



TEMPERATURE GAMMA RAY LOG

FILE NO:
MD11798

API NO:
30-015-44677

COMPANY
WSP USA, INC.
WELL
NAVAJO REFINING WDW #4
FIELD
ARTESIA
COUNTY
EDDY

STATE
NEW MEXICO

Ver. 4.10

LOCATION:
1217' FSL & 2443' FWL
SECTION 23, T17S, R27E
N.M.P.M. SURVEY

OTHER SERVICES

PERMANENT DATUM
LOG MEASURED FROM
DRILL. MEAS. FROM

ELEVATIONS:
KB 3565.8 FT
DF 3584.8 FT
GL 3565.8 FT

DATE
21-JUL-2018

RUN
1

TRIP
1

SERVICE ORDER
140374

DEPTH DRILLER
10360 FT

DEPTH LOGGER
N/A

BOTTOM LOGGED INTERVAL
10310 FT

TOP LOGGED INTERVAL
1680 FT

TIME STARTED
14:00

TIME FINISHED

OPERATOR RIG TIME

TYPE OF FLUID IN HOLE
WBM

FLUID DENSITY
10.2 LB/G

FLUID SALINITY
N/A

FLUID LEVEL
FULL

LOGGED CEMENT TOP
N/A

WELLHEAD PRESSURE
0 PSI

MAXIMUM HOLE DEVIATION
0 DEG

NOMINAL LOGGING SPEED
100 F/MIN

MAX. RECORDED TEMP.
N/A

REFERENCE LOG
SBT LOG

REFERENCE LOG DATE
7/19/18

EQUIP. NO.
HL6845

LOCATION
MIDLAND, TX

RECORDED BY
JKOSKI

WITNESSED BY
R COOK

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

REMARKS

RUN 1 TRIP 1: TIED INTO SBT LOG
DATED 7/19/18

RIG: PATRIOT #5
CREW: A.FERREBUS / A.ADEBOWALE

MAIN LOG 5"/100FT SCALE

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/md11798R10/p354a01.prm
LOGGING MODE: DEPTH DIRECTION: DOWN
TOP DEPTH: 1625.056 ft BOTTOM DEPTH: 10307.158 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
TEMP	FILTER ()	medium (1)		"	"

CURVE DESCRIPTION REPORT

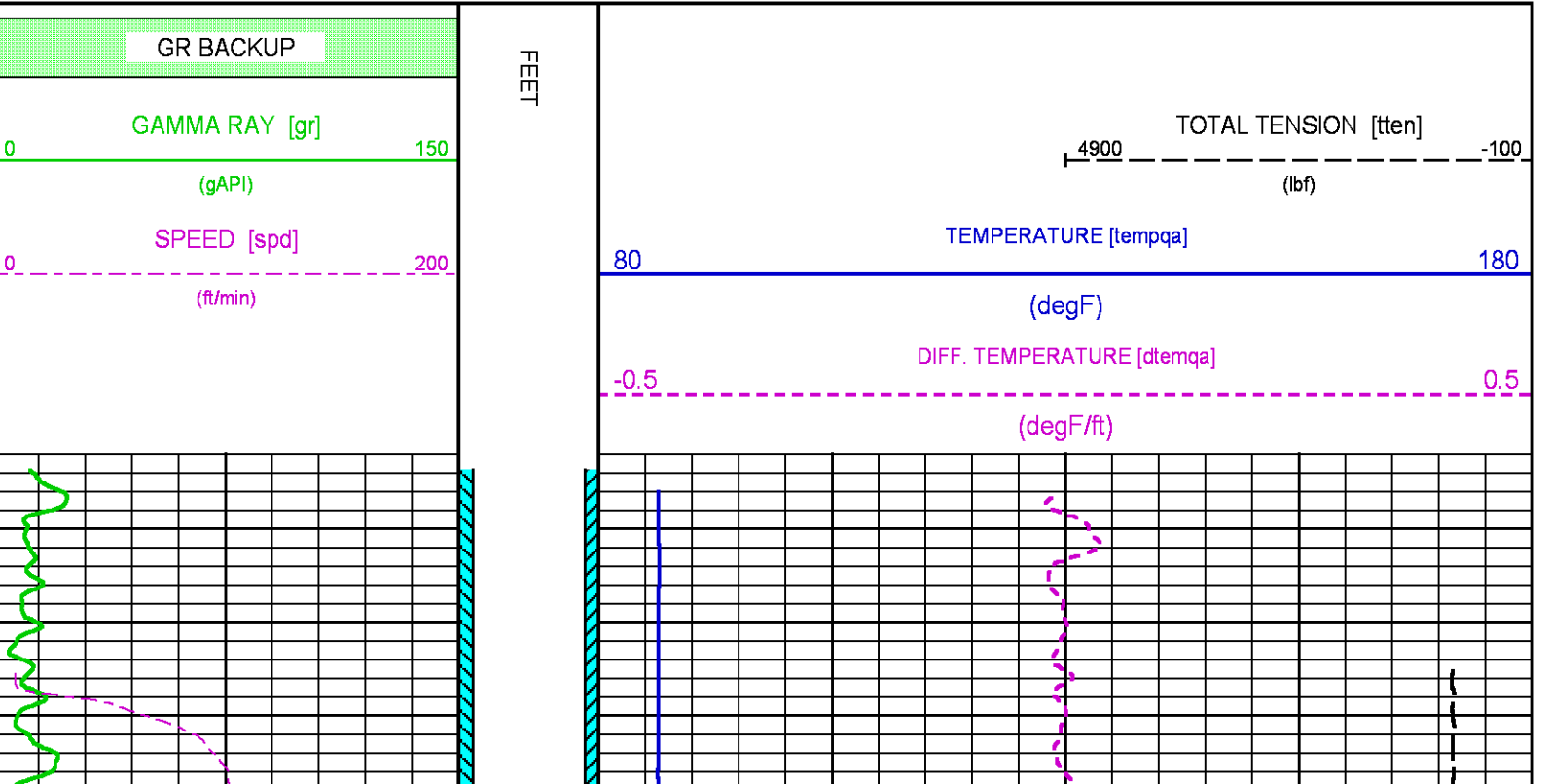
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:DTEMQA	N/A	DIFFERENTIAL TEMPERATURE
F1:GR	N/A	GAMMA RAY
F1:SPD	N/A	SPEED
F1:TEMPQA	N/A	TEMPERATURE
F1:TEN	N/A	TOTAL TENSION

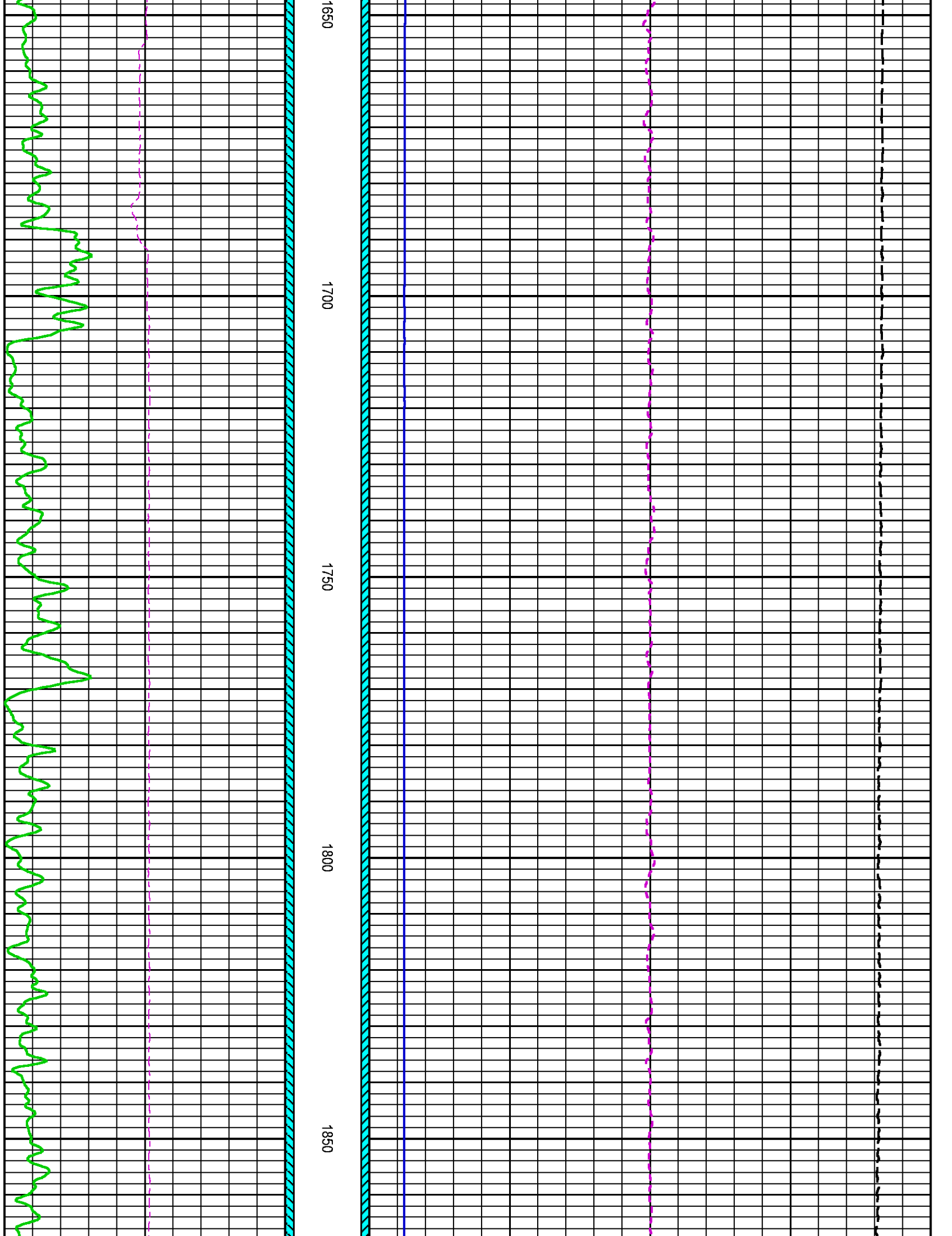
CURVE MEASURE POINT OFFSET

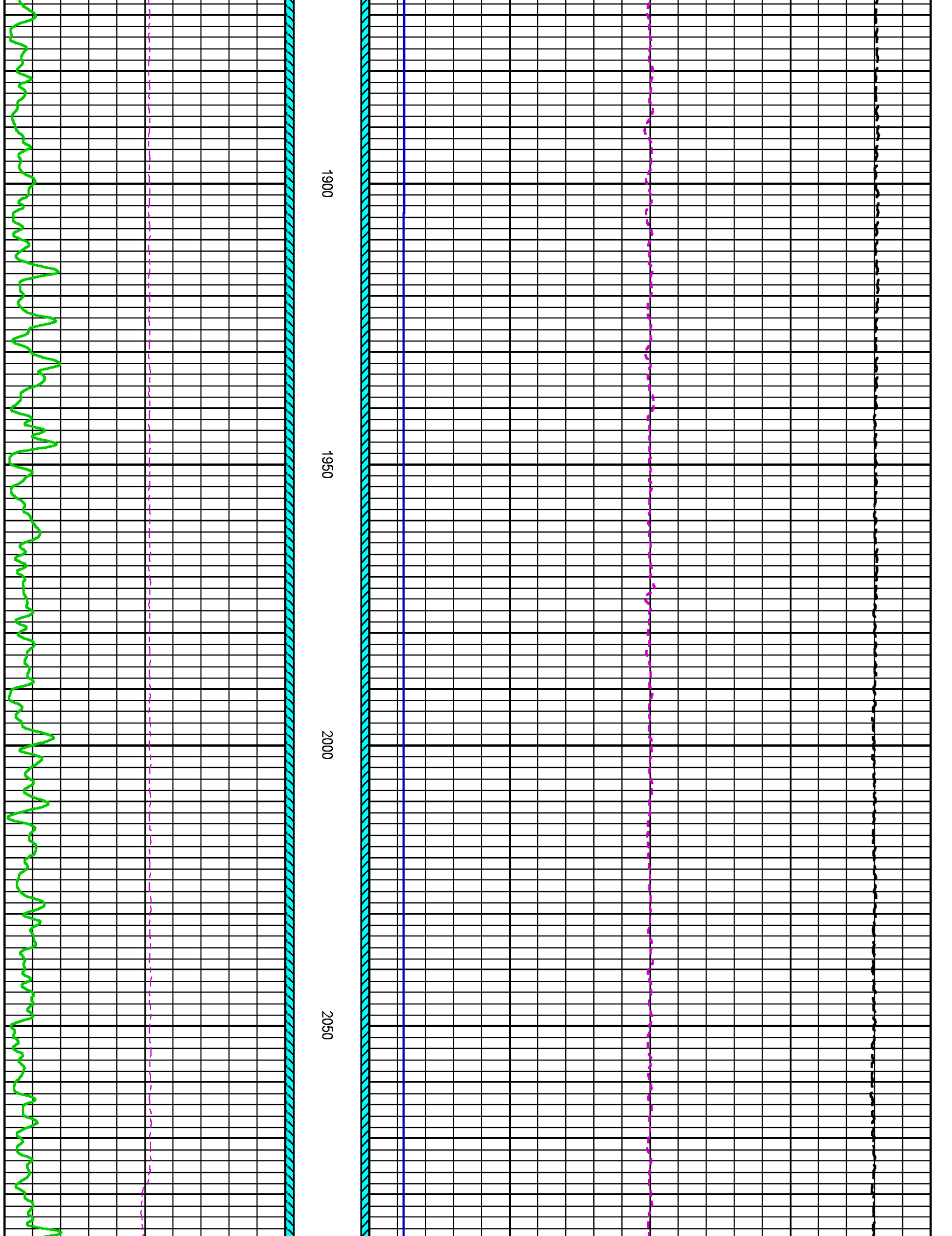
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
DTEMQA	-19.25	SPD	0.00	TEN	0.00		
GR	-21.75	TEMPQA	-19.25				

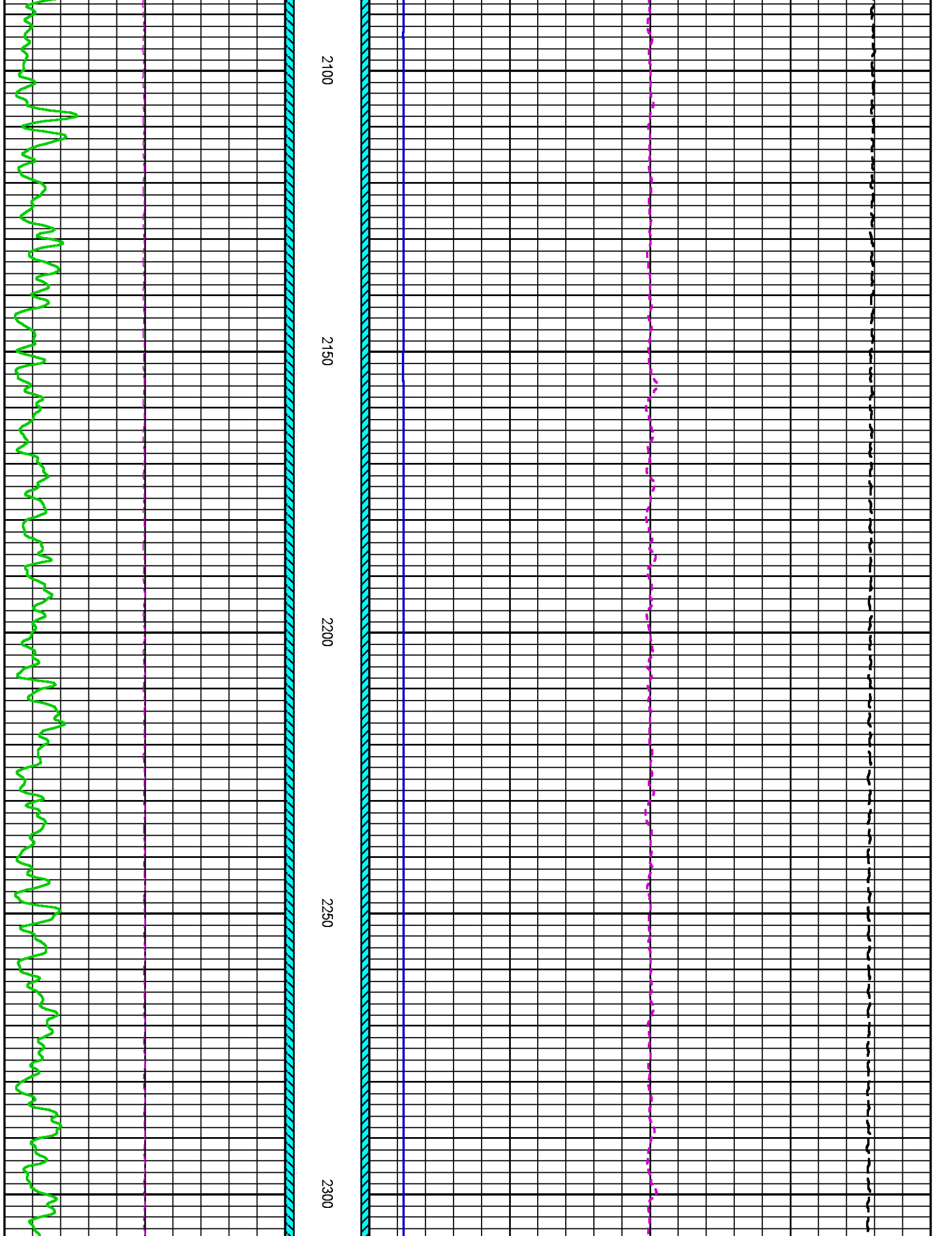
Presentation : SysA:/dat1a/md11798R10/gr-temp.fvpdf [5"/100' Scale]
Plot Interval : 1613.75 - 10314.8 Feet

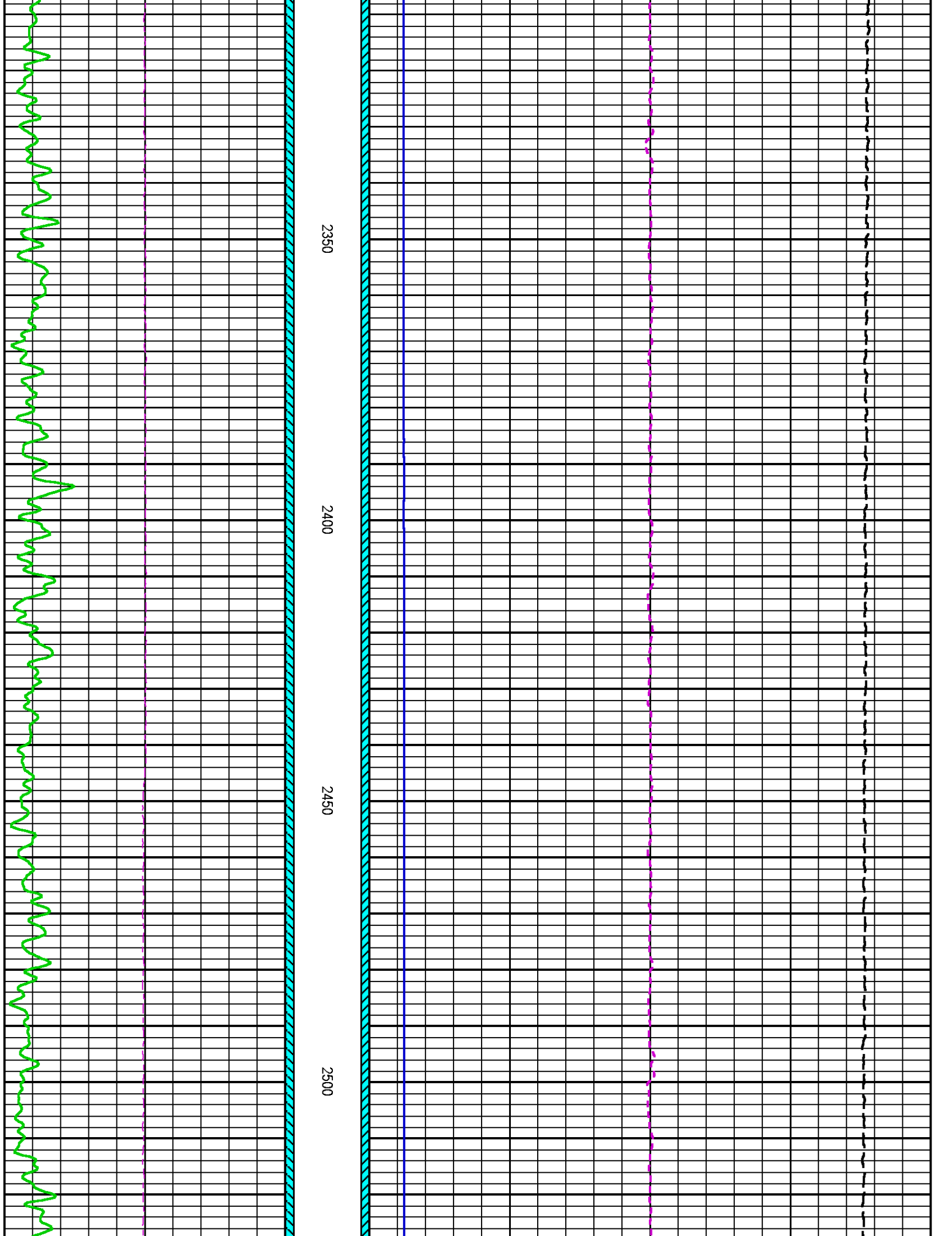
Data File 1 : F1 : SysA:/dat1a/md11798R10/temp.xtf
Created On : N/A
Company : HOLLY FRONTIER - NAVAJO
Well : NAVAJO REFINING WDW #4
Field : ARTESIA
File Interval : 1613.75 - 10316 Feet
OCT : p354a

