

Schlumberger

Company: IMPERIAL OIL RESOURCES LIMITED

Well: IMP 07 H62-H12 COLD LK 2-22-66-4

Field: LEMING

County: ALBERTA

State: **MD**

TEMPERATURE LOG

County: ALBERTA

Field: LEMING

Location: 2-21-66-4W4

Well: IMP 07 H62-H12 COLD LK 2-22-66-4

Company: IMPERIAL OIL RESOURCES LIM

LOCATION

2-21-66-4W4

102022206604W400

Elev: K.B. 633.92 m

G.L. 626.80 m

D.F.

Permanent Datum: GROUND LEVEL

Elev: 626.80 m

Log Measured From: KELLY BUSHING

Drilling Measured From: KELLY BUSHING

API Serial No. 0378140

Section 02-21

Township 066

Range 04W4

Logging Date	15-May-2017			
Run Number	1			
Depth Driller	1974 m			
Schlumberger Depth	683 m			
Bottom Log Interval	683 m			
Top Log Interval	8 m			
Casing Fluid Type				
Salinity				
Density				
Fluid Level				
BIT/CASING/TUBING STRING				
Bit Size	200.000 mm			
From	7.12 m			
To	1974 m			
Casing/Tubing Size	114.300 mm			
Weight	17.3 kg/m			
Grade	J-55			
From	7.12 m			
To	724 m			
Maximum Recorded Temperatures	200 degC			
Logger On Bottom	15-May-2017	Time	11:30	
Unit Number	218	Location	NISKU PS	
Recorded By	JON ATTIG			
Witnessed By	GREG GELETTY			

PVT DATA					Run 1	Run 2	Run
Oil Density							
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: 15-MAY-2017 11:42:33

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	1-33A-SLC
Serial Number:	6398	Serial Number:		Serial Number:	
Calibration Date:	15-JUNE-2016	Calibration Date:	15-APR-2017	Length:	3000 M
Calibrator Serial Number:	4	Calibrator Serial Number:		Conveyance Method: Wireline Rig Type: LAND	
Calibration Cable Type:	1-33A-SLC	Number of Calibration Points:	10		
Wheel Correction 1:	-3	Calibration RMS:			
Wheel Correction 2:	0	Calibration Peak Error:			

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

DID NOT WAIT 30 MINUTES AT BOTTOM, DUE TO BEING OVER

TRACTOR AND CABLE TEMPERATURE RATING

NO FLUID DETECTED




N2 PURGED ON 14-MAY-2017

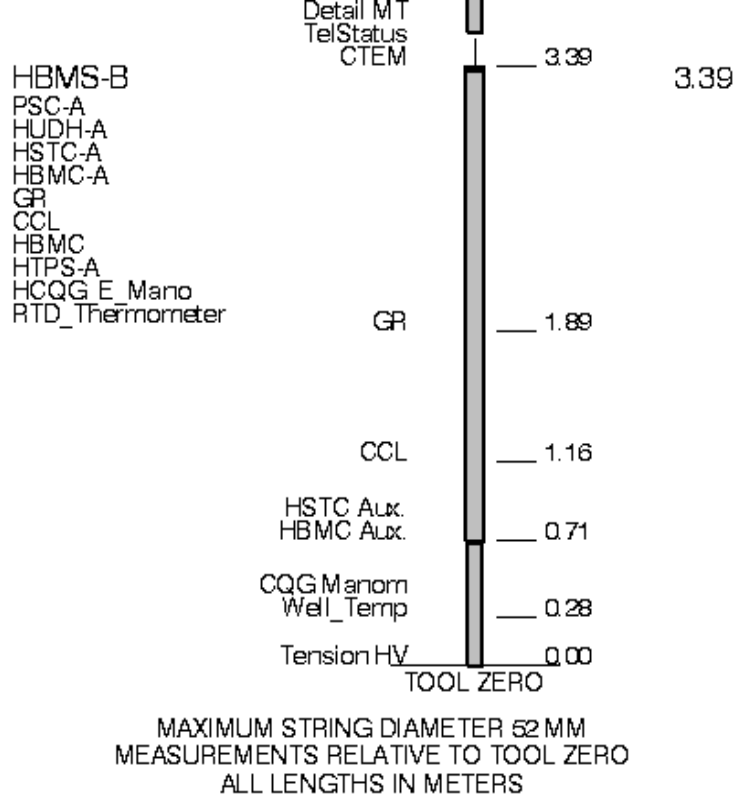
MAX TEMP 200 DEGC AT 580 MKB

CLEARWATER TOP AT 546.7 MKB

REMARKS: RUN NUMBER 2

BURST NIPPLE TOP AT 558.37 MKB	
PSN TOP AT 577.68 MKB	
FLUID SHOT:	
BEFORE SITP: 3100 KPA, 61/61	
BEFORE SICP: 3100 KPA, 54/61	
AFTER SITP: 1800 KPA	
LOGGED 5 M/MIN UP TO 440 MKB, THEN 10 M/MIN TO SURFACE	
STARTED TRACTORING @ 490 MKB	
YOUR CREW TODAY: J.ATTIG, C.DYCK	
RUN 1	RUN 2
SERVICE ORDER #:	SERVICE ORDER #:
PROGRAM VERSION:	PROGRAM VERSION:
FLUID LEVEL:	FLUID LEVEL:
DKRF-00060	
19C2-270	
LOGGED INTERVAL	LOGGED INTERVAL
START	START
STOP	STOP

EQUIPMENT DESCRIPTION				
RUN 1		RUN 2		
SURFACE EQUIPMENT				
WITM-A PSC_16MHZ				
DOWNHOLE EQUIPMENT				
MH-22 MH-22				9.46
AH-38				8.98
AH-TRACTOR AH-TRACTOR		8.89		



