

Company: ENCANA OIL & GAS (USA) INC.

Well: SG 8514A-22 (N22496)

Field: Story Gulch

County: Garfield

State: Colorado

RESERVOIR SATURATION TOOL  
SIGMA MODE  
GAMMA RAY – CCL

County: Garfield  
Field: Story Gulch  
Location: SHL: 1183 FSL 1951 FWL  
Well: SG 8514A-22 (N22496)  
Company: ENCANA OIL & GAS (USA) INC.

LOCATION			
SHL: 1183 FSL 1951 FWL BHL: 1299 FSL 1339 FWL 39.683808N 108.157208W	Elev.: K.B. 7607.00 ft G.L. 7585.00 ft D.F. 7607.00 ft		
Permanent Datum: Log Measured From: Drilling Measured From:	GROUND LEVEL KELLY BUSHING KELLY BUSHING	Elev.: 22.00 ft above Perm. Datum	
API Serial No. 05-045-21040-0C	Section 22	Township 4S	Range 96W

				Run 1	Run 2	Run
PVT DATA						
Oil Density						
Water Salinity						
Gas Gravity						
Bo						
Bw						
1/Bg						
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 13-Jul-2012

Run Number 1

Depth Driller 12178 ft

Schlumberger Depth 12125 ft

Bottom Log Interval 12111 ft

Top Log Interval 3000 ft

Casing Fluid Type FRESH WATER

Salinity

Density 8.6 lbm/gal

Fluid Level 22 ft

BIT/CASING/TUBING STRING

Bit Size 8.750 in

From 0 ft

To 12178 ft

Casing/Tubing Size 4.500 in

Weight 11.6 lbm/ft

Grade P-110

From 0 ft

To 12158 ft

Maximum Recorded Temperatures 298 degF

Logger On Bottom 13-Jul-2012 18:30

Unit Number 391 Location Grand Junction

Recorded By Kirstie Bunting

Witnessed By SCOTT PITT

## DEPTH SUMMARY LISTING

Date Created: 10-JUL-2012 13:51:17

## Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-B	Type:	CMTD-B/A	Type:	1-25ZT
Serial Number:	5873	Serial Number:	5006	Serial Number:	391
Calibration Date:	20-DEC-2011	Calibration Date:	21-JUN-2011	Length:	24000 FT
Calibrator Serial Number:	33	Calibrator Serial Number:	174878	Conveyance Method:	Wireline
Calibration Cable Type:	1-25ZT	Number of Calibration Points:	10	Rig Type:	LAND
Wheel Correction 1:	-3	Calibration RMS:	15		
Wheel Correction 2:	-3	Calibration Peak Error:	9		

## Depth Control Parameters

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	200.00 FT
Rig Up Length At Bottom:	200.00 FT
Rig Up Length Correction:	0.00 FT
<b>Stretch Correction:</b>	<b>0.00 FT</b>
Tool Zero Check At Surface:	0.00 FT

### Depth Control Remarks

1. ALL SCHLUMBERGER DEPTH PROCEDURES USED
2. PRIMARY DEPTH CONTROL: IDW
3. SECONDARY DEPTH CONTROL: DRUM COUNTER (SWPT)
- 4.
- 5.
- 6.

## DISCLAIMER

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OTHER SERVICES1	OTHER SERVICES2
OS1: SLIM CEMENT MAPPING	OS1:
OS2: TOOL	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
FIRST RUN IN HOLE CORRELATED TO DOWN LOG	
TOOL RAN AS PER TOOL SKETCH	
ENTRANCE TIME: 17:30	
TIME AT BOTTOM: 18:30	
EXIT TIME: 20:30	
TOTAL DEPTH = 12125 FT	

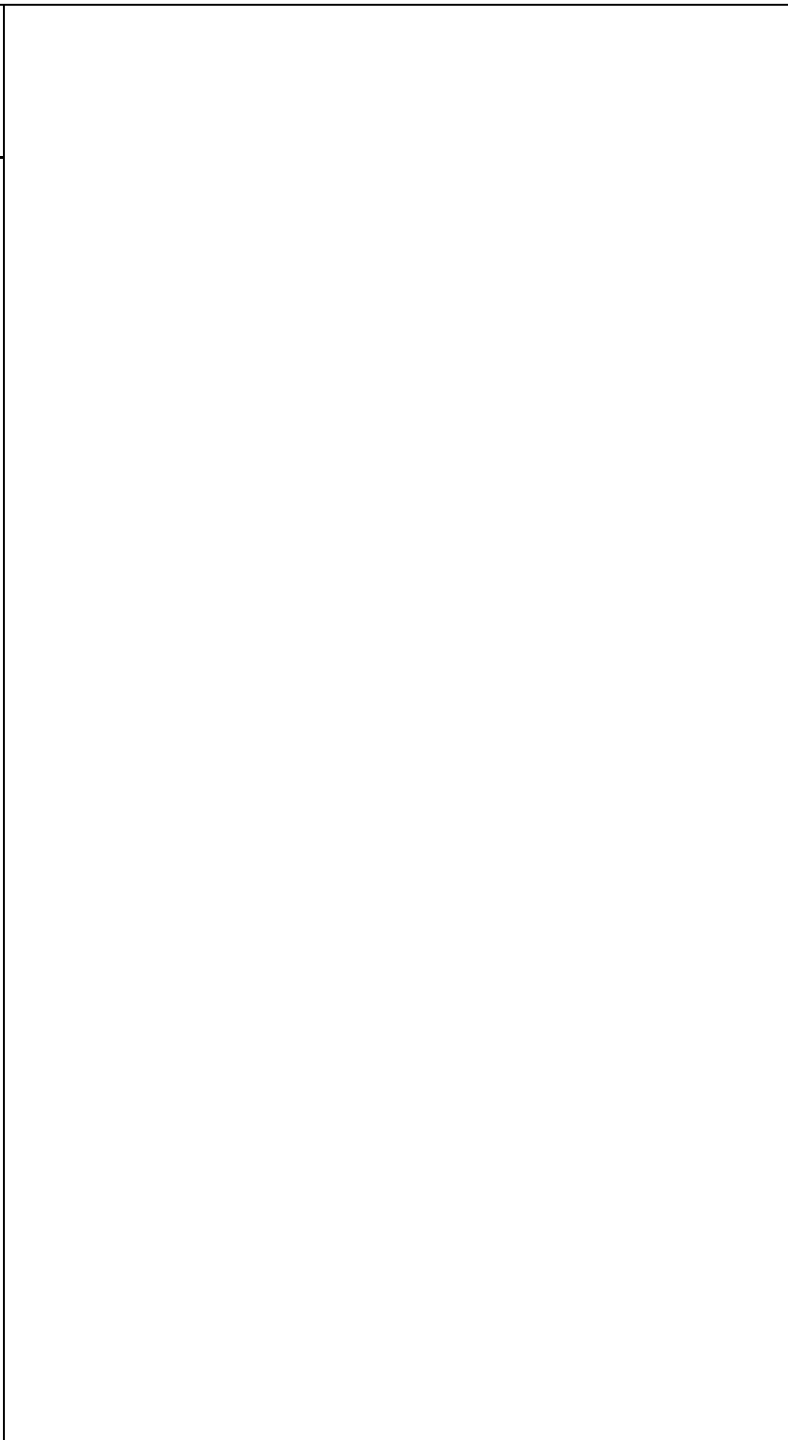
MAXIMUM RECORDED TEMPERATURE = 298 DEGF	
MAXIMUM RECORDED PRESSURE = 5071 PSIA	
STRETCH CORRECTION = 5 FT	
SANDSTONE MATRIX USED	
THANK YOU FOR CHOOSING SCHLUMBERGER!	

RUN 1			RUN 2		
SERVICE ORDER #:		C2Q8-00023	SERVICE ORDER #:		
PROGRAM VERSION:		19C0-187	PROGRAM VERSION:		
FLUID LEVEL:		22 ft	FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT	
WITM-A PSC_16MHZ	

DOWNHOLE EQUIPMENT	
<div> <div> <div>MH-22</div> <div>MH-22</div> <div>AH-38</div> <div>HBMS-B</div> <div>PSC-A</div> <div>HUDH-A</div> <div>HSTC-A</div> <div>HBMC-A</div> <div>GR</div> <div>CCL</div> <div>HBMC</div> <div>HTPS-A 2880</div> <div>HCQG_E_Mano</div> <div>RTD_Thermometer</div> <div>RST-C</div> <div>RSCH-A 197</div> <div>RSC-E</div> <div>RSS-A 255</div> <div>RSXH-A 309</div> <div>RSX-E</div> </div> <div> <div>Detail MT</div> <div>TelStatus</div> <div>CTEM</div> <div>GR</div> <div>CCL</div> <div>HSTC Aux.</div> <div>HBMC Aux.</div> <div>CQG Manom</div> <div>Well_Temp</div> <div>RSC-A Far</div> <div>RSC-A PNG</div> <div>RSC-A Nea</div> <div>RSX-A PNG</div> </div> <div> <div>56.2</div> <div>54.6</div> <div>54.3</div> <div>49.4</div> <div>47.0</div> <div>45.5</div> <div>44.1</div> <div>43.2</div> <div>34.1</div> <div>33.6</div> </div> </div>	



SCMT-CB  
SCMC-CA 8172  
SECH-CA  
CMIR-AG  
SCMS-CB 8179  
SCMX-CA

20.2

DT  
CBL5 DTSC  
CBL3  
MAP  
AUX

11.1  
9.6  
8.6  
8.1  
7.1

AH-YYY

HV  
Tension SCMT  
TOOL ZERO

0.2

MAXIMUM STRING DIAMETER 2.07 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN FEET

Schlumberger

MAIN PASS RST SIGMA

MAXIS Field Log

Input DLIS Files

DEFAULT	RST_HBMS_052PUP	FN:51	PRODUCER	22-Jul-2012 18:32	12124.5 FT	2781.5 FT
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Output DLIS Files

DEFAULT	RST_HBMS_053PUP	FN:52	PRODUCER	22-Jul-2012 18:42	12126.5 FT	2783.5 FT
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OP System Version: 19C0-187

RST-C	19C0-187	HBMS-B	19C0-187
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Changed Parameter Summary

