



FILE NO:	COMPANY	LARAMIE ENERGY
API NO:	WELL	BRUTON 30-02E
05077103700000	FIELD	VEGA
	COUNTY	MESA
		STATE COLORADO

Ver. 4.06	LOCATION:	OTHER SERVICES
	SHL: LAT:39.255232N, LONG:107.806537W	RAL
	BHL: LAT:39.254394N, LONG:107.806907W	
	SEC 30 TWP 9S RGE 93W	

PERMANENT DATUM	GL	ELEVATION	7425 FT	ELEVATIONS:
LOG MEASURED FROM	KB	24 FT	ABOVE P.D.	KB 7449 FT
DRILL MEAS. FROM	KB			DF 7448 FT
				GL 7425 FT

DATE		06-JUL-2017			
RUN	TRIP	1	2		
SERVICE ORDER		US109818			
DEPTH DRILLER		7609 FT			
DEPTH LOGGER		7522 FT			
BOTTOM LOGGED INTERVAL		7522 FT			
TOP LOGGED INTERVAL		2273 FT			
TIME STARTED		13:00			
TIME FINISHED		19:00			
OPERATOR RIG TIME		6 HRS			
TYPE OF FLUID IN HOLE		WATER			
FLUID DENSITY		9.3 LB/G			
FLUID SALINITY		NA			
FLUID LEVEL		62 FT			
LOGGED CEMENT TOP		NA			
WELLHEAD PRESSURE		0 PSI			
MAXIMUM HOLE DEVIATION		NA			
NOMINAL LOGGING SPEED		15 F/MN			
MAX. RECORDED TEMP.		238.5 DEGF			
REFERENCE LOG		BAKER HUGHES GR/CBL			
REFERENCE LOG DATE		04-JUL-2017			
EQUIP. NO.	LOCATION	HL-6670	WOODWARD		
RECORDED BY		S.YASSA			
WITNESSED BY		MR. CHUCK MALLARY			

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 2: *2 OPERATION IN WELL*
**OPERATION 2: RPM/GR/CCL **
LOGGED WITH 0 PSI AT THE WELLHEAD
SJ: 6701'-6723'
SJ: 5723'-5745'
CREW: J.PENA, A.STEVEN

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	2	TELEMETRY	8250 EA/8248 ED	10154470/10323398	FREE
1	2	GAMMA RAY	8262 XA	10414345	FREE
1	2	RPM ELEC	8281 EA	10389421	FREE
1	2	RPM	8283 PA/8281 FA	10414345/10401926	FREE
1	2	TEMP	8255 XA	120516	FREE

G-SAND SECTION PNC 3D MODE

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 1 Patches: 9

Plotted: Thu Jul 6 19:43:45 2017

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/LARAMIE_BRUTON_30_02E/RPM3D03.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 2265.000 ft BOTTOM DEPTH: 2904.000 ft

SYMMETRIC FILTER

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

RPM PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
PNC Parameters	BOREHOLE CONTENTS	FLUID		TOP BOTTOM
	OPEN/CASED HOLE	CASED HOLE		" "
	BOREHOLE SIZE	8.75	in	" "
	CASING SIZE	4.50	in	" "
	MATRIX	SANDSTONE		" "
	CORRECTION BUFFER	11		" "

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 6 18:58:08 2017	CASING COLLAR LOCATOR
F1:GR	Jul 6 18:58:08 2017	GAMMA RAY
F1:ISS	Jul 6 18:58:08 2017	INELASTIC SHORT SPACE COUNT RATE
F1:LS	Jul 6 18:58:08 2017	LONG SPACE COUNT RATE
F1:RATO	Jul 6 18:58:08 2017	SHORT/LONG SPACE COUNT RATE RATIO
F1:RICS	Jul 6 18:58:08 2017	SHORT SPACE INELASTIC TO CAPTURE COUNT RATE RATIO (ISS/CSS)
F1:SGFC	Jul 6 18:58:08 2017	CORRECTED FORMATION SIGMA
F1:SS	Jul 6 18:58:08 2017	SHORT SPACE COUNT RATE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	26.00	ISS	12.75	RATO	12.75	SGFC	12.75
GR	23.00	LS	12.75	RICS	12.75	SS	12.75

Presentation : cpu100:rpm_pnc3d+01-GSAND_20_02E-5.fvpdf [5"/100' Scale]
Plot Interval : 2240.25 - 2895.25 Feet

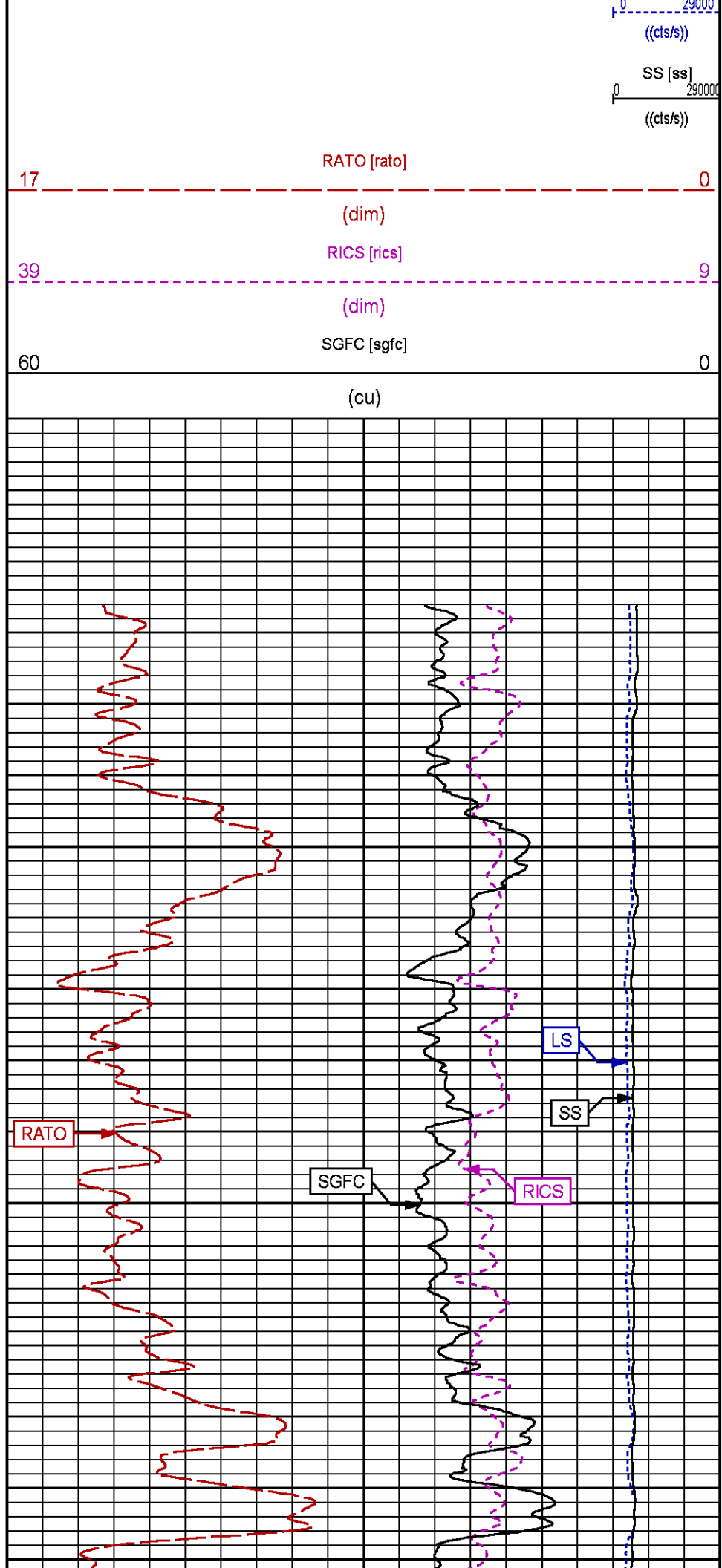
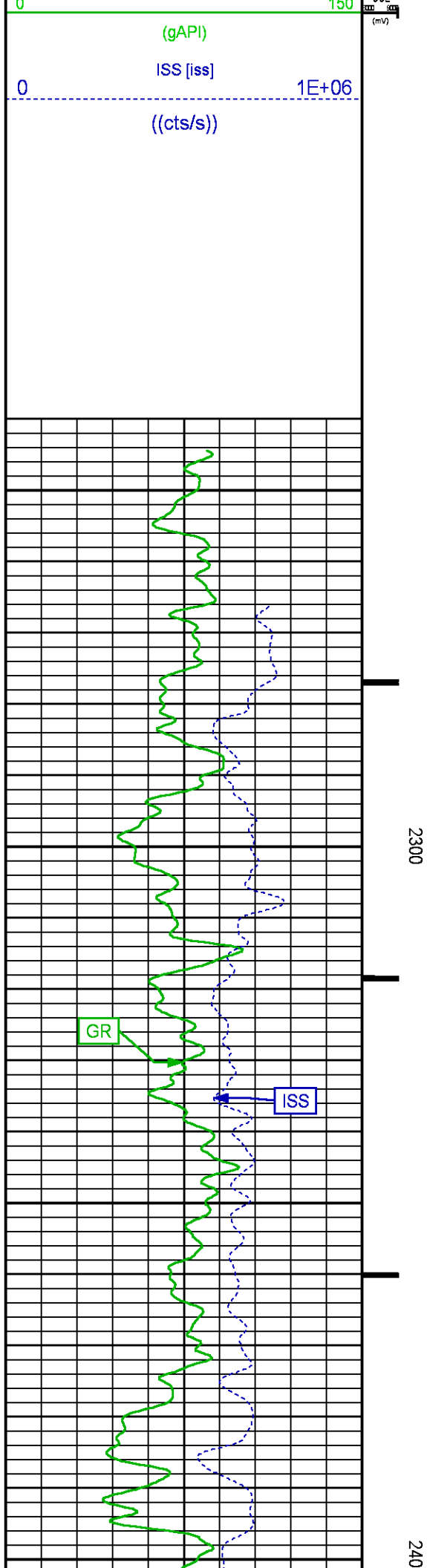
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Created On : Jul 6 18:58:08 2017
Company : LARAMIE ENERGY
Well : BRUTON 30-02E
Field : VEGA
File Interval : 2239.5 - 2905.25 Feet
OCT : RPM3D

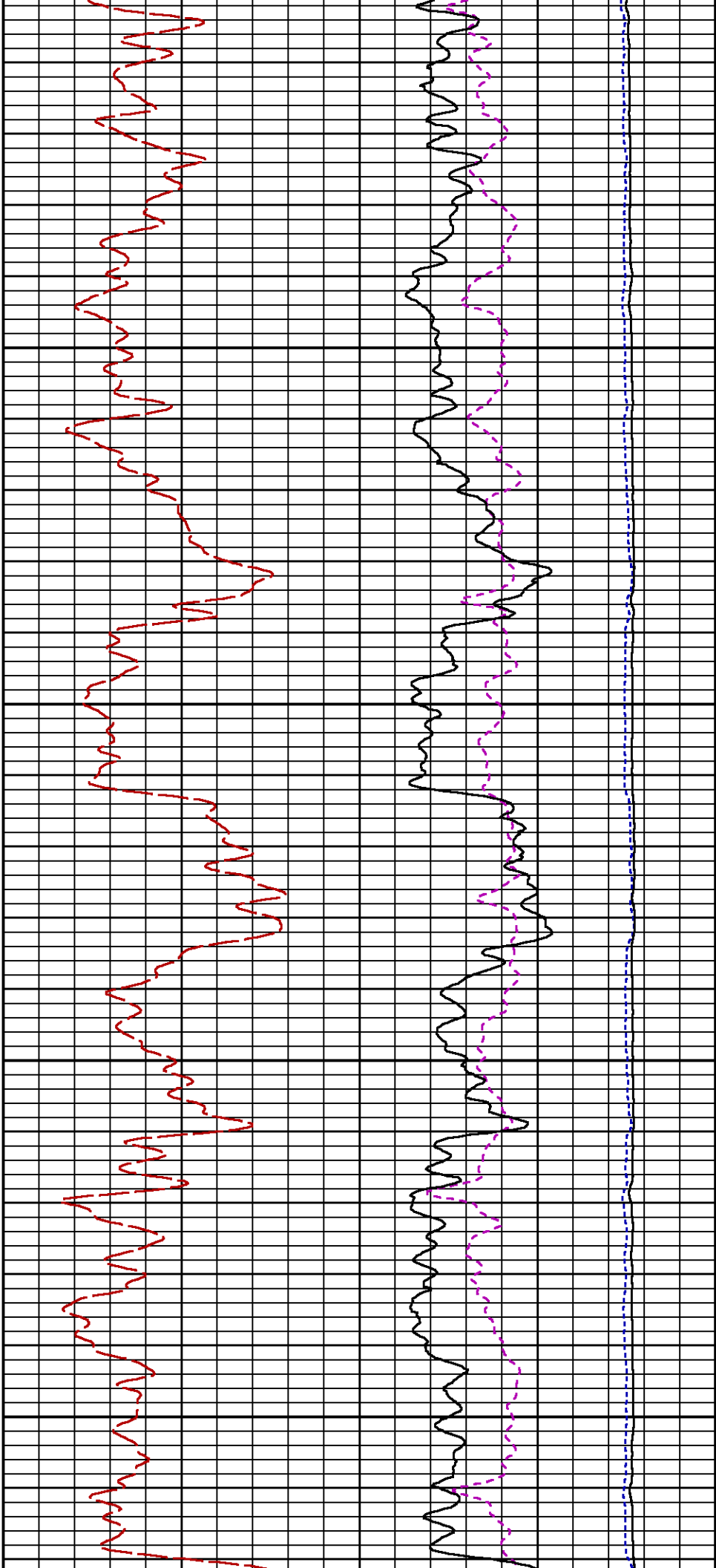
GR BACKUP

GAMMA RAY [gr]

FEET

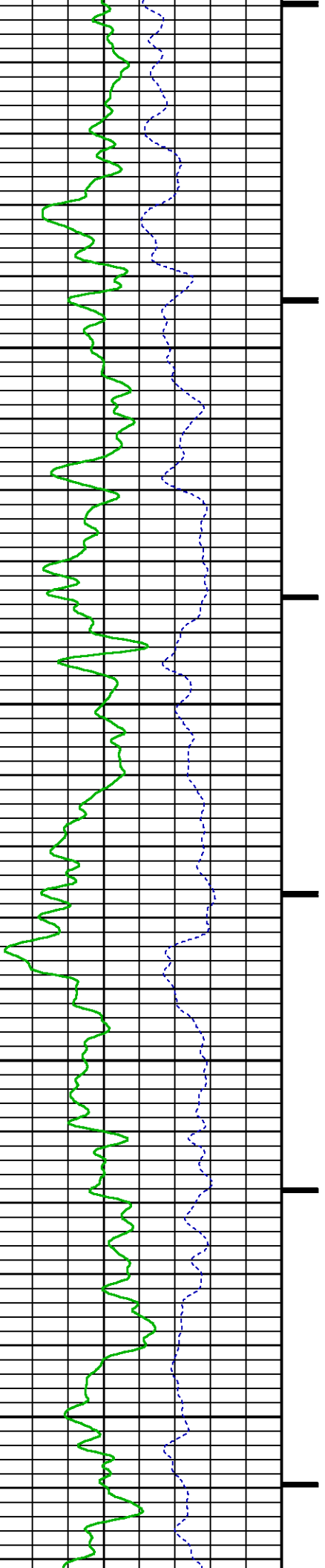
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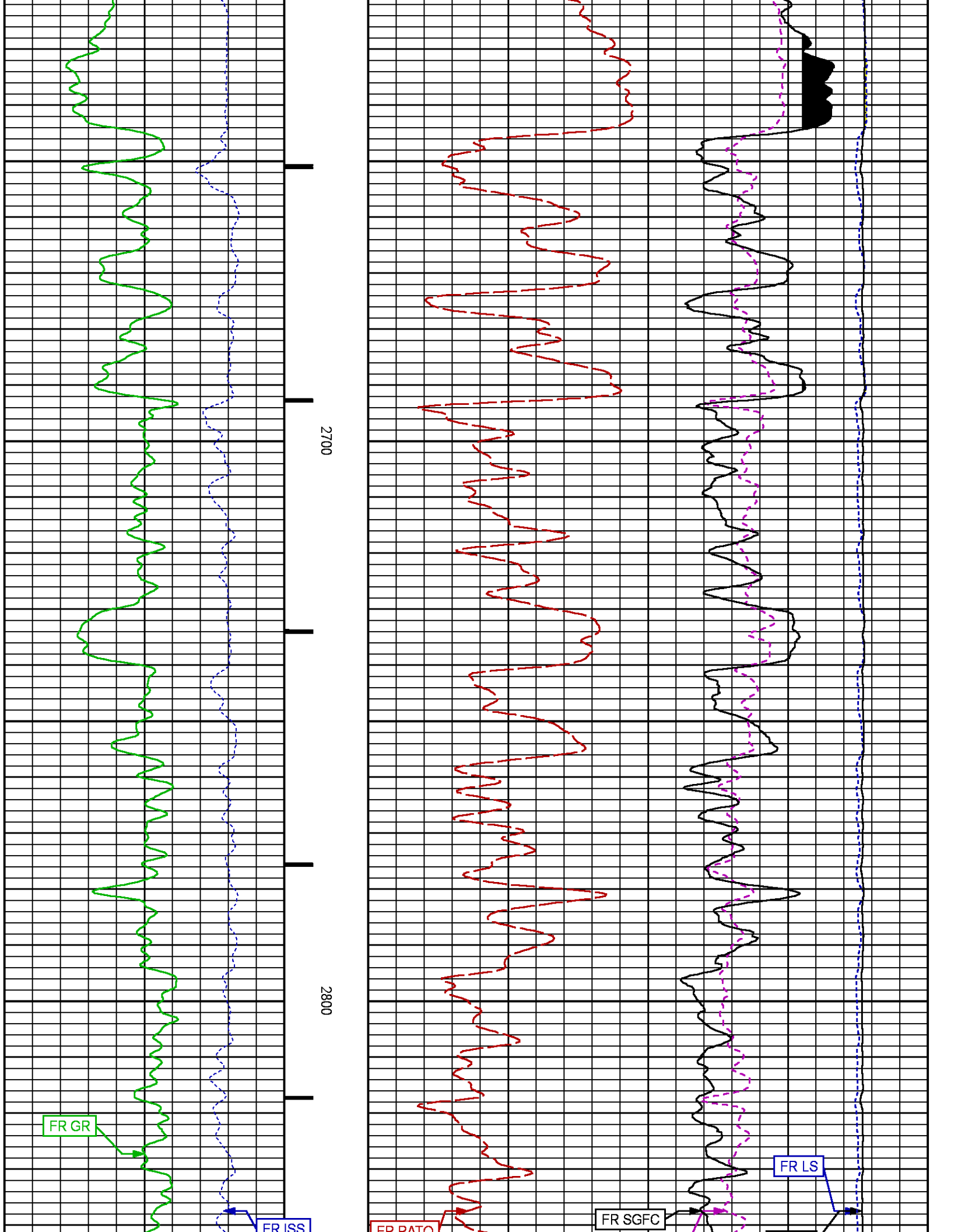


