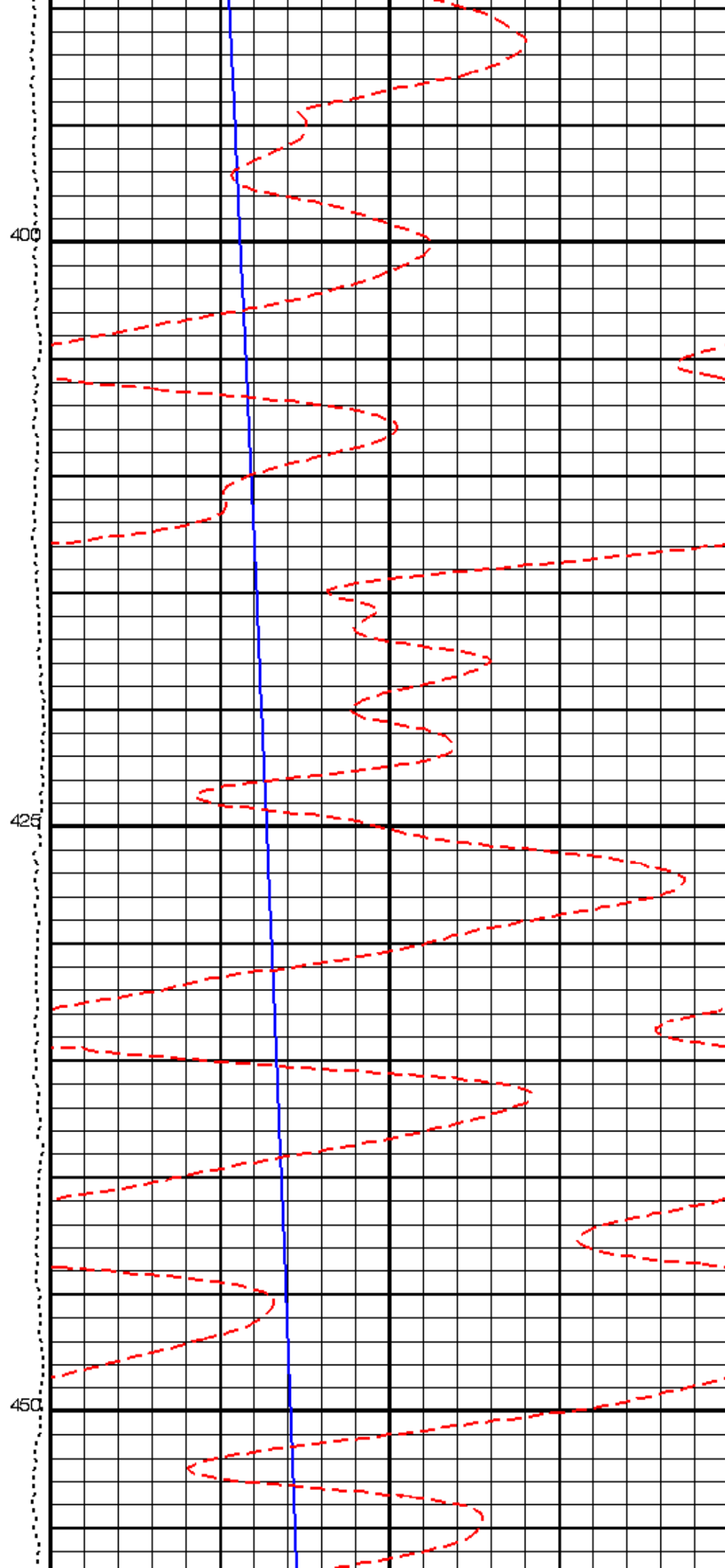
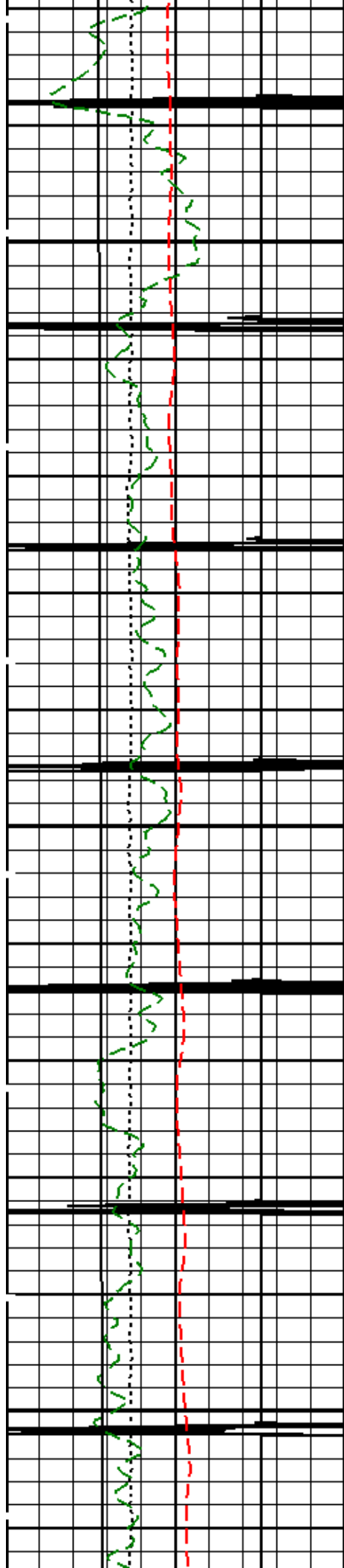
Well Pressure (WPRE)
(KPAA) 0 5000

