



FILE NO: US625272  
 COMPANY: WPX ENERGY INC  
 WELL: PUCKETT GM 701-28-HN1  
 FIELD: RULISON  
 COUNTY: GARFIELD STATE CO

Ver. 3.87  
 S28 T6S R96W  
 PAD: GM 11-28  
 RIG: AZTEC 1000  
 LOCATION:  
 SHL: 1314' FNL: 1035' FWL  
 BHL: 535' FNL: 629' FWL  
 SEC 28 TWP 6S RGE 96W  
 OTHER SERVICES:  
 XMAC  
 HDIL  
 ZDL  
 CN

PERMANENT DATUM  
 LOG MEASURED FROM: GL ELEVATION 5604 FT  
 DRILL MEAS. FROM: KB 25 FT ABOVE P.D.  
 ELEVATIONS:  
 KB 5629 FT  
 DF  
 GL 5604 FT

DATE	TRIP	08-Dec-2013	13-Nov-2013
RUN	2	1	1
SERVICE ORDER	US625272	US625265	
DEPTH DRILLER	11252 FT	2960 FT	
DEPTH LOGGER	NOT TAGGED	2955 FT	
BOTTOM LOGGED INTERVAL	10432 FT	2939 FT	
TOP LOGGED INTERVAL	2900 FT	0 FT	
CASING DRILLER	13.375 IN @ 2957 FT	20 IN @ 110 FT	
CASING LOGGER	2949 FT	104 FT	
BIT SIZE	12.25 IN	17.5 IN	
TYPE OF FLUID IN HOLE	LSND	LSND	
DENSITY	12.7 LBG	9.9 LBG	60 CP
PH	9.6	8.6	24 C3
SOURCE OF SAMPLE	FLOWLINE	FLOWLINE	
RM AT MEAS. TEMP.	0.84 OHMM @ 76 DEGF	1.07 OHMM @ 78 DEGF	
RMF AT MEAS. TEMP.	0.63 OHMM @ 76 DEGF	0.8 OHMM @ 78 DEGF	
RMC AT MEAS. TEMP.	1.05 OHMM @ 76 DEGF	1.33 OHMM @ 78 DEGF	
SOURCE OF RMF	RMC		
RM AT BHT	0.688 OHMM @ 246.9 DEGF	1.15 OHMM @ 149 DEGF	
TIME SINCE CIRCULATION	8 HRS	9 HRS	
MAX. RECORDED TEMP.	248.6 DEGF	152 DEGF	
EQUIP. NO.	6670	6670	GRAND JCT
RECORDED BY	PATTON	PATTON	
WITNESSED BY	MOORE/BRUNK	ANDREW BRUNK	

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.

BIT SIZE	FROM	TO
12.25 IN	2957 FT	11252 FT
17.5 IN	0 FT	2955 FT

SIZE	WEIGHT	GRADE	FROM	TO
13.375 IN	68 LB/F		0 FT	2957 FT
20 IN	54 LB/F		0 FT	104 FT

**REMARKS**

RUN 2 TRIP 1: XMAC HDIL ZDL CN GR RAN IN COMBINATION  
 MADE 10509' INTO THE CURVE, PULLED WEIGHT COMING OUT  
 PULLED 65% AT 10230' SHUT CALIPER TO PULL THROUGH TIGHT SPOT  
 PULLED 65% AT 8300' SHUT CALIPER TO PULL THROUGH TIGHT SPOT  
 BVOL CVOL CALCULATED IN CUBIC FEET  
 BVOL CALCULATED USING PROPOSED 9.625" CASING  
 CALIPER VERIFIED INSIDE CASING  
 THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES  
 CREW: PATTON/COATE/HOLLAR  
 RIG: AZTEC 1000

RUN 1 TRIP 1:

**EQUIPMENT DATA**

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	DHPA	4430XB	12494777	FREE
1	1	SWVL	3944XD	10201370	FREE
1	1	TTRM	3981XA	10203010	FREE
1	1	WTS	3514XB	10240730	FREE
1	1	DSL	1329XA	10196895	FREE
1	1	KNJT	3939XA	10399278	FREE
1	1	CN	2446XA	10202048	DECENTRALIZED
1	1	ZDL	2234XA	153015	DECENTRALIZED
1	1	KNJT	3939XA	10185406	FREE
1	1	CENT	4341XA	10239054	CENTRALIZED
1	1	ORIT	4401XB	10304309	CENTRALIZED
1	1	XMAC	1677EA	179577	CENTRALIZED
1	1	XMF1	1678MC	10084081	CENTRALIZED
1	1	XMAC	1678PB	10086347	CENTRALIZED
1	1	XMAC	1678BA	10070639	CENTRALIZED
1	1	XMAC	1678FA	10083715	CENTRALIZED
1	1	CENT	4341XA	10202020	CENTRALIZED
1	1	HDIL	1515EA	10318637	STOOD OFF
1	1	HDIL	1515MA	10037719	STOOD OFF

**MAIN LOG 5"/100FT SCALE**

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

Patches: 3

Plotted: Sun Dec 8 19:23:27 2013

**PARAMETER AND FILTER SUMMARY REPORT**

FILE: /dat1a/625272/n777v02.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 7202.169 ft BOTTOM DEPTH: 10539.247 ft

**SYMMETRIC FILTER**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CHT	FILTER (.h)	medium (1)		TOP	BOTTOM
	FILTER (.i)	medium (1)		"	"
Y AXIS CALIPER	FILTER (j)	medium (1)		"	"
	SPEED	FILTER (.h)	medium (1)	"	"
GR	FILTER (.i)	medium (1)		"	"
	SL	FILTER (.h)	medium (1)	"	"
CALIPER	FILTER (.i)	medium (1)		"	"
	FILTER (j)	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"

**BOREHOLE & CEMENT**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	9.625	in	TOP	BOTTOM
BIT SIZE	BIT SIZE	12.250	in	"	"
MUD DENSITY	MUD DENSITY	12.70	lbm/gal	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (slbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (slbh*)	12.250	in	"	"

**SL PROCESSING**

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
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SL BOREHOLE	OPEN/CASED HOLE	OPEN HOLE	TOP	BOTTOM
	K MUD CONTENT	0.00	pct	"
	K MUD TYPE	KCL	"	"
SL AUTOGAIN	AUTO GAIN (1329XA 1)	ON	"	"
SL SPECTRUM CALIBRATION	MODE	AUTOMATIC	"	"

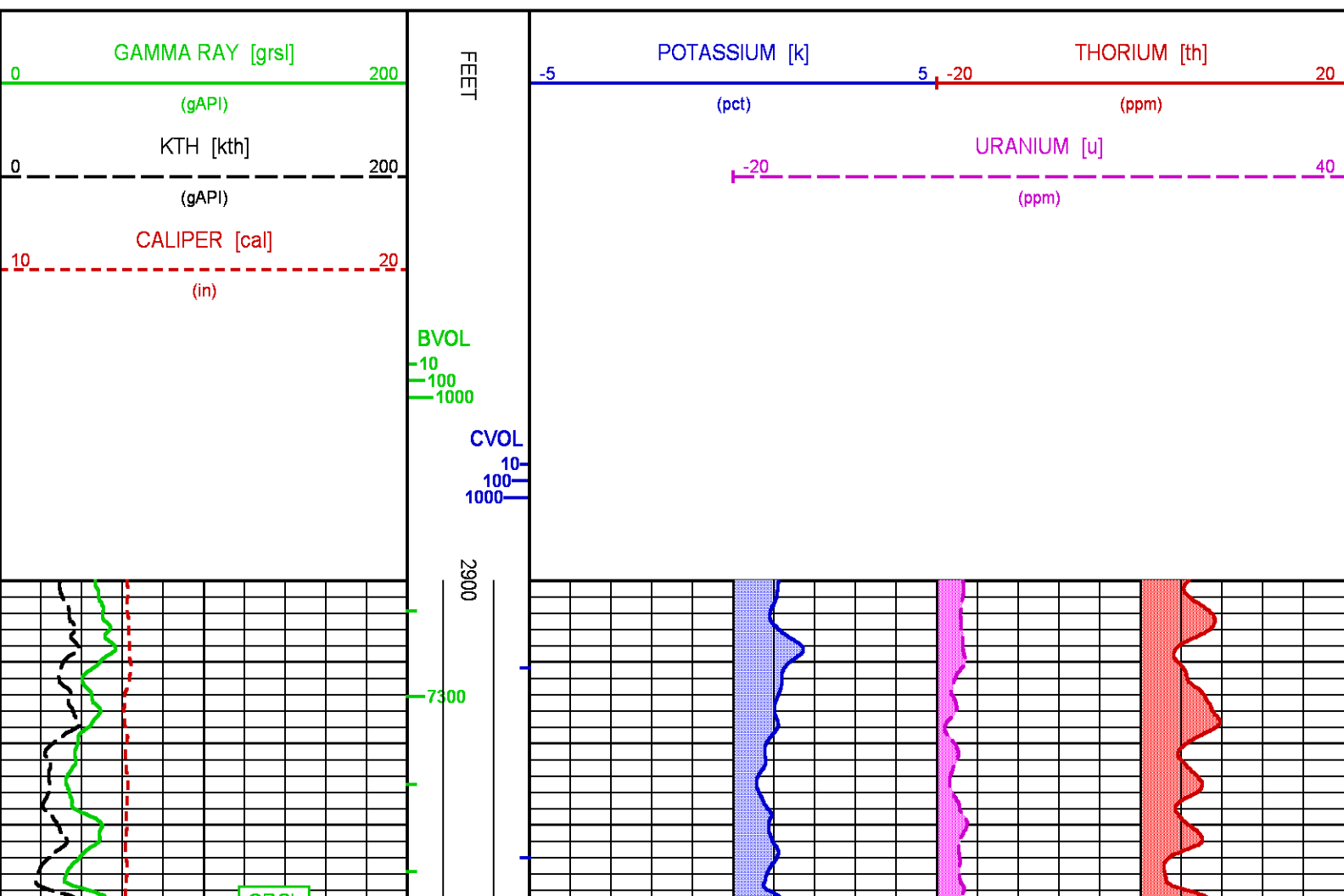
## CURVE DESCRIPTION REPORT

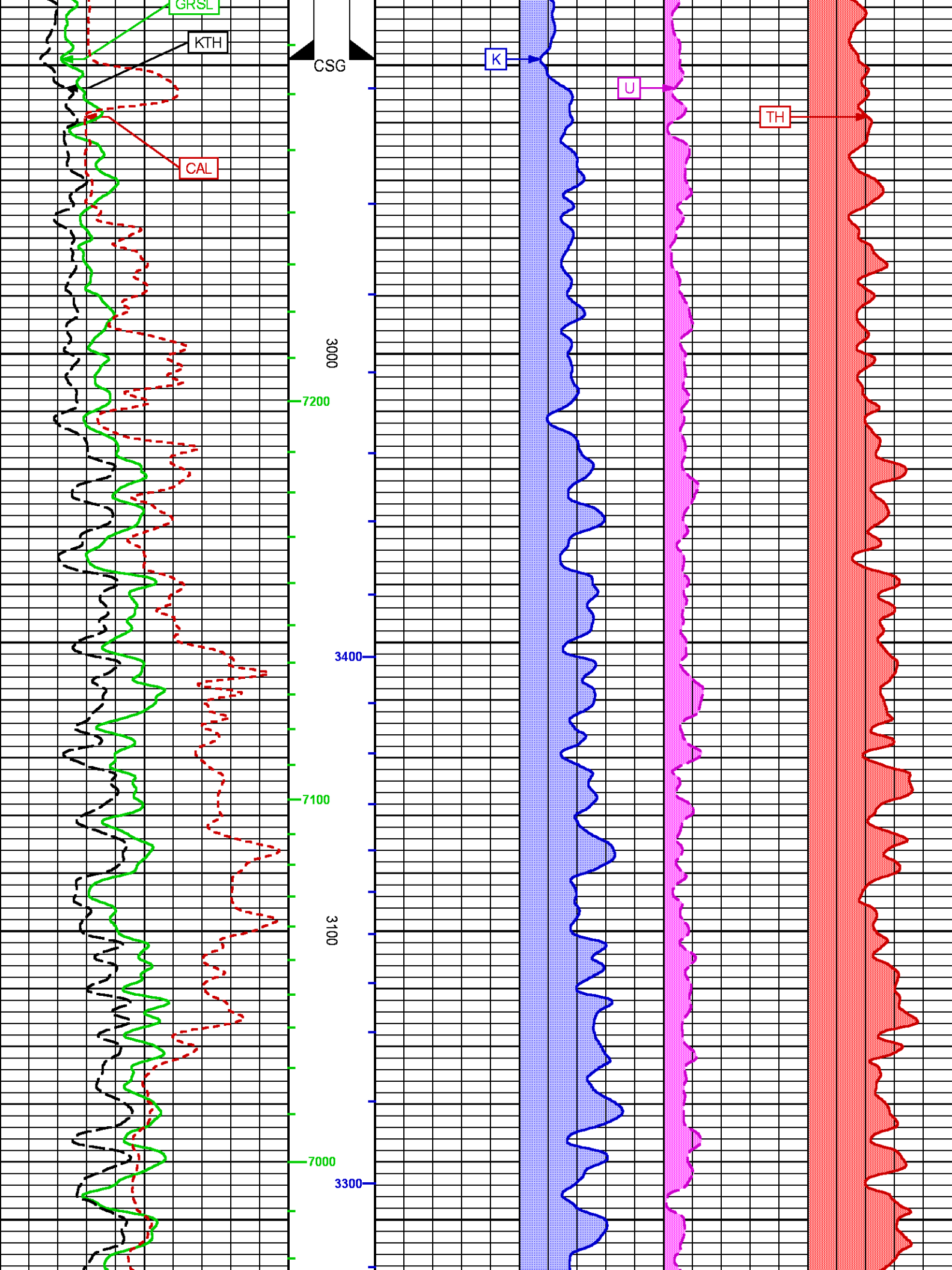
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BVOL	Dec 8 11:21:33 2013	BOREHOLE VOLUME
F1:CAL	Dec 8 11:21:33 2013	CALIPER
F1:CVOL	Dec 8 11:21:33 2013	CEMENT VOLUME
F1:GRSL	Dec 8 11:21:33 2013	GAMMA RAY FROM 1329 SPECTRUM
F1:K	Dec 8 11:21:33 2013	POTASSIUM CONTENT
F1:KTH	Dec 8 11:21:33 2013	STRIPPED POTASSIUM-THORIUM
F1:TH	Dec 8 11:21:33 2013	THORIUM CONCENTRATION
F1:U	Dec 8 11:21:33 2013	URANIUM CONTENT

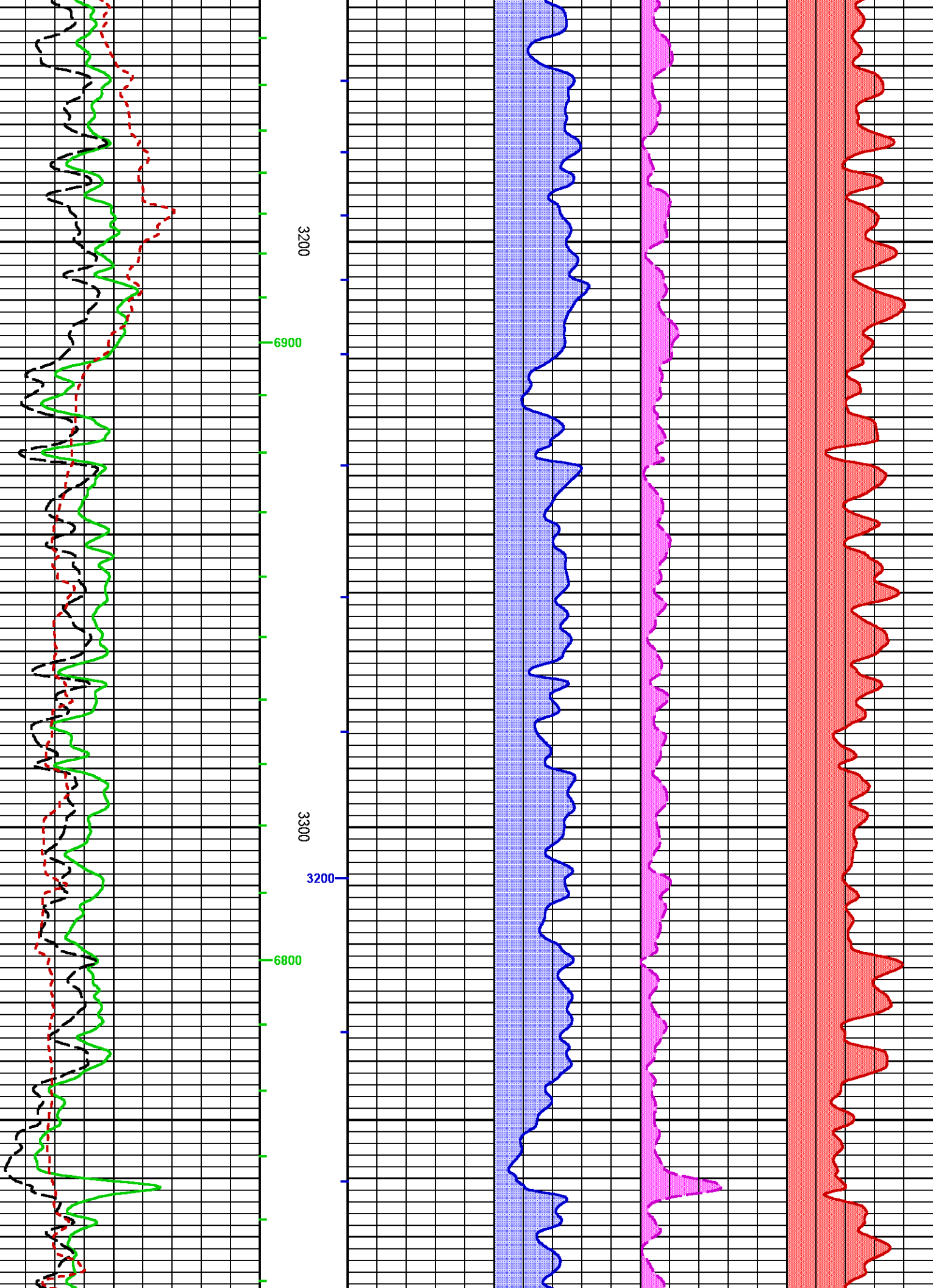
## CURVE MEASURE POINT OFFSET

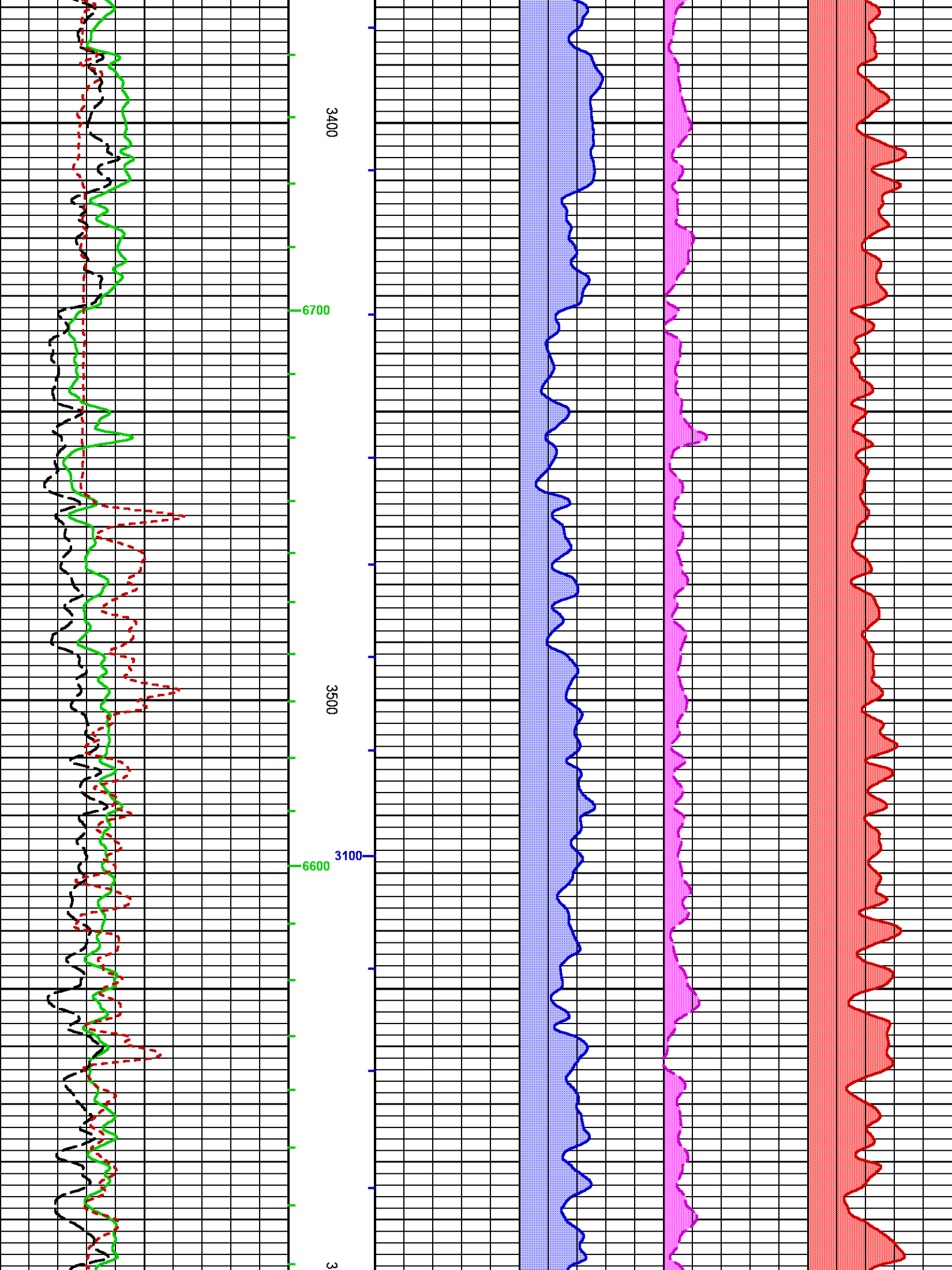
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CAL	90.00	K	111.75	TH	111.75		
GRSL	111.75	KTH	111.75	U	111.75		

