



Baker Atlas

FILE NO:

COMPANY

YULCAN MINERALS INC.

API NO:

WELL

HURRICANE NO. 2 (WHIP #1)

Ver. 3.87

FIELD

BAY ST. GEORGE

PROVINCE

NEWFOUNDLAND

LOCATION:

LIC: 03-107

WESTERN NEWFOUNDLAND

ST. GEORGES BAY

LAT 48.267700 N LONG 58.67228 W

OTHER SERVICES

DAL-CR

HOIL-CR

PERMANENT DATUM

LOG MEASURED FROM

DRILL MEAS. FROM

G.L. ELEVATION 135.0 M

K.B. 3.3 M ABOVE P.D.

KELLY BUSHING

ELEVATIONS:

KB 138.3 M

DF

OL 135.0 M

DATE	13-DEC-2005
RUN	1
SERVICE ORDER	204627
DEPTH DRILLER	935.2 M
DEPTH LOGGER	931.9 M
BOTTOM LOGGED INTERVAL	930.0 M
TOP LOGGED INTERVAL	SURFACE
CASING DRILLER	177.8 MM
CASING LOGGER	323.2 M
BT SIZE	189.0 MM
TYPE OF FLUID IN HOLE	FRESH WATER
DENSITY	N/A
PH	N/A
SOURCE OF SAMPLE	FLUORINE
RM AT MEAS. TEMP.	5.656 CHMM
RM AT MEAS. TEMP.	18.8 DEGC
RM AT MEAS. TEMP.	N/A
RM AT MEAS. TEMP.	N/A
SOURCE OF RMF	MEASURED
RM AT BHT	7.31 CHMM
TIME SINCE CIRCULATION	10.5 HOURS
MAX. RECORDED TEMP.	9.67 DEGC
EQUIP. NO.	HSL 8616
RECORDED BY	Y. OBIRI
WITNESSED BY	K. SMITH

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE 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.

BOREHOLE RECORD

BIT SIZE	FROM	TO
158.0 MM	323.2 M	935.2 M

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
244.5 MM	35.6 KG/M	K-55	0 M	19.36 M
177.8 MM	28.8 KG/M	H-40	29.01 M	323.2 M

REMARKS

RUN 1 TRIP 1: DRILLING COMPLETED: 15:30 HRS. 11-DEC-05
WELL WAS AIR DRILLED AND FILLED WITH FRESH WATER PRIOR TO LOGGING.

LAST CIRCULATION ON BOTTOM: 00:00 HRS. 13-DEC-05

TIME ENTERING HOLE: 09:30 HRS. 13-DEC-05

TIME AT BOTTOM: 10:15 HRS. 13-DEC-05

TIME LAST ON BOTTOM: 10:30 HRS. 13-DEC-05

TIME EXITING HOLE: 12:15 HRS. 13-DEC-05

CNC/GR RECORDED TO SURFACE.

PORZ, CNC PRESENTED IN LIMESTONE MATRIX.
 PORZSS, CNCSS ALSO PRESENTED IN SANDSTONE MATRIX.
 CNC IS CALIPER CORRECTED FOR BOREHOLE SIZE. NO SALINITY CORRECTIONS APPLIED.
 CNC IS CASING CORRECTED IN CASED HOLE INTERVAL.

DATE INDICATED ON BEFORE/AFTER VERIFICATIONS AND FILE HEADERS IS INCORRECT DUE
 TO MISSING SOFTWARE UPDATE.

CREW : D.KIRMAN

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM	3881XA	178328	FREE
1	1	COM REM	3514XA	153384	FREE
1	1	DGR	1328XA	153172	FREE
1	1	KALIT	3823XA	186278	KNUCKLE JOINT
1	1	CN	2446XA	173080	DECENTRALIZED
1	1	ZDL-E	2228EA	155337	ELECTRONICS
1	1	ZDL-M	2228MA	153038	PAD DEVICE

INSTRUMENT CONFIGURATION

Source File: /dall/a/paw/rv/Lbro2/zdl-hdg

CABLEHEAD

Series : CABLE338
 Mnemonic : CBLH
 Diameter : 8.6 cm
 Weight : 10.8 kg
 Length : 167.8 cm
 Measure Point: 63.8 cm: CABLEHEAD TOP

15.84 m
 CABLEHEAD TOP 14.83 m

TTRM SUB

Series : 3881XA
 Mnemonic : TTRM
 Diameter : 8.2 cm
 Weight : 38.4 kg
 Length : 116.8 cm
 Measure Point: 42.2 cm: TEMP MP
 Measure Point: 34.5 cm: RM MP

TEMP MP 13.21 m
 RM MP 13.14 m

MTS COMMON REMOTE

Series : 3514XA
 Mnemonic : MTS
 Diameter : 8.2 cm
 Weight : 65.5 kg
 Length : 189.5 cm

DIGITAL SPECTROLOG

Series : 13200A
Mnemonic : DSL
Diameter : 9.2 cm
Weight : 84.8 kg
Length : 222.8 cm
Measure Points: 48.8 cm: GR MP

GR MP — 8.16 m

KNUCKLE JOINT

Series : 30200A
Mnemonic : KJUT
Diameter : 8.8 cm
Weight : 21.8 kg
Length : 70.9 cm

COMPENSATED NEUTRON

Series : 24400A
Mnemonic : CN
Diameter : 8.2 cm
Weight : 68.2 kg
Length : 231.4 cm
Source Type : AM24-1BE
Strength : 18 curies
Measure Point: 60.3 cm: LSN MP
Measure Point: 68.2 cm: SSN MP

LSN MP — 8.45 m

SSN MP — 8.33 m

Z-DESI LOG
 Series : 22280A
 Mnemonic : ZDL
 Diameter : 12.4 cm
 Weight : 213.8 kg
 Length : 584.8 cm
 Source Type : GS137
 Strength : 2.0 curies
 Measure Point: 107.7 cm: 990 MP
 Measure Point: 97.3 cm: CAL / ZSPEC MP



SSD MP 1.08 m
 CAL / ZSPEC MP 0.87 m

BULL PLUG 3 1/8

0.00 m

TOTAL LENGTH: 15.71 m
 TOTAL WEIGHT: 401.8 kg
 MAX DIAMETER: 12.4 cm

MAIN LOG - UPPER PRESENTATION

ECLIPS 5.01 Dec 17, 2003
 Updates: 1,2,3,32

Perpht /main/59

Cplot 7.09
 Pdf_Cpp /main/16

Tue Nov 22 12:47:57 2005
 Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pasa/vul_hrc2/1777hd06.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 318.518 m BOTTOM DEPTH: 931.774 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
------------------	-----------	-------	-------	--------------	--

ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON	TOP	BOTTOM
	PE CHISM ()	OFF	"	"
ZDL	ZDL TRACKING	ON	"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pass/vul_hrc2/1777.hrd7.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 12.421 m BOTTOM DEPTH: 330.937 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASINO - BOREHOLE & CEMENT VOLUME	CASINO O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
ZDL	ZDL TRACKING	ON		"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 22 11:45:37 2005	BIT SIZE
F1:BYOL	BYOL	Nov 22 11:45:37 2005	BOREHOLE VOLUME
F1:CALX	CALX	Nov 22 10:34:23 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CYOL	CYOL	Nov 22 11:45:37 2005	CEMENT VOLUME
F1:GR	GR	Nov 22 11:45:37 2005	GAMMA RAY
F1:MMRK	MMRK	Nov 22 11:45:37 2005	MINUTE MARK
F1:PE	PE	Nov 22 10:34:23 2005	PHOTO ELECTRIC CROSS-SECTION
F1:TEN	TEN	Nov 22 11:45:37 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Nov 22 10:34:23 2005	DENSITY CORRECTION
F1:ZDEN	ZDEN	Nov 22 10:34:23 2005	FORMATION BULK DENSITY

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	GR	9.14	TEN	0.00	ZDEN	0.99
CALX	0.99	PE	0.99	ZCOR	0.99		

Presentation : opul:/data/pass/vul_hrc2/zdl_upper.pdf [1:800 Scale]
 Plot Interval : -0.4572 - 334 Meters

Data File 1 : F1 : opul:/data/pass/vul_hrc2/1777.hrc.xdf
 Created On : Nov 22 10:34:23 2005
 Company : VULCAN MINERALS INC.
 Well : HURRICANE #2
 Field : HURRICANE
 File Interval : -0.4572 - 331.774 Meters
 Out : 1777.kx

GR BACKUP

TOOL STICKING

METERS

XCAL < BIT

GAMMA RAY [gr]

0 150

(gAPI)

Caliper X [calx]

125 375

(mm)

BIT SIZE

125 375

(mm)

DIFF. TENSION [tn]

1900 -100

(kgf)

MINUTE MARK

1

BVOL

0.1

1

10

Cement

0.1

1

10

0

50

1

BULK DENSITY [zden]

2000

3000

(kg/m³)

P.E. [pe]

0

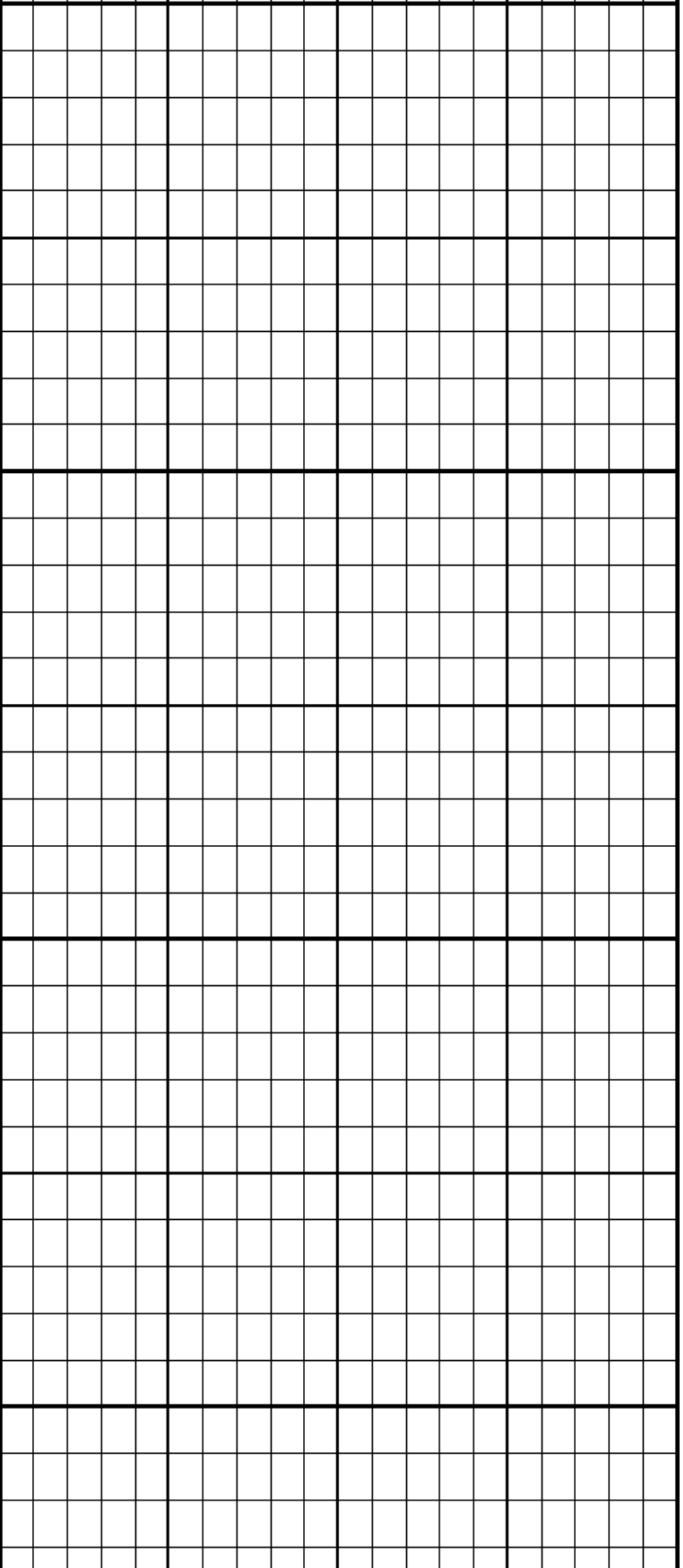
10 450

(b/e)

Z-CORR [zcor]

-50

(kg/m³)

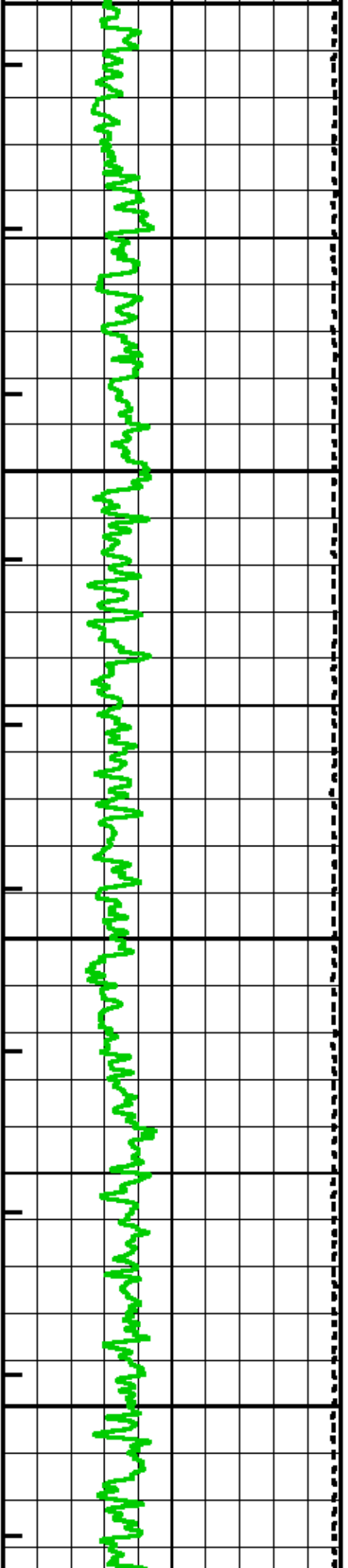


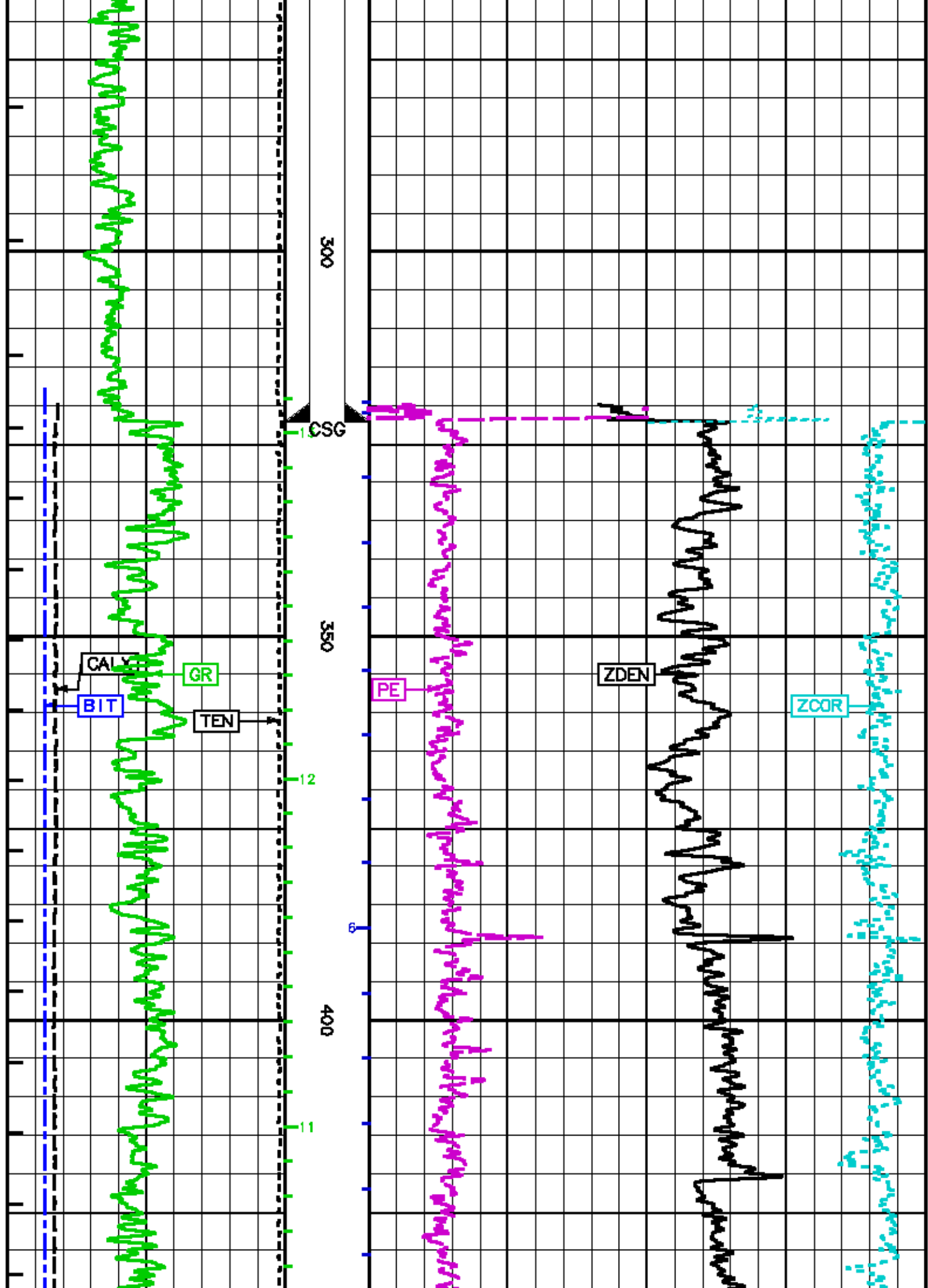
00

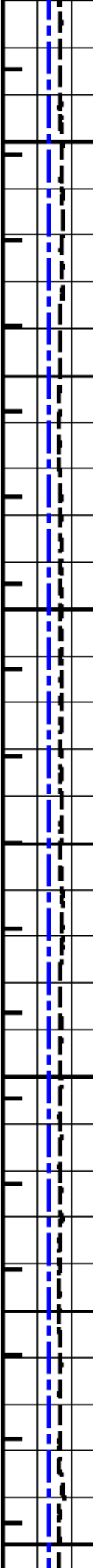
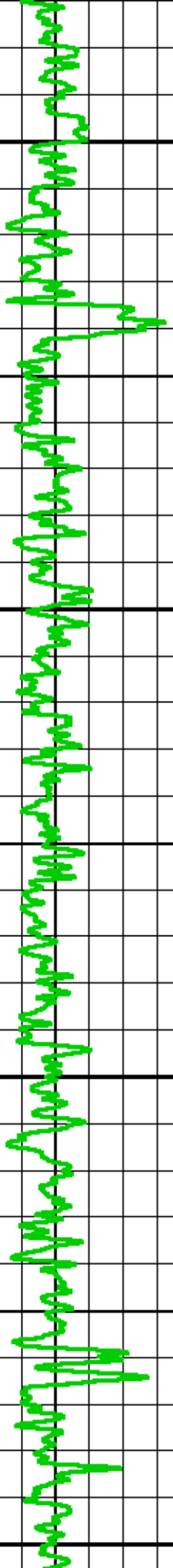
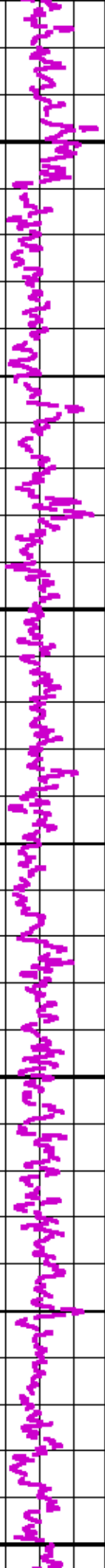
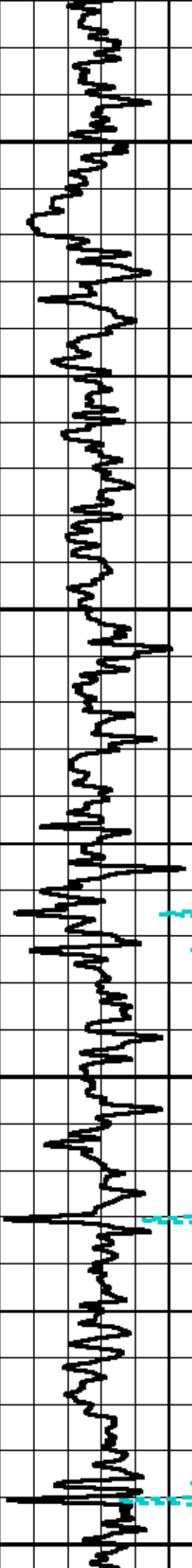
150