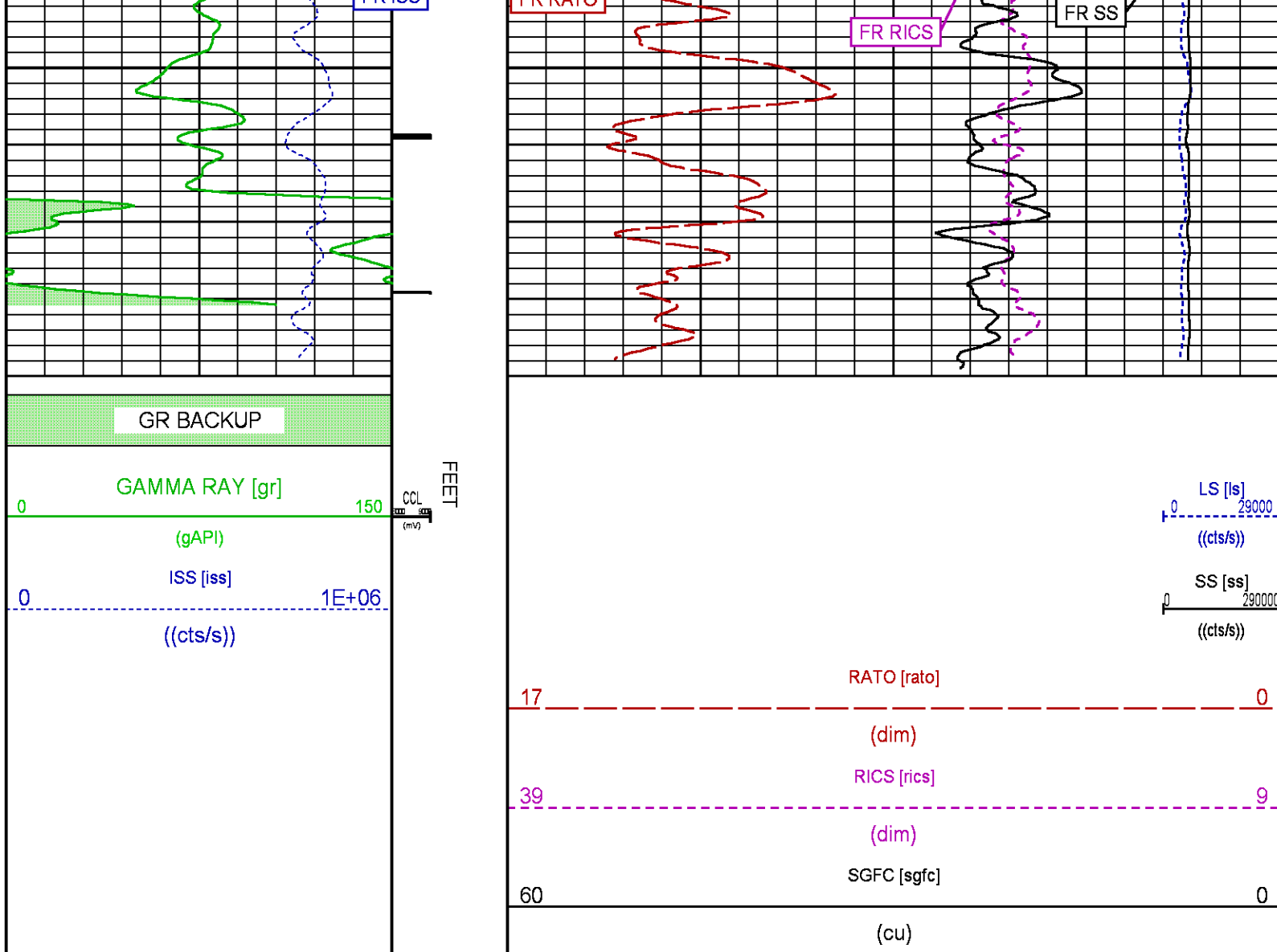


0 2500

2600







MAIN PNC 3D MODE

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 9

Plotted: Thu Jul 6 19:04:55 2017

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/LARAMIE_BRUTON_30_02E/RPM3D02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 4021.500 ft BOTTOM DEPTH: 7524.435 ft

SYMMETRIC FILTER

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

RPM PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
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PNC Parameters	BOREHOLE CONTENTS	FLUID	TOP	BOTTOM
	OPEN/CASED HOLE	CASED HOLE	"	"
	BOREHOLE SIZE	8.75	in	"
	CASING SIZE	4.50	in	"
	MATRIX	SANDSTONE	"	"
	CORRECTION BUFFER	11	"	"

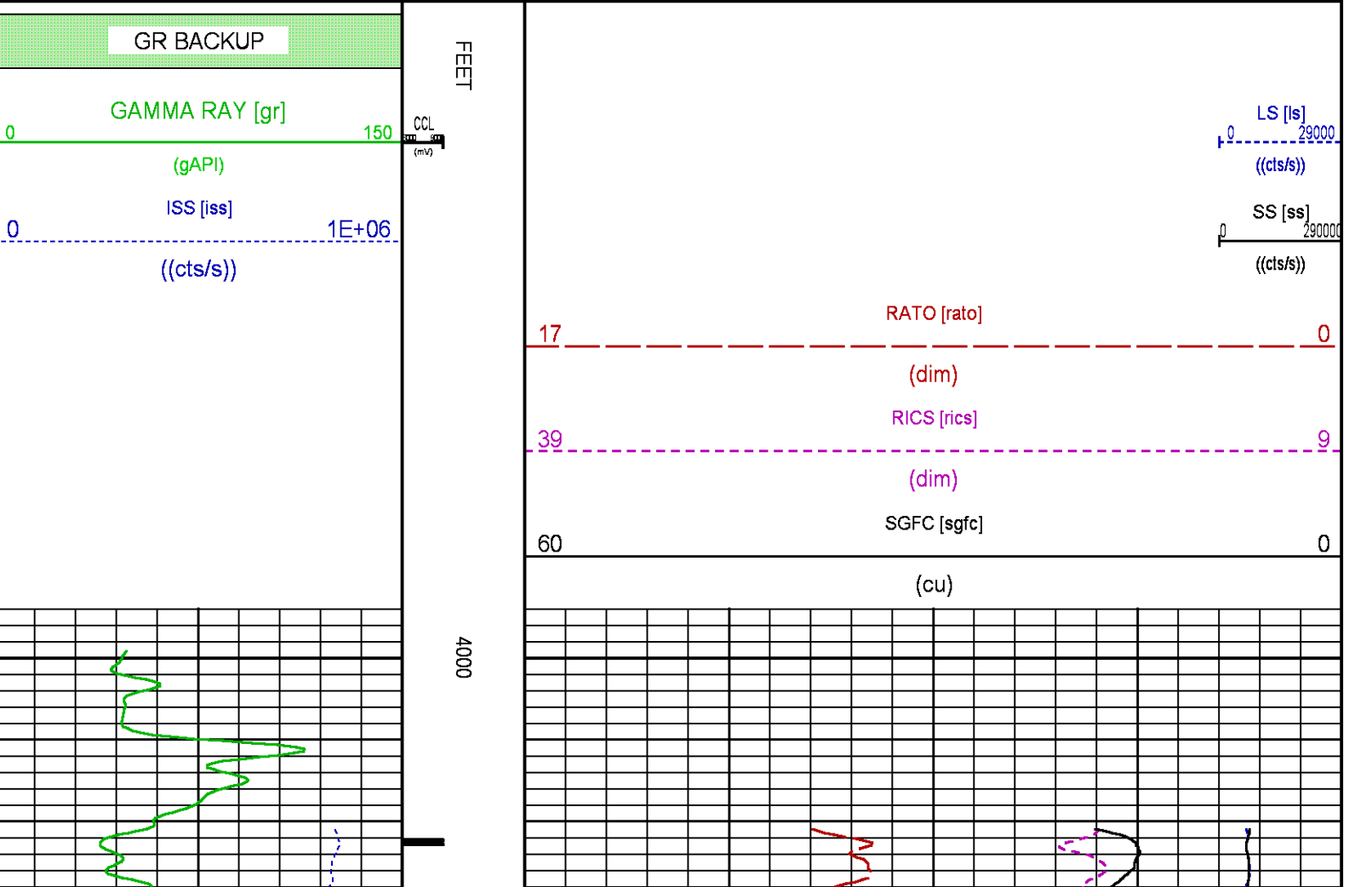
CURVE DESCRIPTION REPORT

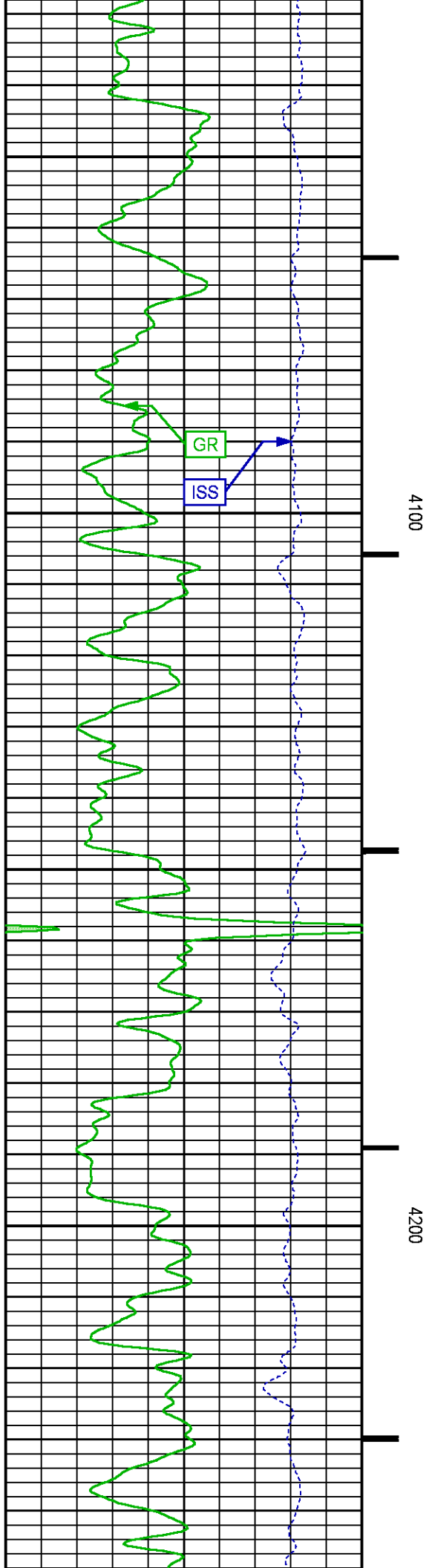
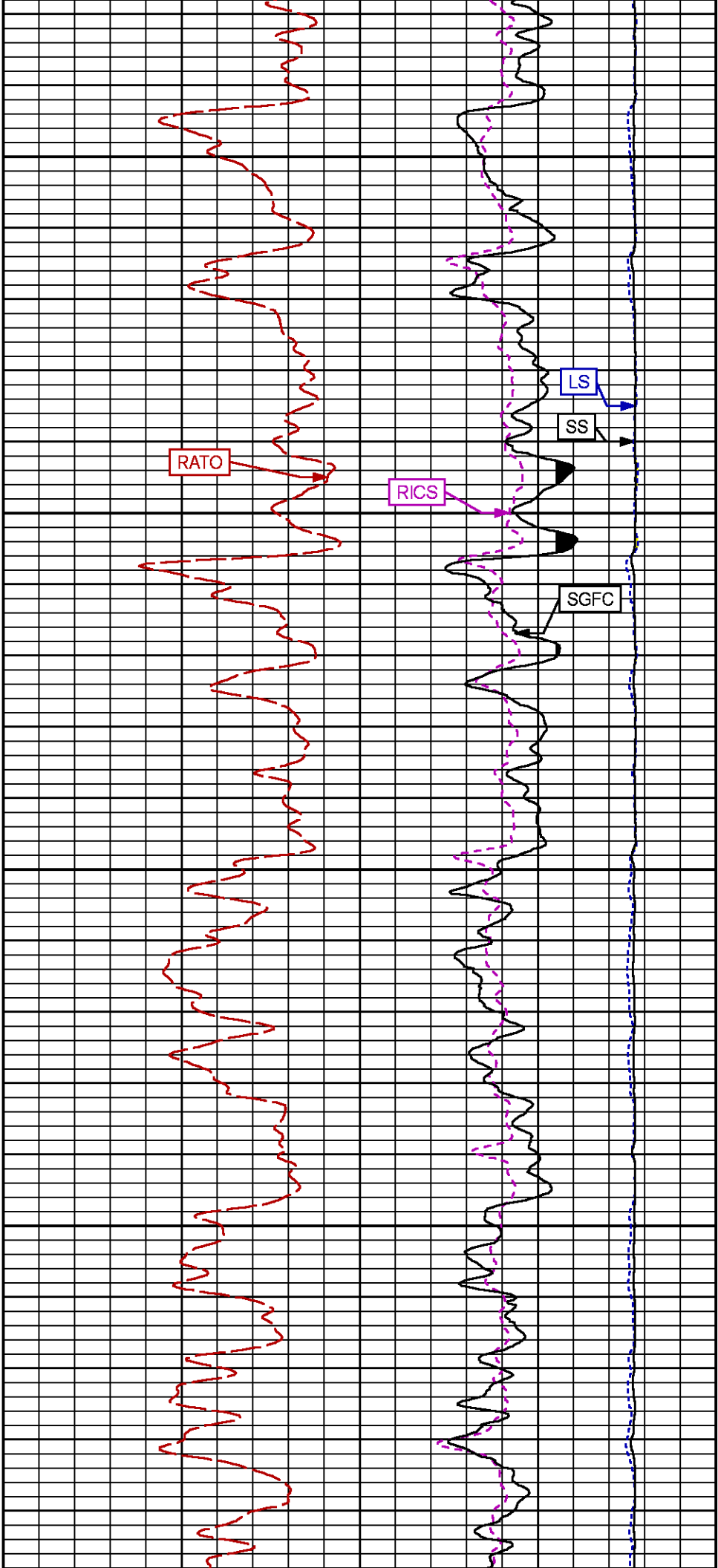
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 6 15:14:32 2017	CASING COLLAR LOCATOR
F1:GR	Jul 6 15:14:32 2017	GAMMA RAY
F1:ISS	Jul 6 15:14:32 2017	INELASTIC SHORT SPACE COUNT RATE
F1:LS	Jul 6 15:14:32 2017	LONG SPACE COUNT RATE
F1:RATO	Jul 6 15:14:32 2017	SHORT/LONG SPACE COUNT RATE RATIO
F1:RICS	Jul 6 15:14:32 2017	SHORT SPACE INELASTIC TO CAPTURE COUNT RATE RATIO (ISS/CSS)
F1:SGFC	Jul 6 15:14:32 2017	CORRECTED FORMATION SIGMA
F1:SS	Jul 6 15:14:32 2017	SHORT SPACE COUNT RATE