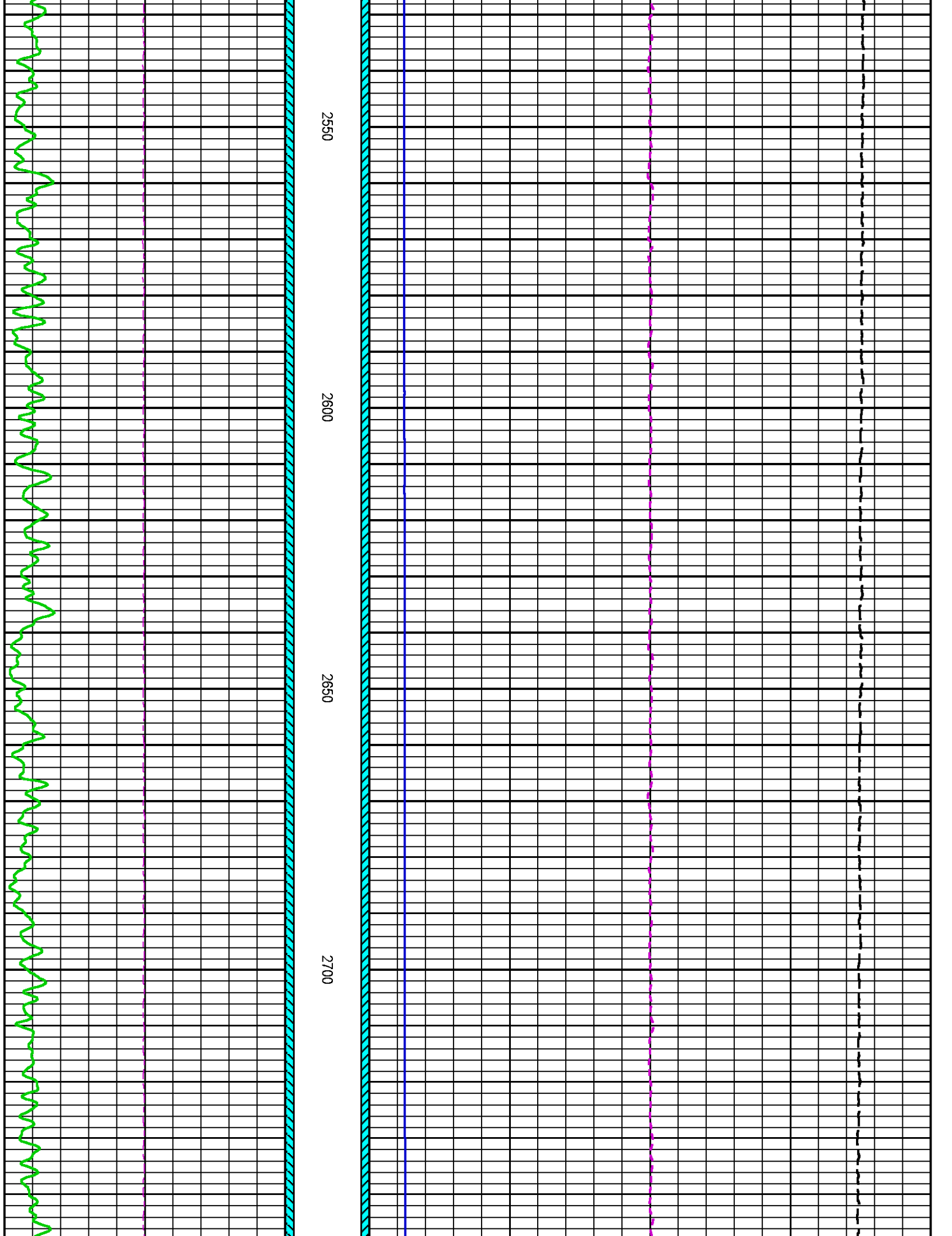


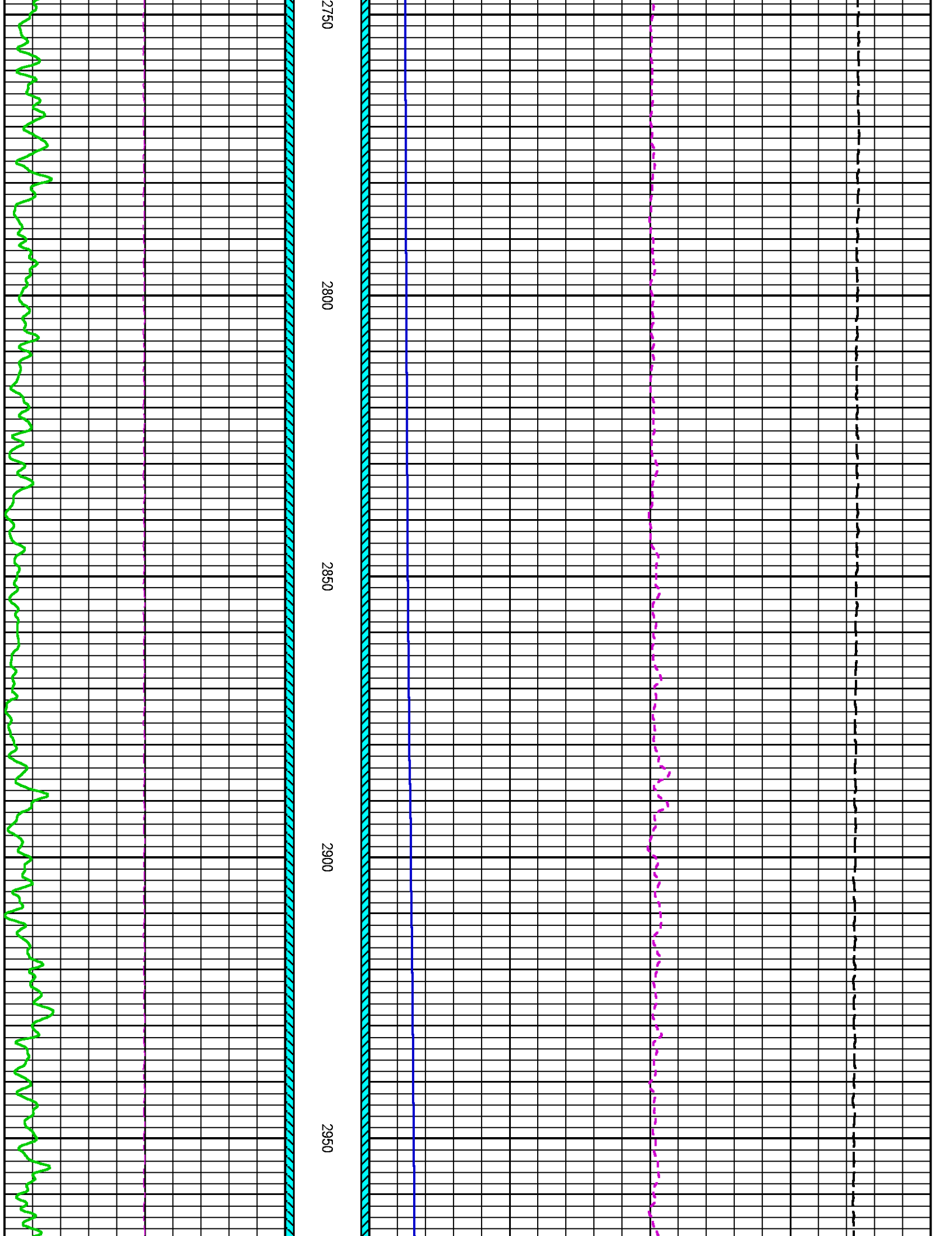


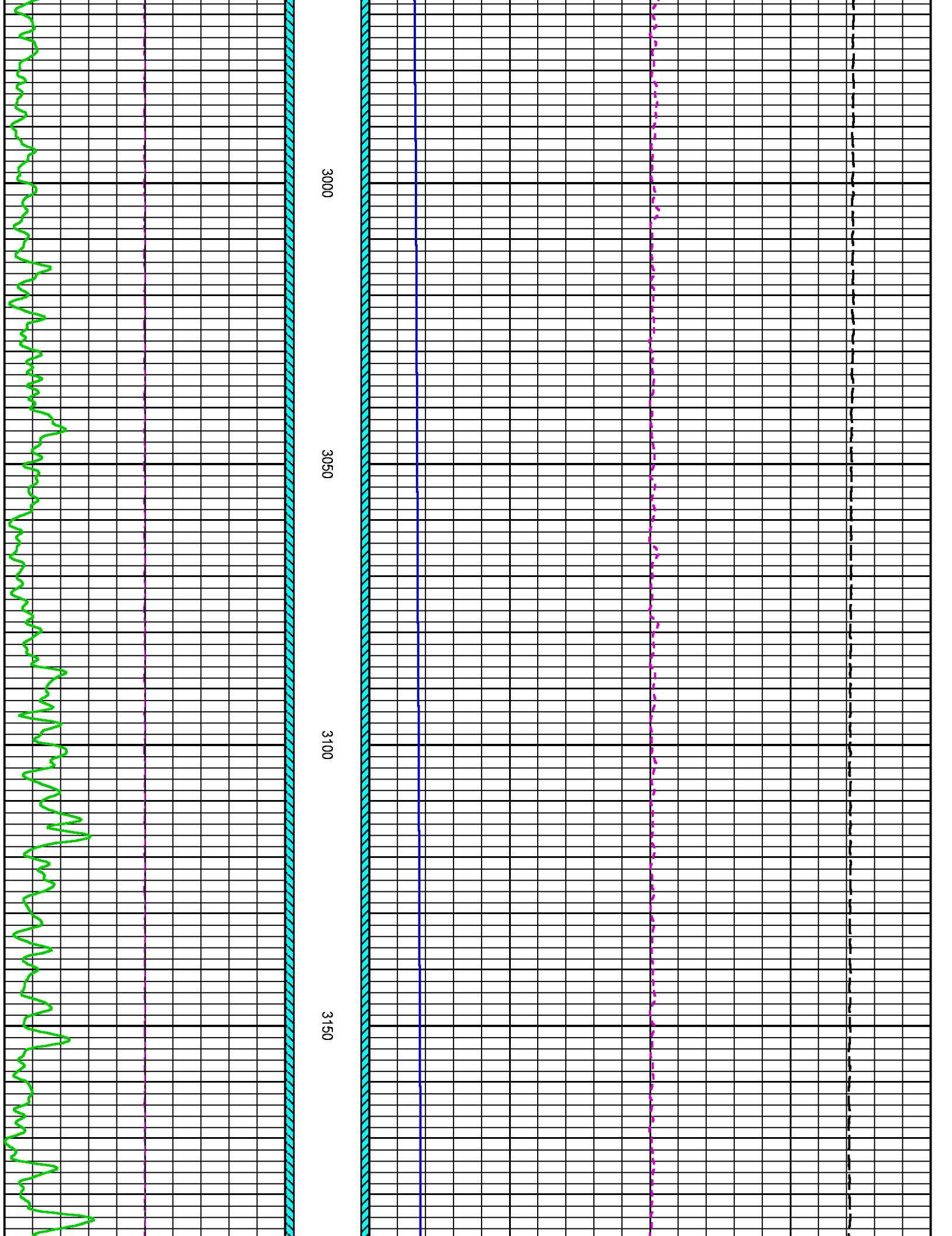


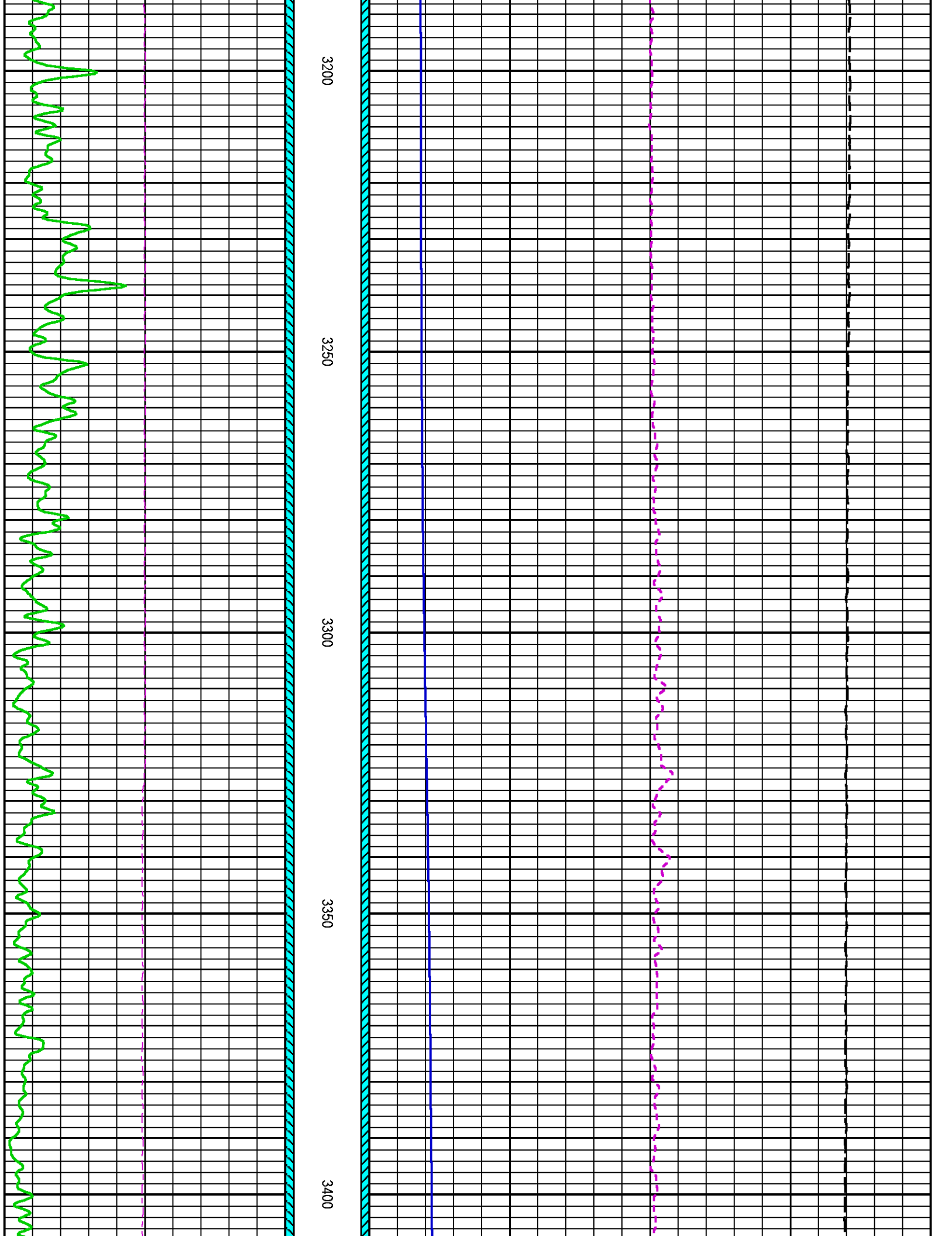


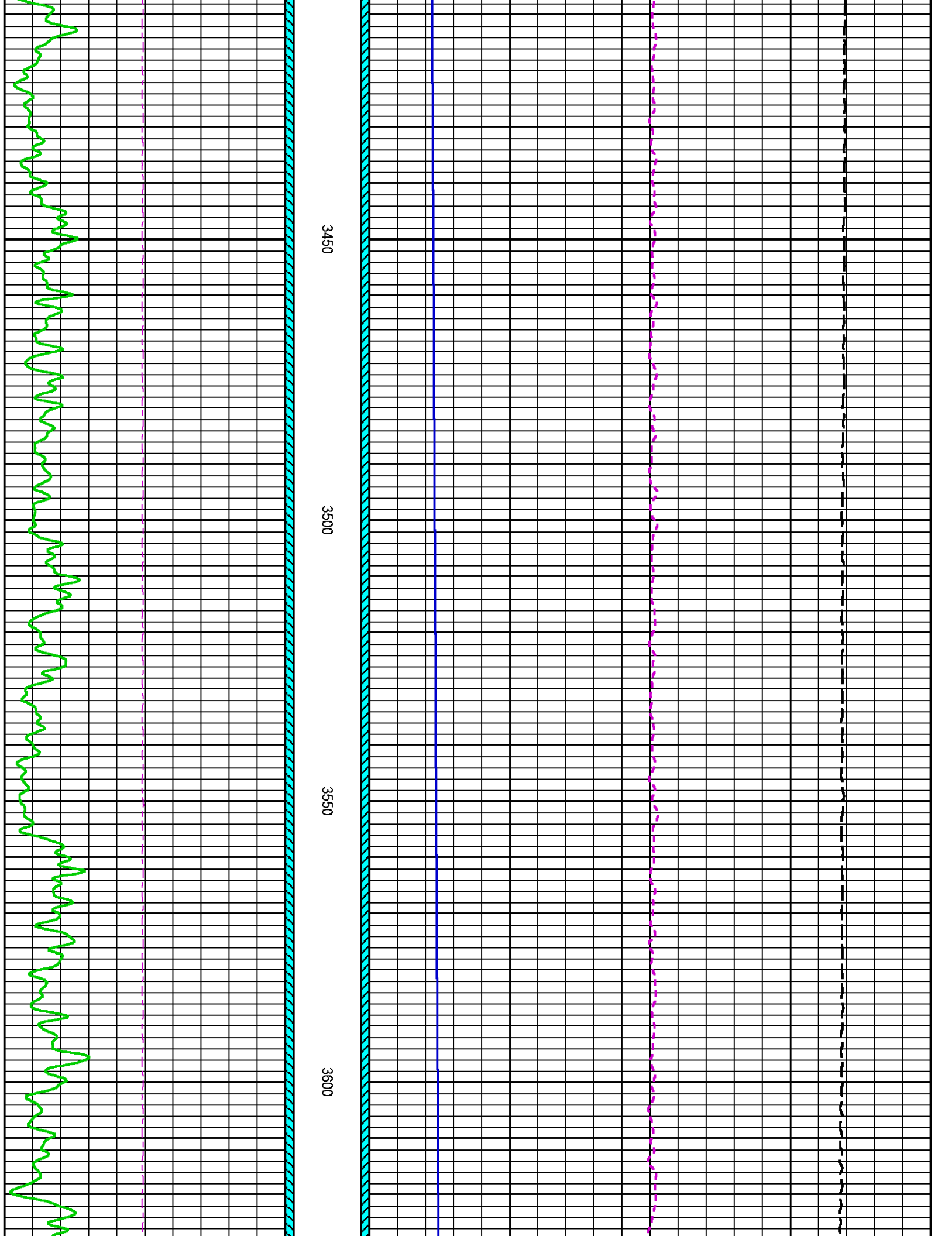


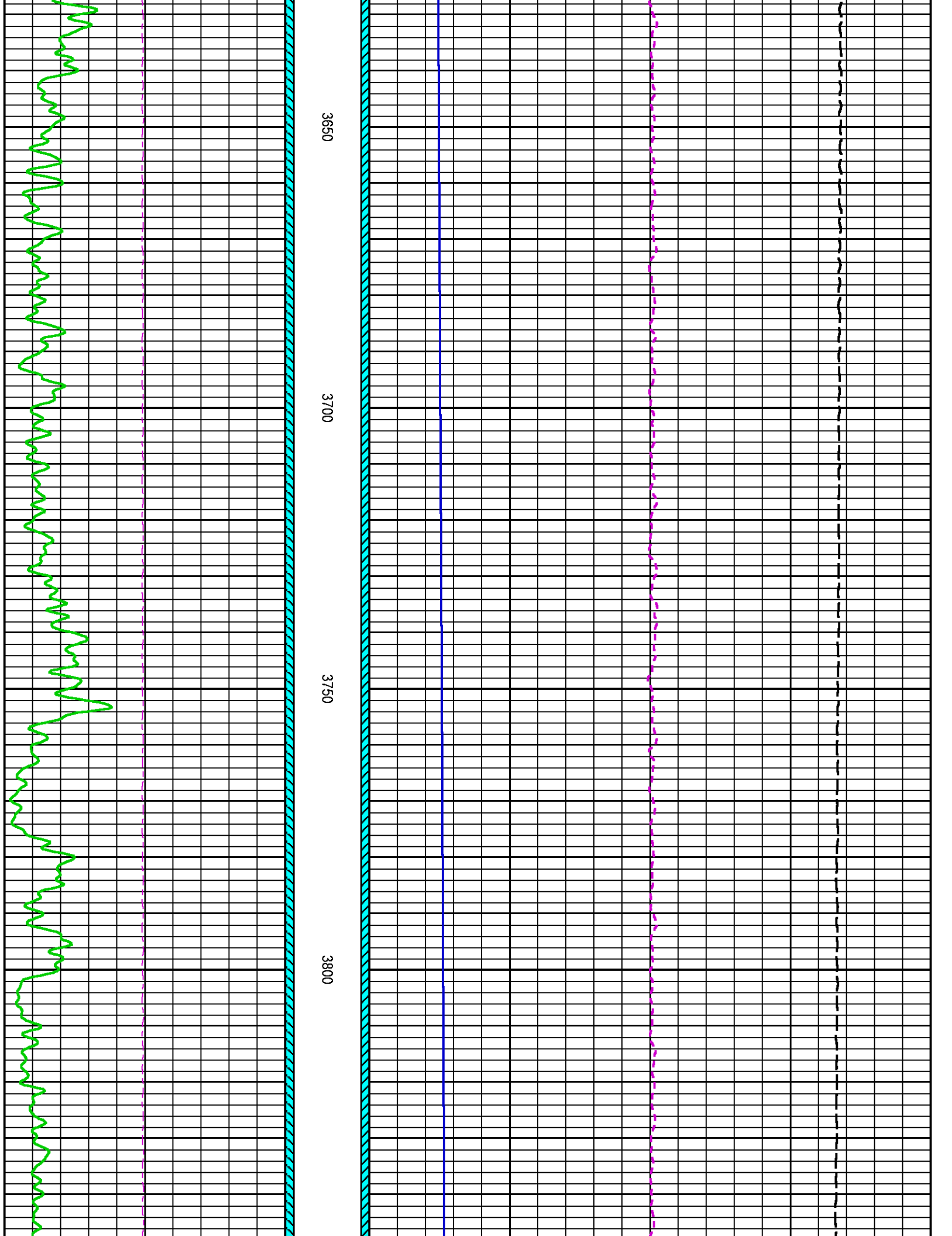


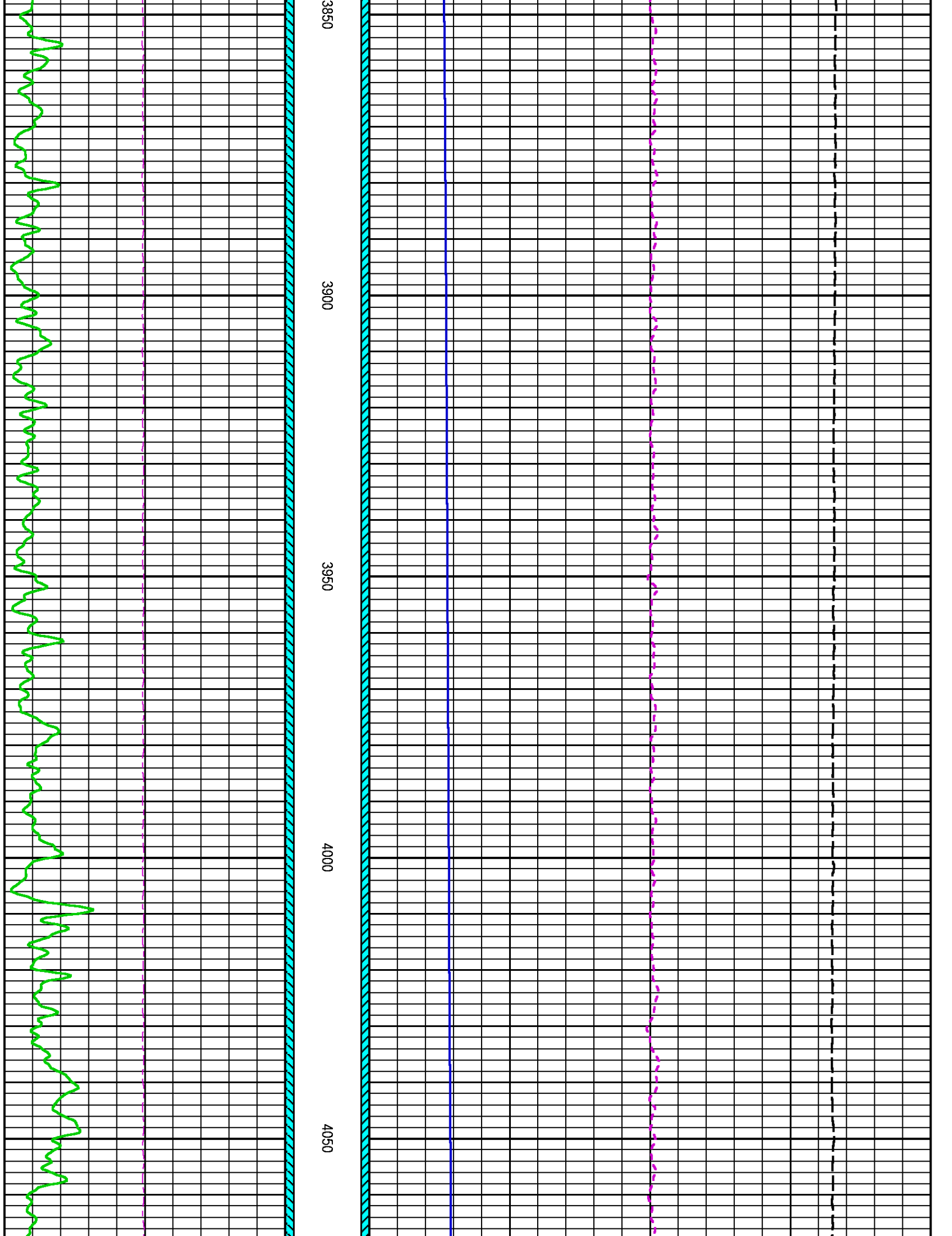


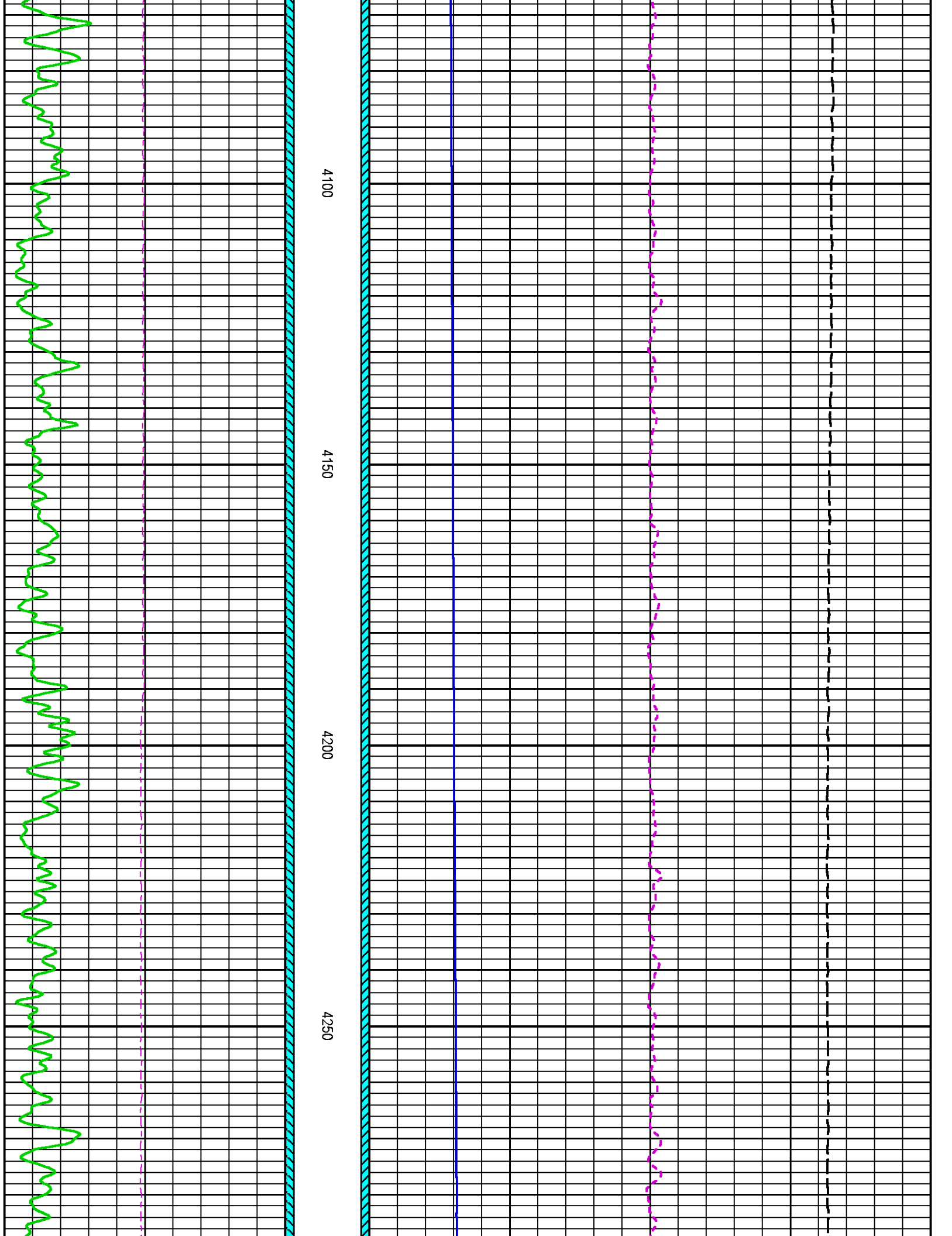