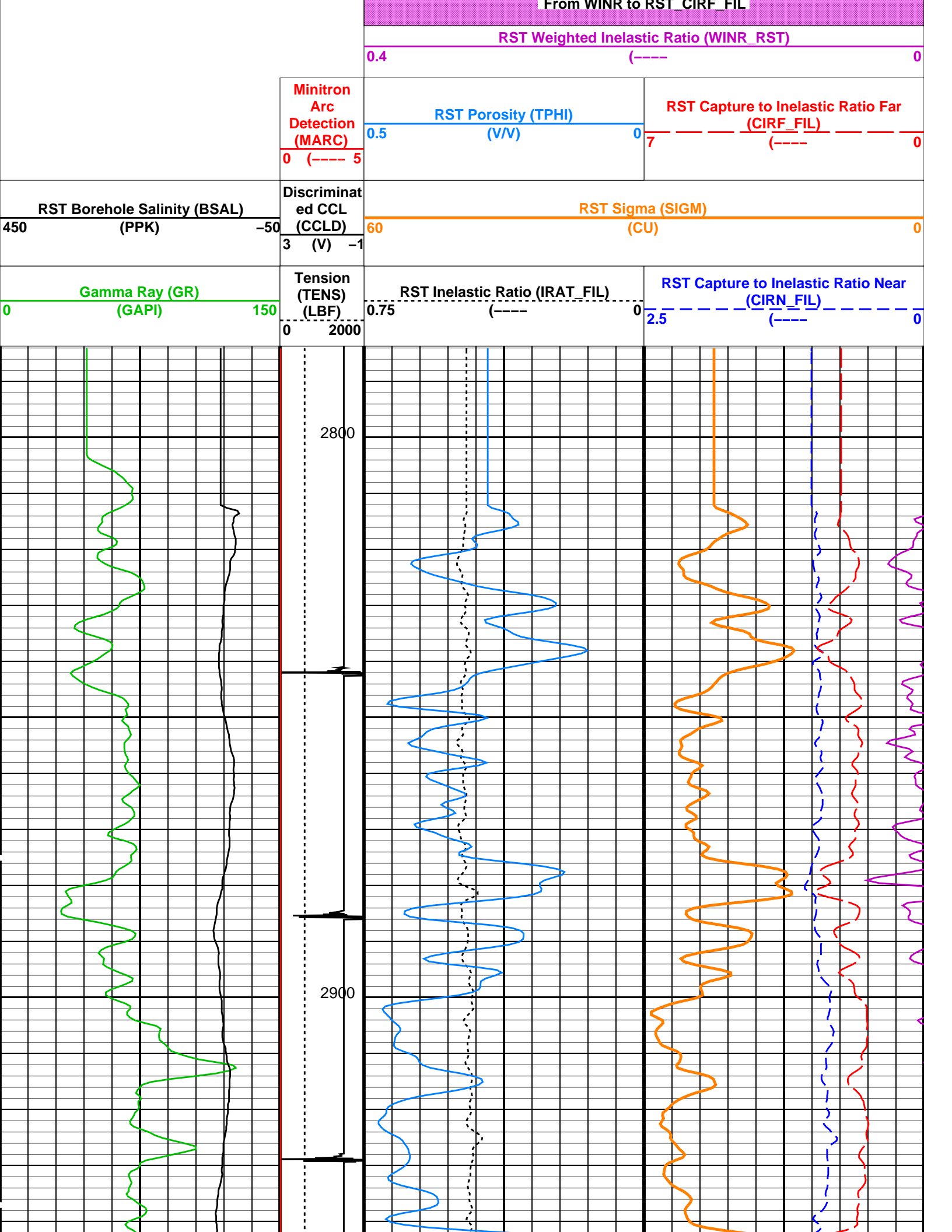
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BS	7.875 IN	8.750 IN	12126.5 18:42:23
	8.750 IN	7.875 IN	9557.0 18:43:43

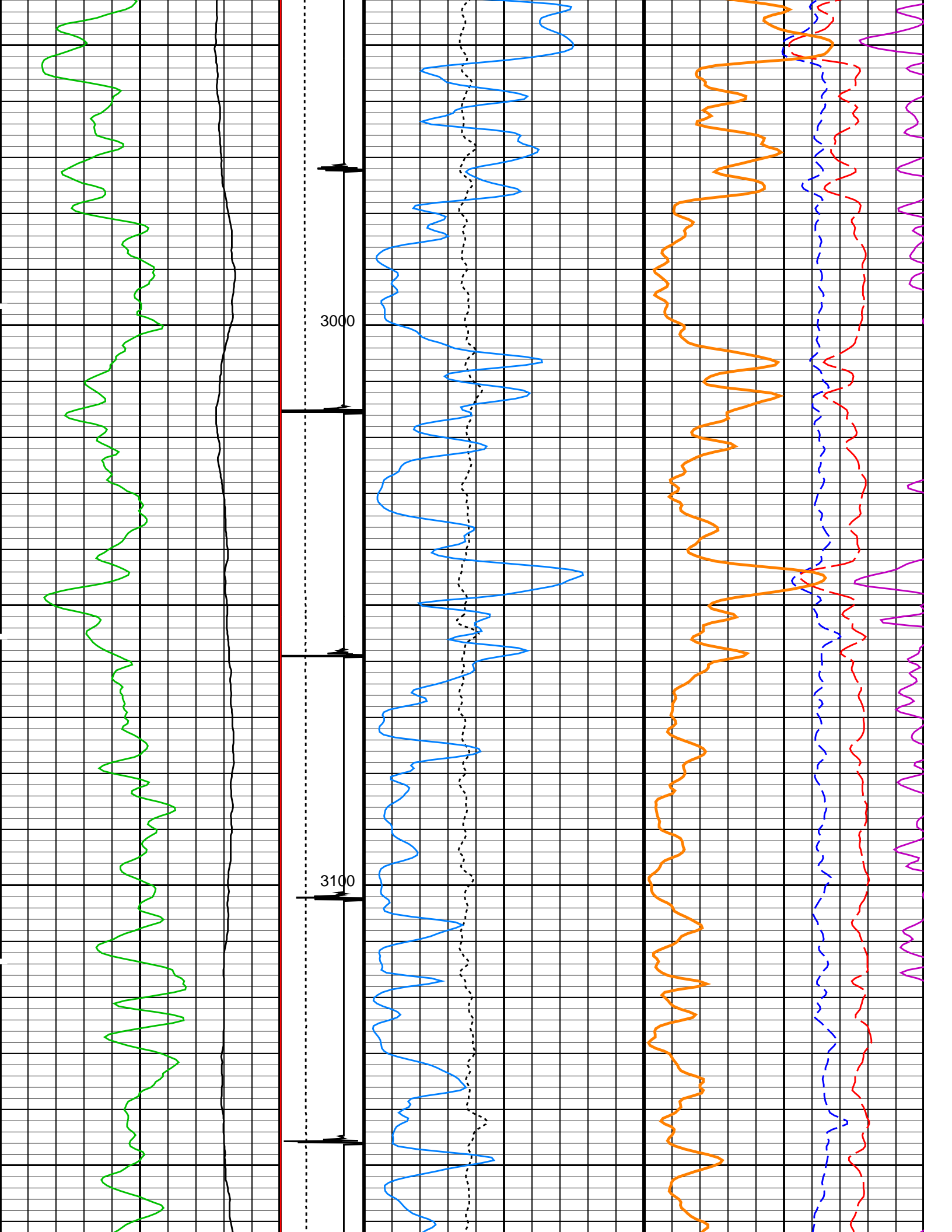
PIP SUMMARY

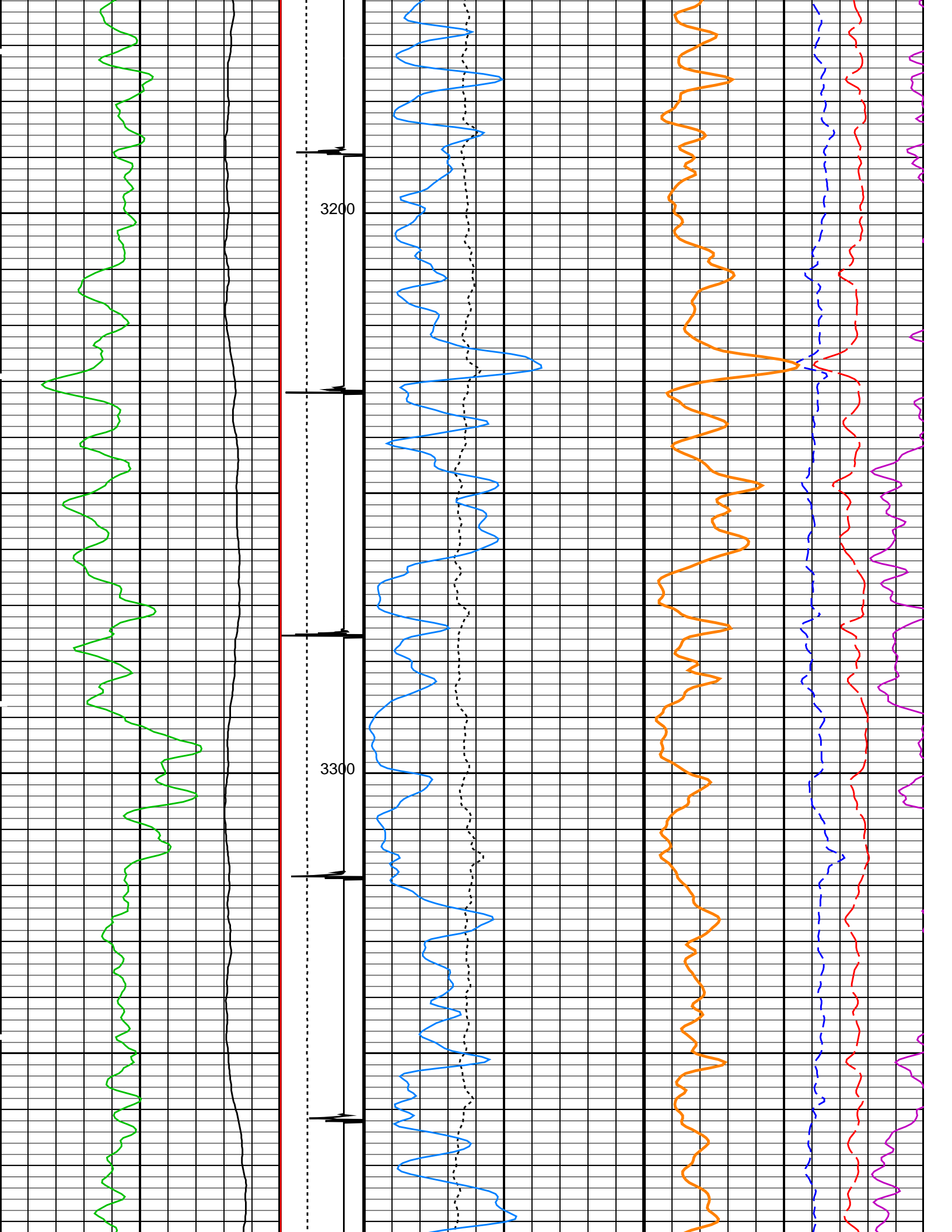
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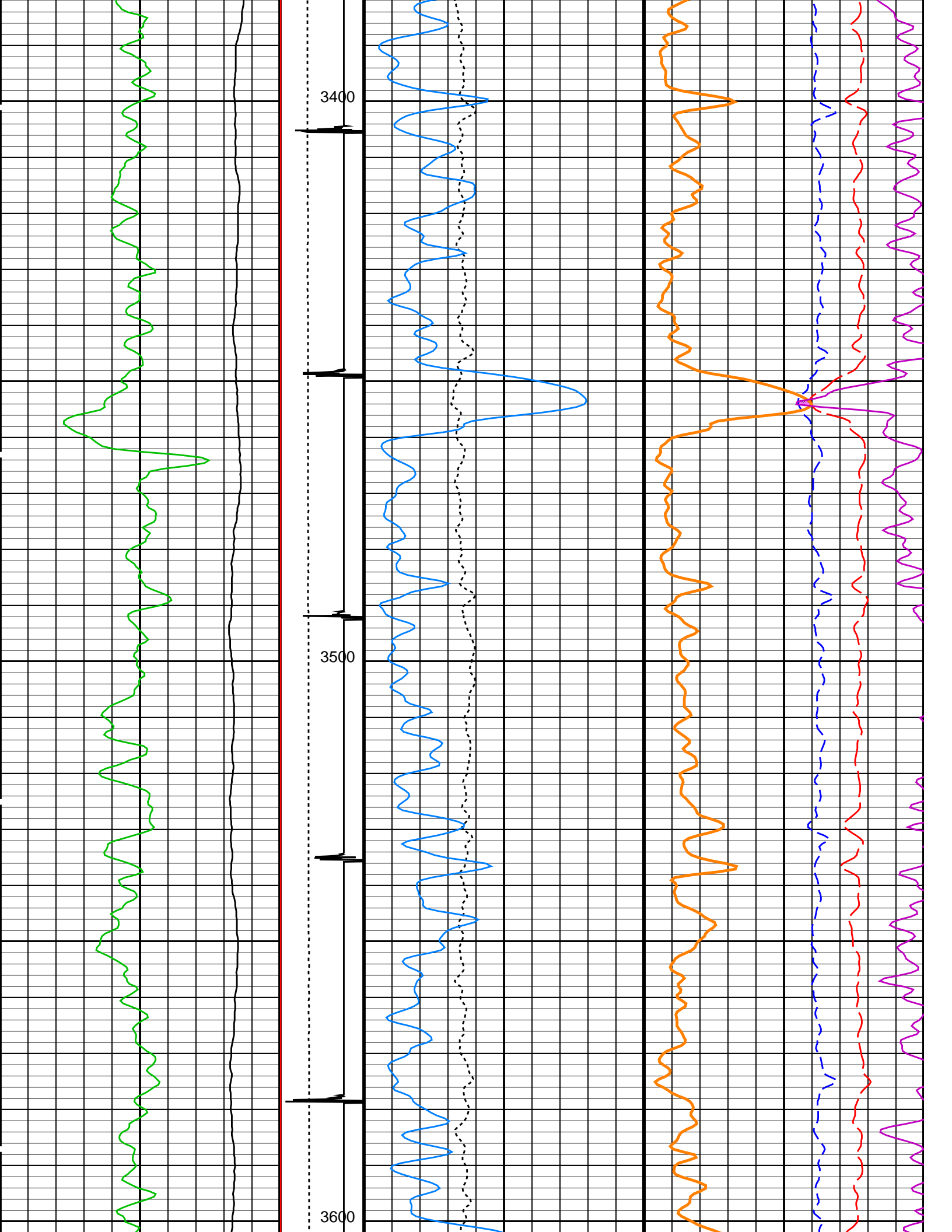
Crossover in sand  
From RST\_CIRF\_FIL to RST\_CIRN\_FIL