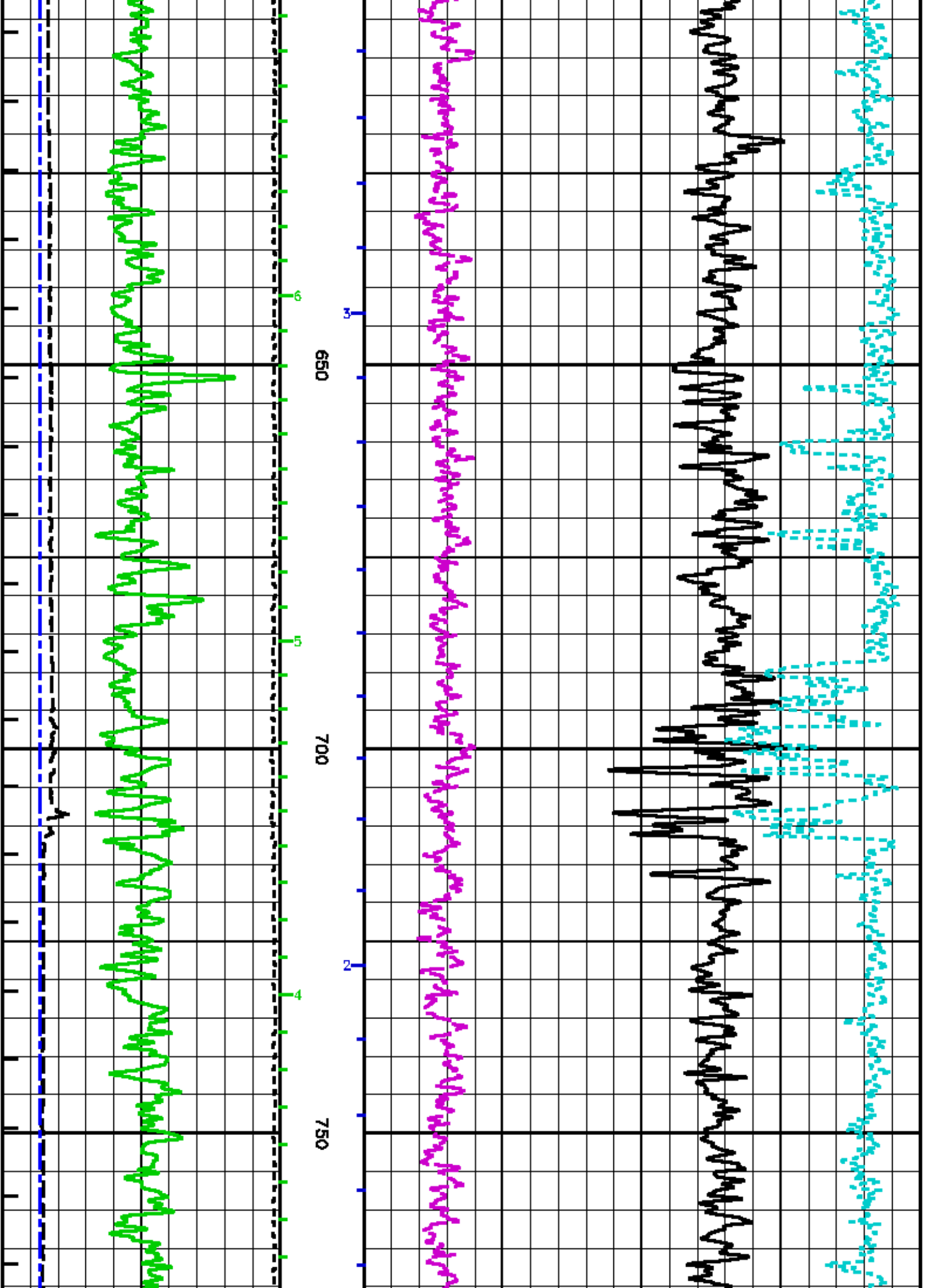
200

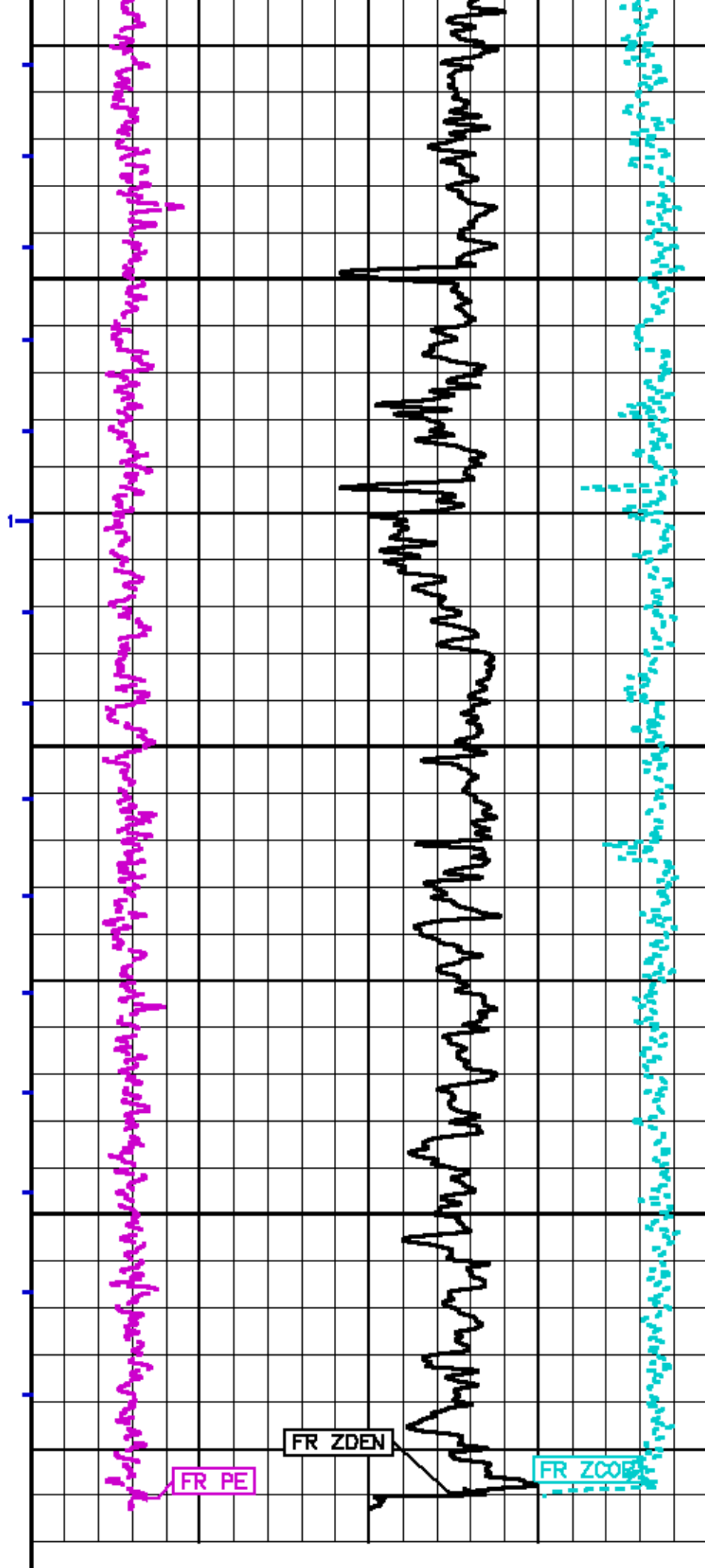
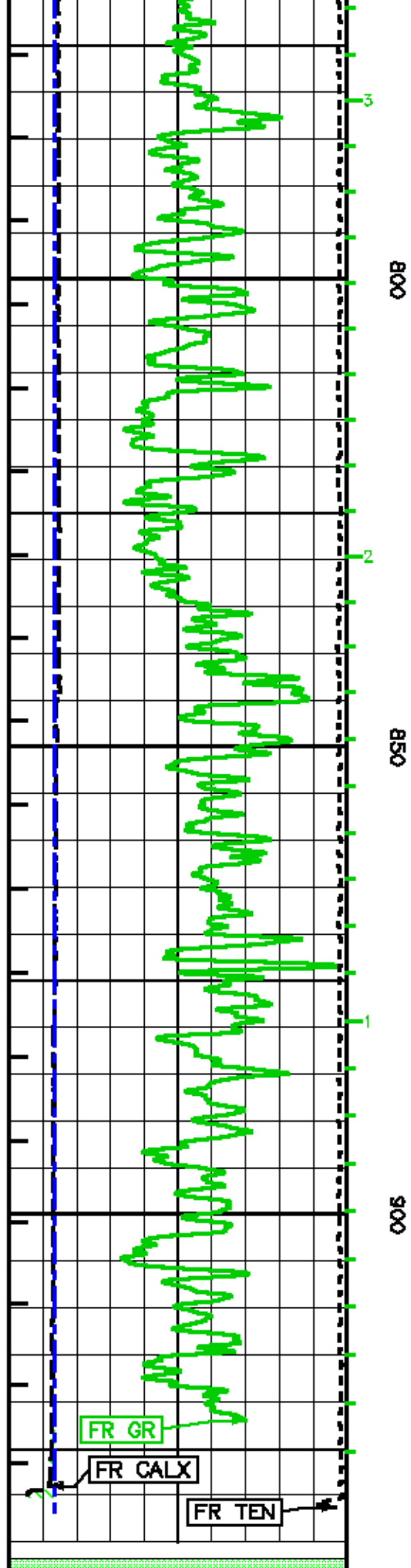
250

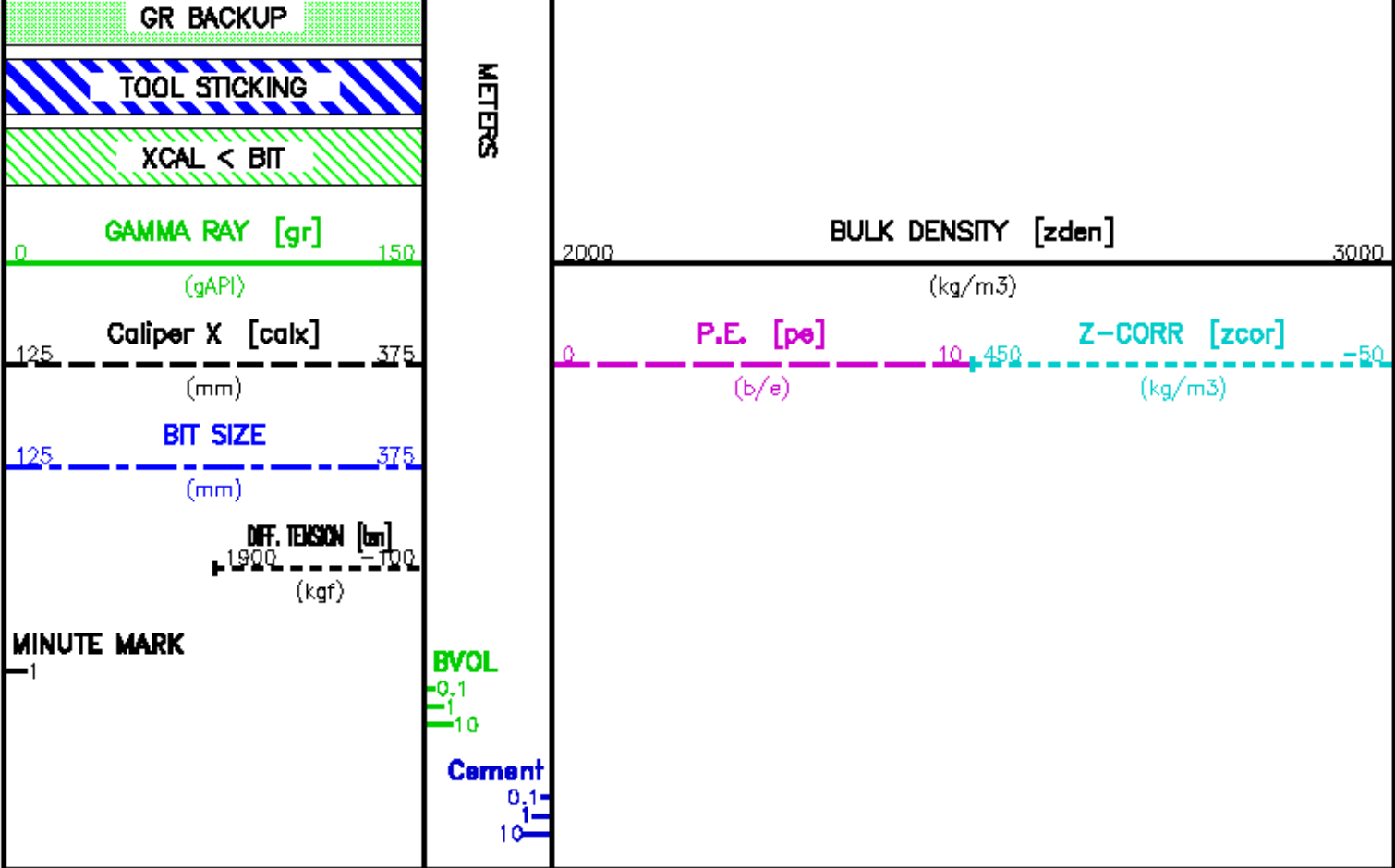












MAIN LOG - LIMESTONE MATRIX

ECLIPS 5.01 Dec 17, 2003 Cplot 7.09 Tue Nov 22 12:59:11 2005
Updates: 1,2,3,32 Perplot /main/59 Pdf_Cpp /main/16 Flowview 4.67

PARAMETER AND FILTER SUMMARY REPORT					
FILE: /dot1a/pasa/vul_hro2/1777Jo06.prm					
LOGGING MODE: DEPTH DIRECTION: UP					
TOP DEPTH: 518.516 m BOTTOM DEPTH: 931.774 m					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"
BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASINO - BOREHOLE & CEMENT VOLUME	CASINO O.D.	114.300	■	TOP	BOTTOM
	CASINO THICKNESS	8.600	■	"	"
BIT SIZE	BIT SIZE	158.000	■	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (onbh*)	USE CALIPER		TOP	931.184
		USE FIXED SIZE		931.184	BOTTOM

BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	166.000	mm	TOP	BOTTOM
CN PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	222.000	mm	"	"
ZDL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (line)	2.710	g/cm3	"	"
ZDL	ZDL TRACKING	ON		"	"

PARAMETER AND FILTER SUMMARY REPORT					
FILE: /data/pasa/vul_hrc2/1777-hc07.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 12.421 m BOTTOM DEPTH: 330.937 m					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"
BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
	CASING THICKNESS	6.800	mm	"	"
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE FIXED SIZE		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	166.000	mm	"	"
CN PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	ON		"	"
	BIT SIZE BEHIND CSNG	222.000	mm	"	"
ZDL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (line)	2.710	g/cm3	"	"
ZDL	ZDL TRACKING	ON		"	"

CURVE DESCRIPTION REPORT			
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 22 11:45:37 2005	BIT SIZE
F1:BVOL	BVOL	Nov 22 11:45:37 2005	BOREHOLE VOLUME
F1:CALX	CALX	Nov 22 10:34:23 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CNCLS	CNCLS	Nov 22 11:45:37 2005	BH SIZE CORR. LIMESTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Nov 22 11:45:37 2005	CEMENT VOLUME
F1:GR	GR	Nov 22 11:45:37 2005	GAMMA RAY
F1:MMRK	MMRK	Nov 22 11:45:37 2005	MINUTE MARK
F1:PE	PE	Nov 22 10:34:23 2005	PHOTO-ELECTRIC CROSS-SECTION

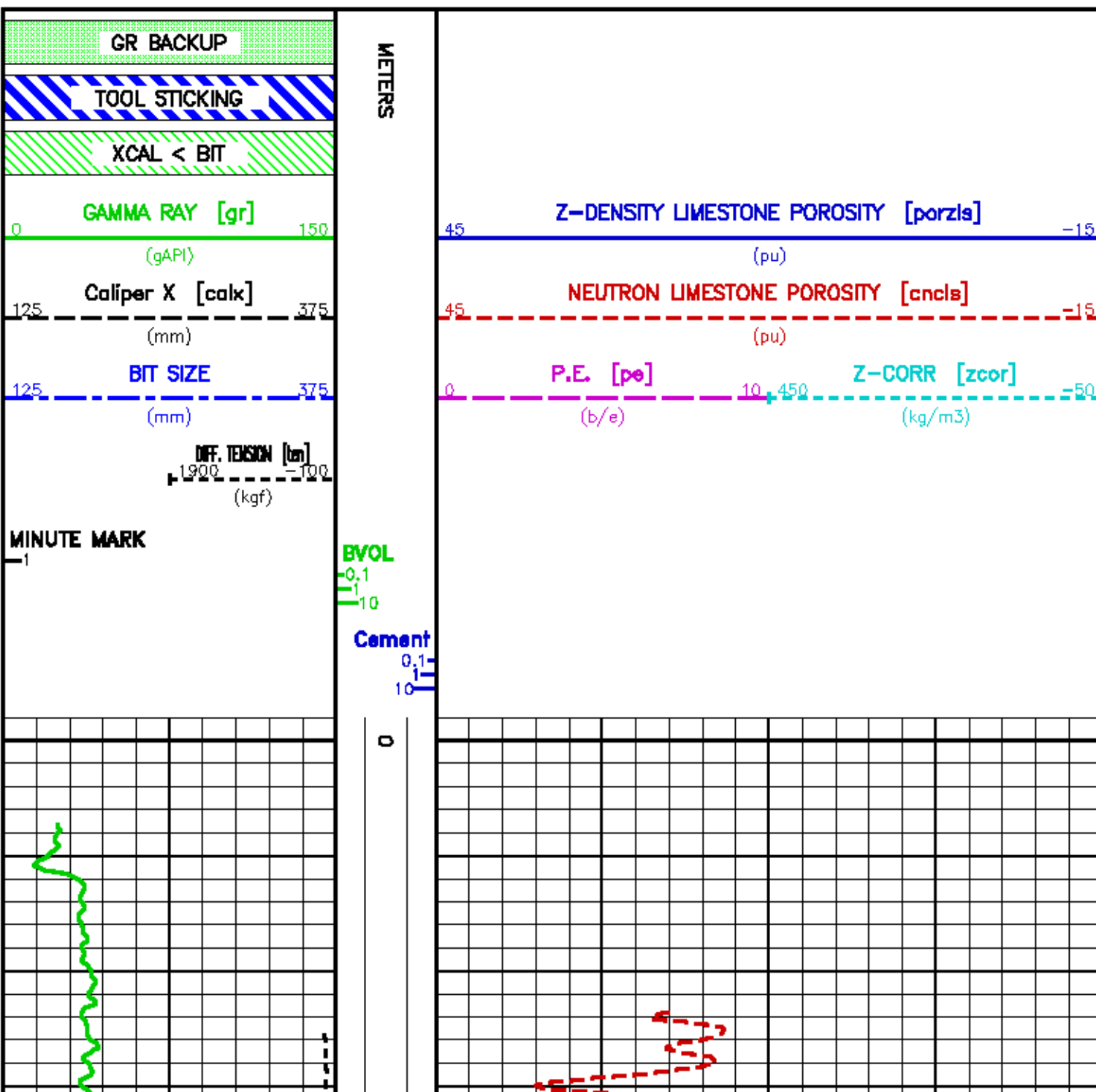
TYPE	PE	Nov 22 10:34:23 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZLS	PORZLS	Nov 22 10:34:23 2005	POROSITY FOR LIMESTONE MATRIX
F1:TEN	TEN	Nov 22 11:45:37 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Nov 22 10:34:23 2005	DENSITY CORRECTION

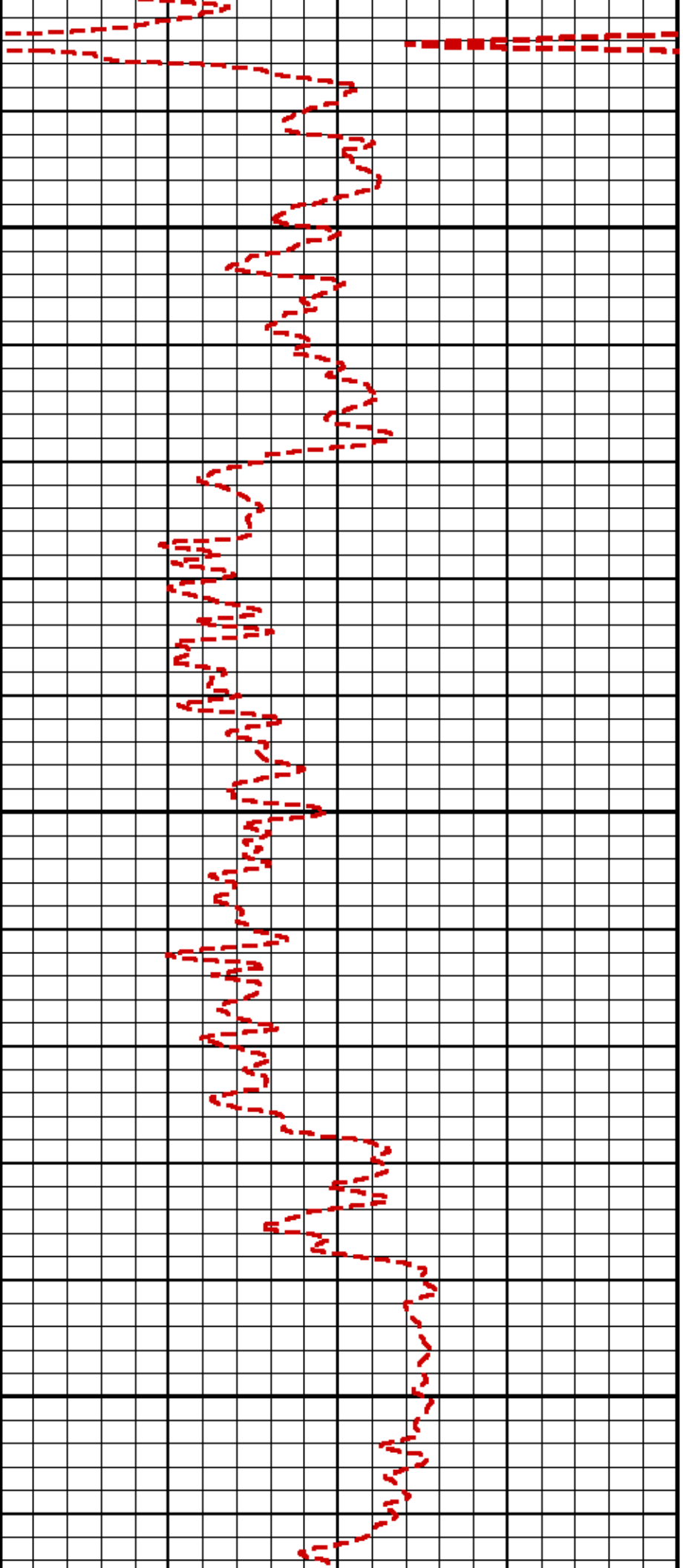
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCLS	6.32	PE	0.98	TEN	0.00
CALX	0.98	GR	8.14	PORZLS	0.98	ZCOR	0.98

Presentation : c:\p1\dat1a\pass\vol_hrc2\zcl_main_je.pdf [1:240 Scale]
 Plot Interval : -0.4572 - 833 Meters

Data File 1 : F1 : c:\p1\dat1a\pass\vol_hrc2\1777_jea.dff
 Created On : Nov 22 10:34:23 2005
 Company : VULCAN MINERALS INC.
 Well : HURRICANE #2
 Field : HURRICANE
 File Interval : -0.4572 - 831.774 Meters
 Oct : 1777_je