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DOWN PASS

MAXIS Field Log

Company: IMPERIAL OIL RESOURCES LIMITED Well: IMP 07 H62-H12 COLD LK 2-22-66-4

Input DLIS Files

Rip_HBMS_002LUP FN:1 15-May-2017 14:15 493.3 M 1.4 M

Output DLIS Files

DEFAULT HBMS_036PUP FN:29 PRODUCER 15-May-2017 14:24 492.9 M 0.9 M

OP System Version: 19C2-270

HBMS-B 19C2-270

PIP SUMMARY

Time Mark Every 60 S

Well Temperature (WTEP)
(DEGC) 0 200

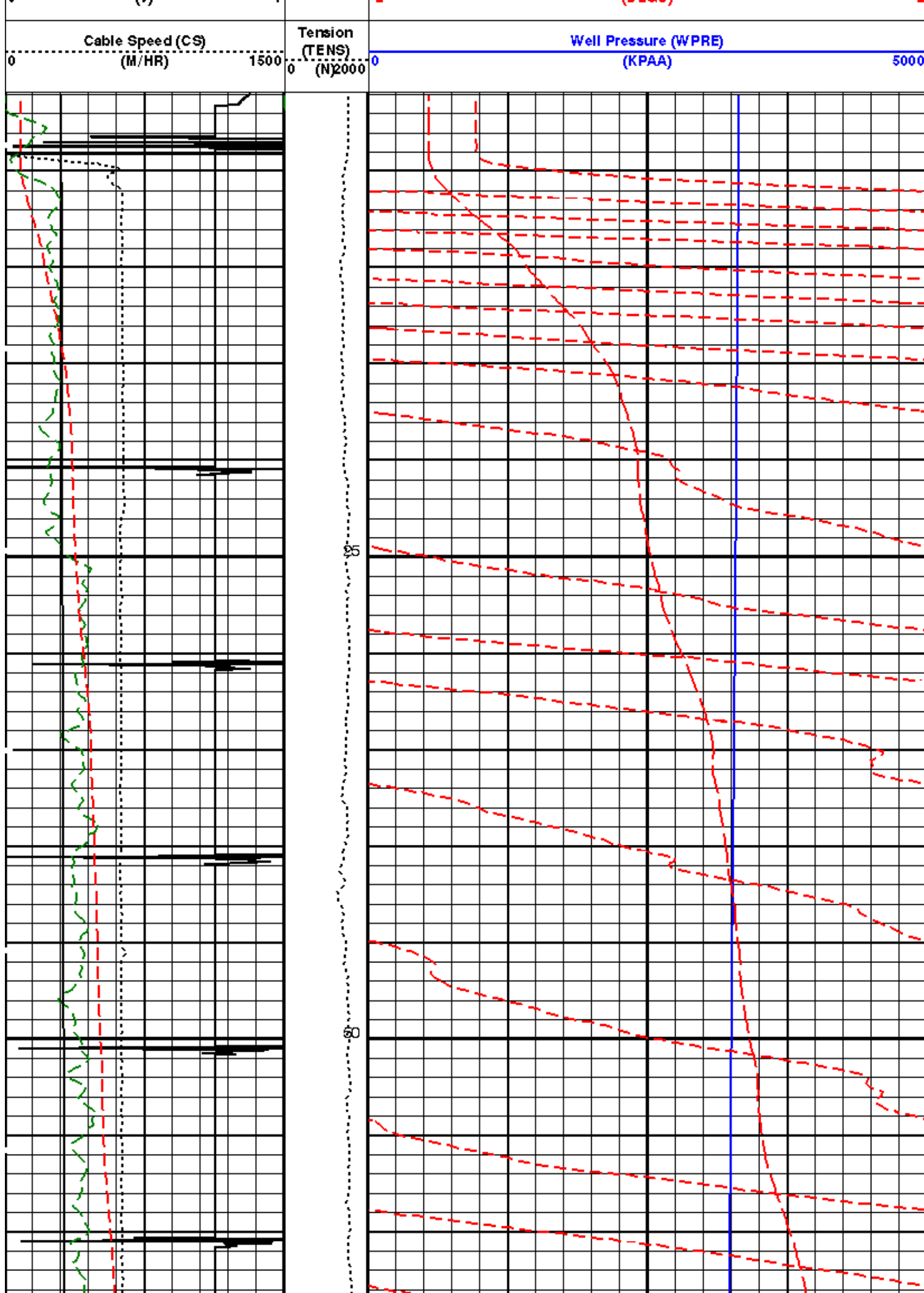
Temperature (TEMP)
(DEGC) 0 100

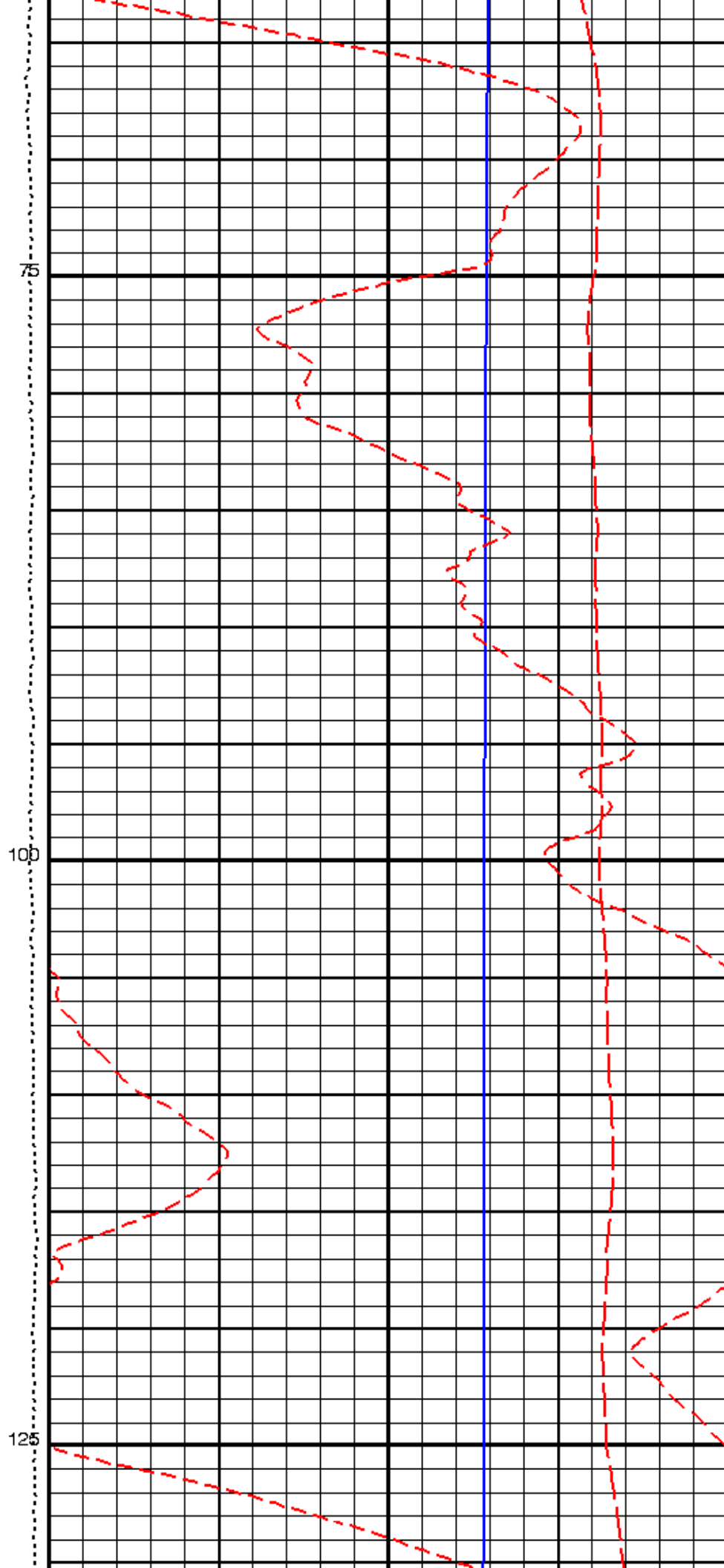
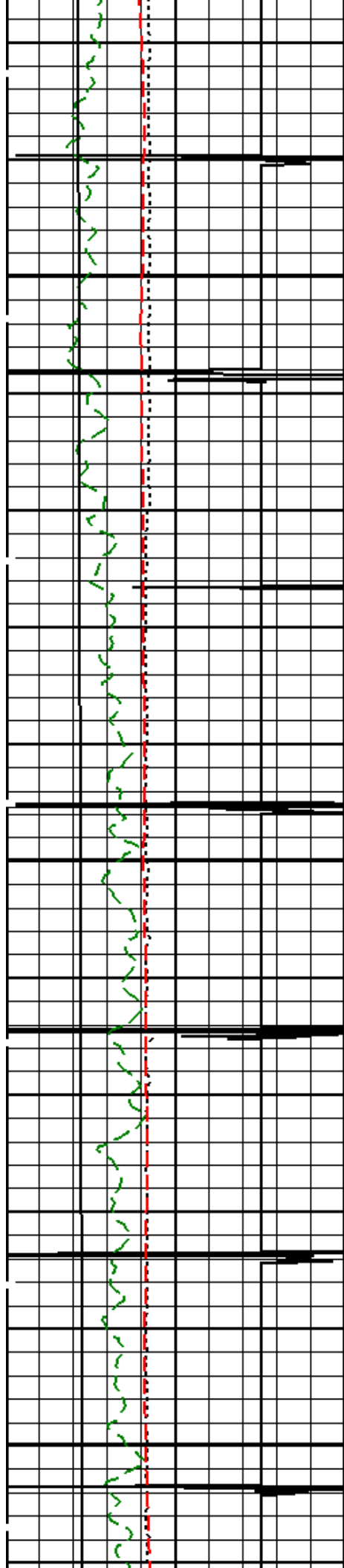
Gamma Ray (GR)
(GAPI) 0 100

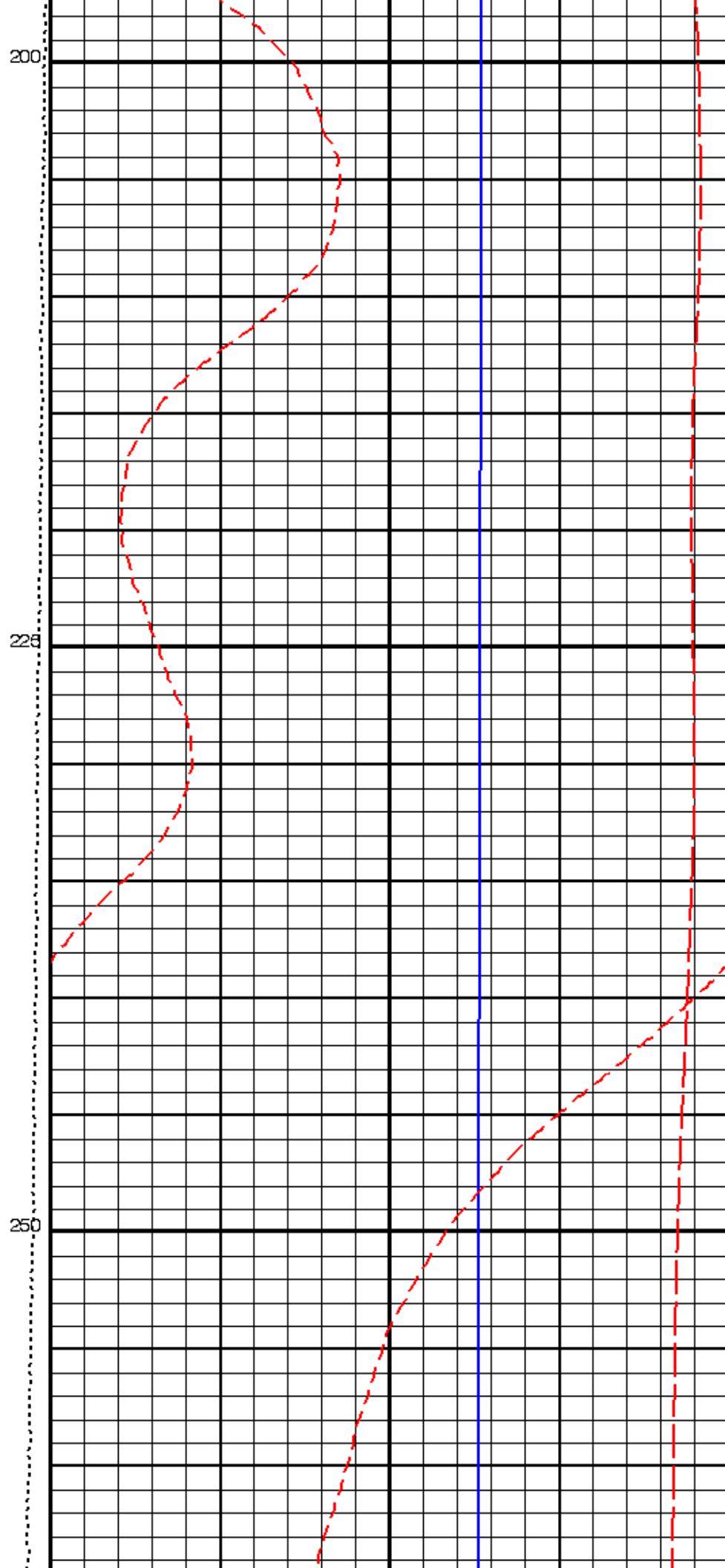
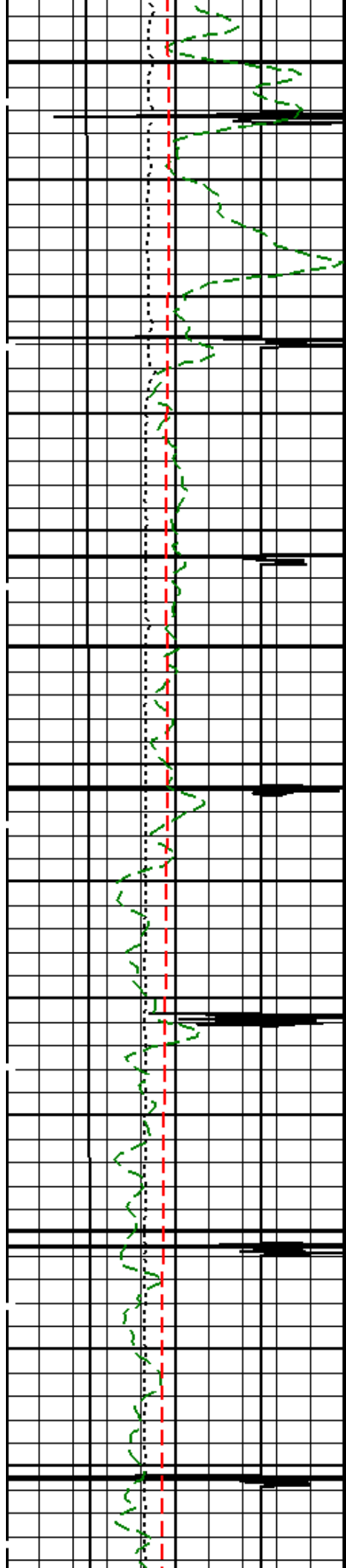
Discriminated CCL (CCLD)
(M) 3 -1