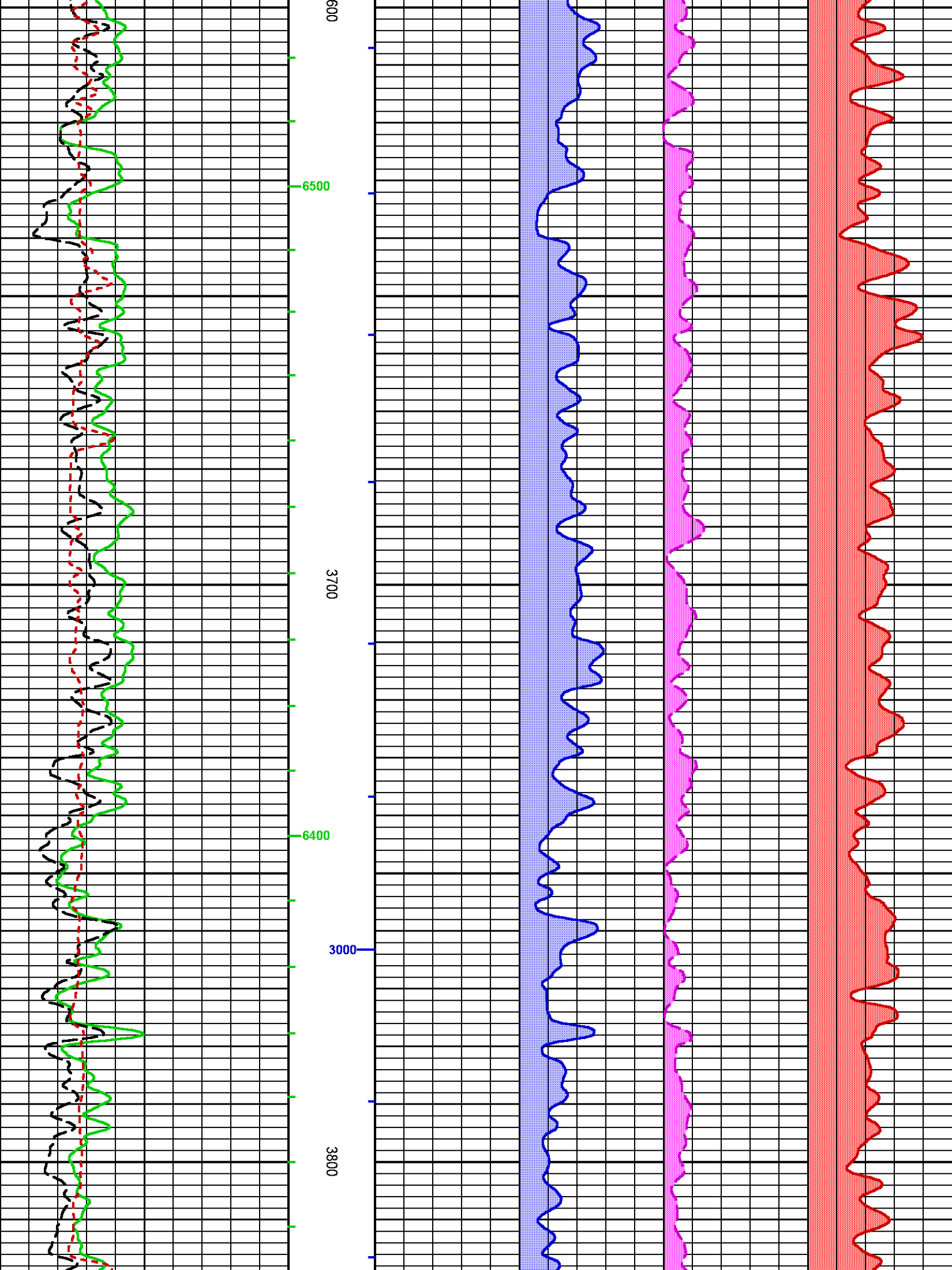
**Presentation** : HL6670:/dat1a/625272/DSL.fvpdf [5"/100' Scale]  
**Plot Interval** : 2900 - 10551 Feet  
  
**Data File 1** : F1 : HL6670:/dat1a/625272/n777v02-MAIN1.xtf  
**Created On** : Dec 8 11:21:33 2013  
**Company** : WPX ENERGY INC  
**Well** : PUCKETT GM 701-28-HN1  
**Field** : RULISON  
**File Interval** : -19.25 - 10551 Feet  
**OCT** : n777v