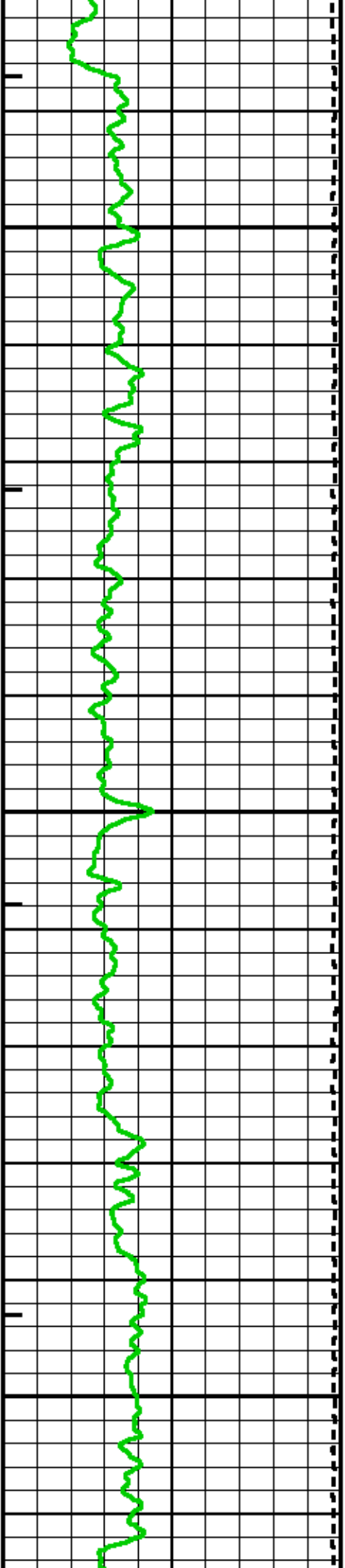


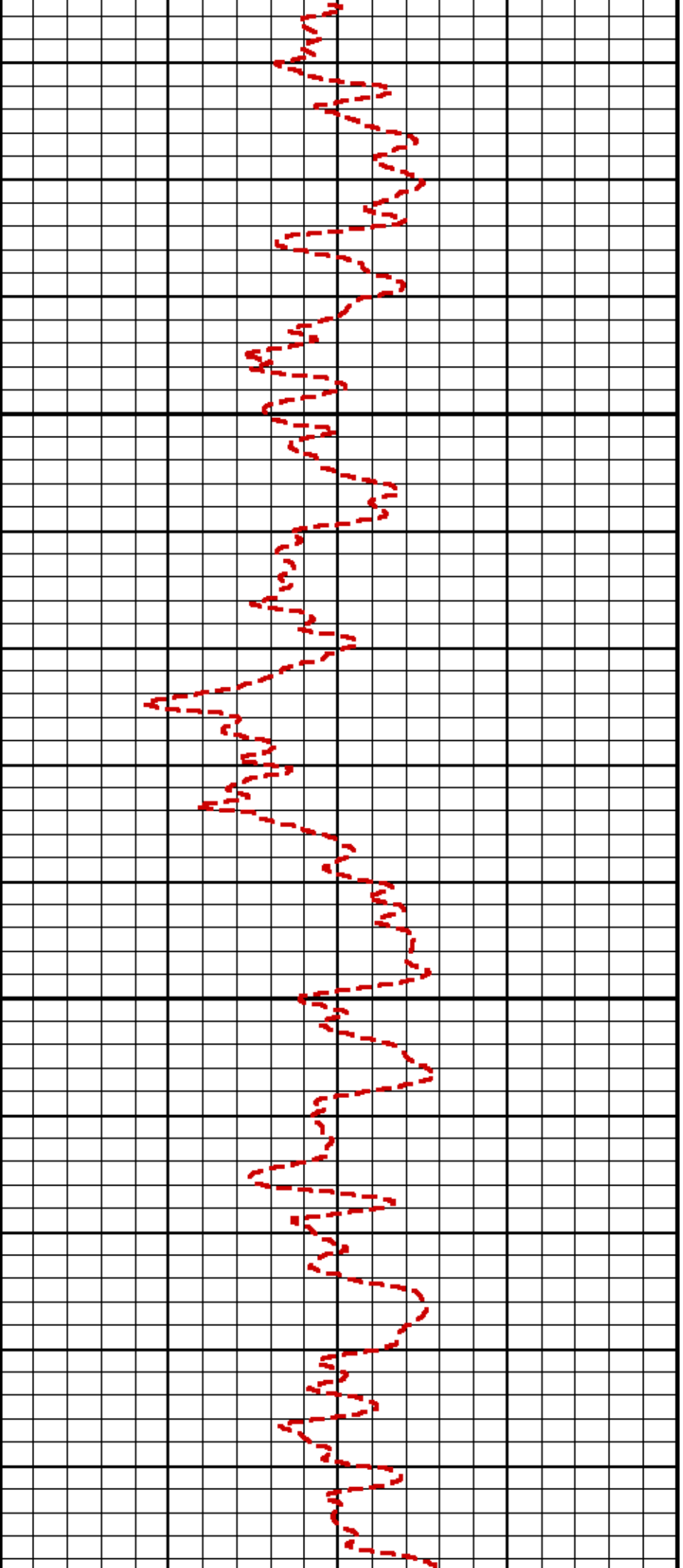


25

50

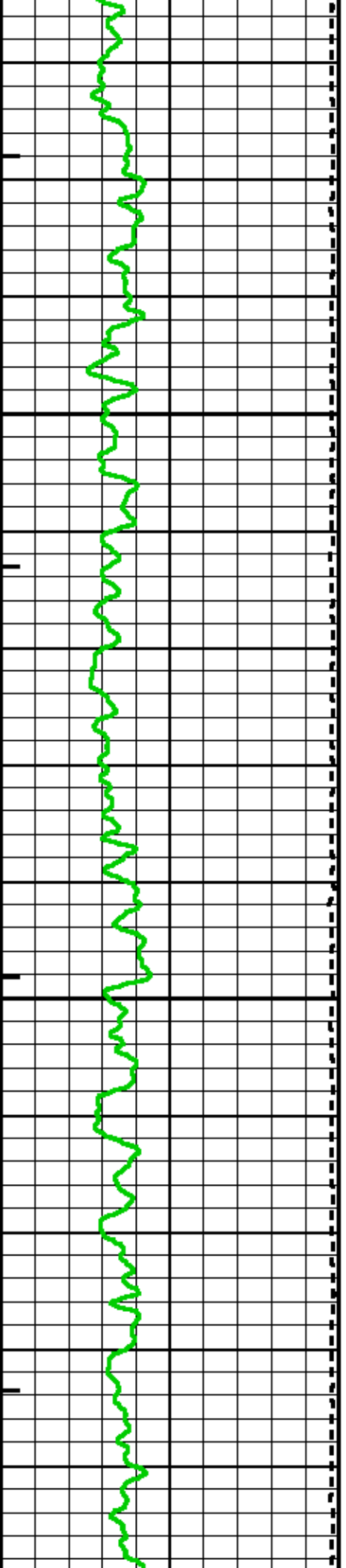
75

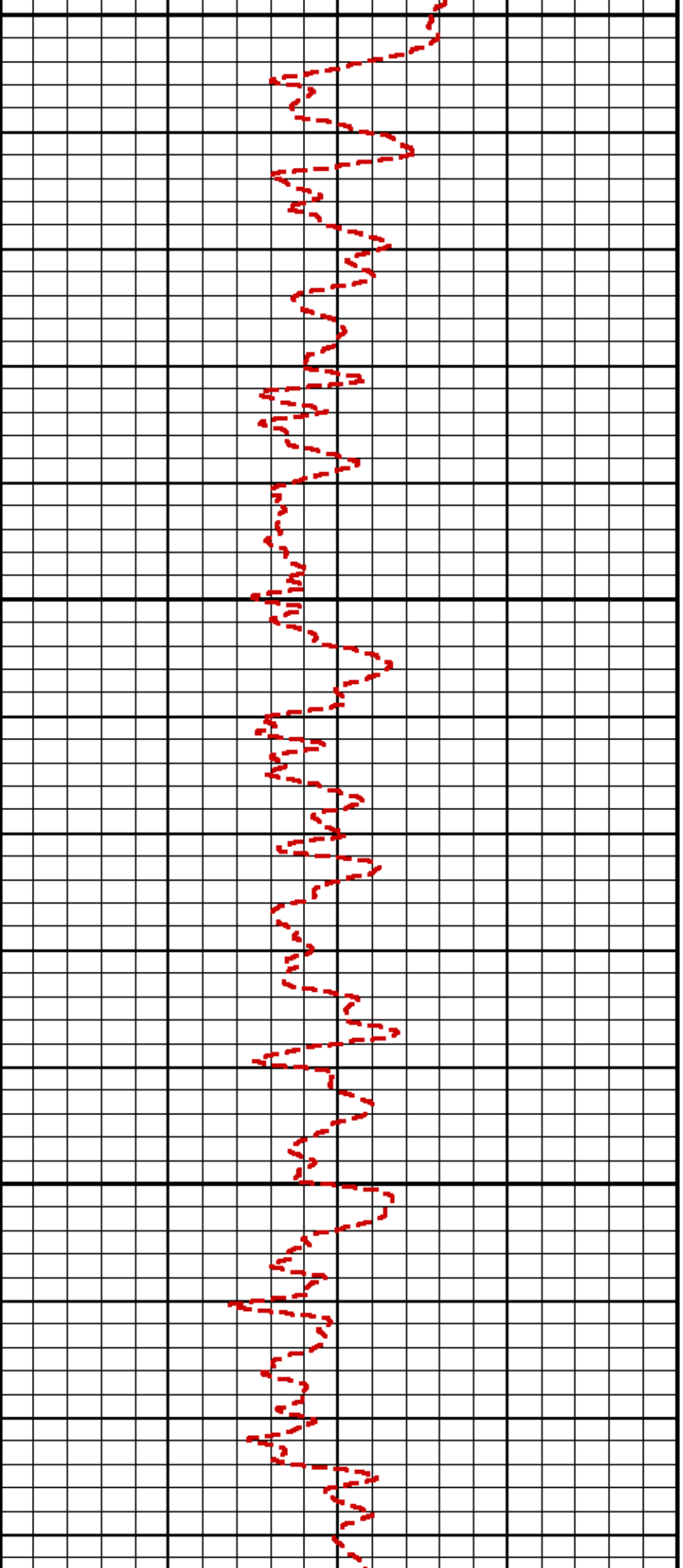




100

125

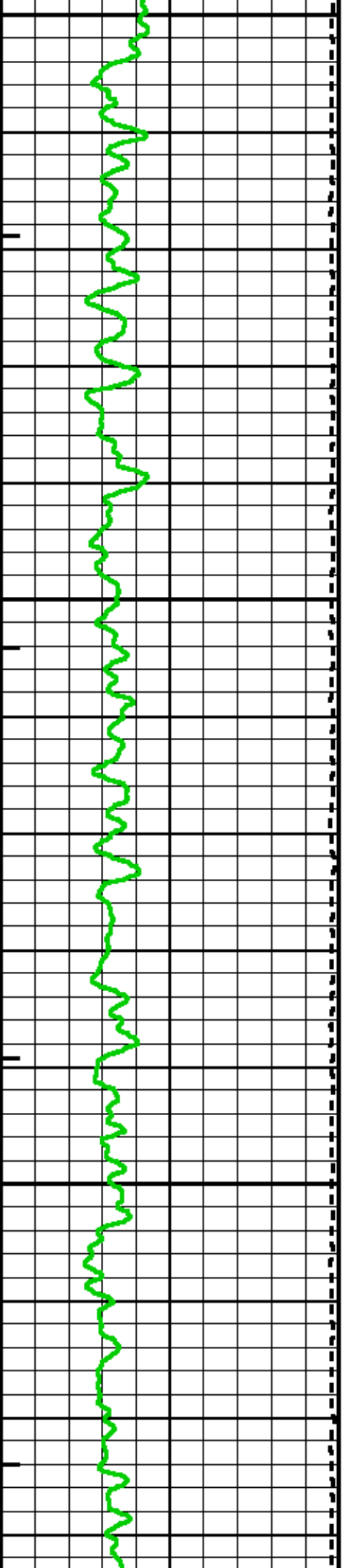


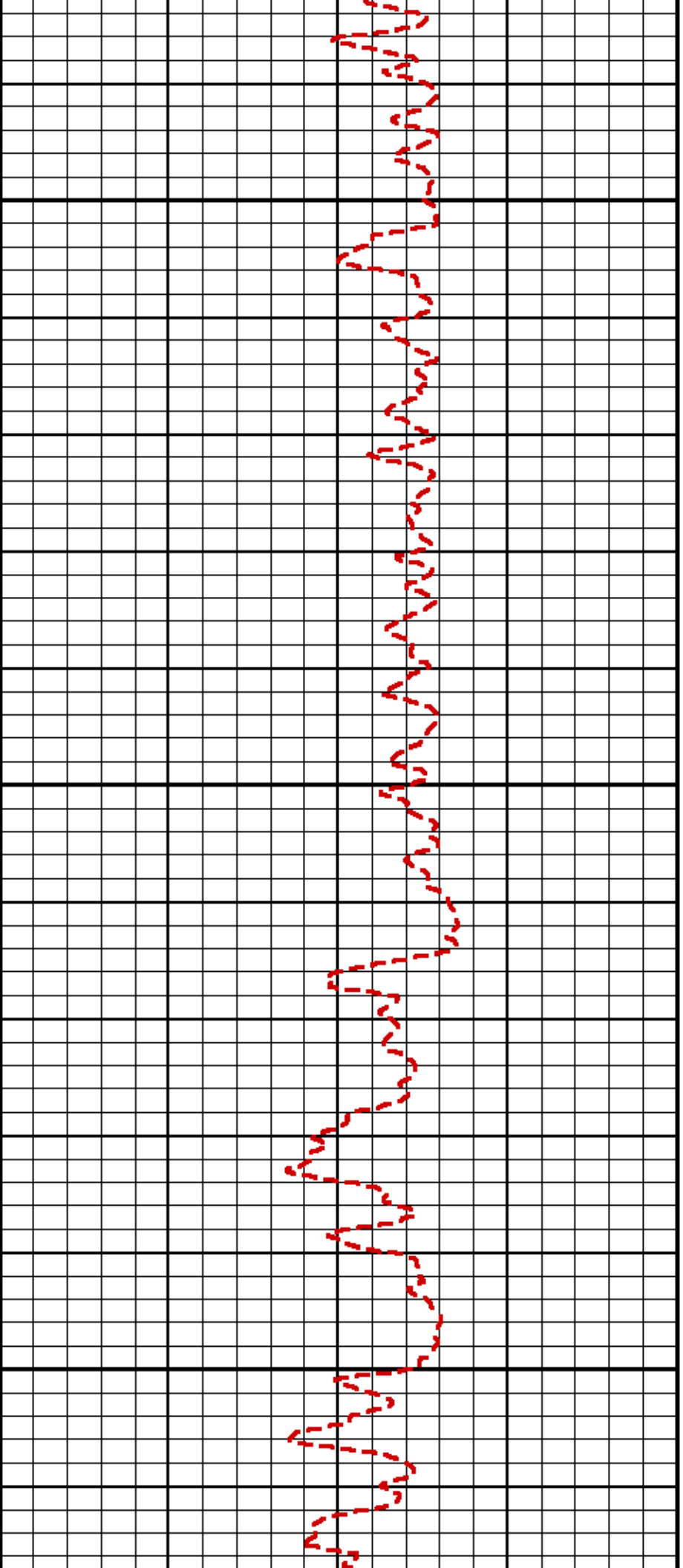


150

175

200

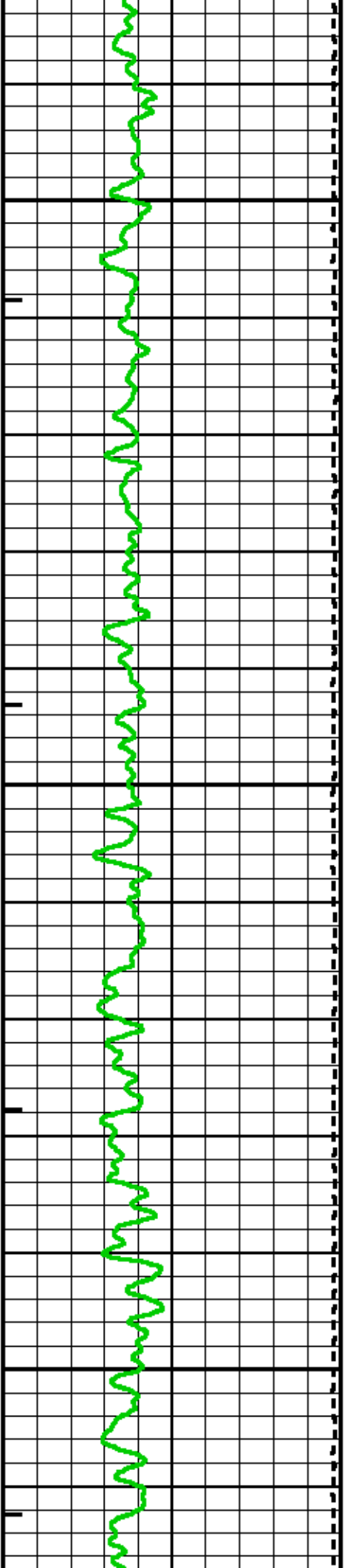


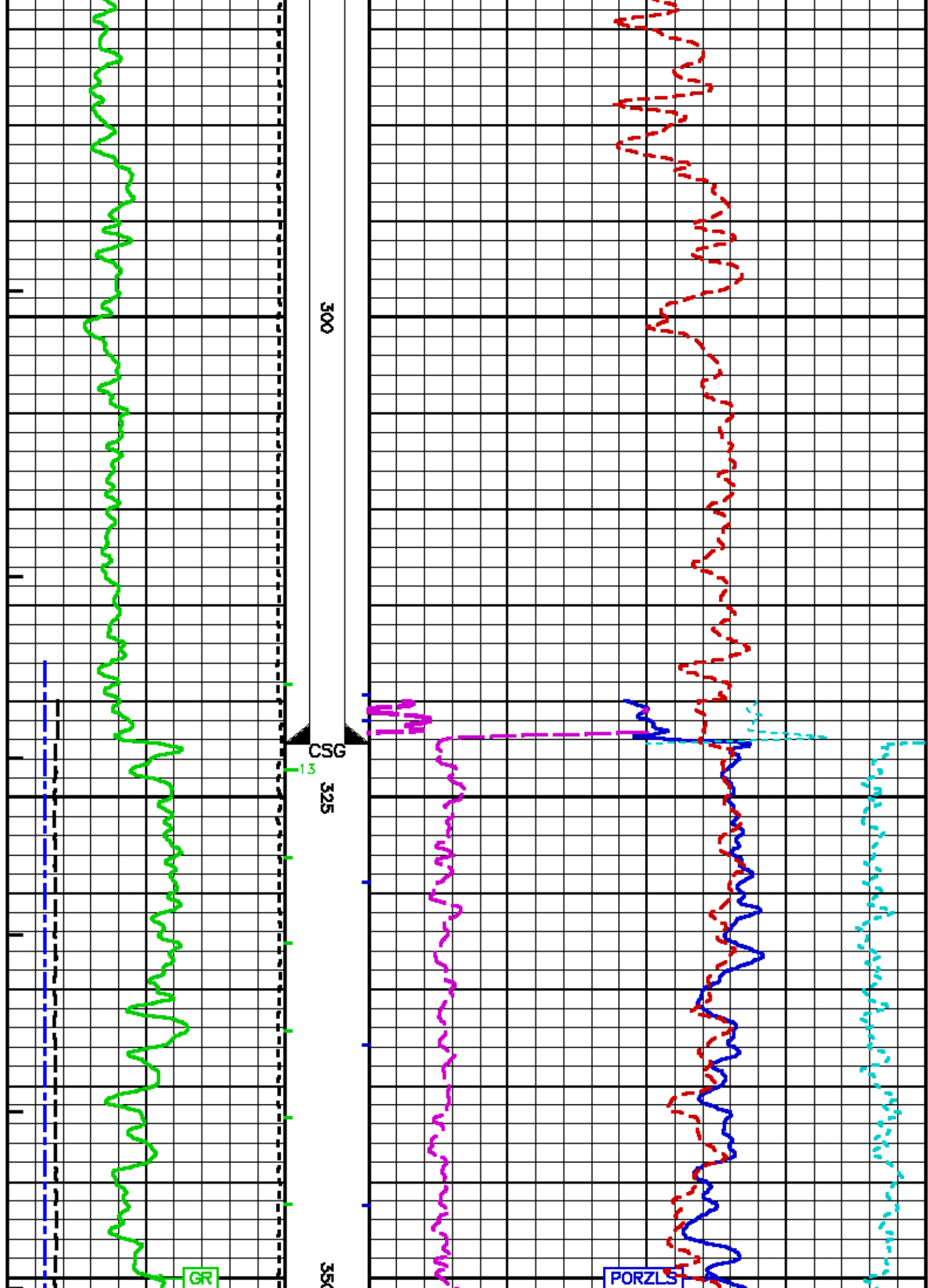


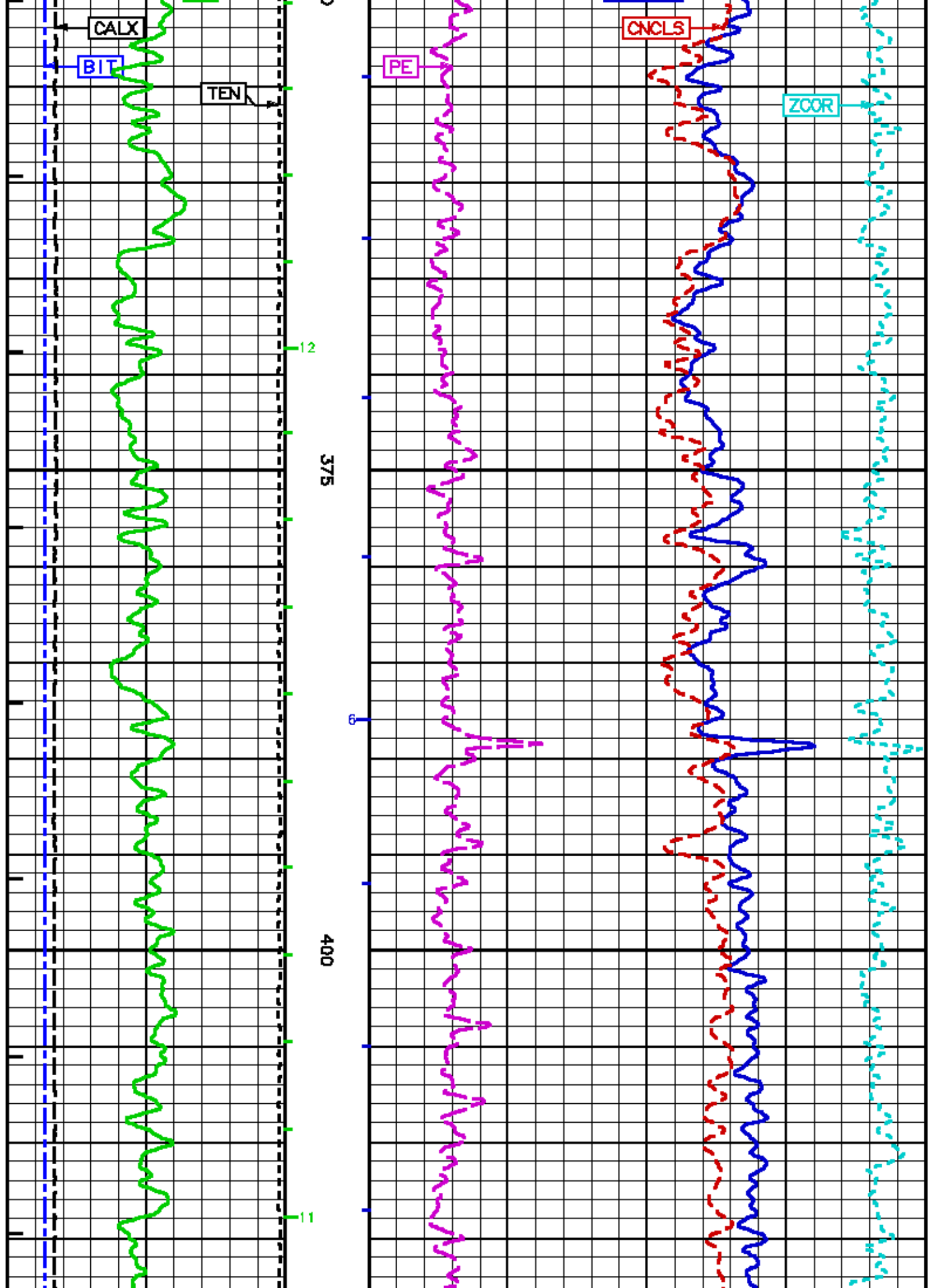
225

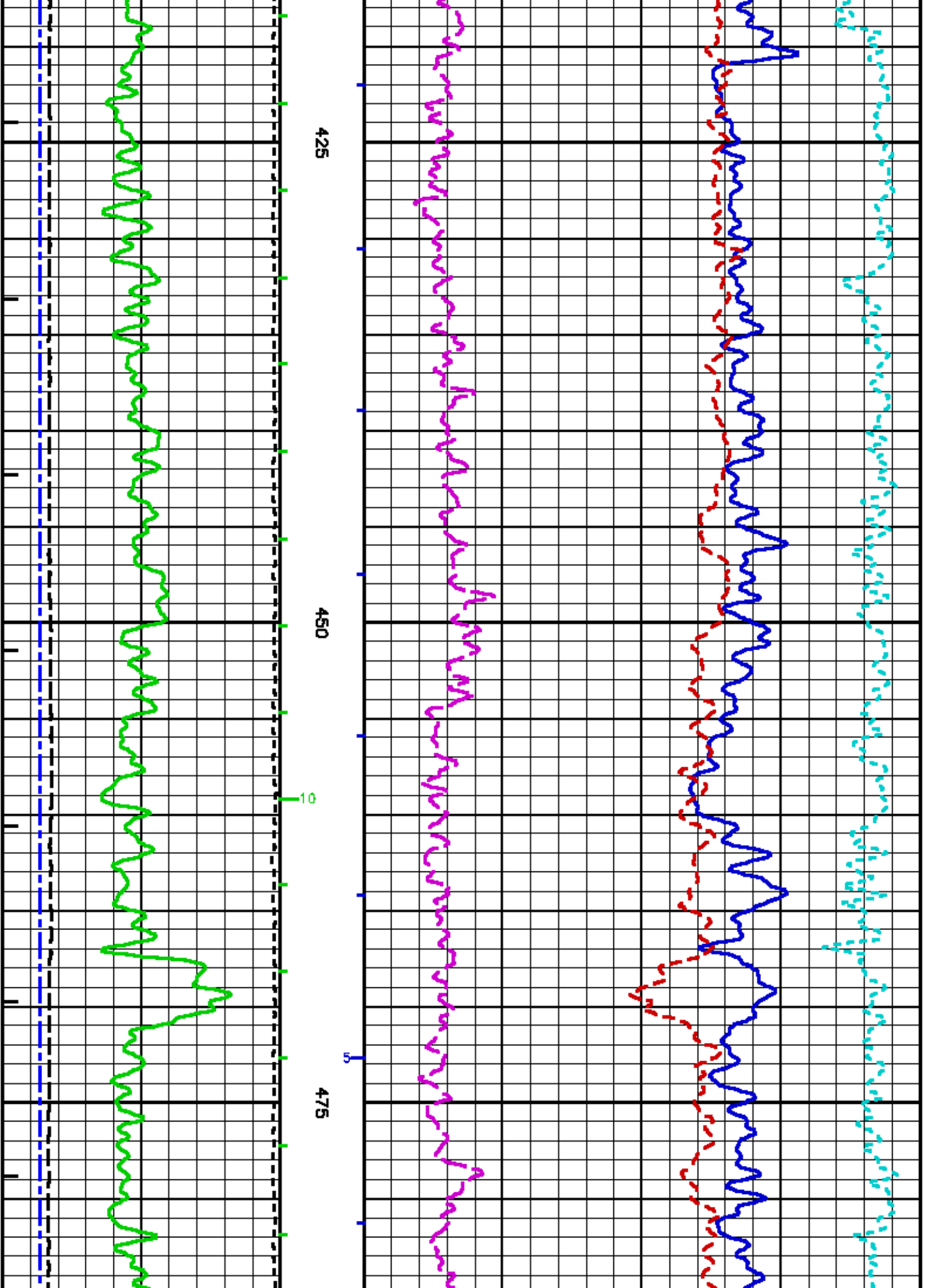
250

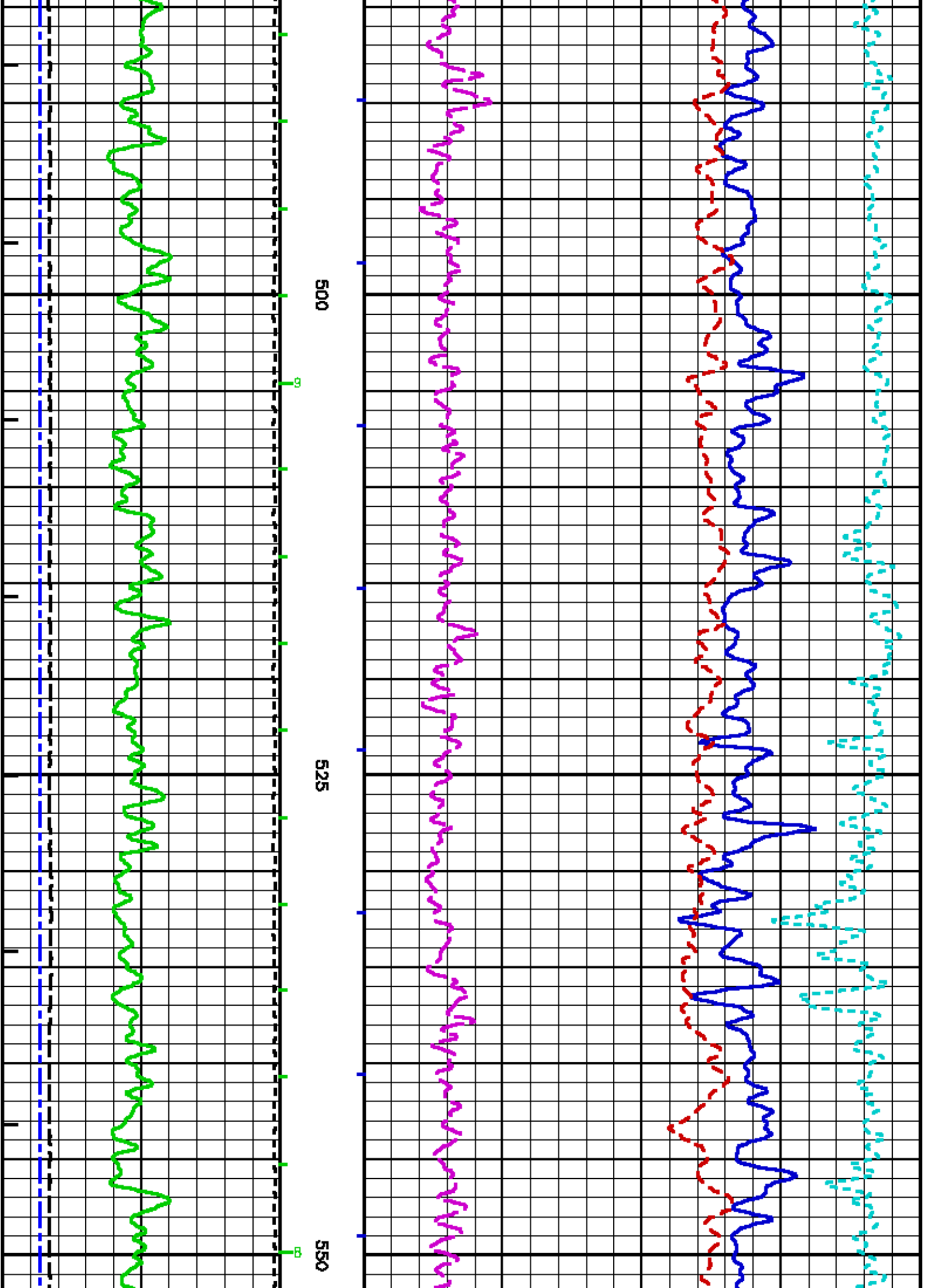
275

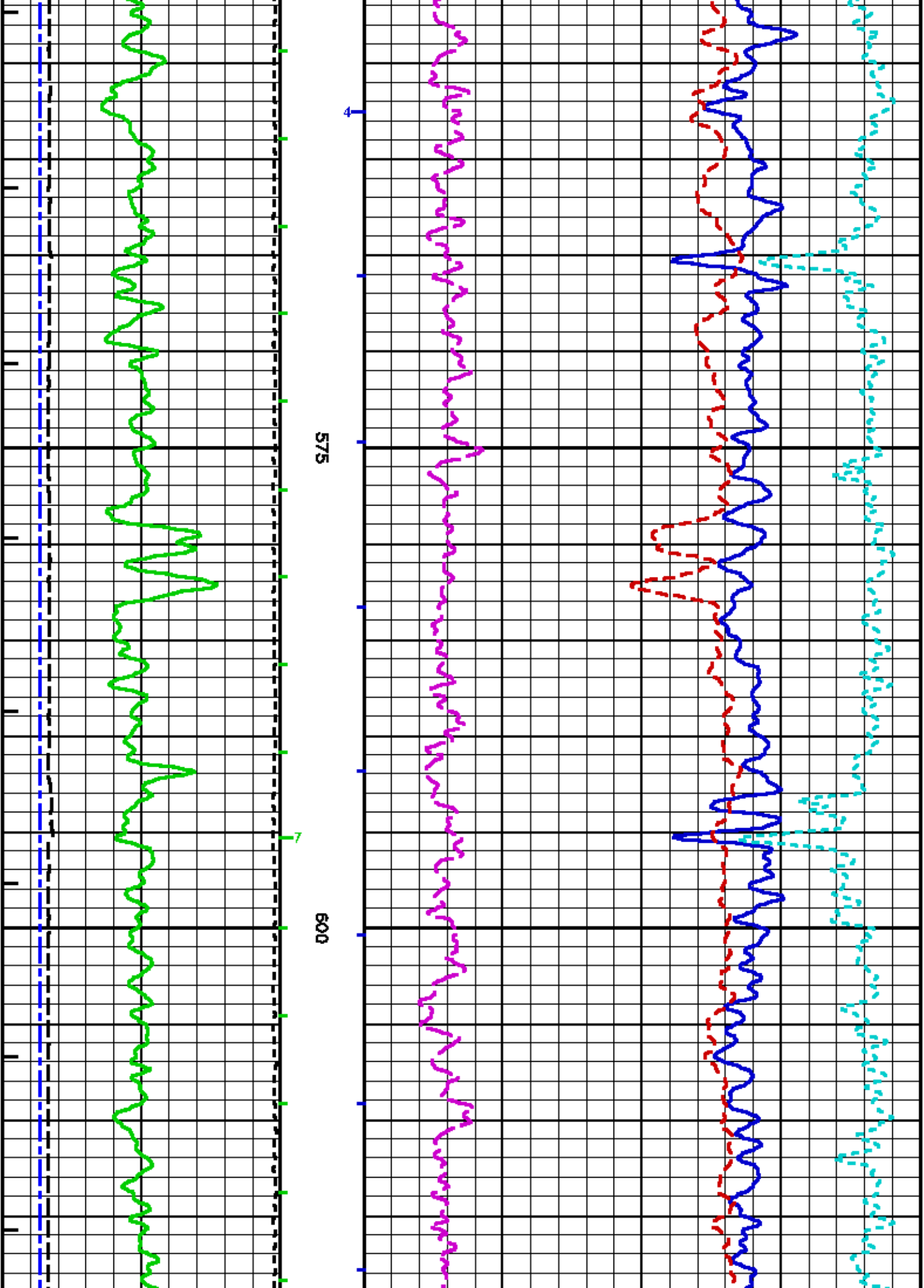


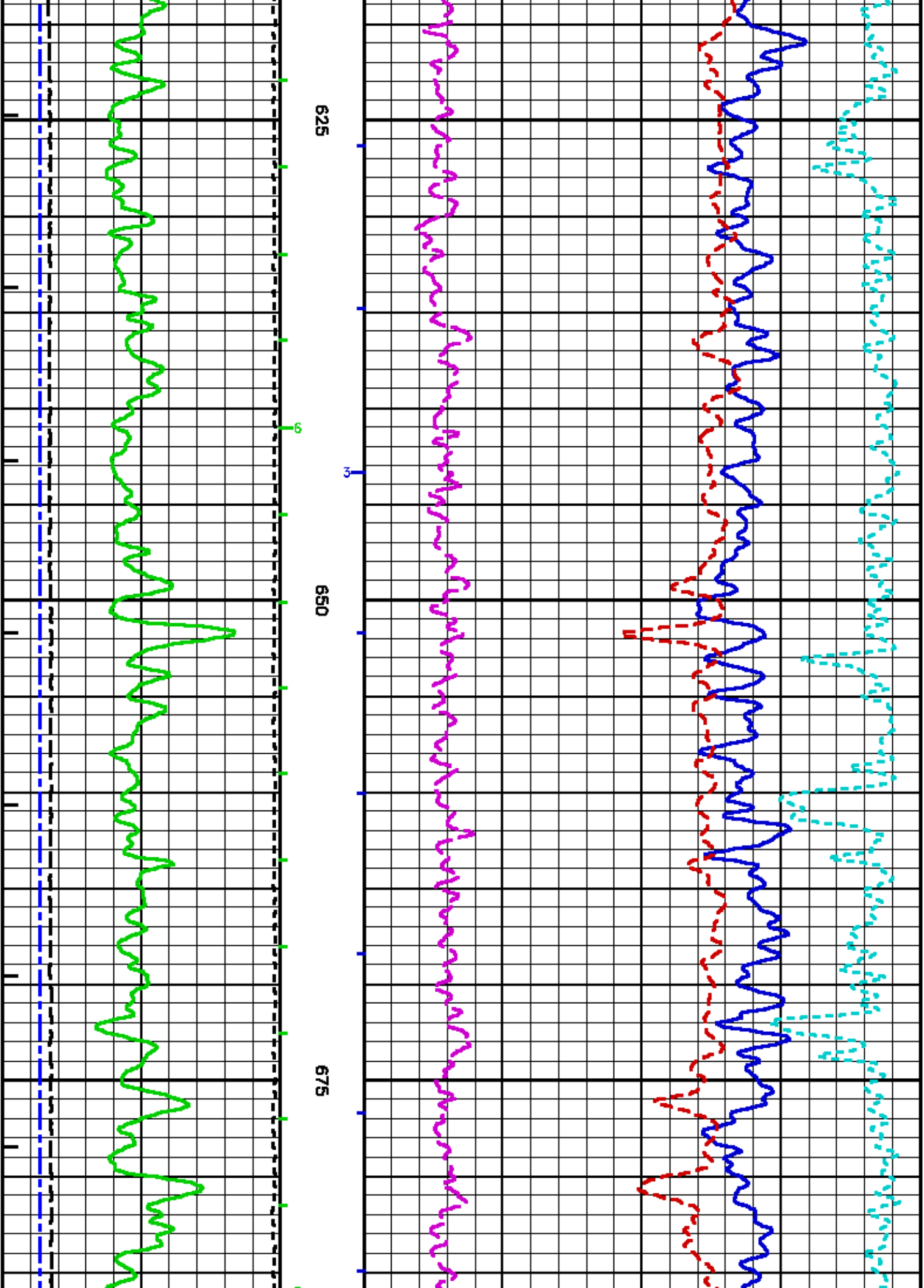


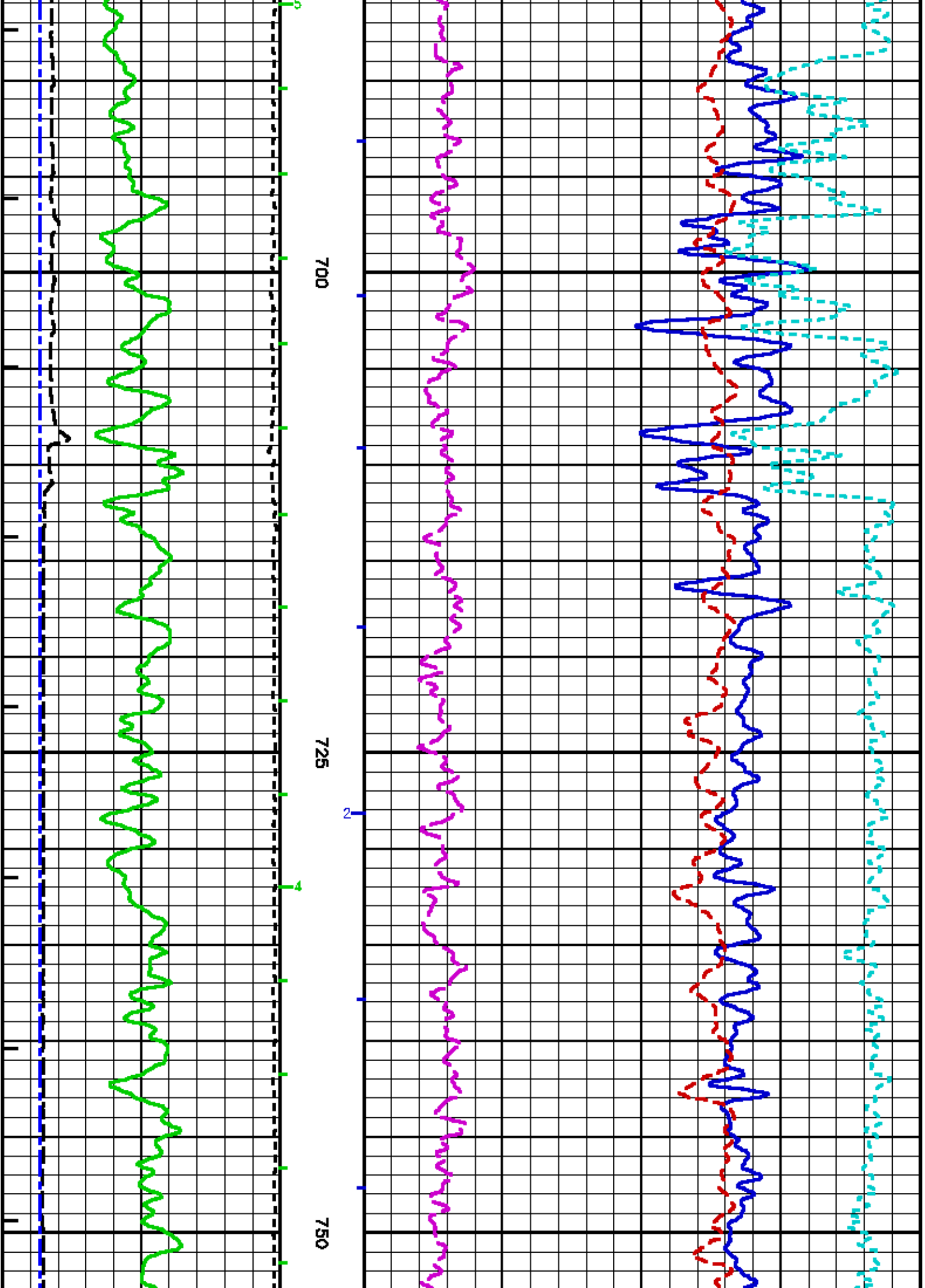


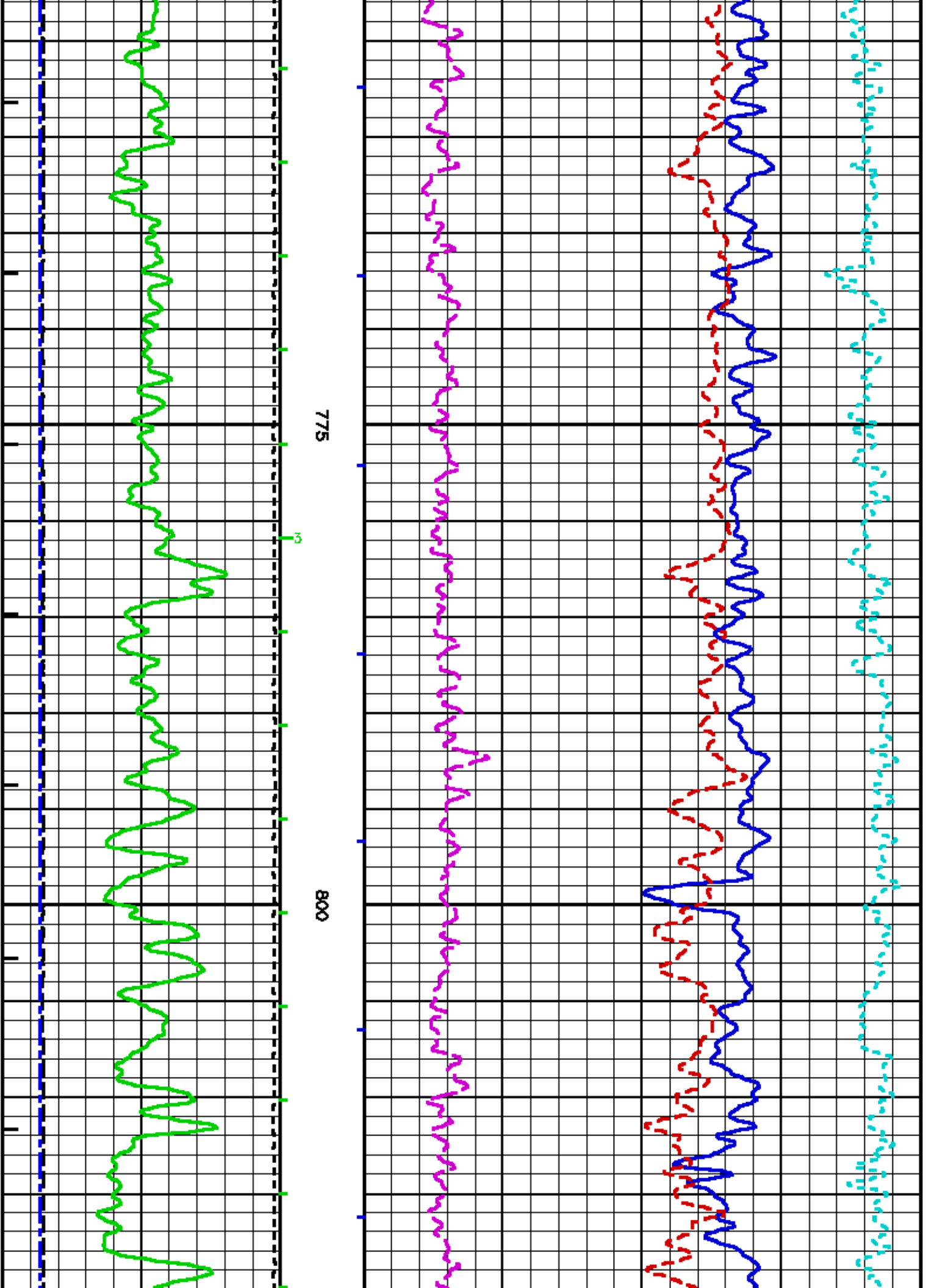


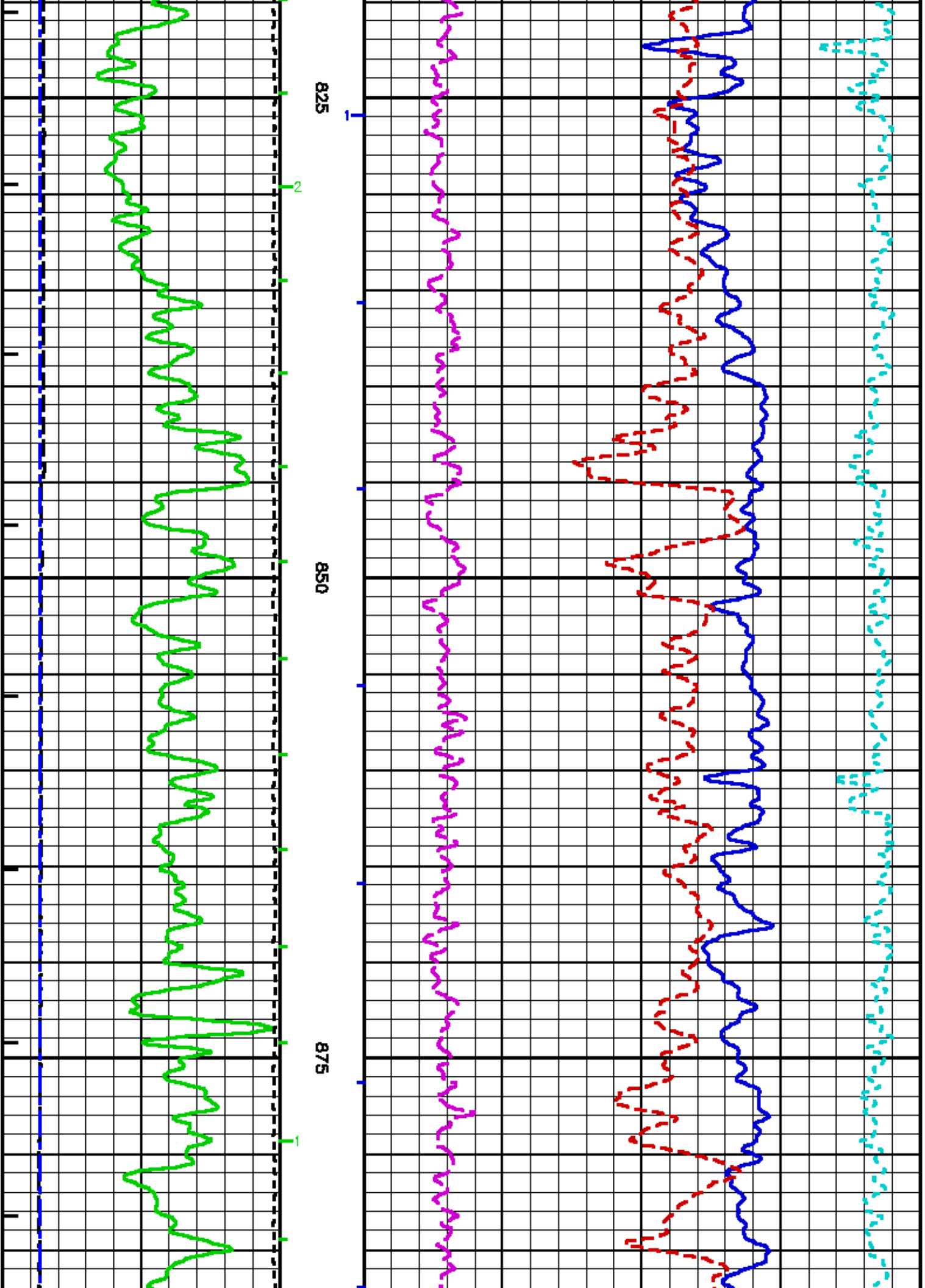


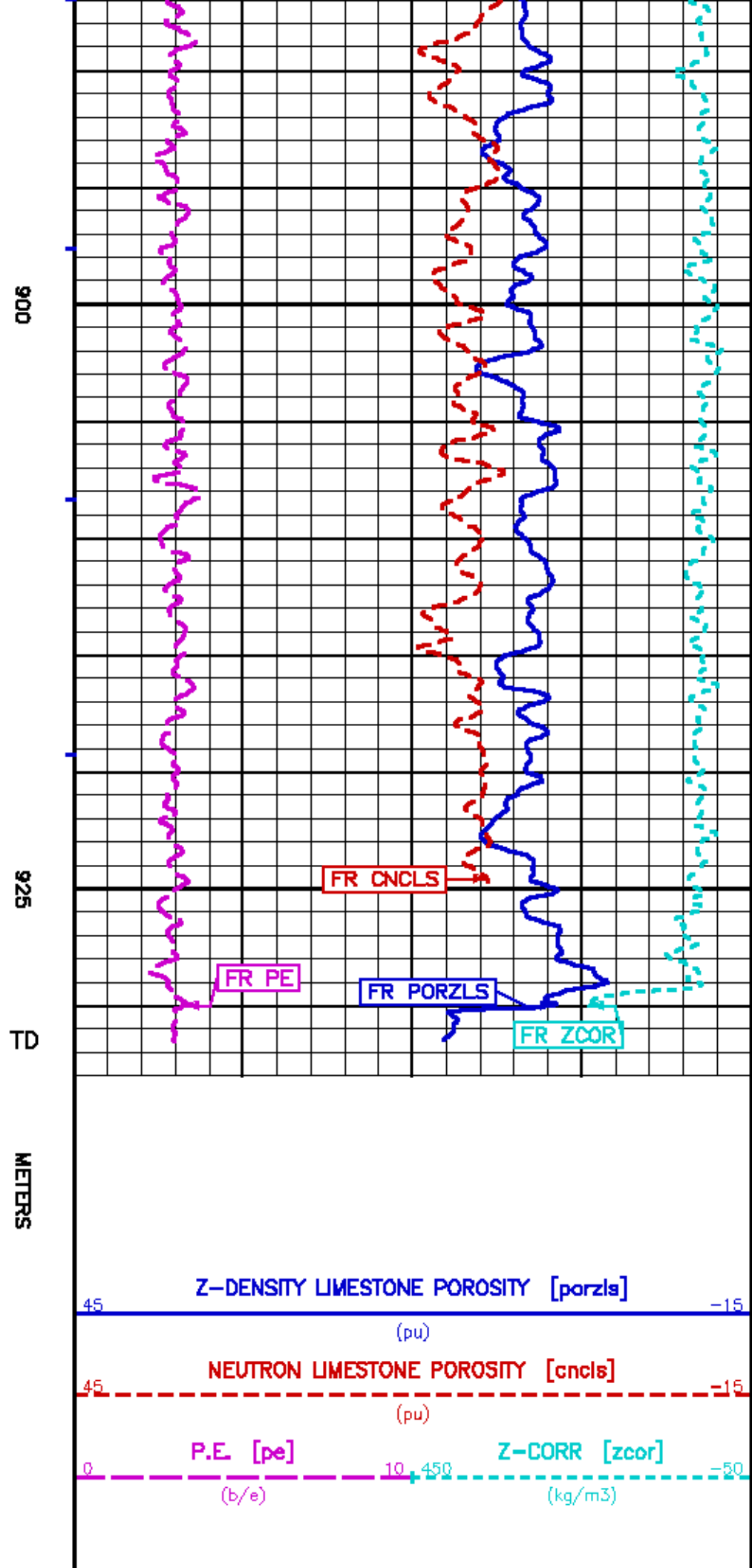
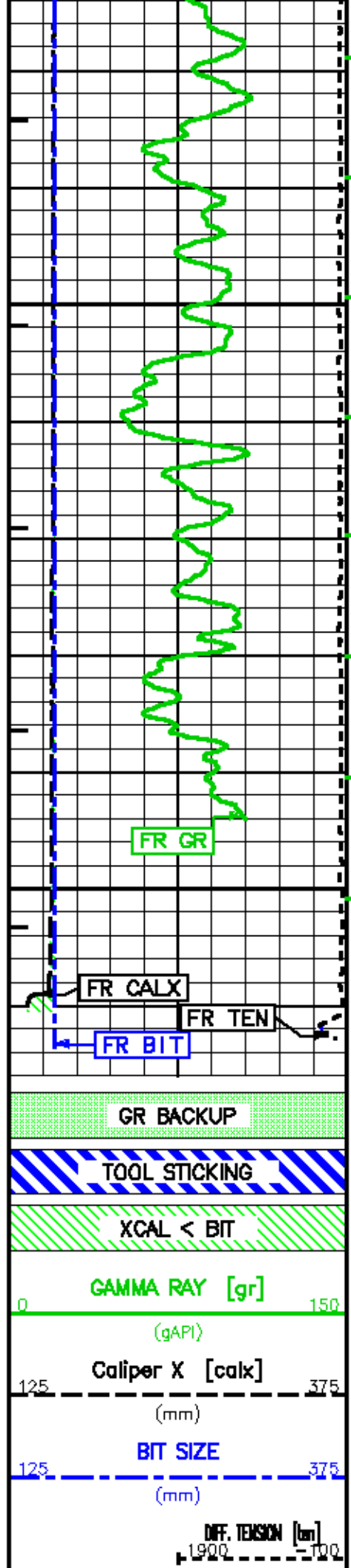












(kgf)

MINUTE MARK

BVOL

0.1
1
10

Cement

0.1
1
10

REPEAT LOG - LIMESTONE MATRIX

ECLIPS 5.01 Dec 17, 2003
Updates: 1,2,3,32

Perpht /main/59

Cplot 7.09
Pdf_Cpp /main/16Tue Nov 22 12:59:59 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pasa/vul_hrc2/1777-hs05.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 843.610 m BOTTOM DEPTH: 931.164 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASINO - BOREHOLE & CEMENT VOLUME	CASINO O.D.	114.300	mm	TOP	BOTTOM
	CASINO THICKNESS	8.000	mm	"	"
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE FIXED SIZE		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	166.000	mm	"	"

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASINO & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	222.000	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (line)	2.710	g/cm3	"	"
ZDL	ZDL TRACKING	ON		"	"

CURVE DESCRIPTION REPORT

CURVE NAME CURVE ALIAS CREATION DATE CURVE DESCRIPTION

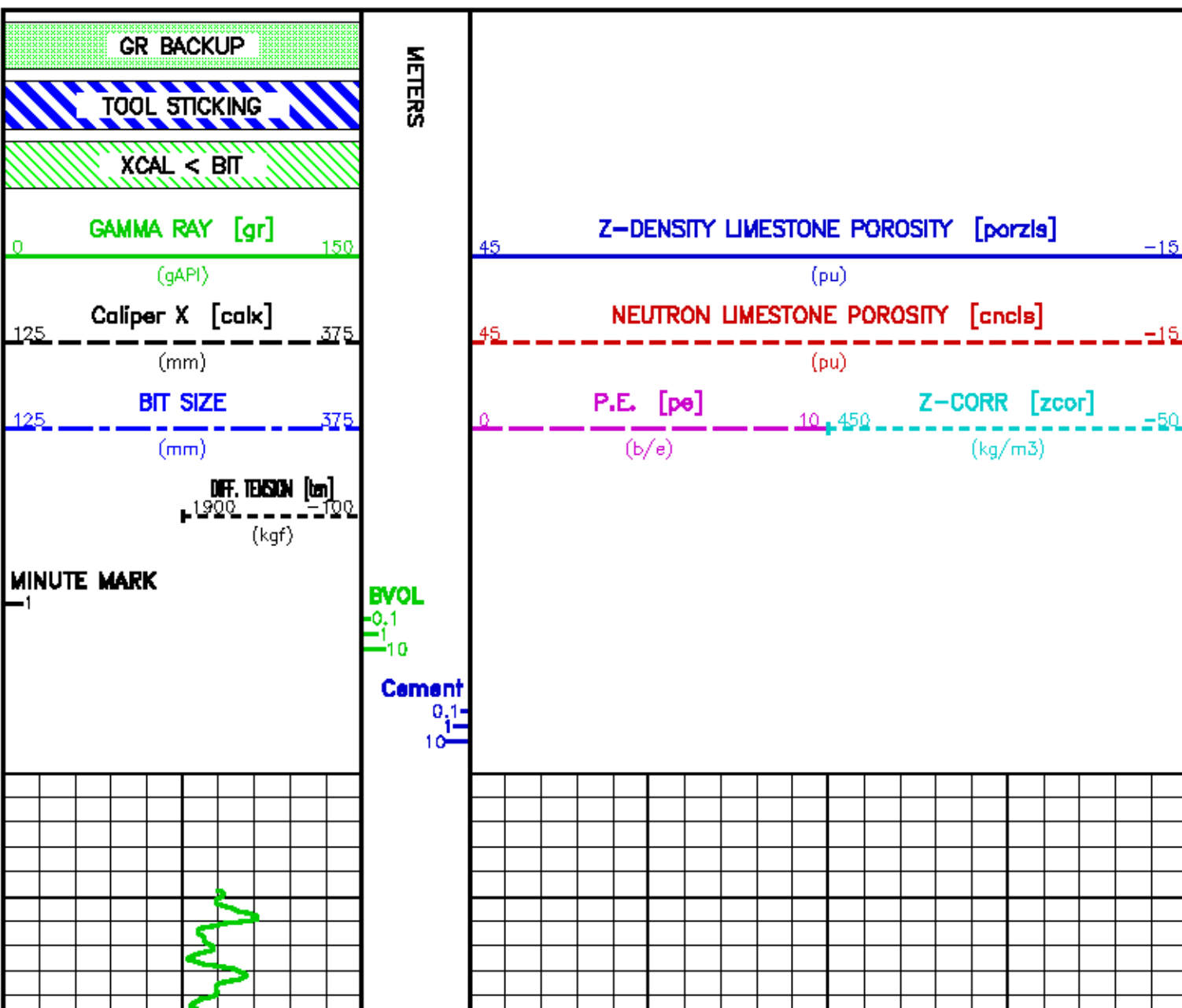
F1:BIT	BIT	Nov 22 10:18:46 2005	BIT SIZE
F1:BVOL	BVOL	Nov 22 10:18:46 2005	BOREHOLE VOLUME