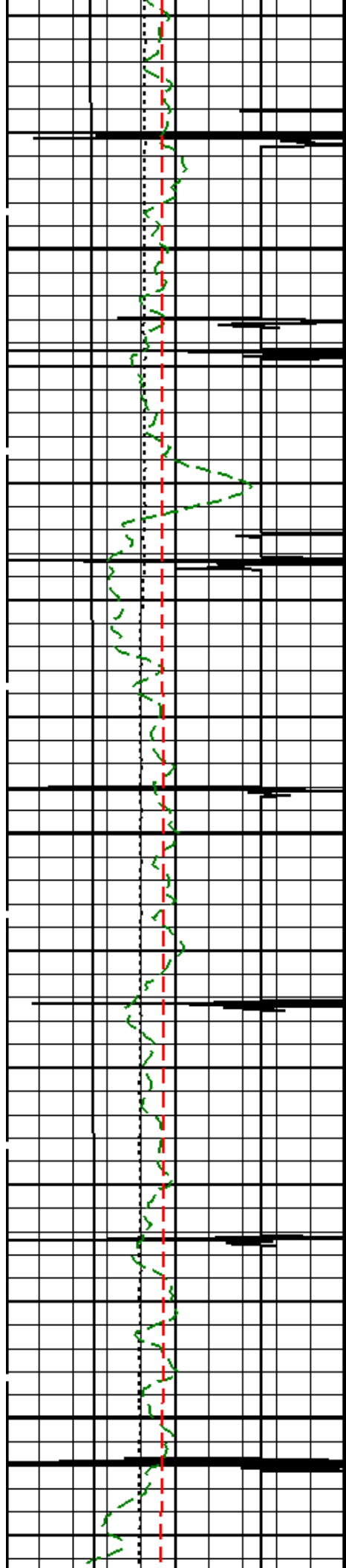
Well Temperature (WTEP)
(DEGC) 0 100

Well Temperature (WTEP)
(DEGC) -2 2





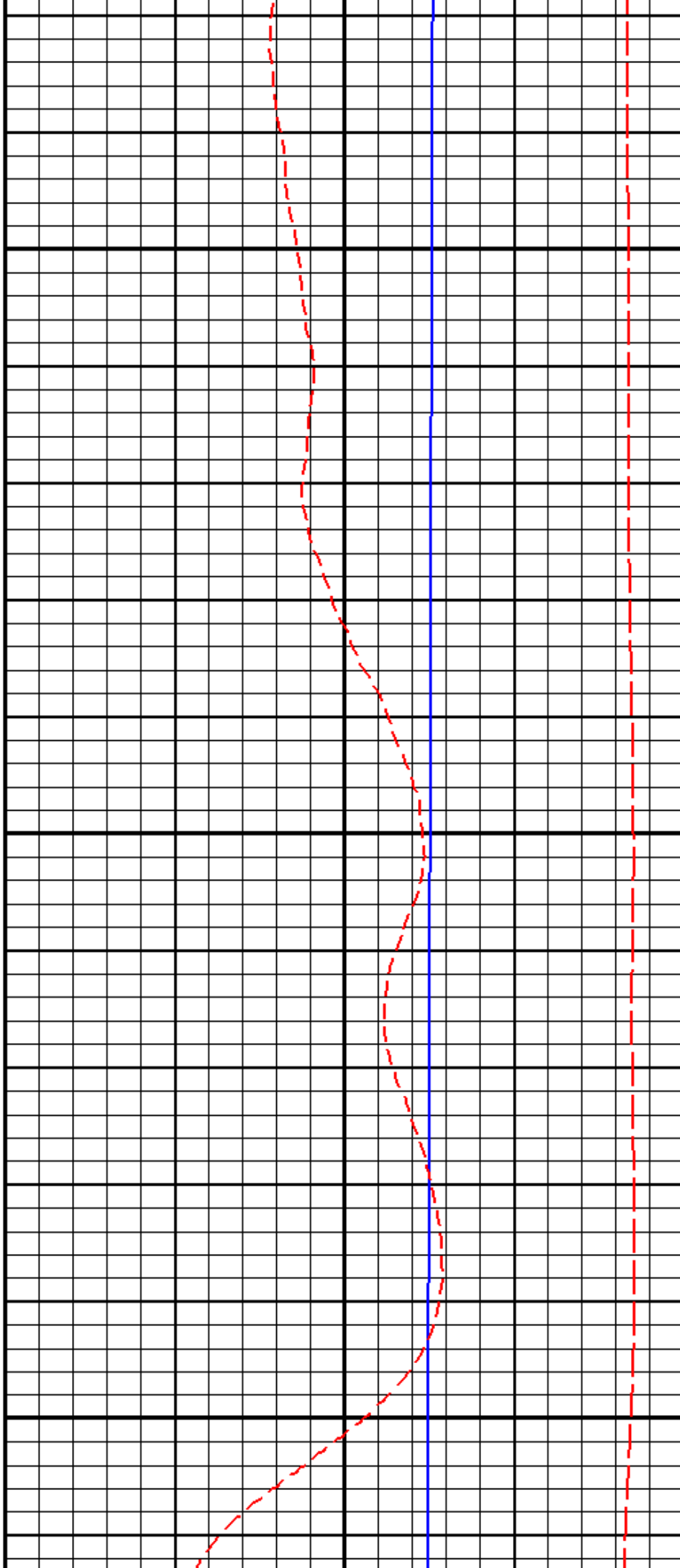


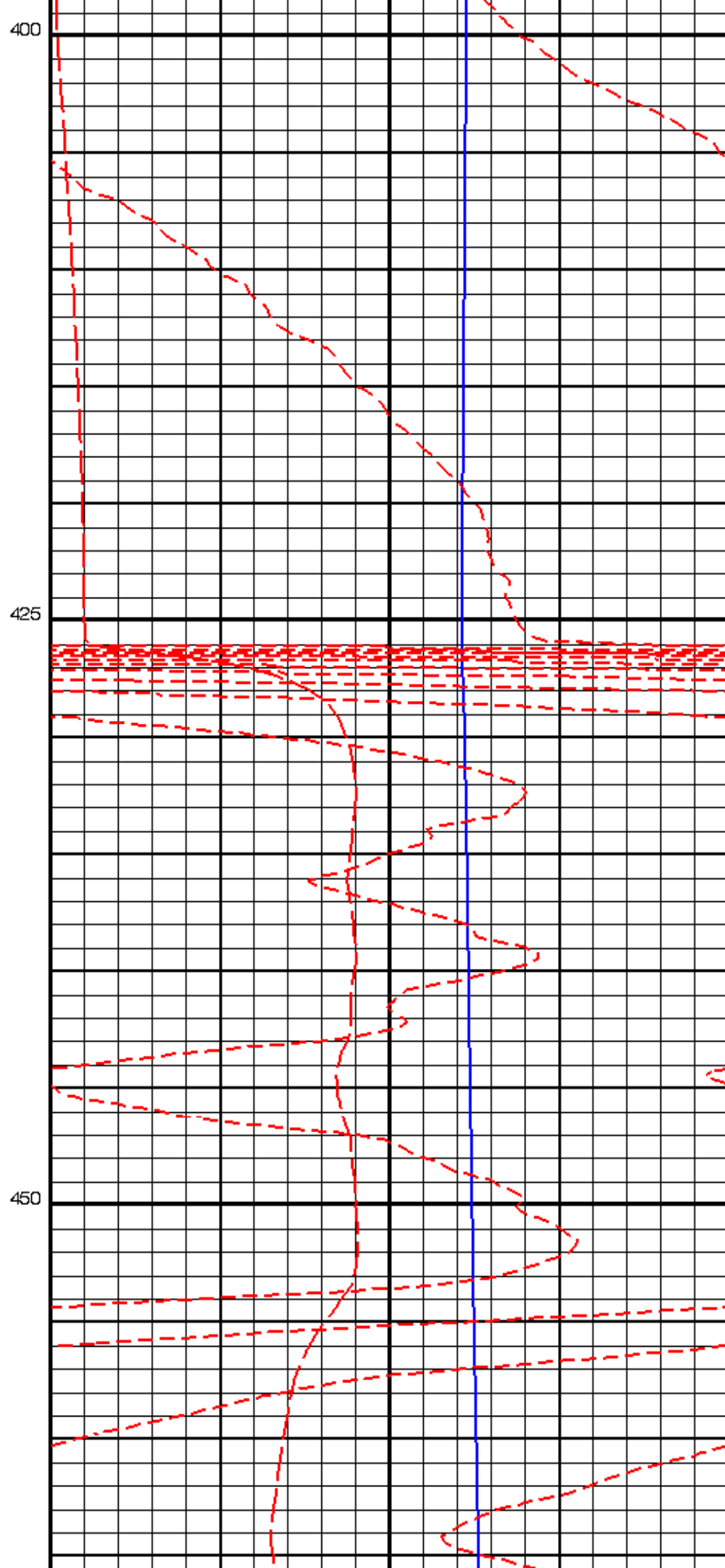
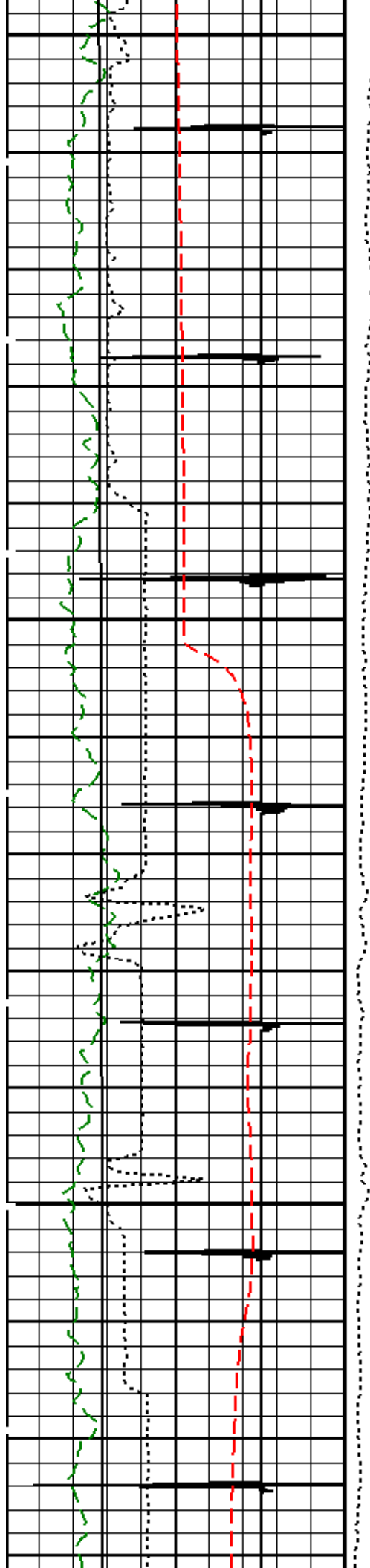


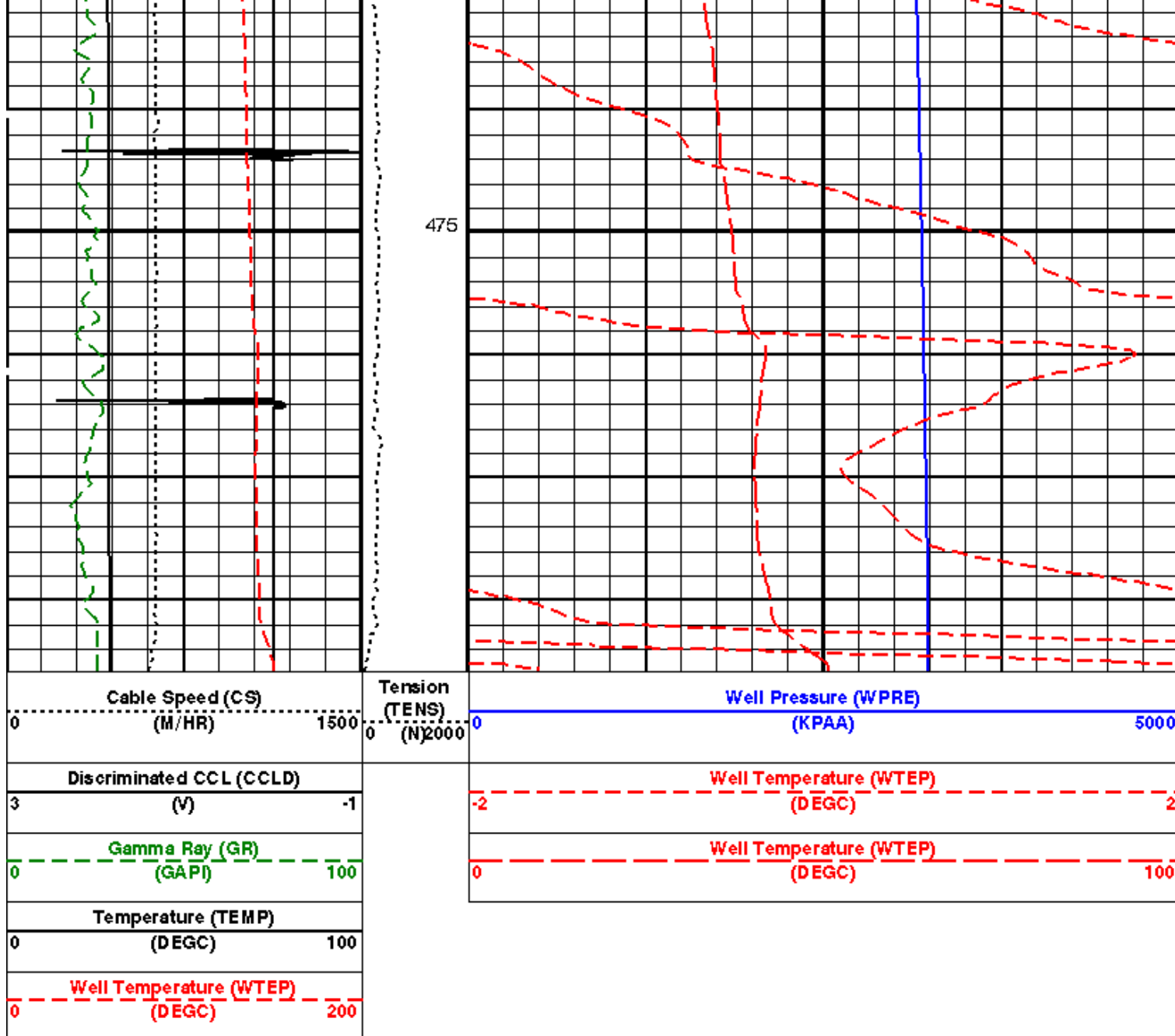
275

300

325







PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:240

Graphics File Created: 15-May-2017 14:24

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
System and Miscellaneous		
DO	Depth Offset for Playback	-0.5 M
PP	Playback Processing	NORMAL
TD	Total Depth	-50000 M