WINR Gas Flag

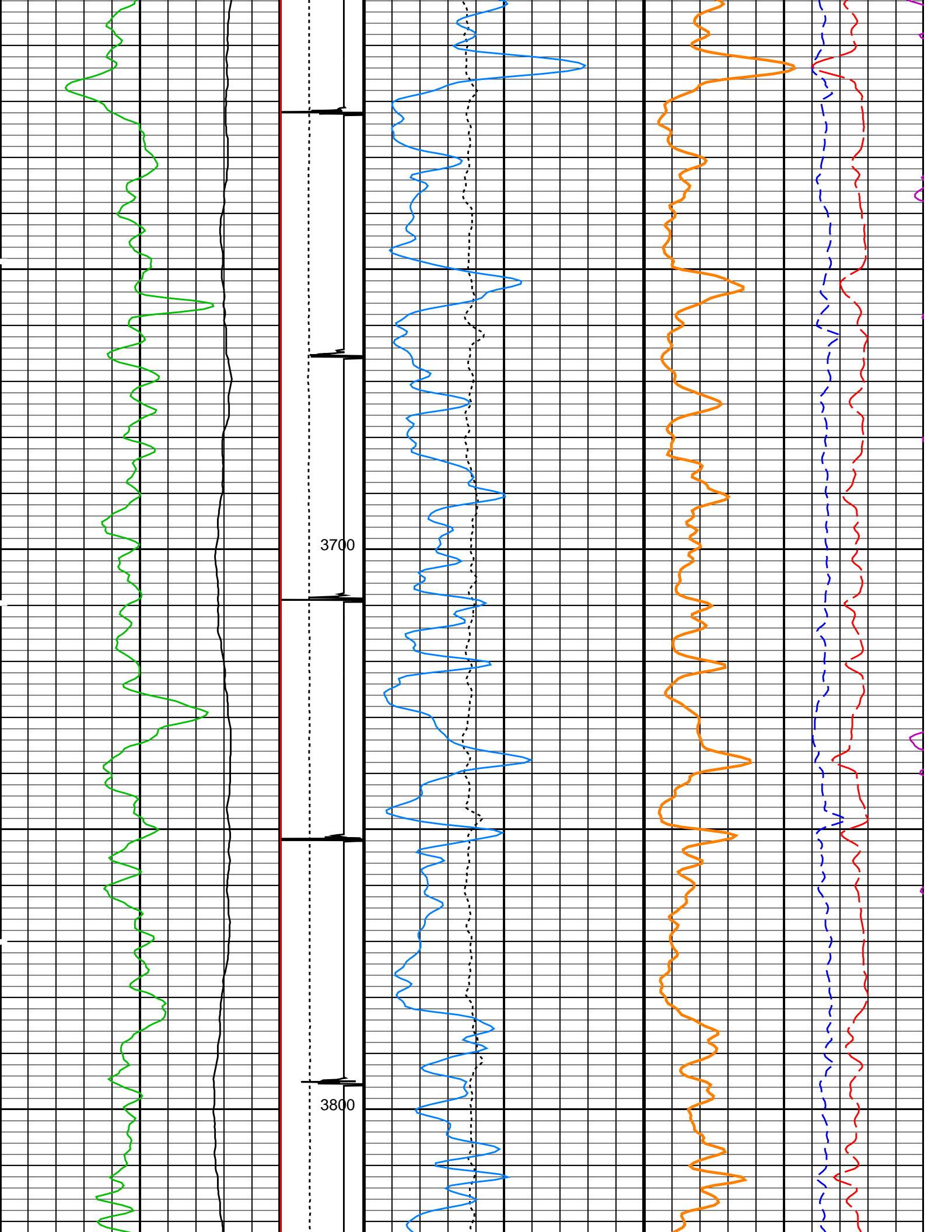


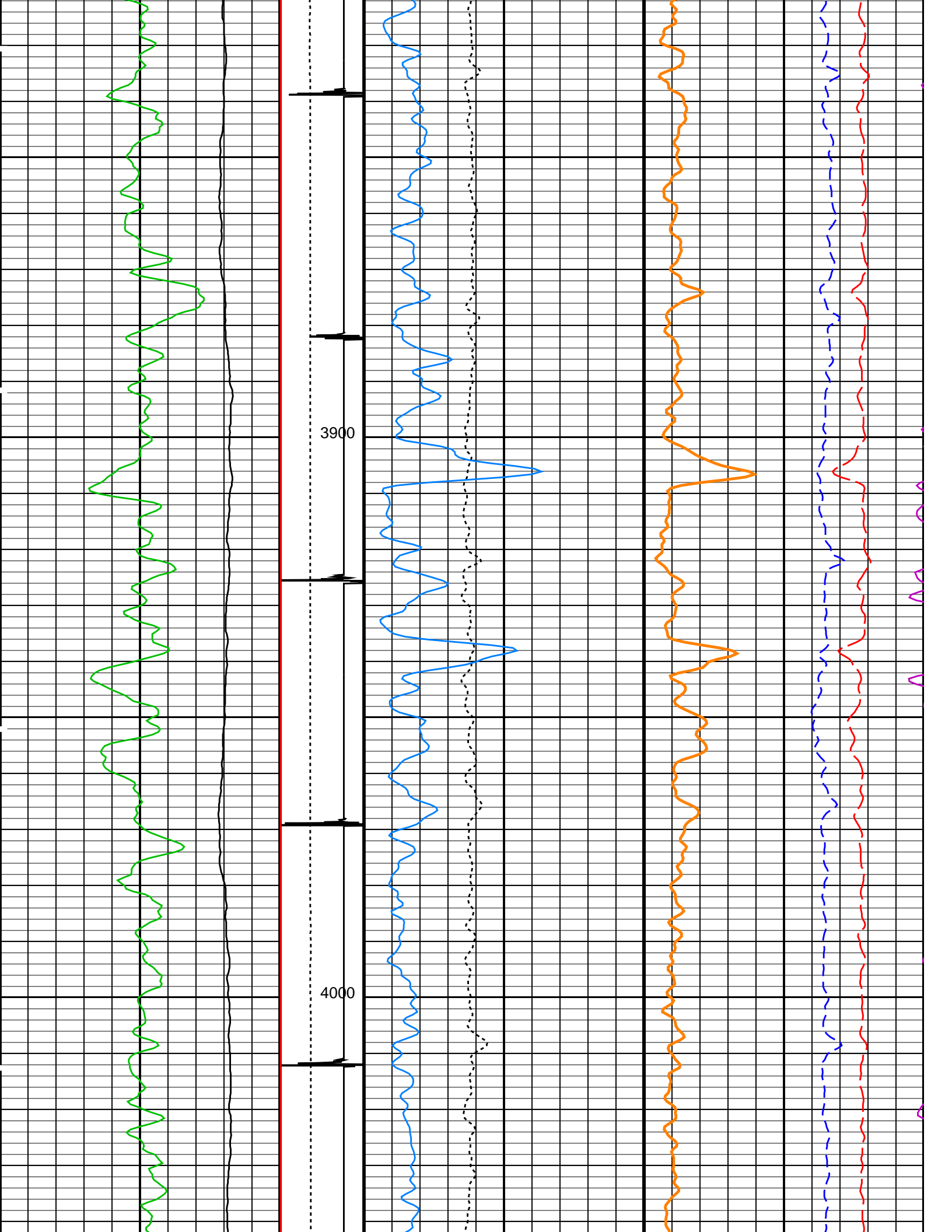


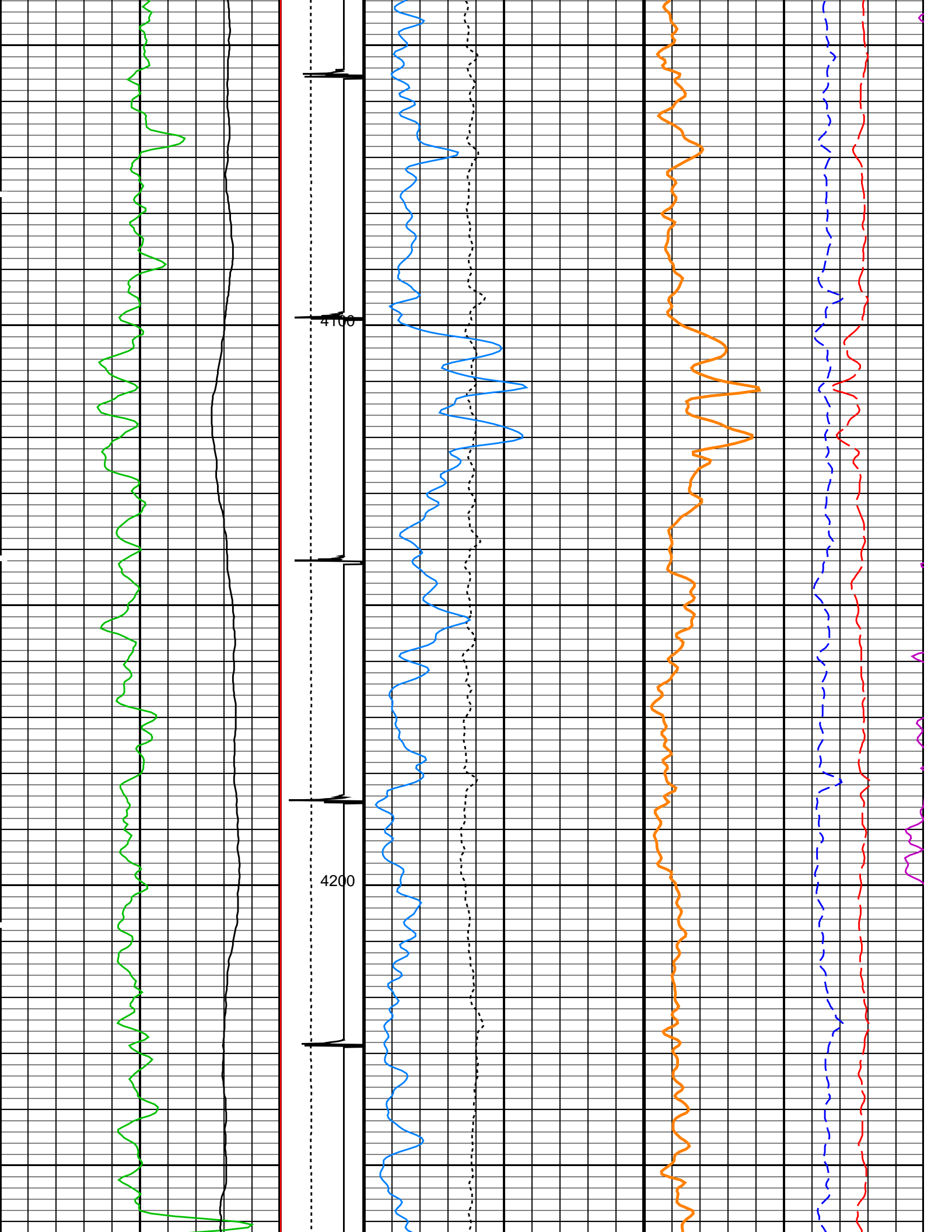