F1:CALX	CALX	Nov 22 10:18:46 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CNCLS	CNCLS	Nov 22 10:18:46 2005	BH SIZE CORR. Limestone COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Nov 22 10:18:46 2005	CEMENT VOLUME
F1:GR	GR	Nov 22 10:18:46 2005	GAMMA RAY
F1:MMRK	MMRK	Nov 22 10:18:46 2005	MINUTE MARK
F1:PE	PE	Nov 22 10:18:46 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZLS	PORZLS	Nov 22 10:18:46 2005	POROSITY FOR LIMESTONE MATRIX
F1:TEN	TEN	Nov 22 10:18:46 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Nov 22 10:18:46 2005	DENSITY CORRECTION

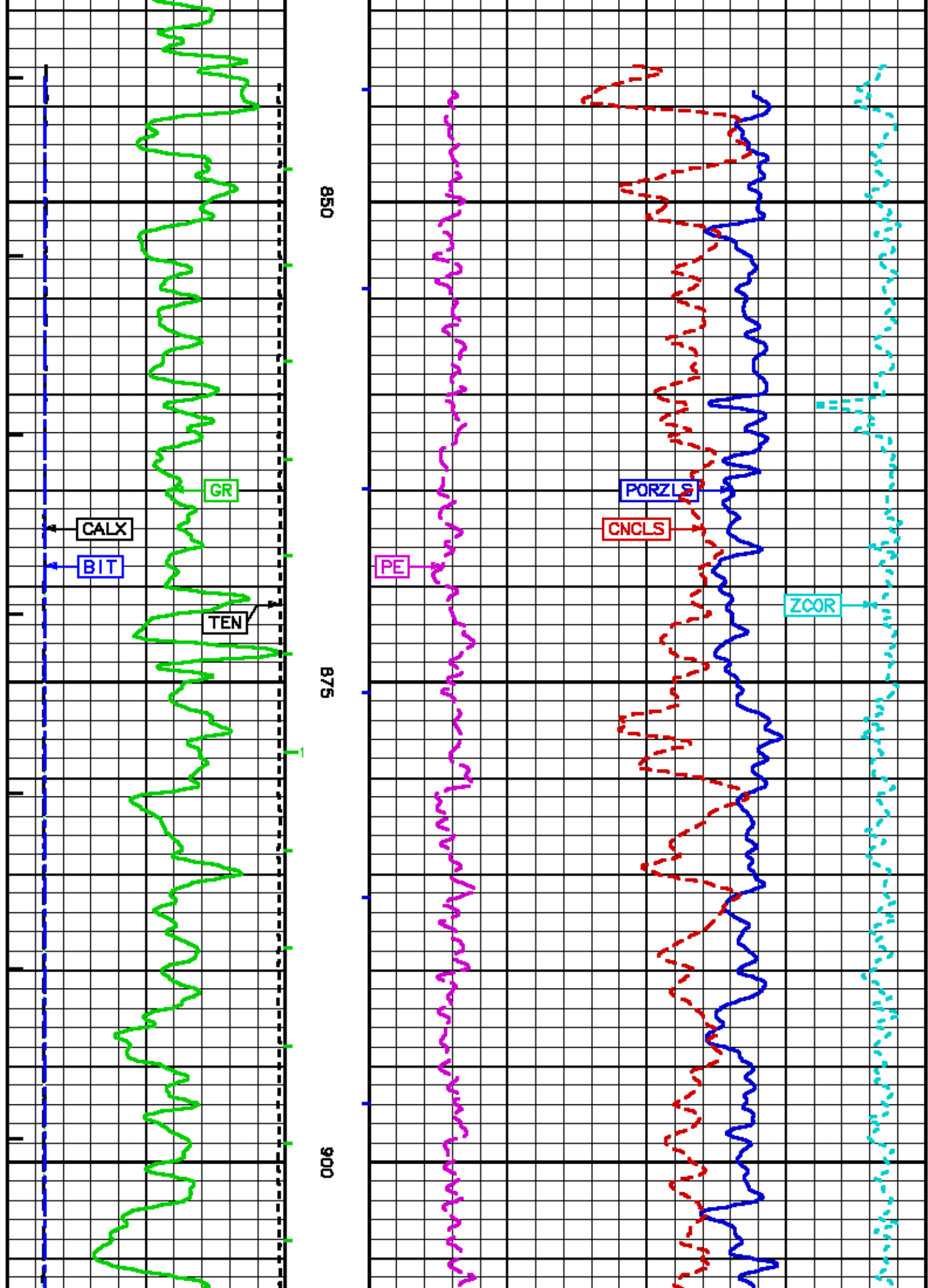
CURVE MEASURE POINT OFFSET

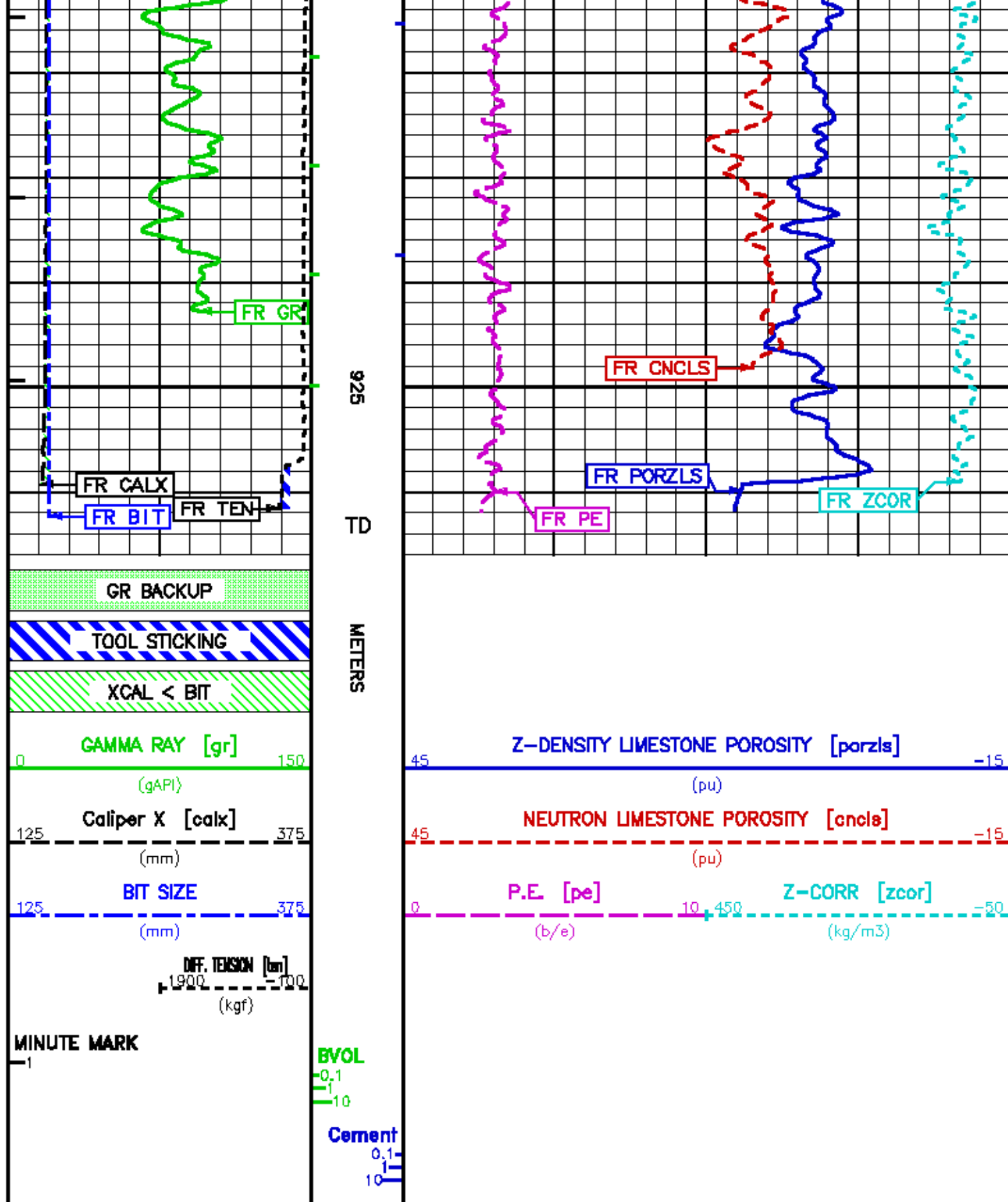
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCLS	6.32	PE	0.99	TEN	0.00
CALX	0.99	GR	9.14	PORZLS	0.99	ZCOR	0.99

Presentation : cpu1:/data/pass/vul_hrc2/xdl_rpt_in.pdf [1:240 Scale]
 Plot Interval : 830.58 - 835 Meters

Data File 1 : F1 : cpu1:/data/pass/vul_hrc2/1777.h05.xtf
 Created On : Nov 22 10:18:46 2005
 Company : VULCAN MINERALS INC.
 Well : HURRICANE #2 (WHIP #1)
 Field : BAY ST. GEORGE
 File Interval : 830.58 - 831.164 Meters
 Oct : 1777.h







MAIN LOG - SANDSTONE MATRIX

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pasa/vul_hro2/1777-hd06.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 318.516 m BOTTOM DEPTH: 931.774 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
	CASING THICKNESS	8.800	mm	"	"
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (onbh*)	USE CALIPER		TOP	931.184
		USE FIXED SIZE		931.184	BOTTOM
BOREHOLE CORR DIAMETER	FIXED DIAMETER (onbh*)	186.000	mm	TOP	BOTTOM

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNO	222.000	mm	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		"	"
DENSITY POROSITY	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (mand)	2.650	g/cm3	"	"