Input DLIS Files

Rip_HBMS_002LUP

FN:1

15-May-2017 14:15 493.3 M

1.4 M

Output DLIS Files

DEFAULT

HBMS_036PUP

FN:29

PRODUCER

15-May-2017 14:24

Schlumberger

UP PASS

MAXIS Field Log

Company: IMPERIAL OIL RESOURCES LIMITED

Well: IMP 07 H62-H12 COLD LK 2-22-66-4

Output DLIS Files

DEFAULT

HBMS_011LUP

FN:10

PRODUCER

15-May-2017 11:21

583.2 M

6.7 M

OP System Version: 19C2-270

HBMS-B

19C2-270

PIP SUMMARY

Time Mark Every 60 S

Well Temperature (WTEP)
(DEGC) 0 200

Temperature (TEMP)
(DEGC) 0 100

Gamma Ray (GR)
(GAPI) 0 100

Discriminated CCL (CCLD)
(V) 3 -1

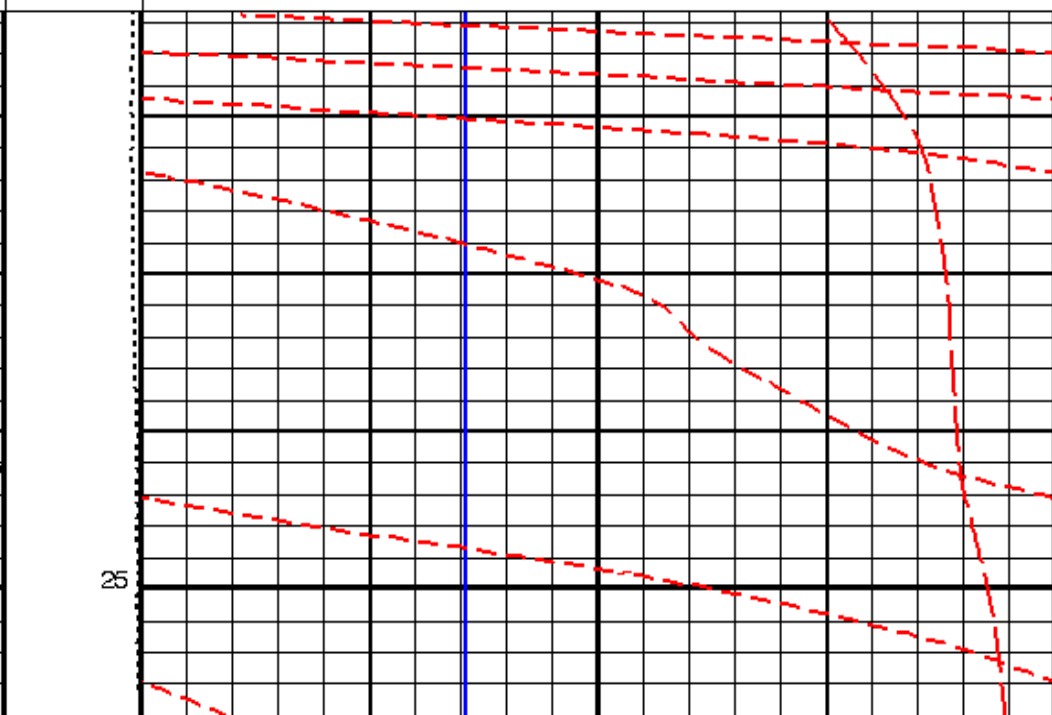
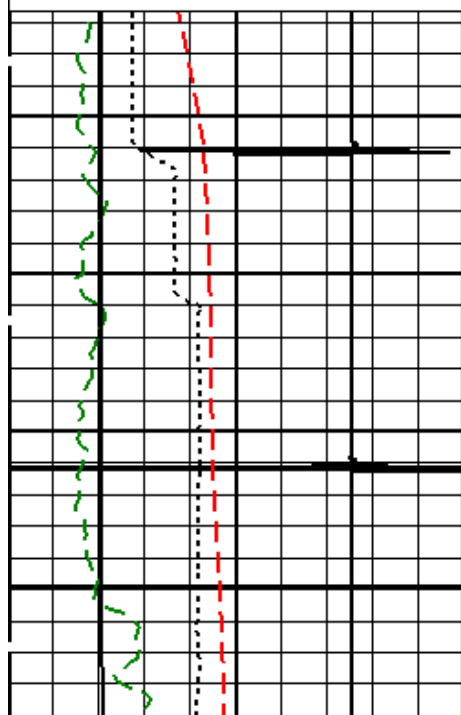
Cable Speed (CS)
(M/HR) 0 1500