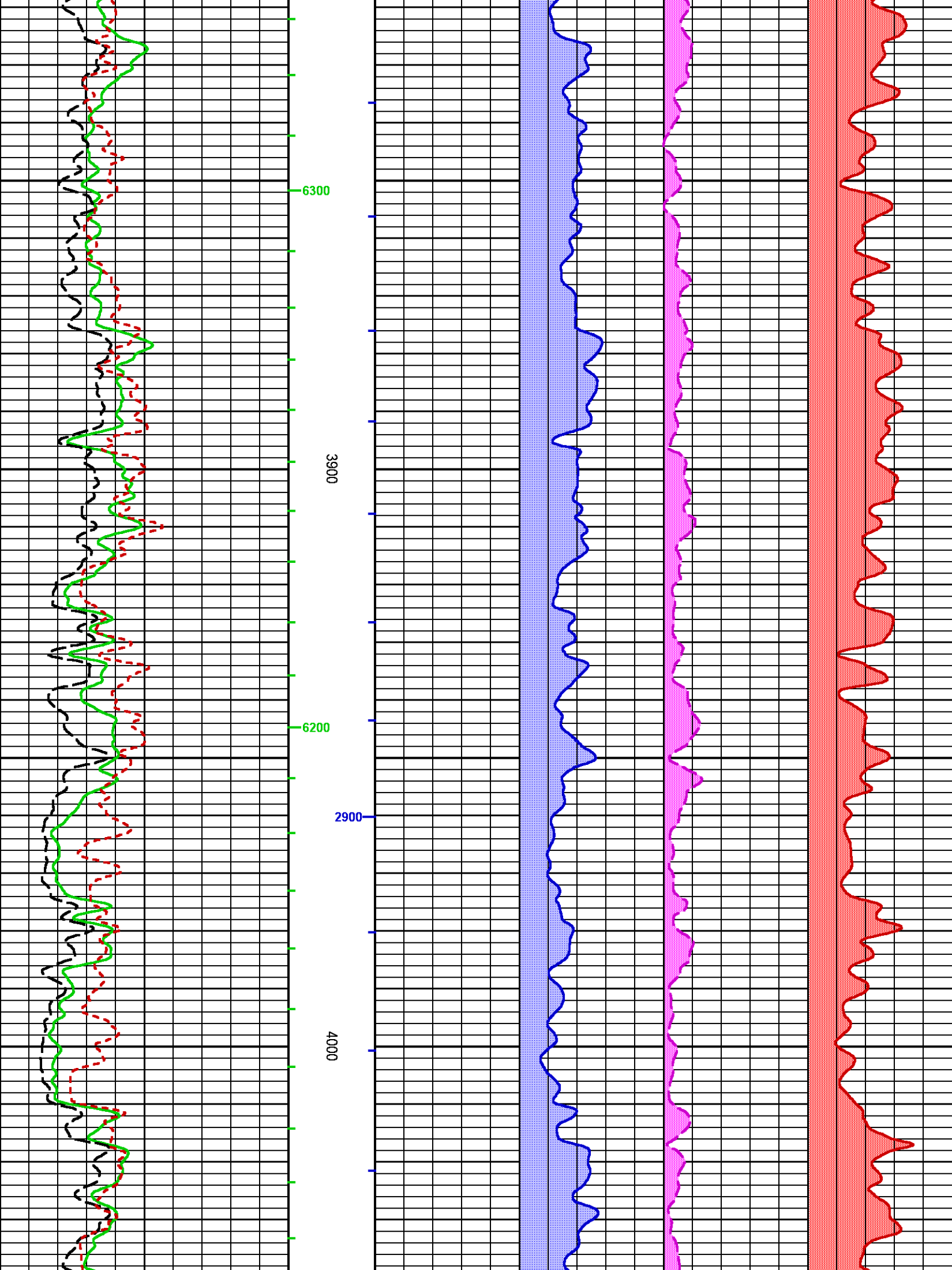


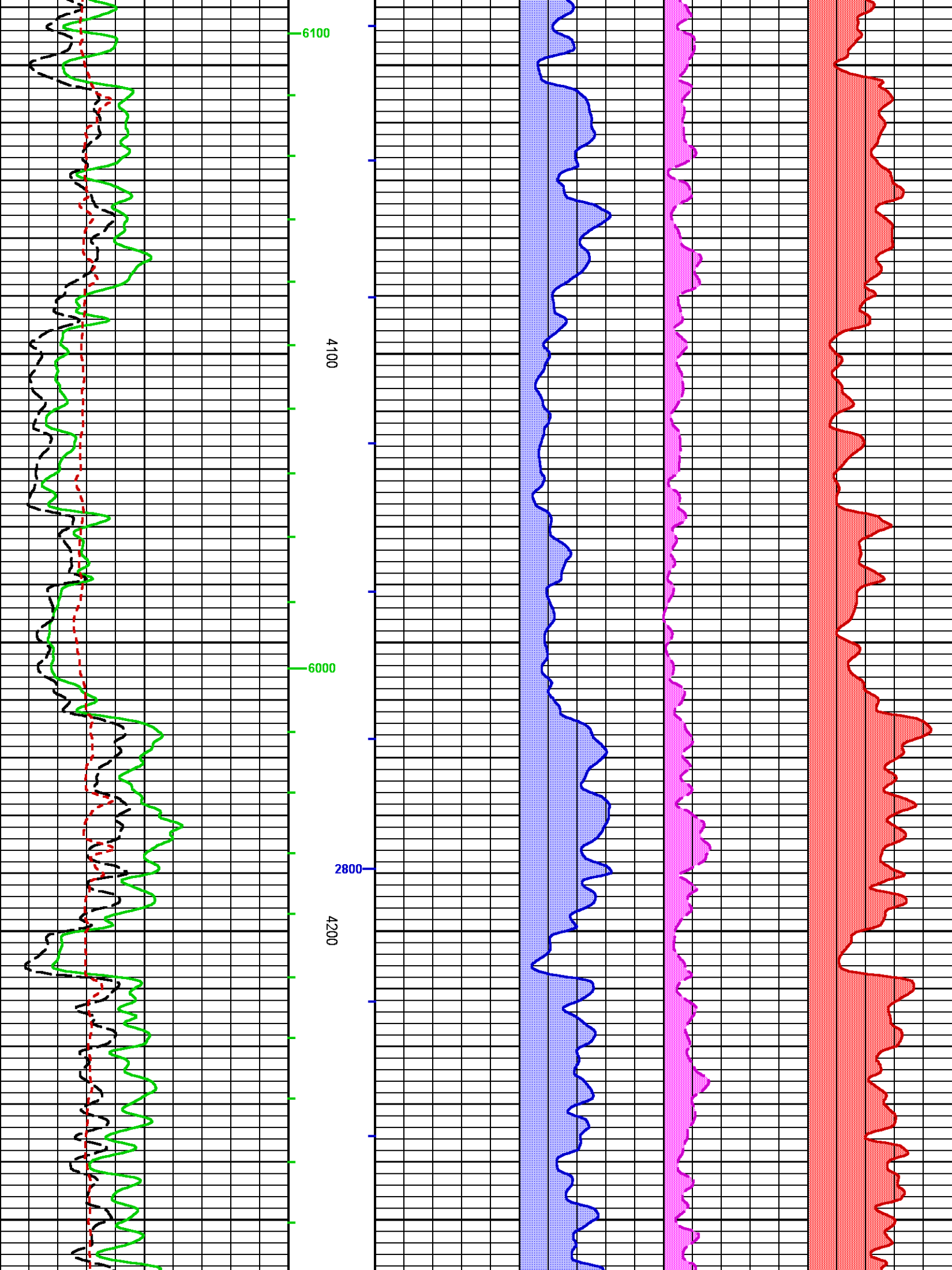


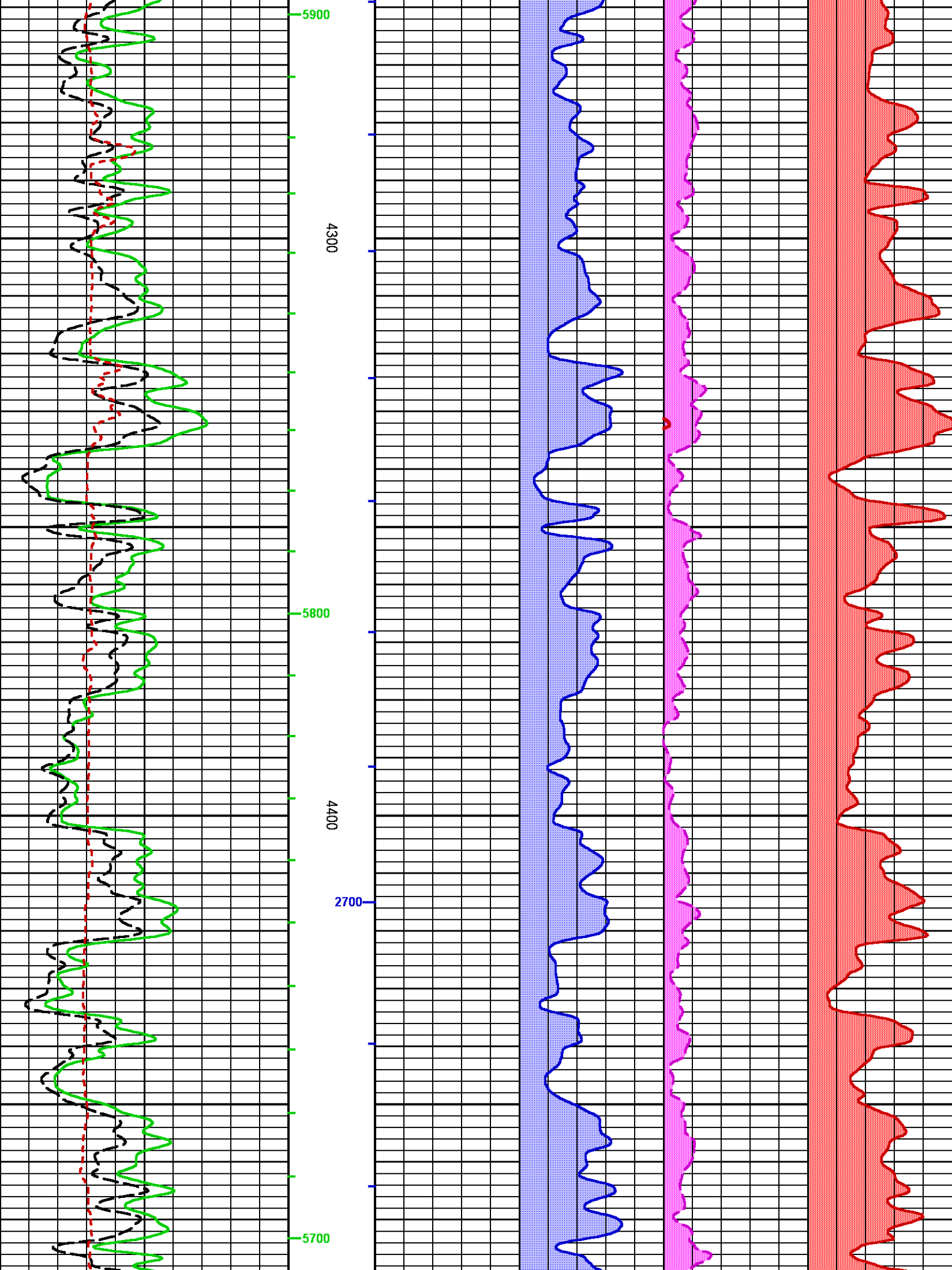


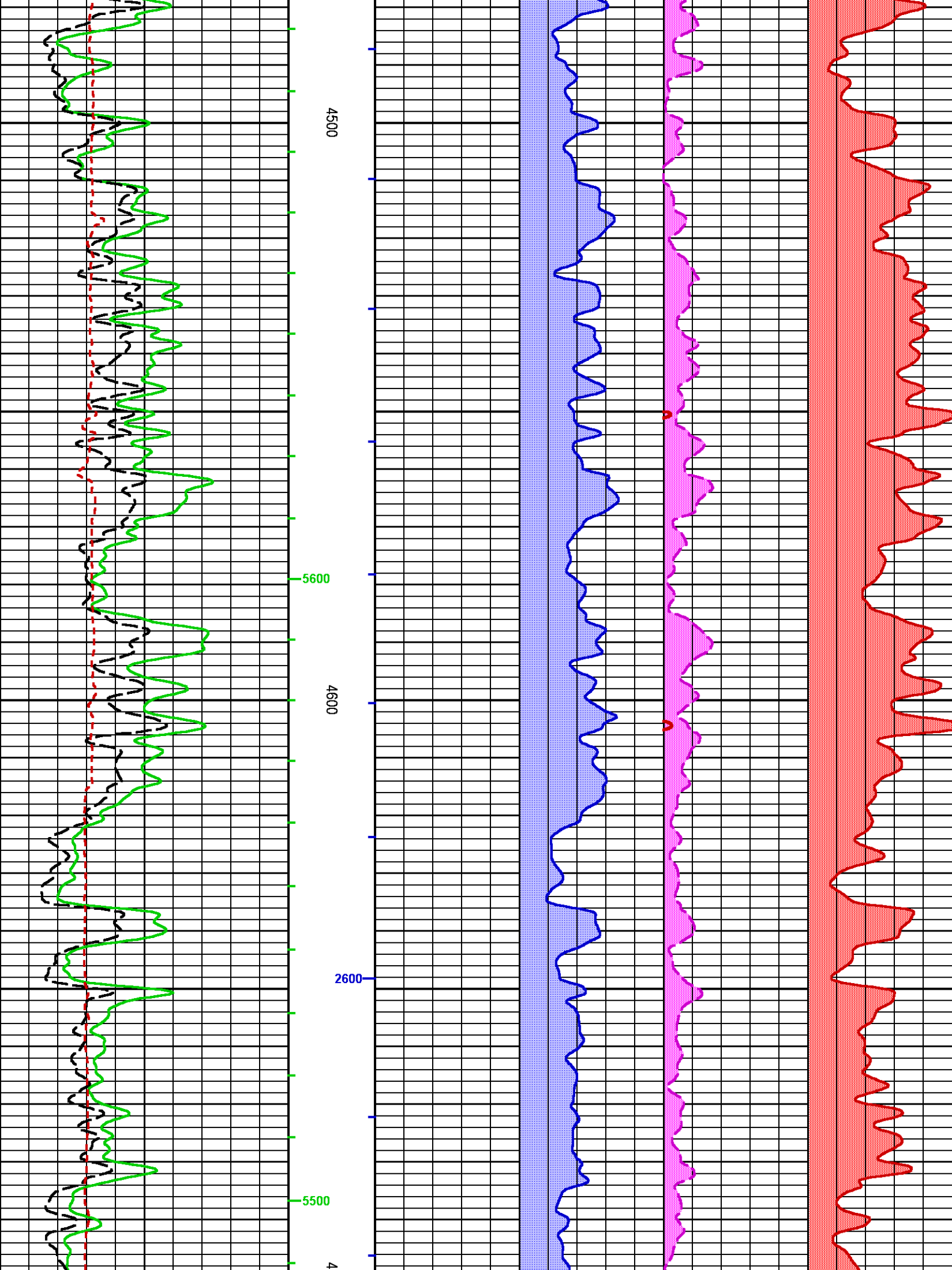


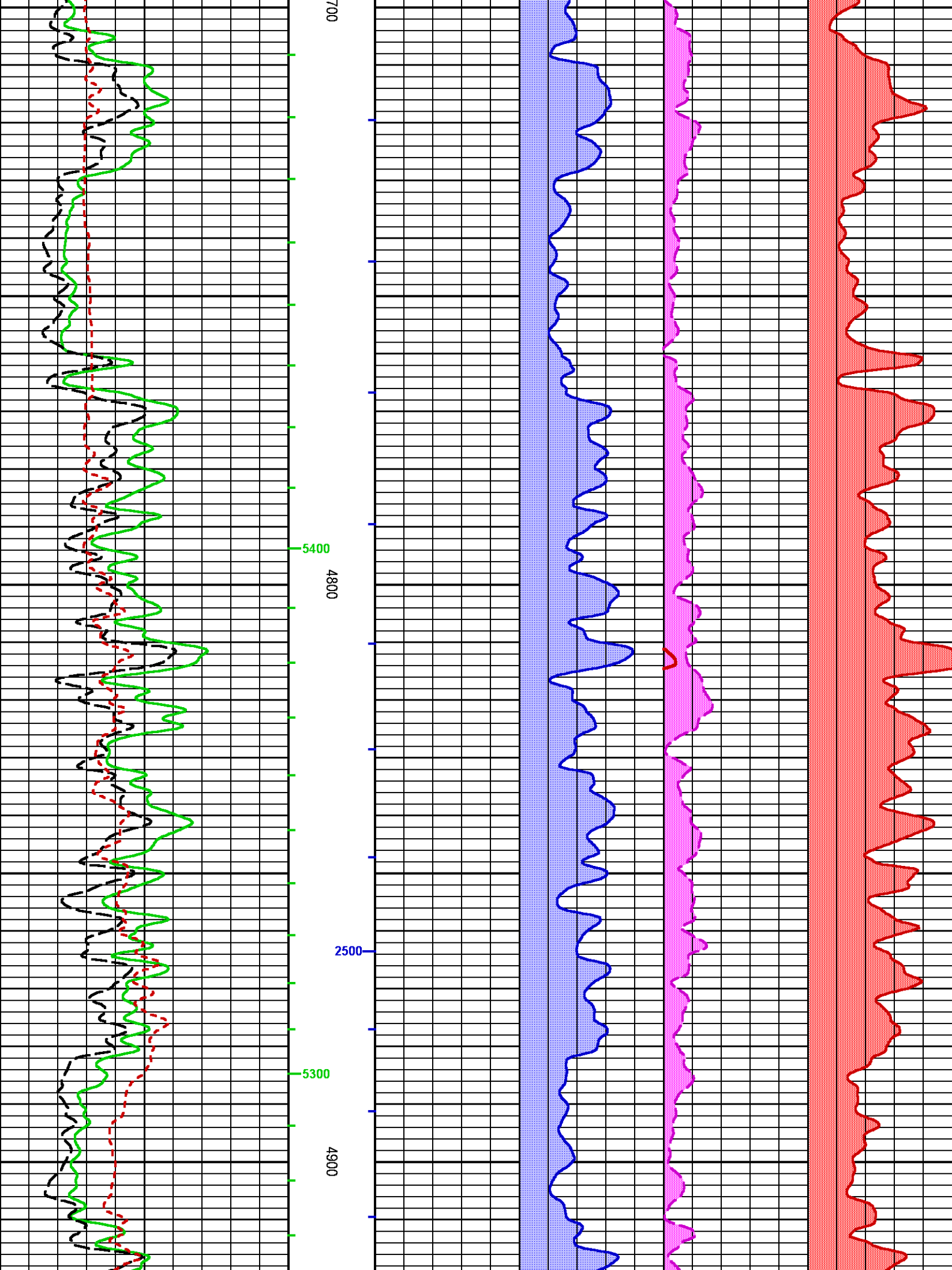


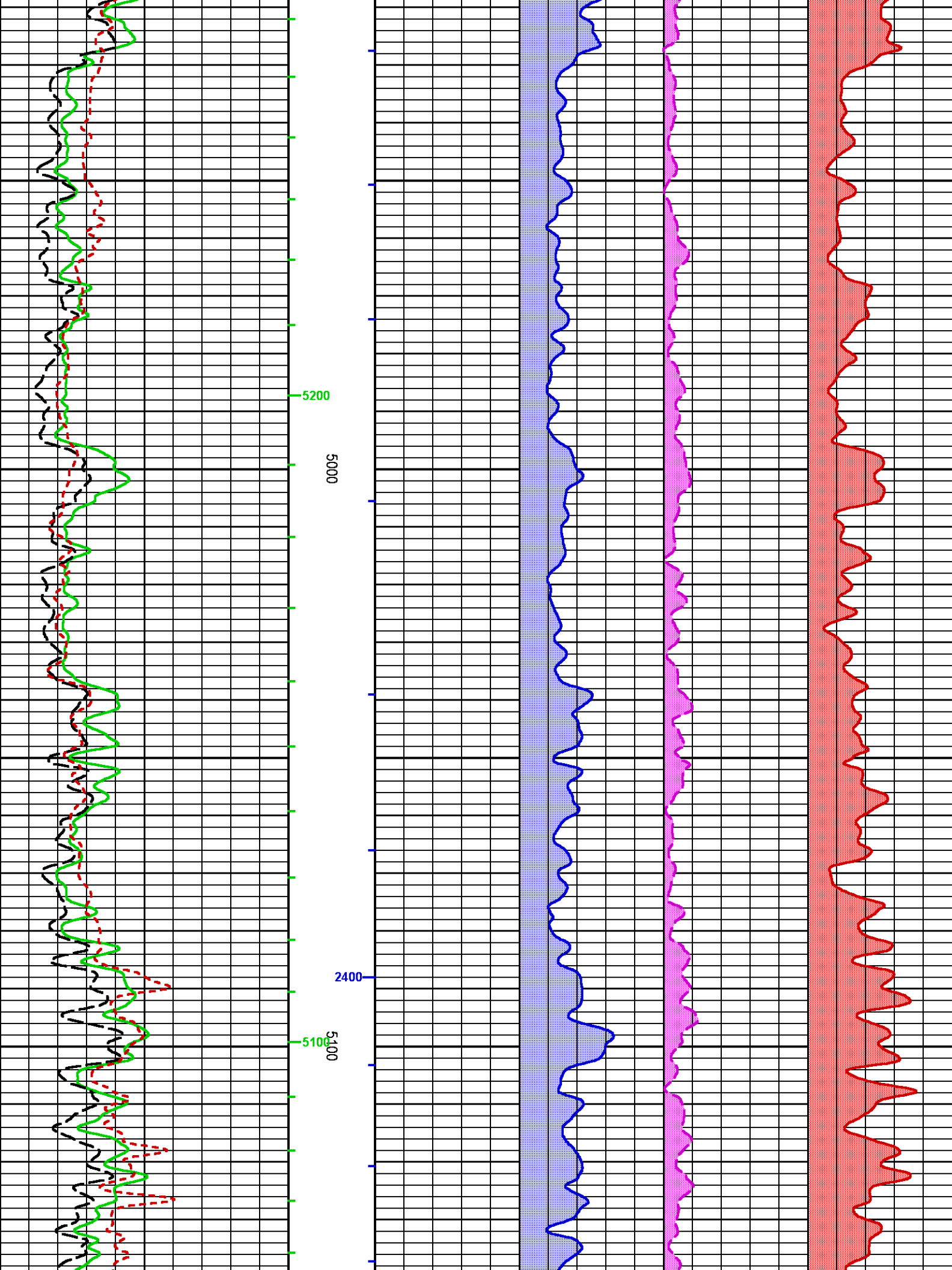


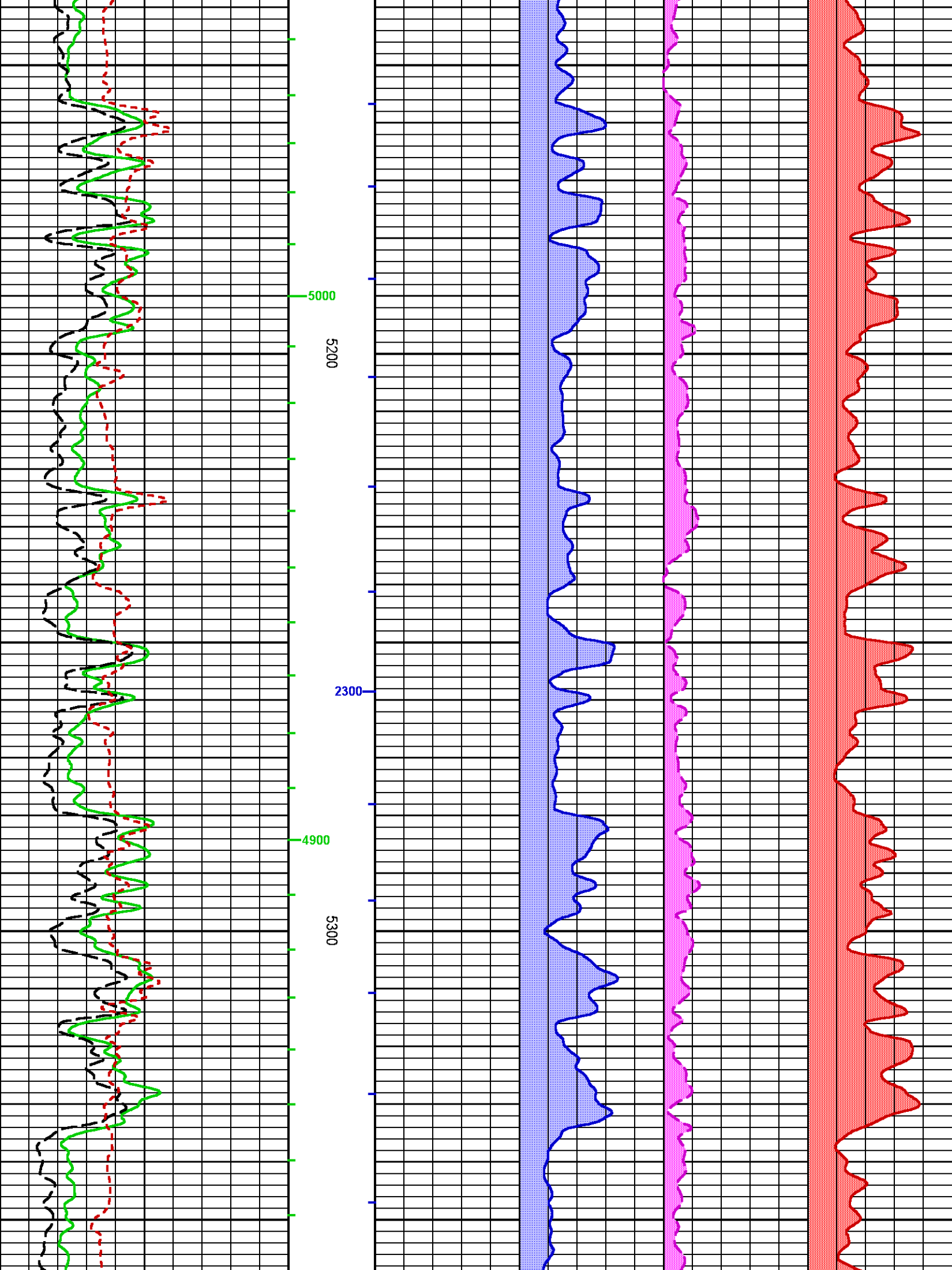


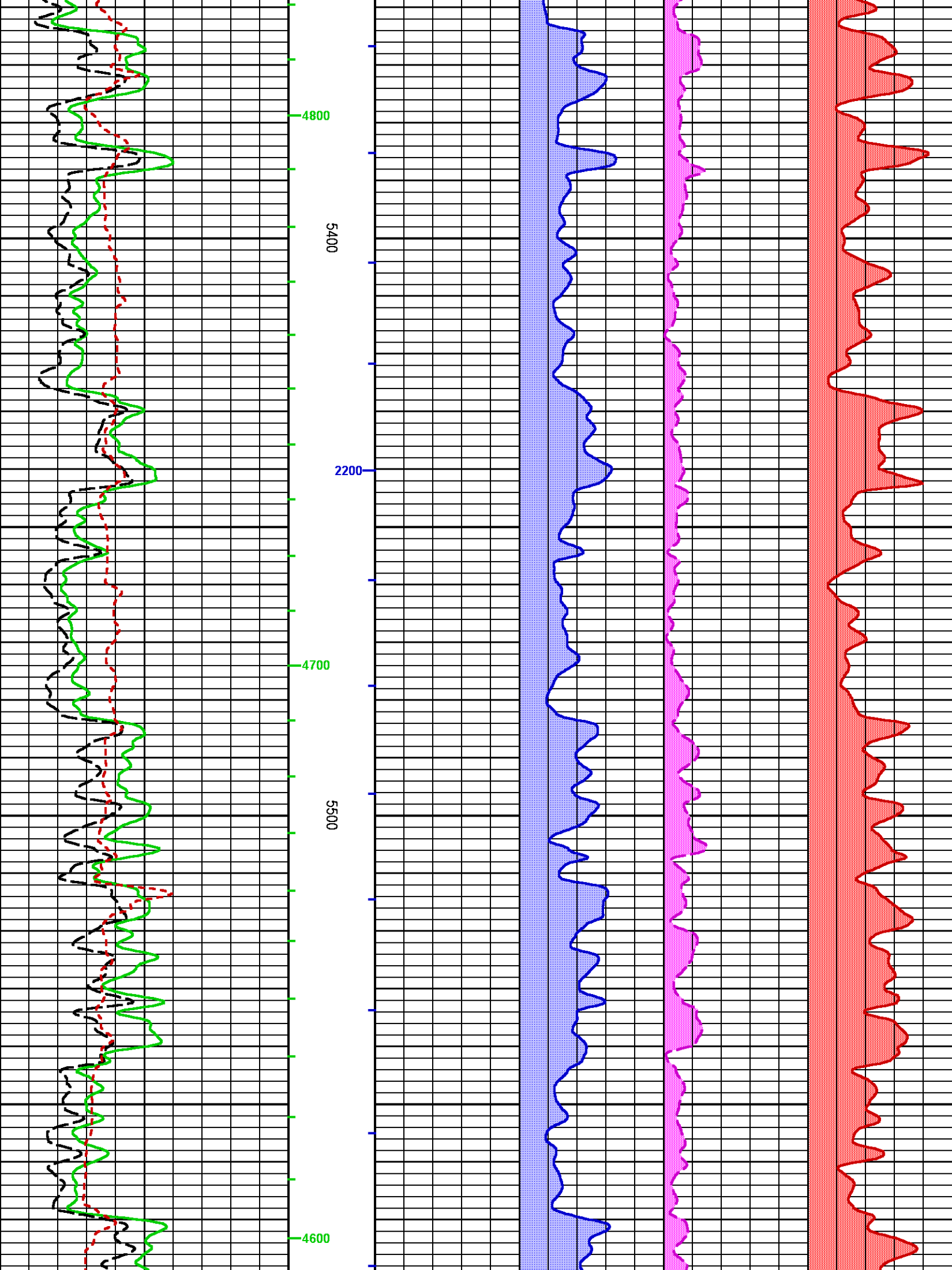


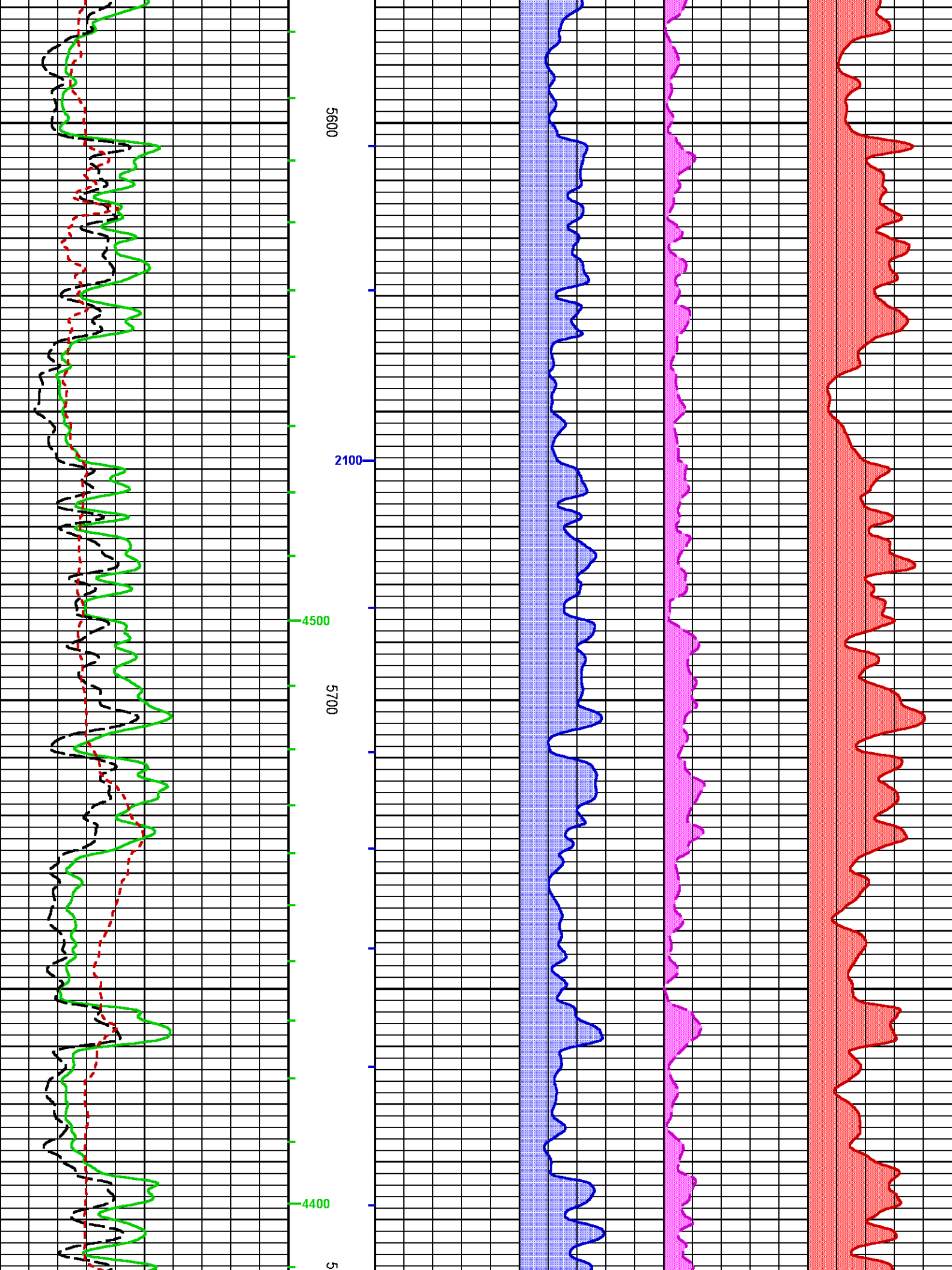


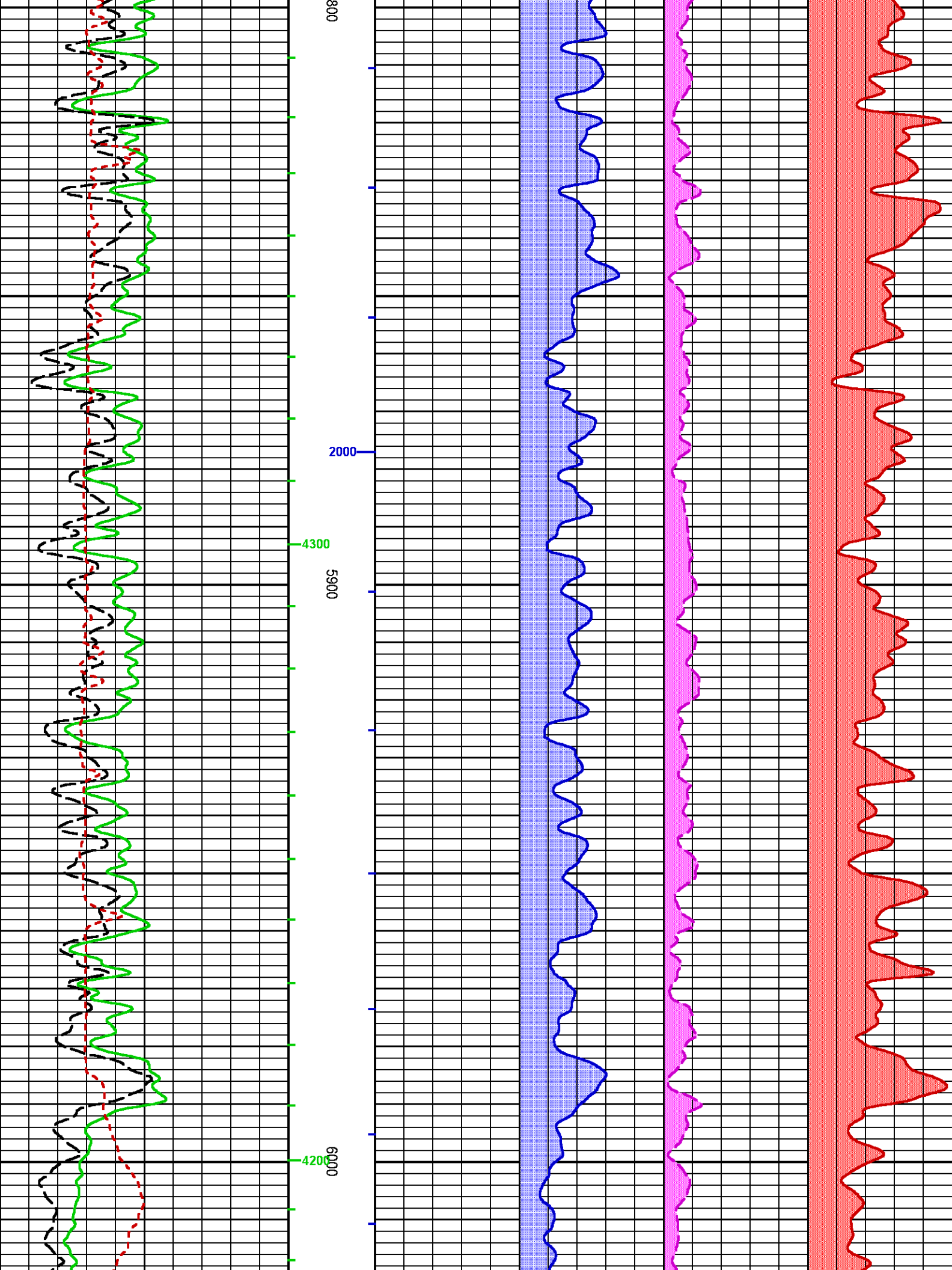


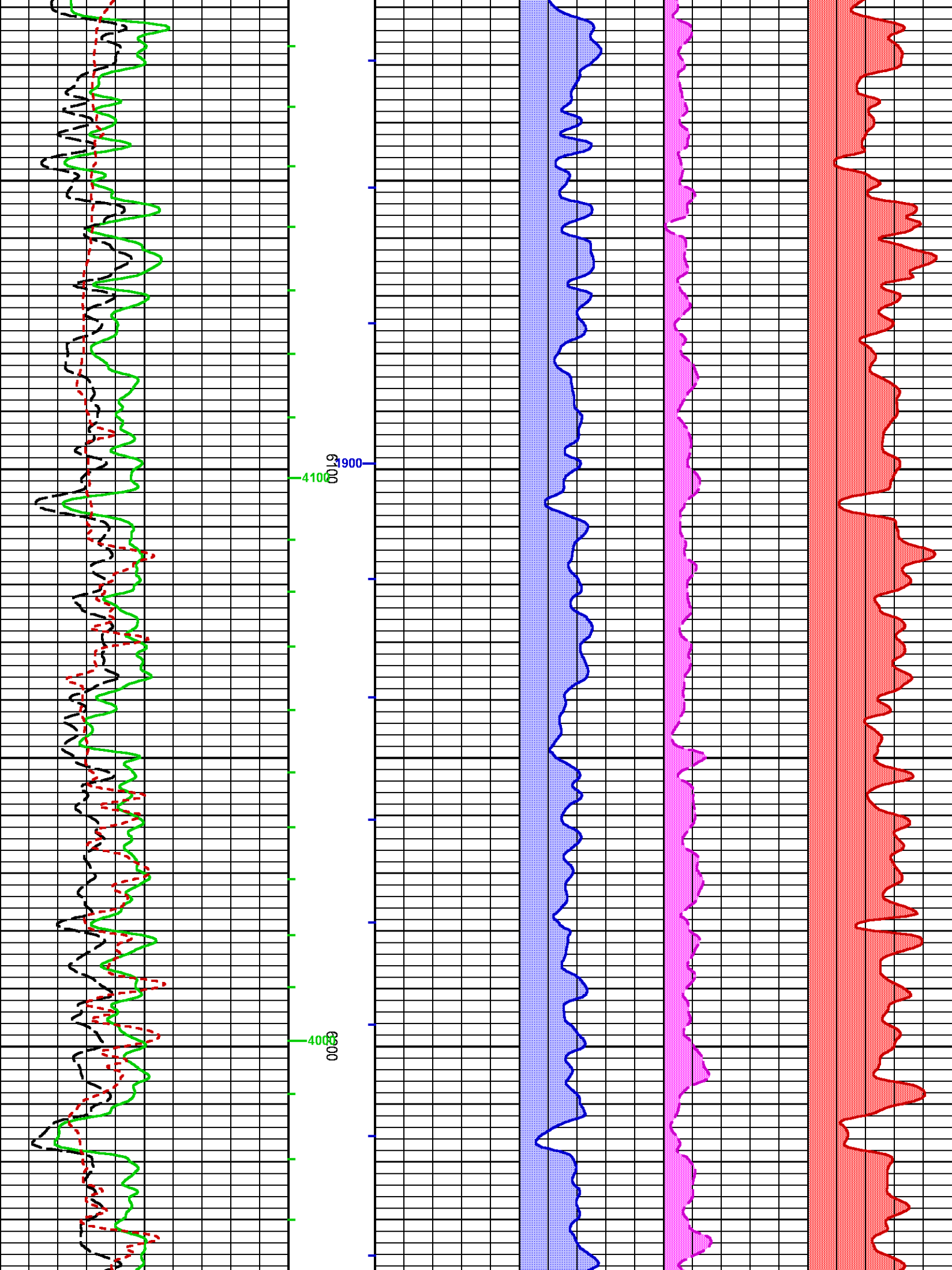


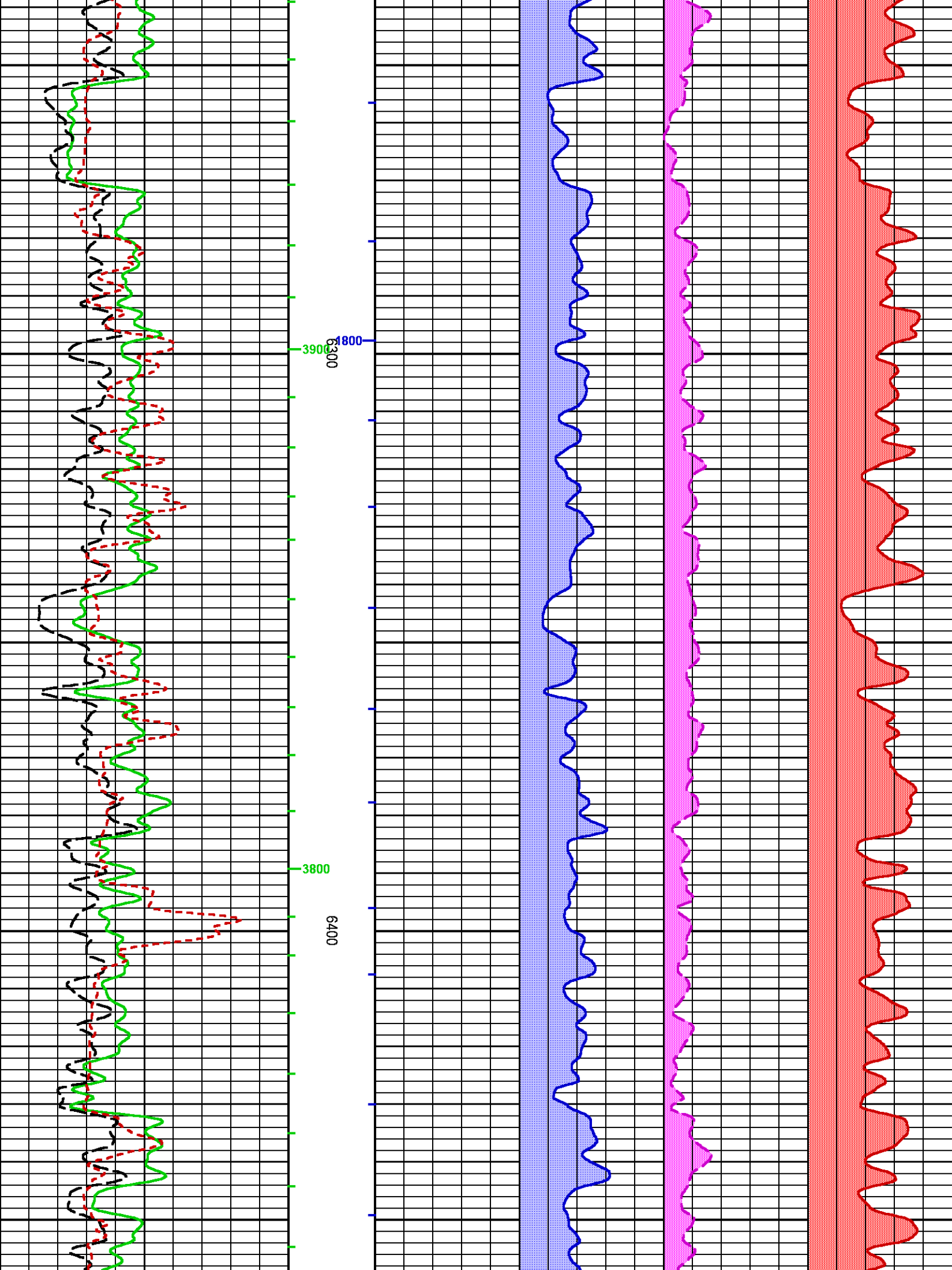


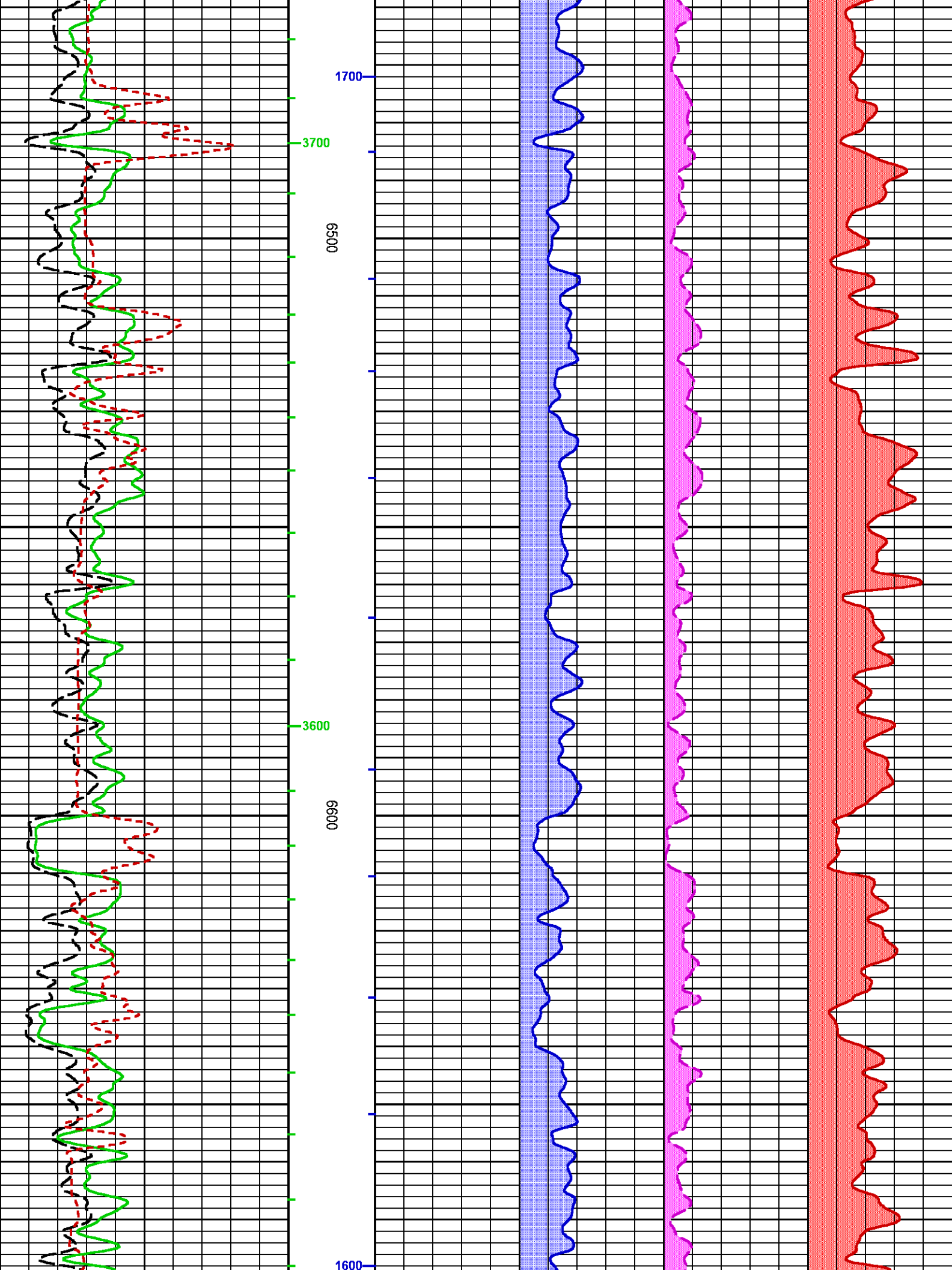


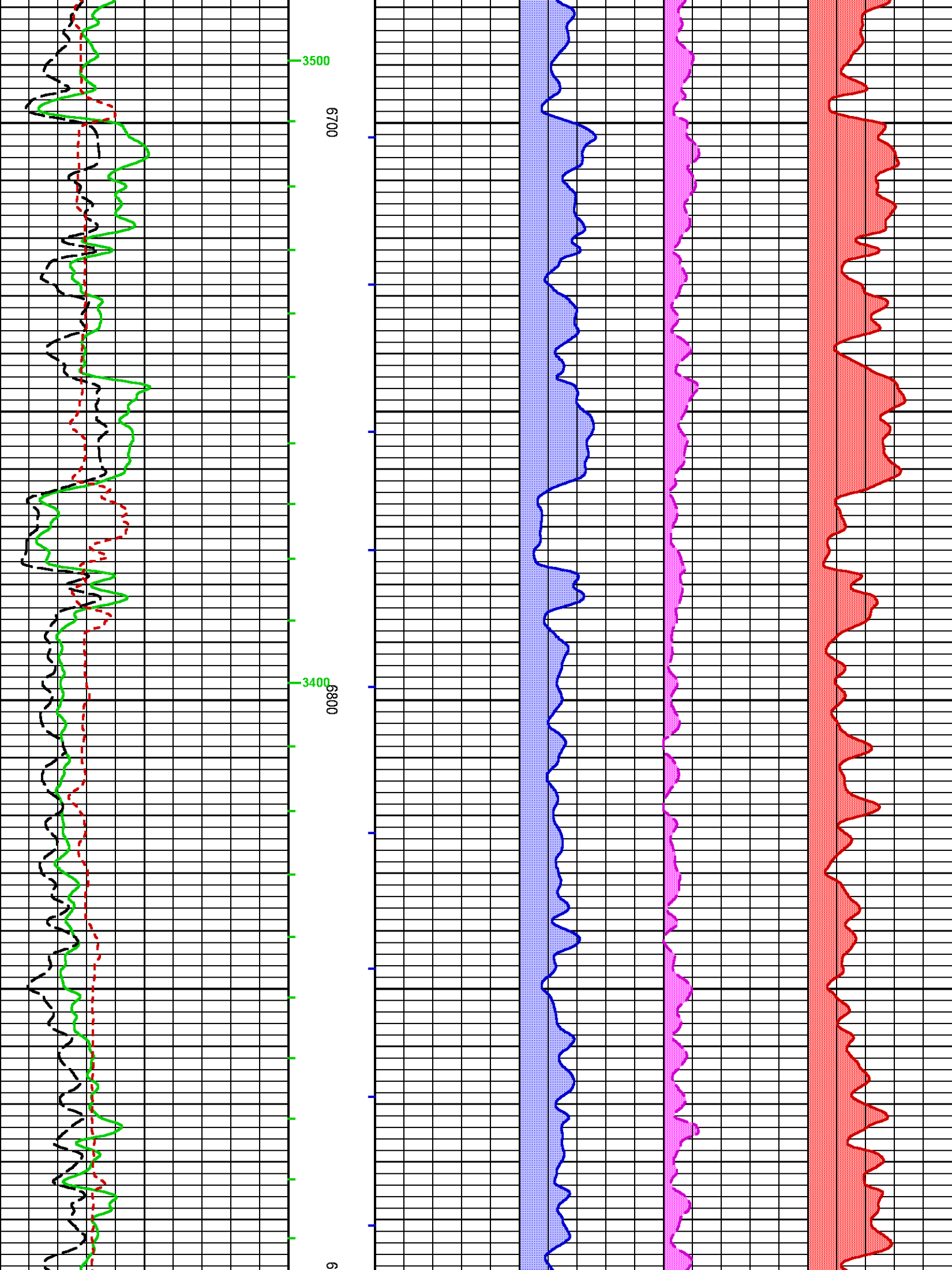


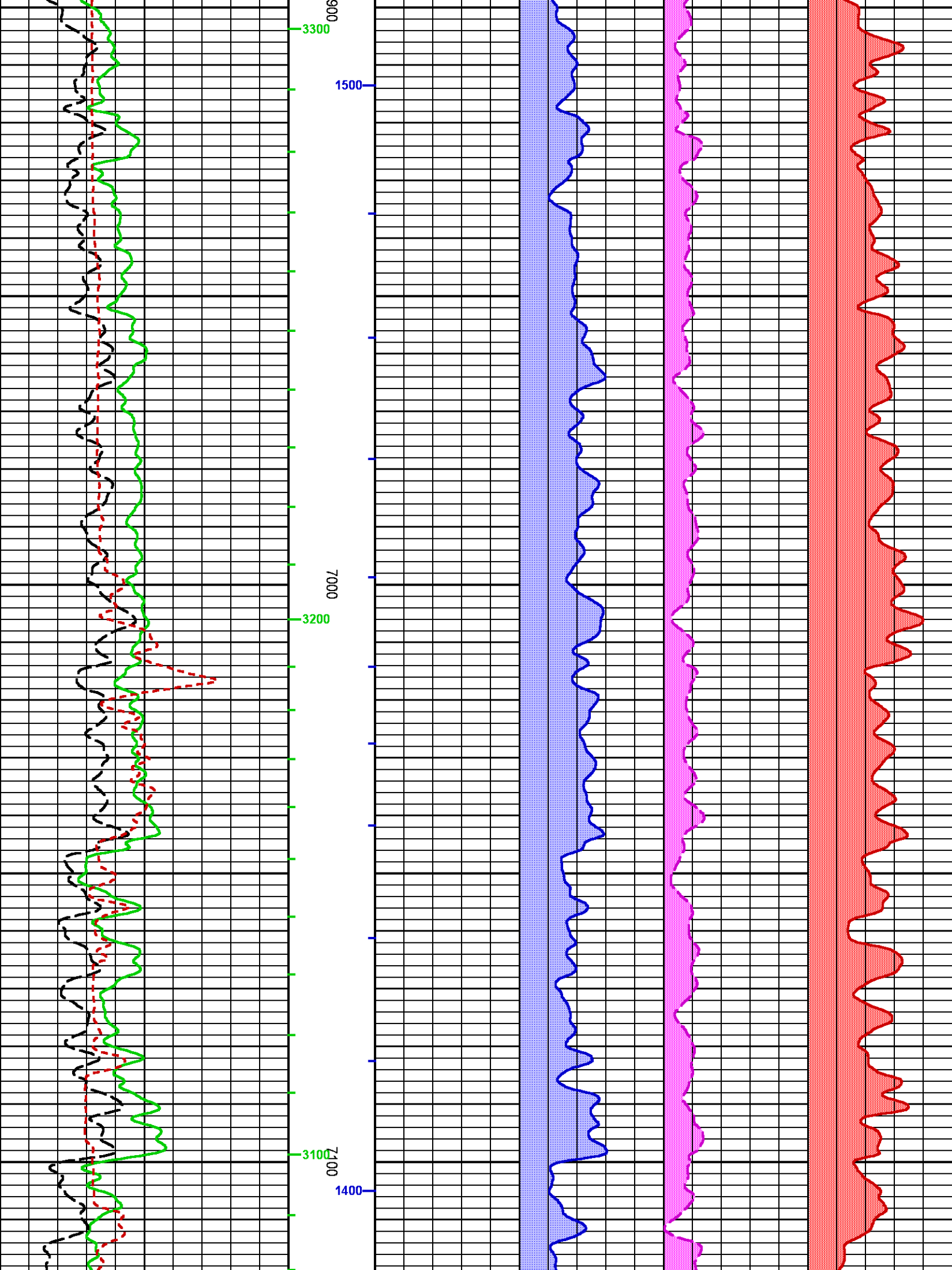


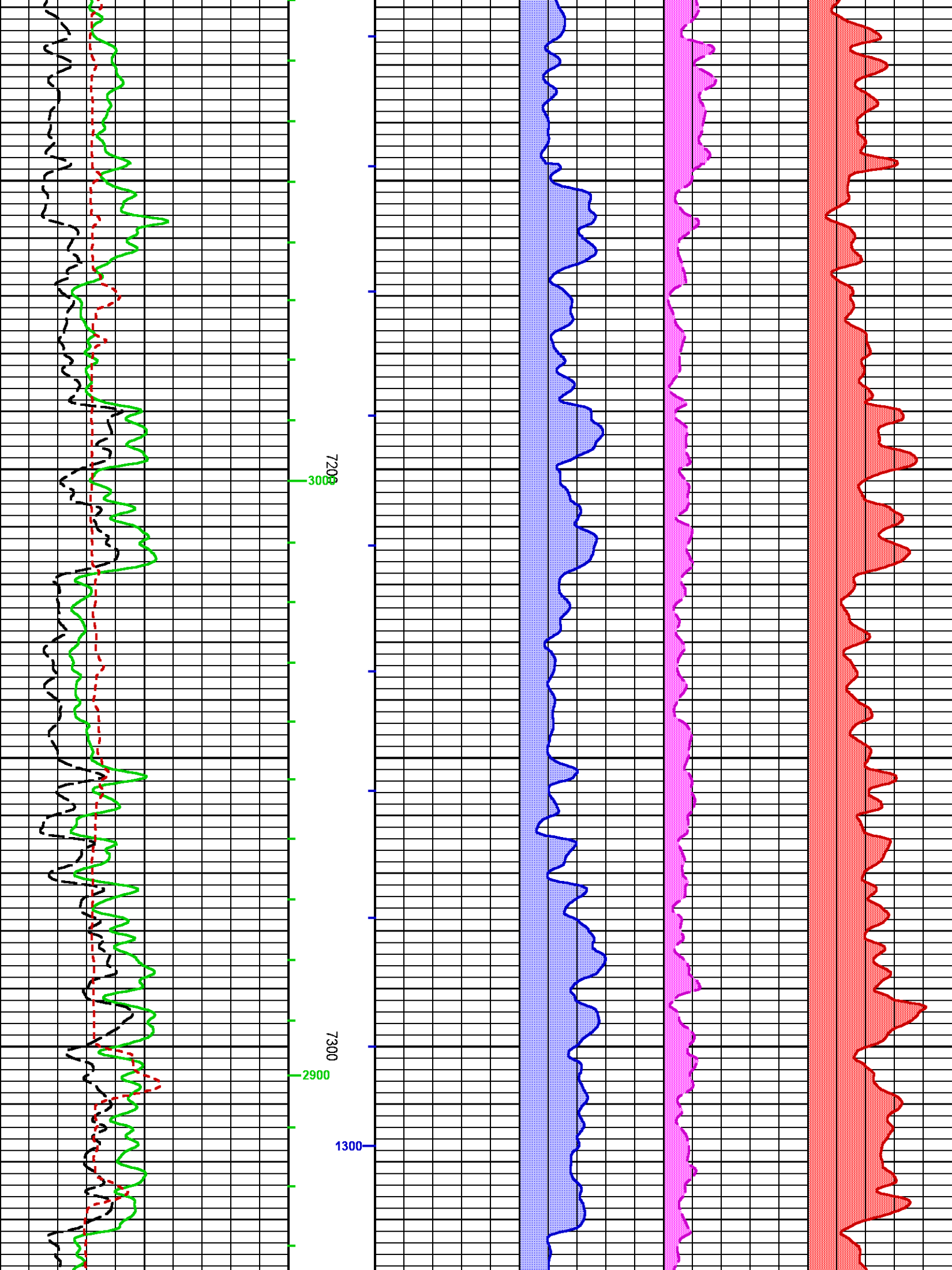


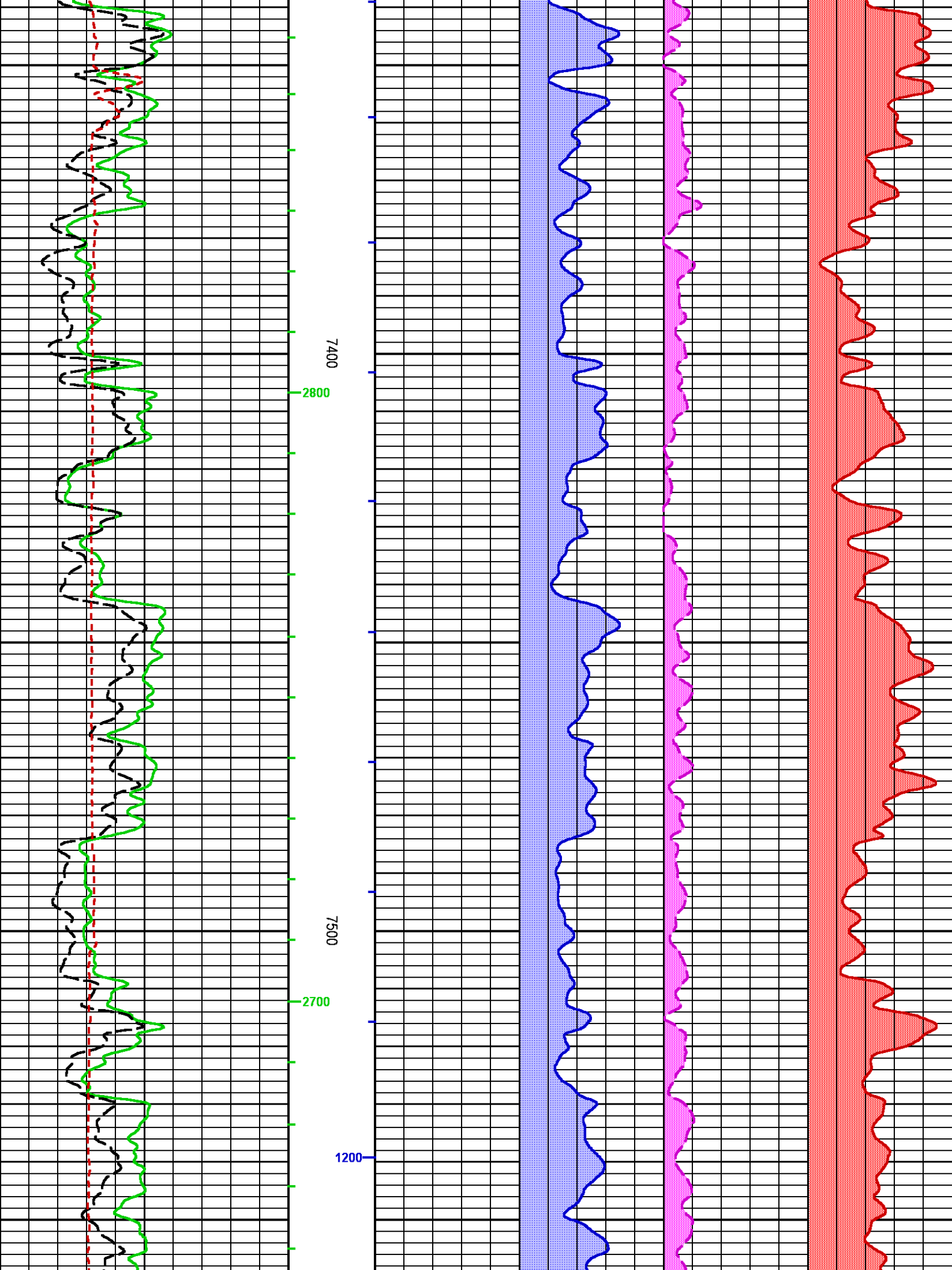