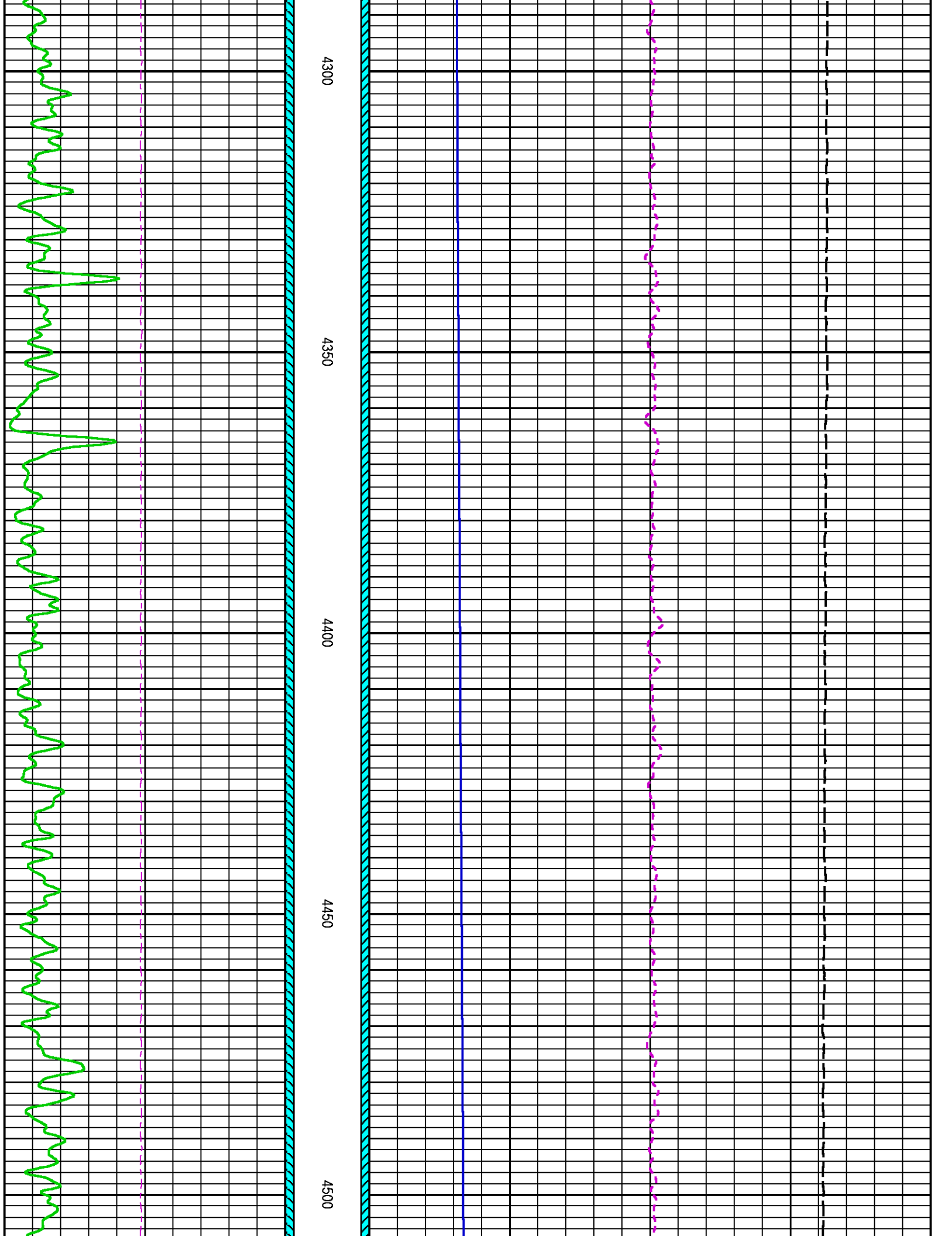


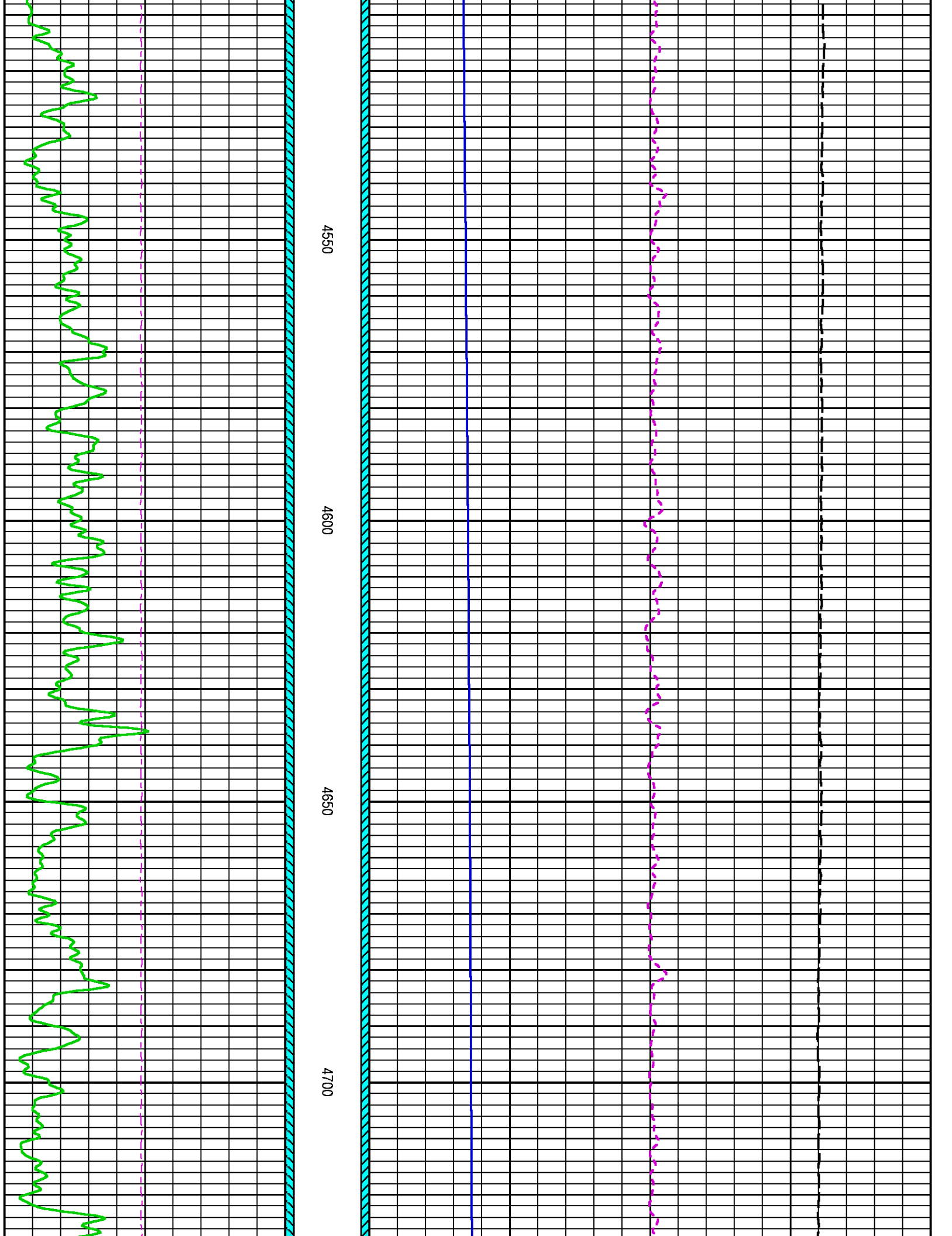


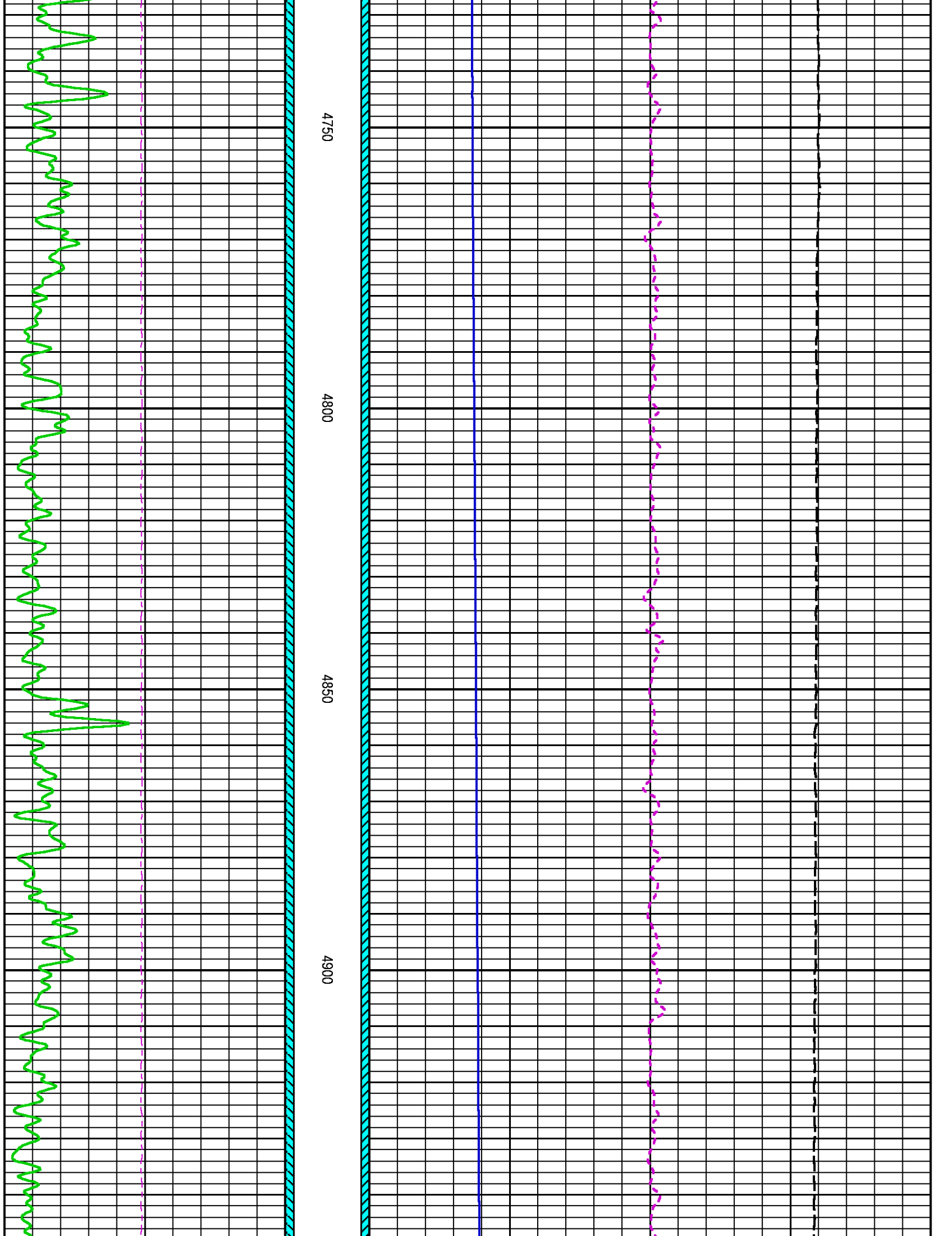


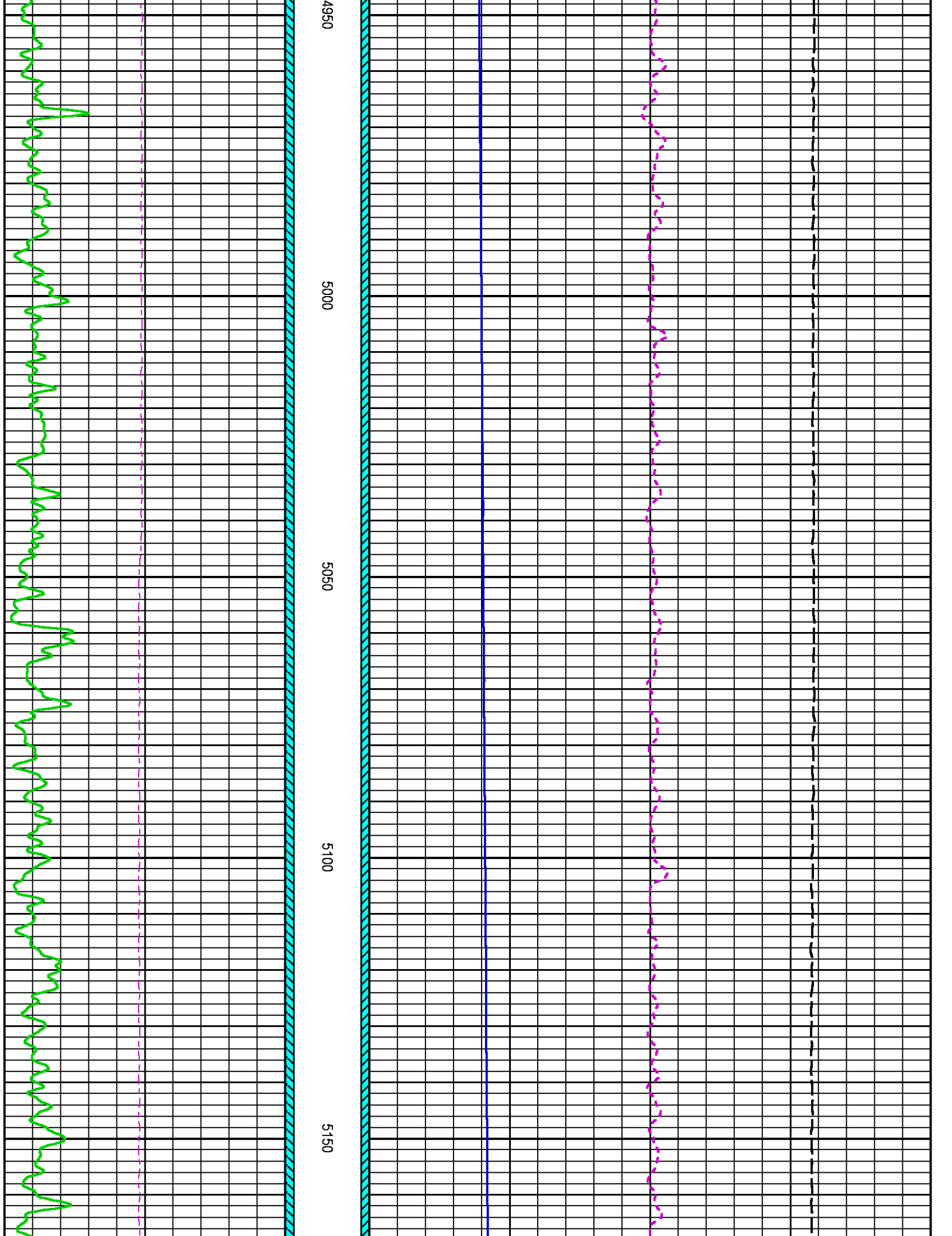


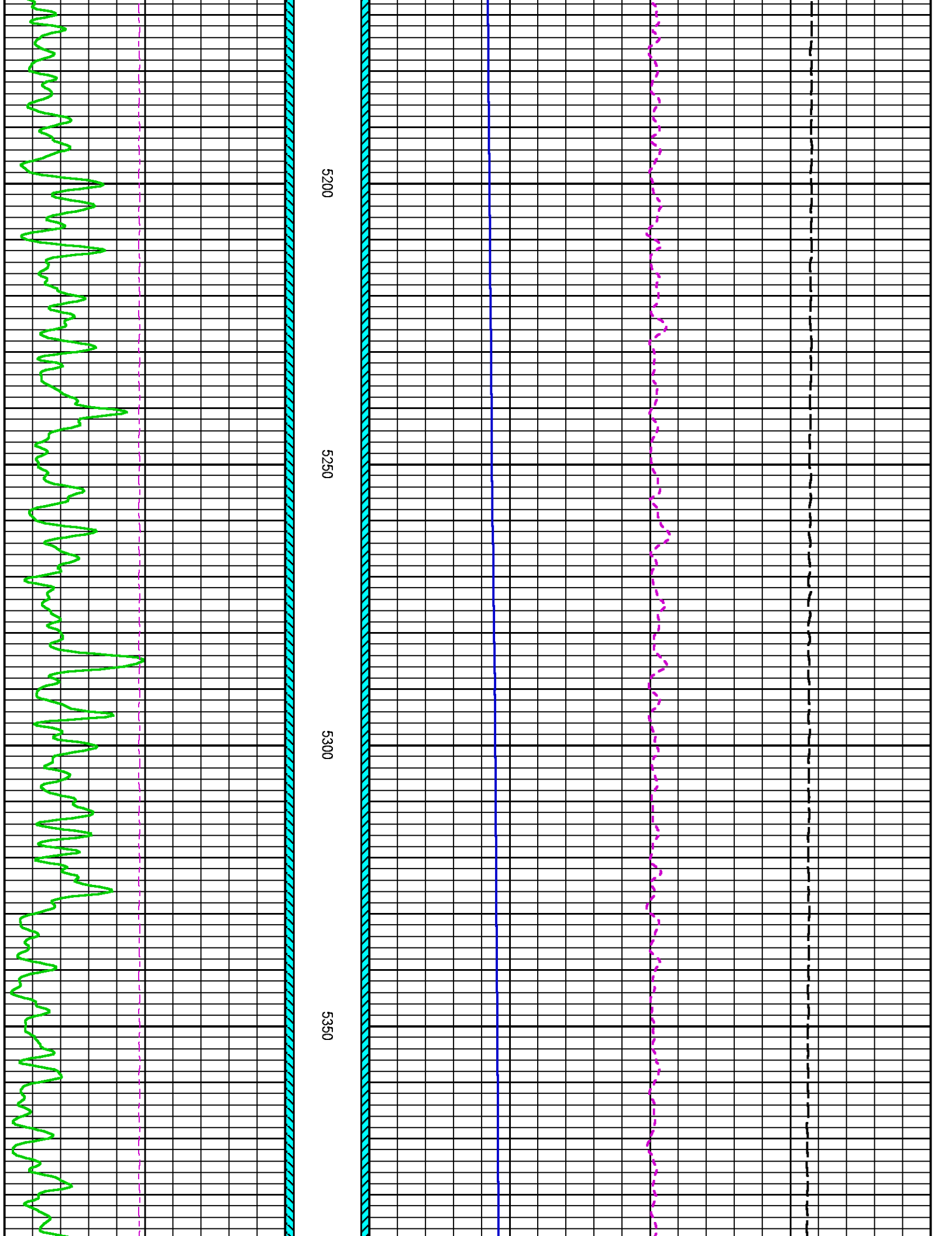


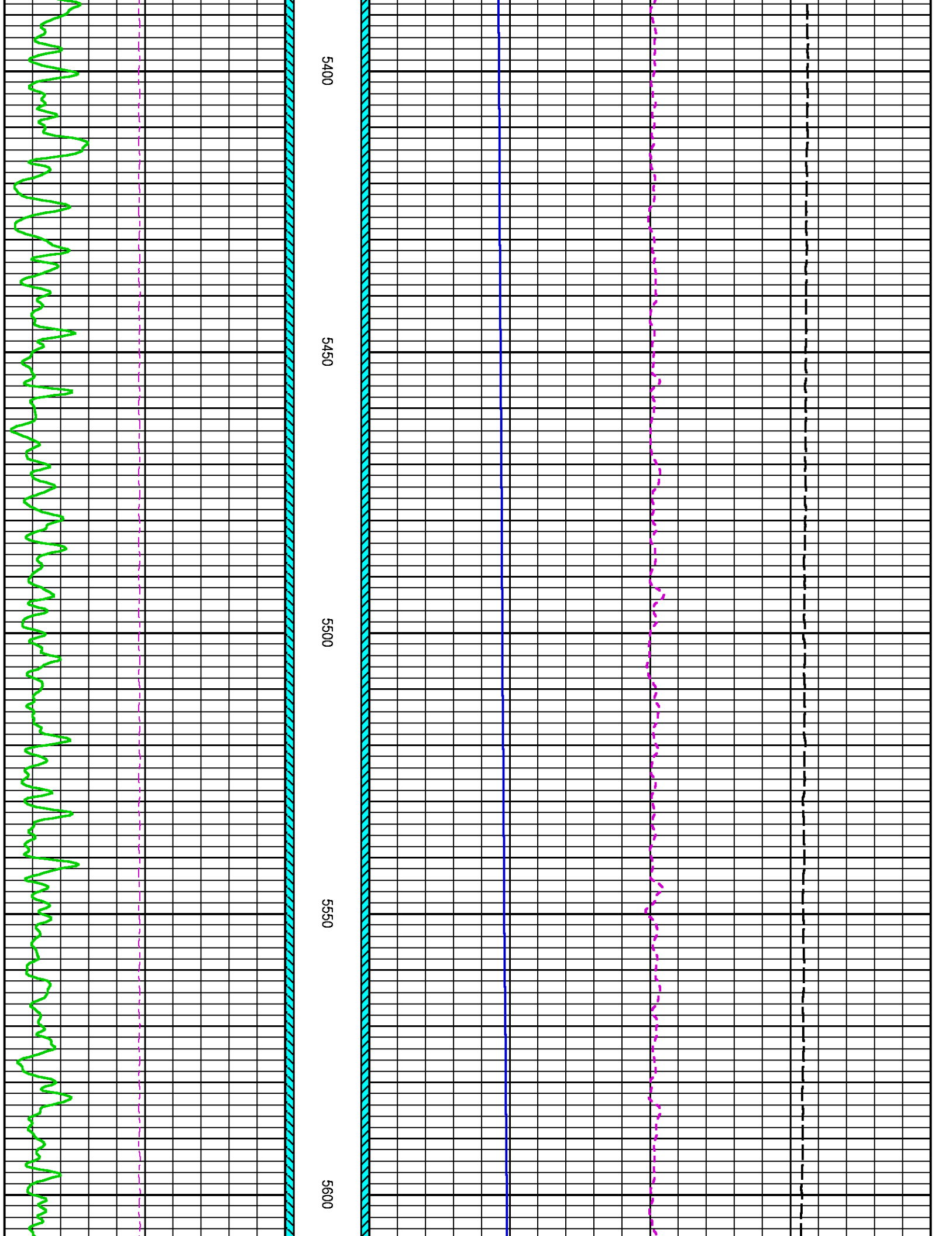


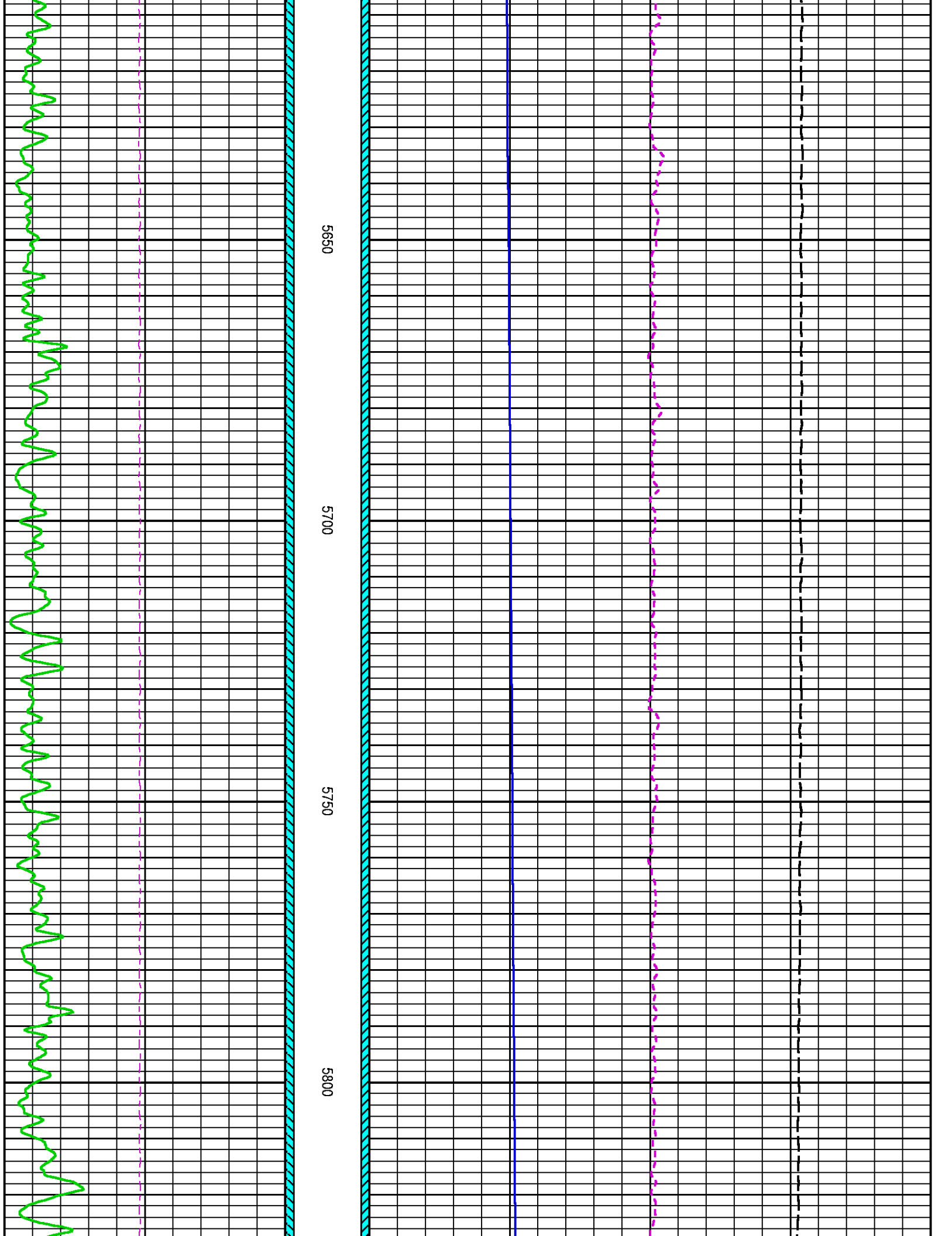