ZDL	ZDL TRACKING	ON		"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pasa/vul_hro2/1777-hd07.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 12.421 m BOTTOM DEPTH: 330.937 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
Y AXIS CALIPER	FILTER ()	light (2)		TOP	BOTTOM
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"
X AXIS CALIPER	FILTER ()	light (2)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
ZDL	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
	CASING THICKNESS	8.800	mm	"	"
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (onbh*)	USE FIXED SIZE		"	"

BOREHOLE CORR. DIAMETER	FIXED DIAMETER (cnbh*)	100.000	mm	''	''
-------------------------	------------------------	---------	----	----	----

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CN SALINITY CORRECTION	SALINITY	0	ppm	TOP	BOTTOM
CN CASING & CEMENT CORRECTION	CORRECTION	ON		''	''
	BIT SIZE BEHIND CSNO	222.000	mm	''	''

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
ZDL CHI-SMOOTH FILTER	DEN CHISM ()	ON		TOP	BOTTOM
	PE CHISM ()	OFF		''	''
DENSITY POROSITY	RHOfluid	1.000	g/cm3	''	''
	RHOmatrix (sand)	2.650	g/cm3	''	''
ZDL	ZDL TRACKING	ON		''	''

CURVE DESCRIPTION REPORT

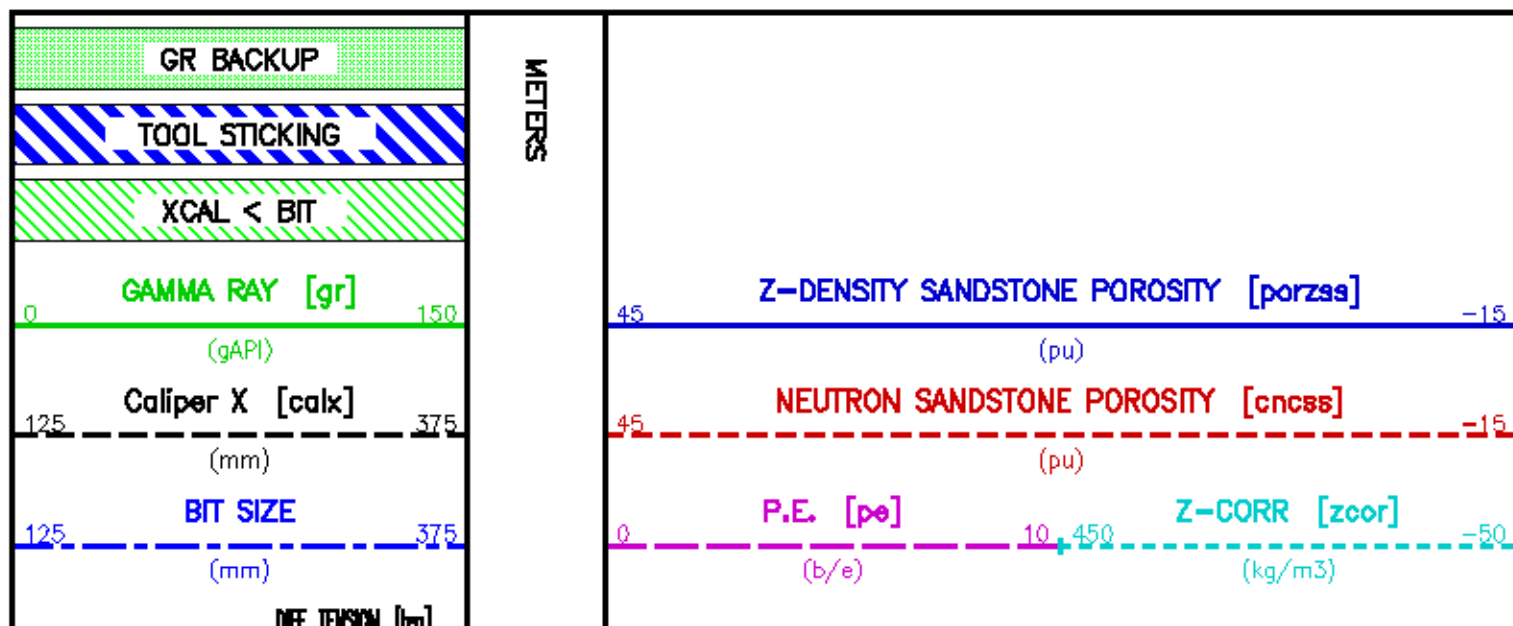
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 22 11:45:57 2005	BIT SIZE
F1:BVOL	BVOL	Nov 22 11:45:57 2005	BOREHOLE VOLUME
F1:CALX	CALX	Nov 22 10:34:23 2005	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CNCSS	CNCSS	Nov 22 11:45:57 2005	BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Nov 22 11:45:57 2005	CEMENT VOLUME
F1:GR	GR	Nov 22 11:45:57 2005	GAMMA RAY
F1:MMRK	MMRK	Nov 22 11:45:57 2005	MINUTE MARK
F1:PE	PE	Nov 22 10:34:23 2005	PHOTO ELECTRIC CROSS-SECTION
F1:PORZSS	PORZSS	Nov 22 10:34:23 2005	POROSITY FOR SANDSTONE MATRIX
F1:TEN	TEN	Nov 22 11:45:57 2005	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Nov 22 10:34:23 2005	DENSITY CORRECTION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CNCSS	6.32	PE	0.99	TEN	0.00
CALX	0.99	GR	9.14	PORZSS	0.99	ZCOR	0.99