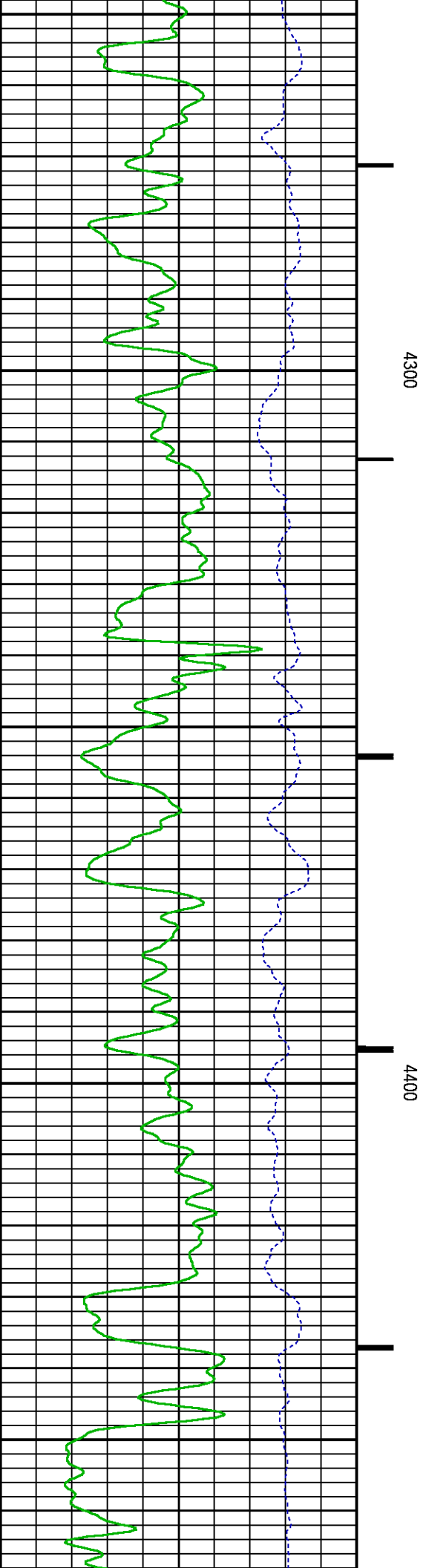
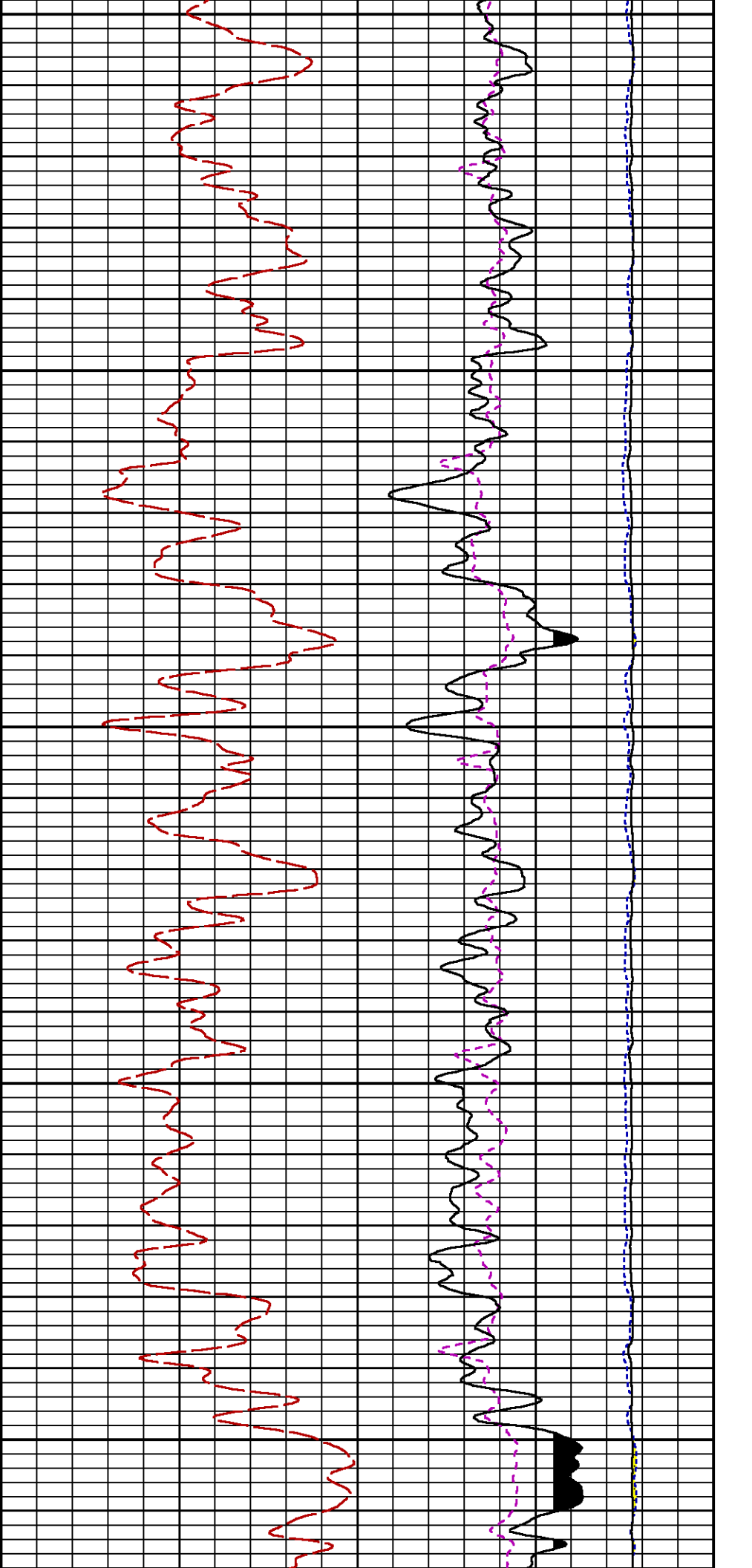
CURVE MEASURE POINT OFFSET

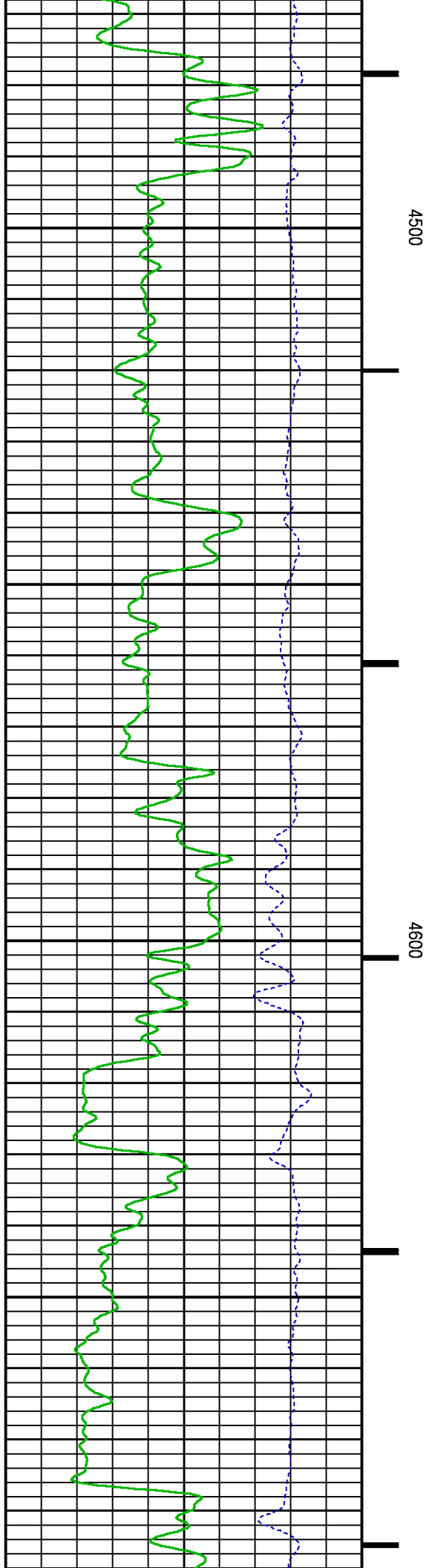
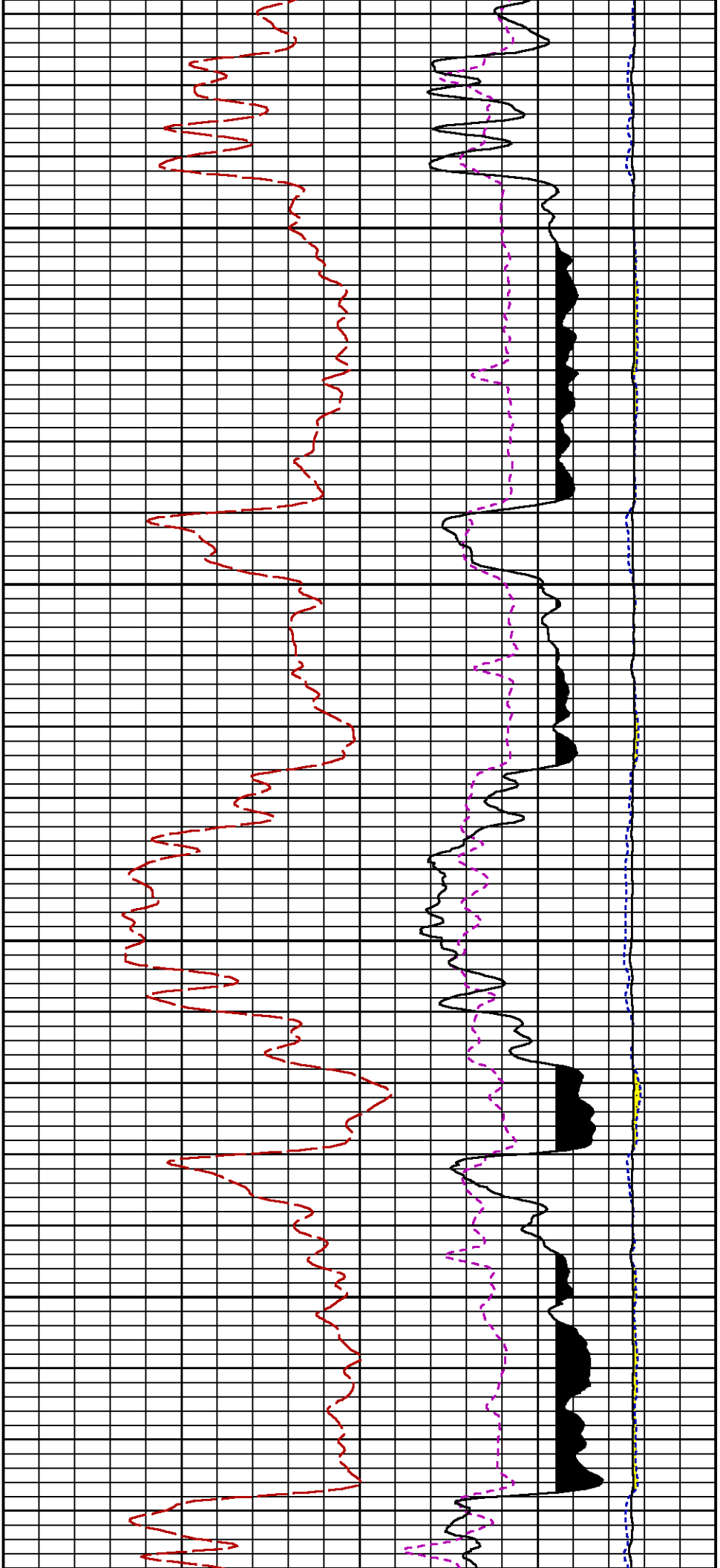
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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GR	23.00	LS	12.75	RICS	12.75	SS	12.75

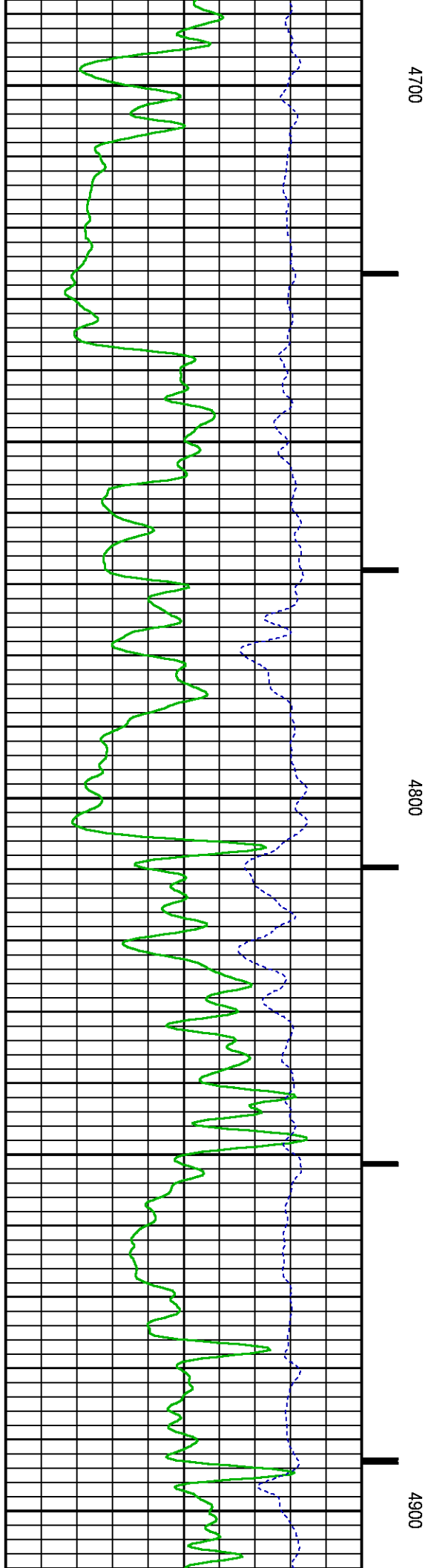
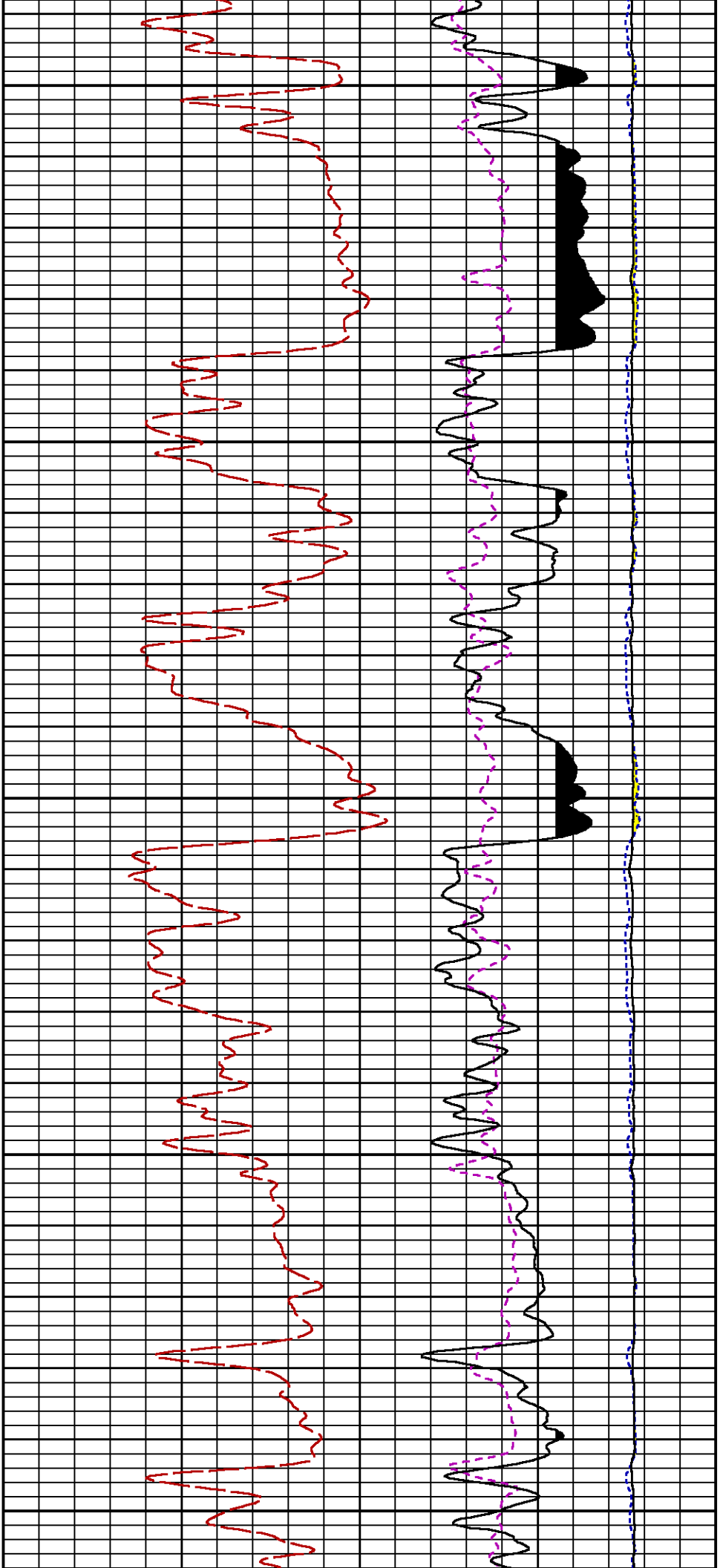
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Created On	: Jul 6 15:14:32 2017
Company	: LARAMIE ENERGY
Well	: BRUTON 30-02E
Field	: VEGA
File Interval	: 3994.25 - 7521.25 Feet
OCT	: RPM3D