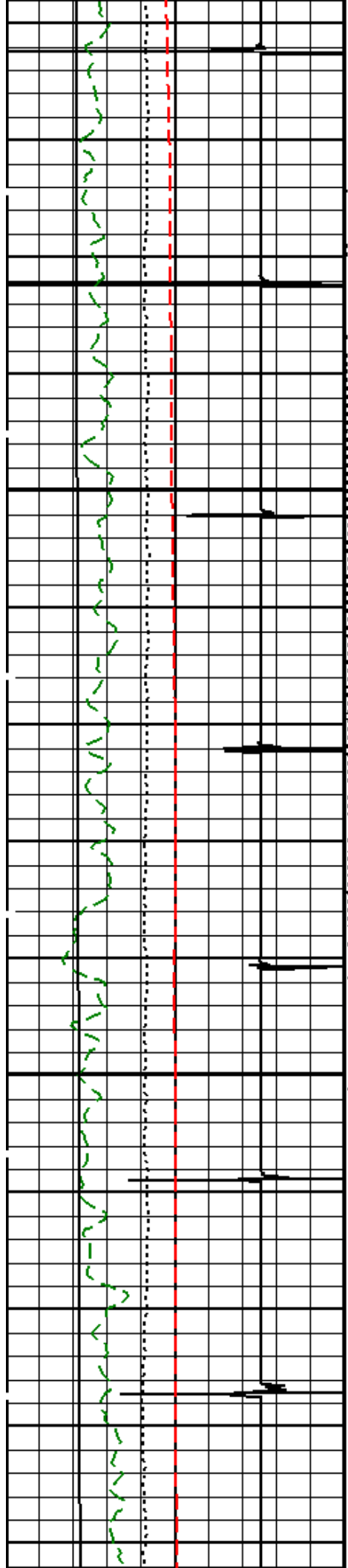
Tension
(TENS)
(N) 0 2000

Well Temperature (WTEP)
(DEGC) 0 100

Well Temperature (WTEP)
(DEGC) -2 2

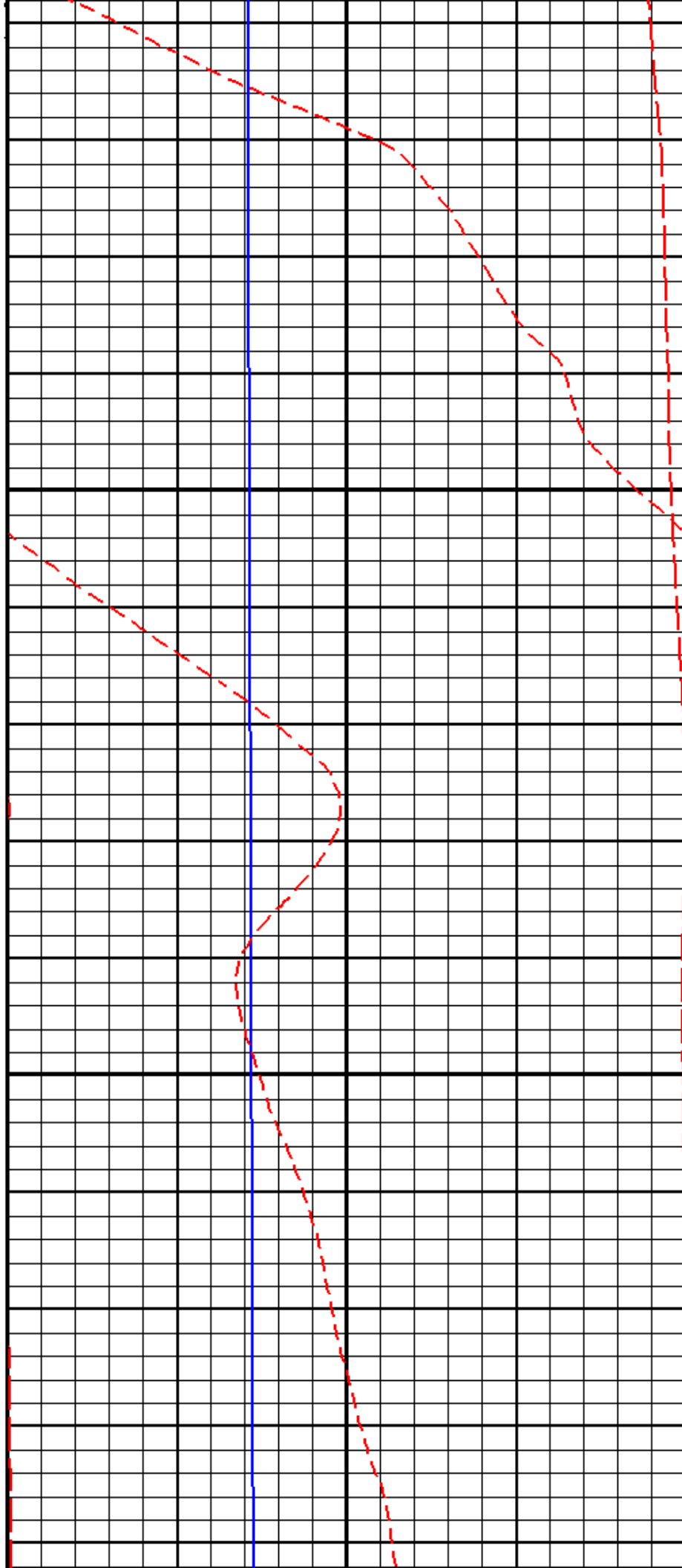
Well Pressure (WPRE)
(KPAA) 0 5000

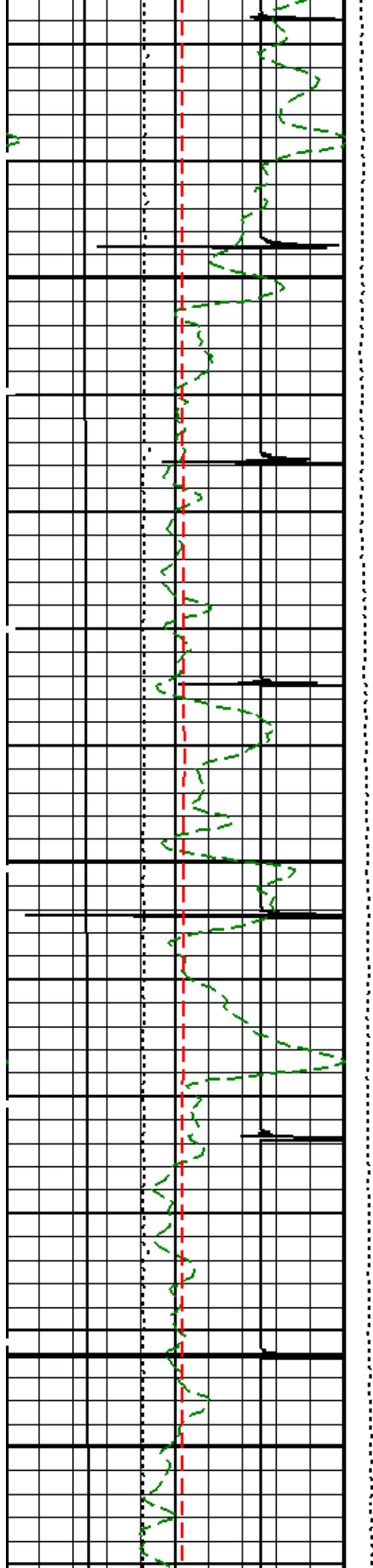




60

75

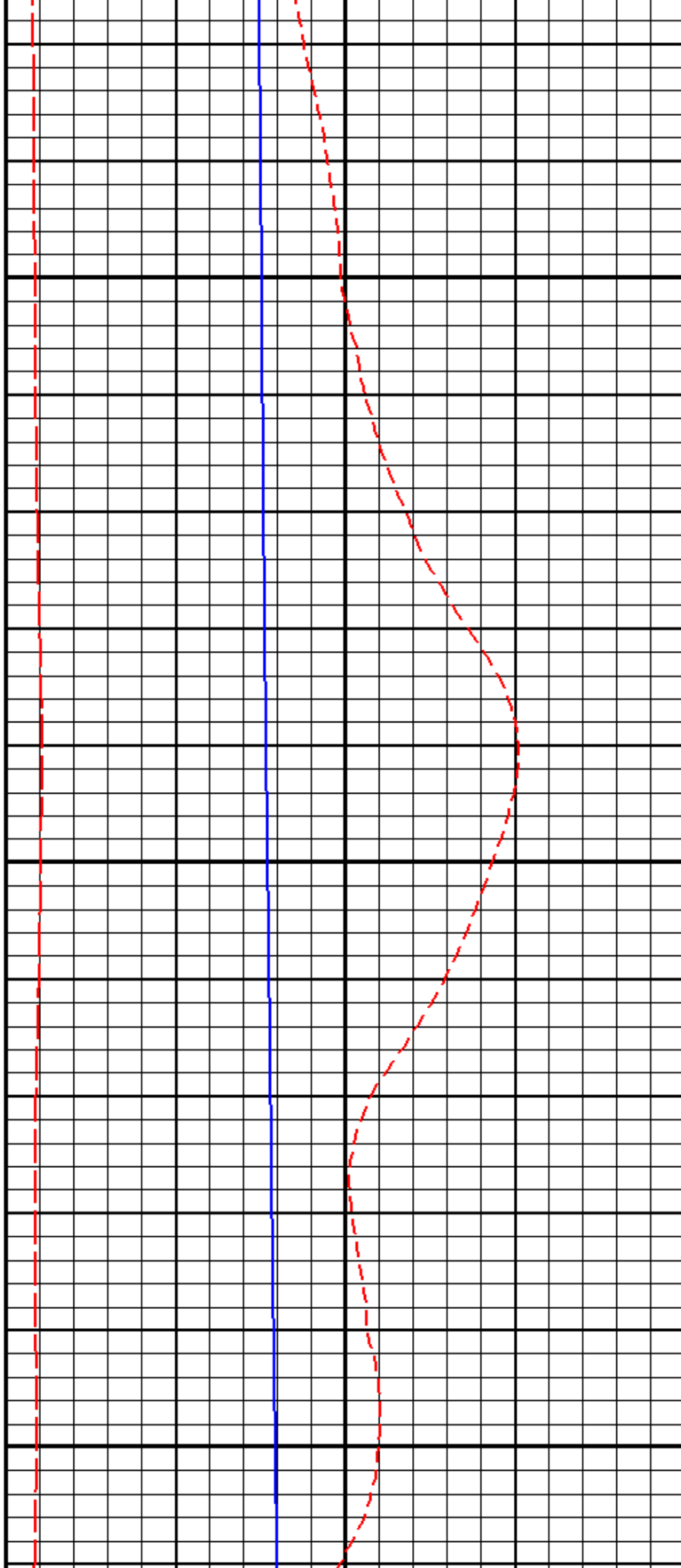


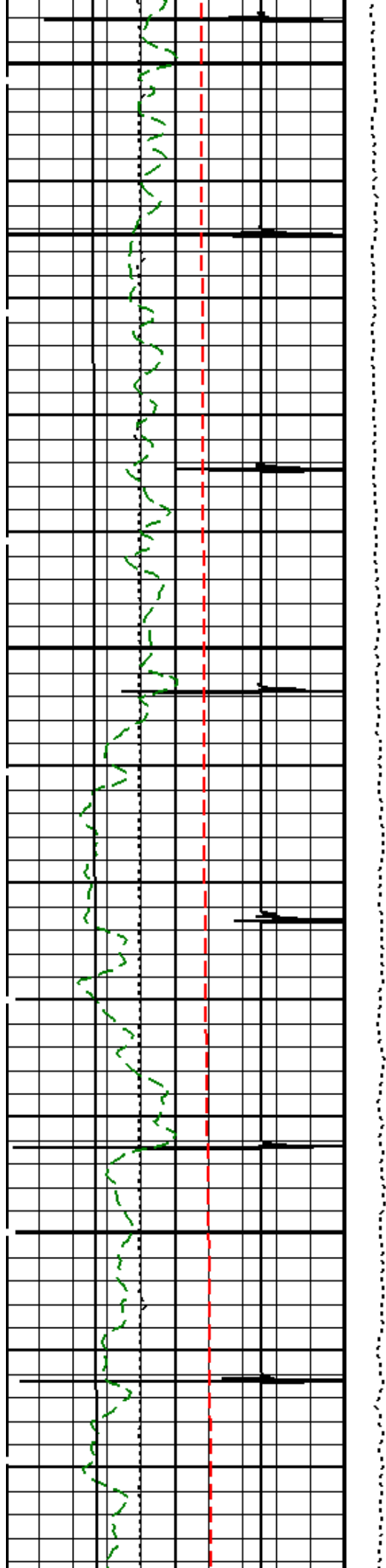


175

200