Presentation : opul:/data/pass/vul_hrc2/zdl_main_wu.pdf [1:240 Scale]
 Plot Interval : -0.4572 - 933 Meters

Data File 1 : F1 : opul:/data/pass/vul_hrc2/1777.hrc.xdf
 Created On : Nov 22 10:34:23 2005
 Company : VULCAN MINERALS INC.
 Well : HURRICANE #2
 Field : HURRICANE
 File Interval : -0.4572 - 931.774 Meters
 Out : 1777.hrc



1900 100
(kgf)

MINUTE MARK

1

BVOL

0.1
1
10

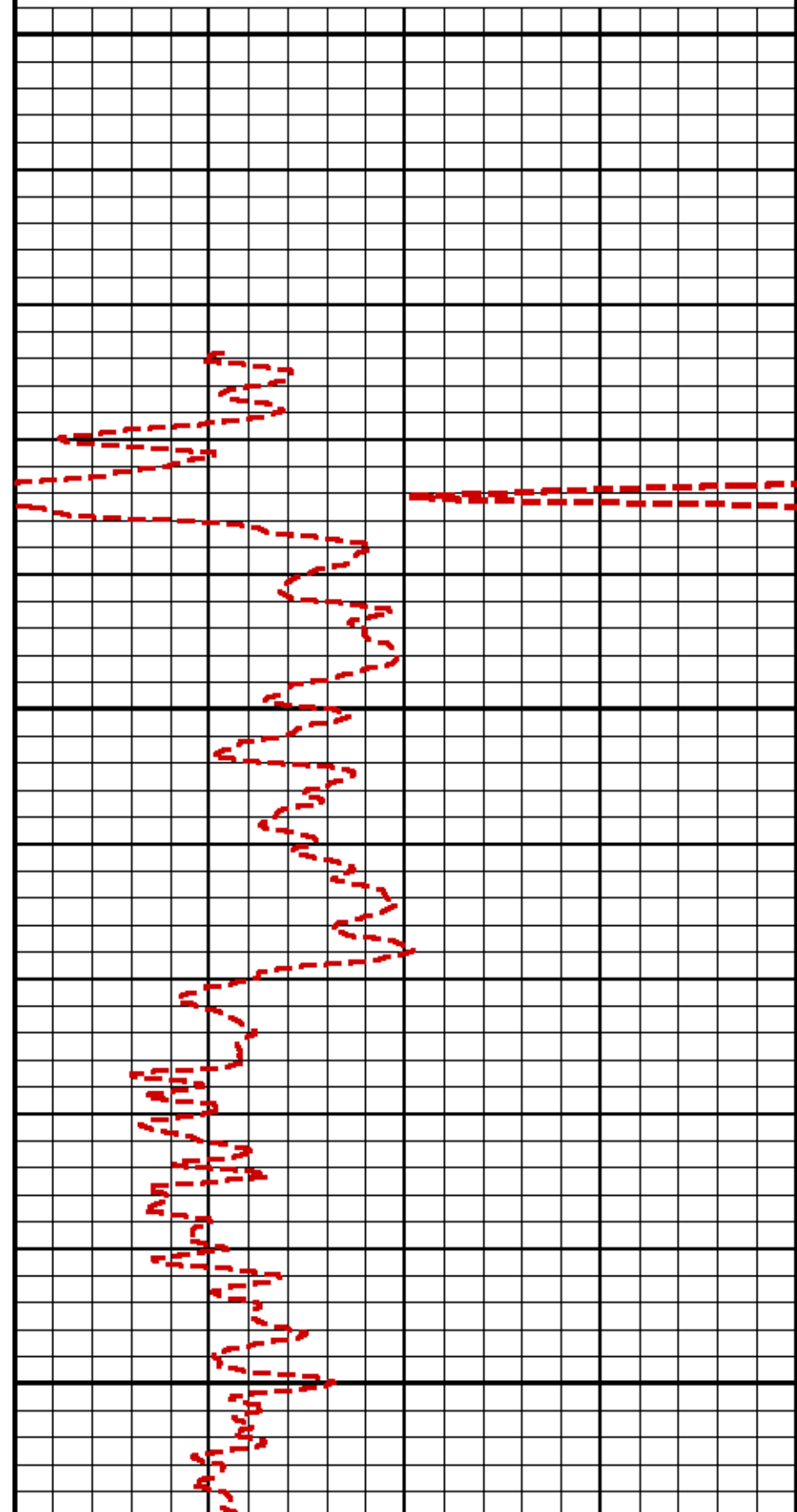
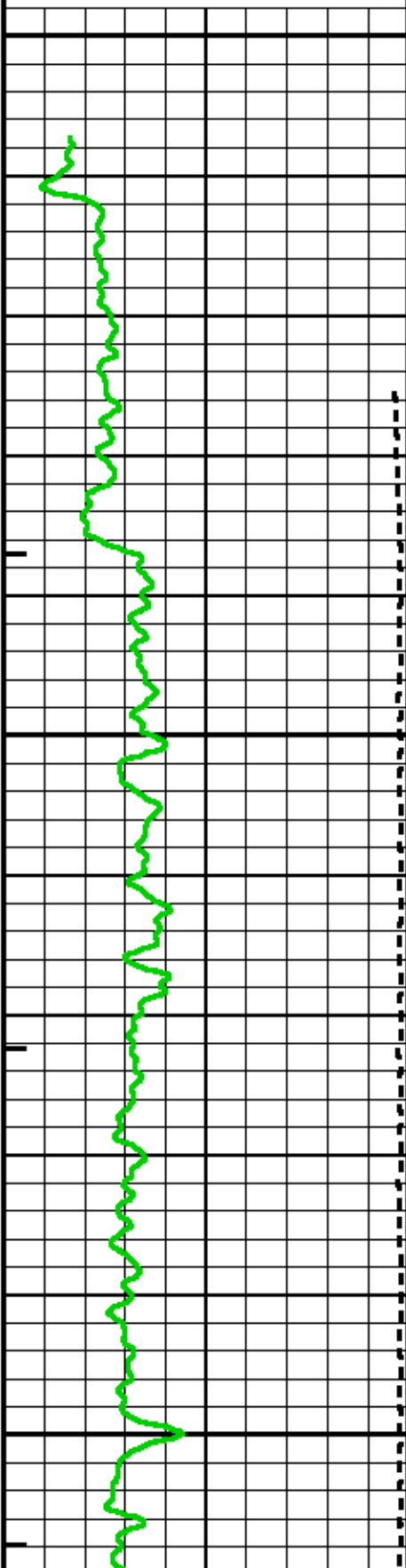
Cement