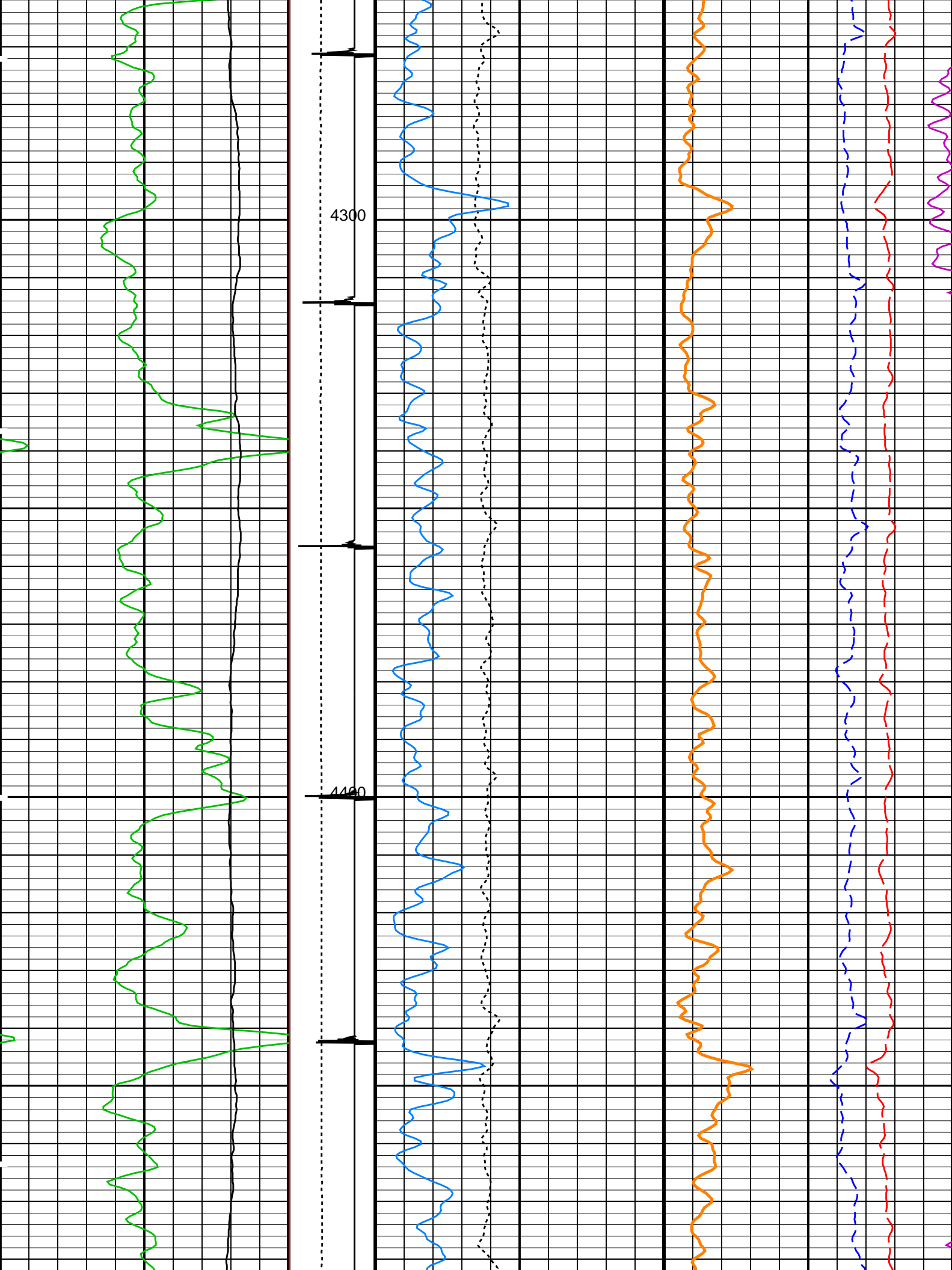


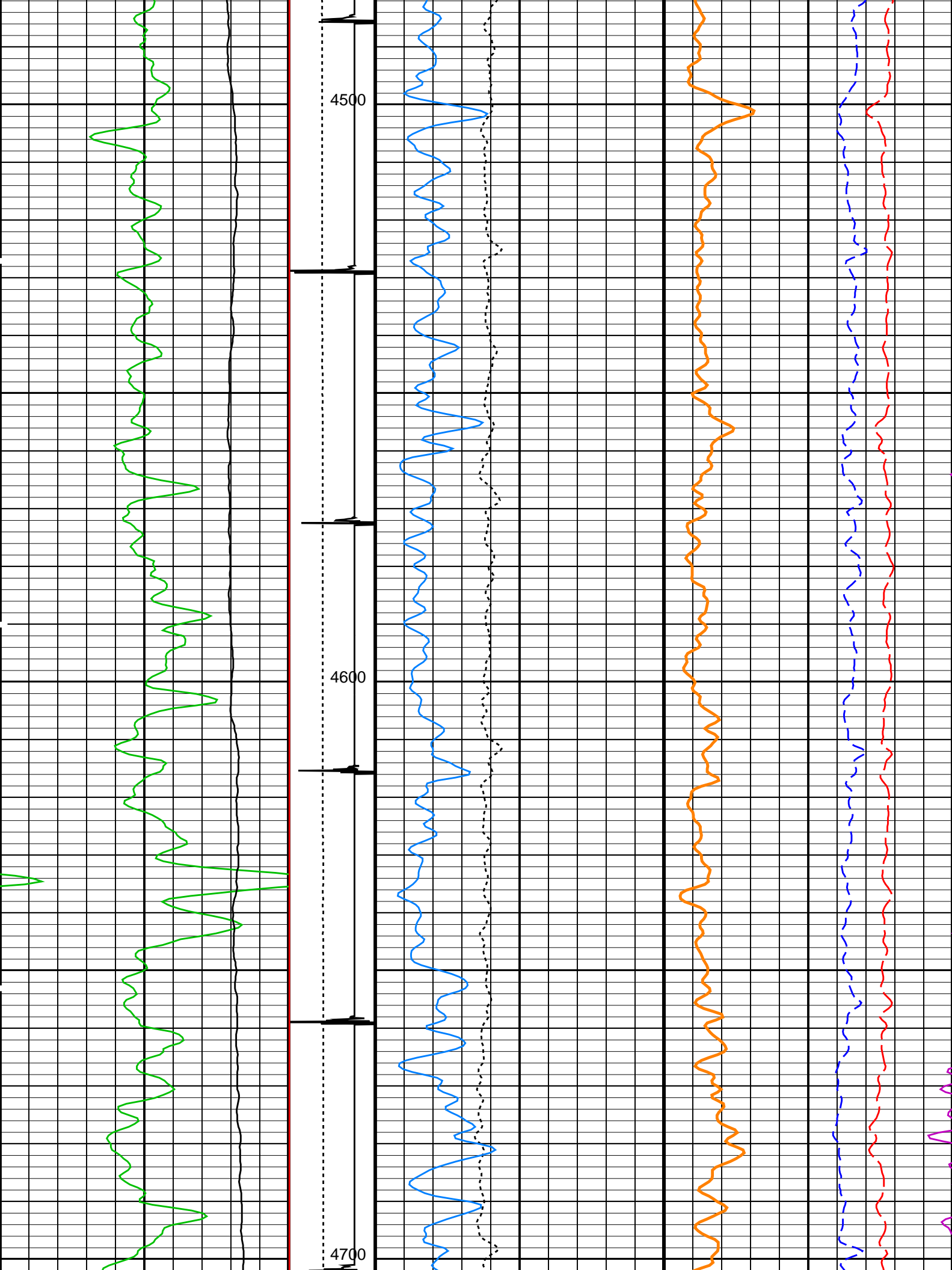