225

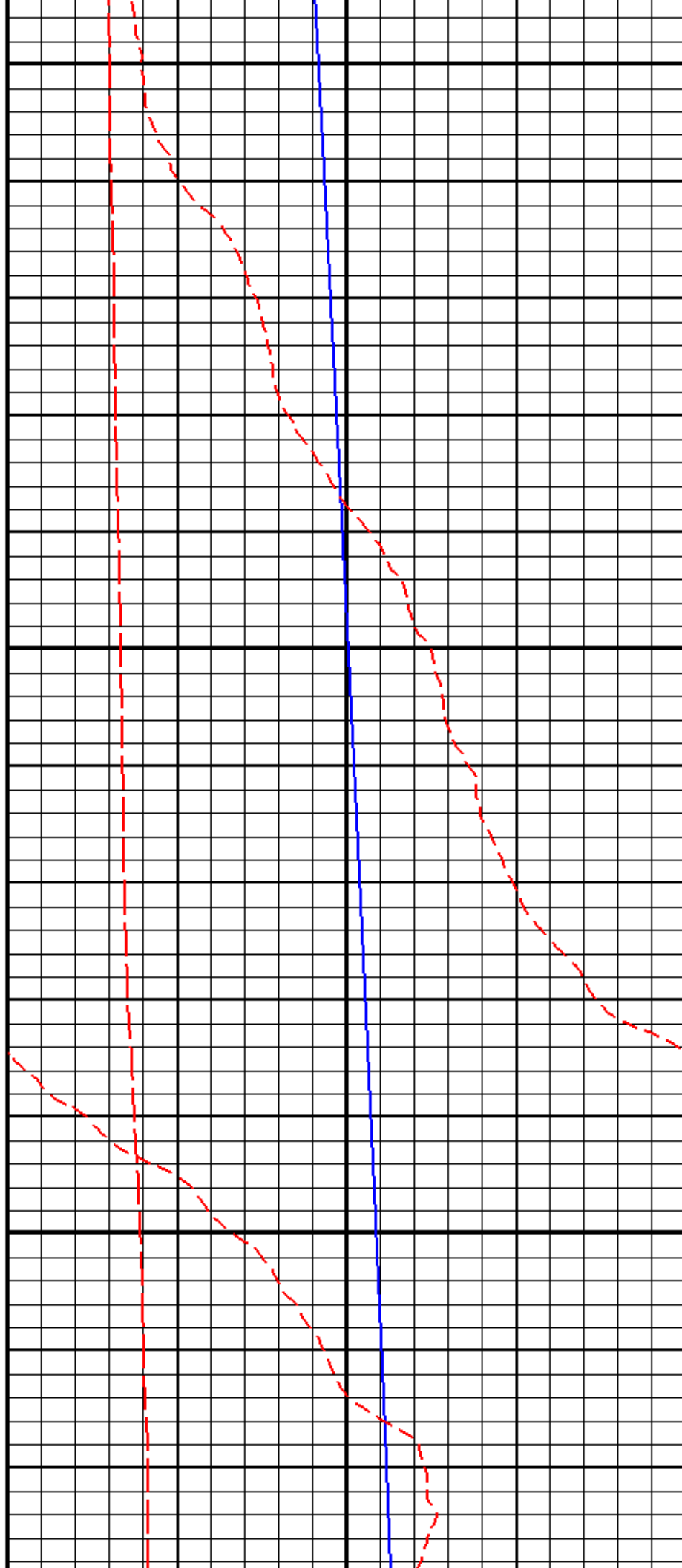


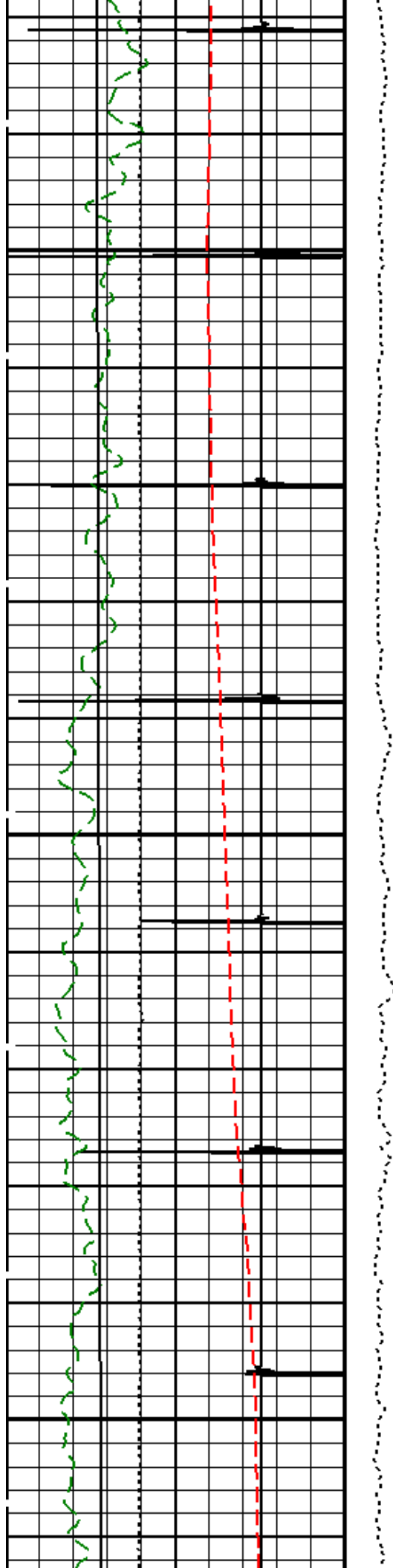


300

325

350

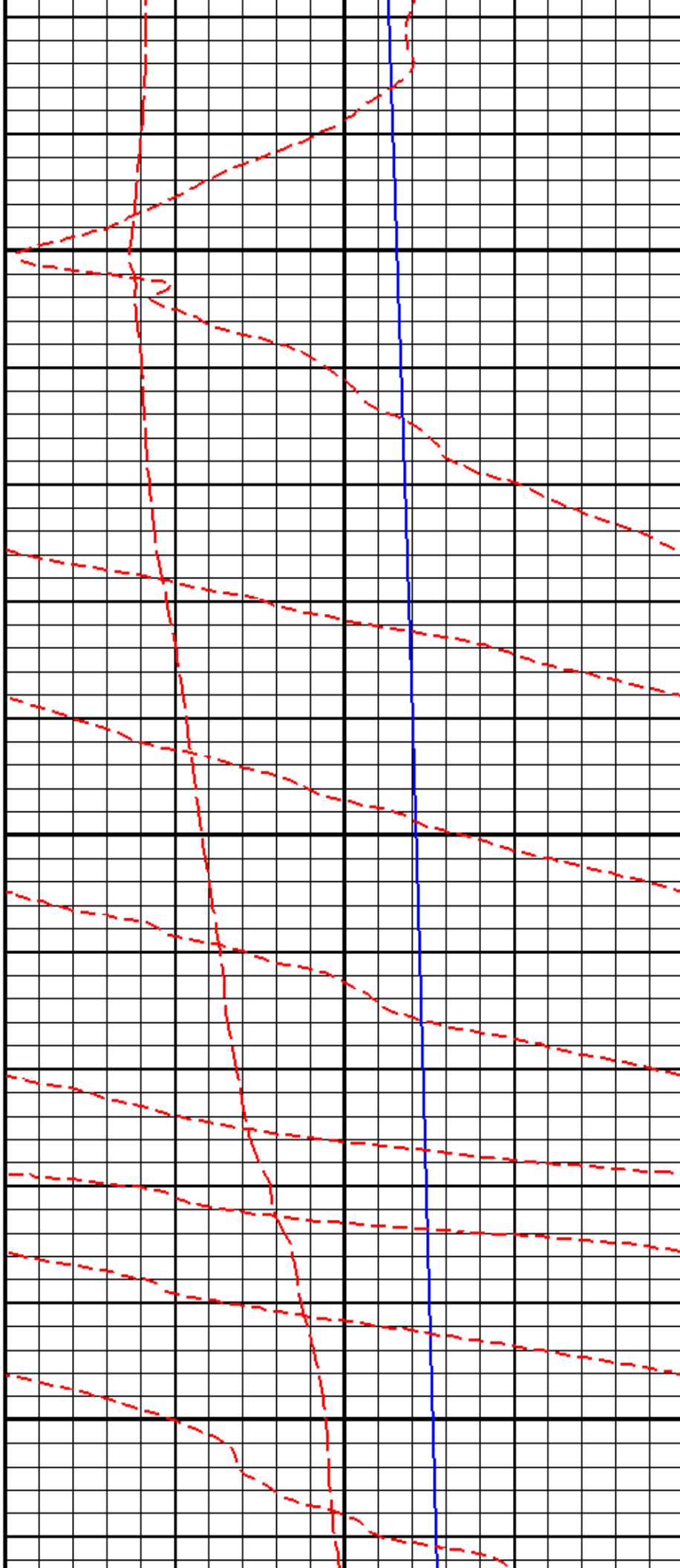


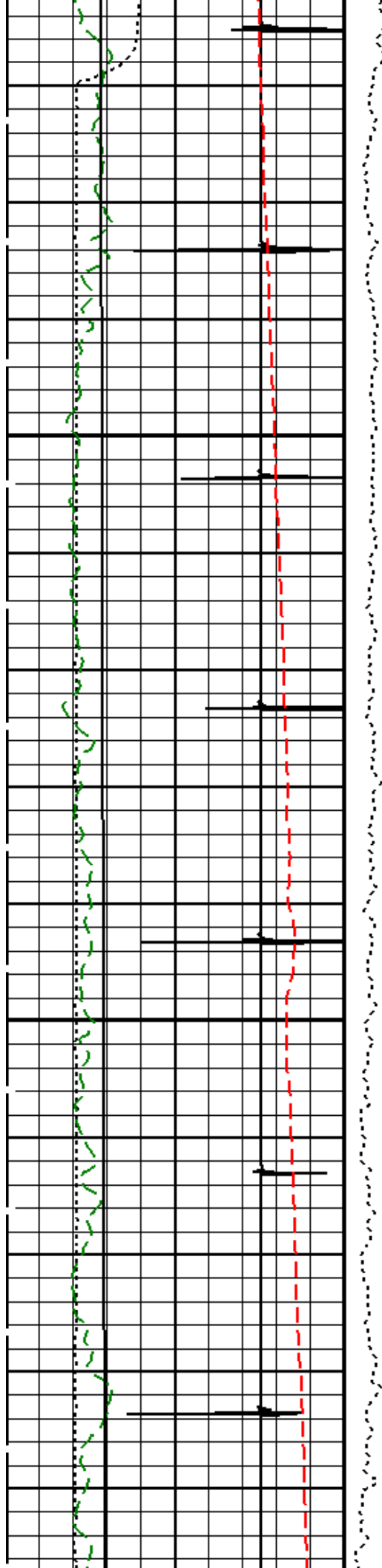


375

400

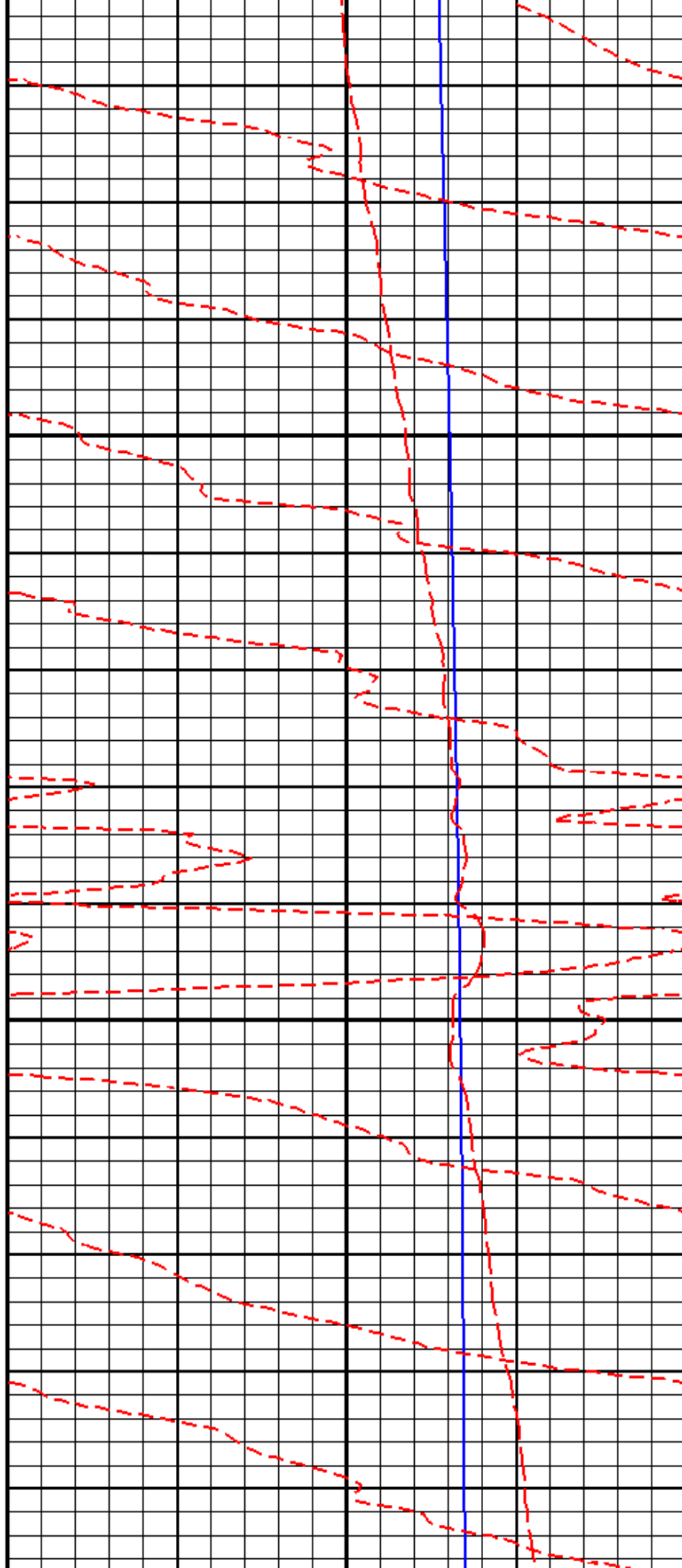
425

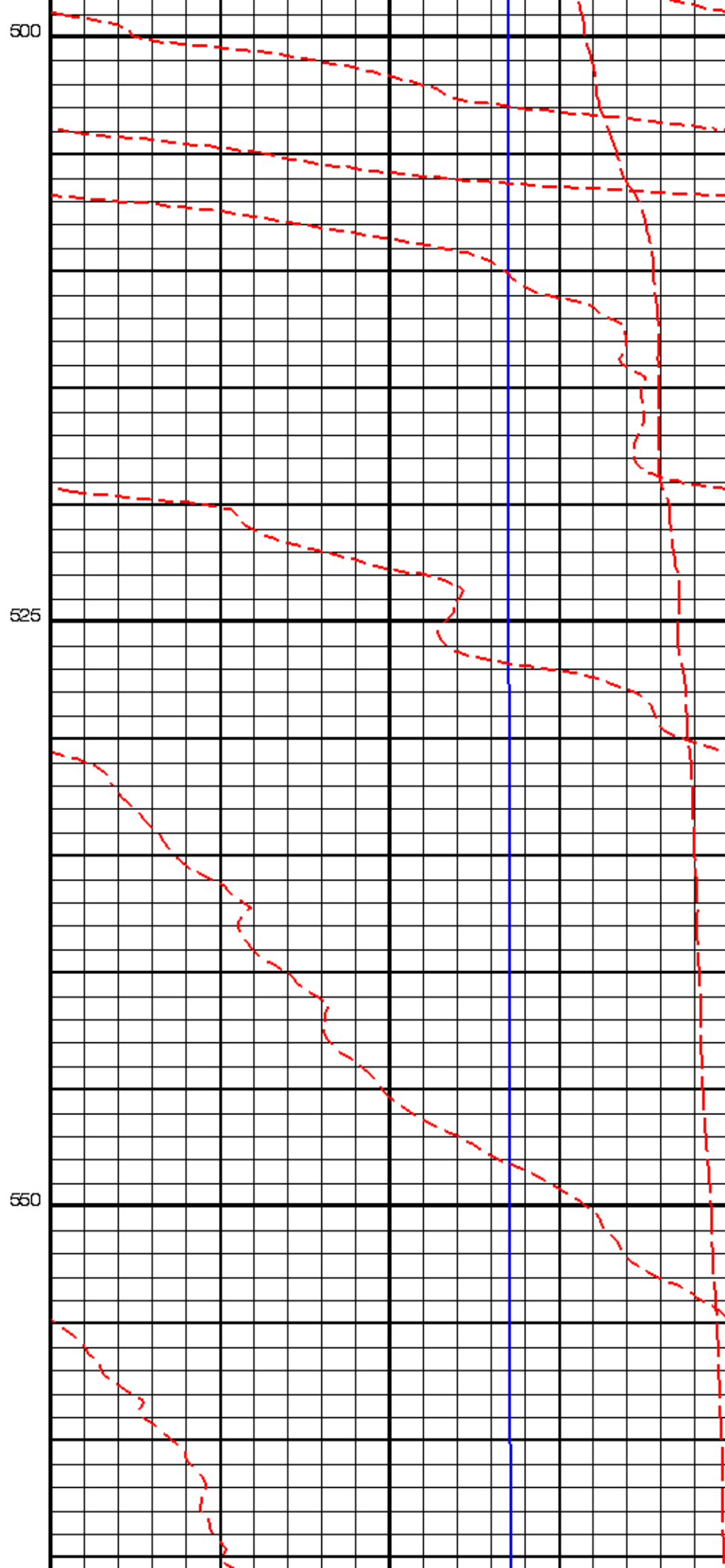
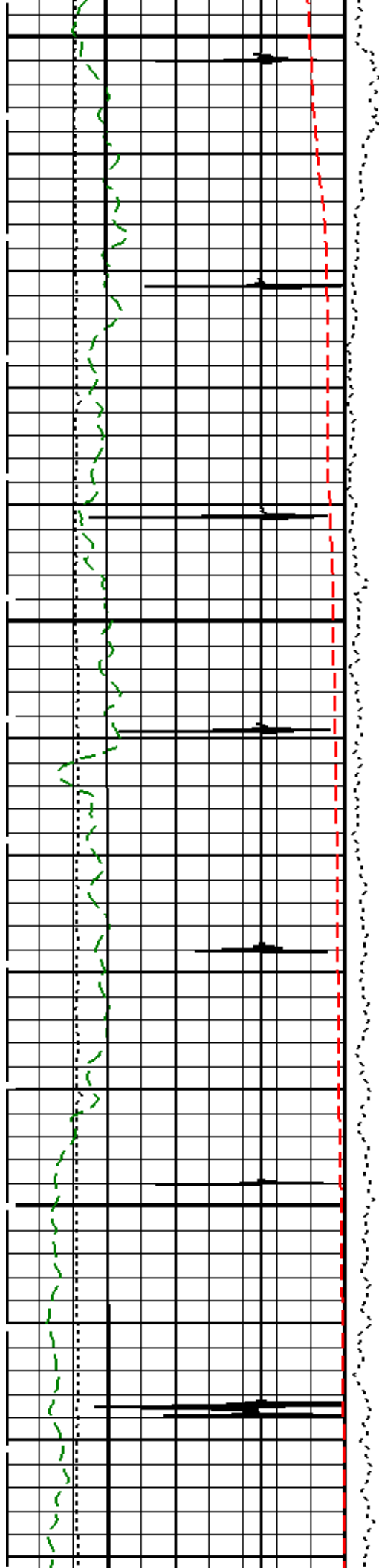


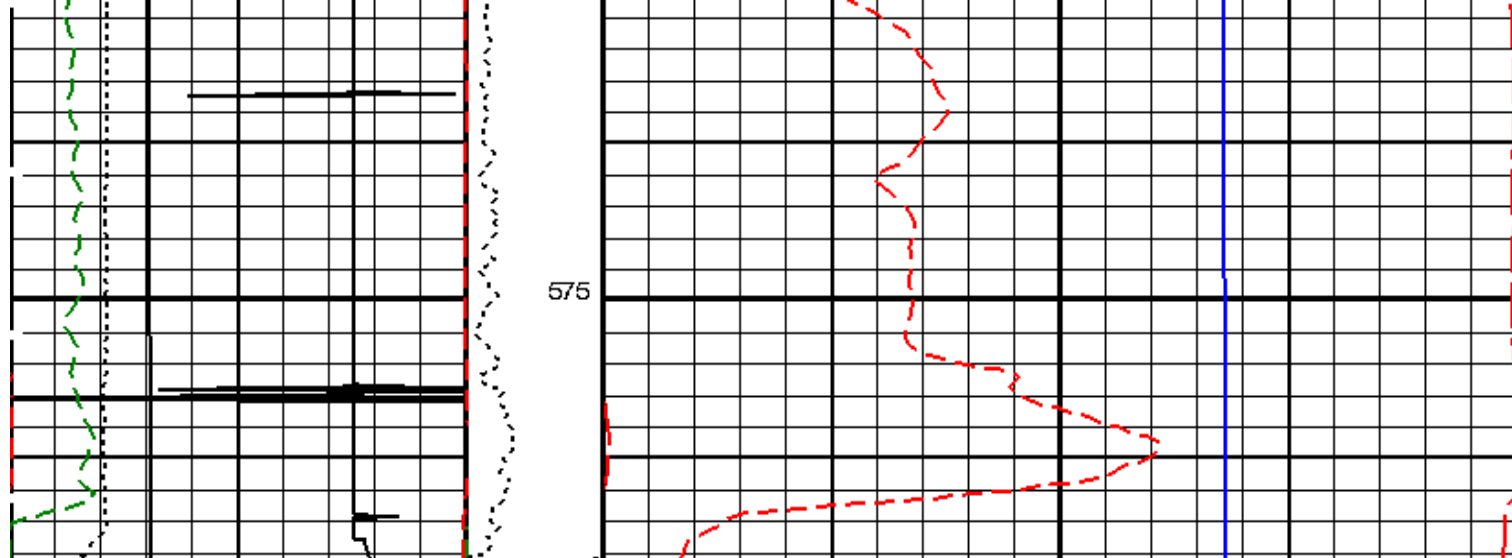


450

475







Cable Speed (CS) (M/HR)	0	1500
Tension (TENS) (N)	0	2000
Well Pressure (WPRE) (KPA)	0	5000
Discriminated CCL (CCLD) (V)	3	-1
Well Temperature (WTEP) (DEGC)	-2	2
Gamma Ray (GR) (GAPI)	0	100
Well Temperature (WTEP) (DEGC)	0	100
Temperature (TEMP) (DEGC)	0	100
Well Temperature (WTEP) (DEGC)	0	200

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:240

Graphics File Created: 15-May-2017 11:21

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		
TD	Total Depth	-50000 M

Output DLIS Files

DEFAULT HBMS_011LUP FN:10 PRODUCER 15-May-2017 11:21

Company: IMPERIAL OIL RESOURCES LIMITED

Schlumberger

Well: IMP 07 H62-H12 COLD LK 2-22-66-4

Field: LEMING

County: ALBERTA

County: ALBERTA
State: **MD**

TEMPERATURE LOG