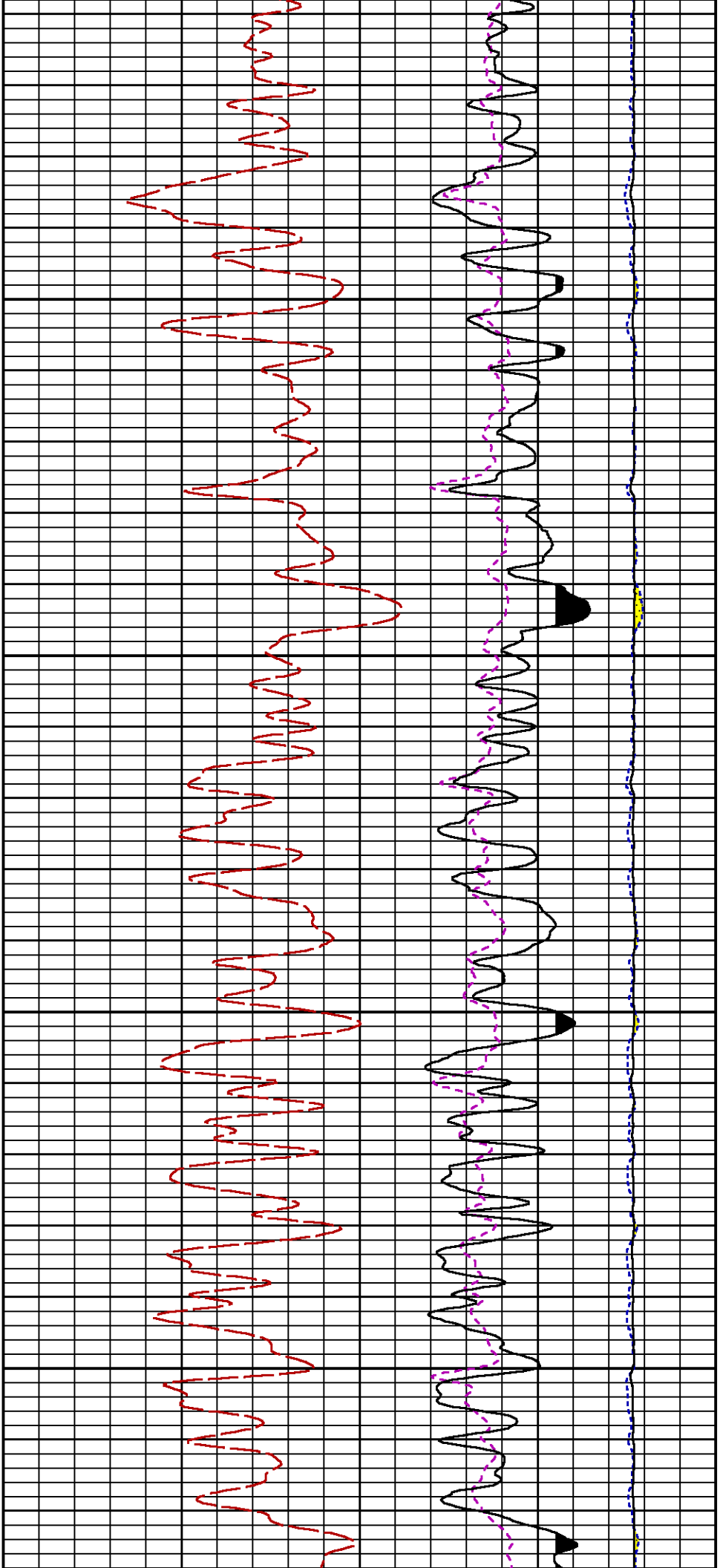






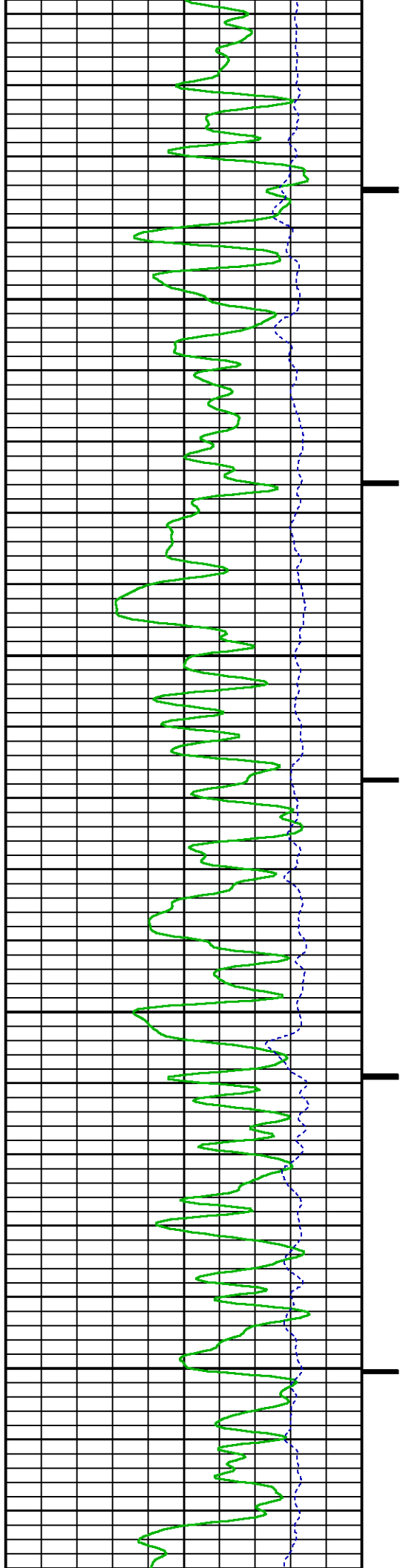


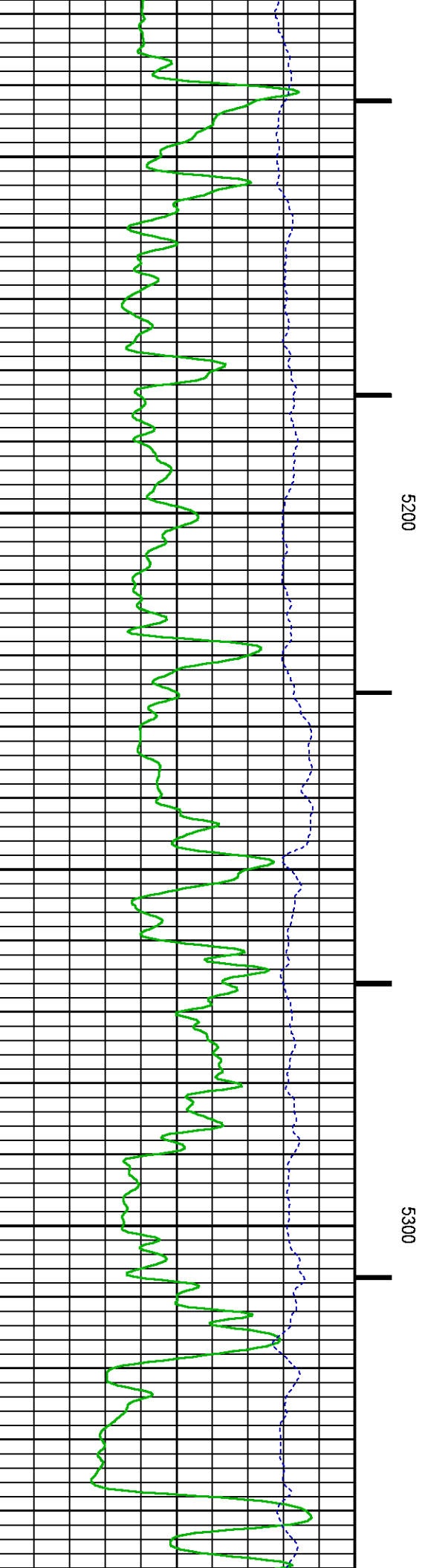
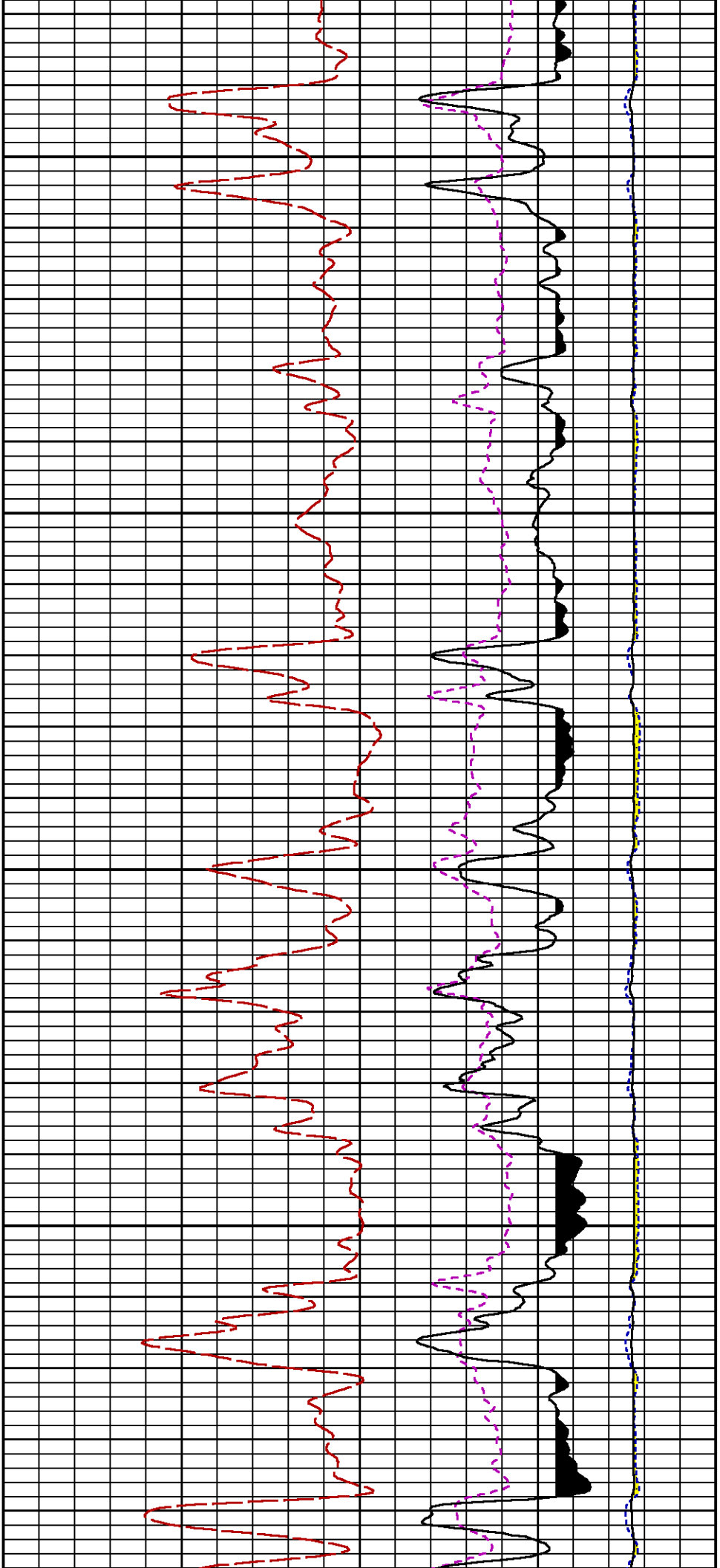


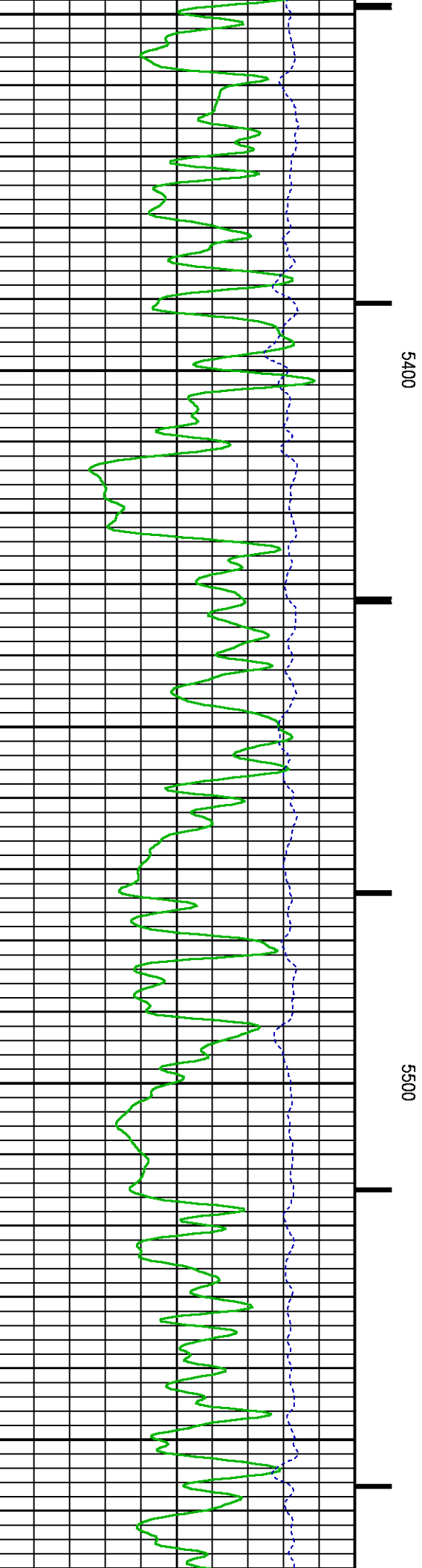
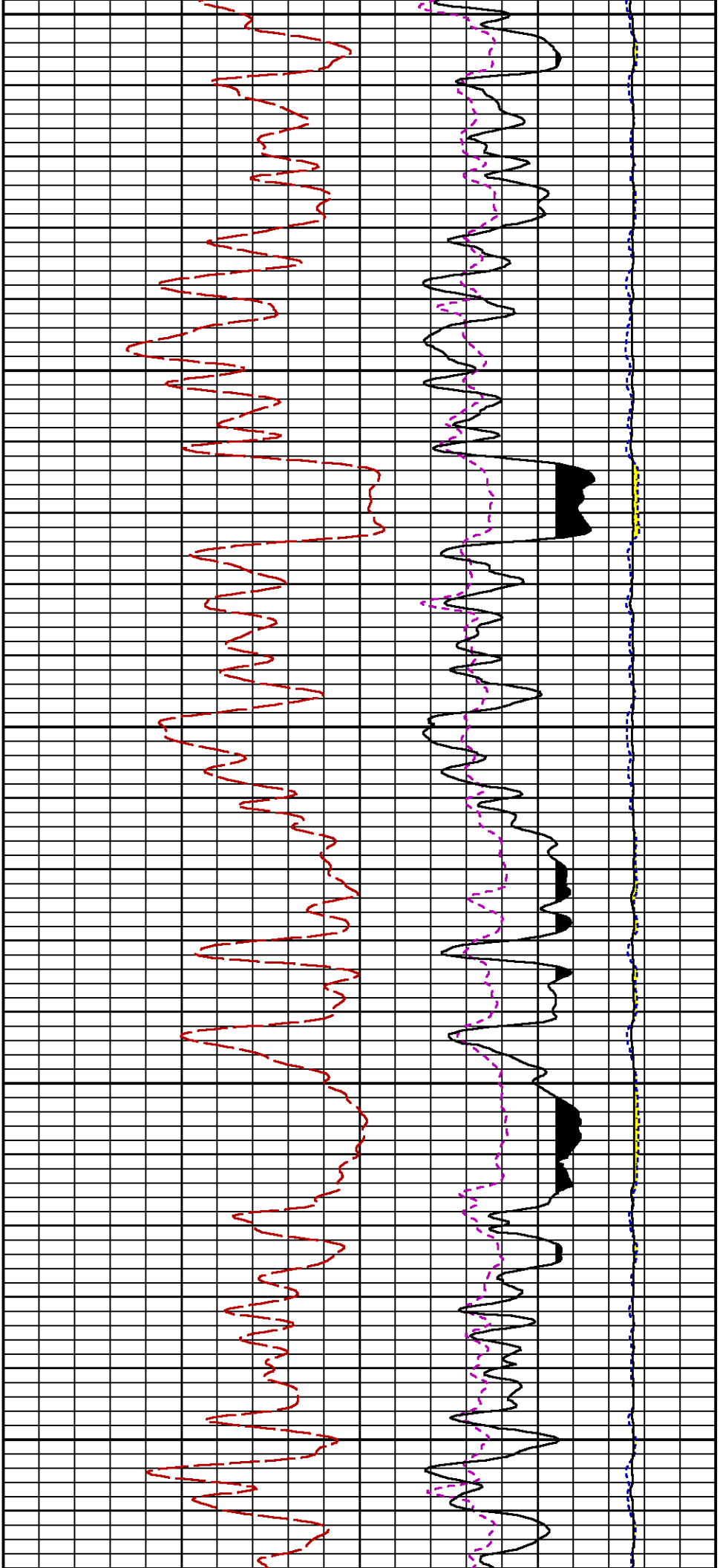