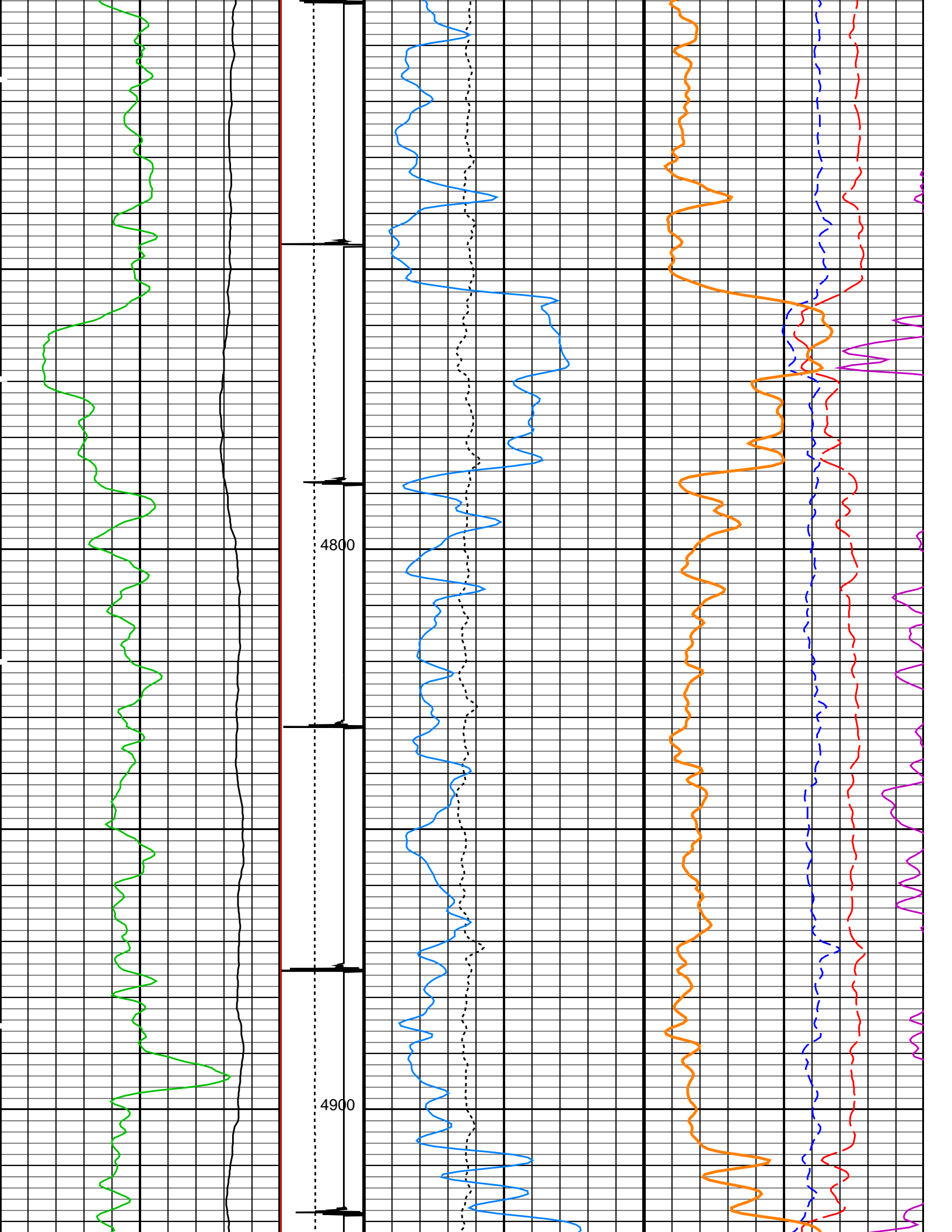


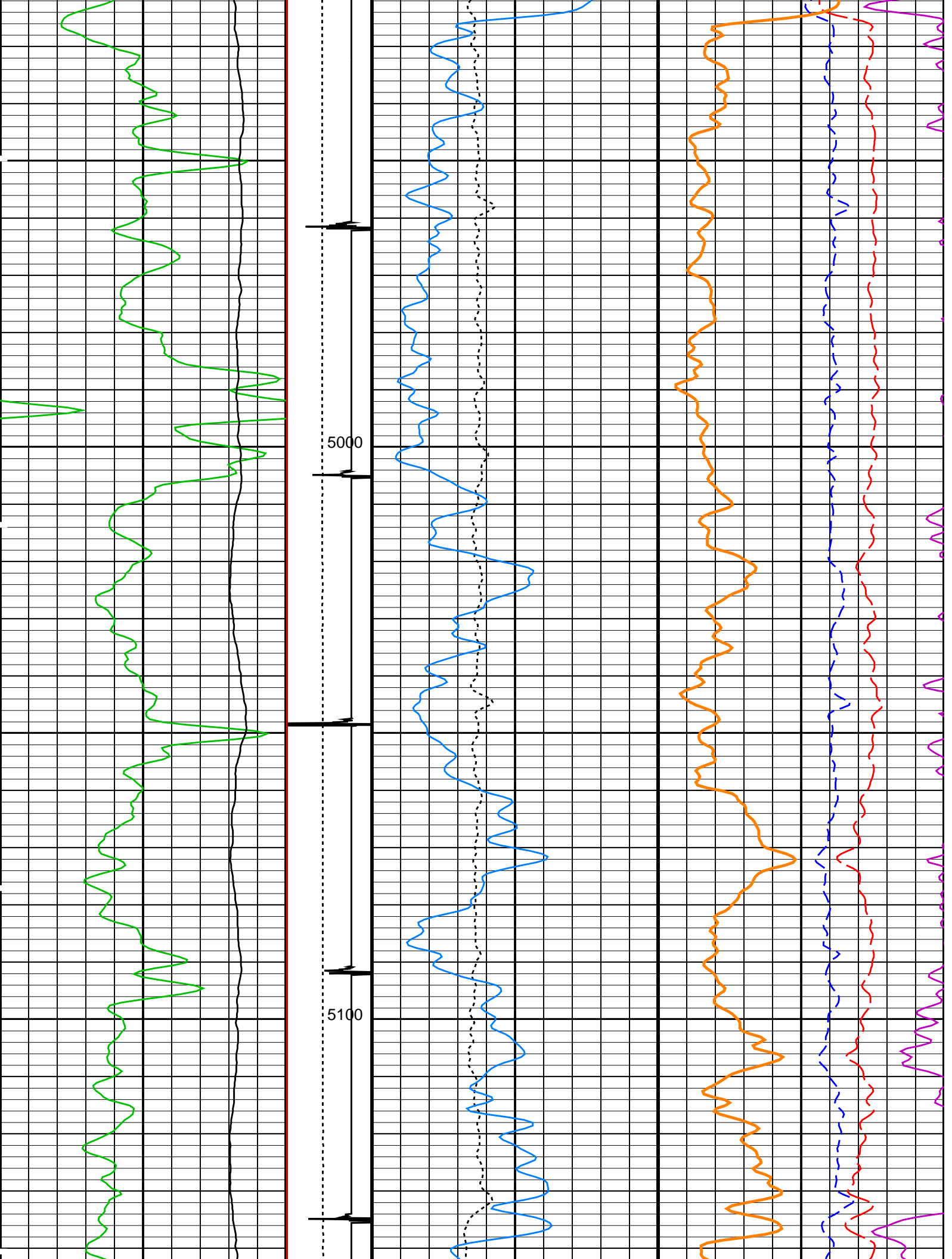


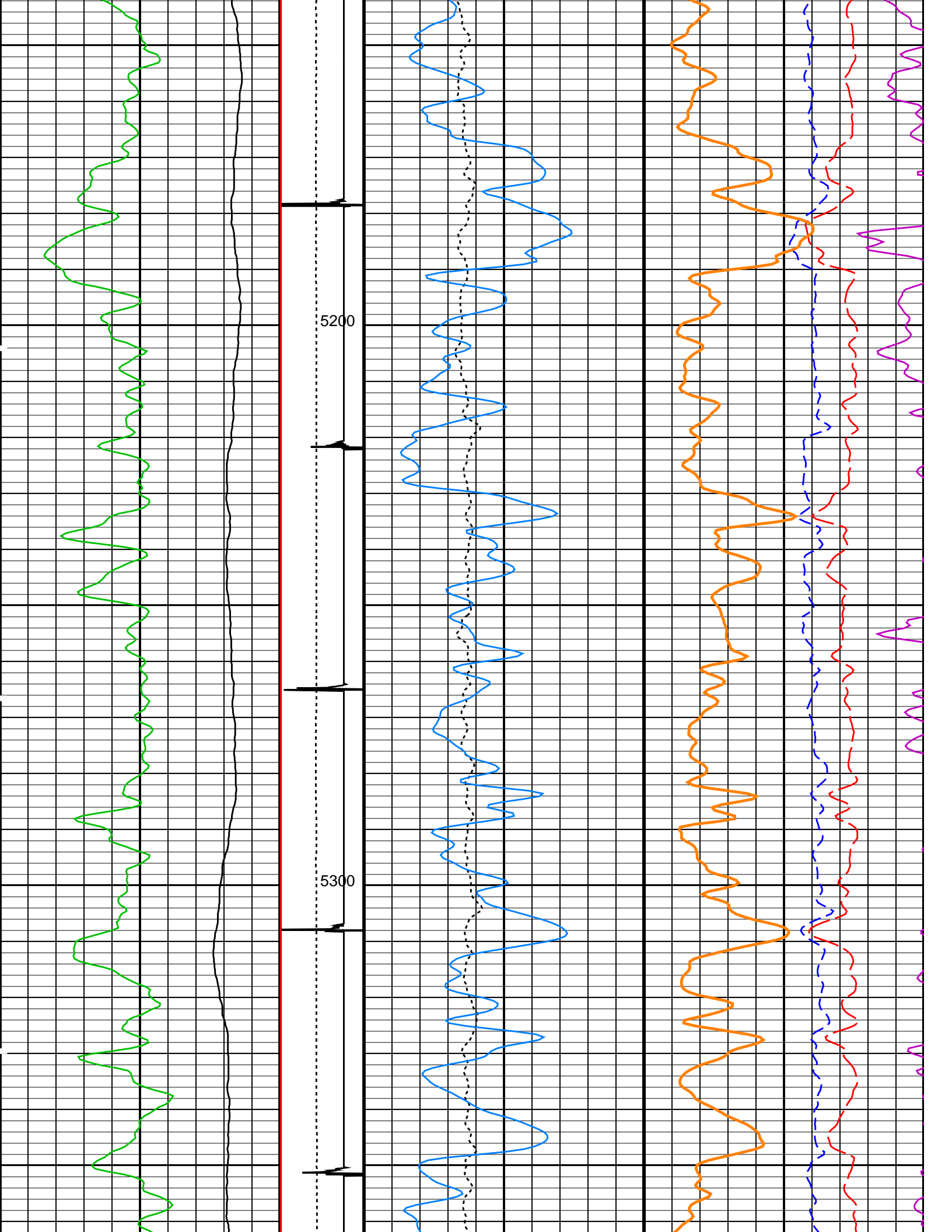