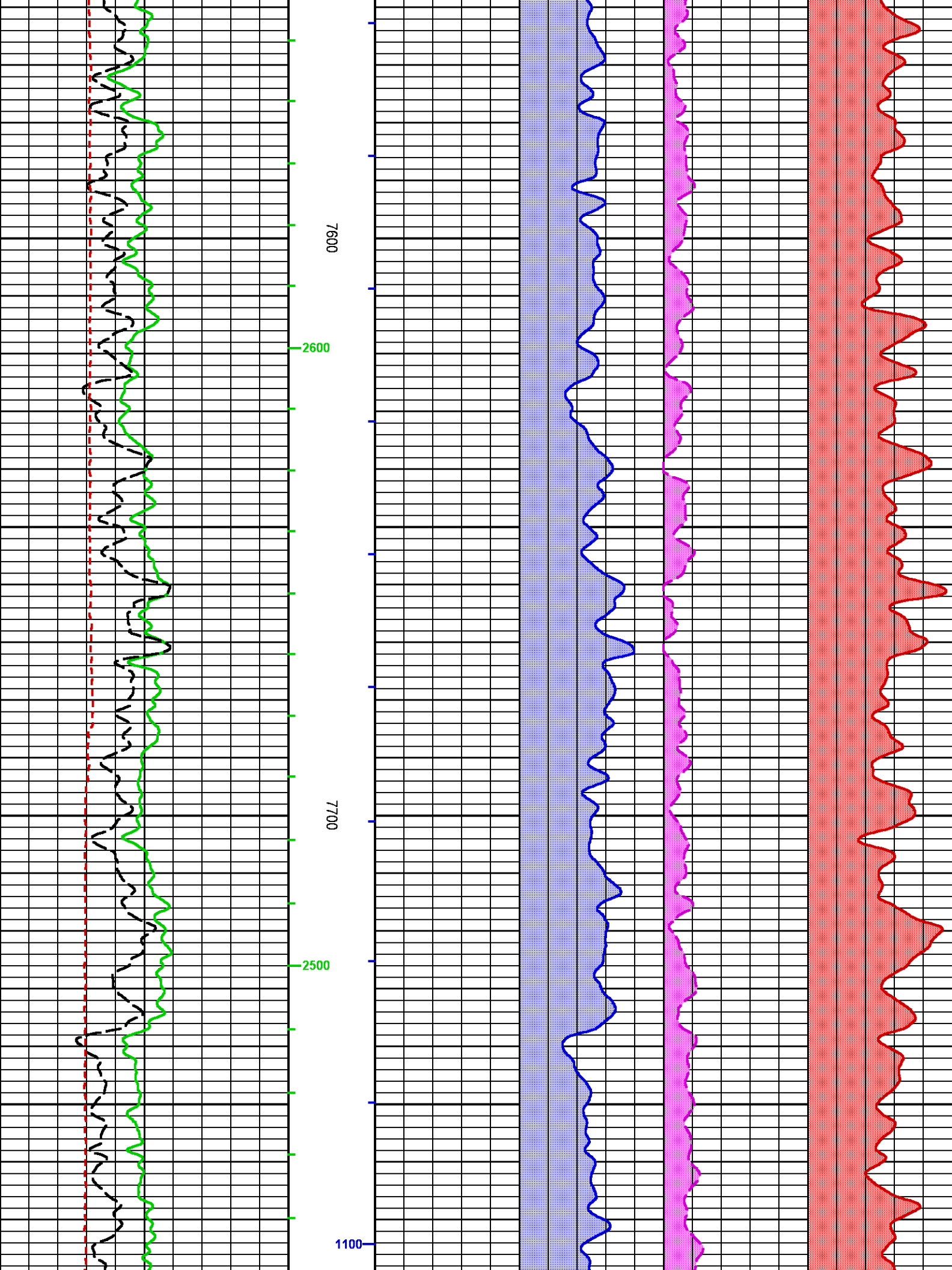


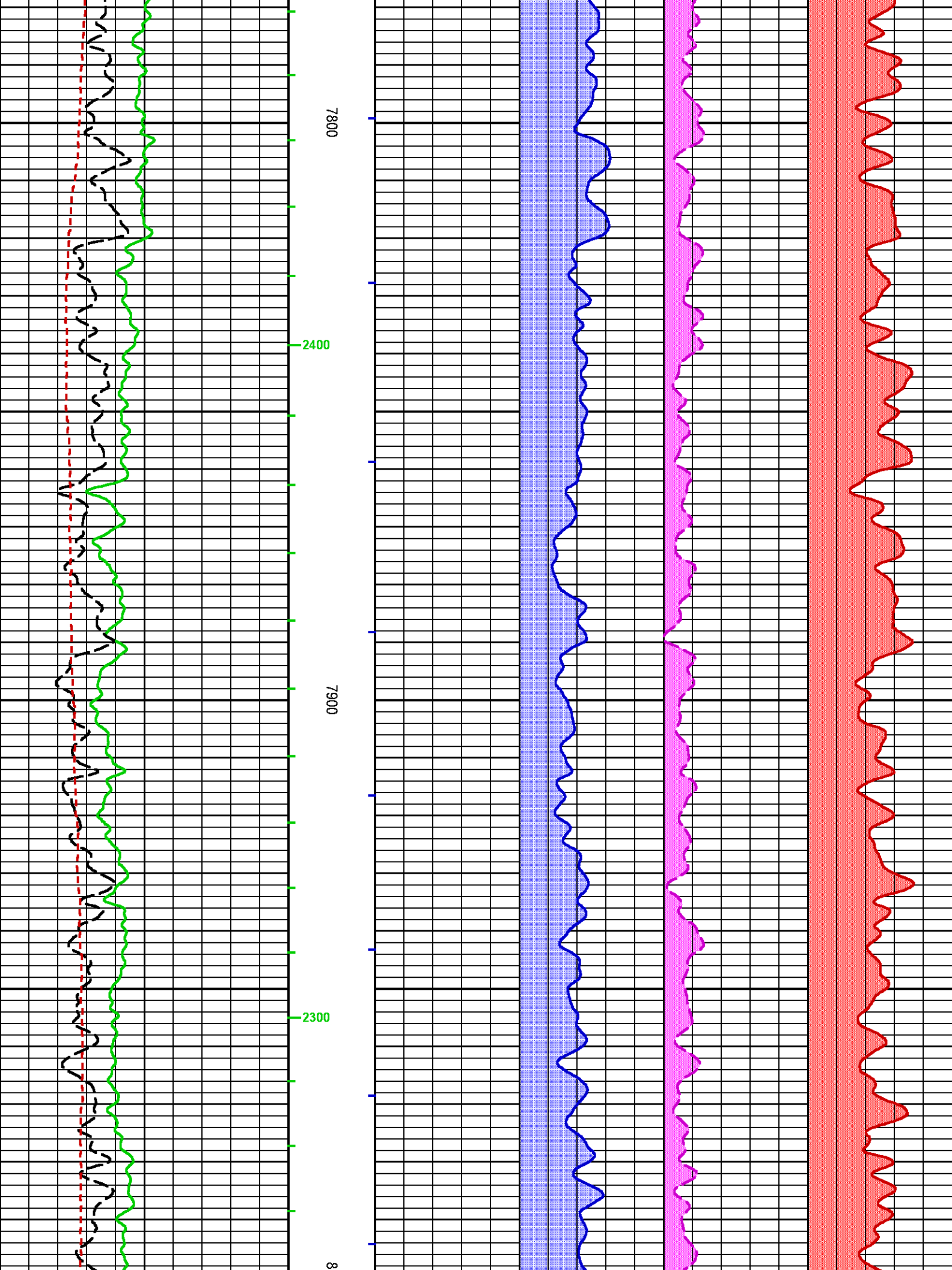


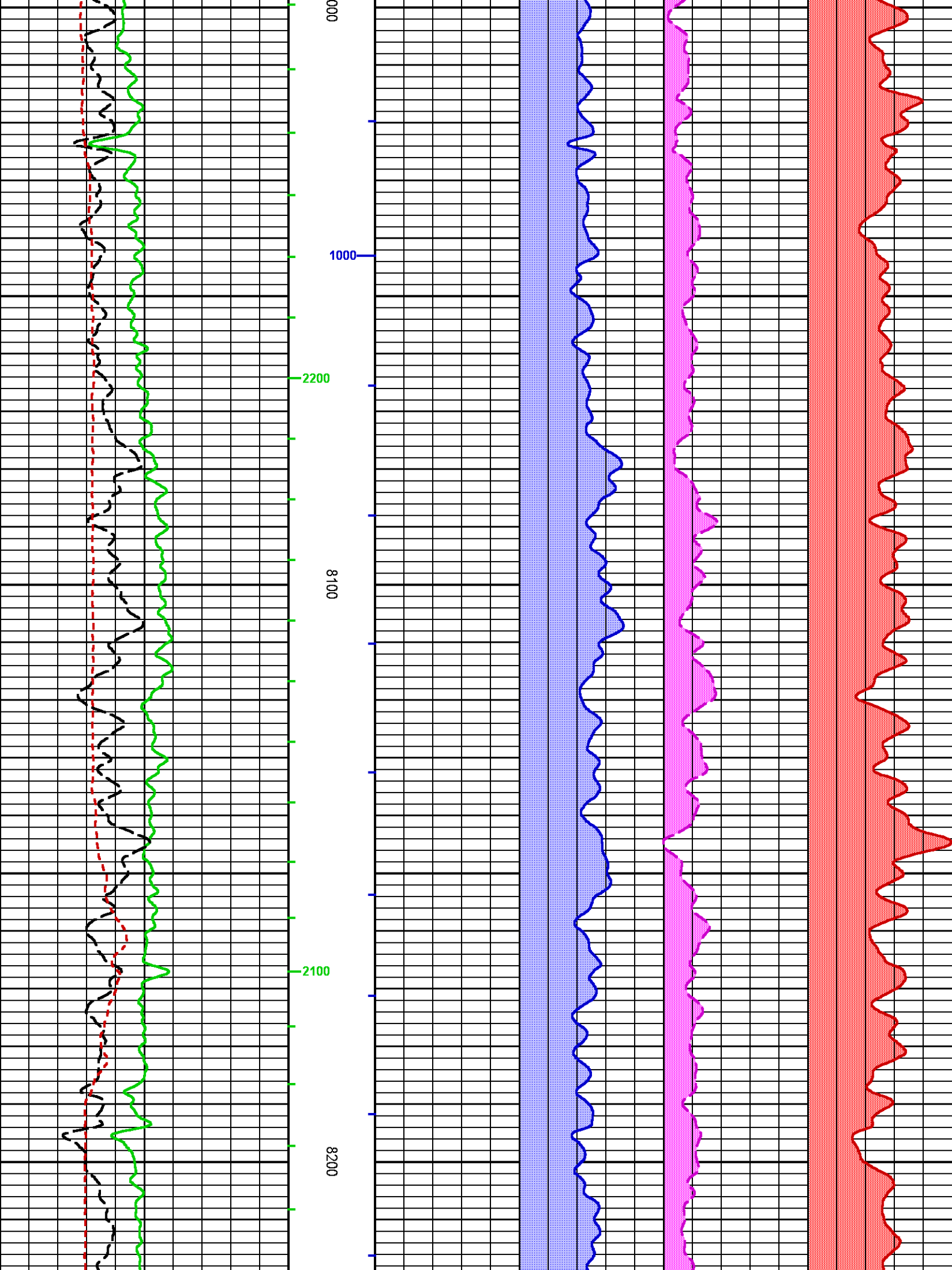


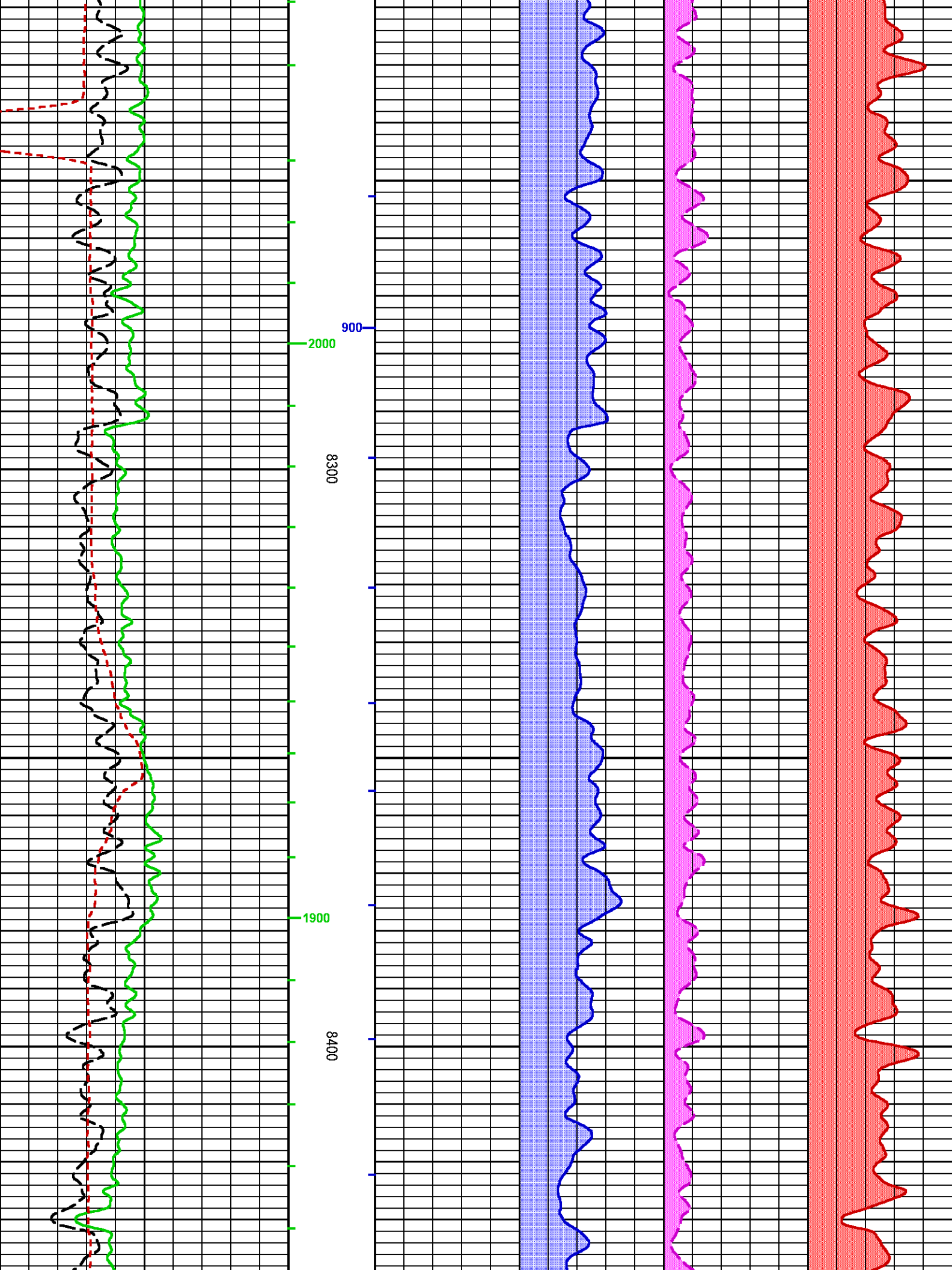


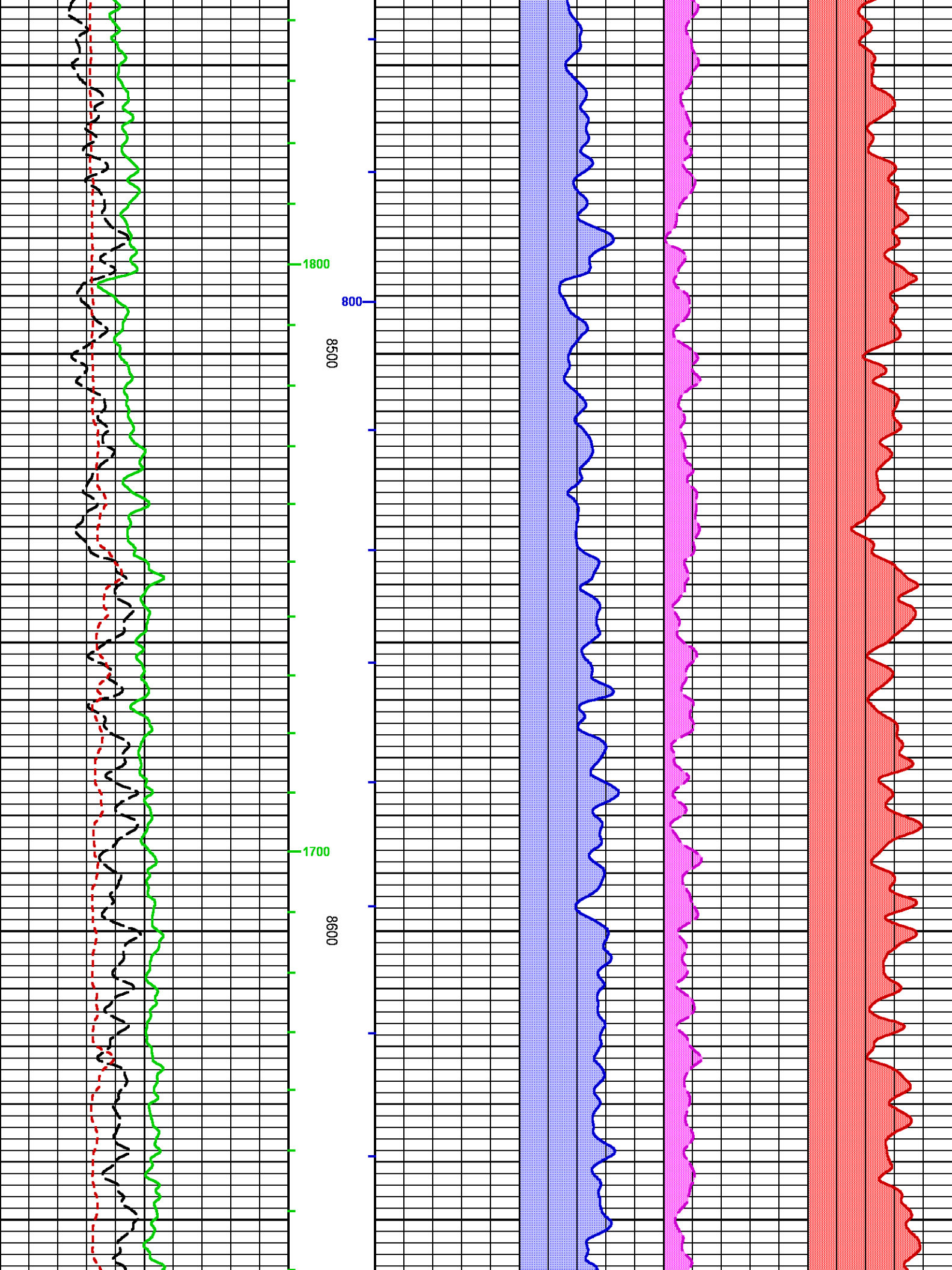


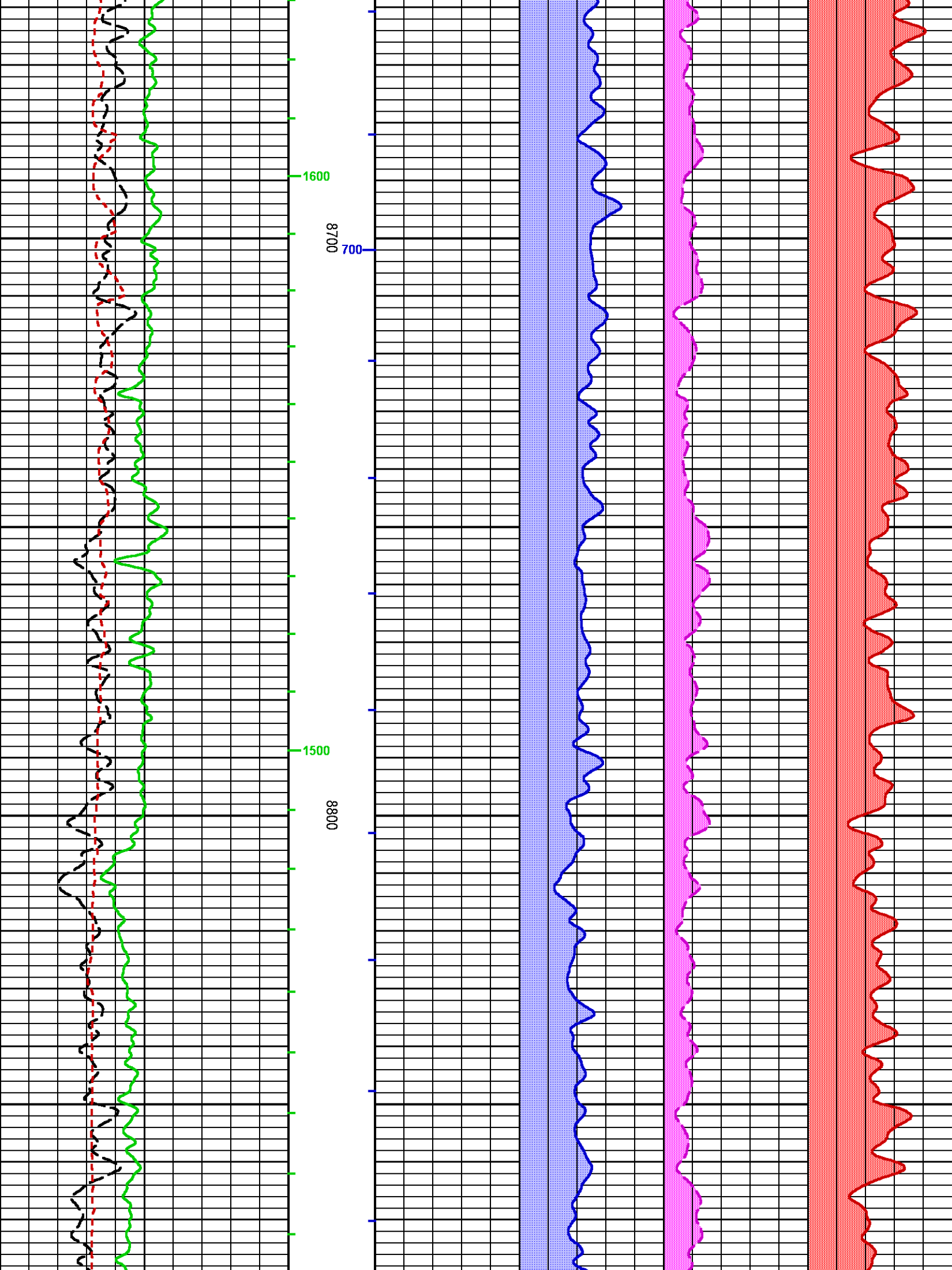


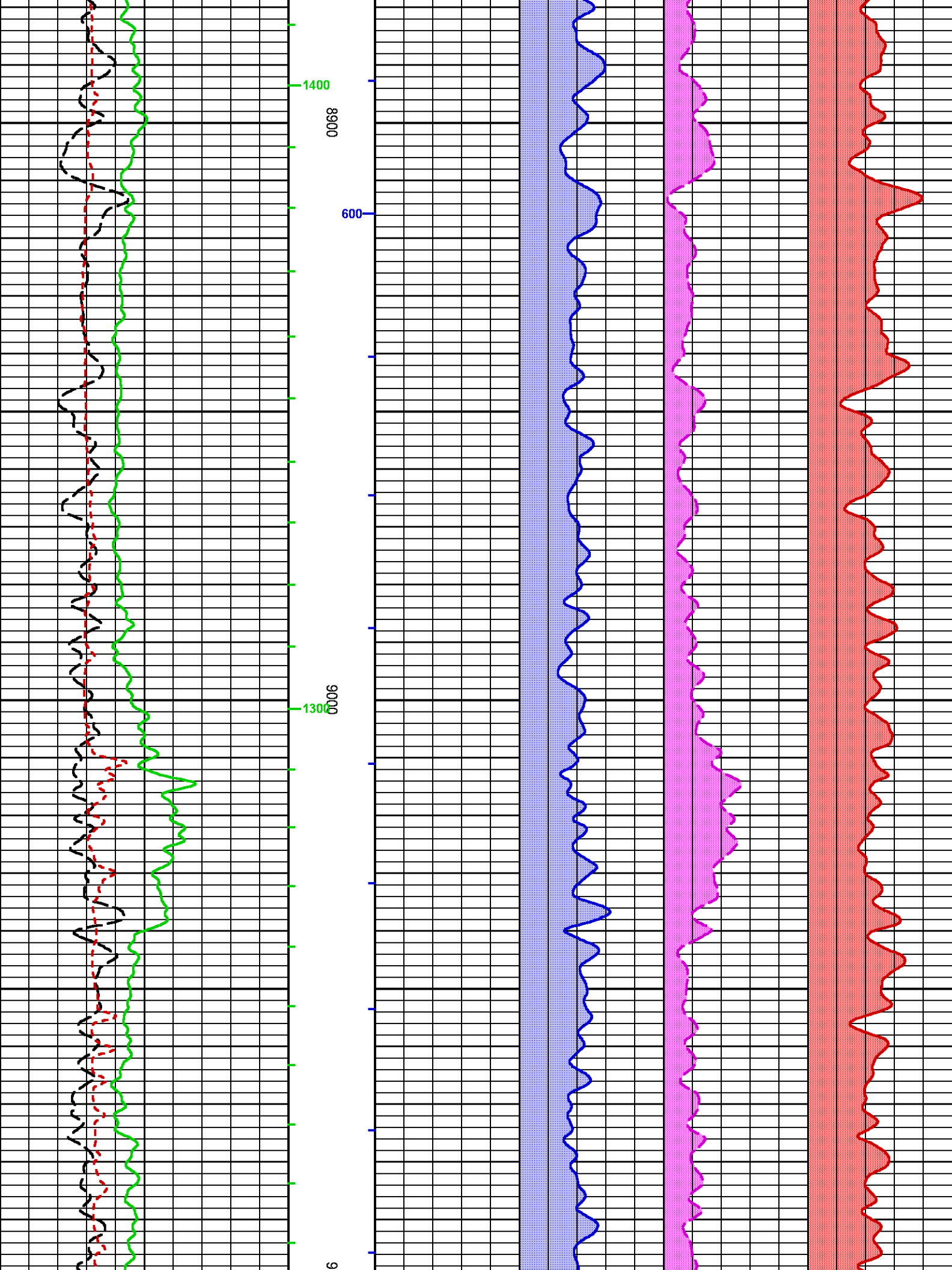


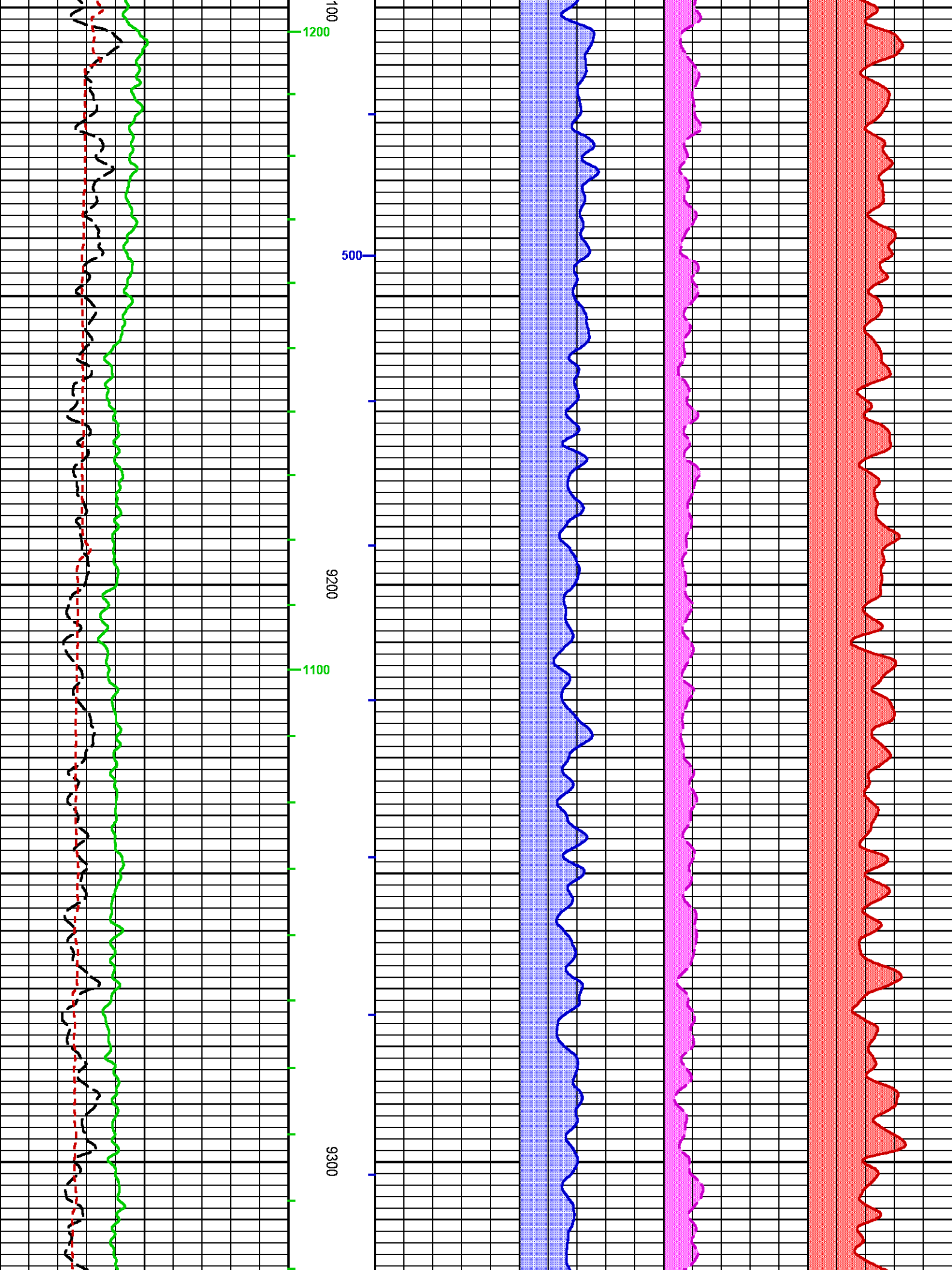


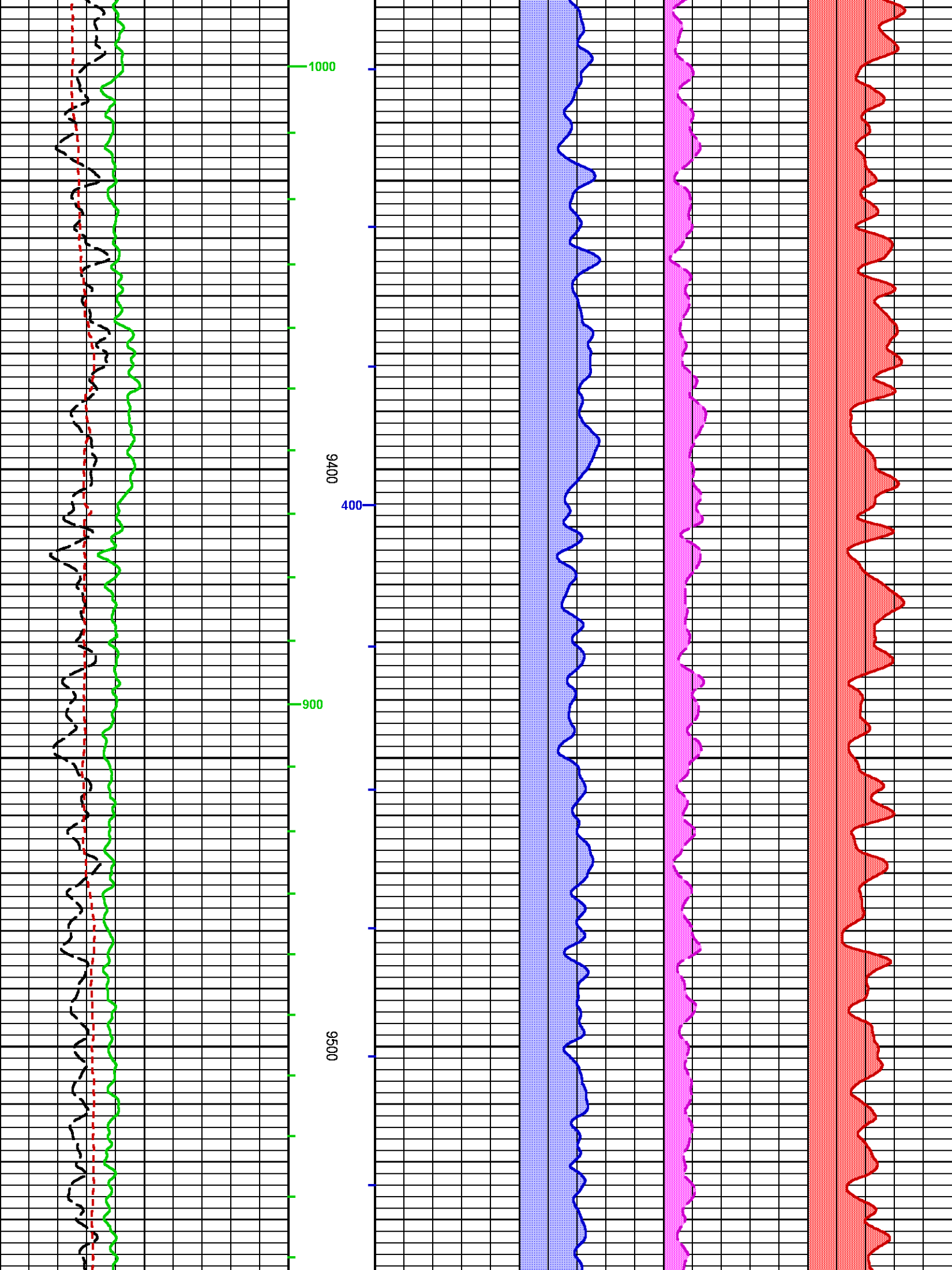


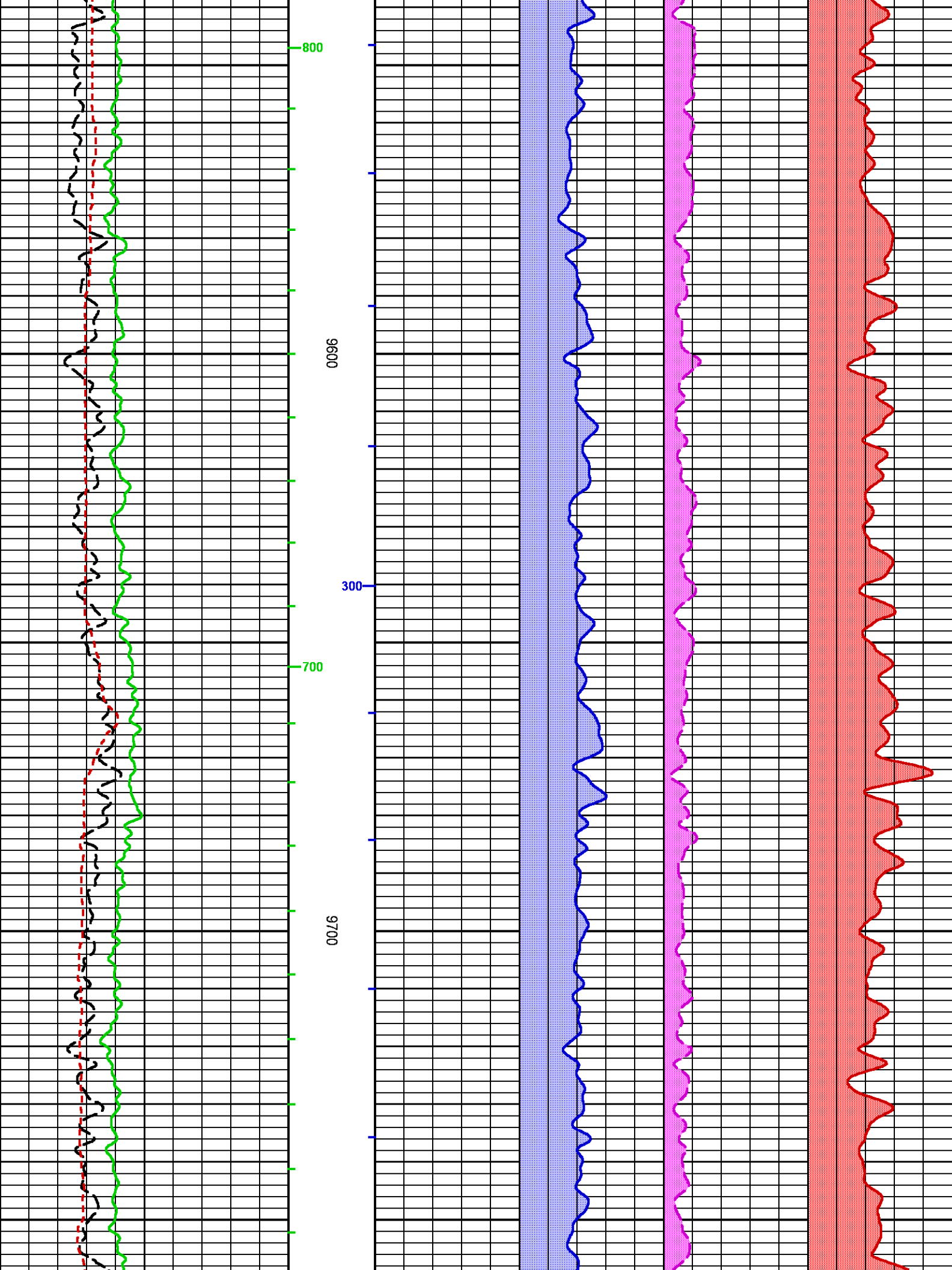


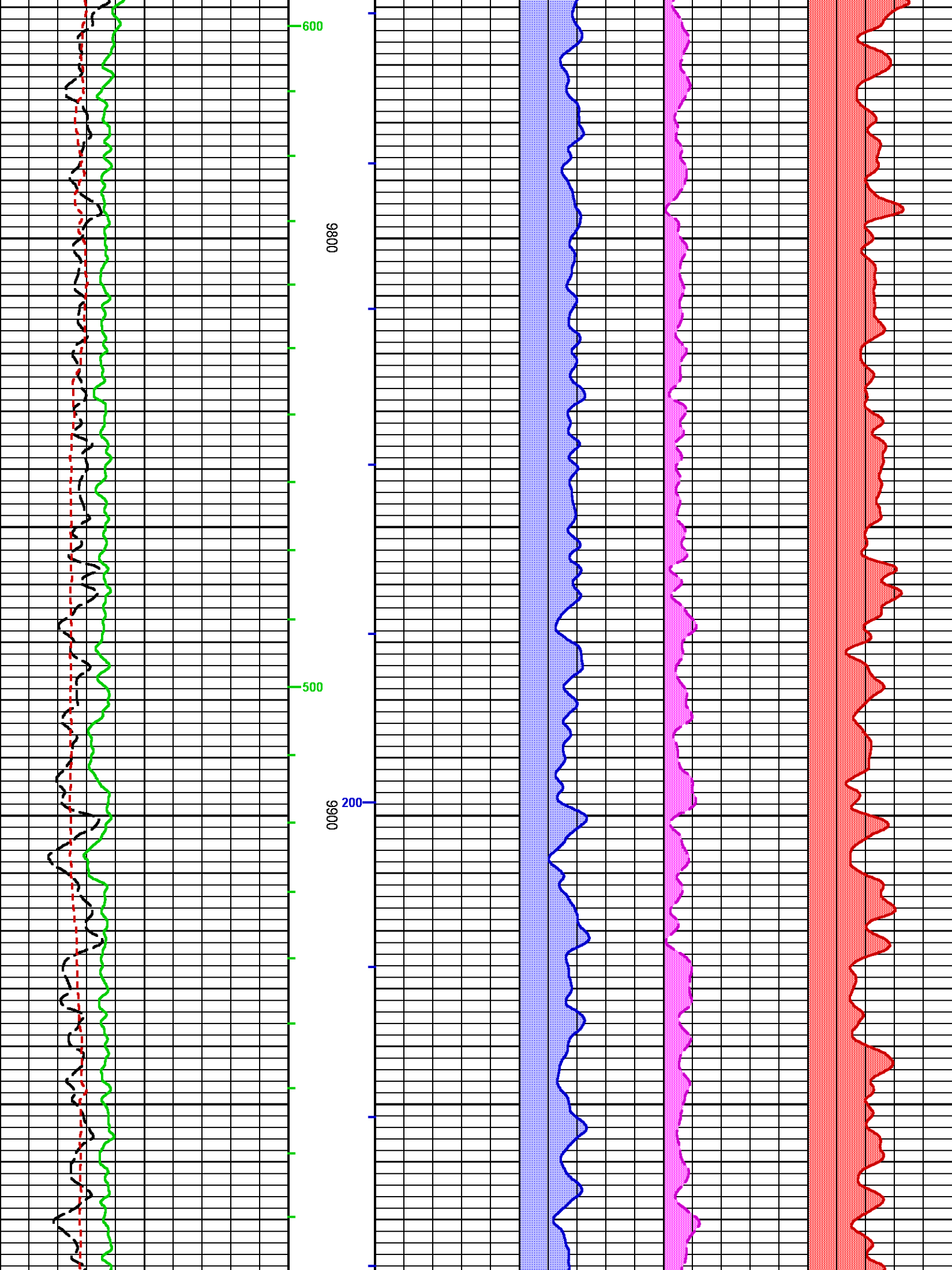


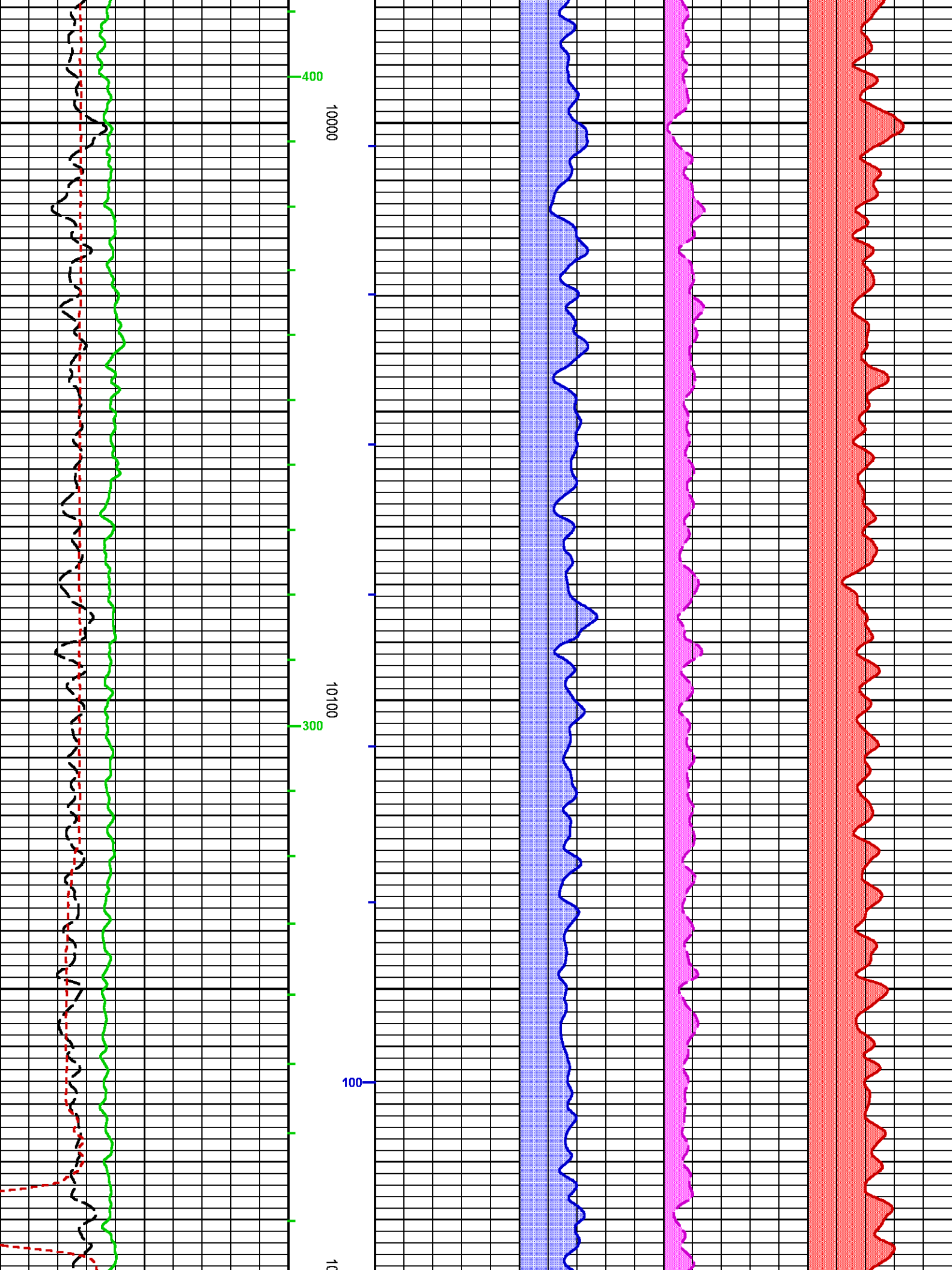


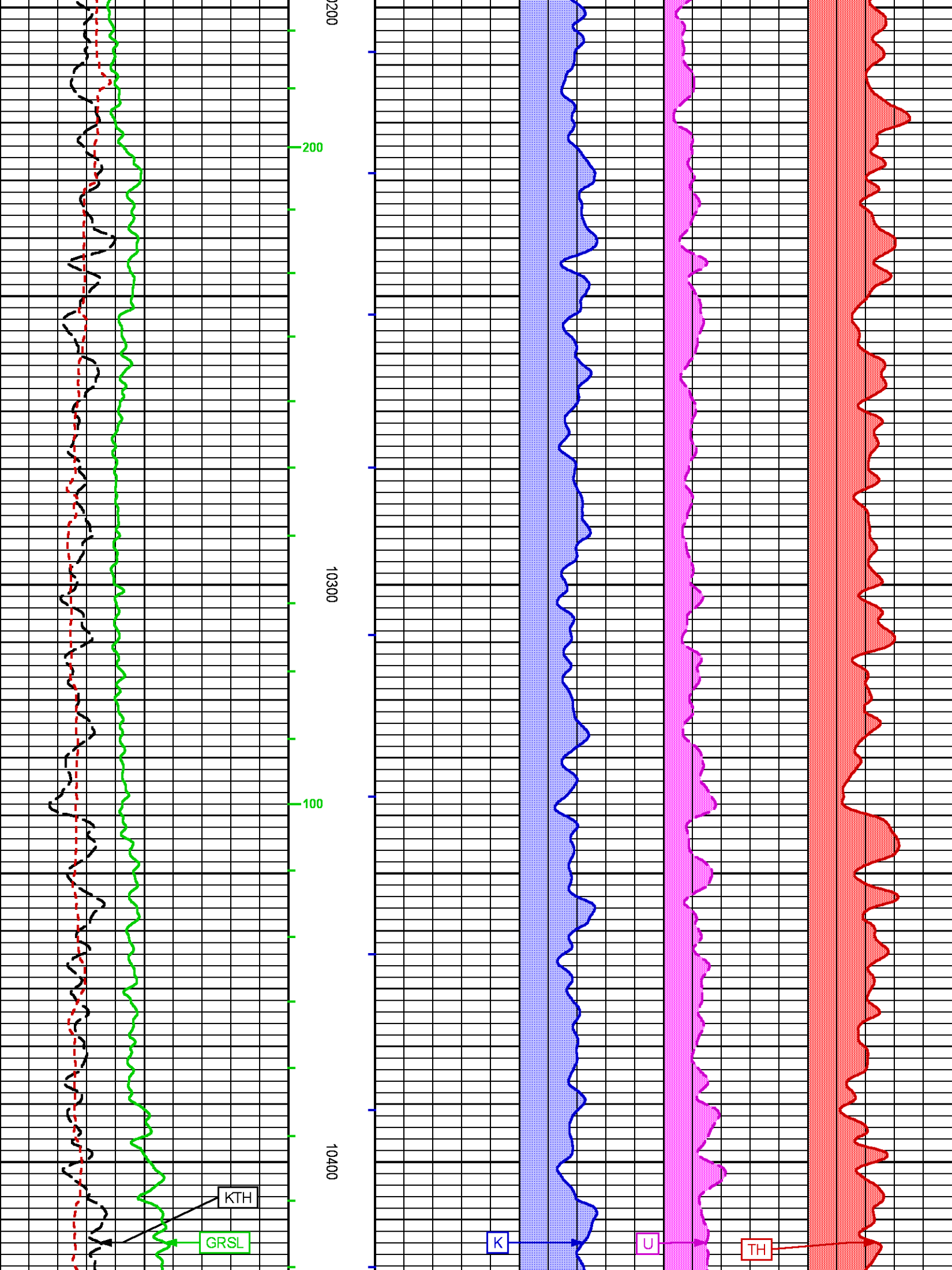


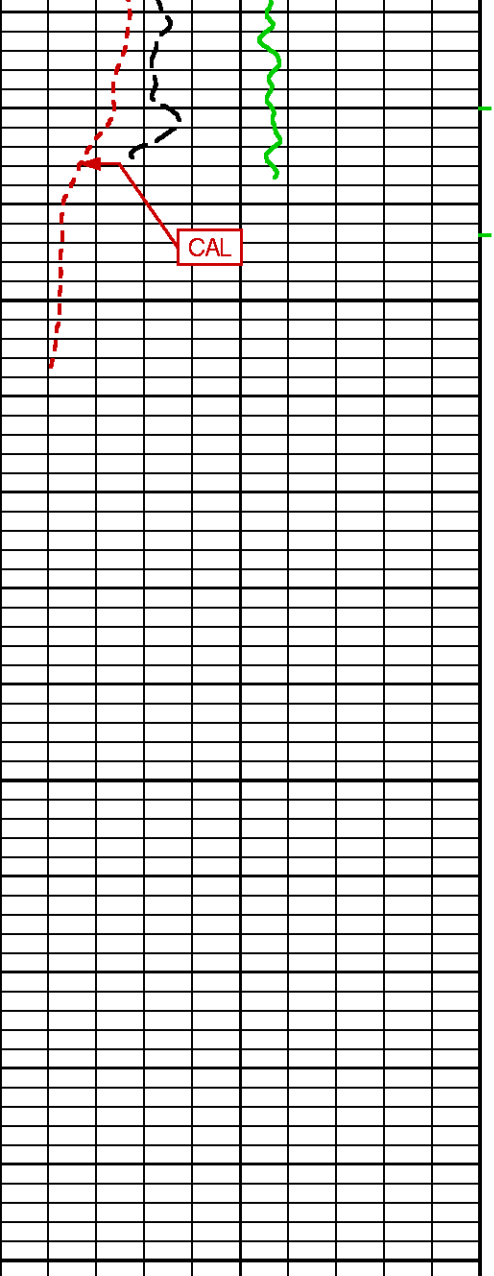








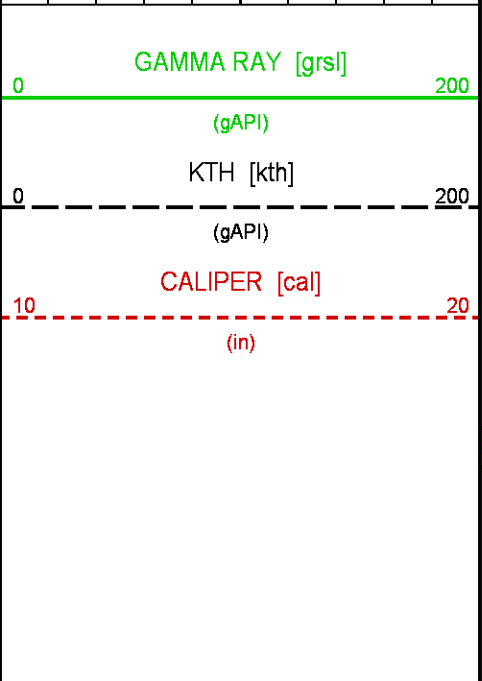




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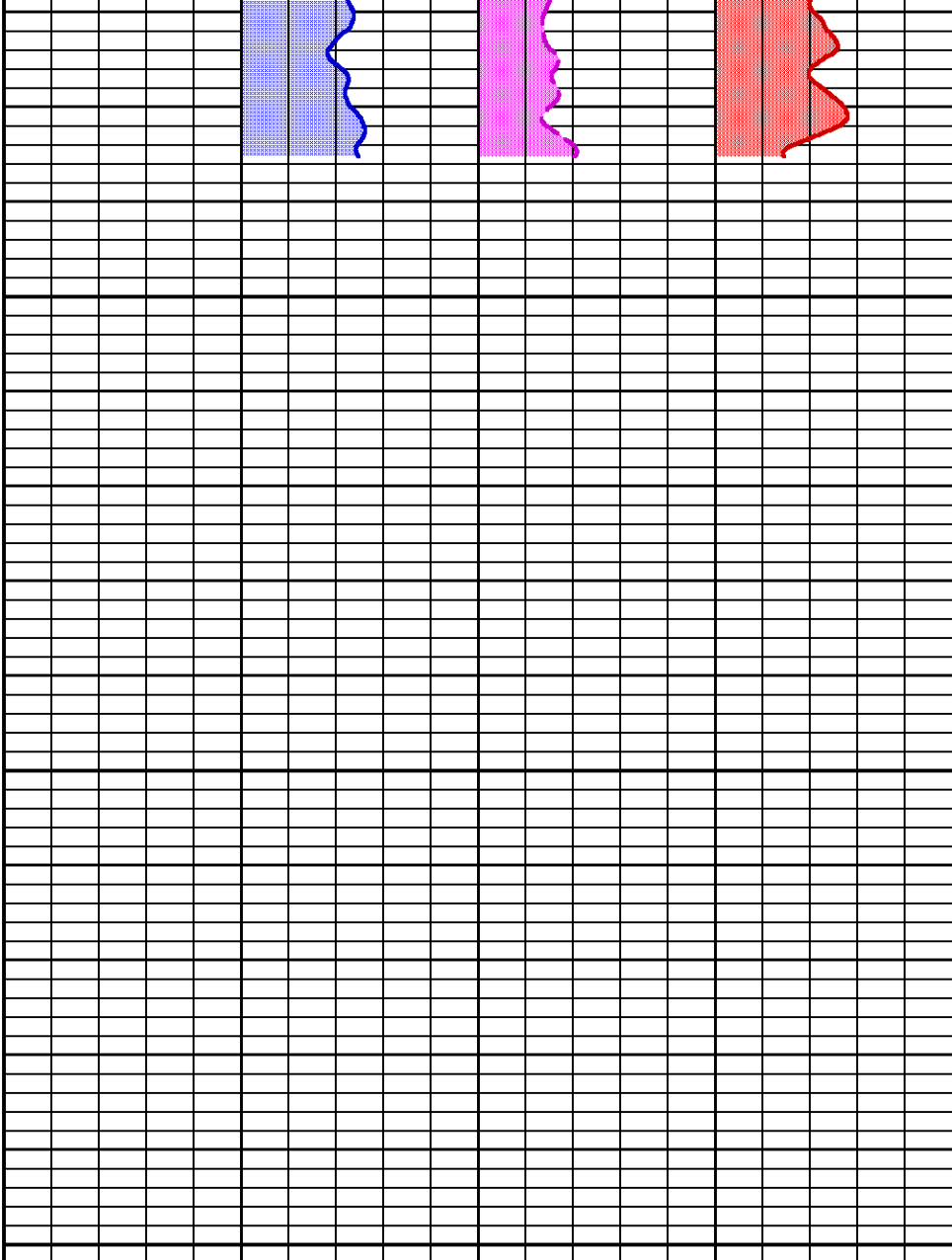