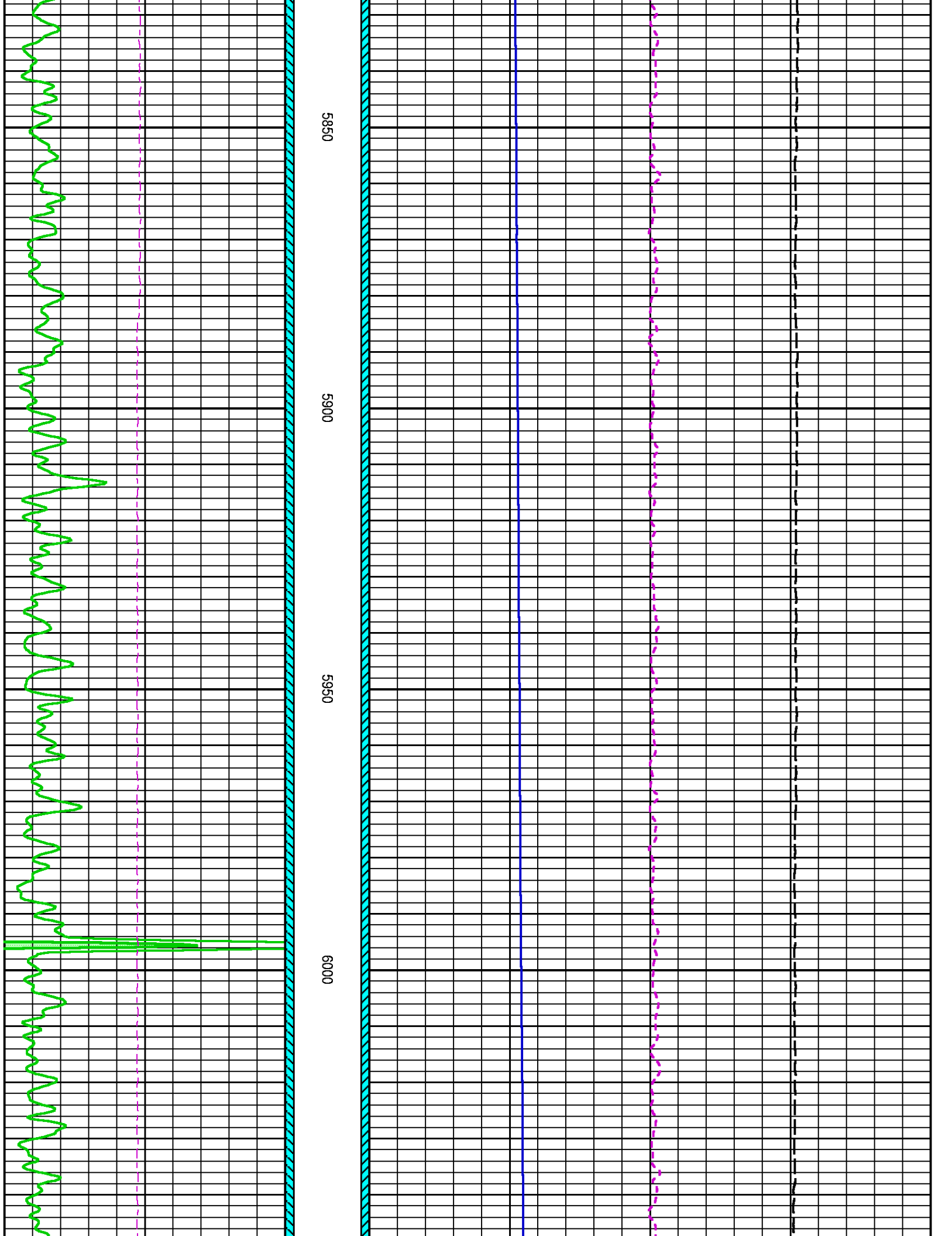


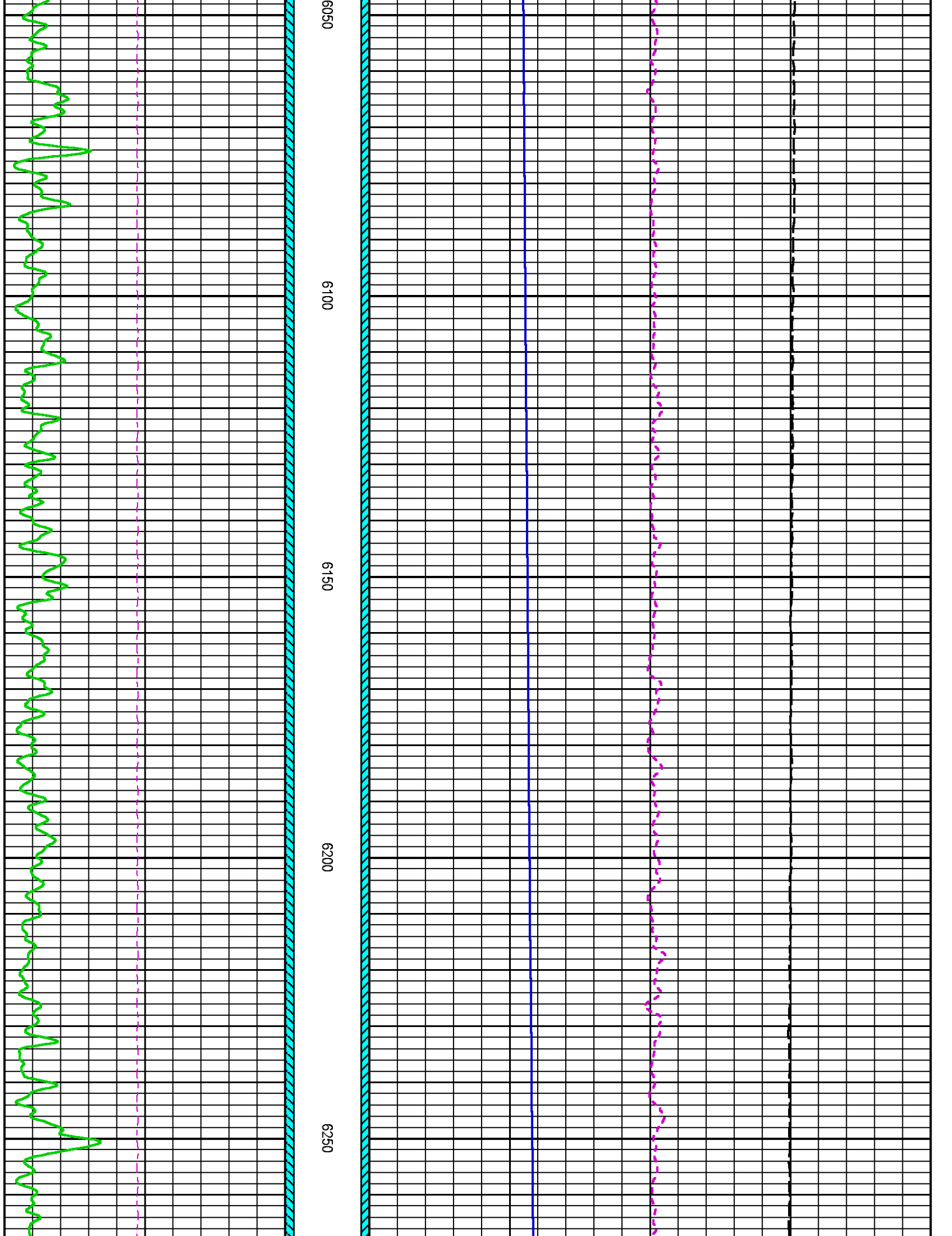


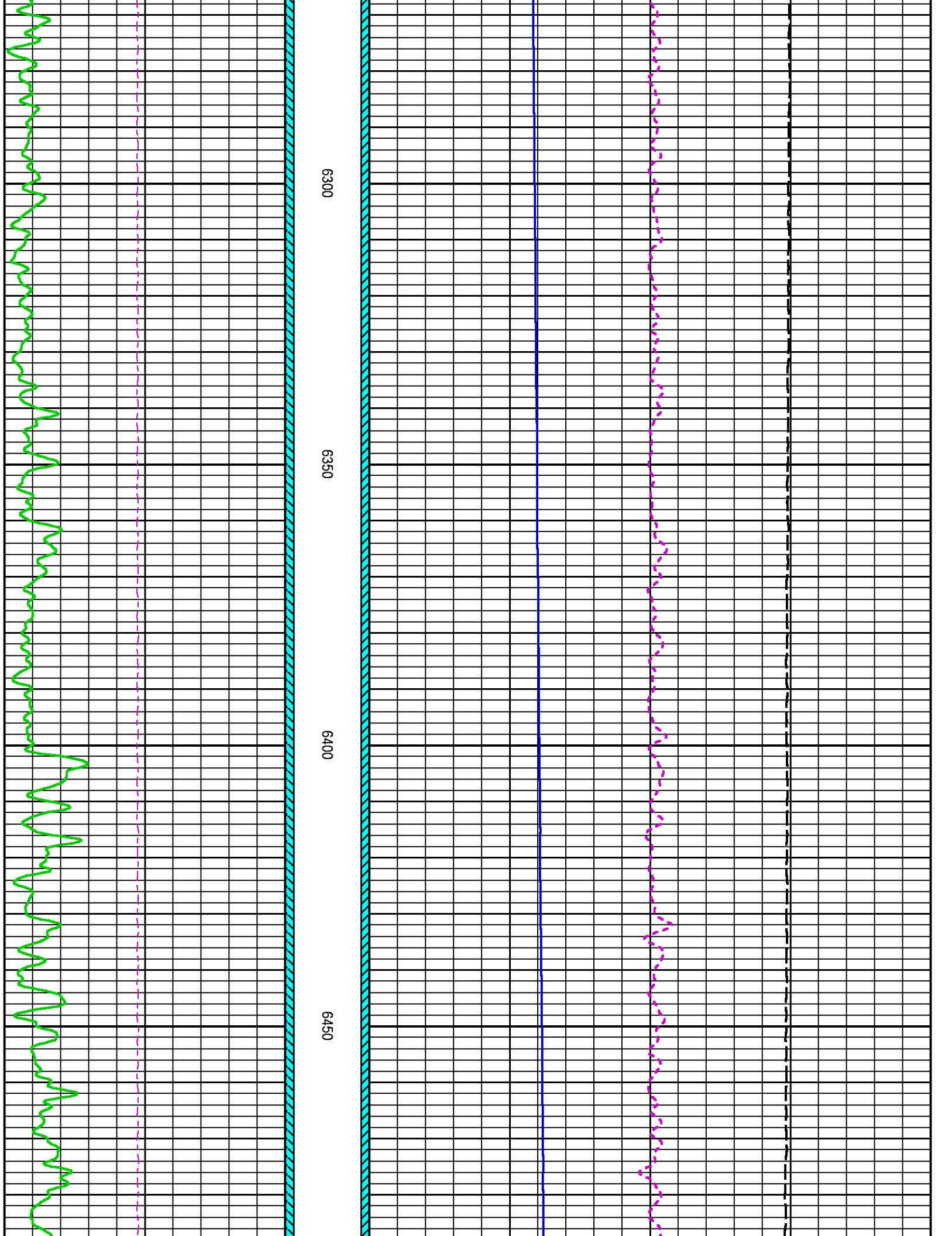


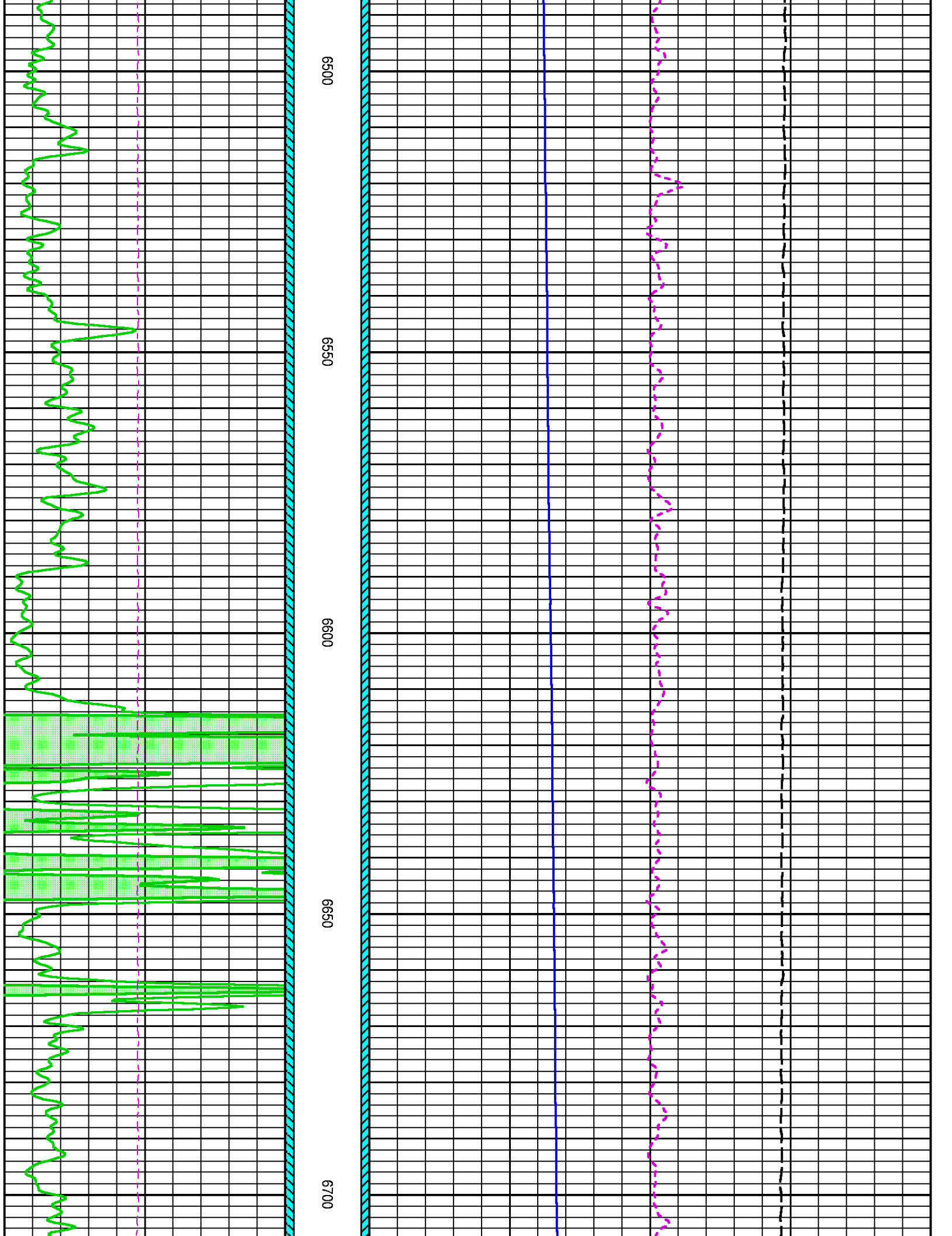


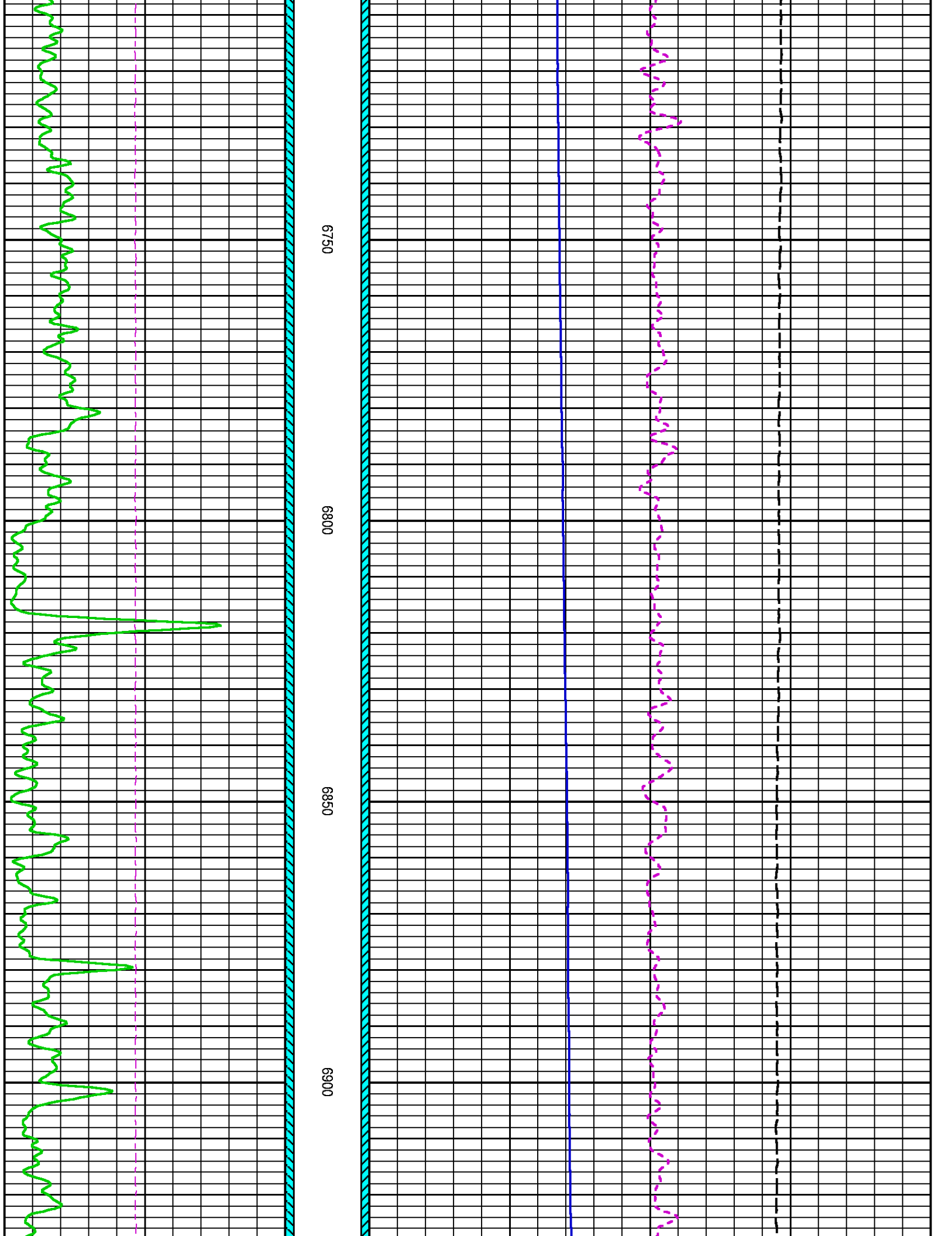


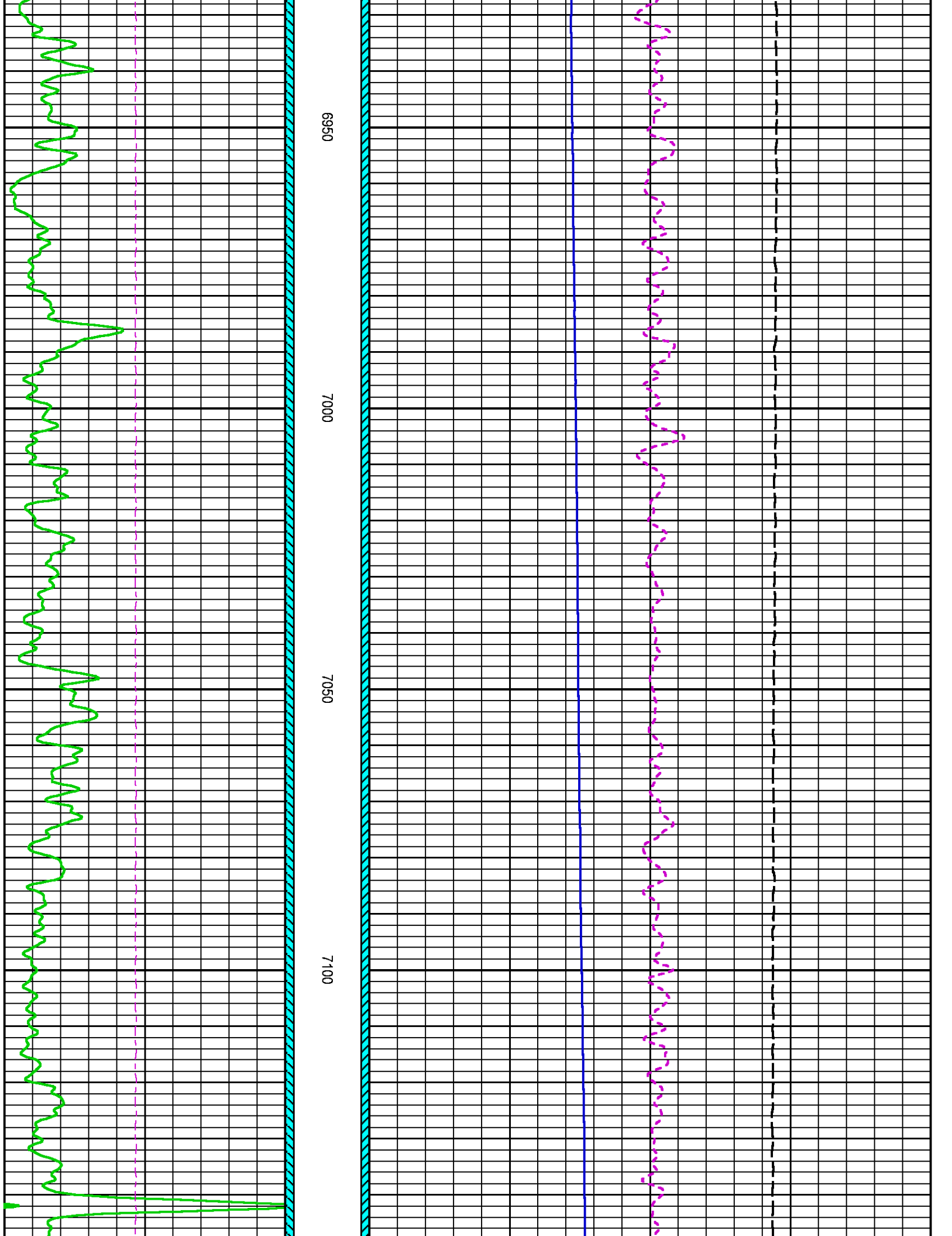


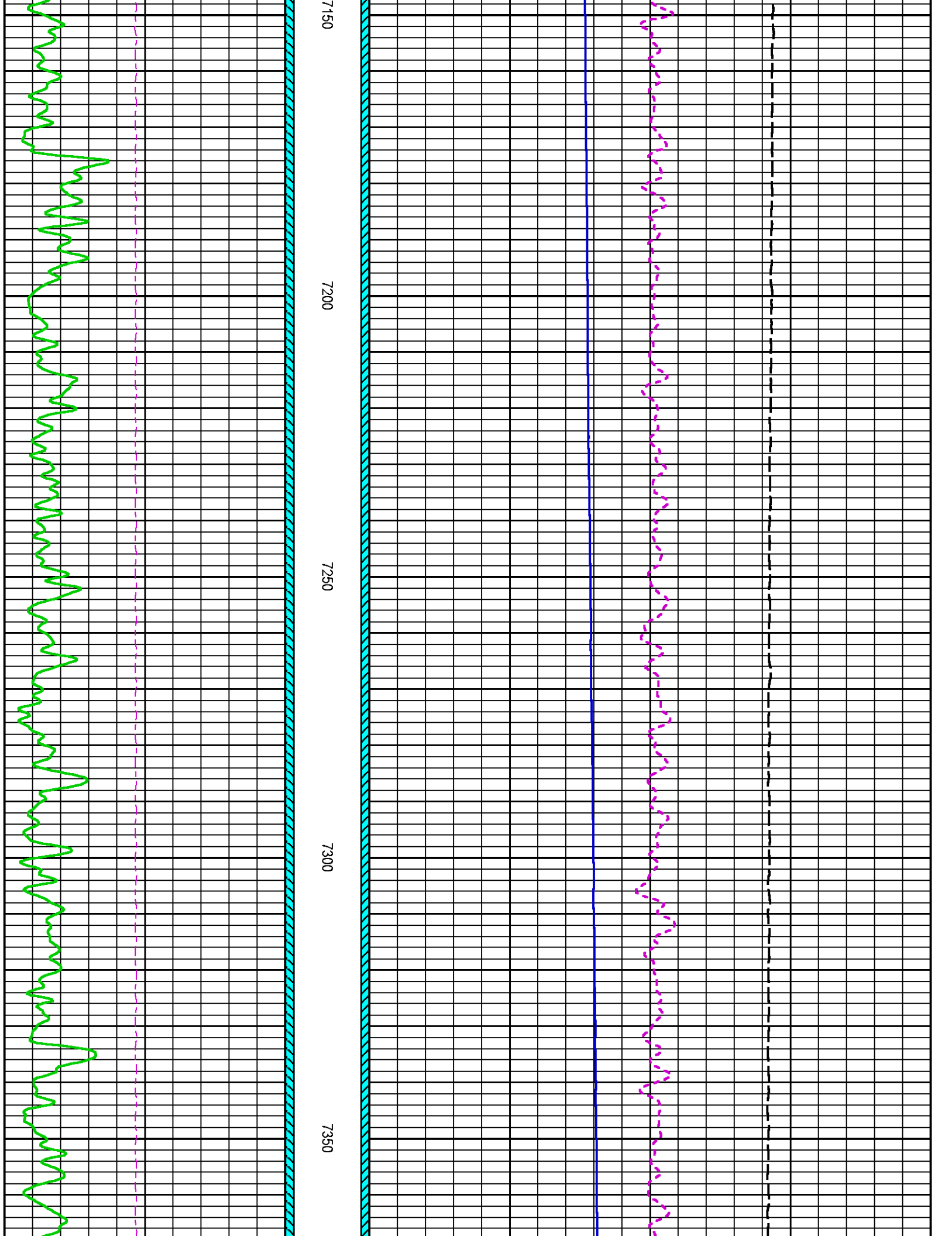


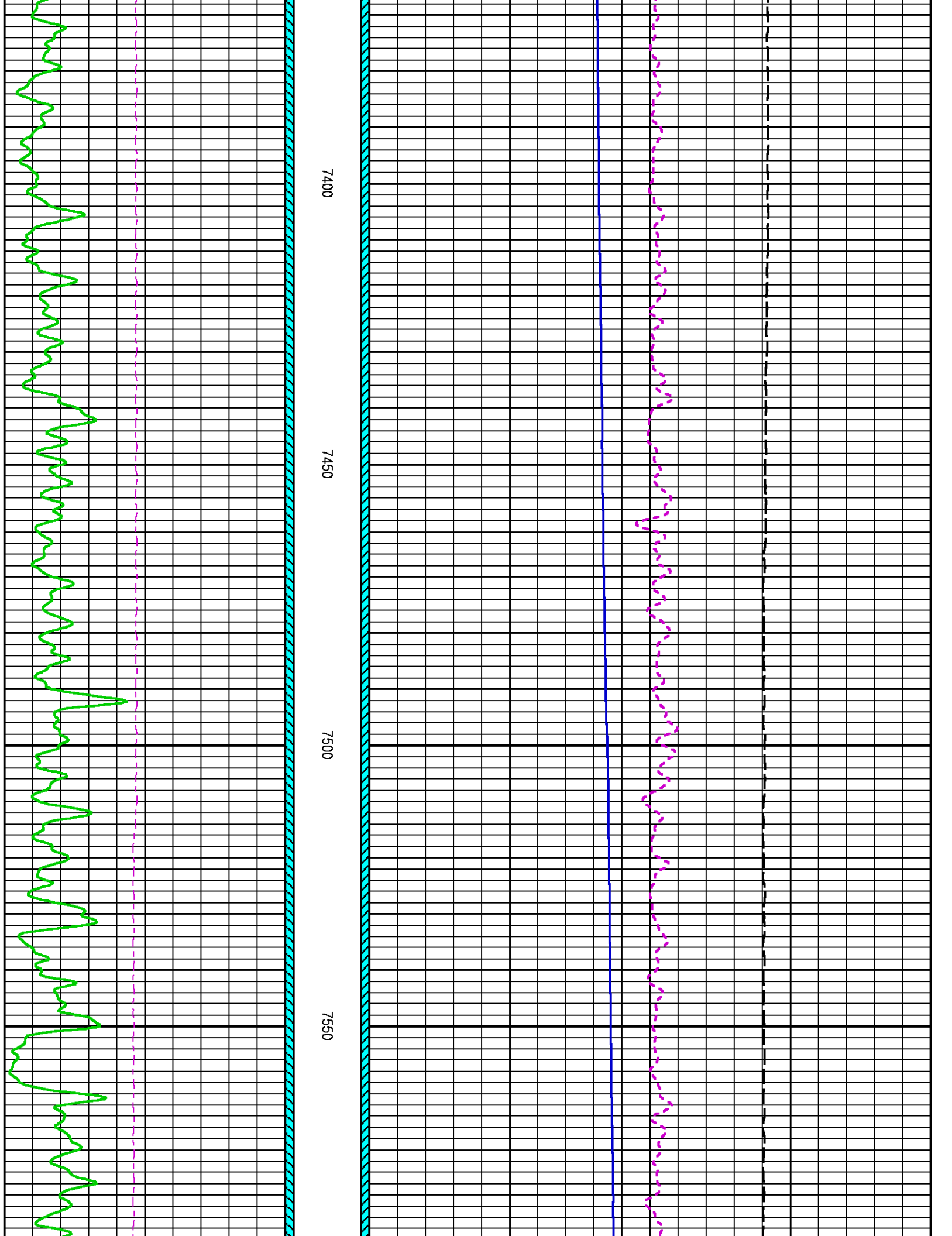