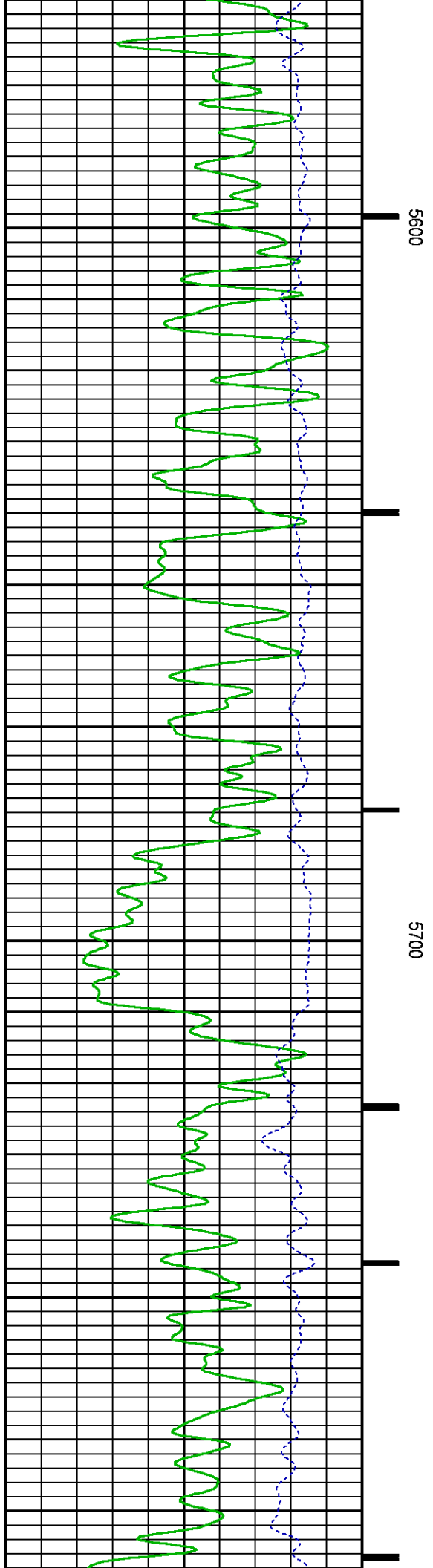
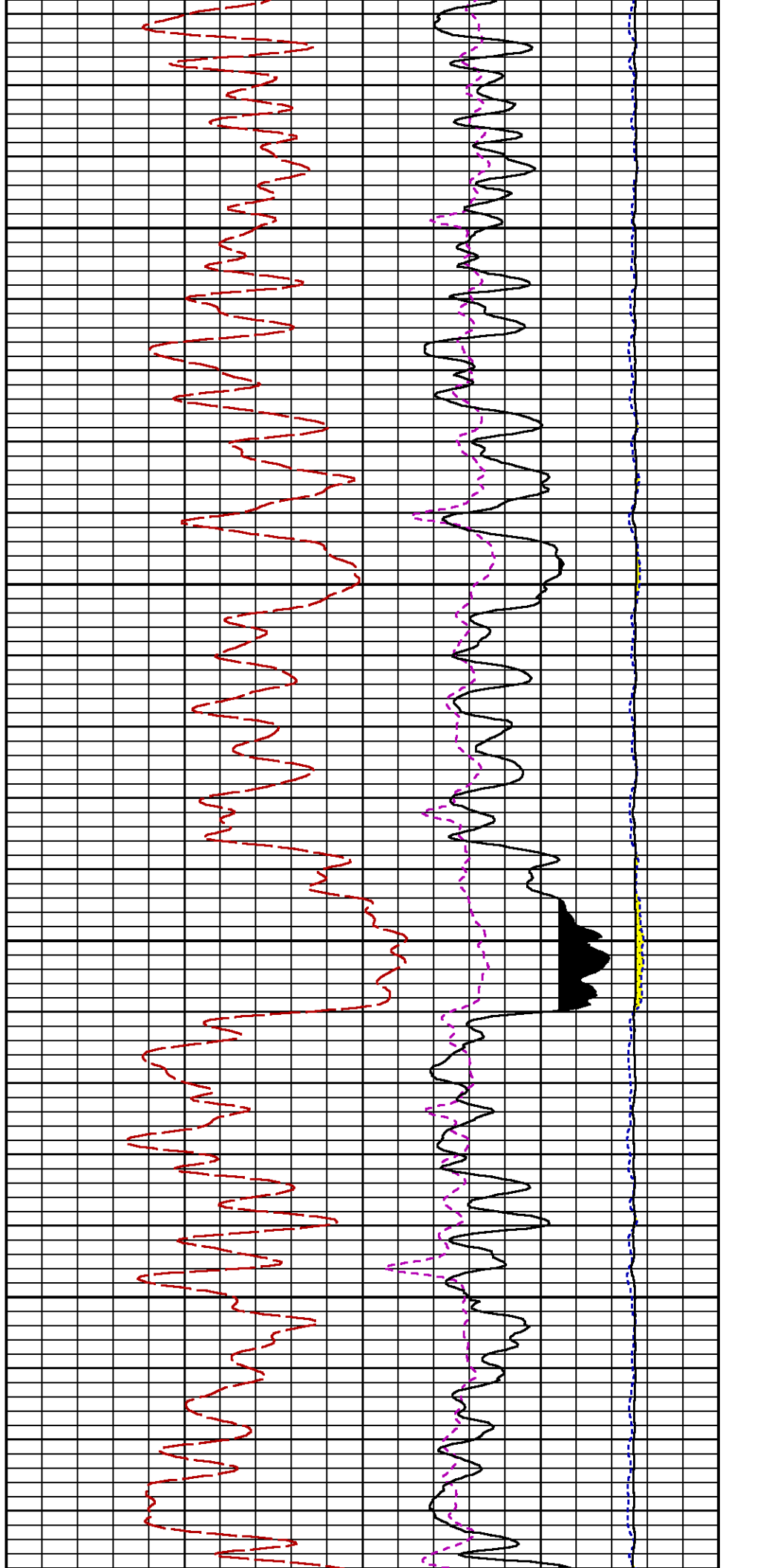
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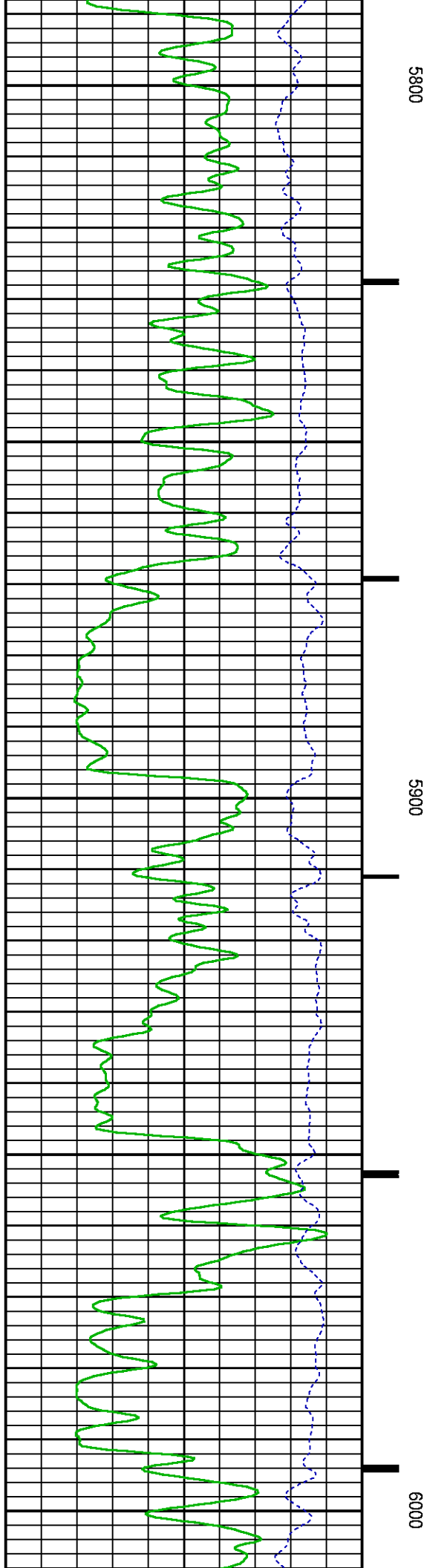
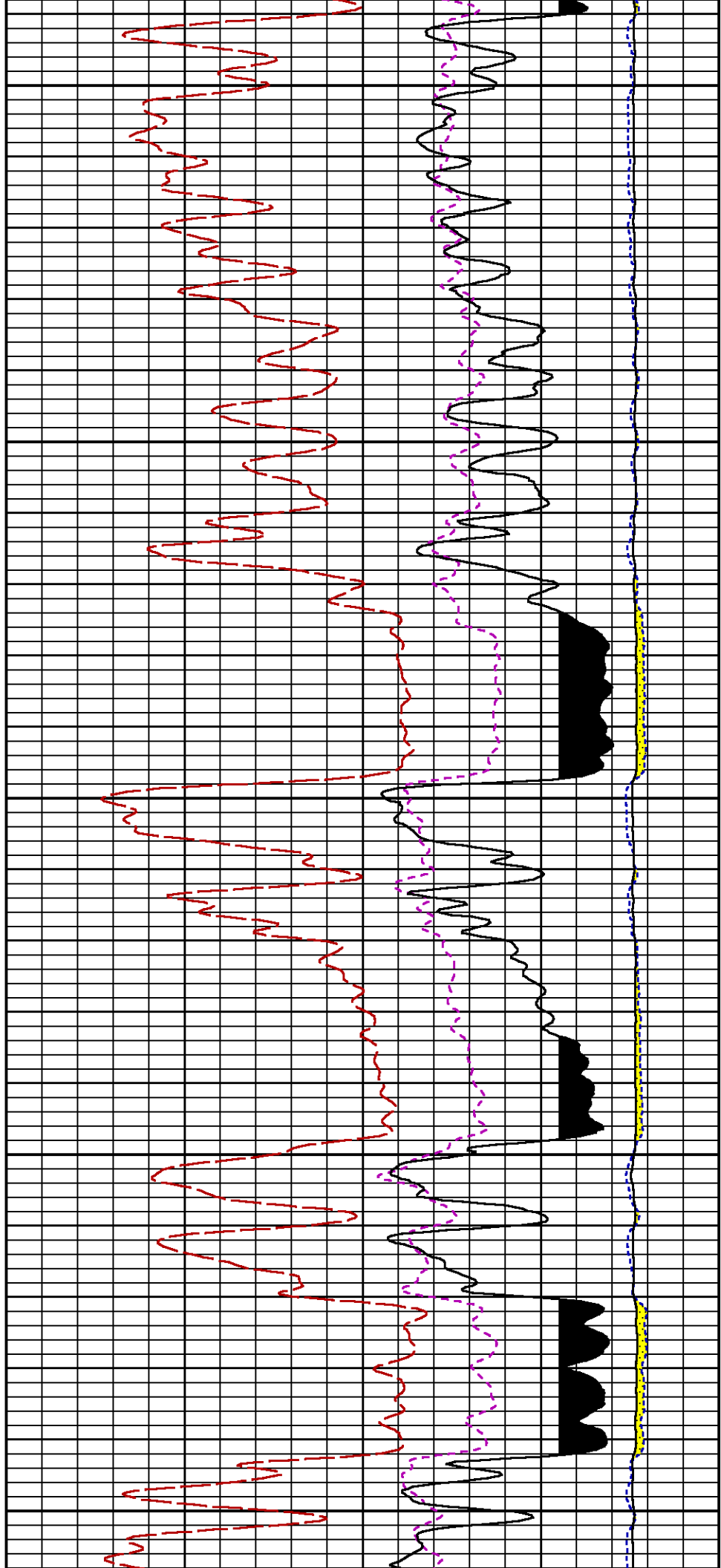
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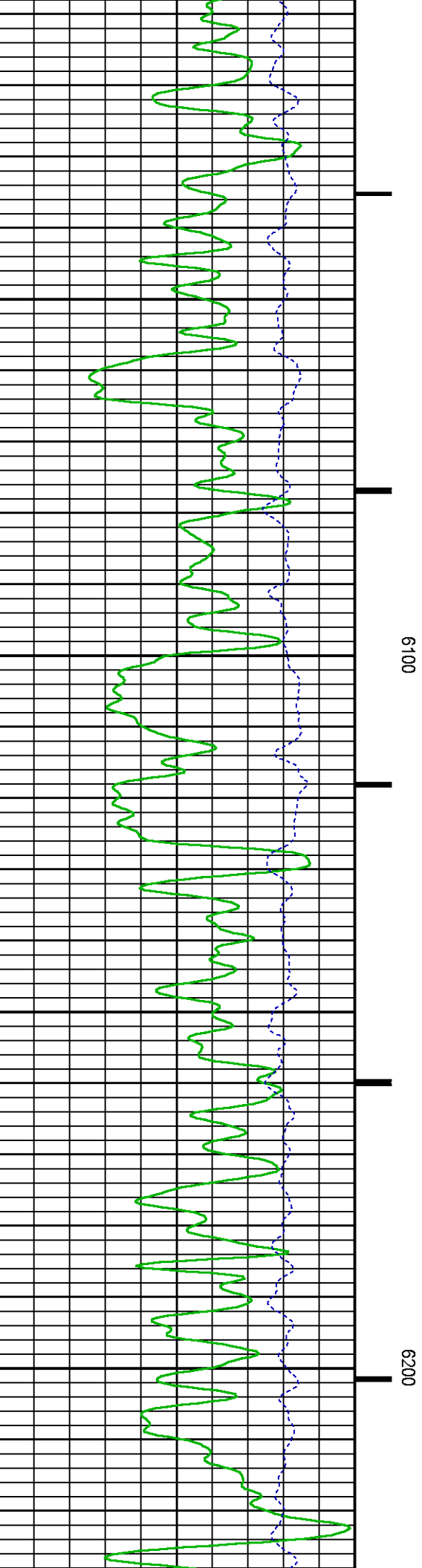
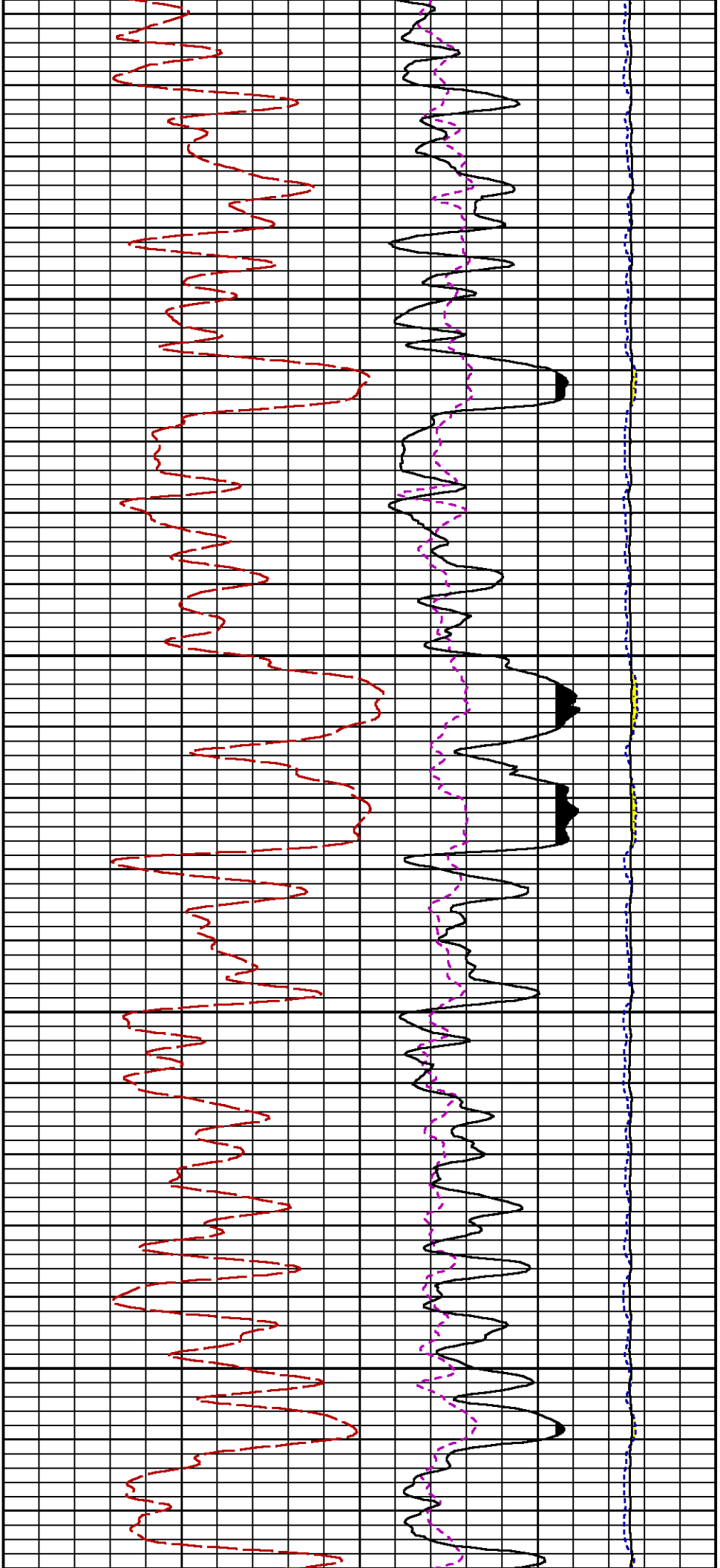