10500

FEET



BVOL  
-10  
-100  
-1000

CVOL  
10  
100  
1000



POTASSIUM [k]

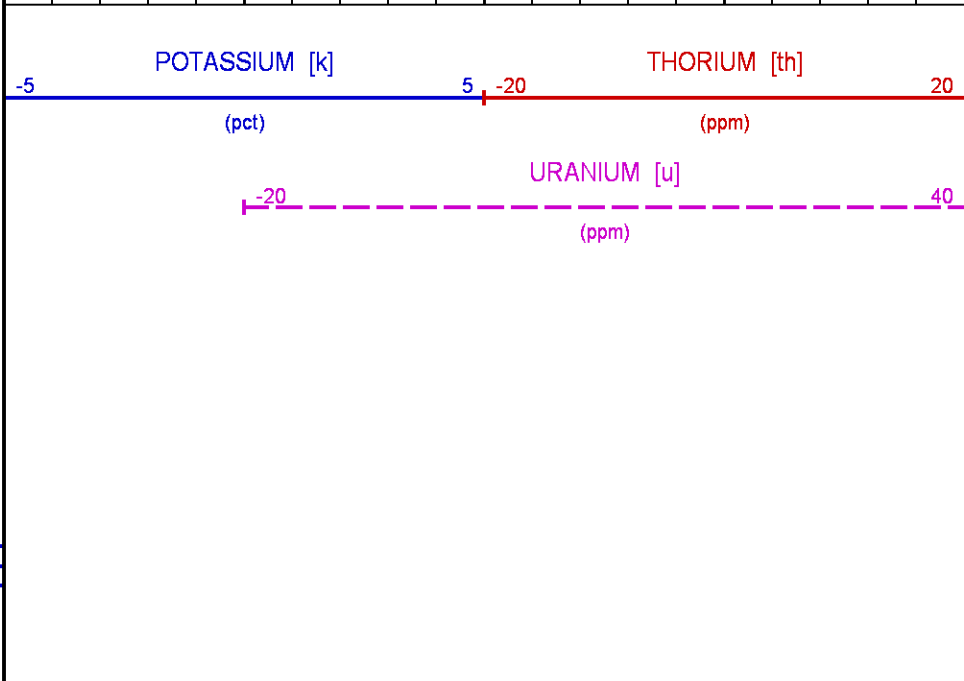
THORIUM [th]

URANIUM [u]

(pct)

(ppm)

(ppm)



# REPEAT LOG 5"/100FT SCALE

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013  
Patches: 3

Plotted: Sun Dec 8 19:23:54 2013

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/625272/n777v04.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 2835.571 ft BOTTOM DEPTH: 3252.138 ft

### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CHT	FILTER (.h)	medium (1)		TOP	BOTTOM
	FILTER (.i)	medium (1)		"	"
Y AXIS CALIPER	FILTER (.)	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