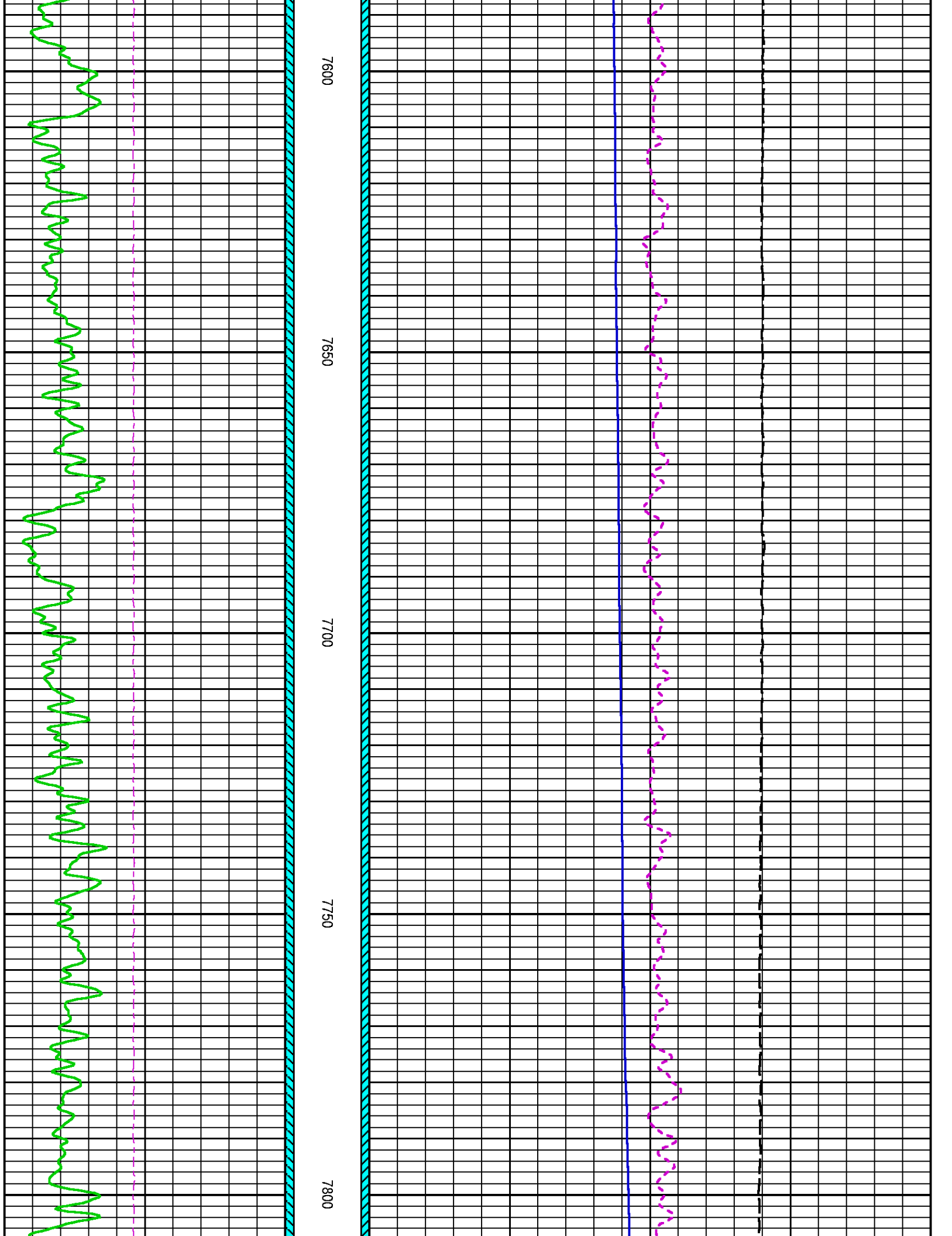


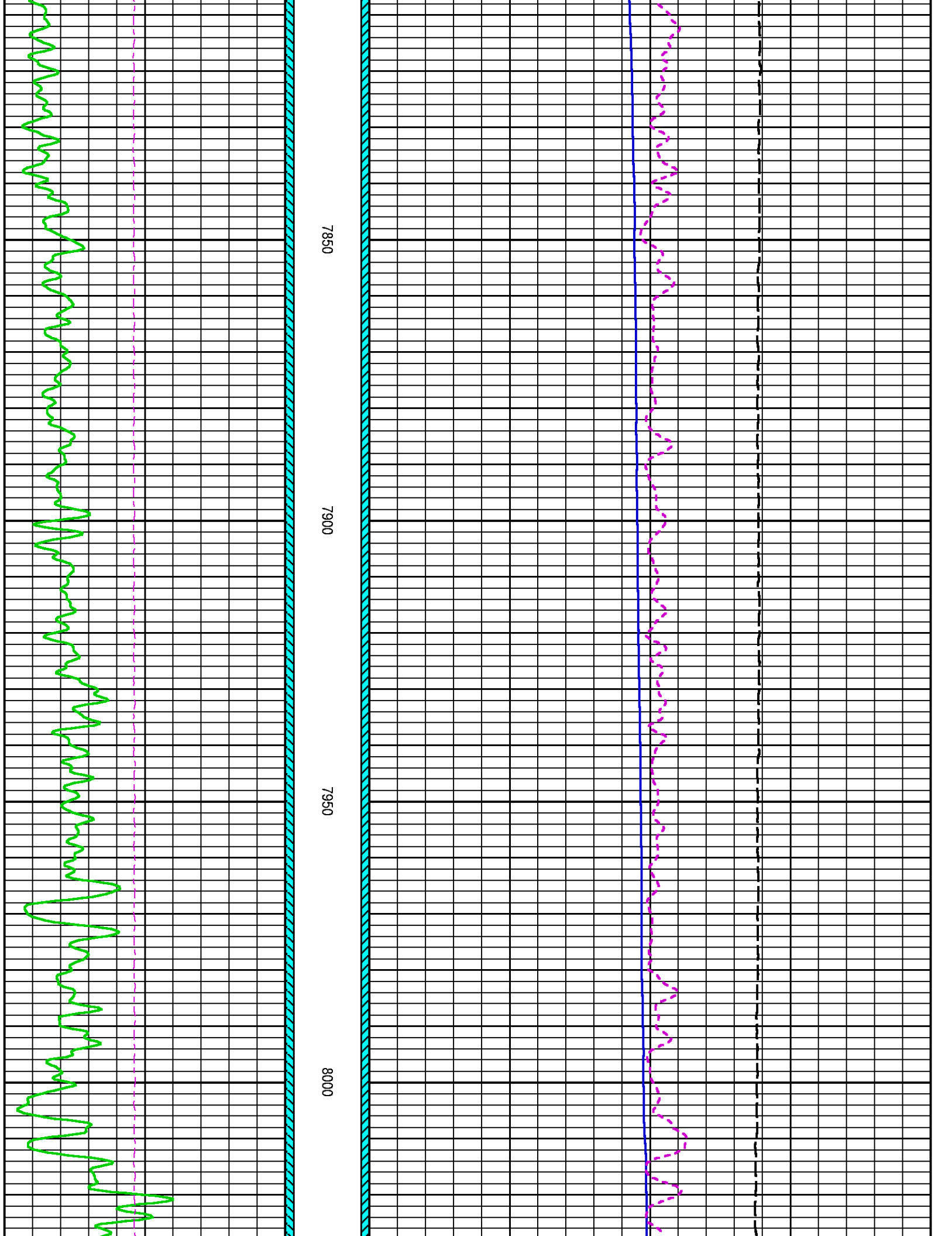


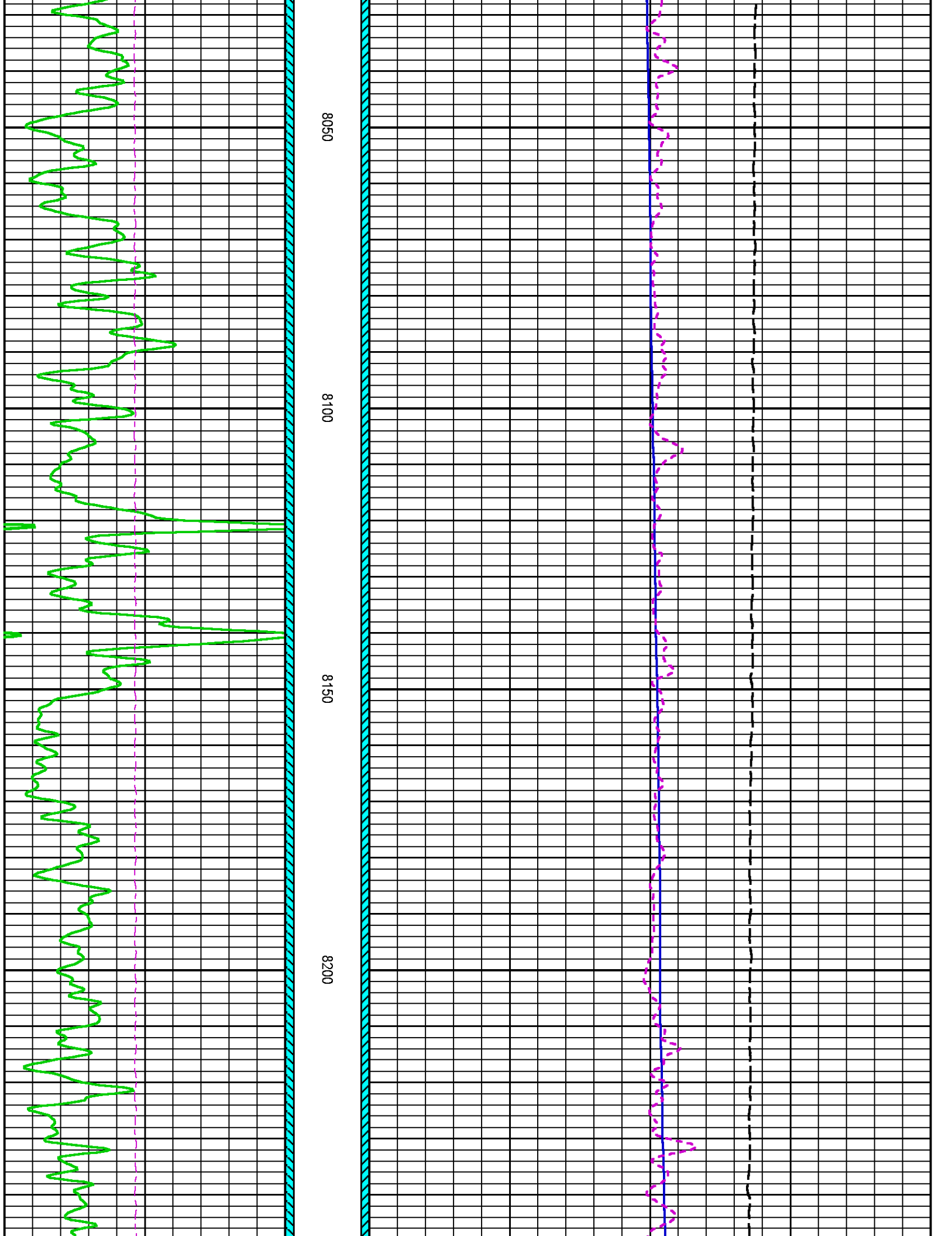


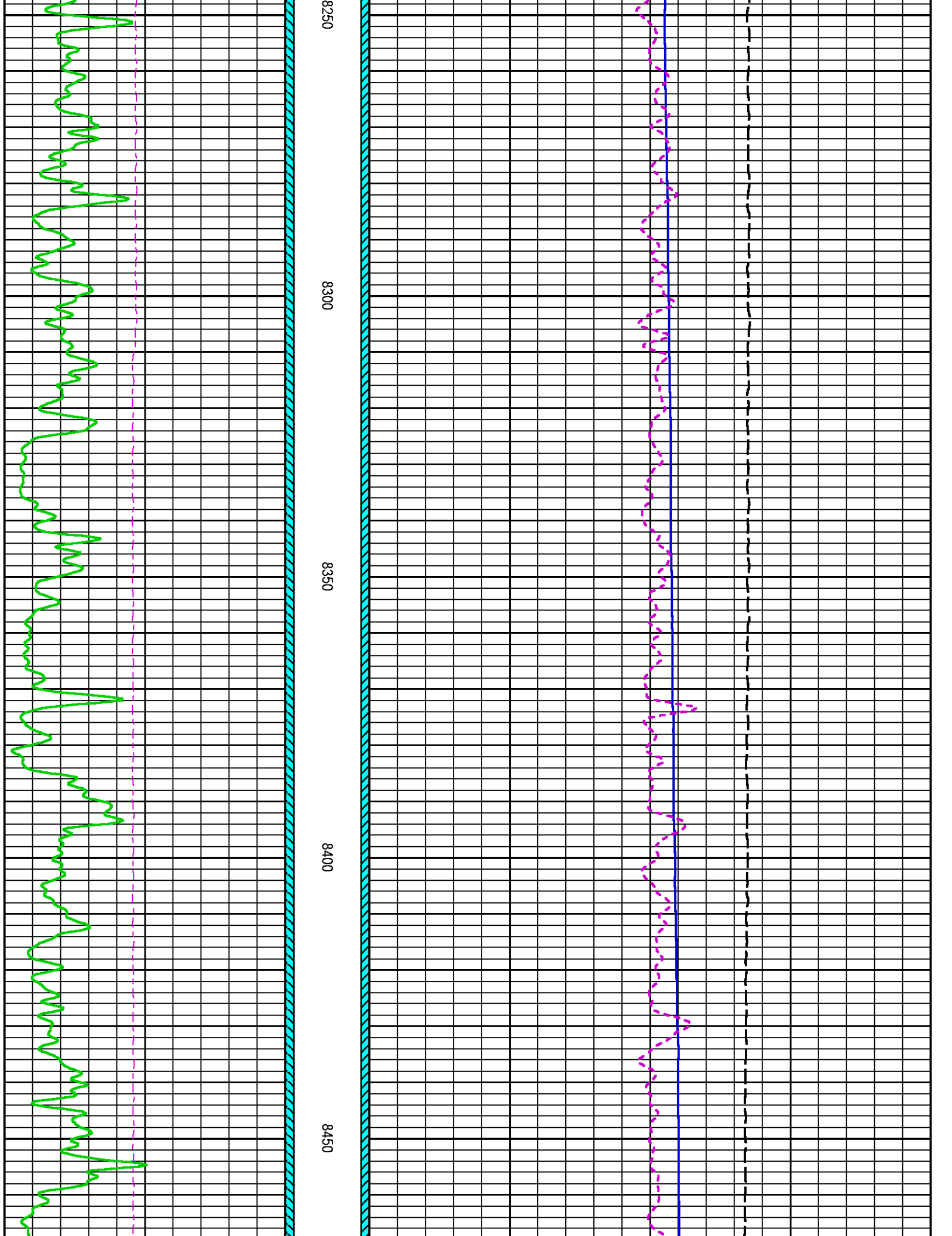


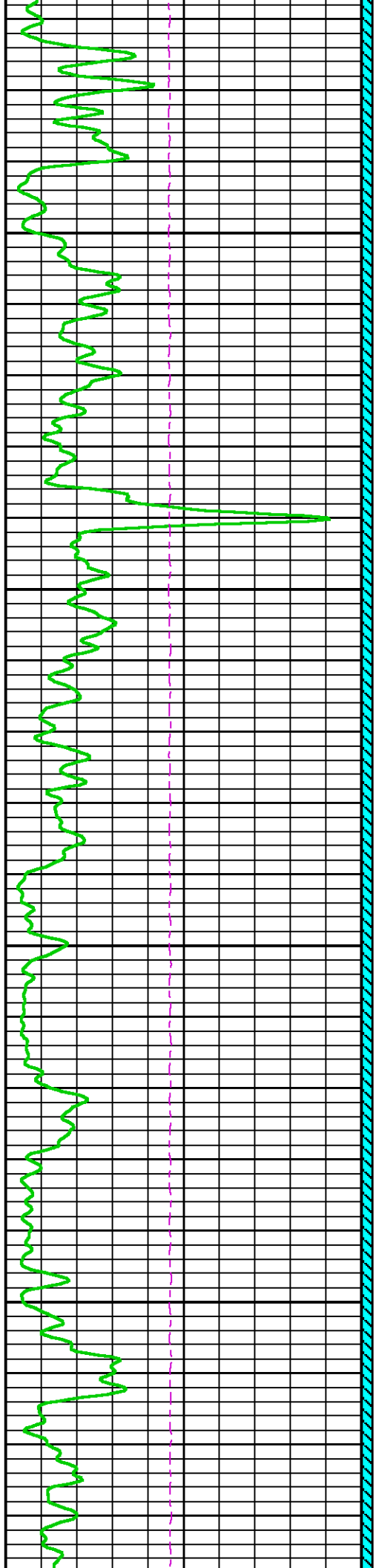










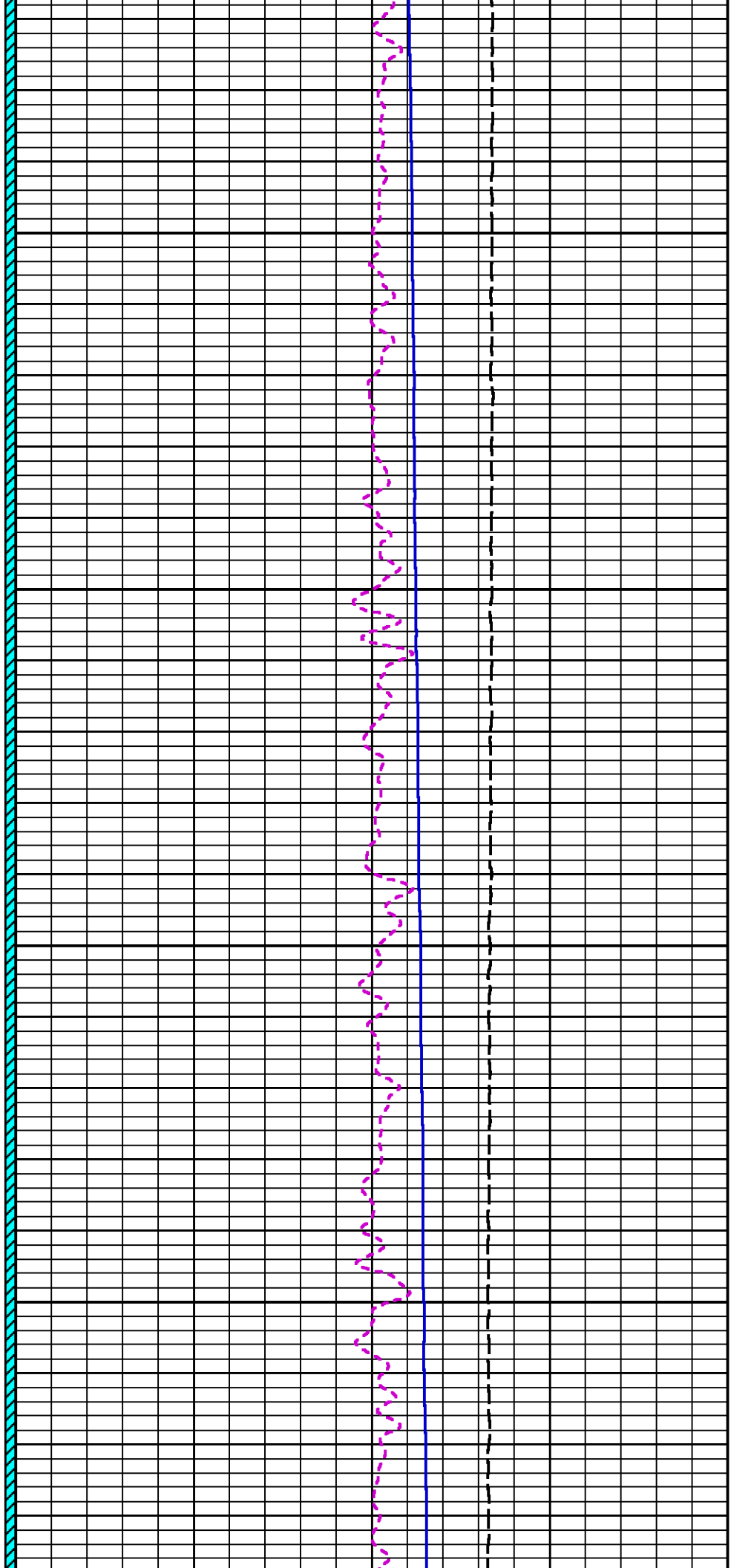


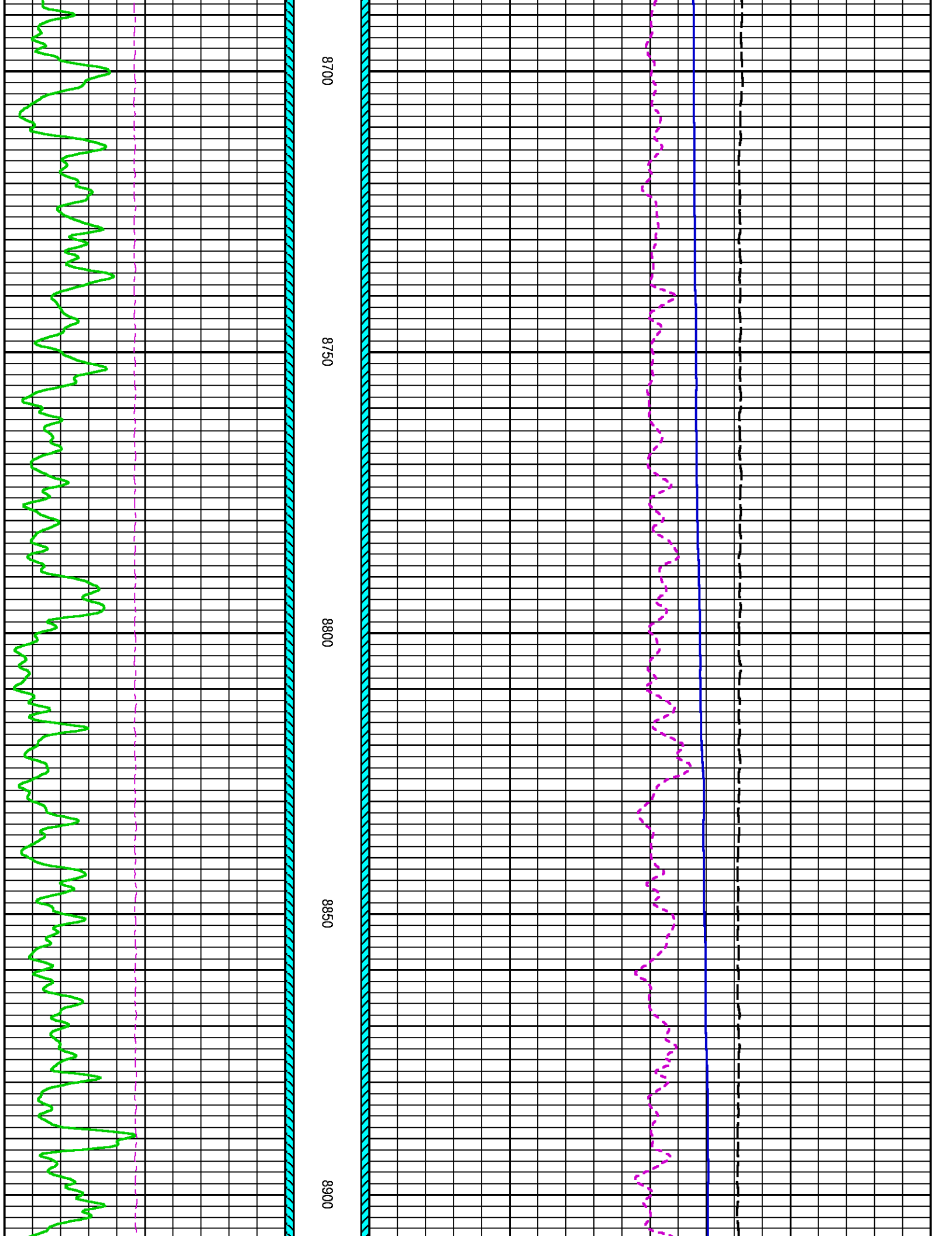
8500 0098