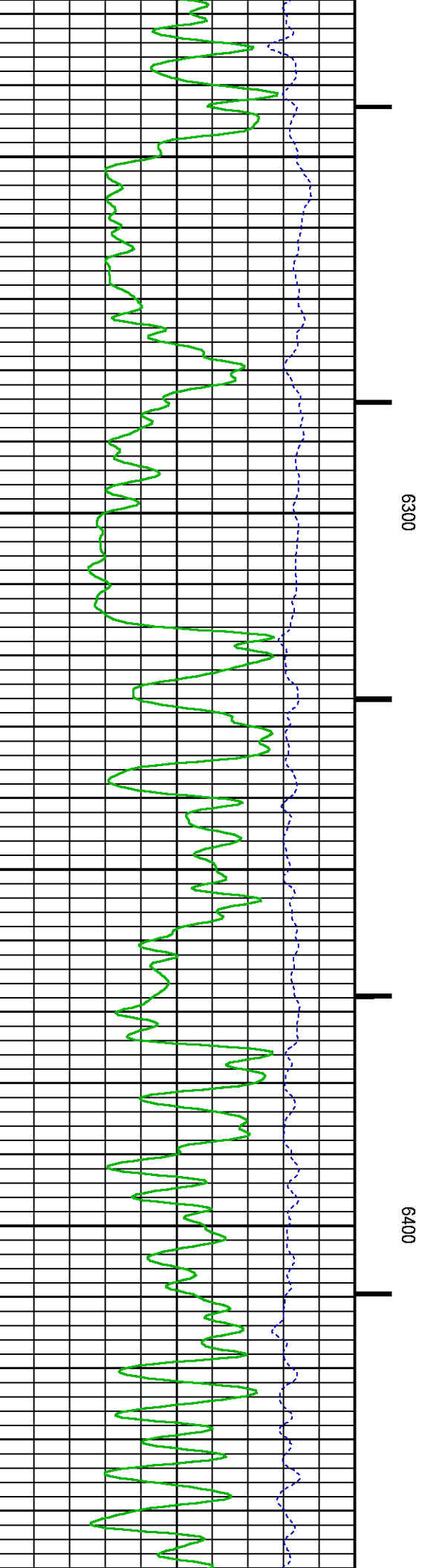
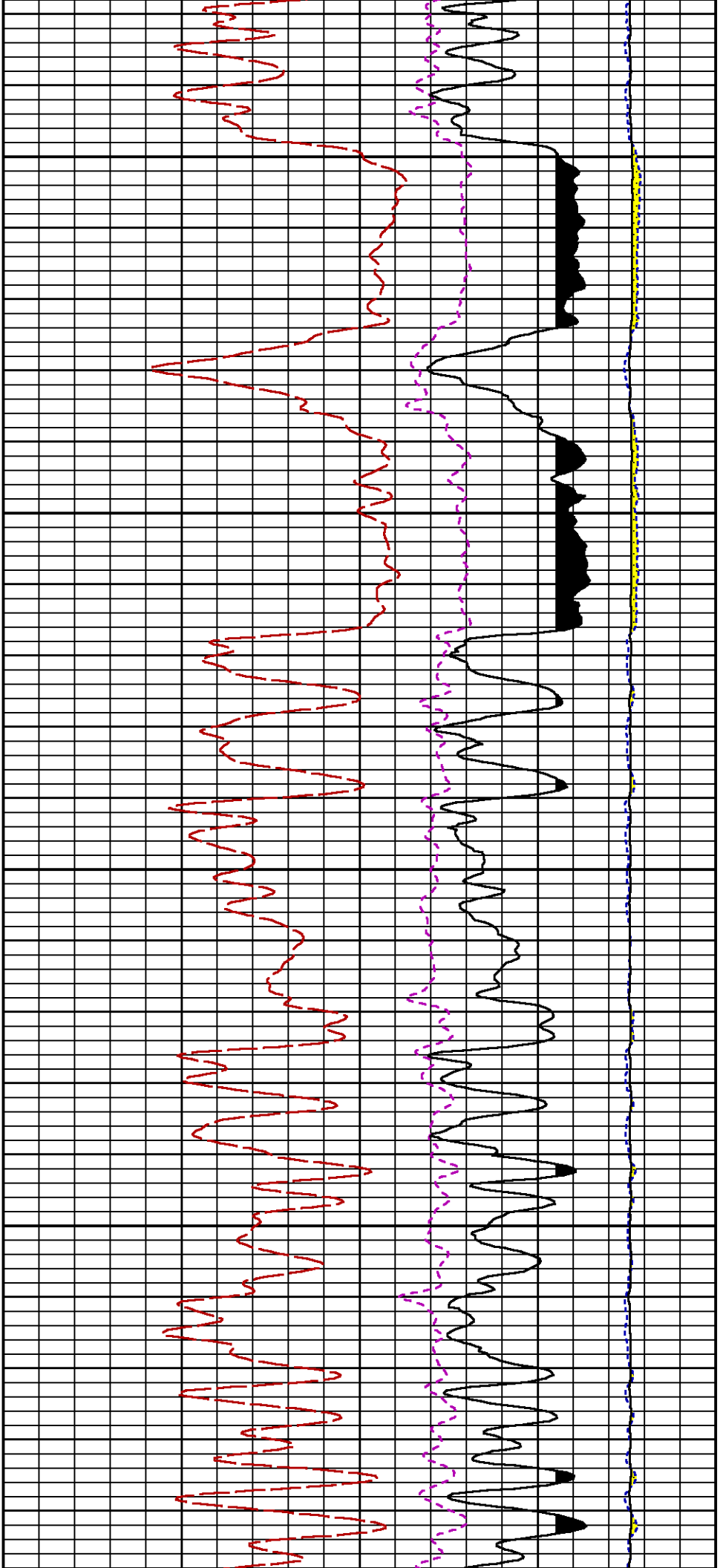


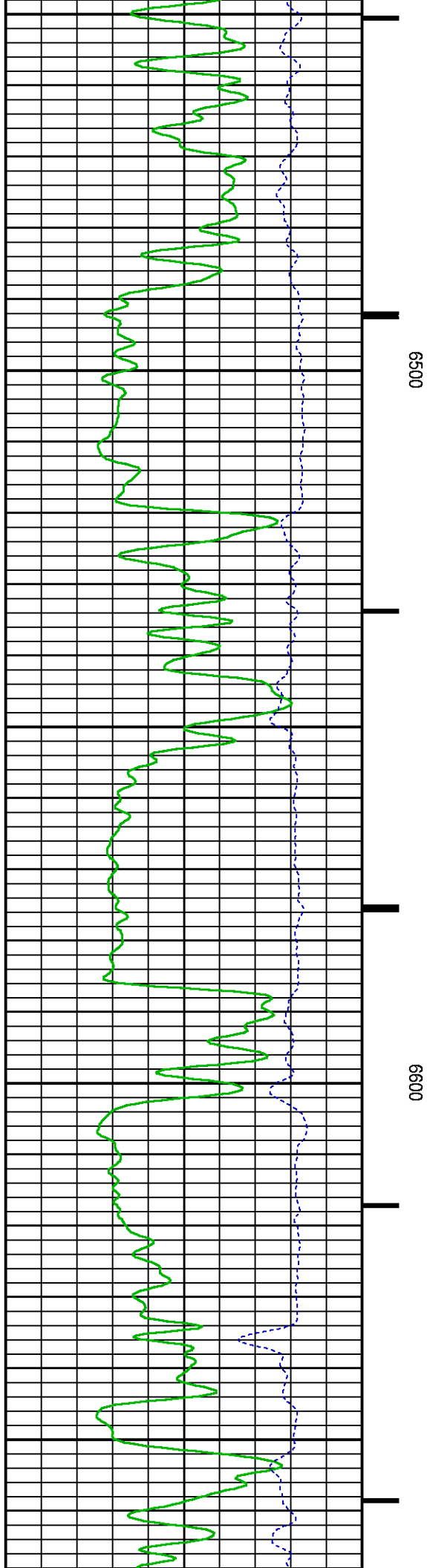
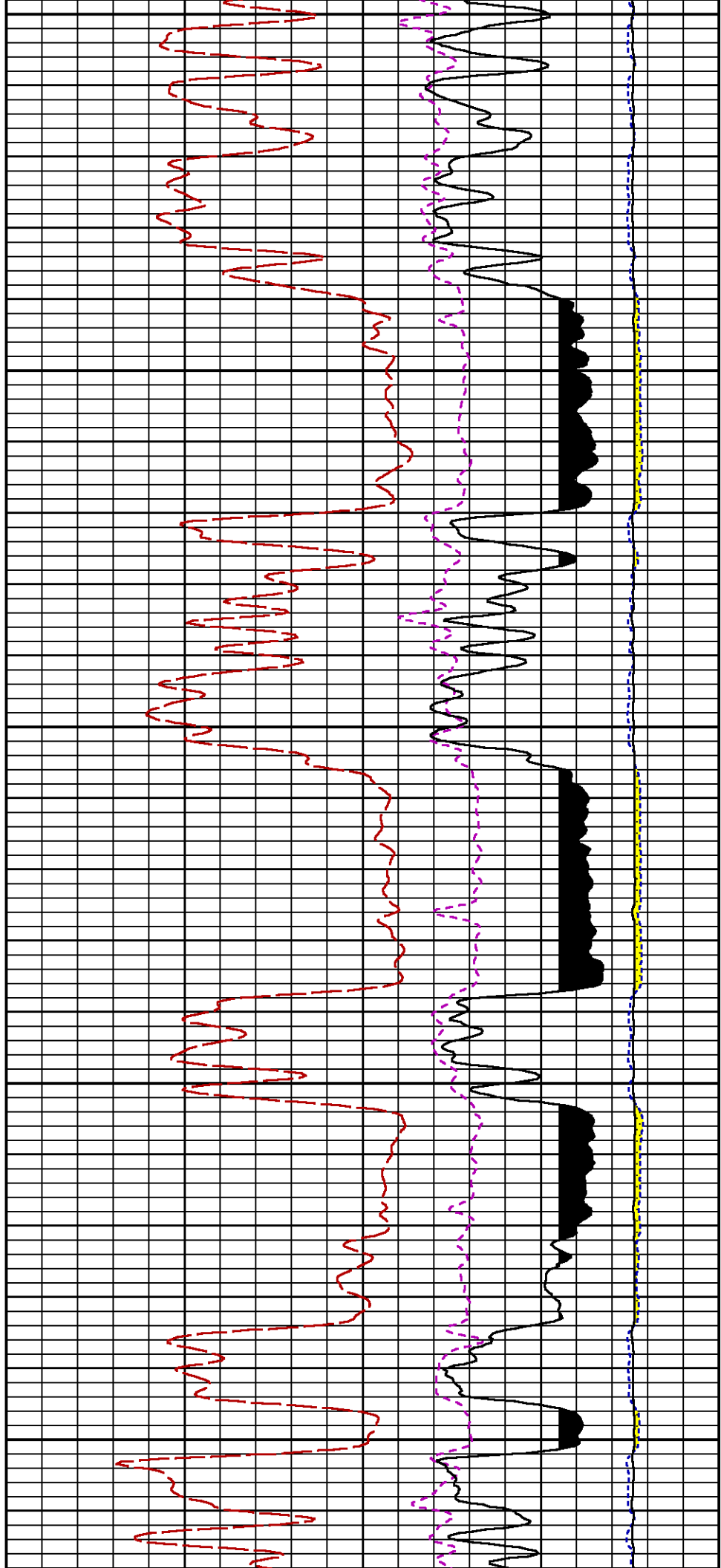


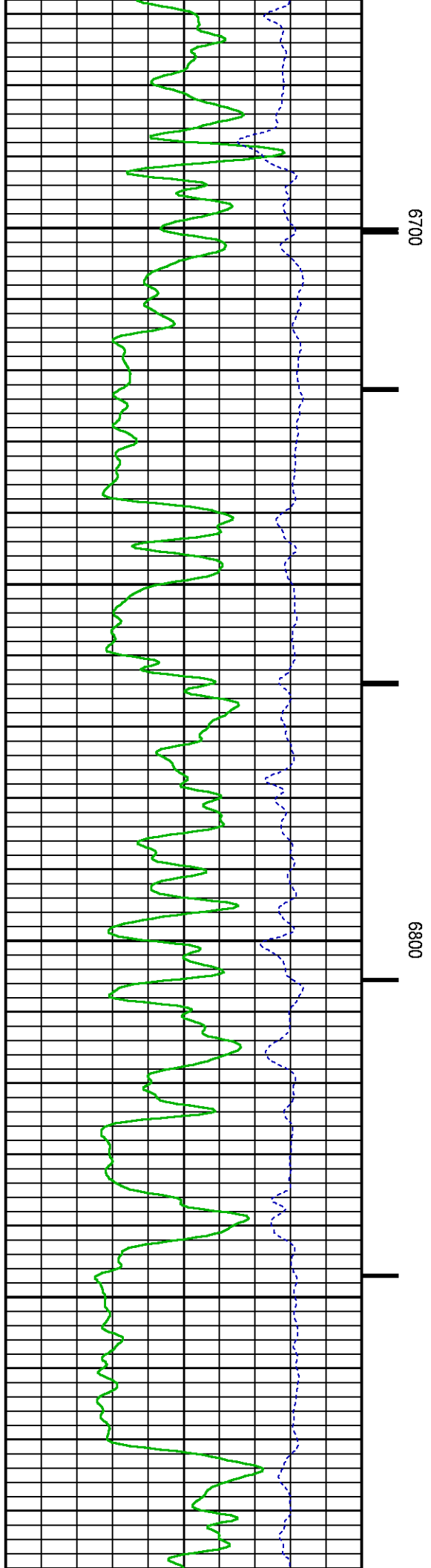
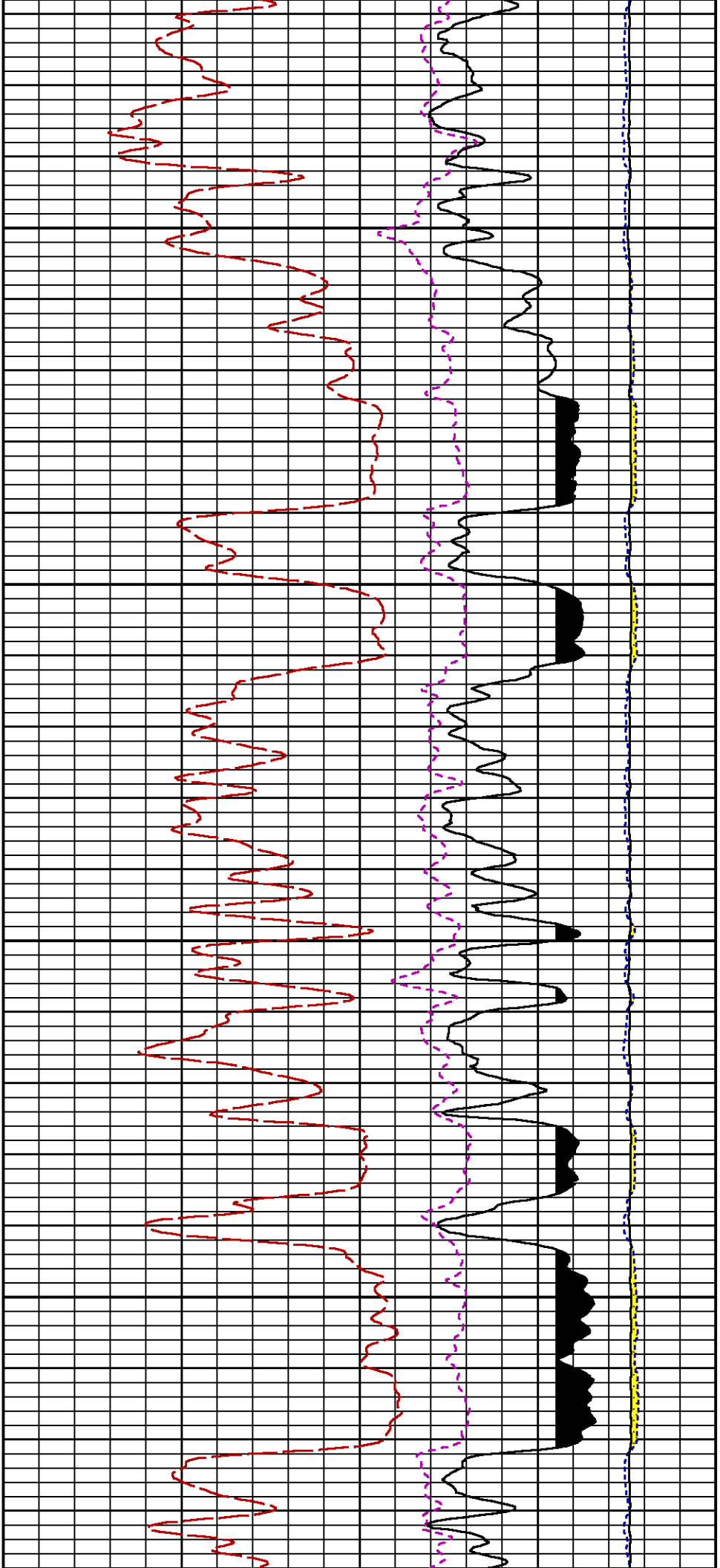