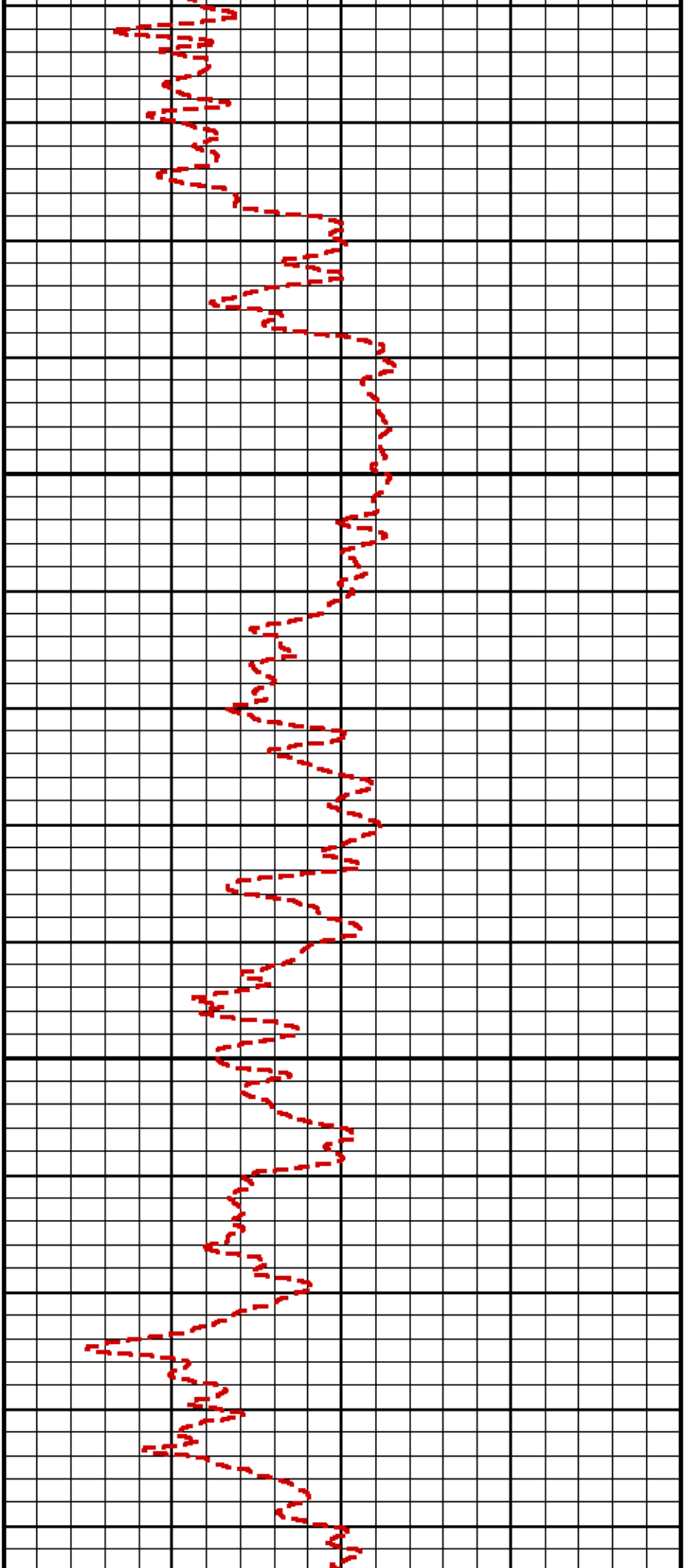
0.1
1
10

0

25

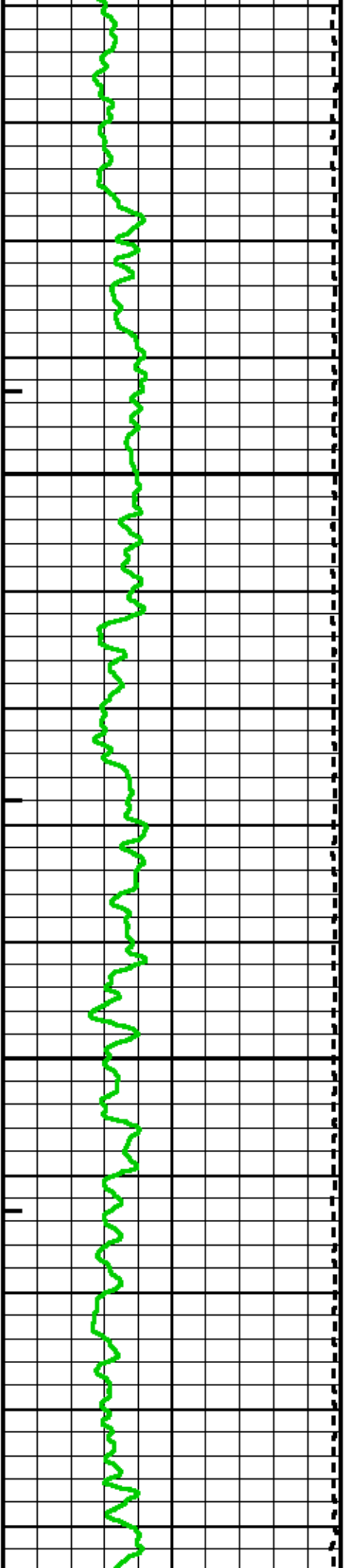
50

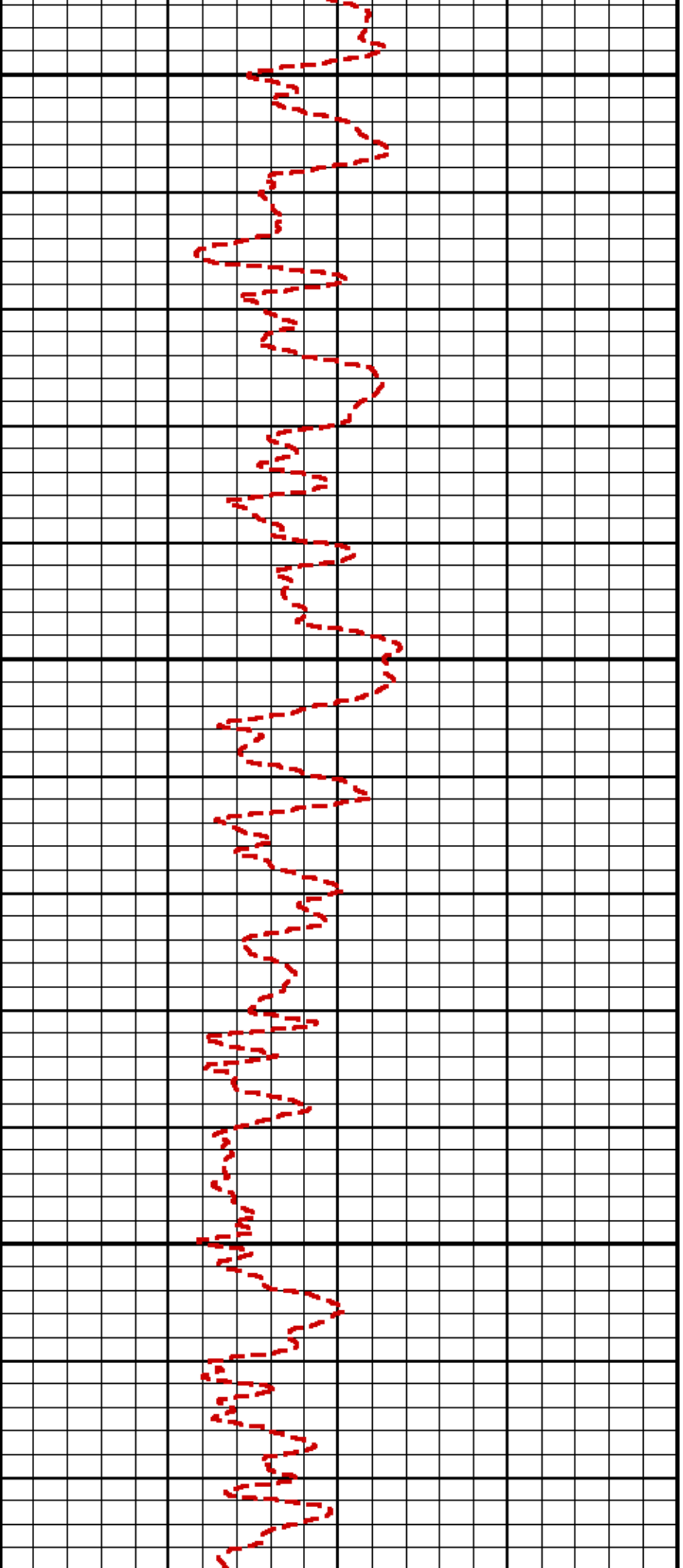




75

100

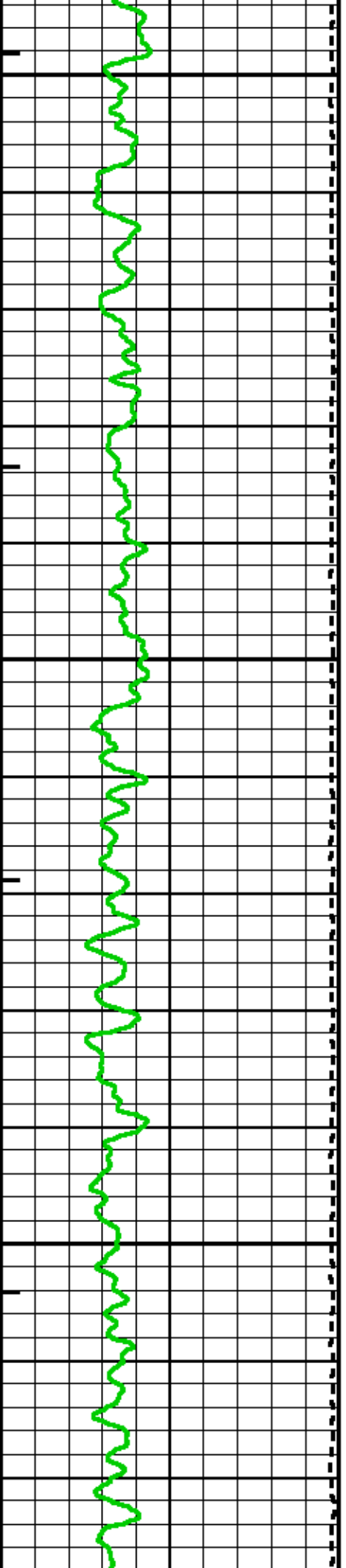


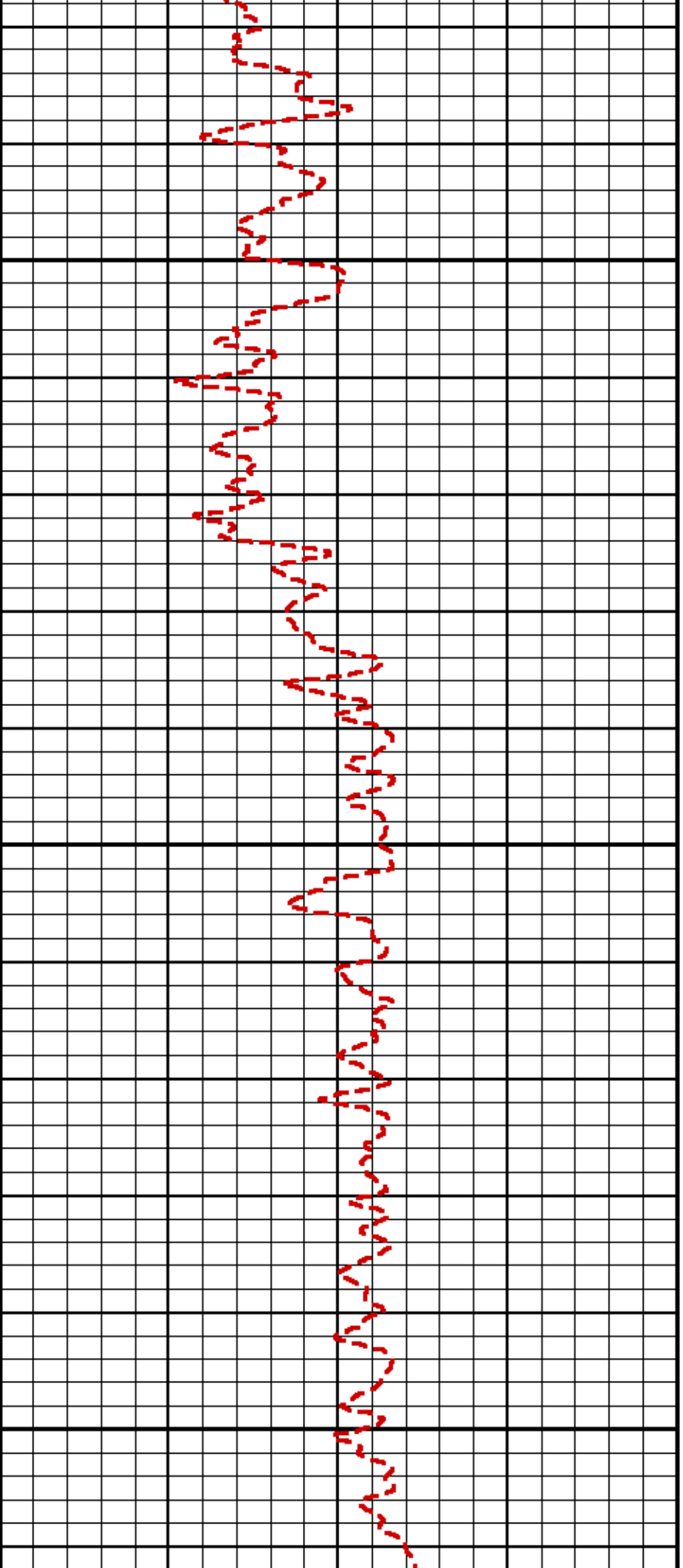


125

150

175

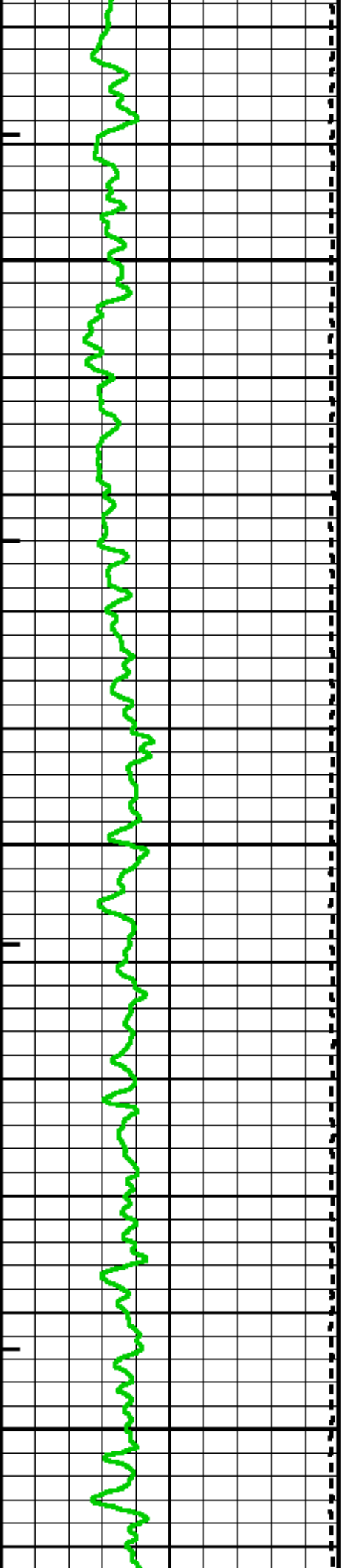




200

225

250

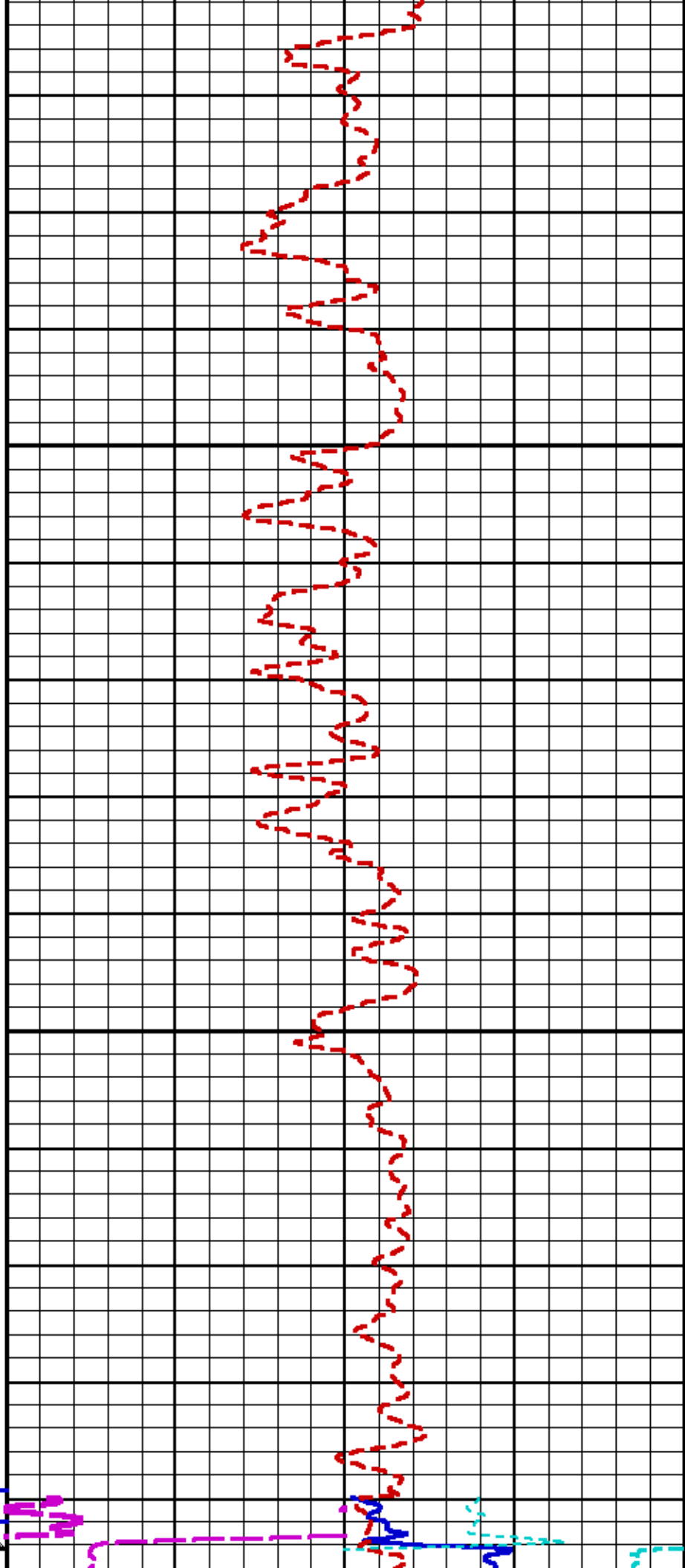


1

1

1

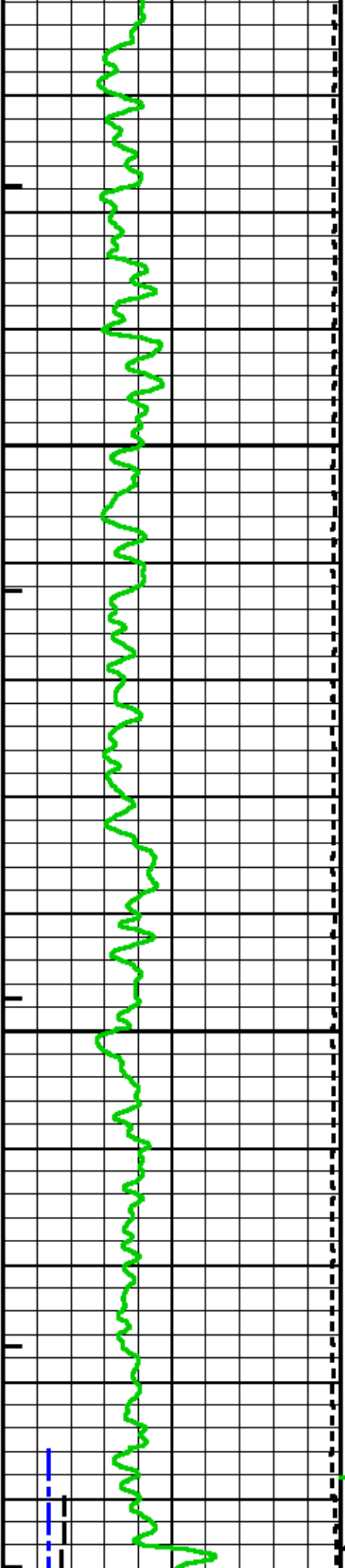
1

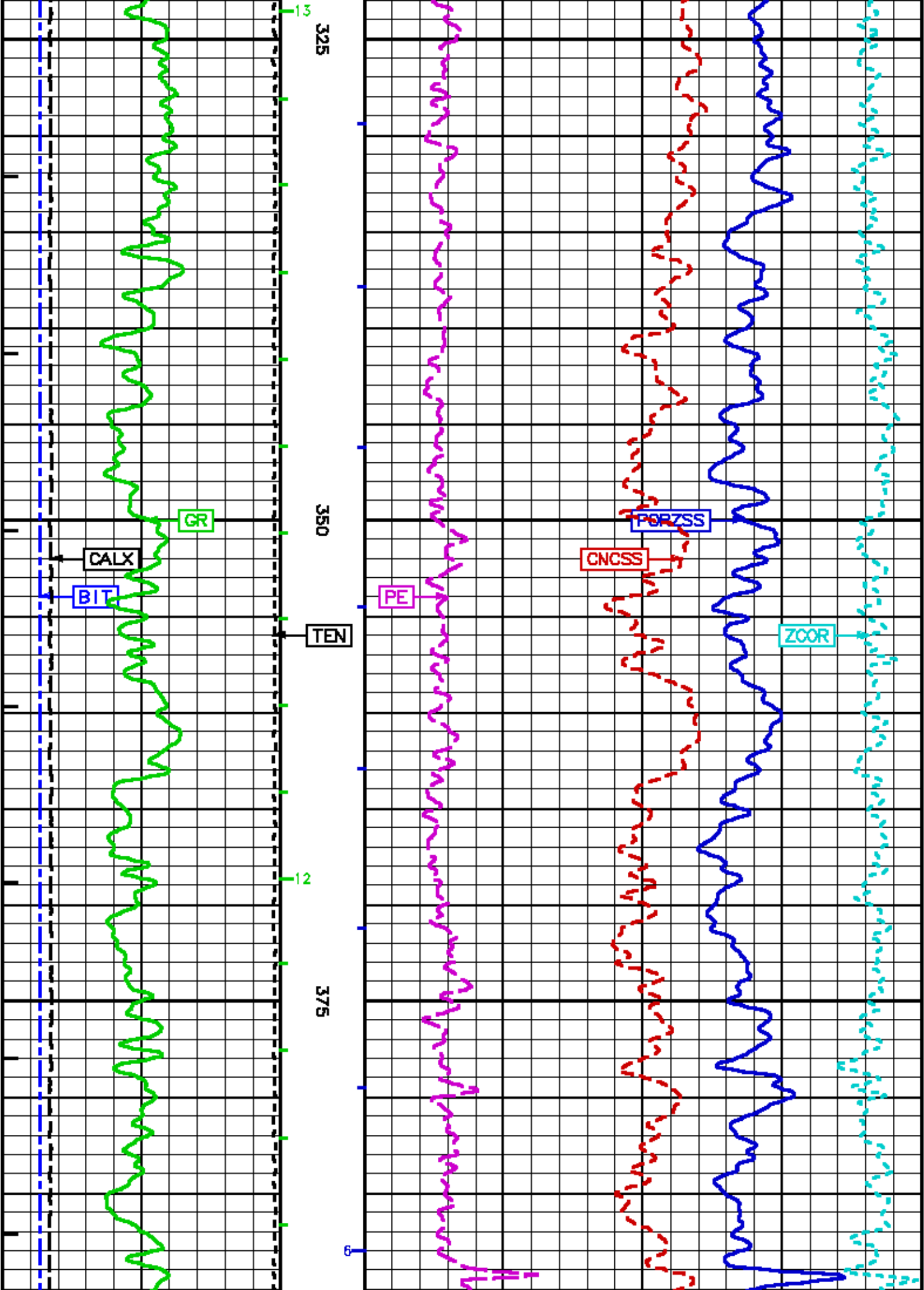


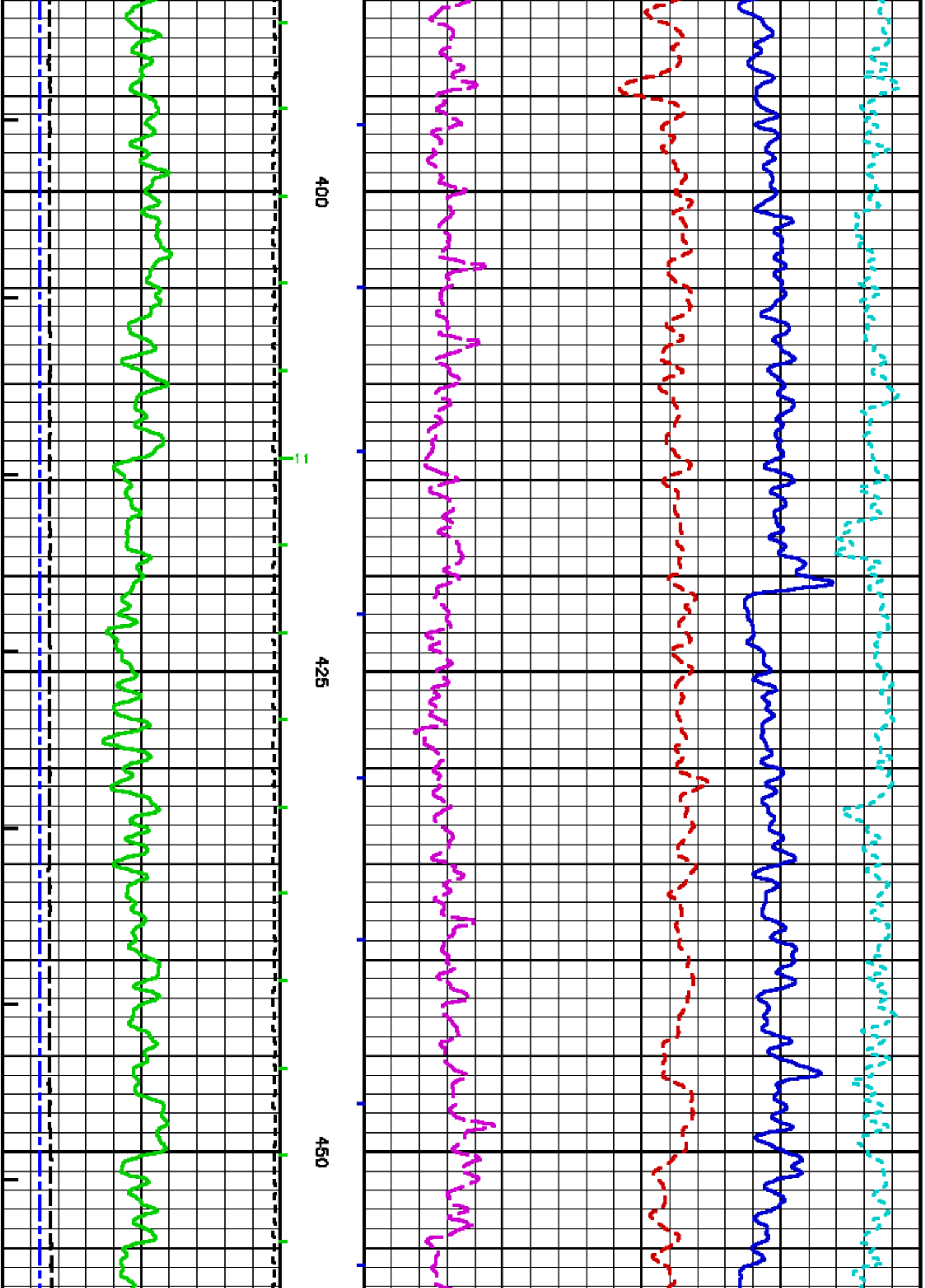
275

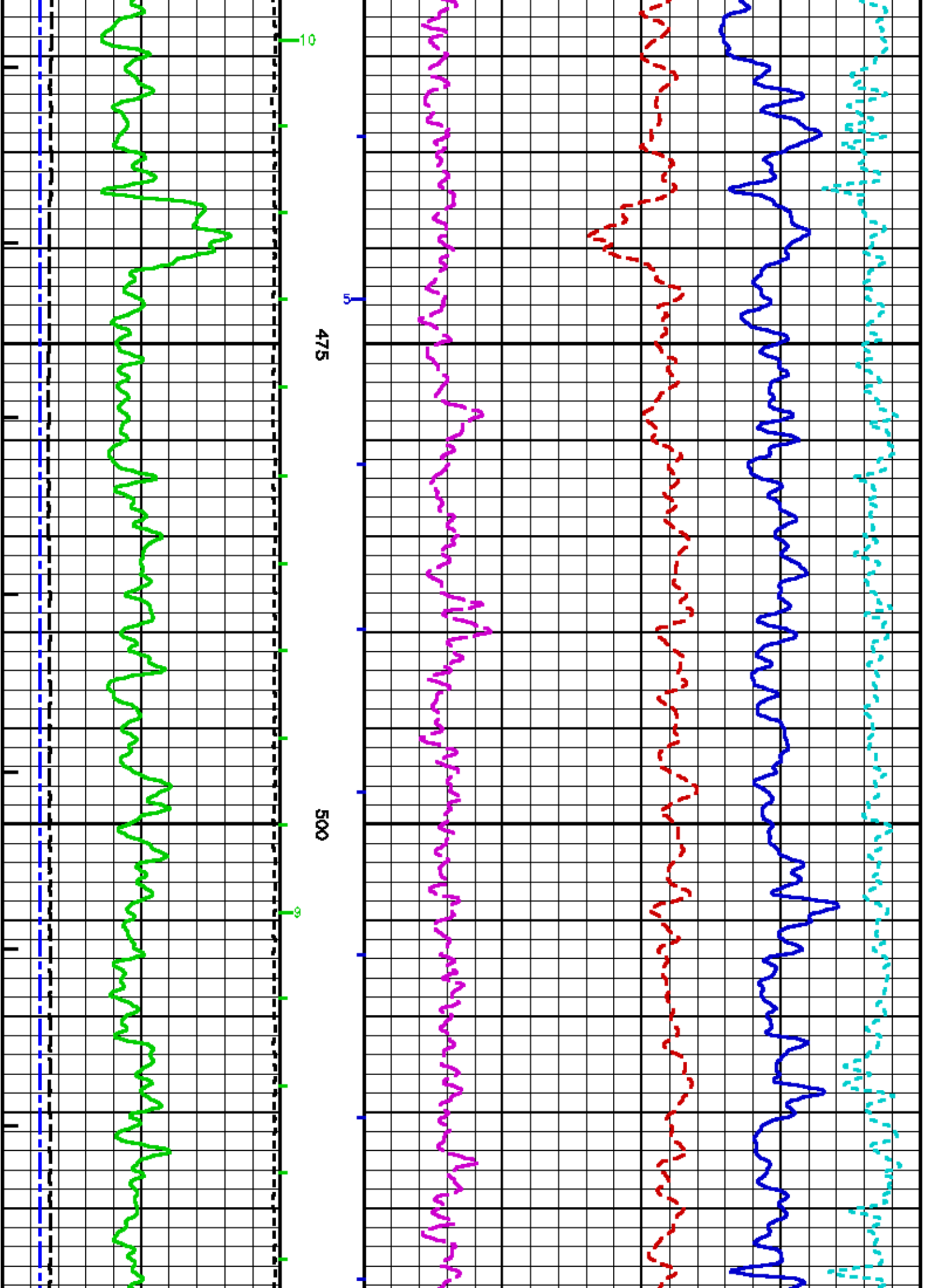
300

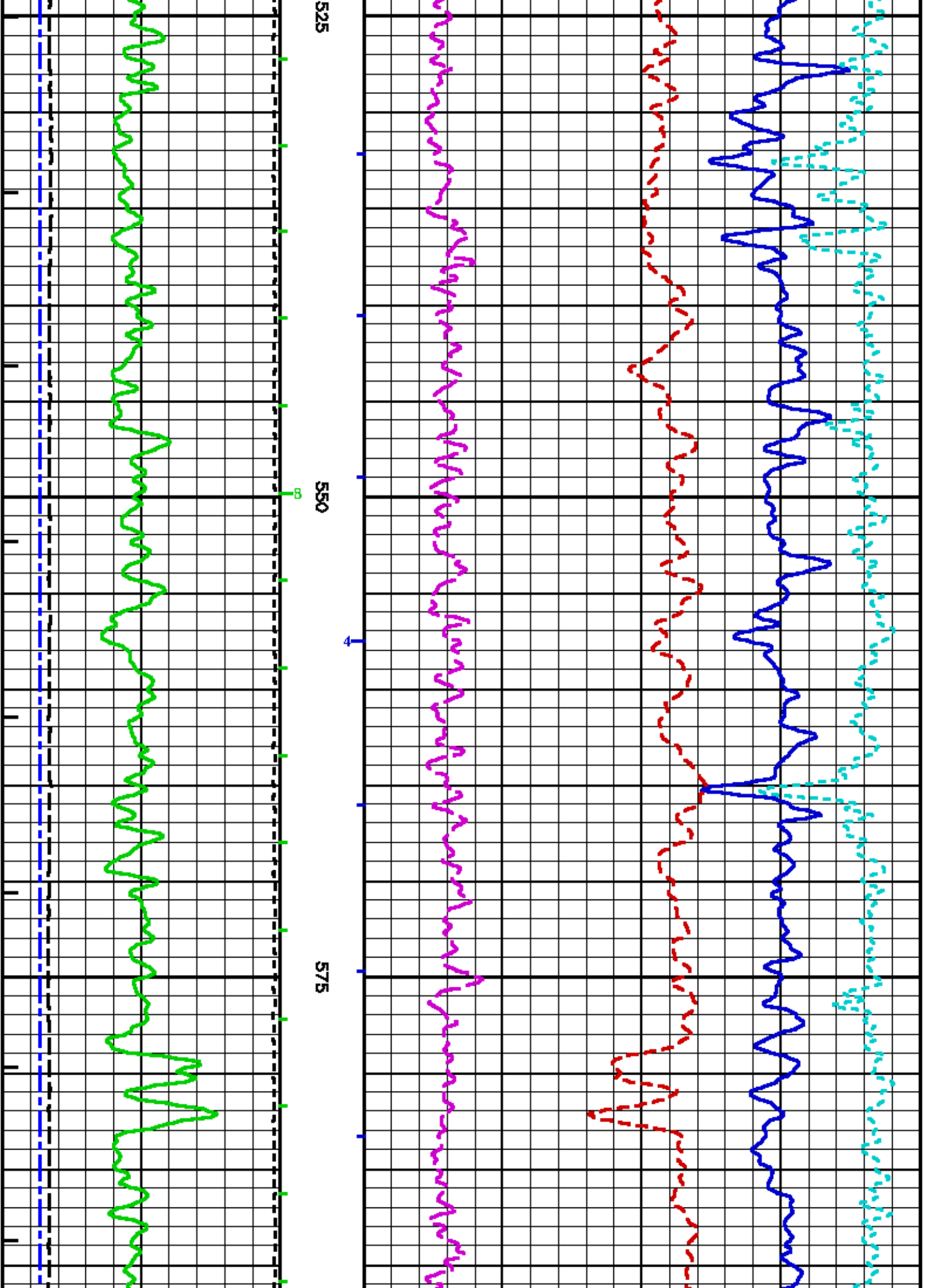
CSG

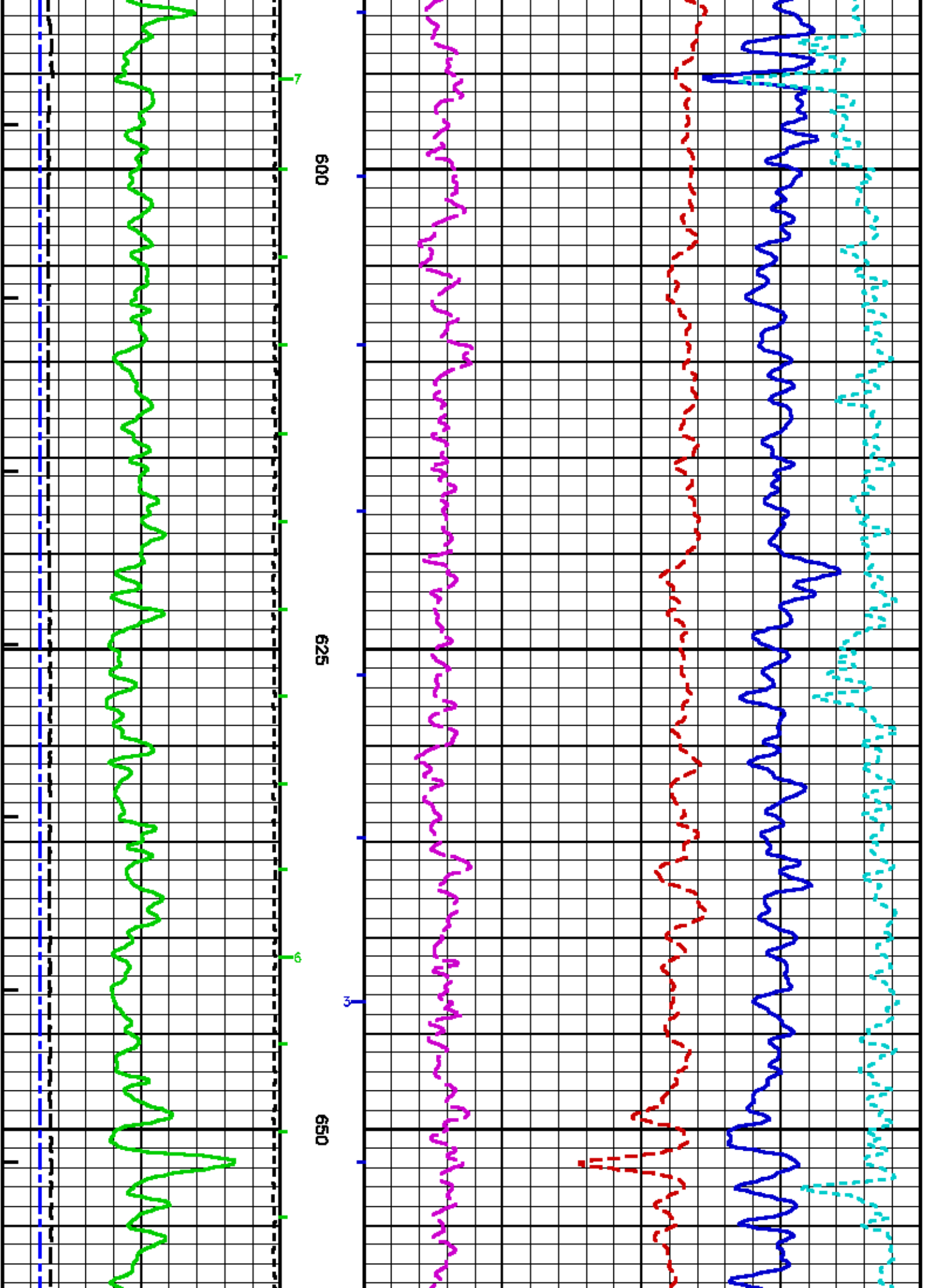


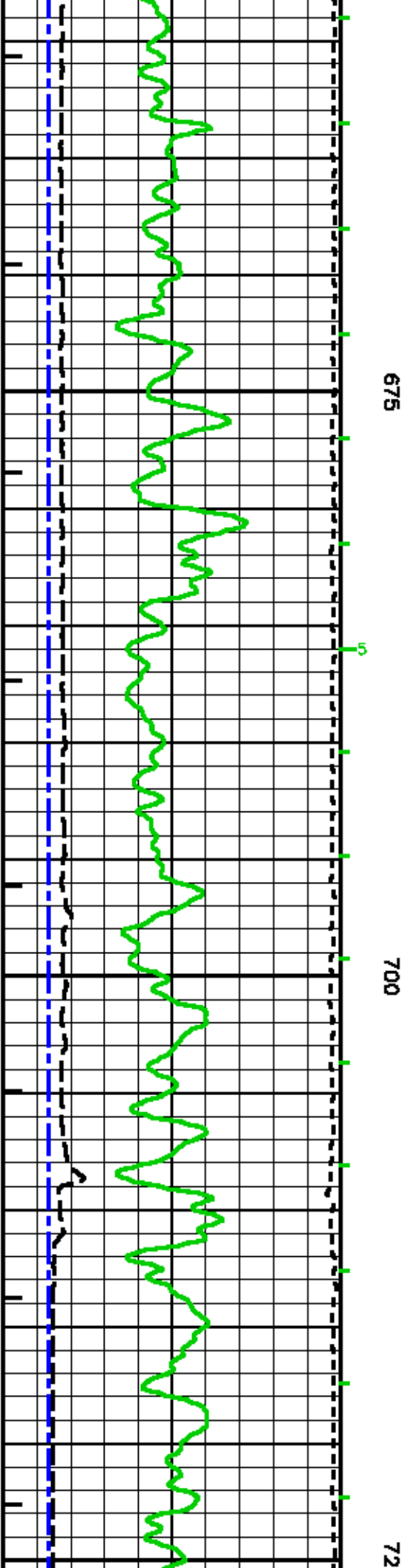
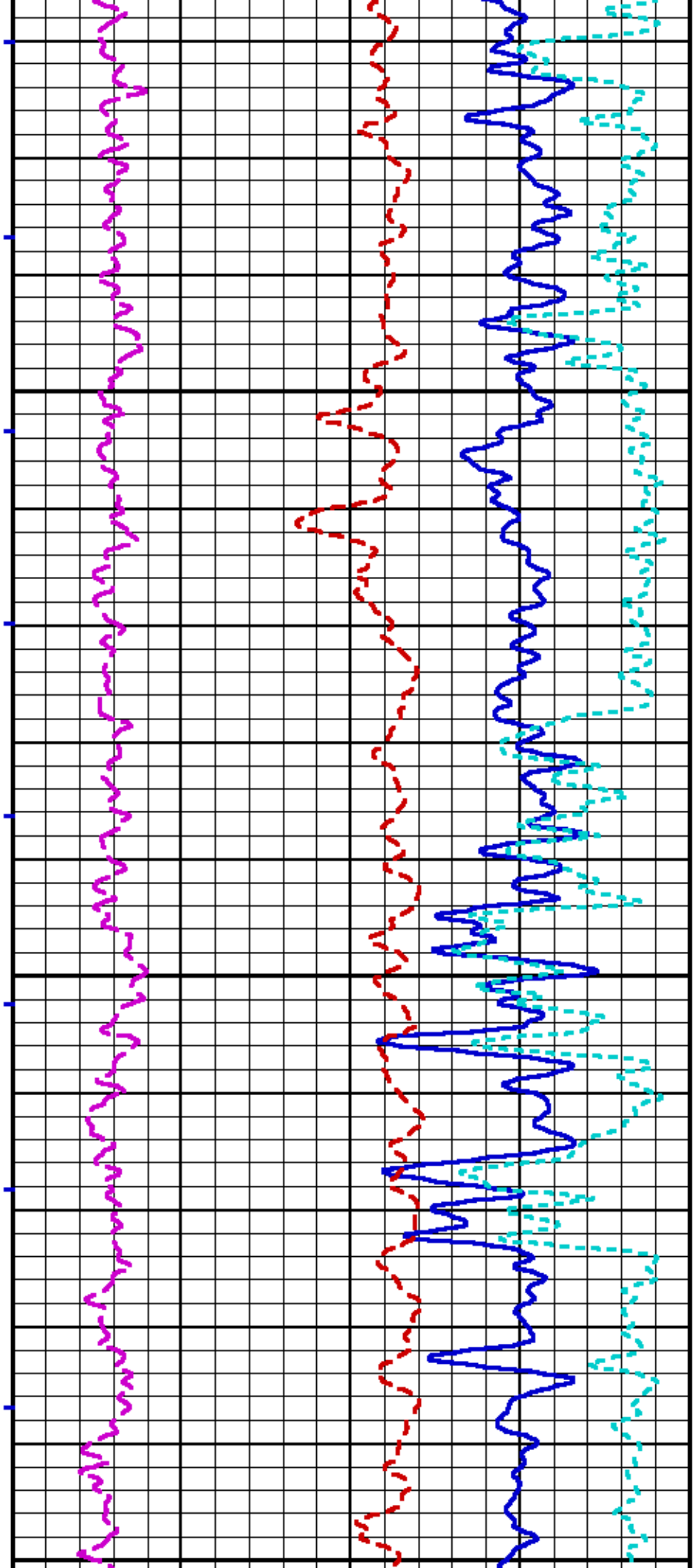