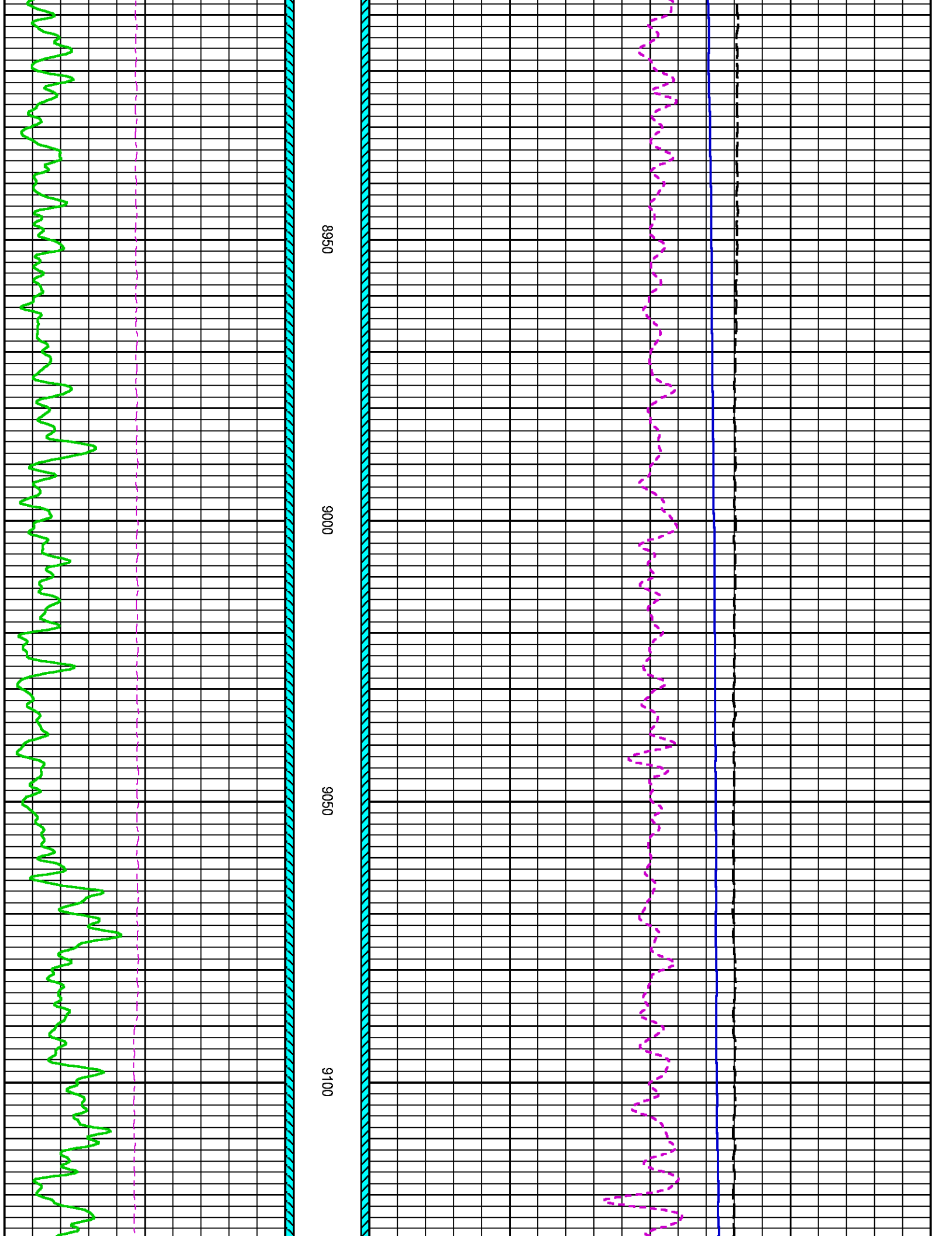
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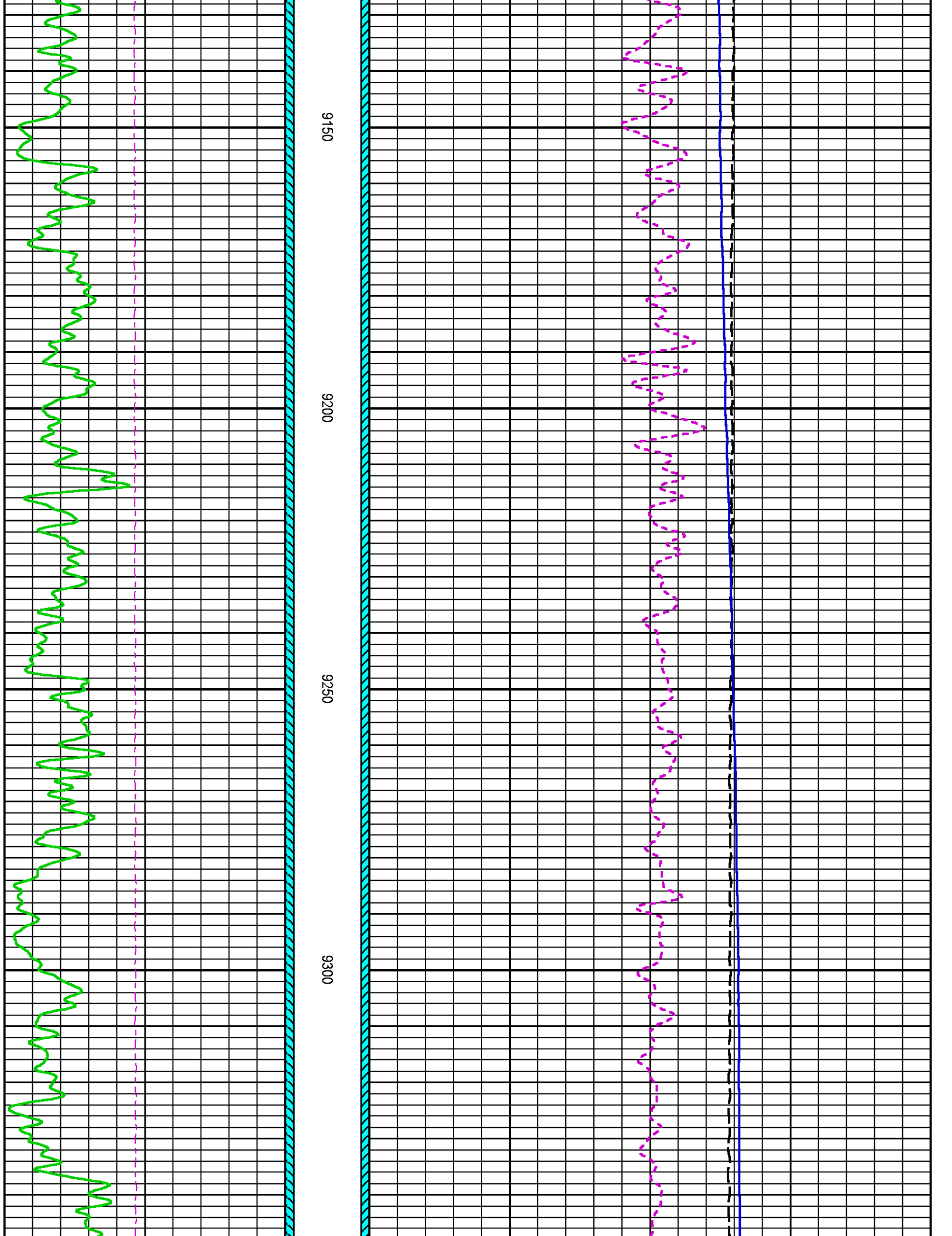
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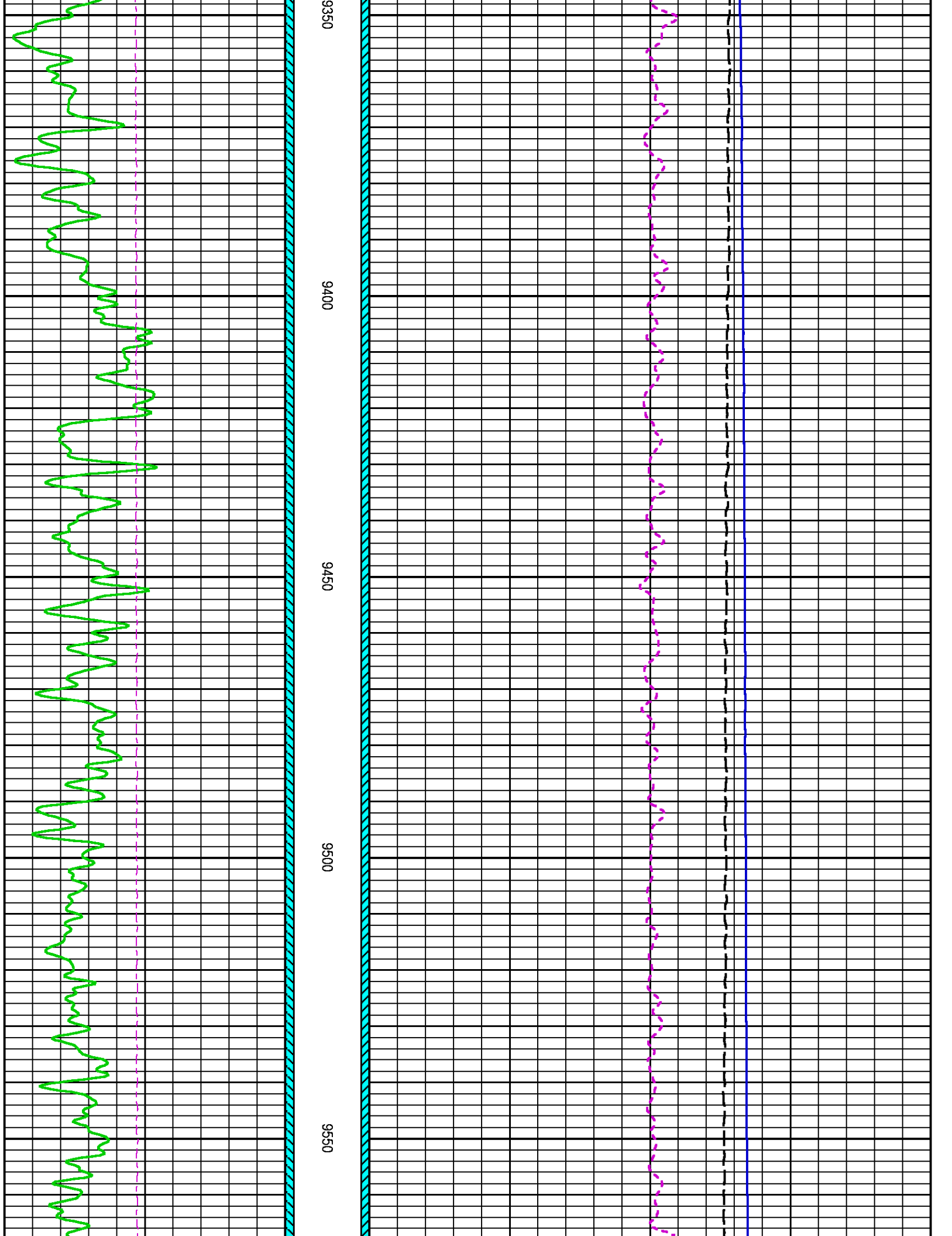
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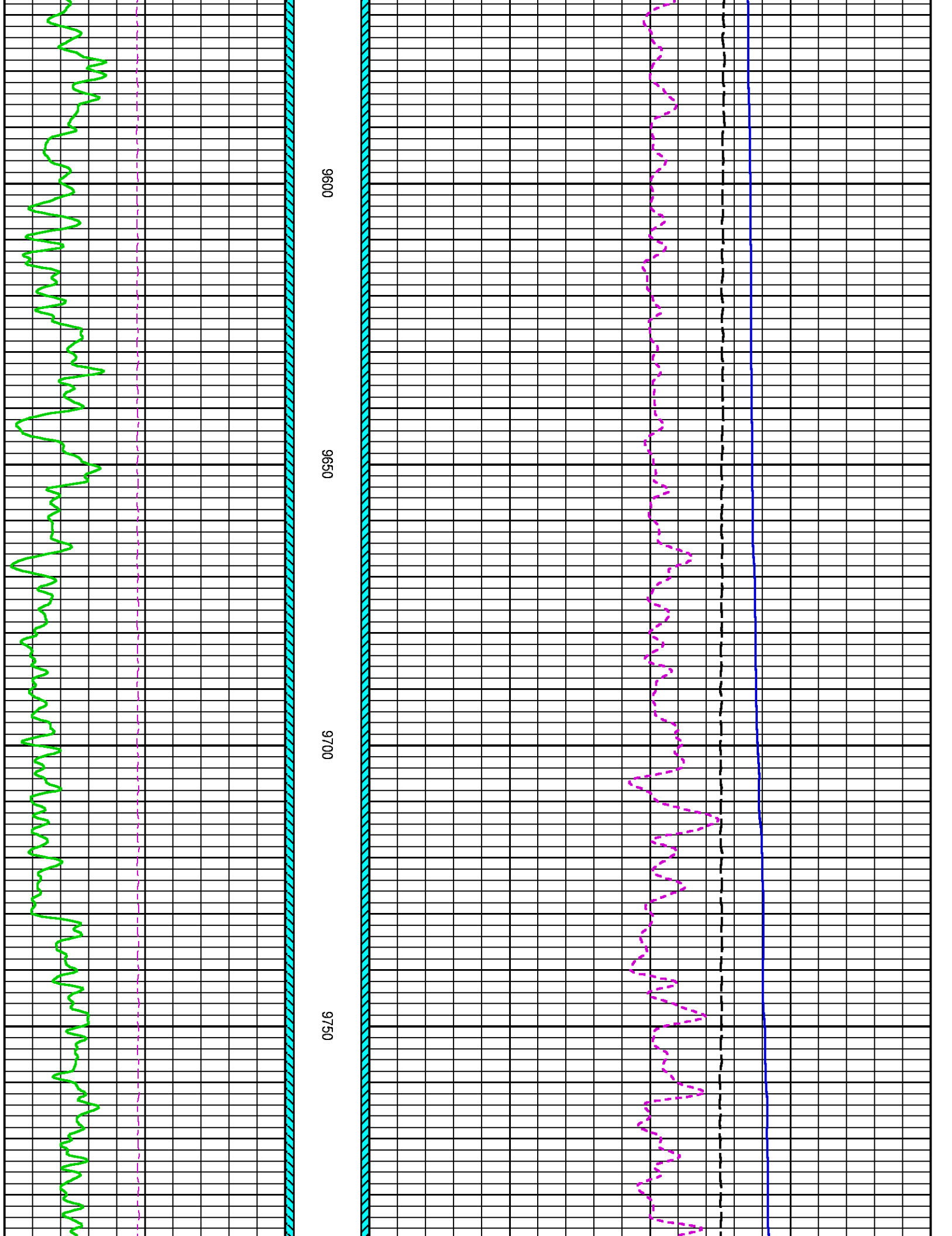