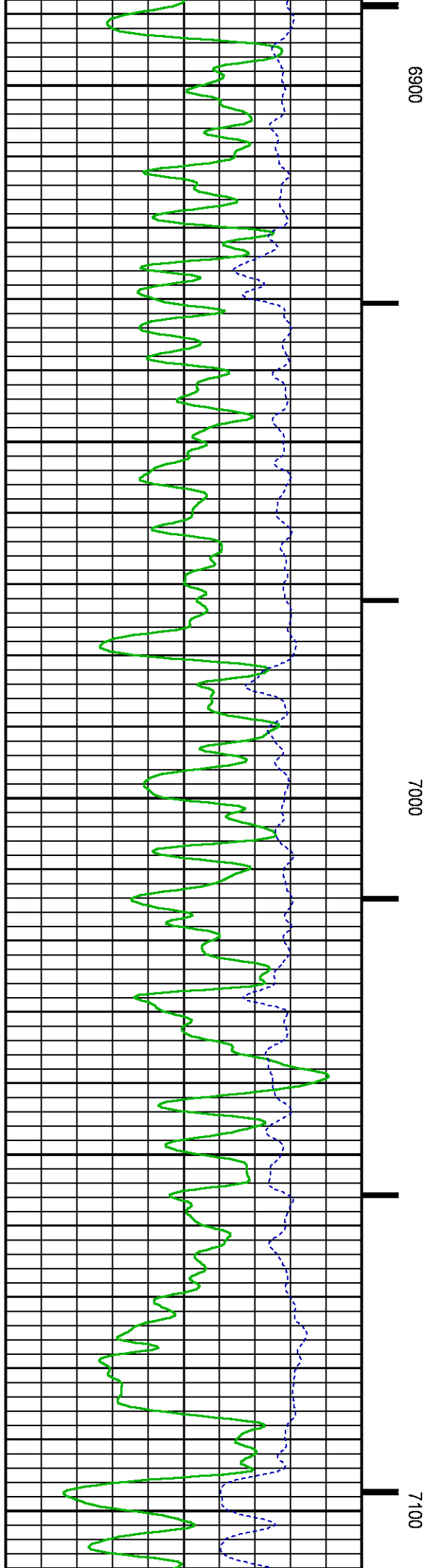
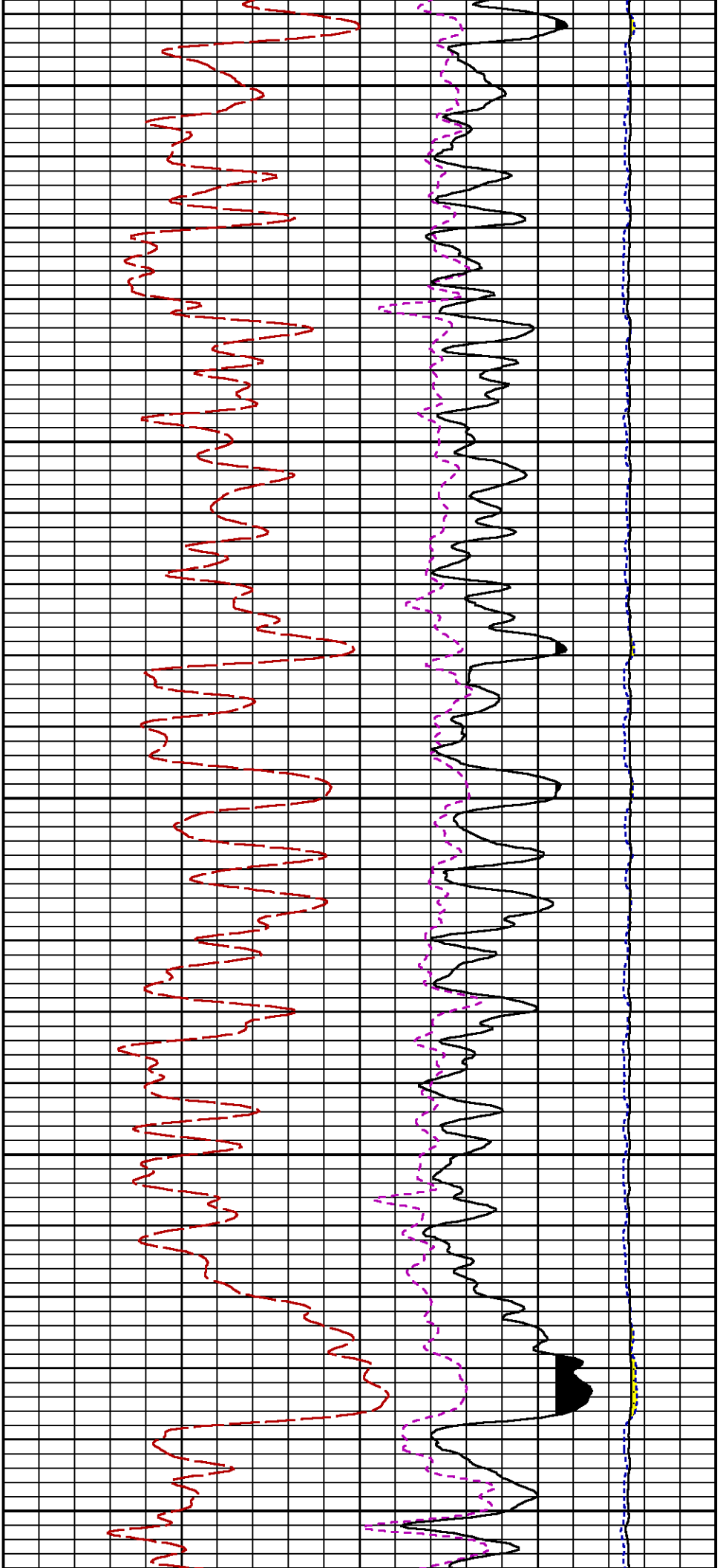


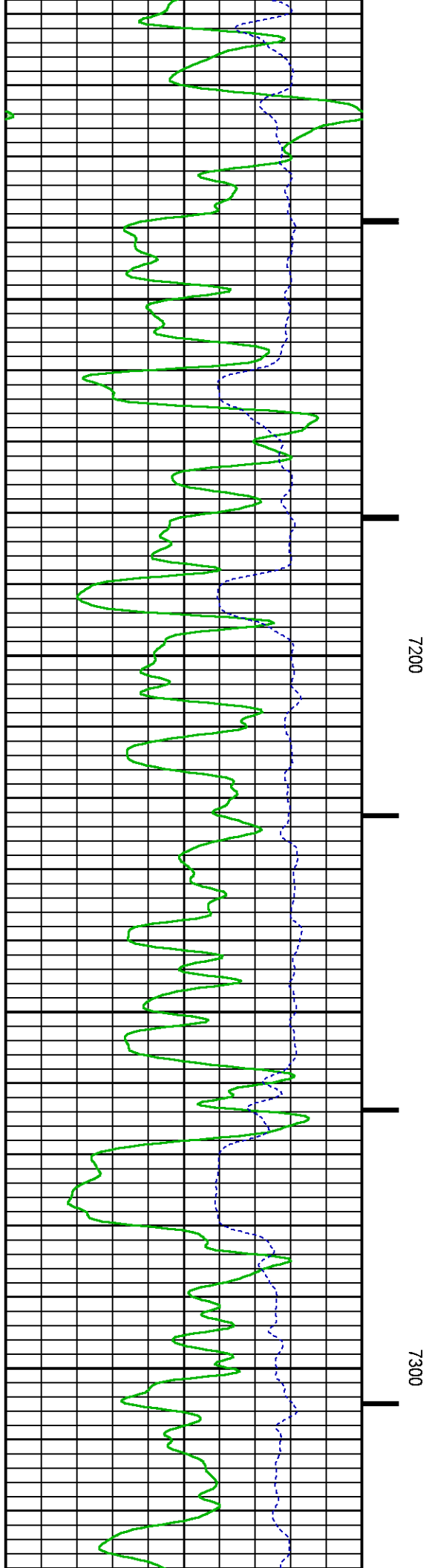
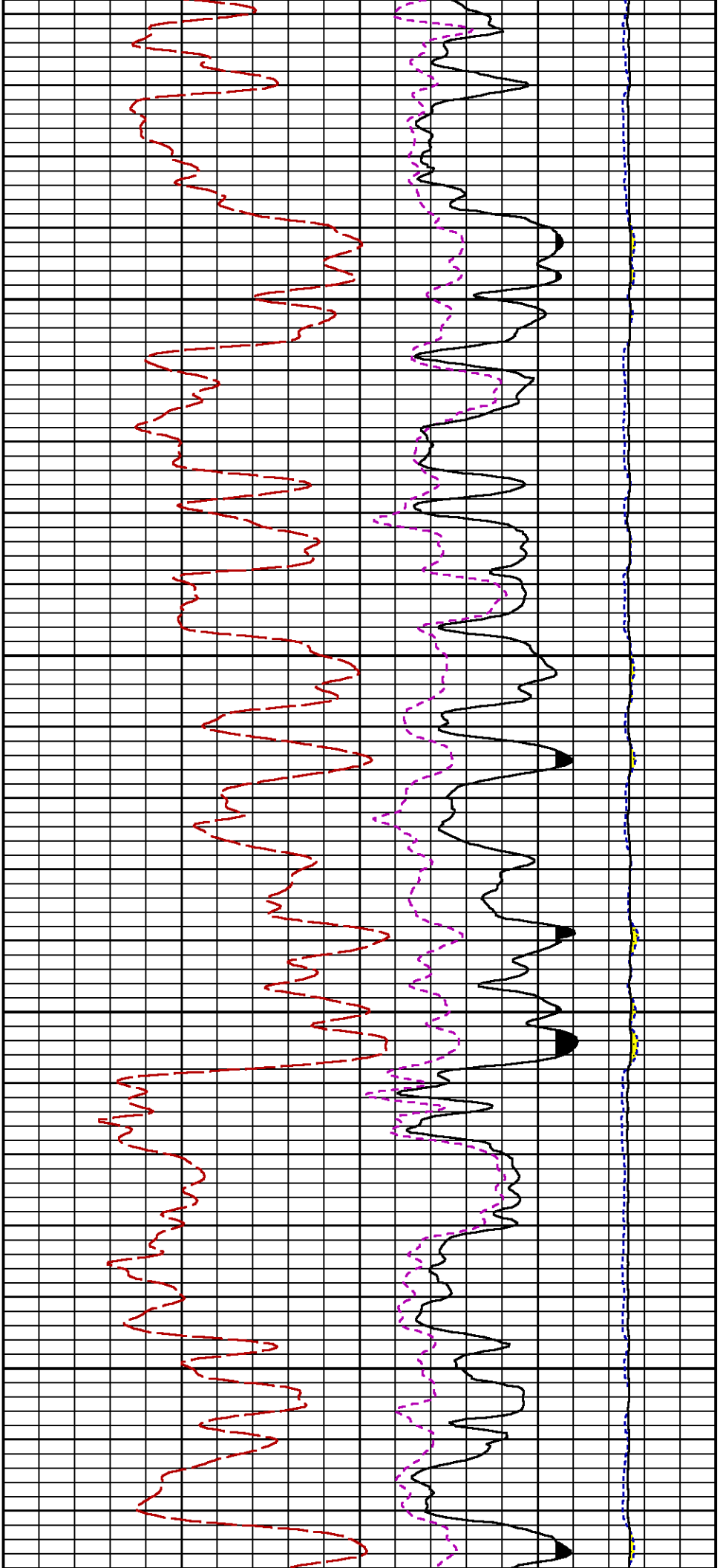


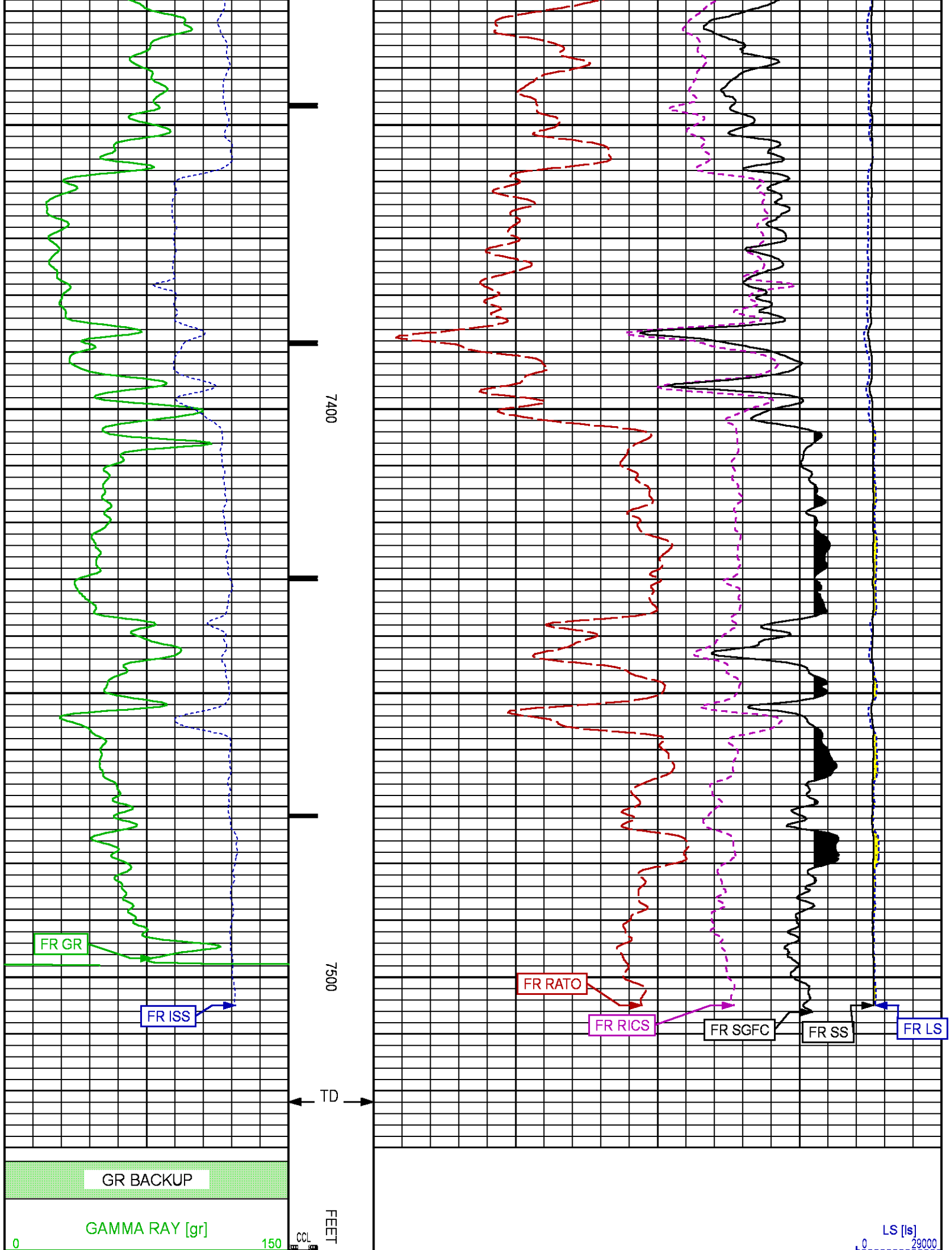












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		39	RICS [rics]
			9
			(dim)
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			(cu)

REPEAT SECTION PNC-3D MODE

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 9

Plotted: Thu Jul 6 15:14:34 2017

PARAMETER AND FILTER SUMMARY REPORT					
FILE: /dat1a/LARAMIE_BRUTON_30_02E/RPM3D01.prm					
LOGGING MODE: DEPTH DIRECTION: UP					
TOP DEPTH: 7088.750 ft BOTTOM DEPTH: 7308.000 ft					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
RPM PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
PNC Parameters	BOREHOLE CONTENTS	FLUID		TOP	BOTTOM
	OPEN/CASED HOLE	CASED HOLE		"	"
	BOREHOLE SIZE	8.75	in	"	"
	CASING SIZE	4.50	in	"	"
	MATRIX	SANDSTONE		"	"
	CORRECTION BUFFER	11		"	"