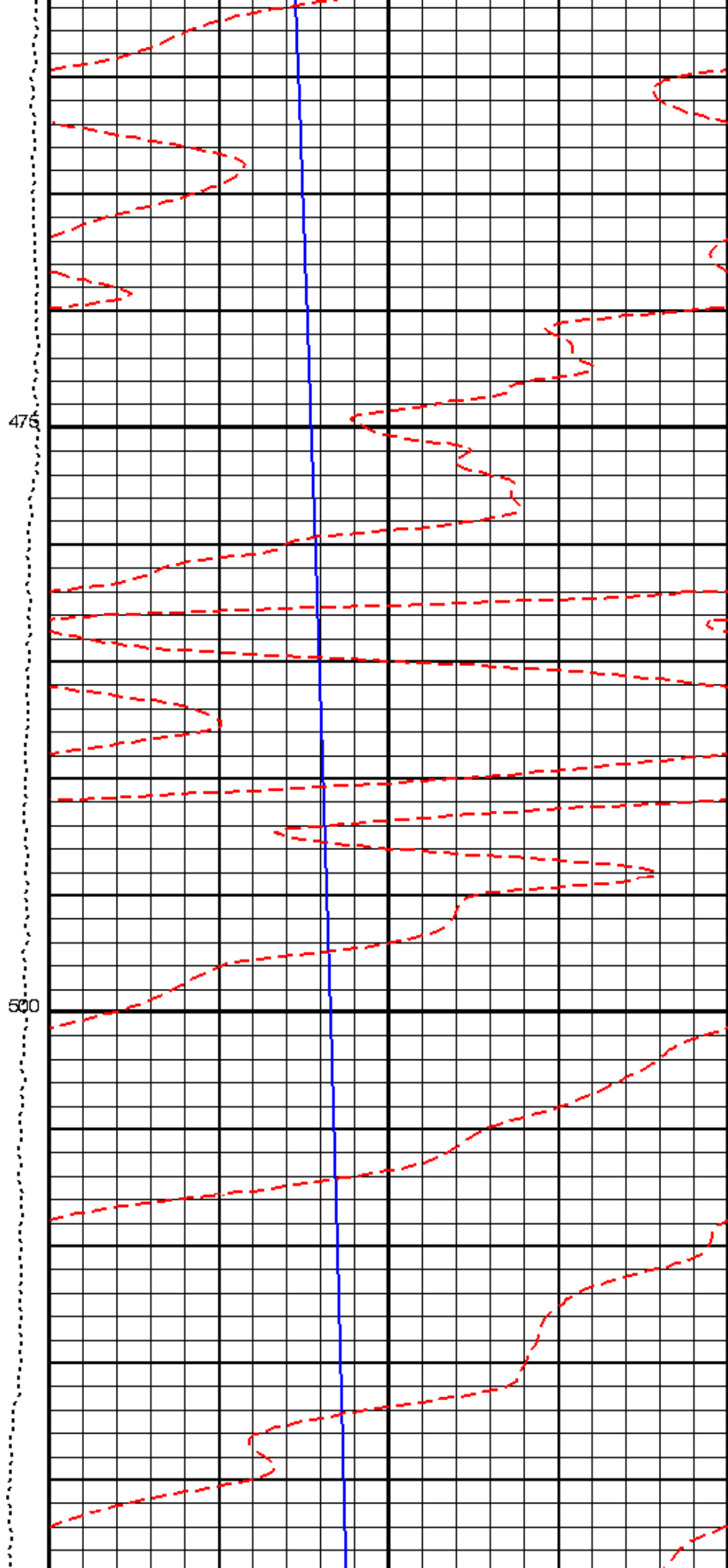
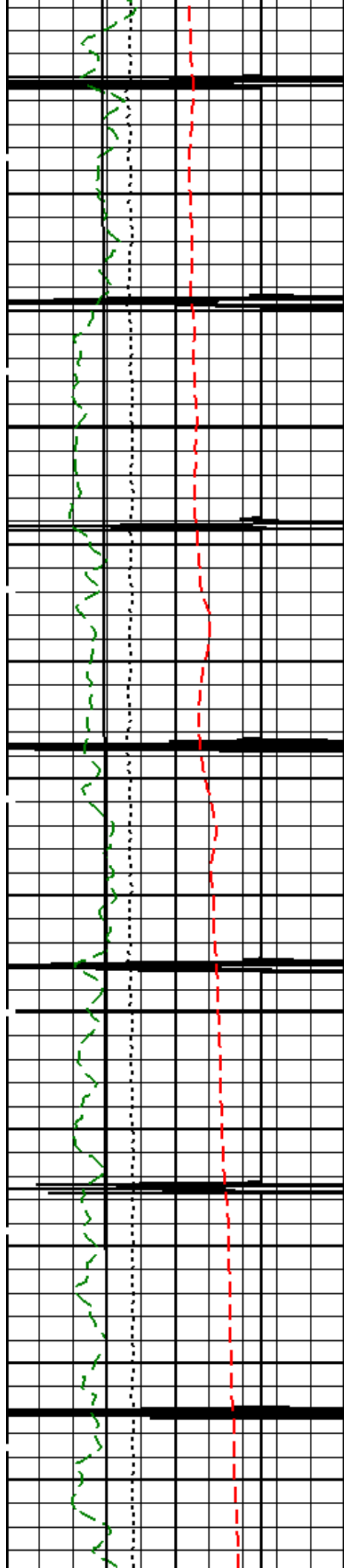


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