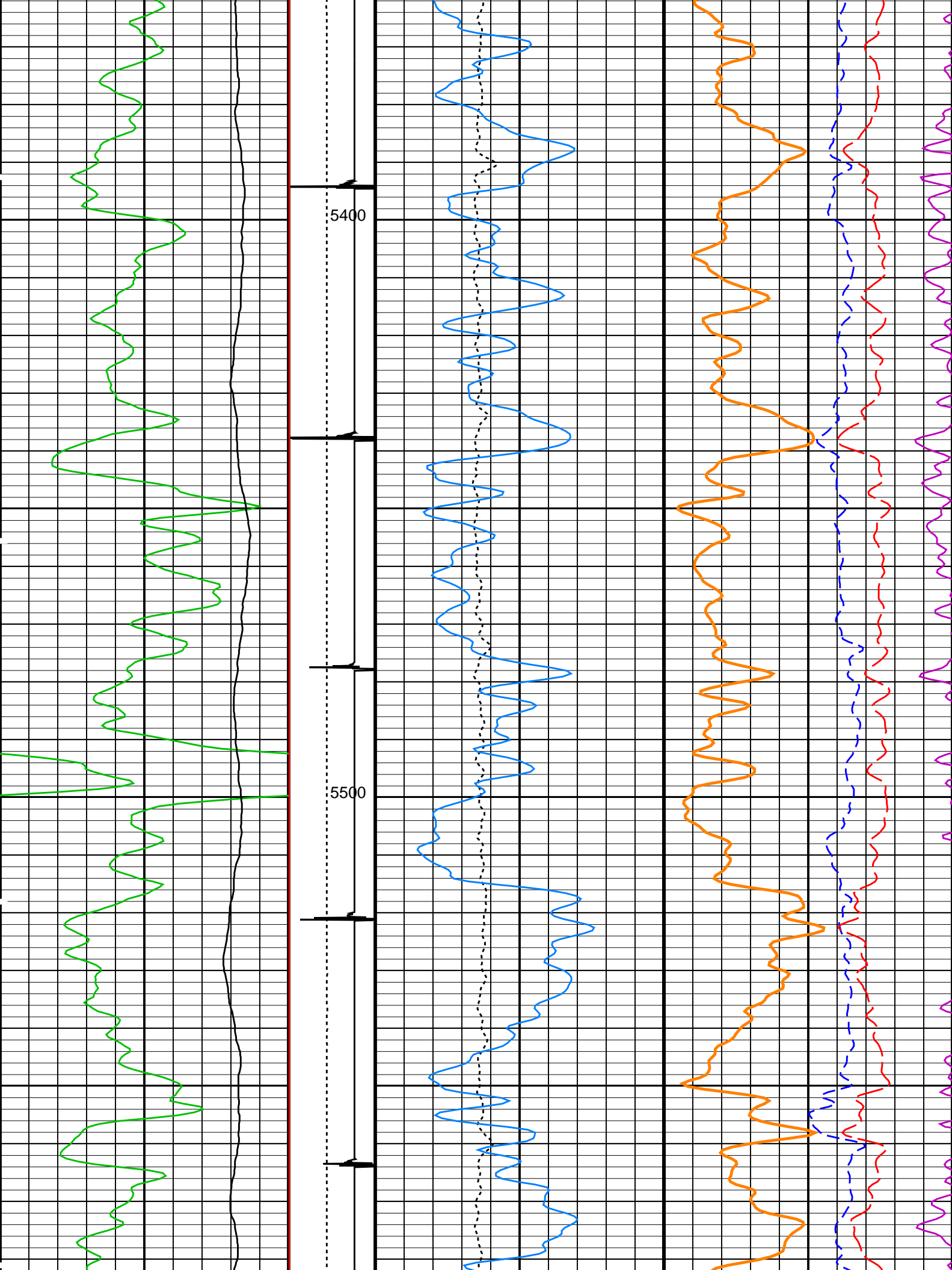


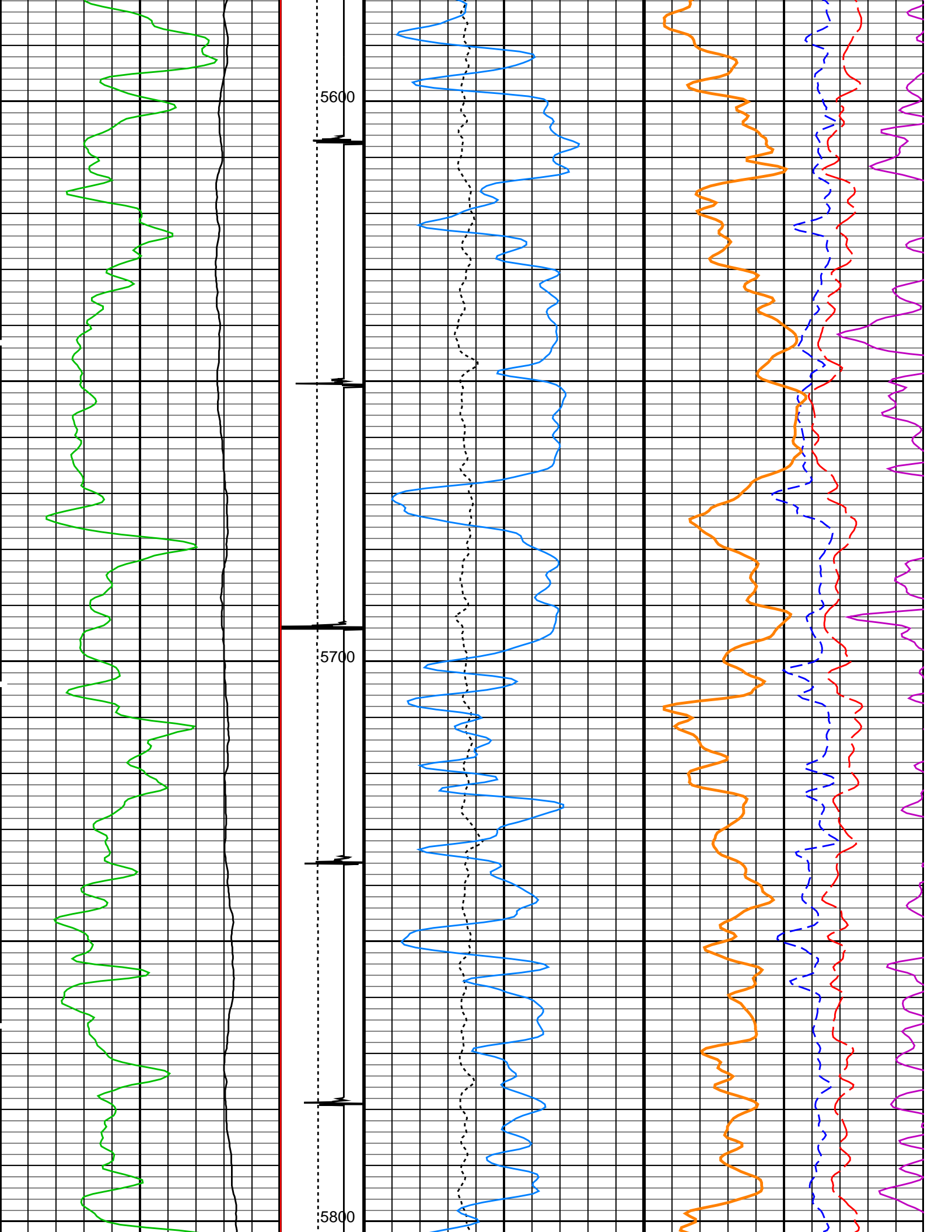


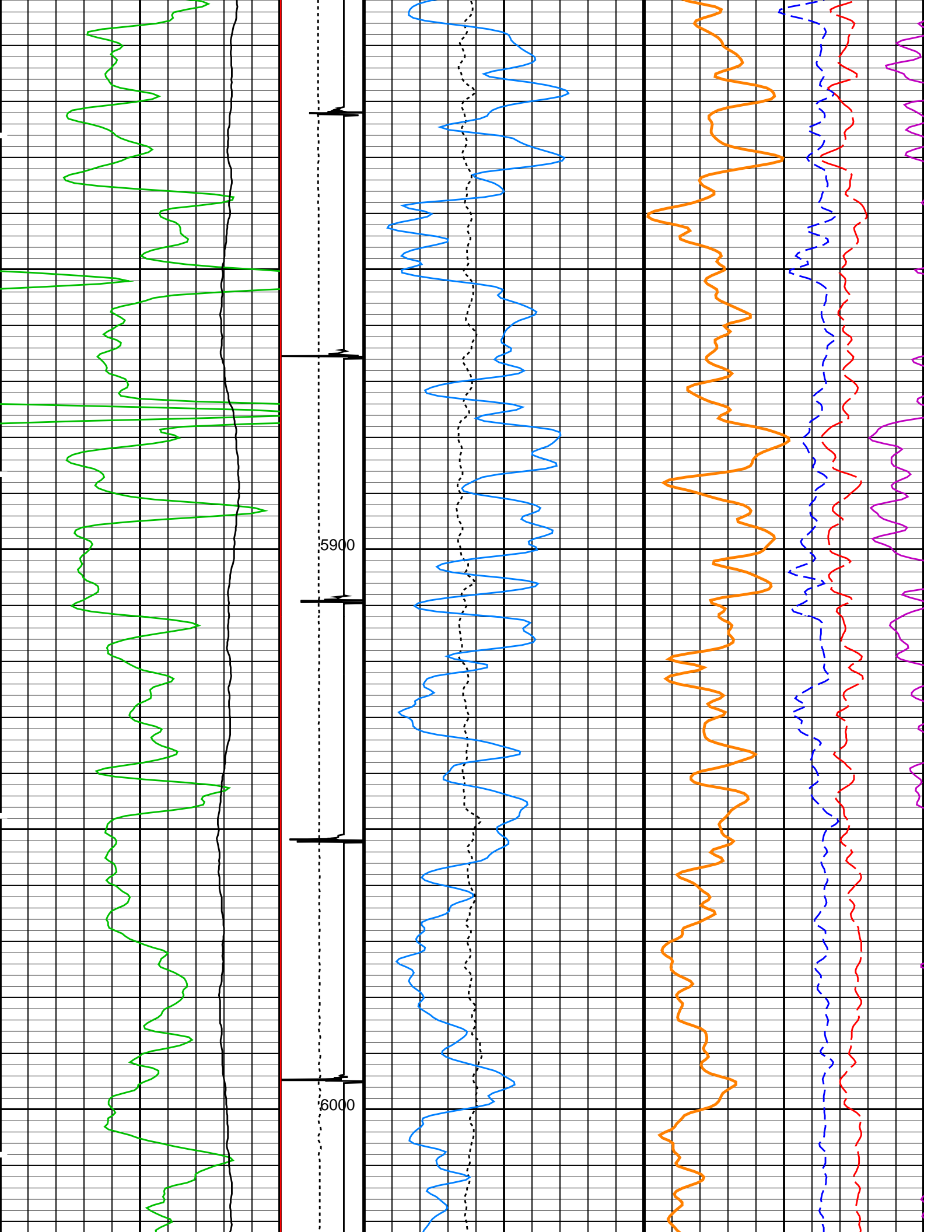