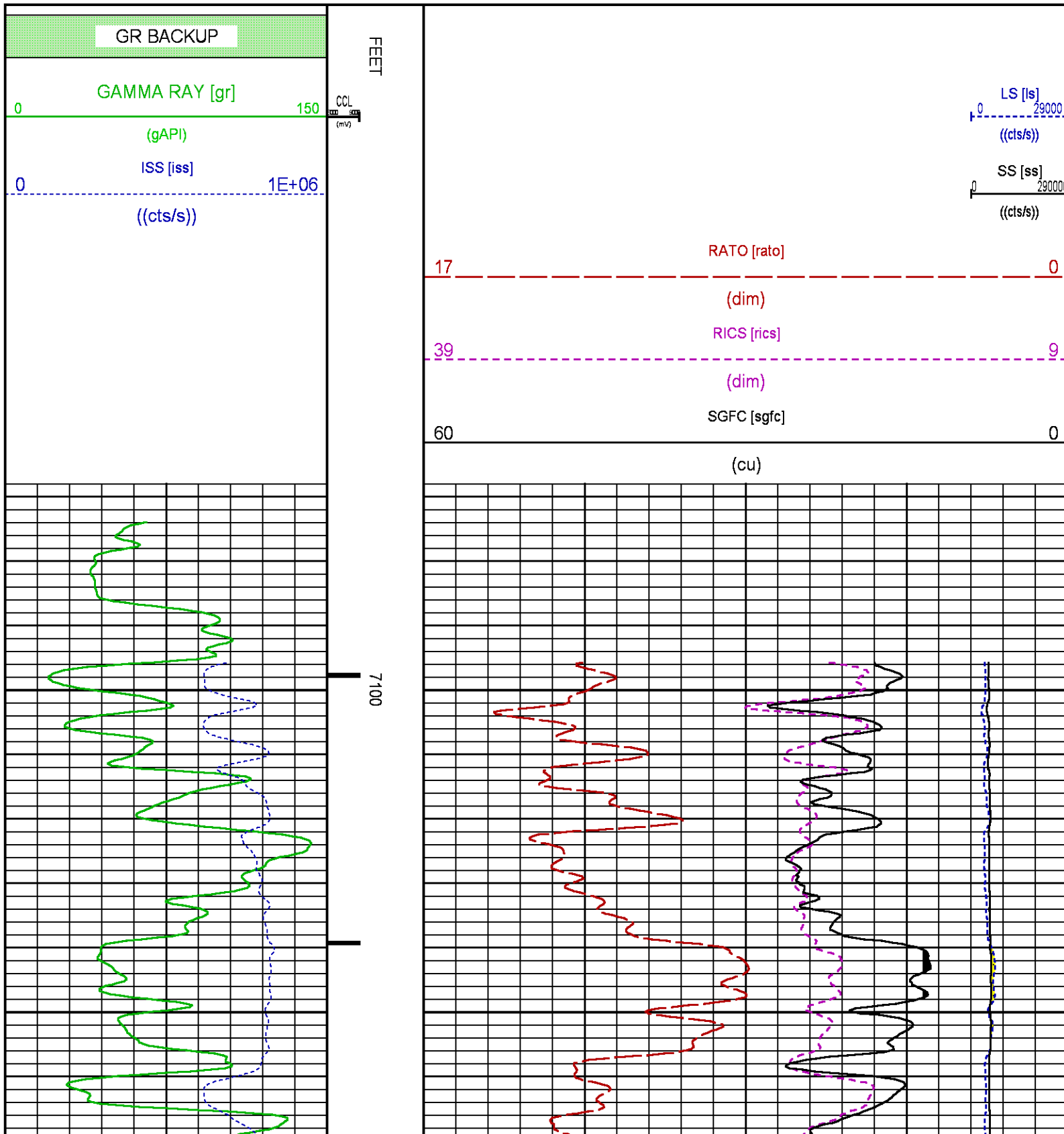
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 6 14:57:04 2017	CASING COLLAR LOCATOR
F1:GR	Jul 6 14:57:04 2017	GAMMA RAY
F1:ISS	Jul 6 14:57:04 2017	INELASTIC SHORT SPACE COUNT RATE
F1:LS	Jul 6 14:57:04 2017	LONG SPACE COUNT RATE
F1:RATO	Jul 6 14:57:04 2017	SHORT/LONG SPACE COUNT RATE RATIO
F1:RICS	Jul 6 14:57:04 2017	SHORT SPACE INELASTIC TO CAPTURE COUNT RATE RATIO (ISS/CSS)
F1:SGFC	Jul 6 14:57:04 2017	CORRECTED FORMATION SIGMA
F1:SS	Jul 6 14:57:04 2017	SHORT SPACE COUNT RATE

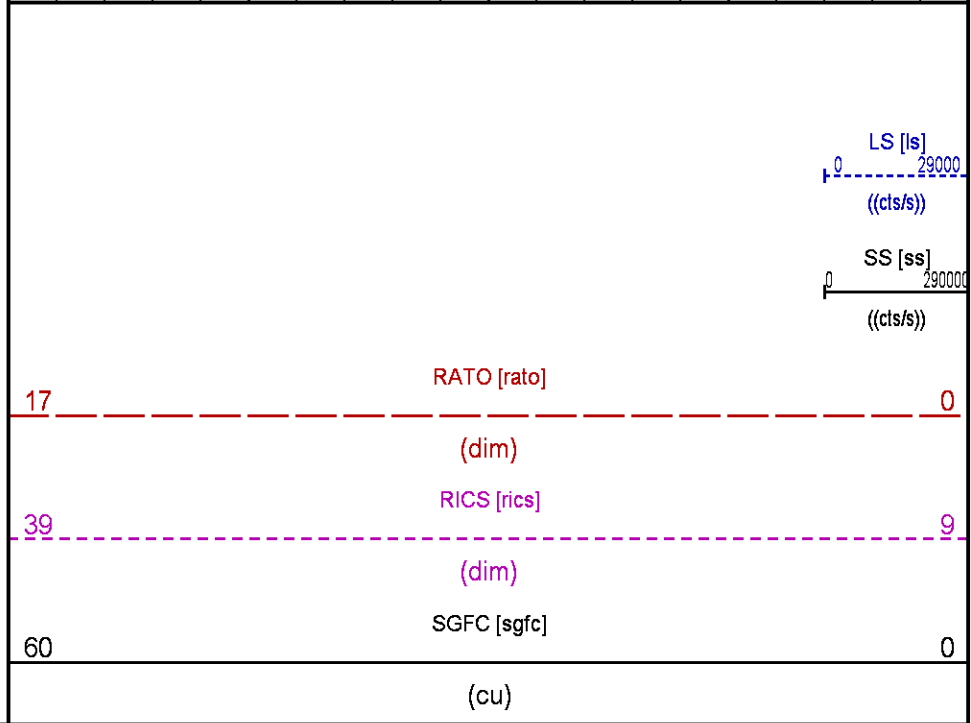
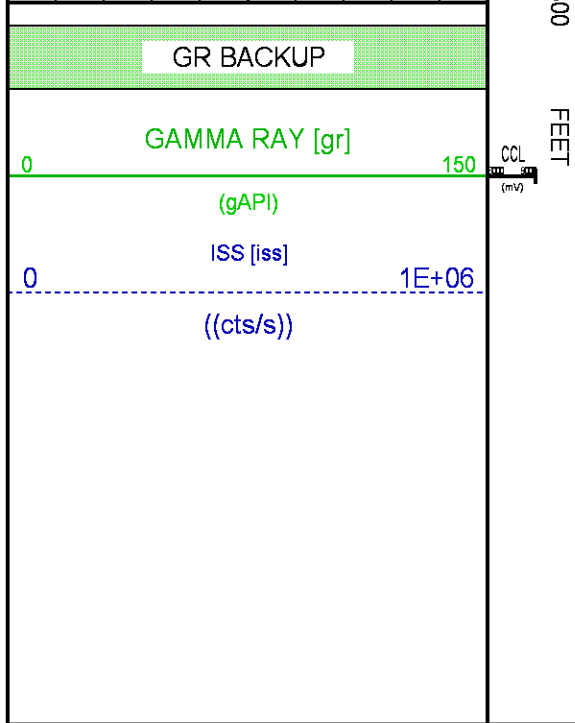
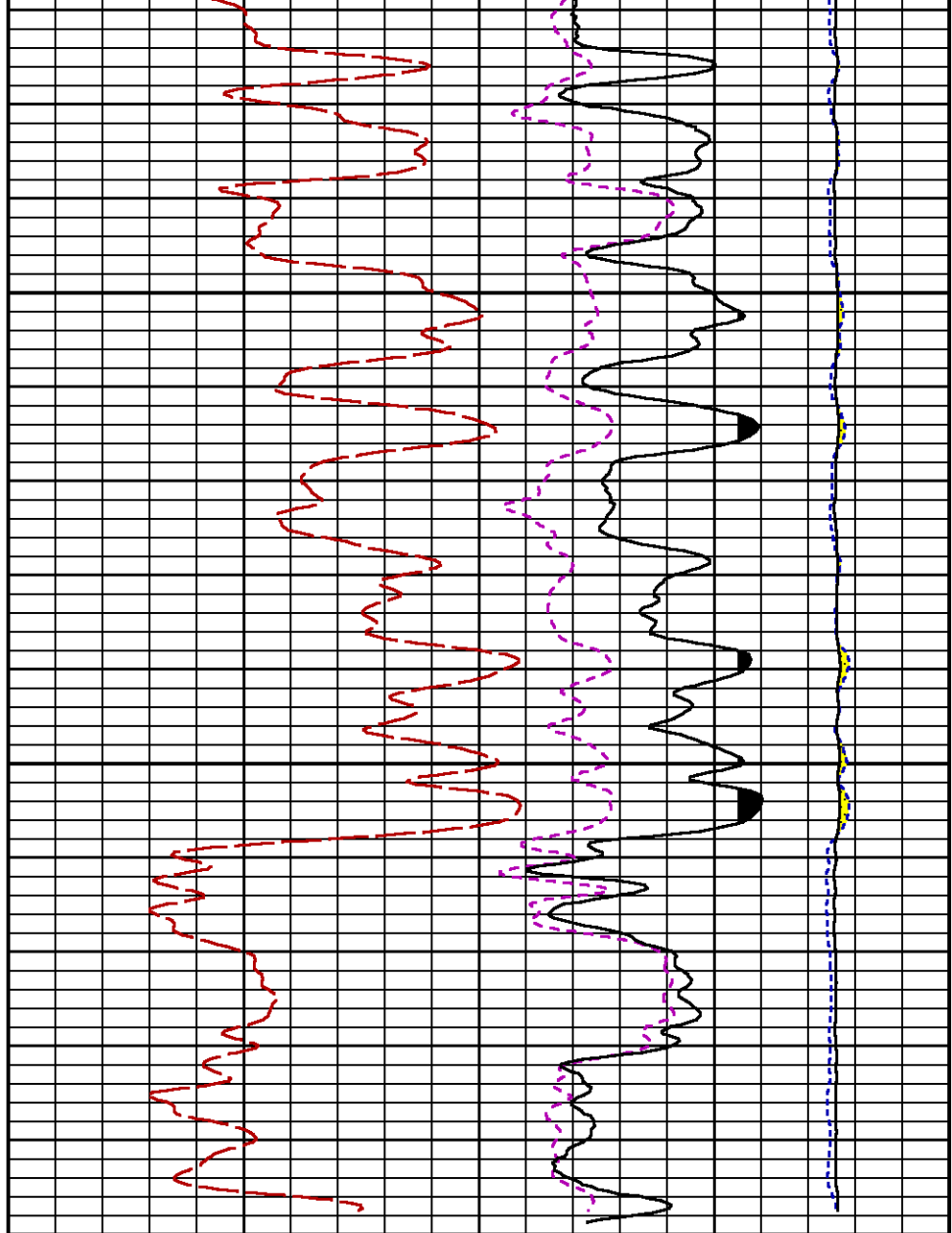
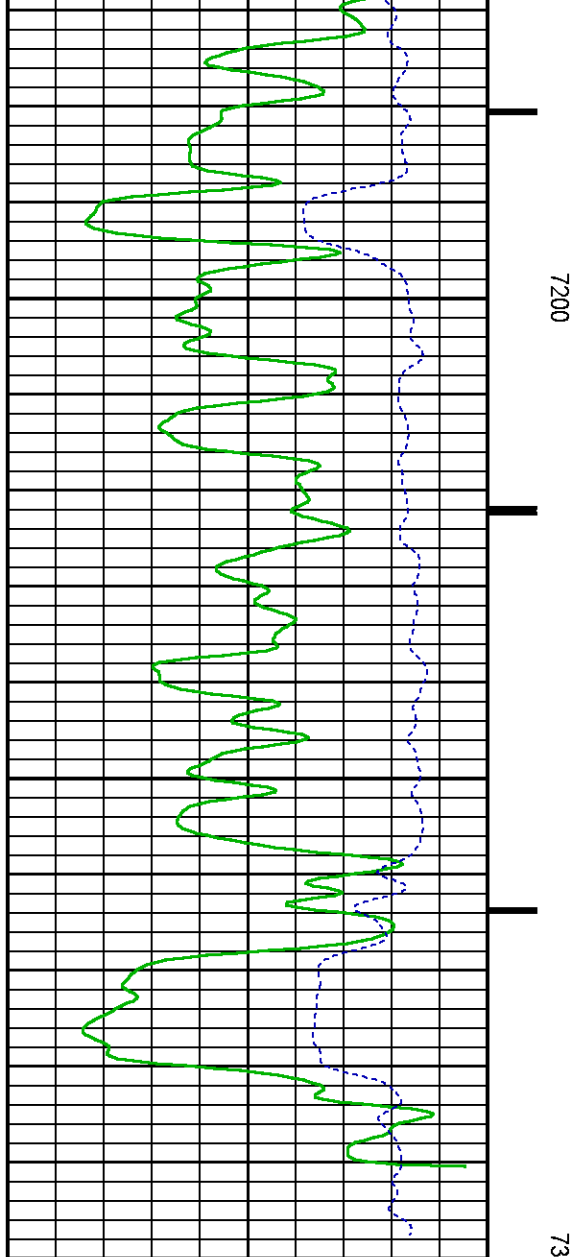
CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (#)	CURVE	OFFSET (#)	CURVE	OFFSET (#)

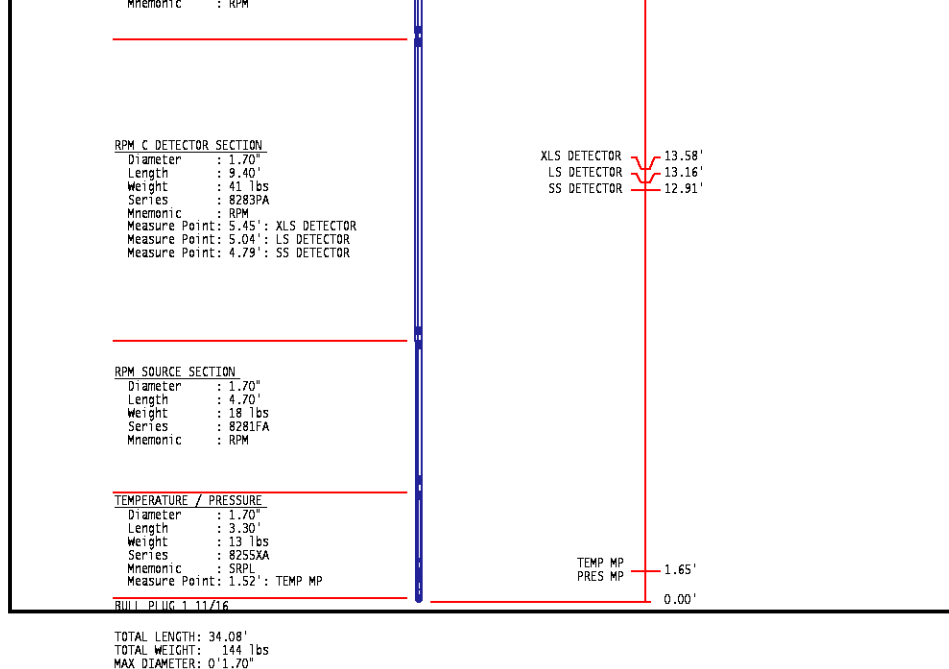
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	26.00	ISS	12.75	RATO	12.75	SGFC	12.75
GR	23.00	LS	12.75	RICS	12.75	SS	12.75


Presentation : cpu100:rpm_pnc3d+01_30_02E_REP-5.fvpdf [5"/100' Scale]
Plot Interval : 7069.75 - 7305 Feet

Data File 1 : F1 : cpu100:/dat1a/LARAMIE_BRUTON_30_02E/30_02E_RPM_RPT.xtf
Created On : Jul 6 14:57:04 2017
Company : LARAMIE ENERGY
Well : BRUTON 30-02E
Field : VEGA
File Interval : 7069 - 7313.75 Feet
OCT : RPM3D







	COMPANY	<u>LARAMIE ENERGY</u>		FILE NO:	
	WELL	<u>BRUTON 30-02E</u>			
	FIELD	<u>VEGA</u>		API NO:	
	COUNTY	<u>MESA</u>	STATE	<u>COLORADO</u>	<u>05077103700000</u>
LOCATION:		SHL: LAT:39.255232N, LONG:107.806537W BHL: LAT:39.254394N, LONG:107.806907W SEC <u>30</u> TWP <u>9S</u> RGE <u>93W</u>		ELEVATIONS:	
				KB 7449 FT DF 7448 FT GL 7425 FT	
		DATE		06-JUL-2017	