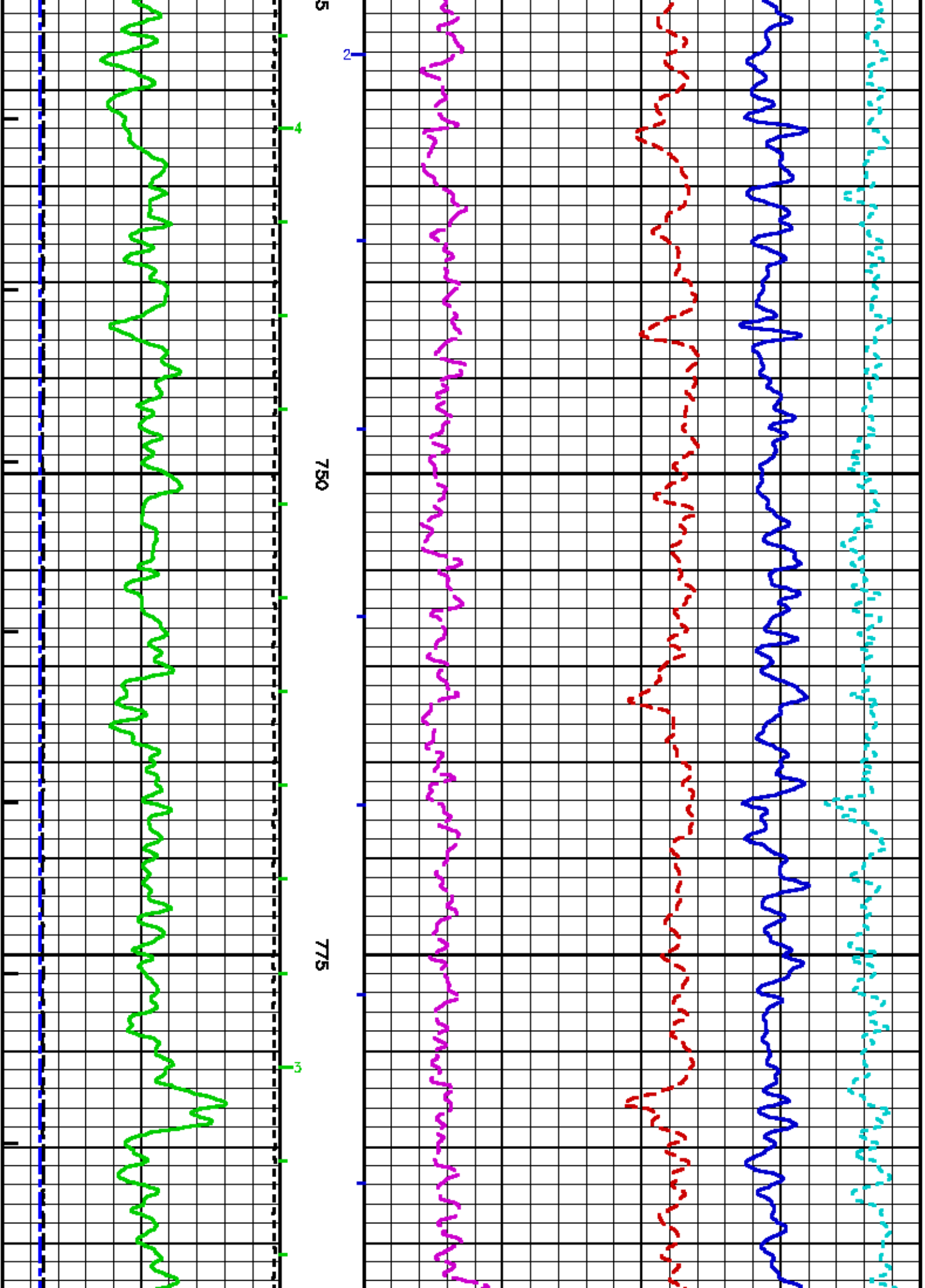


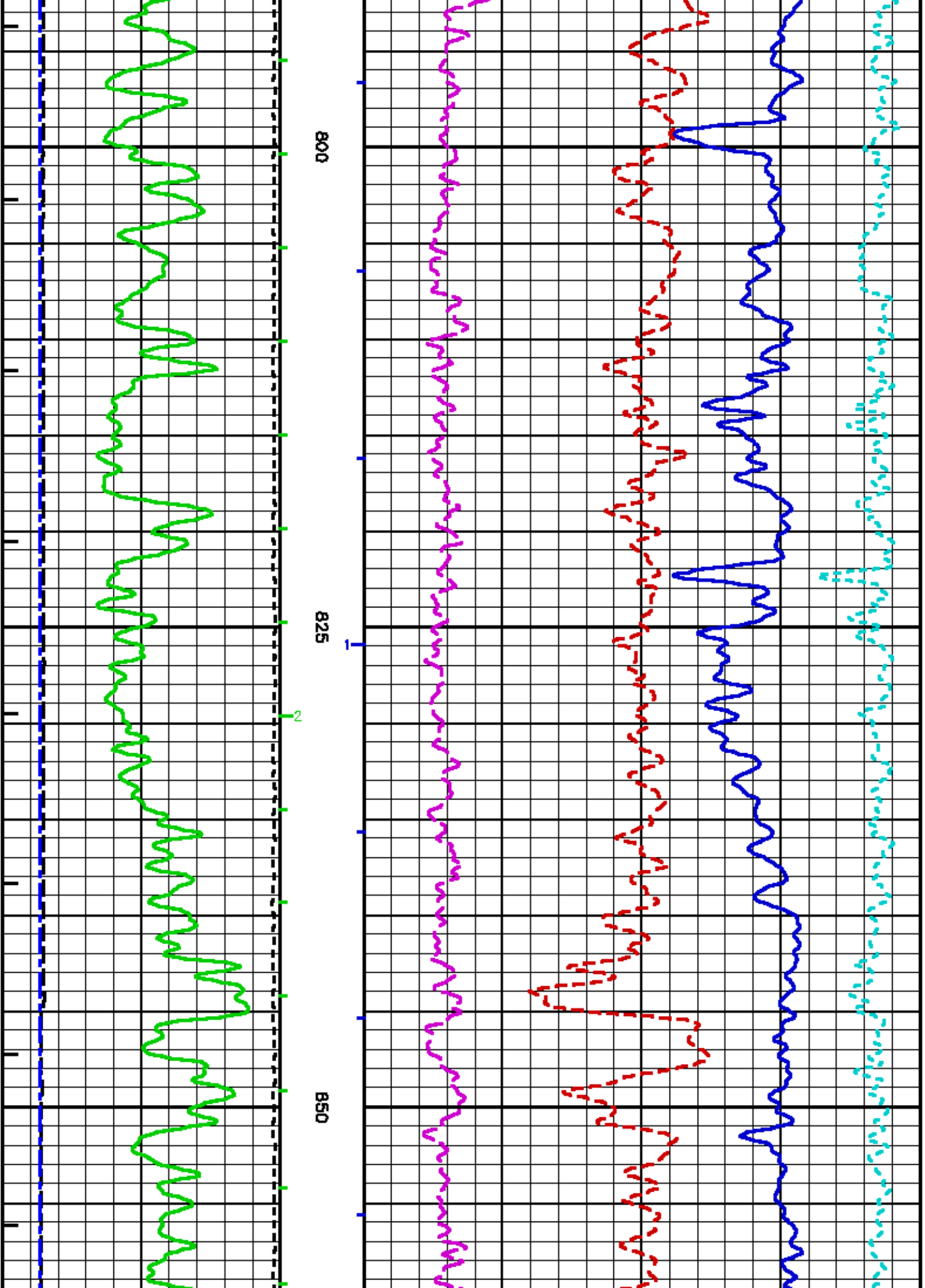


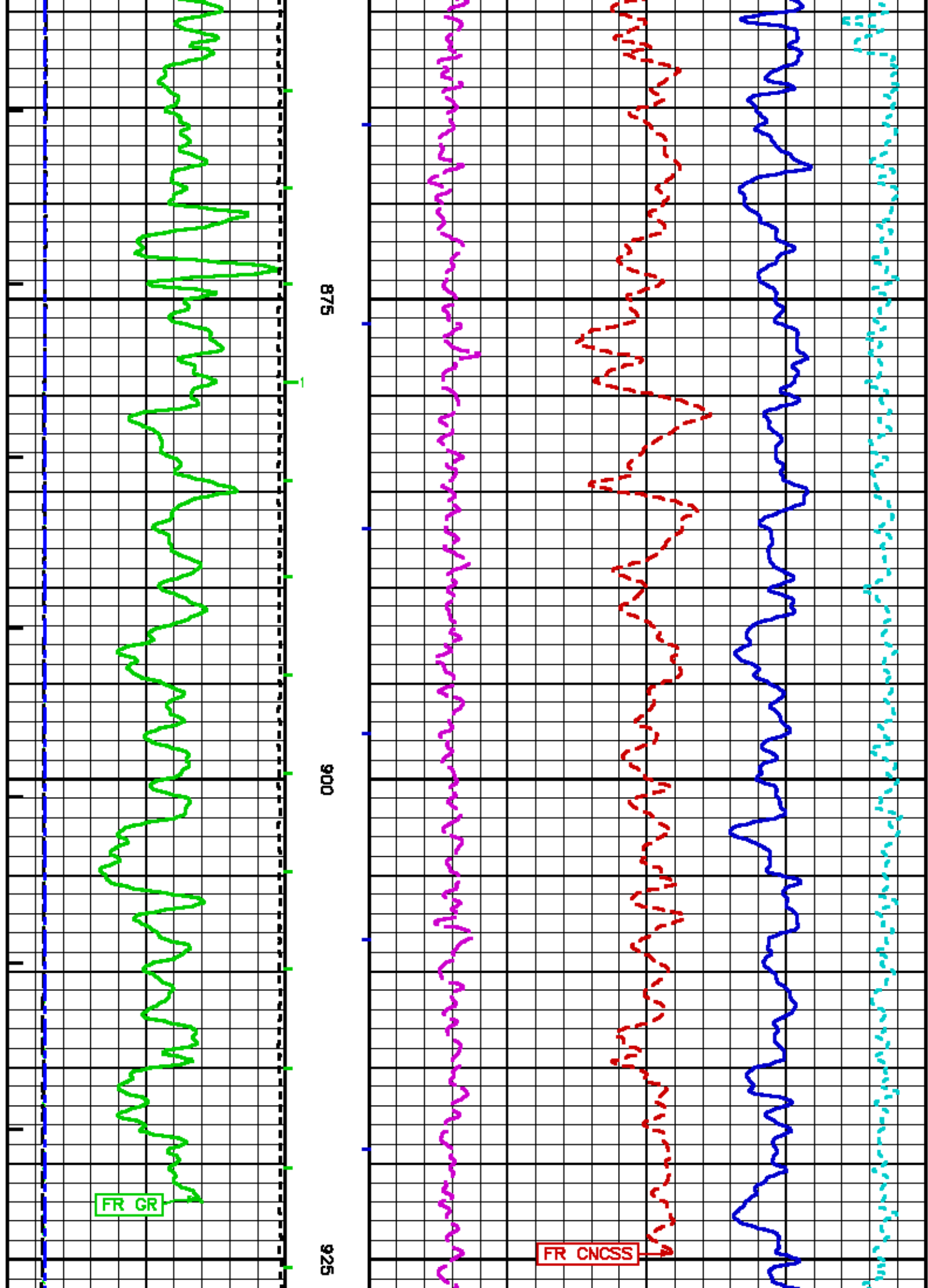


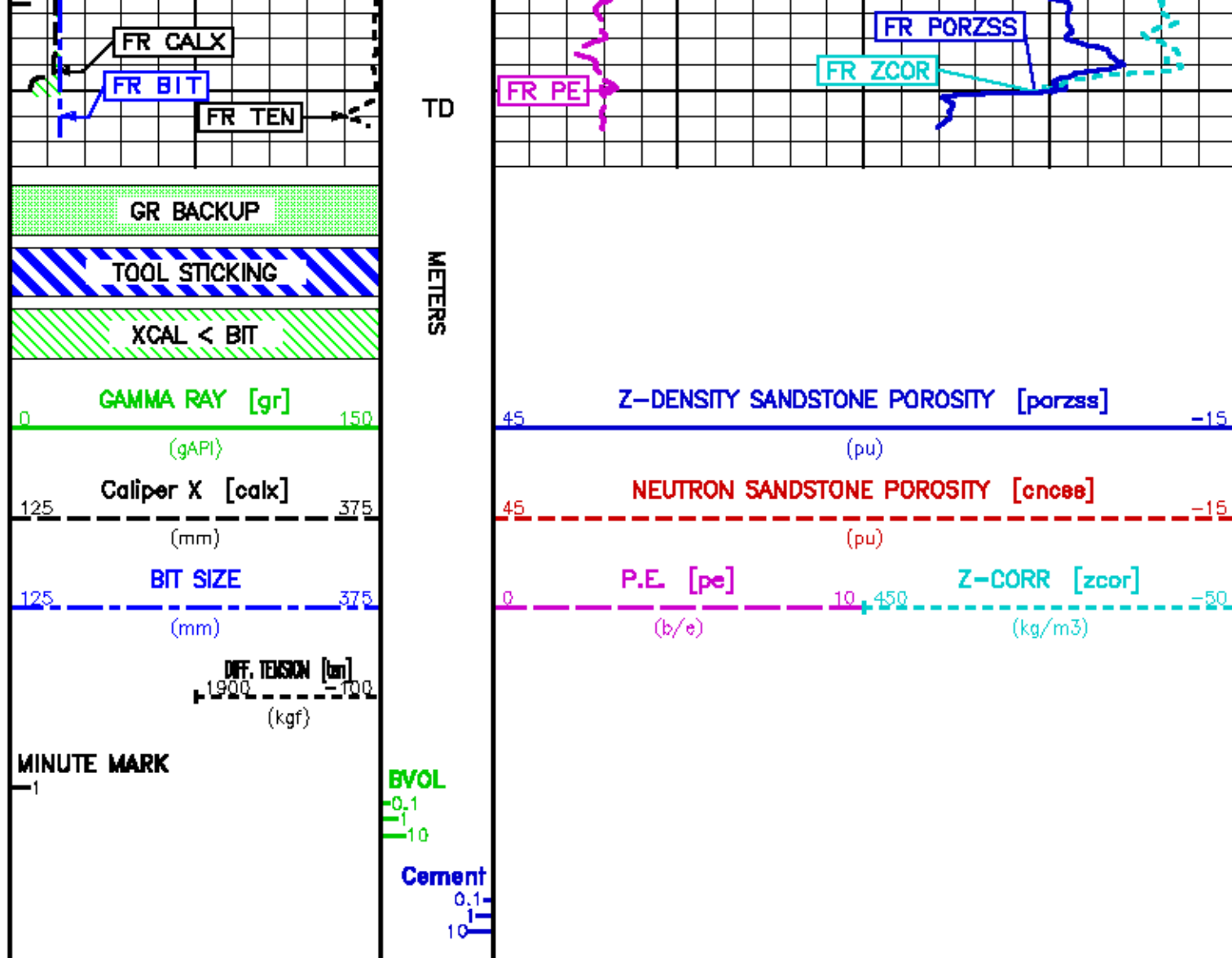












CALIBRATION / VERIFICATION SUMMARY

Source File: /dallia/pass/vul_lrs2/1777.b.lp1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Sat Apr 9 15:00:41 2005

UNIT #: 3880SA HL8616

CALB JIG #: 4702NK 01-304

	BACKGROUND	CALBTR ON	CR DIFF	MULT	BACKGROUND	CALBTR ON	CALBTR
	(cts/s)	(cts/s)	(cts/s)		(gAPI)	(gAPI)	(gAPI)
GR	376.60	1256.29	879.7	0.171	64.22	214.22	150
			870.0 880.0				

GR PRIMARY VERIFICATION SUMMARY

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Thu May 12 07:25:21 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	50.80	966.18	0.171	8.66	164.75	156.09
						140.00 180.00

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Tue Nov 22 00:59:12 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	252.91	1219.07	0.171	43.13	207.87	164.74
						148.09 188.08

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Tue Nov 22 08:41:40 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	173.93	1092.96	0.171	29.66	186.37	156.71
						154.74 174.74

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2446XA 173080

DATE/TIME PERFORMED: Fri Sep 23 16:23:00 2005

UNIT #: 3807TA 008616 CALIBRATOR #: 2437XB 1131140 SOURCE #: 4717XS 048462

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	NOMINAL SSN/LSN	CORRECTION FACTOR	POROSITY (pu)
LSN	754.45	768.36				
SSN	1980.28	2061.95				
RATIO			2.68356	2.75100	1.02513	
					0.97000 1.07000	
CN						21.358

CN PRIMARY VERIFICATION SUMMARY

TOOL #: 2446XA 173080

DATE/TIME PERFORMED: Fri Sep 23 16:31:51 2005

UNIT #: 3807TA 008616

ICE BLOCK #: 4717ND 00T-210

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1002.36	1027.09				
SSN	1253.32	1285.57				
RATIO			1.25167	1.02513	1.28436	
CN						3.255

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2446XA 173080

DATE/TIME PERFORMED: Tue Nov 22 00:56:28 2005

UNIT #: 3807TA 008616

ICE BLOCK #: 4717ND 00T-210

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	952.94	975.27				
SSN	1208.41	1238.37				
RATIO			1.26976	1.02513	1.30334	
CN						3.465 1.255 5.255

CN AFTER LOG VERIFICATION SUMMARY

TOOL #: 2446XA 173080

DATE/TIME PERFORMED: Tue Nov 22 12:54:41 2005

UNIT #: 3807TA 008616

ICE BLOCK #: 4717ND 00T-210

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	964.24	987.11				
SSN	1209.09	1239.07				
RATIO			1.25526	1.02513	1.28793	
CN						3.294 1.465 5.465

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Fri Sep 23 18:29:49 2005

UNIT #: 3807TA 008616

	SMALL RING (row)	LARGE RING (row)	MULT	ADD	SMALL RING (mm)	LARGE RING (mm)
CALIPER	1415.0	2361.5	0.16101	-75.43520	152.400	304.800

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Tue Nov 22 09:52:29 2005

UNIT #: 3807TA 008616

	I.D. (row)	MULT	ADD	I.D. (mm)
CALIPER	1542.2	0.16101	-81.71619	166.600

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Tue Nov 22 11:43:41 2005

UNIT #: 3807TA 008616

	I.D. (row)	MULT	ADD	I.D. (mm)
CALIPER	1564.2	0.16101	-81.71619	170.142
				153.900 179.300

ZDL PRIMARY CALIBRATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Fri Sep 23 17:54:07 2005

UNIT #: 3807TA 008616

CALB. BLOCK SET: 2225XA 112691

CS SOURCE #: 4703NT 001012

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
WG BLOCK (LO PE)	10938.9	4475.3	5445.4	0.676 0.625 0.725	1691.000	9.000	2.187
AL BLOCK	5490.5	457.6	582.0		2683.000	-12.000	
AL+SHIM (CORR)	7624.1	803.4	987.2		2607.000	169.000	
MG+SHIM (HI PE)		2152.7	2766.9	0.281			10.177

RATIO MG/AL

1.99	9.78	9.36
1.97	2.07	8.83
	10.40	8.75

0.280 0.310

BACKGROUND (cts/s)	CS PEAK CHANNEL #	AM PEAK CHANNEL #
952.7	228.2	23.1
	225.0	235.0
	21.0	25.0

ZDL PRIMARY VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Fri Sep 23 18:02:40 2005

UNIT #: 3807TA 008616

VERI. JIG #: 4704NA 1120/1128

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
FIELD BLOCK	8710.0	1853.1	4424.2	0.186	1829.779	-71.057	15.527

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Tue Nov 22 01:31:46 2005

UNIT #: 3807TA 008616

VERI. JIG #: 4704NA 1120/1128

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
FIELD BLOCK	8508.9	1829.7	4383.8	0.183	1815.373	-90.086	15.712
				0.186	0.208	1804.779 1864.779	-96.057 -46.067

ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Tue Nov 22 13:04:41 2005

UNIT #: 3807TA 008616

VERI. JIG #: 4704NA 1120/1128

	SSD-NDTC (cts/s)	HRD1-NDTC (cts/s)	HRD2-NDTC (cts/s)	SHR	DEN (kg/m3)	CORR (kg/m3)	PE (b/e)
FIELD BLOCK	8564.1	1854.0	4386.9	0.188	1818.150	-85.277	15.423
				0.183	0.203	1790.373 1840.373	-115.086 -65.066



COMPANY
WELL
FIELD
PROVINCE

VULCAN MINERALS INC.
HURRICANE NO. 2 (WHIP #1)
BAY ST. GEORGE
NEWFOUNDLAND

FILE NO:

API NO:

LOCATION:

ELEVATIONS:

Baker Atlas



LIC: 03-107
WESTERN NEWFOUNDLAND
ST. GEORGES BAY

LAT 48.267700 N LONG 58.67226 W

KB 138.3 M
DF
GL 135.0 M

DATE 13-DEC-2005