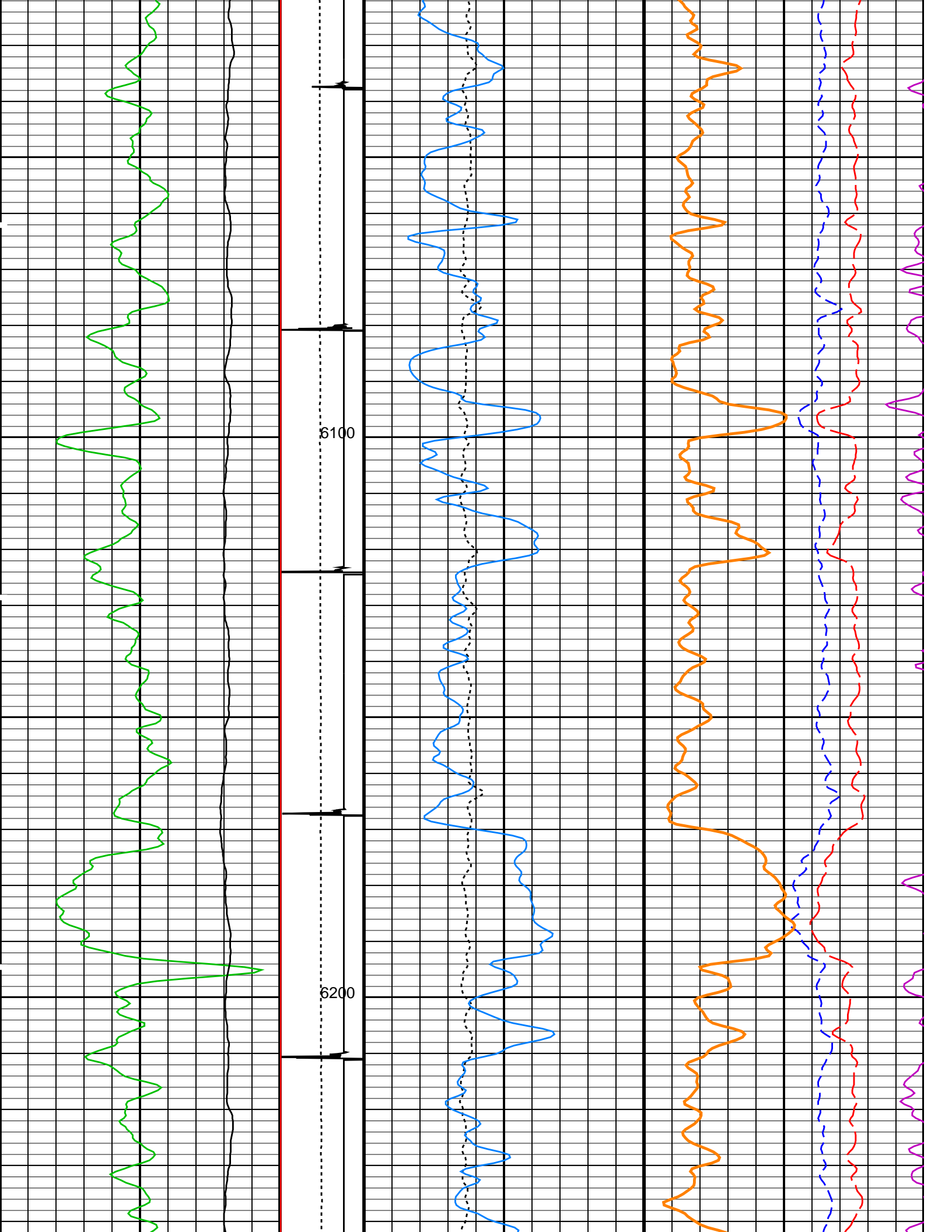


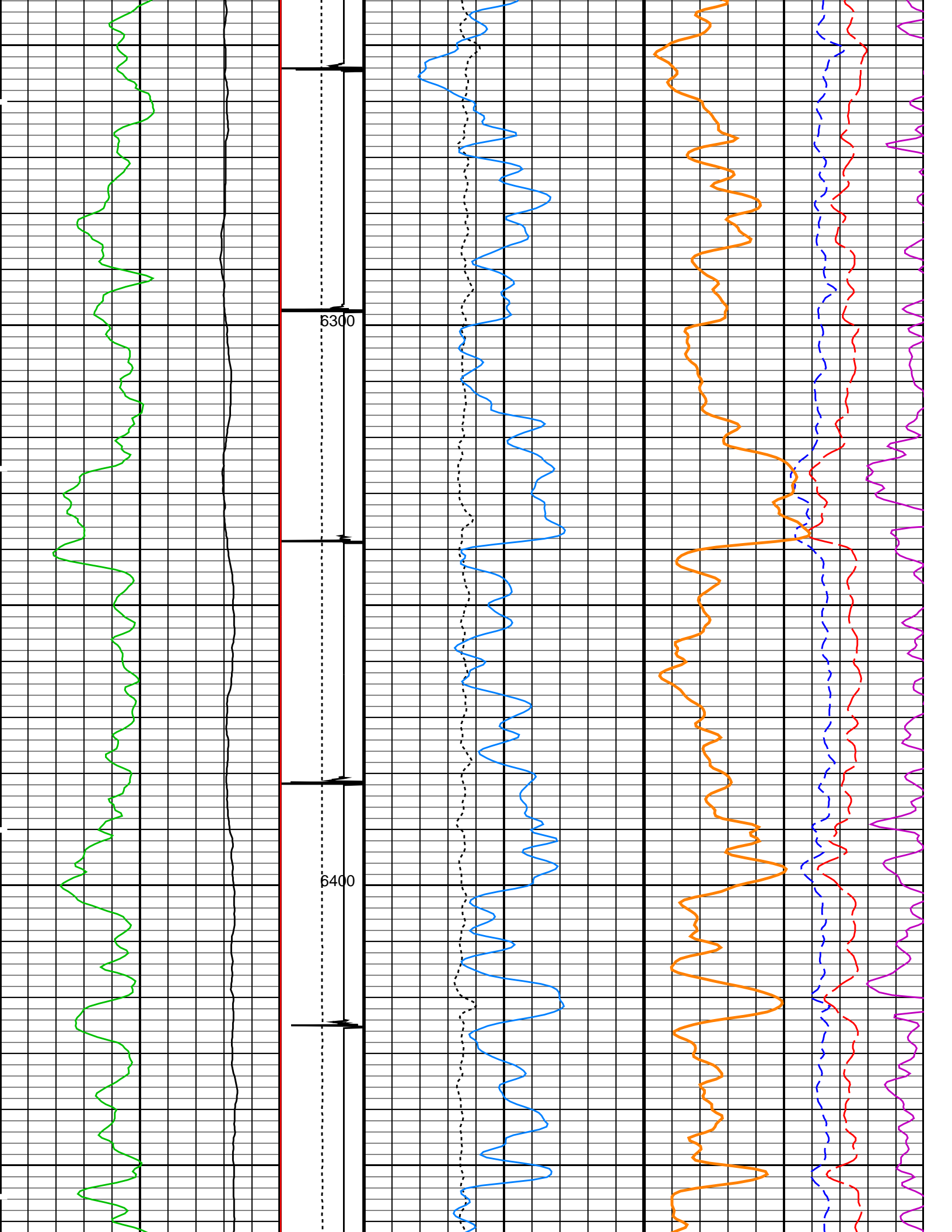


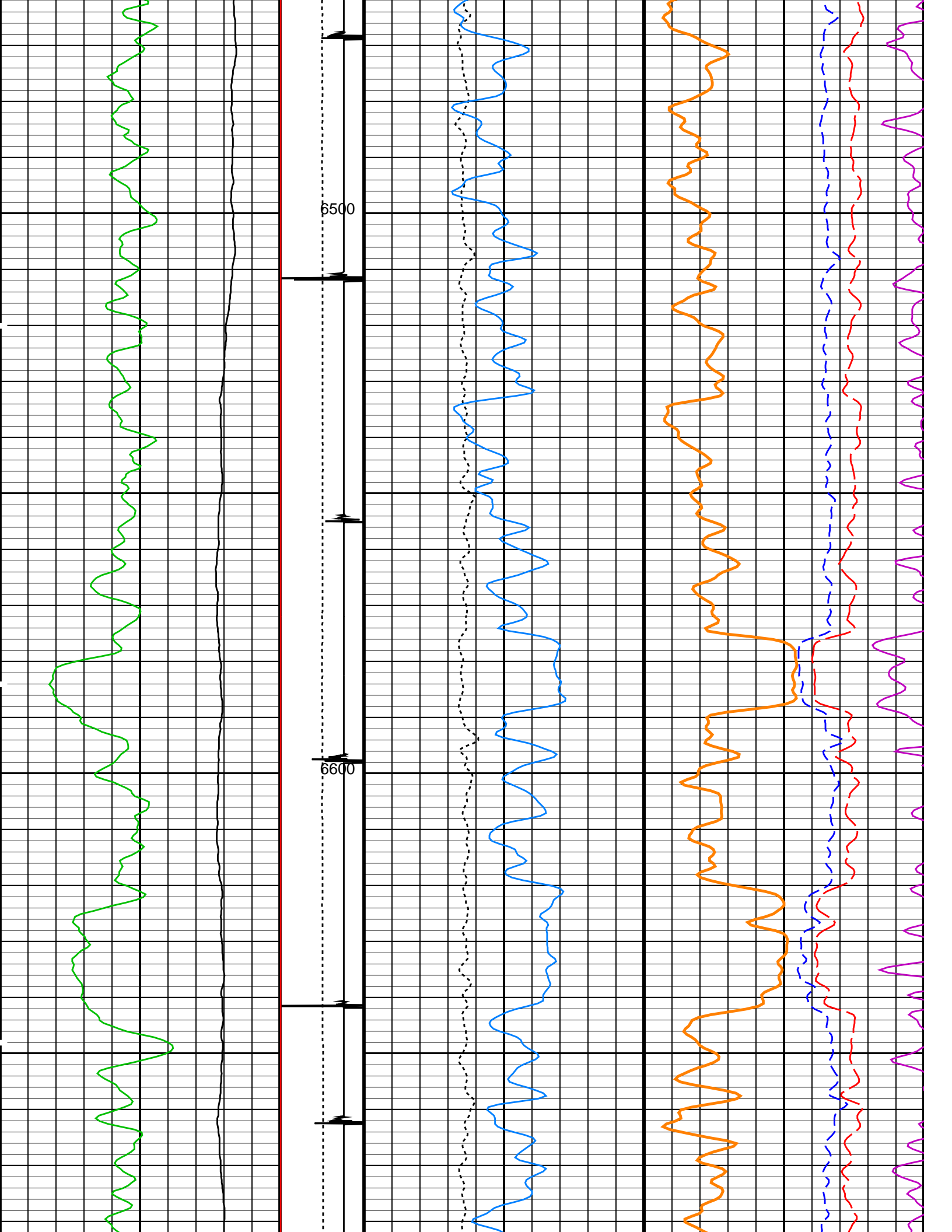