SPEED	FILTER (.i)	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
GR	FILTER (.i)	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
SL	FILTER	medium (1)		"	"
	FILTER (.)	medium (1)		"	"
CALIPER	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"

### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	9.625	in	TOP	BOTTOM
BIT SIZE	BIT SIZE	12.250	in	"	"
MUD DENSITY	MUD DENSITY	12.70	lbm/gal	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (slbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (slbh*)	12.250	in	"	"

### SL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
SL BOREHOLE	OPEN/CASED HOLE	OPEN HOLE		TOP	BOTTOM
	K MUD CONTENT	0.00	pct	"	"
	K MUD TYPE	KCL		"	"
SL AUTOGAIN	AUTO GAIN (1329XA 1)	ON		"	"
SL SPECTRUM CALIBRATION	MODE	AUTOMATIC		"	"

### CURVE DESCRIPTION REPORT

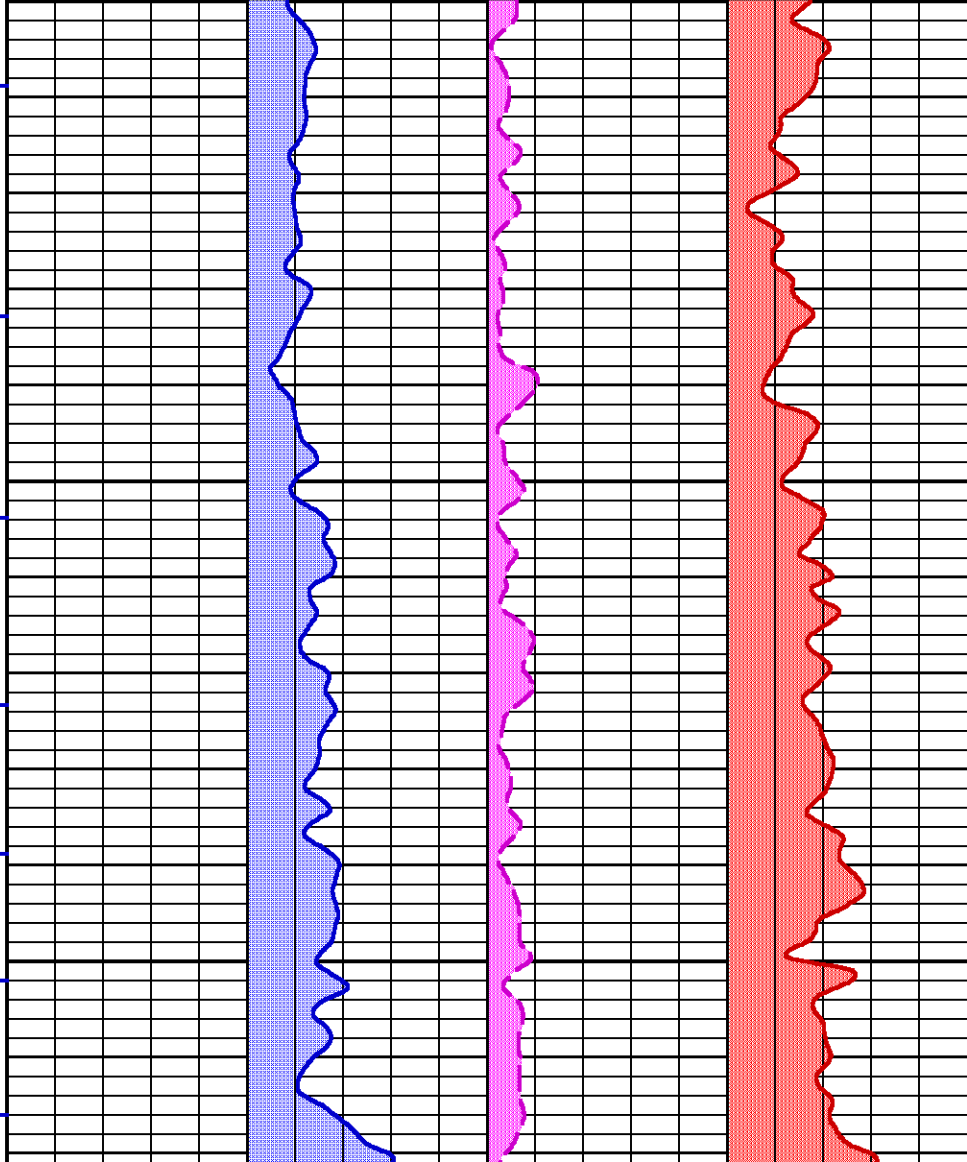
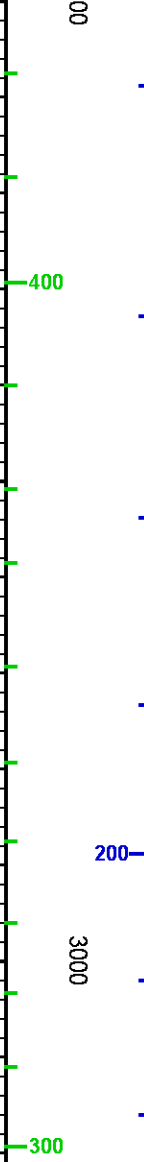
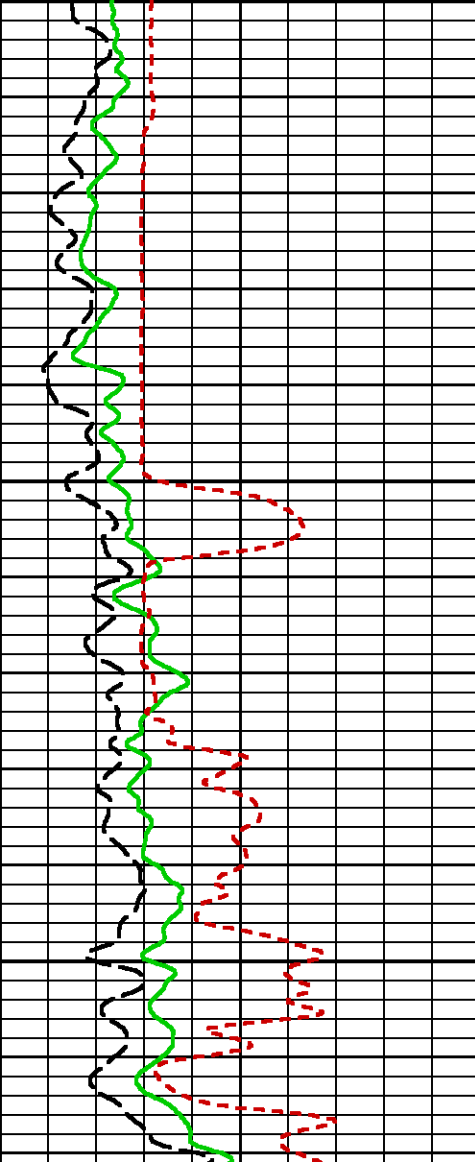
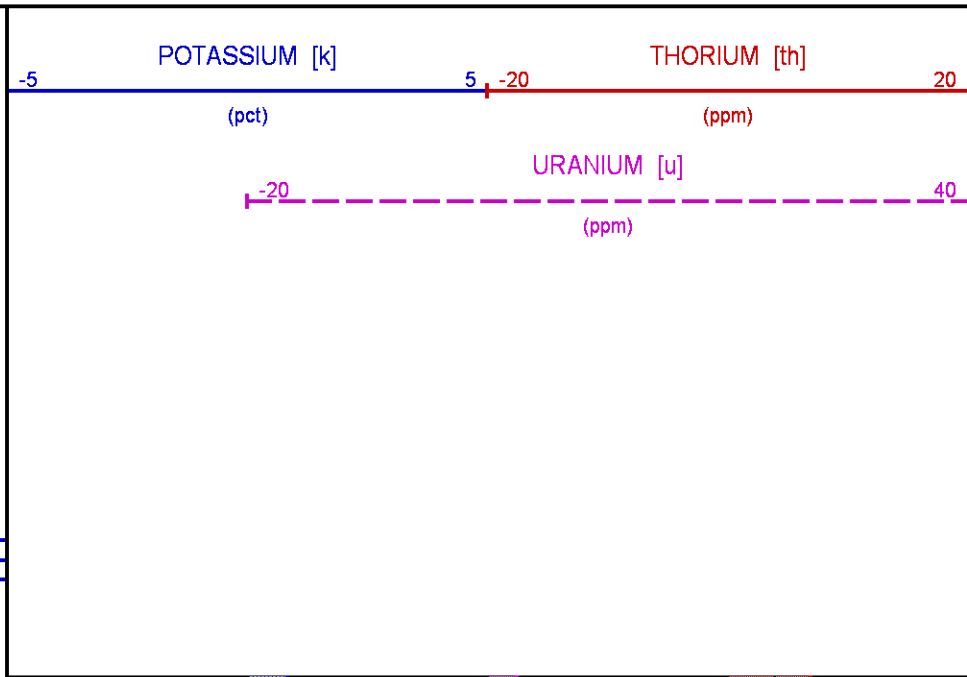
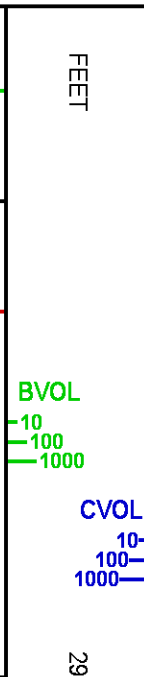
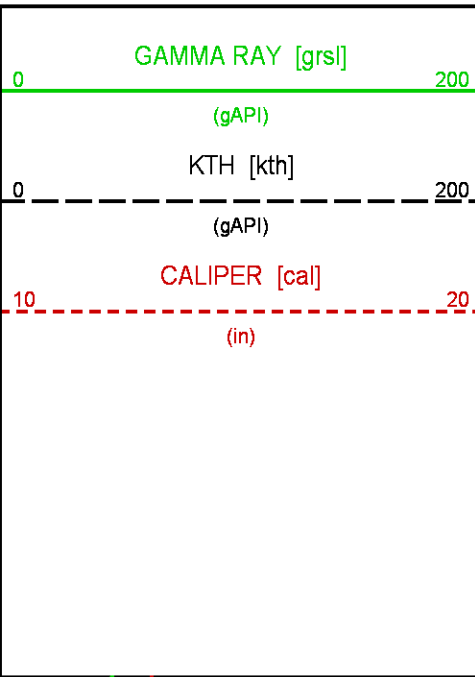
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BVOL	Dec 8 16:26:05 2013	BOREHOLE VOLUME
F1:CAL	Dec 8 16:26:05 2013	CALIPER
F1:CVOL	Dec 8 16:26:05 2013	CEMENT VOLUME
F1:GRSL	Dec 8 16:26:05 2013	GAMMA RAY FROM 1329 SPECTRUM
F1:K	Dec 8 16:26:05 2013	POTASSIUM CONTENT
F1:KTH	Dec 8 16:26:05 2013	STRIPPED POTASSIUM-THORIUM
F1:TH	Dec 8 16:26:05 2013	THORIUM CONCENTRATION
F1:U	Dec 8 16:26:05 2013	URANIUM CONTENT