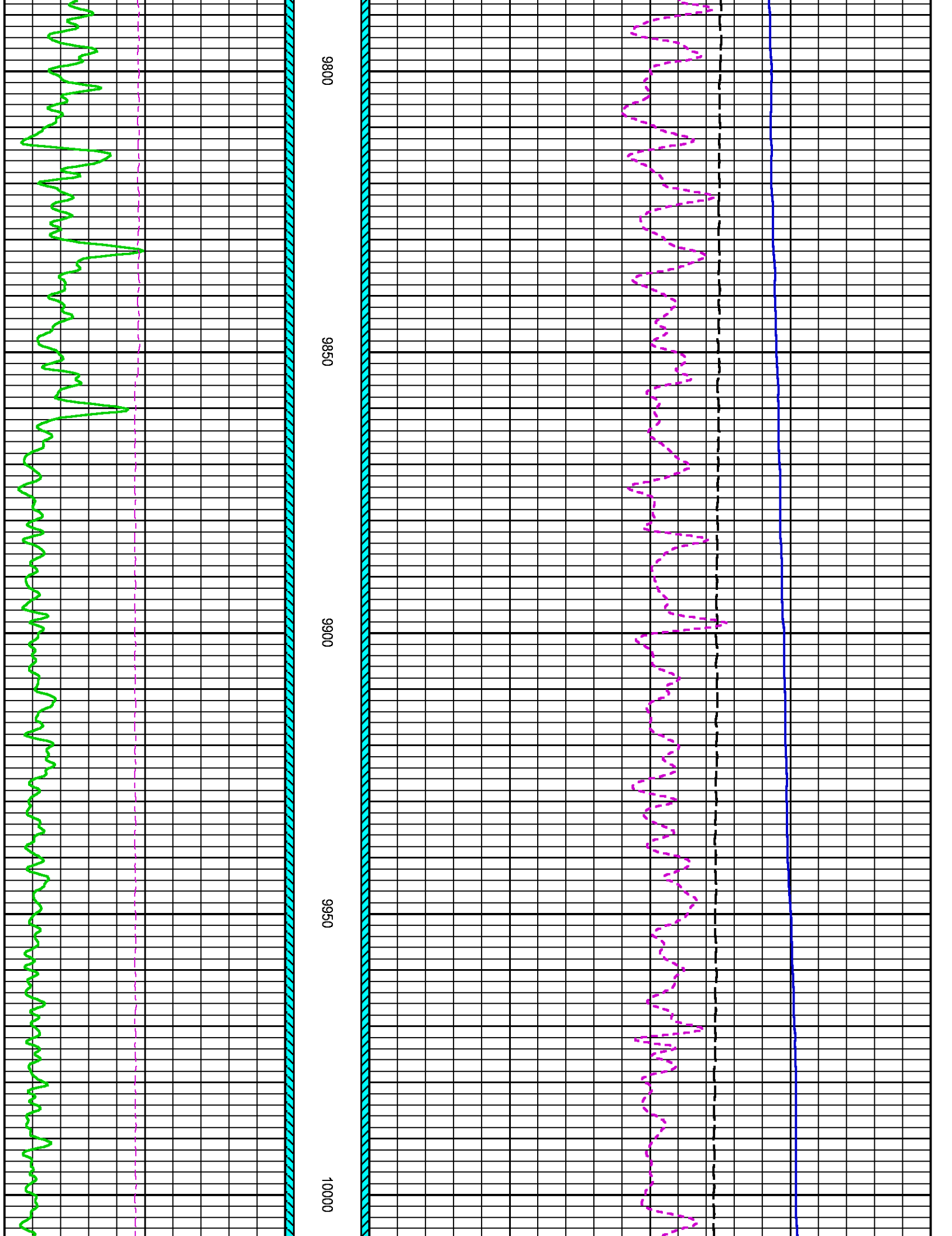


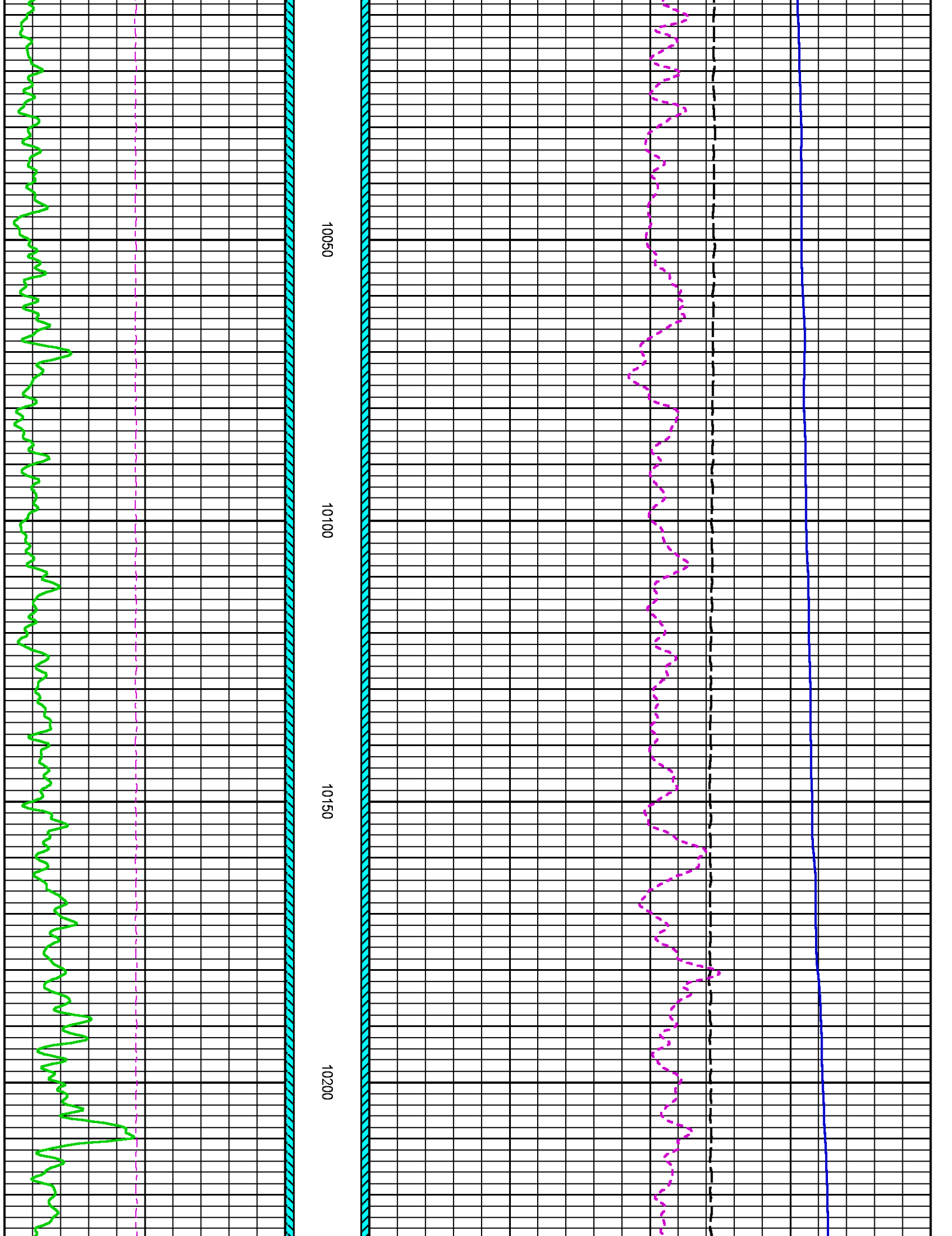


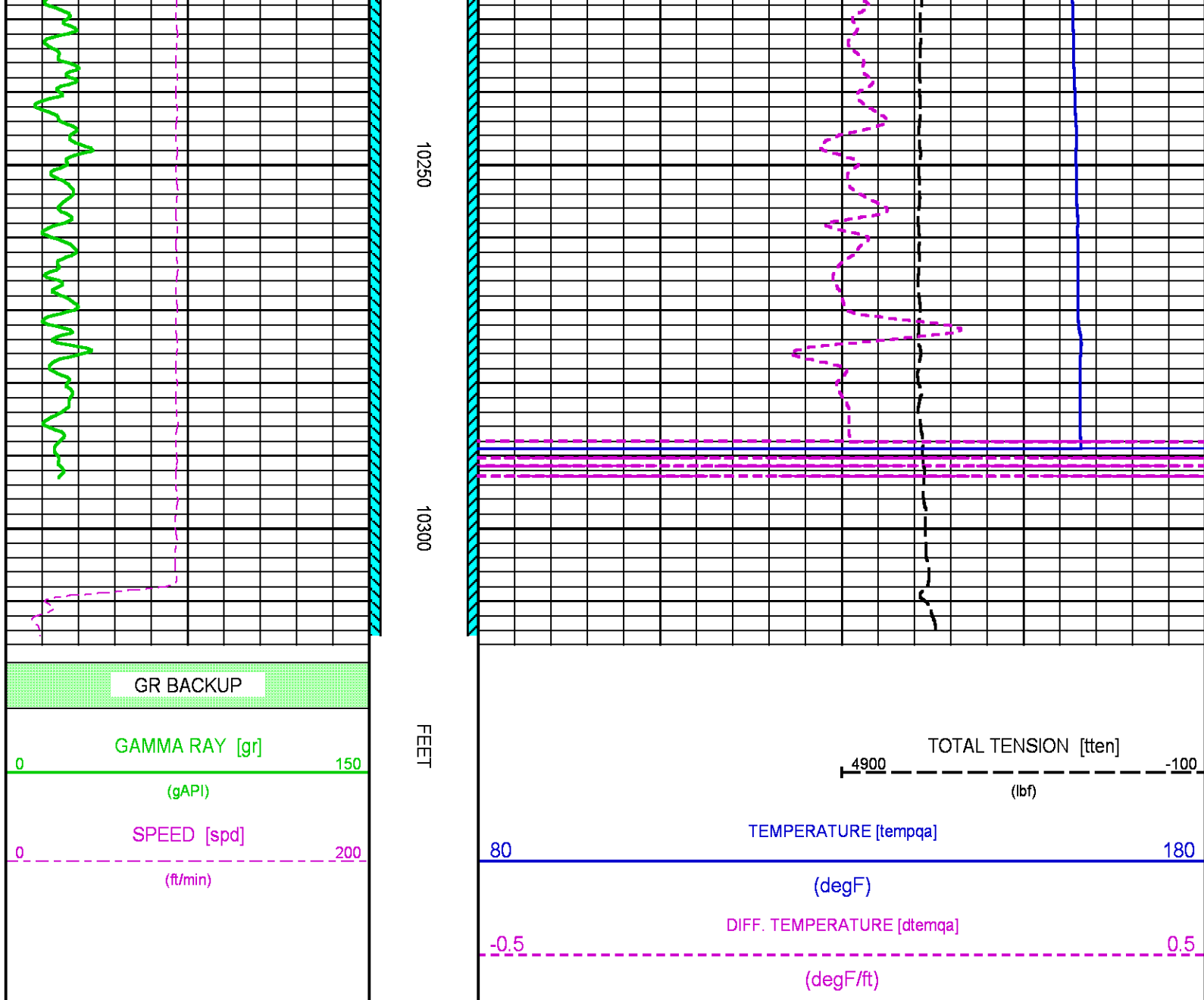












MAIN LOG 1"/100FT SCALE

ECLIPS 7.0i ECLIPS General Release Rel 7.0i Thu Jun 08 20:36:10 CDT 2017
Patches: 3

Plotted: Sat Jul 21 21:26:05 2018

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/md11798R10/p354a01.prm
LOGGING MODE: DEPTH DIRECTION: DOWN
TOP DEPTH: 1625.056 ft BOTTOM DEPTH: 10307.158 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
SPEED	FILTER ()	medium (1)		TOP BOTTOM

TENSION	FILTER ()	medium (1)	"	"
GR	FILTER ()	medium (1)	"	"
TEMP	FILTER ()	medium (1)	"	"

CURVE DESCRIPTION REPORT

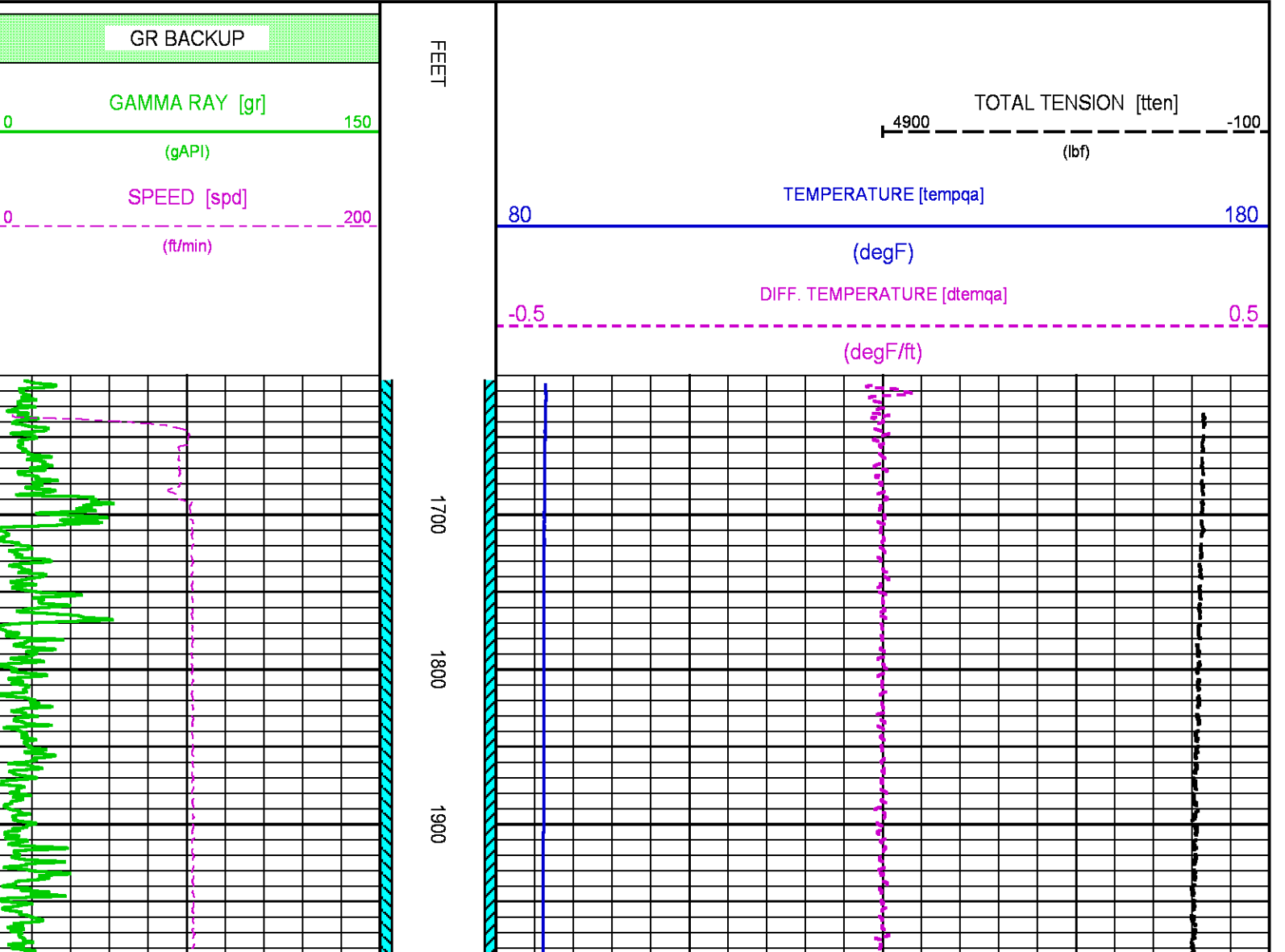
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:DTEMQA	N/A	DIFFERENTIAL TEMPERATURE
F1:GR	N/A	GAMMA RAY
F1:SPD	N/A	SPEED
F1:TEMPQA	N/A	TEMPERATURE
F1:TEN	N/A	TOTAL TENSION

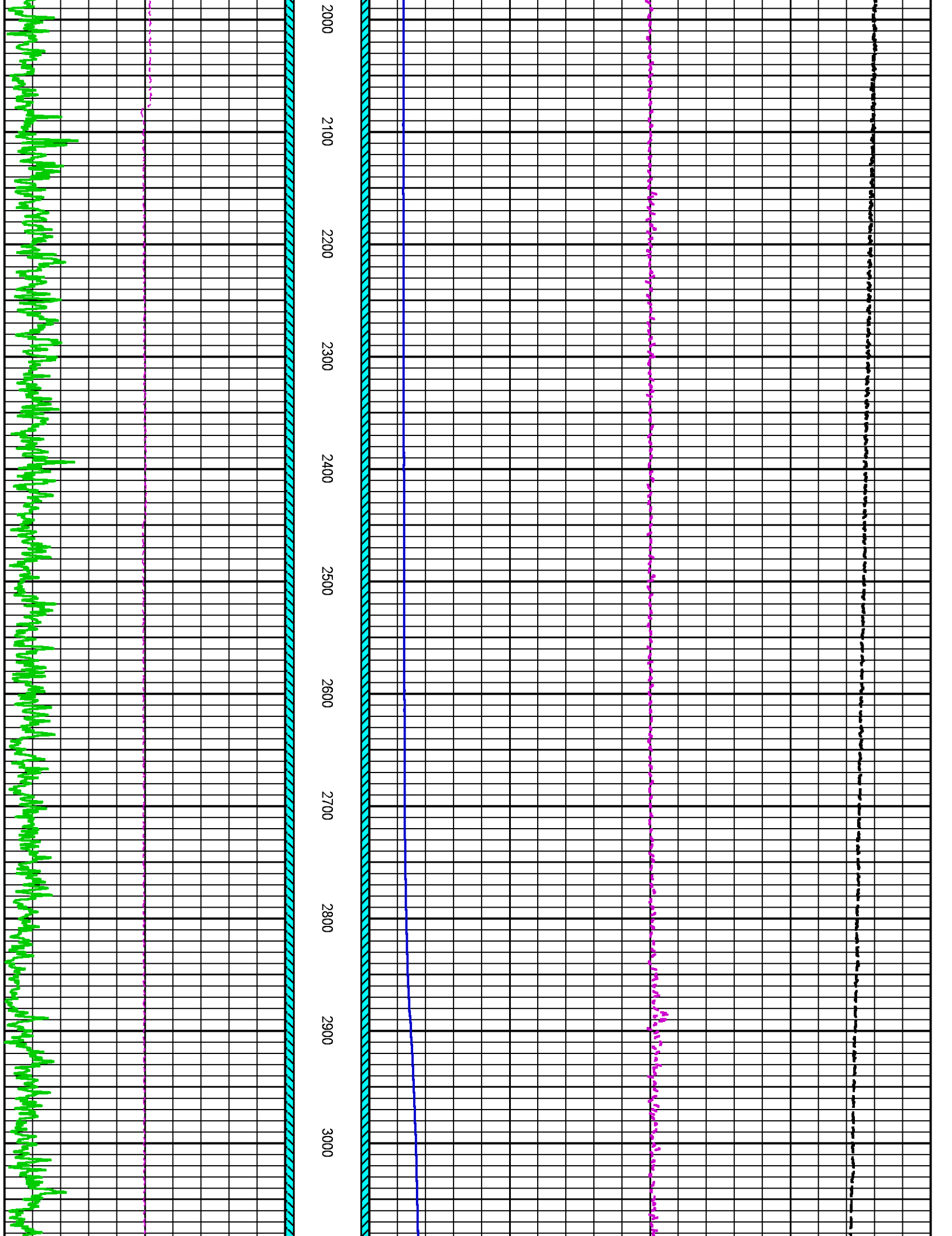
CURVE MEASURE POINT OFFSET

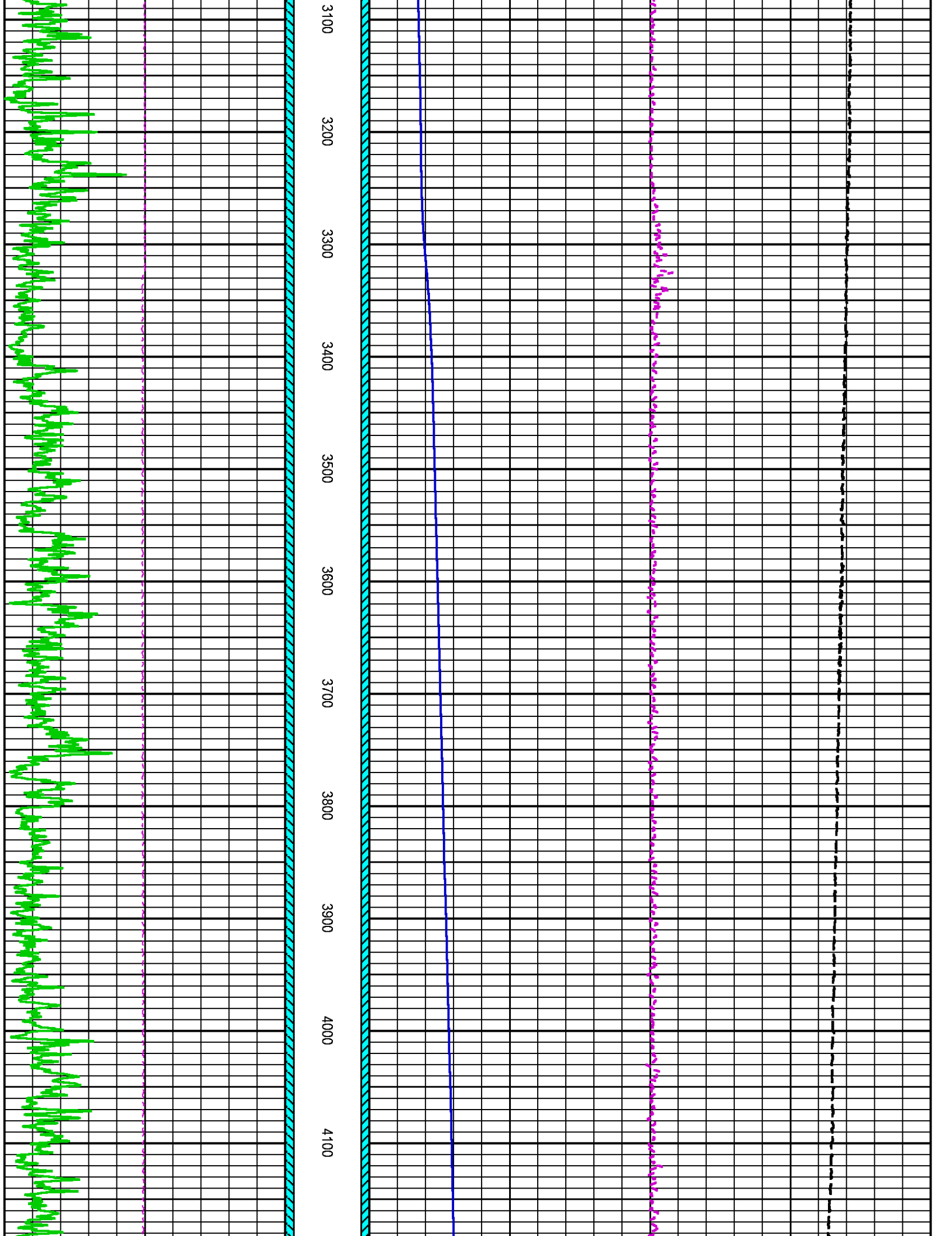
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
DTEMQA	-19.25	SPD	0.00	TEN	0.00		
GR	-21.75	TEMPQA	-19.25				