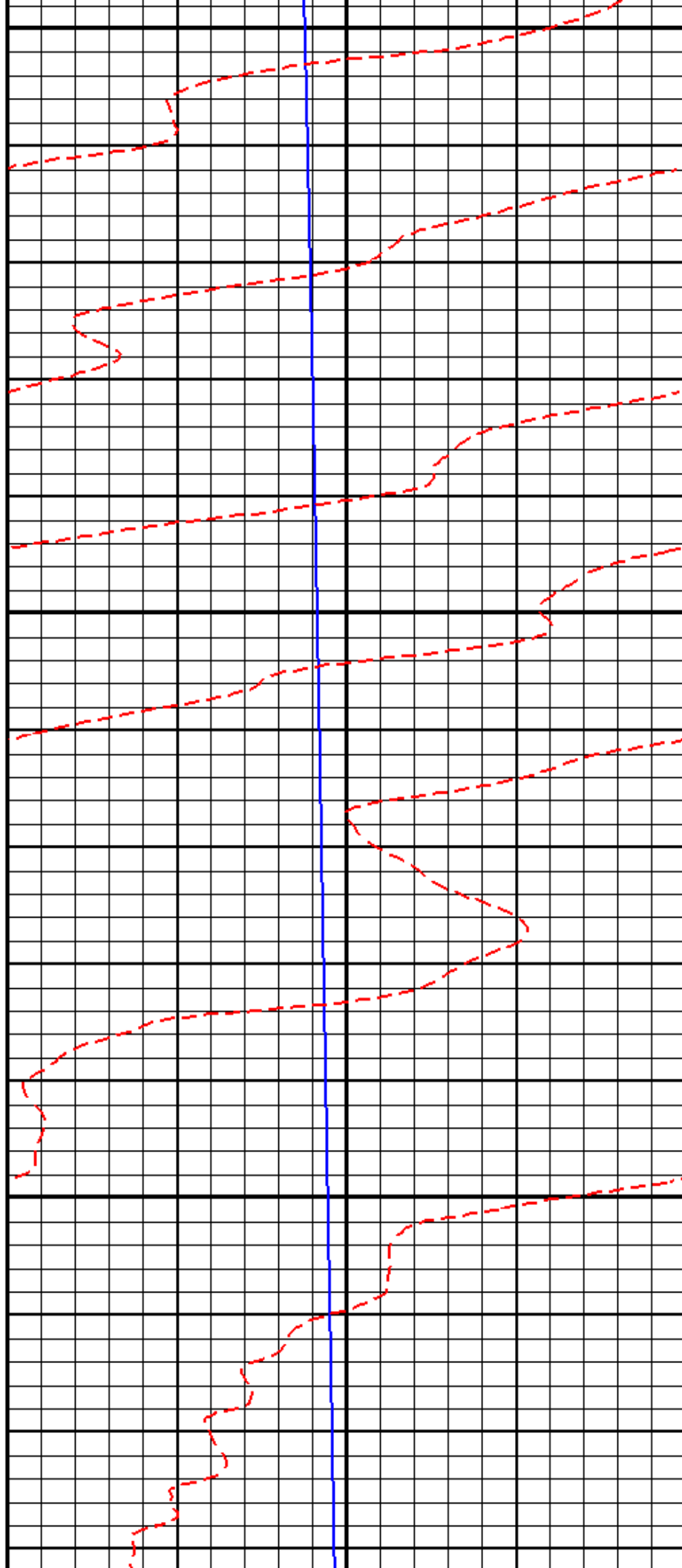
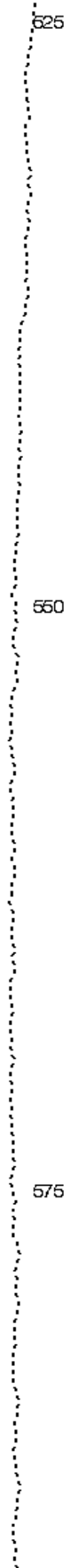
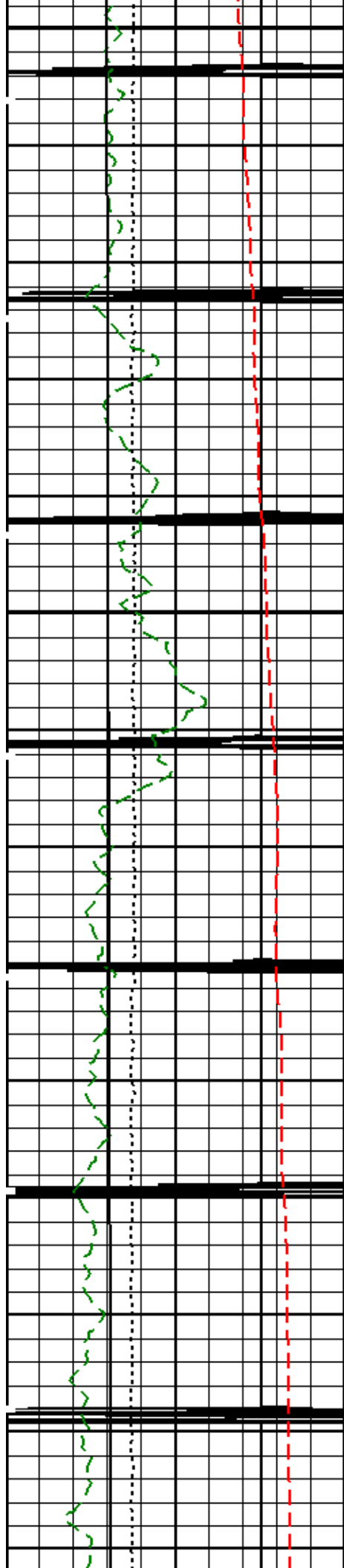






475

500



Well: IMP 12 NO2-14 COLD LK 4-36-66-3
 Field: UNDEFINED
 County: ALBERTA
 State: **MD**

TEMPERATURE LOG