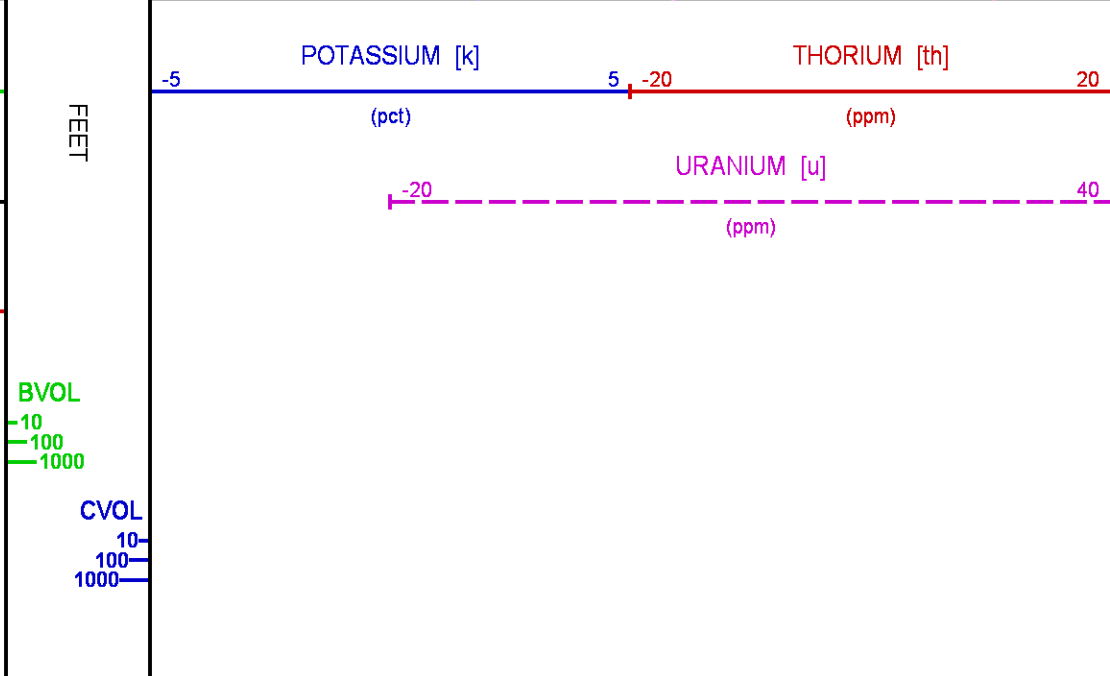
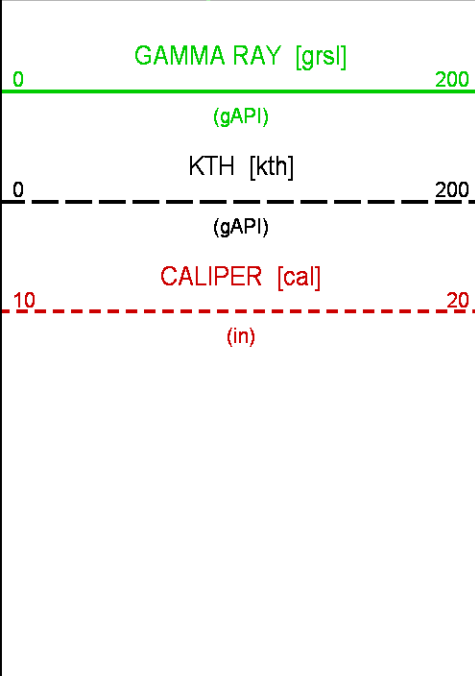
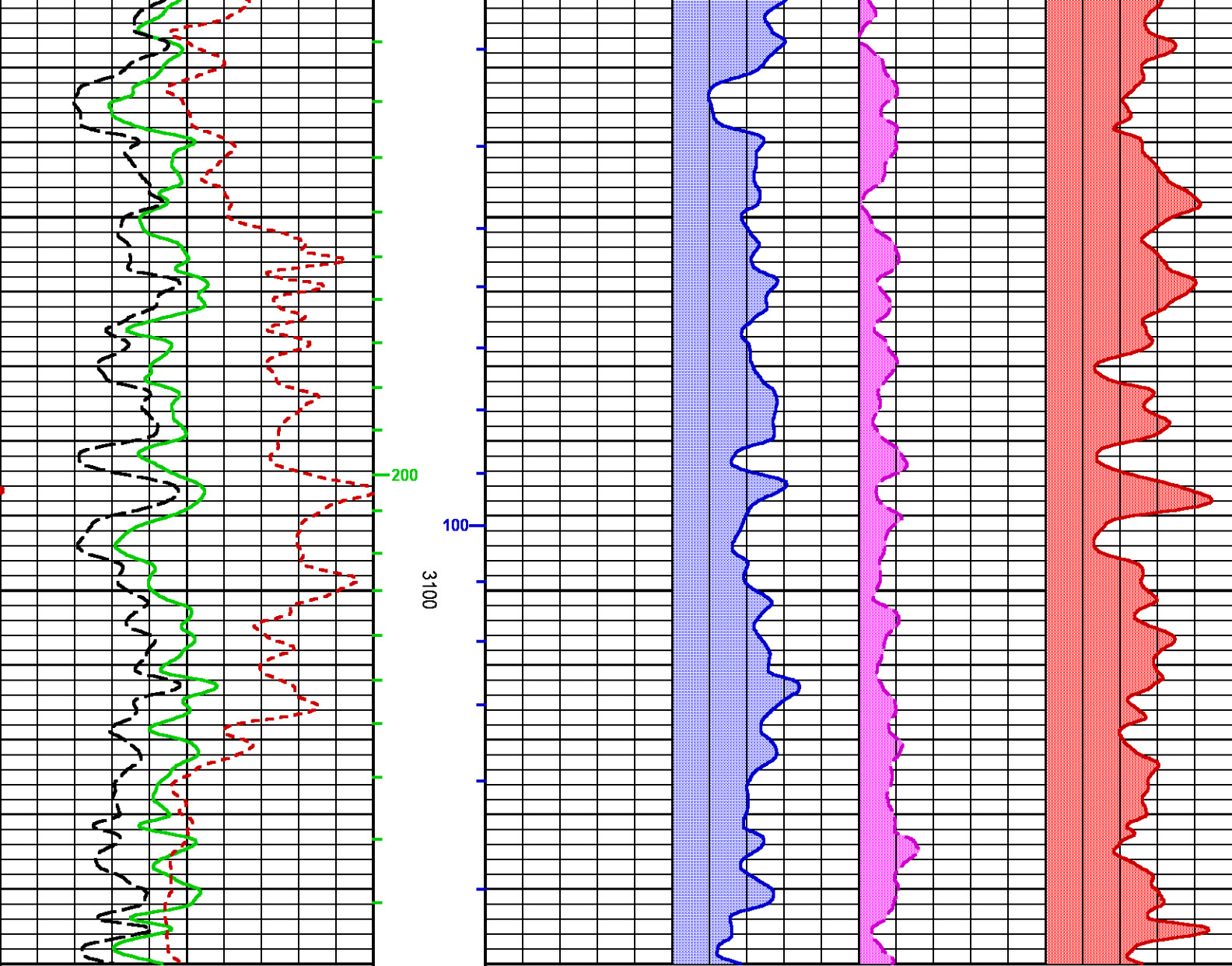
### CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CAL	90.00	K	111.75	TH	111.75		
GRSL	111.75	KTH	111.75	U	111.75		

Plot Interval : 2900 - 3150 Feet

Data File 1 : F1 : HL6670:/dat1a/625272/n777v04-REPEAT2.xtf  
Created On : Dec 8 16:26:05 2013  
Company : WPX ENERGY INC  
Well : PUCKETT GM 701-28-HN1  
Field : RULISON  
File Interval : 2728.25 - 3268.25 Feet  
OCT : n777v





### GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10196895      DATE/TIME PERFORMED: Mon Dec 2 07:30:46 2013  
 UNIT #: 3880TA HL6670      CALB JIG #: 4702NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	338.13	1194.16	856.0 <small>830.0    960.0</small>	0.175	59.25	209.25	150

### GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10196895      DATE/TIME PERFORMED: Mon Dec 2 07:50:33 2013  
 UNIT #: 3880TA HL6670      VERI JIG #: 4702NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	340.51	1190.40	0.175	59.67	208.59	148.93 <small>140.00    160.00</small>

### GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10196895      DATE/TIME PERFORMED: Sun Dec 8 07:56:08 2013      DAYS SINCE CAL: 6  
 UNIT #: 3880TA HL6670      VERI JIG #: 4702NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	218.38	1113.73	0.175	38.27	195.16	156.89 <small>138.93    158.93</small>

### GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10196895      DATE/TIME PERFORMED: Sun Dec 8 17:16:34 2013      DAYS SINCE CAL: 6  
 UNIT #: 3880TA HL6670      VERI JIG #: 4702NK VBA-905

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	177.51	1037.87	0.175	31.11	181.86	150.76 <small>146.89    156.89</small>

### SL PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10196895      DATE/TIME PERFORMED: Mon Dec 2 07:46:44 2013  
 UNIT #: 3880TA HL6670      CALIBRATOR ID: 4702NA VBA-905

	Bkgnd (cts/s)	Cal ON (cts/s)	Mult (gAPI/(cts/s))	Bkgnd (gAPI)	Cal ON (gAPI)	Cal Value (gAPI)
GR-SL (.06-3.5)	332.40	1182.29	0.176	58.66	208.66	150

	Std Rate (cts/s)	Meas Rate (cts/s)	Tool Norm	Std Mult	Log Mult	App Con (pct ppm)
E (.25-3.0)	554	526.6	1.052 <small>0.900    1.100</small>			
K				0.01602	0.01685	8.900
U				0.03851	0.04051	21.300
TH				0.10135	0.10662	56.100

	Mult	Add	QSA	QCAL	GAIN	U Pk Res
SPECTRUM	chnl/MeV	chnls				%
	71.875	0.415	0.398	0.999	3036	8.79
				0.980 1.020		

	P1	P2	P3	P4	P5
	.352 MeV	.609 MeV	1.120 MeV	1.765 MeV	2.204 MeV
Std Pk	25.80	44.20	81.00	127.40	159.00
Meas Pk	25.14	44.41	81.45	127.56	158.35
	22.80 28.80	40.20 48.20	76.00 86.00	121.40 133.40	152.00 166.00
Fit Pk	25.71	44.19	80.91	127.27	158.83

### SL PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10196895 DATE/TIME PERFORMED: Mon Dec 2 07:57:49 2013

UNIT #: 3880TA HL6670 CALIBRATOR ID: 4702NA VBA-905

	Bkgnd	Cal ON	Mult	Bkgnd	Cal ON	Cal Value
	(cts/s)	(cts/s)	(gAPI/(cts/s))	(gAPI)	(gAPI)	(gAPI)
GR-SL (.06-3.5)	335.25	1178.05	0.176	59.04	207.53	148
						135 165

	Std rate	Meas rate	Tool norm	Std Mult	Log Mult	App Con
						(pct ppm)
E (.25-3.0)	554	510.6	1.052			
K				0.01602	0.01685	8.605
						8.010 9.790
U				0.03851	0.04051	20.685
						19.170 23.430
TH				0.01602	0.10662	54.437
						50.490 61.710

	Mult	Add	QSA	QCAL	GAIN	U Pk Res
	chnl/MeV	chnls				%
SPECTRUM	71.503	0.907	0.610	0.998	3036	8.84
				0.980 1.020		

	P1	P2	P3	P4	P5
	.352 MeV	.609 MeV	1.120 MeV	1.765 MeV	2.204 MeV
Std Pk	25.80	44.20	81.00	127.40	159.00
Meas Pk	25.49	44.46	81.92	127.27	157.99
	22.80 28.80	40.20 48.20	76.00 86.00	121.40 133.40	152.00 166.00
Fit Pk	26.08	44.45	80.99	127.11	158.50

### SL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10196895 DATE/TIME PERFORMED: Sun Dec 8 07:58:14 2013 DAYS SINCE CAL: 6

UNIT #: 3880TA HL6670 CALIBRATOR ID: 4702NA VBA-905

	Bkgnd	Cal ON	Mult	Bkgnd	Cal ON	Cal Value
	(cts/s)	(cts/s)	(gAPI/(cts/s))	(gAPI)	(gAPI)	(gAPI)
GR-SL (.06-3.5)	211.45	1048.43	0.176	37.26	184.80	148
						135 165

	Std rate	Meas rate	Tool norm	Std Mult	Log Mult	App Con
						(pct ppm)
E (.25-3.0)	554	535.9	1.052			
K				0.01602	0.01685	9.032
						8.010 9.790
U				0.03851	0.04051	21.712
						19.170 23.430
TH				0.01602	0.10662	57.142
						50.490 61.710

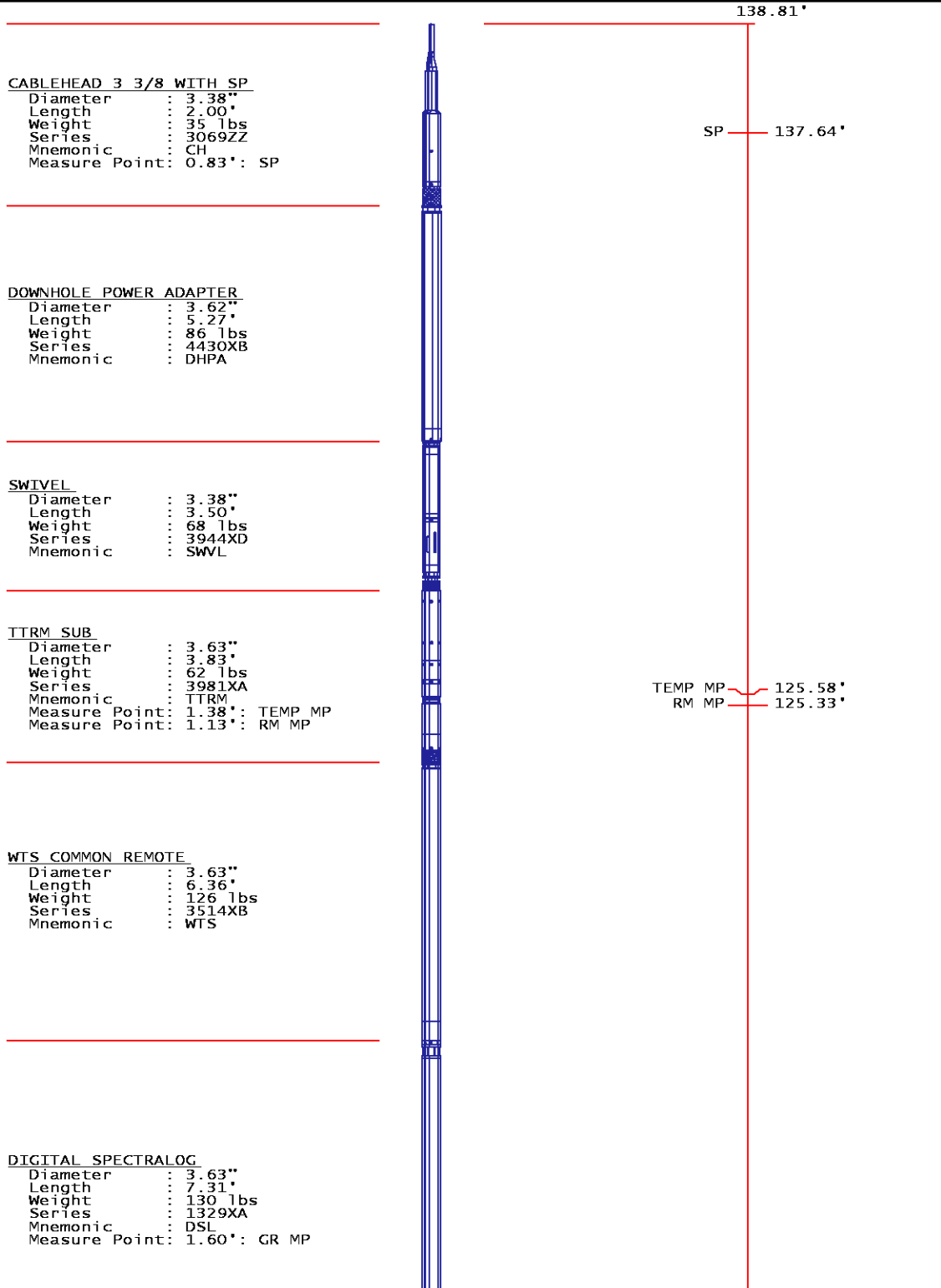
	Mult	Add	QSA	QCAL	GAIN	U Pk Res
	chnl/MeV	chnls				%
SPECTRUM	72.437	0.744	0.625	1.010	3036	7.94
				0.980 1.020		

P1 P2 P3 P4 P5

	P1 .352 MeV	P2 .609 MeV	P3 1.120 MeV	P4 1.765 MeV	P5 2.204 MeV
Std Pk	25.80	44.20	81.00	127.40	159.00
Meas Pk	25.70	44.89	82.53	129.15	159.69
	22.80 28.80	40.20 48.20	76.00 86.00	121.40 133.40	152.00 166.00
Fit Pk	26.24	44.86	81.87	128.59	160.39

# INSTRUMENT CONFIGURATION

Source File: /dat1a/625272/n777v--tdg



CABLEHEAD 3 3/8 WITH SP  
 Diameter : 3.38"  
 Length : 2.00'  
 Weight : 35 lbs  
 Series : 3069ZZ  
 Mnemonic : CH  
 Measure Point: 0.83': SP

DOWNHOLE POWER ADAPTER  
 Diameter : 3.62"  
 Length : 5.27'  
 Weight : 86 lbs  
 Series : 4430XB  
 Mnemonic : DHPA

SWIVEL  
 Diameter : 3.38"  
 Length : 3.50'  
 Weight : 68 lbs  
 Series : 3944XD  
 Mnemonic : SWL

TTRM SUB  
 Diameter : 3.63"  
 Length : 3.83'  
 Weight : 62 lbs  
 Series : 3981XA  
 Mnemonic : TTRM  
 Measure Point: 1.38': TEMP MP  
 Measure Point: 1.13': RM MP

WTS COMMON REMOTE  
 Diameter : 3.63"  
 Length : 6.36'  
 Weight : 126 lbs  
 Series : 3514XB  
 Mnemonic : WTS

DIGITAL SPECTRALOG  
 Diameter : 3.63"  
 Length : 7.31'  
 Weight : 130 lbs  
 Series : 1329XA  
 Mnemonic : DSL  
 Measure Point: 1.60': GR MP

138.81'

SP 137.64'

TEMP MP 125.58'  
 RM MP 125.33'

GR MP 113.13'

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KNUCKLE JOINT (DOUBLE)  
 Diameter : 3.38"  
 Length : 4.65'  
 Weight : 90 lbs  
 Series : 3939XA  
 Mnemonic : KNJT

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COMPENSATED NEUTRON  
 Diameter : 3.63"  
 Length : 7.59'  
 Weight : 150 lbs  
 Series : 2446XA  
 Mnemonic : CN  
 Measure Point: 2.63': LSN MP  
 Measure Point: 2.24': SSN MP

LSN MP — 100.92'  
 SSN MP — 100.52'

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Z-DENSILOG  
 Diameter : 4.88"  
 Length : 11.22'  
 Weight : 360 lbs  
 Series : 2234XA  
 Mnemonic : ZDL  
 Measure Point: 3.19': CAL MP  
 Measure Point: 2.47': LSD MP  
 Measure Point: 2.07': SSD MP

CAL MP — 90.26'  
 LSD MP — 89.54'  
 SSD MP — 89.14'

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KNUCKLE JOINT (DOUBLE)  
 Diameter : 3.38"  
 Length : 4.65'  
 Weight : 90 lbs  
 Series : 3939XA  
 Mnemonic : KNJT

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DIGITAL ORIENTATION  
 Diameter : 3.38"  
 Length : 10.81'  
 Weight : 110 lbs  
 Series : 4401XB  
 Mnemonic : ORIT  
 Measure Point: 0.00': ORIENT MP



ORIENT MP 71.60°

4 ARM BOW SPRING CENTRALIZER

Diameter : 3.38"  
Length : 4.12"  
Weight : 72 lbs  
Series : 4341XA  
Mnemonic : CENT

ARRAY ACOUSTILOG ELECTRONICS, 8 CHANNEL

Diameter : 3.38"  
Length : 7.82"  
Weight : 102 lbs  
Series : 1677EA  
Mnemonic : XMAC

CROSS MULTIPOLE ARRAY ACOUSTILOG

Diameter : 3.75"  
Length : 10.91"  
Weight : 224 lbs  
Series : 1678MC  
Mnemonic : XMF1  
Measure Point: 5.50' : R8  
Measure Point: 5.00' : R7  
Measure Point: 4.50' : R6  
Measure Point: 4.00' : R5  
Measure Point: 3.50' : R4  
Measure Point: 3.00' : R3  
Measure Point: 2.50' : R2  
Measure Point: 2.00' : R1

R8 54.26°  
R7 53.76°  
R6 53.26°  
R5 52.76°  
R4 52.26°  
R3 51.76°  
R2 51.26°  
R1 50.76°

SHEAR WAVE ACOUSTILOG

Diameter : 3.63"  
Length : 5.00"  
Weight : 135 lbs  
Series : 1678PB  
Mnemonic : XMAC

MONOPOLE T2 42.26°  
QUADRUPOLE T5 42.26°

MULTI-POLE ARRAY ACOUSTIC

Diameter : 3.88"  
Length : 7.92"  
Weight : 170 lbs  
Series : 1678BA  
Mnemonic : XMAC  
Measure Point: 6.42' : QUADRUPOLE T5  
Measure Point: 6.42' : MONOPOLE T2  
Measure Point: 4.67' : Y-DIPOLE T4  
Measure Point: 4.67' : X-DIPOLE T3  
Measure Point: 2.92' : MONOPOLE T1

X-DIPOLE T3 40.51°  
Y-DIPOLE T4 40.51°  
MONOPOLE T1 38.76°

MULTI-POLE ARRAY ACOUSTIC

Diameter : 3.38"  
Length : 4.32"  
Weight : 58 lbs

Series : 1678FA  
Mnemonic : MAC

4 ARM BOW SPRING CENTRALIZER

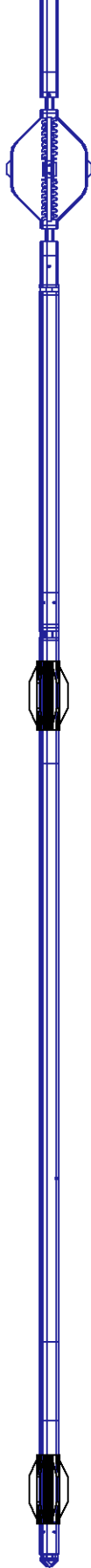
Diameter : 3.38"  
Length : 4.12"  
Weight : 72 lbs  
Series : 4341XA  
Mnemonic : CENT

HIGH DEFINITION INDUCTION TOOL

Diameter : 3.62"  
Length : 27.13"  
Weight : 415 lbs  
Series : 1515XA  
Mnemonic : HDIL  
Measure Point: 13.91': SP MP  
Measure Point: 7.44': XMTR MP

BULL PLUG 3 3/8

TOTAL LENGTH: 138.81"  
TOTAL WEIGHT: 2583 lbs  
MAX DIAMETER: 0'4.88"



SP MP — 14.19'

XMTR MP — 7.72'

0.00'



COMPANY WPX ENERGY INC  
WELL PUCKETT GM 701-28-HN1  
FIELD RULISON  
COUNTY GARFIELD STATE CO

FILE NO: US625272  
API NO: 05045221540000

LOCATION:  
SHL: 1314' FNL; 1035' FWL  
BHL: 535' FNL; 629' FWL  
SEC 28 TWP 6S RGE 96W

ELEVATIONS:  
KB 5629 FT  
DF  
GL 5604 FT  
DATE 08-Dec-2013

S28 T6S R96W  
PAD: GM 11-28  
RIG: AZTEC 1000