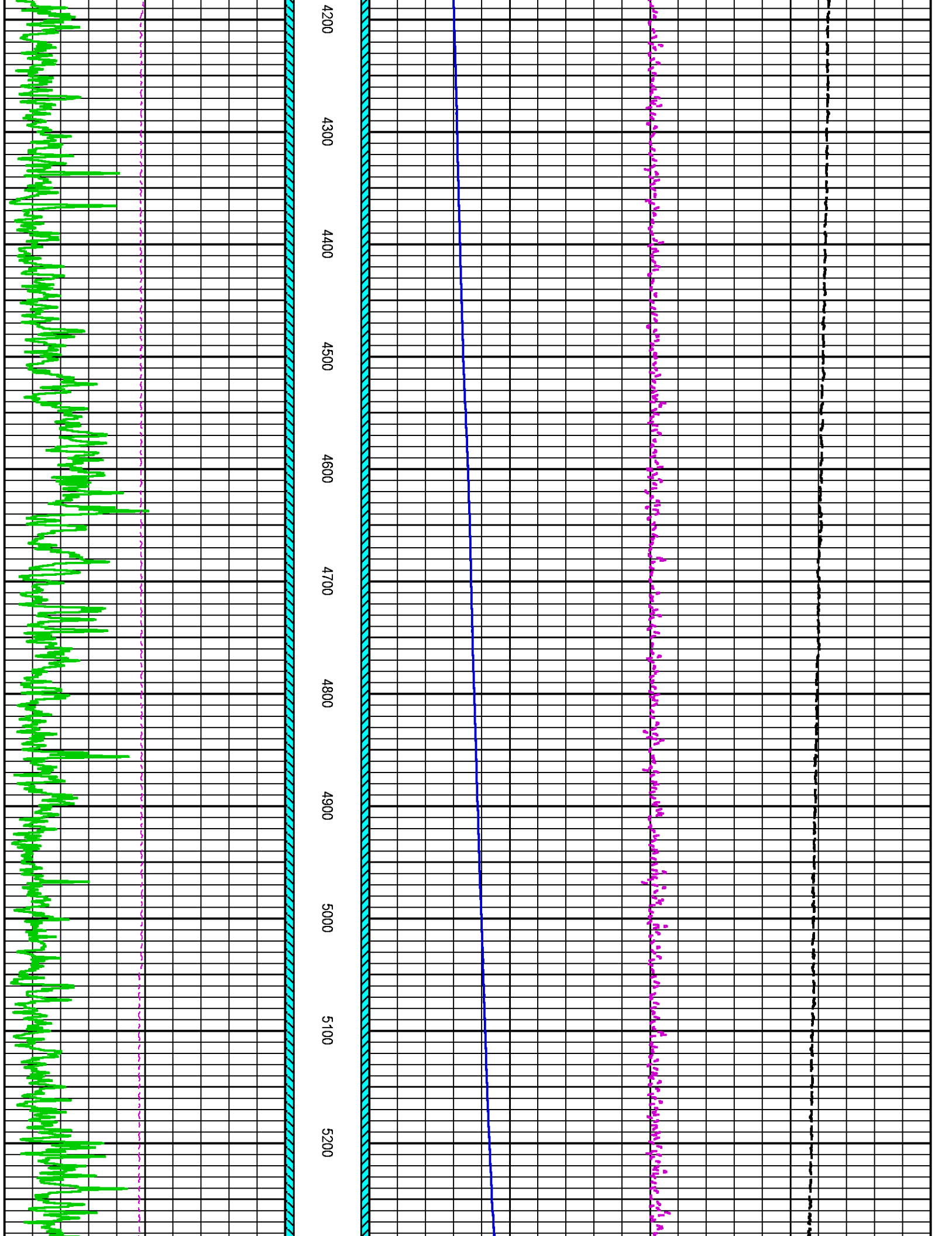
Presentation : SysA:/dat1a/md11798R10/gr-temp1IN.fvpdf [1"/100' Scale]
Plot Interval : 1613.75 - 10314.8 Feet

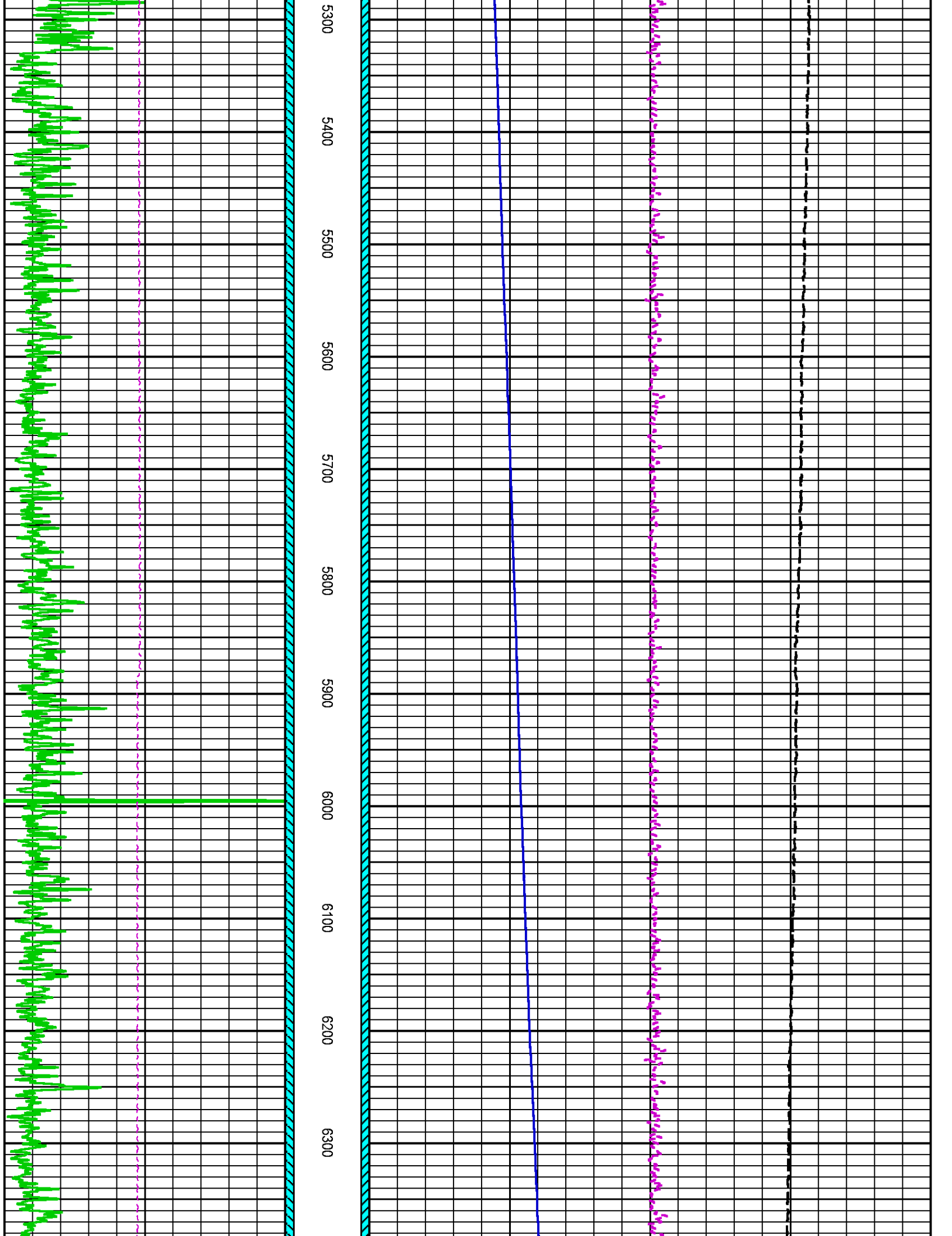
Data File 1 : F1 : SysA:/dat1a/md11798R10/temp.xtf
Created On : N/A
Company : HOLLY FRONTIER - NAVAJO
Well : NAVAJO REFINING WDW #4
Field : ARTESIA
File Interval : 1613.75 - 10316 Feet
OCT : p354a

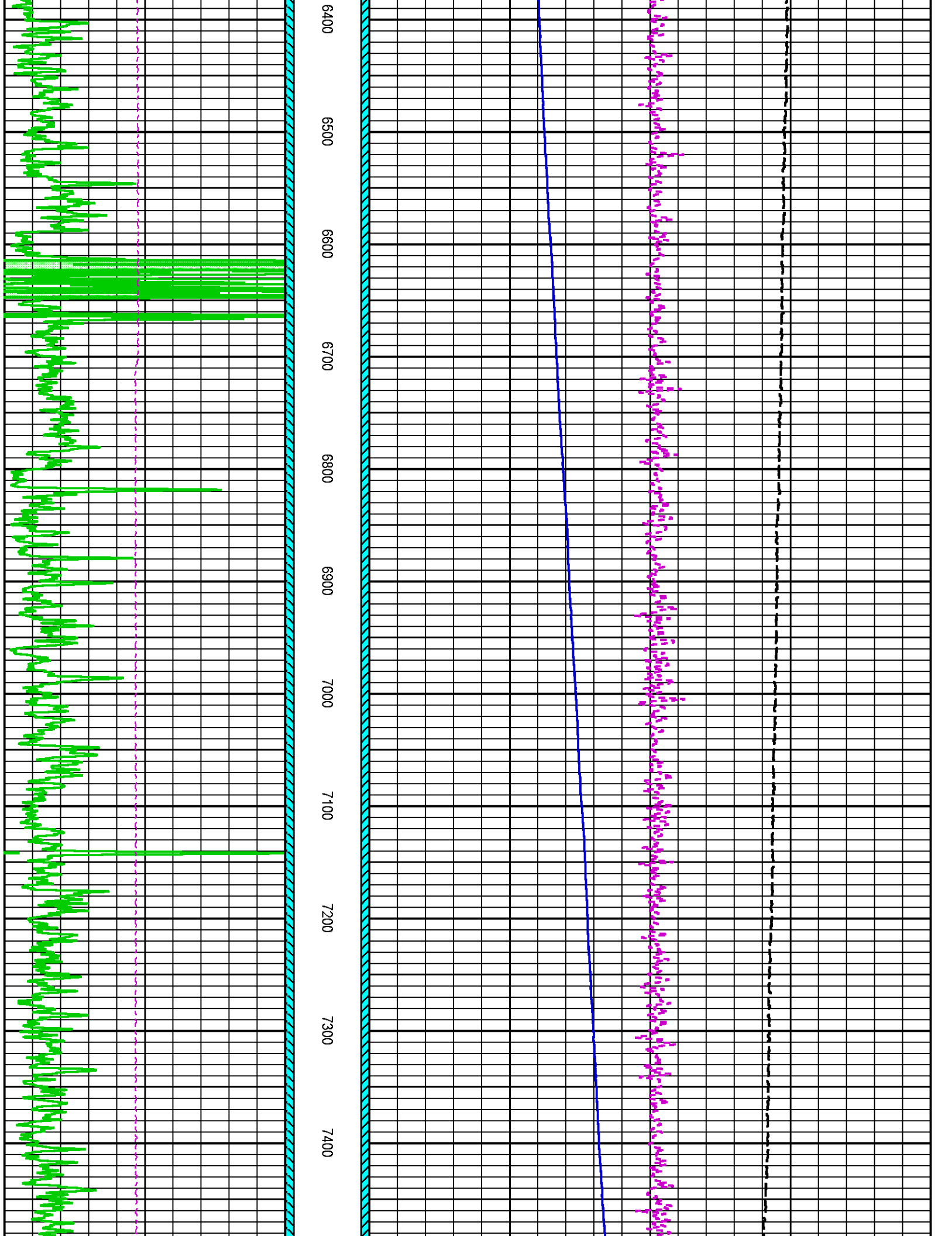




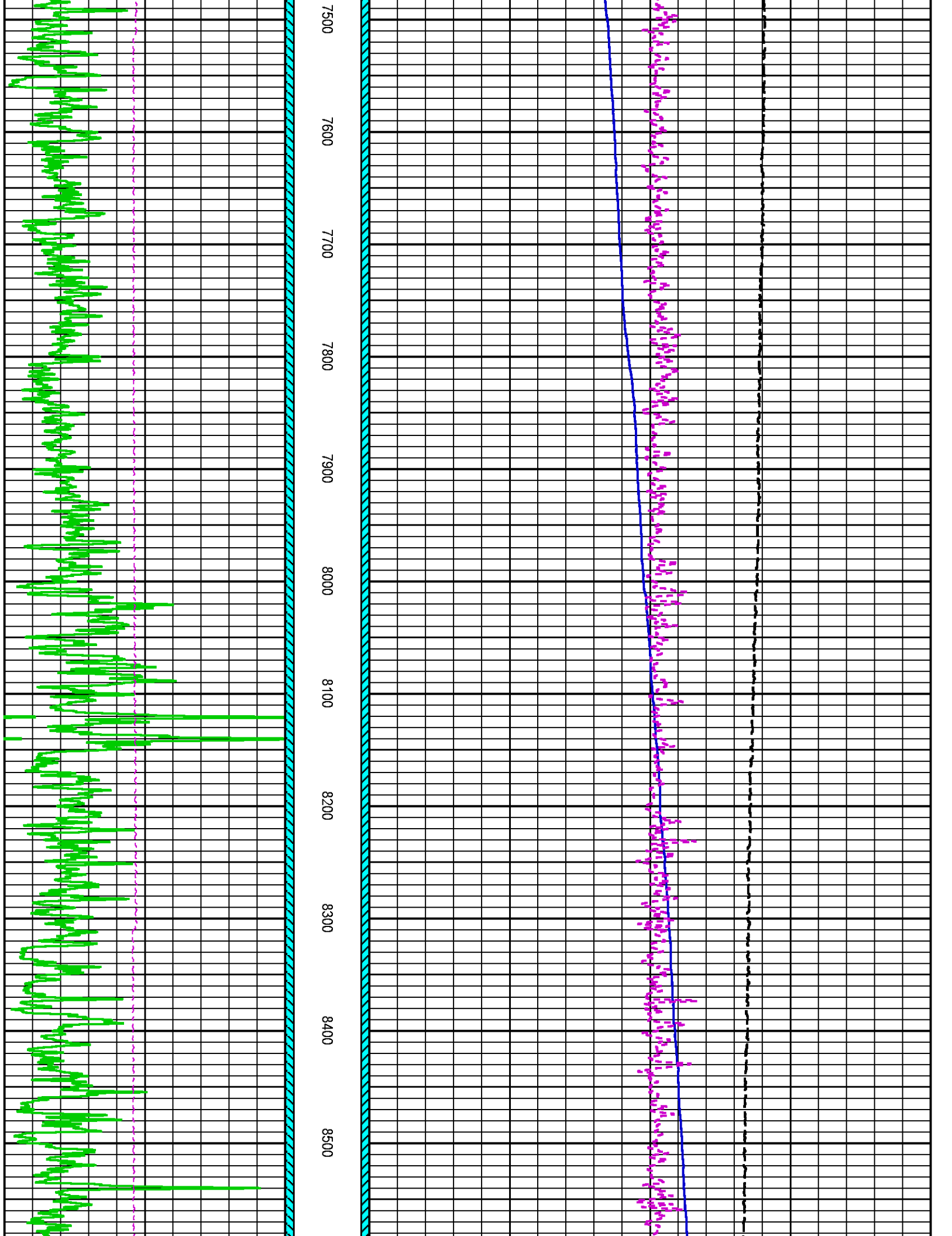


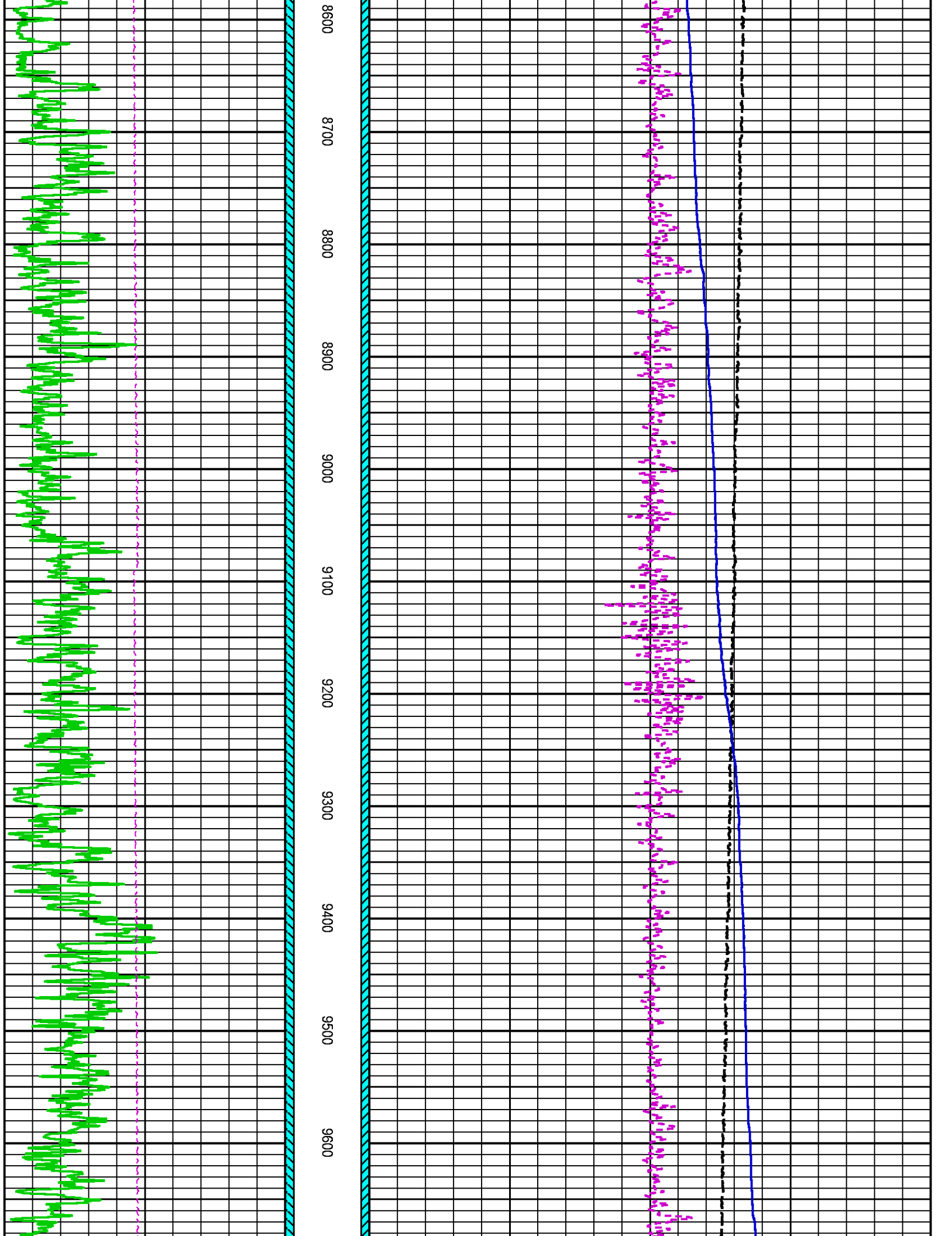


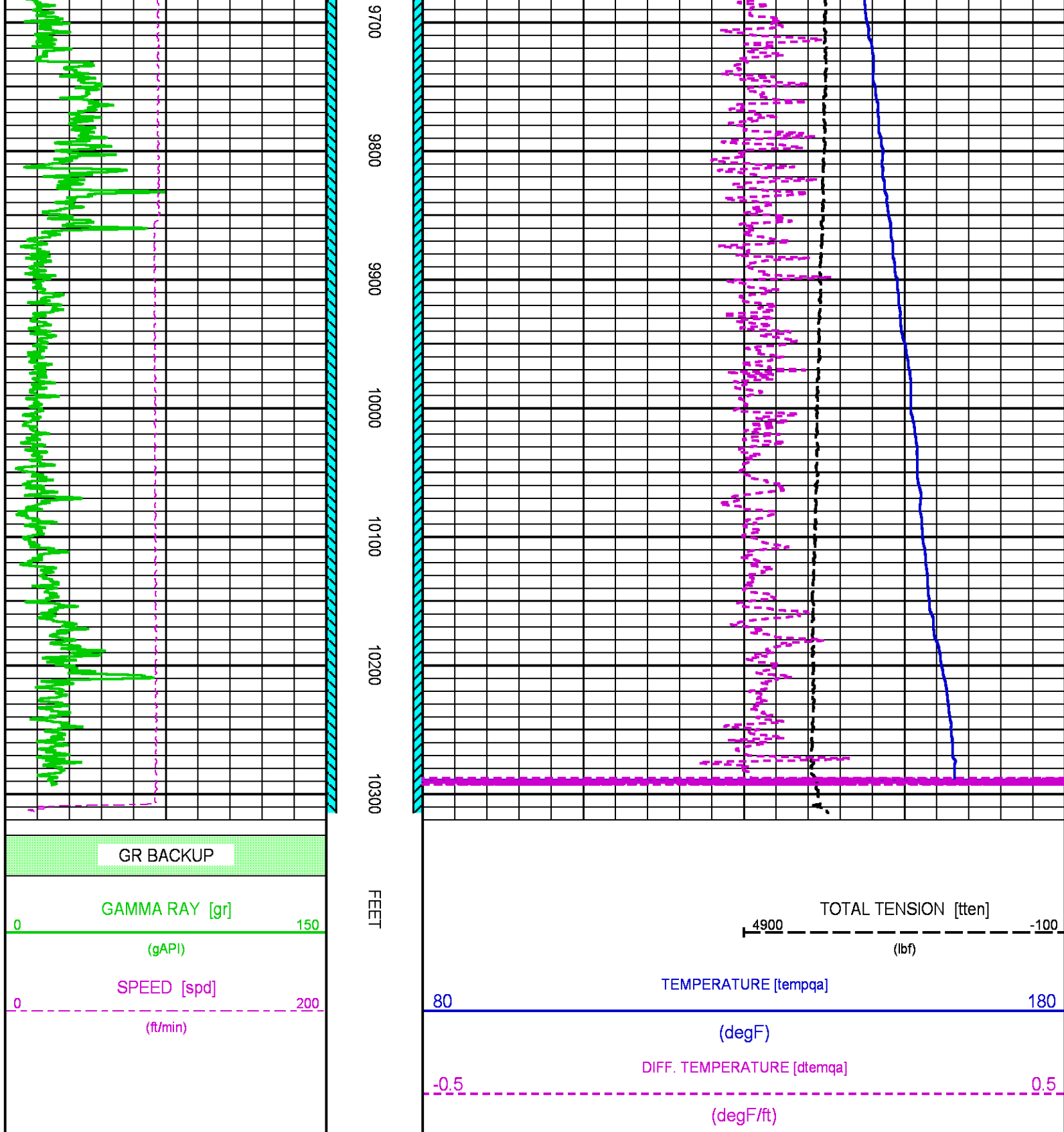




7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500







**BAKER
HUGHES**
a GE company



COMPANY
WELL
FIELD
COUNTY

WSP USA, INC.
NAVAJO REFINING WDW #4
ARTESIA
EDDY **STATE** **NEW MEXICO**

FILE NO:
MD11798
API NO:
30-015-44677

LOCATION:

1217' FSL & 2443' FWL
SECTION 23, T17S, R27E
N.M.P.M. SURVEY

ELEVATIONS:

KB 3585.8 FT
DF 3584.8 FT
GL 3565.8 FT



		DATE	21-JUL-2018
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