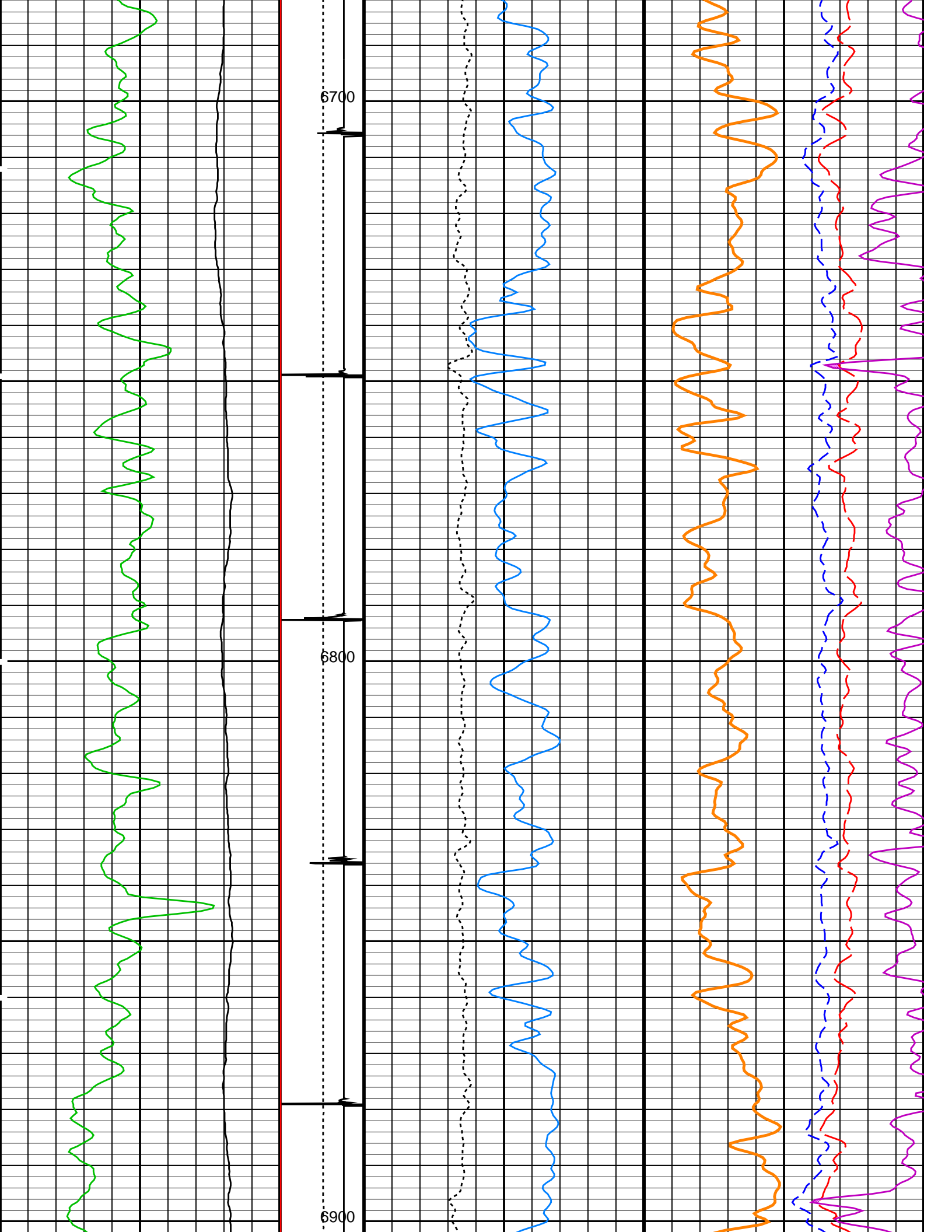


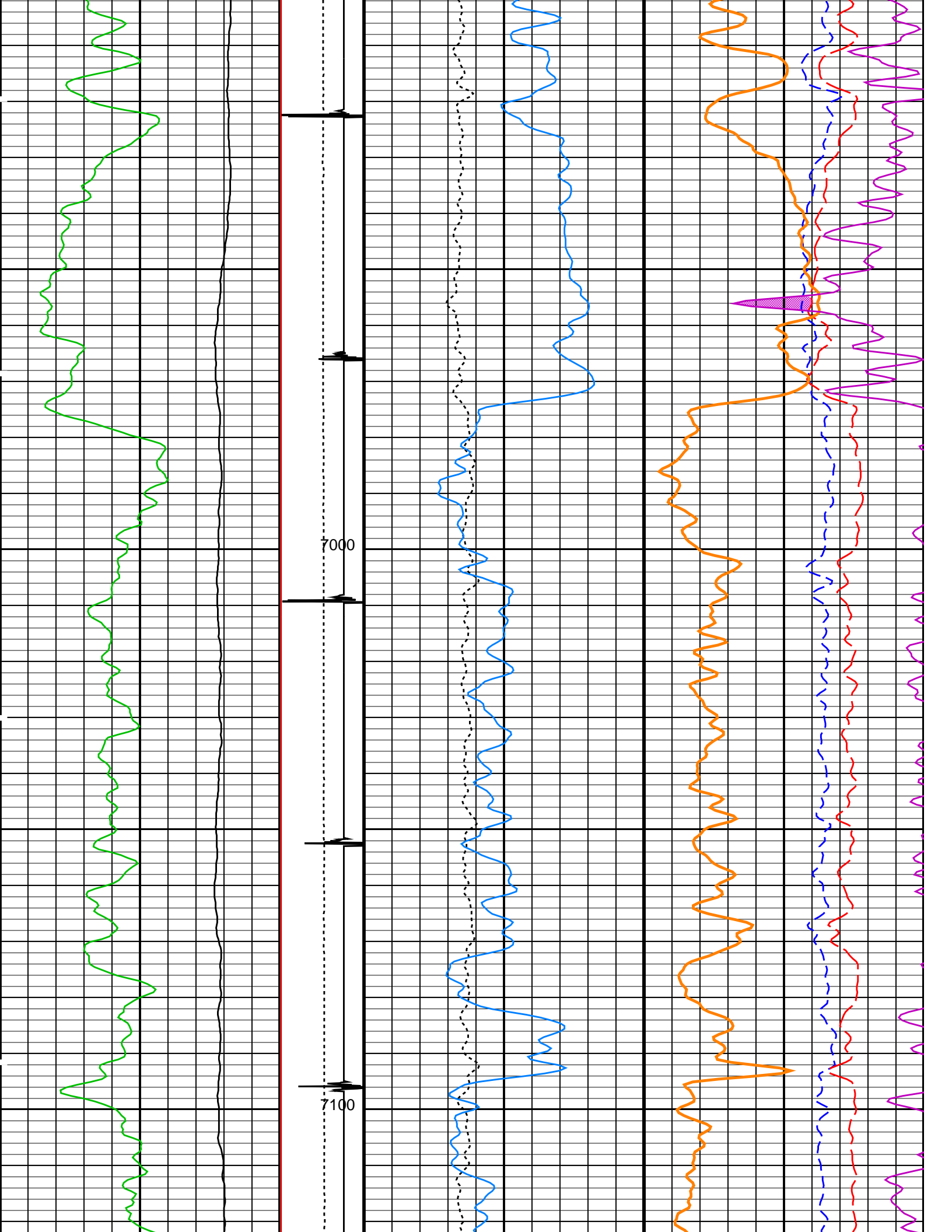




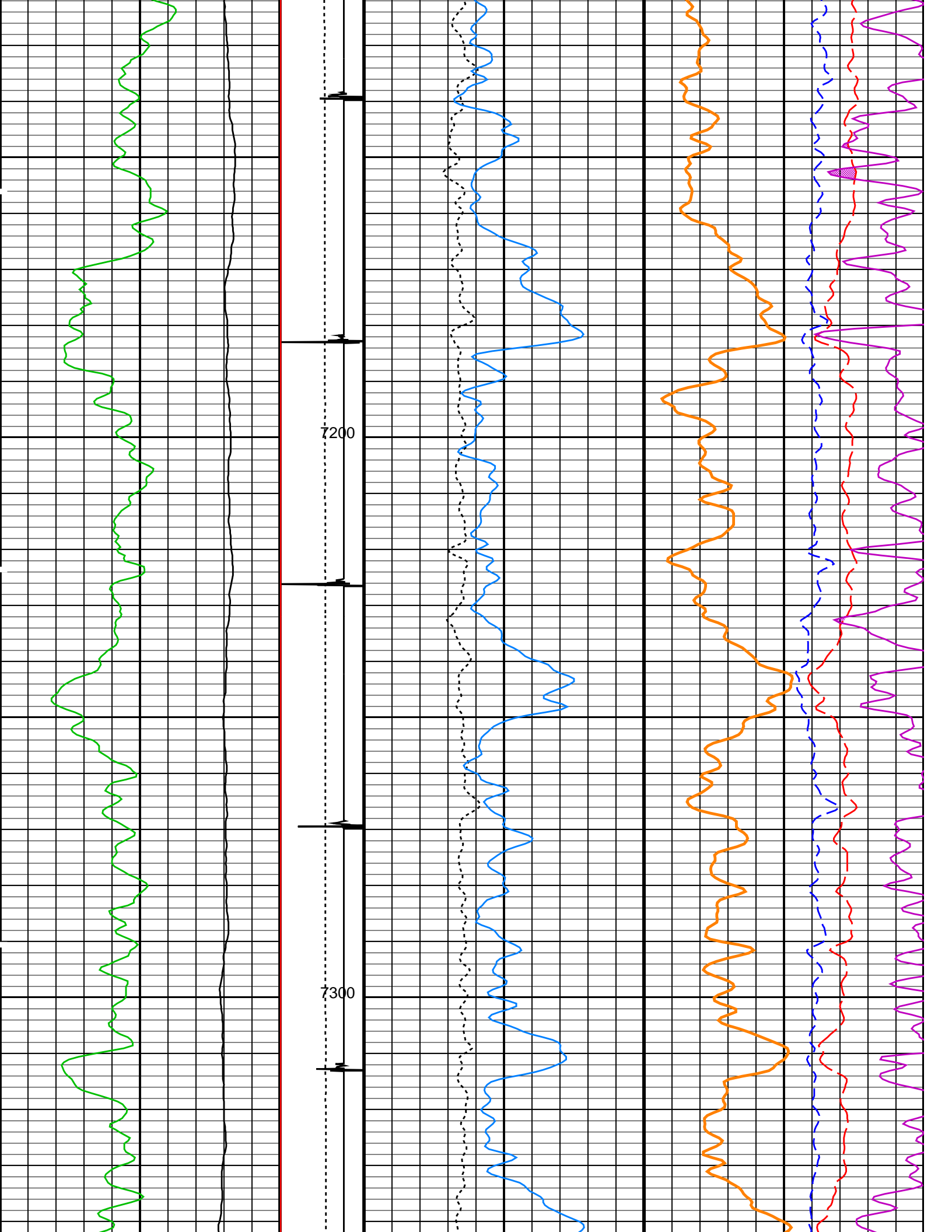


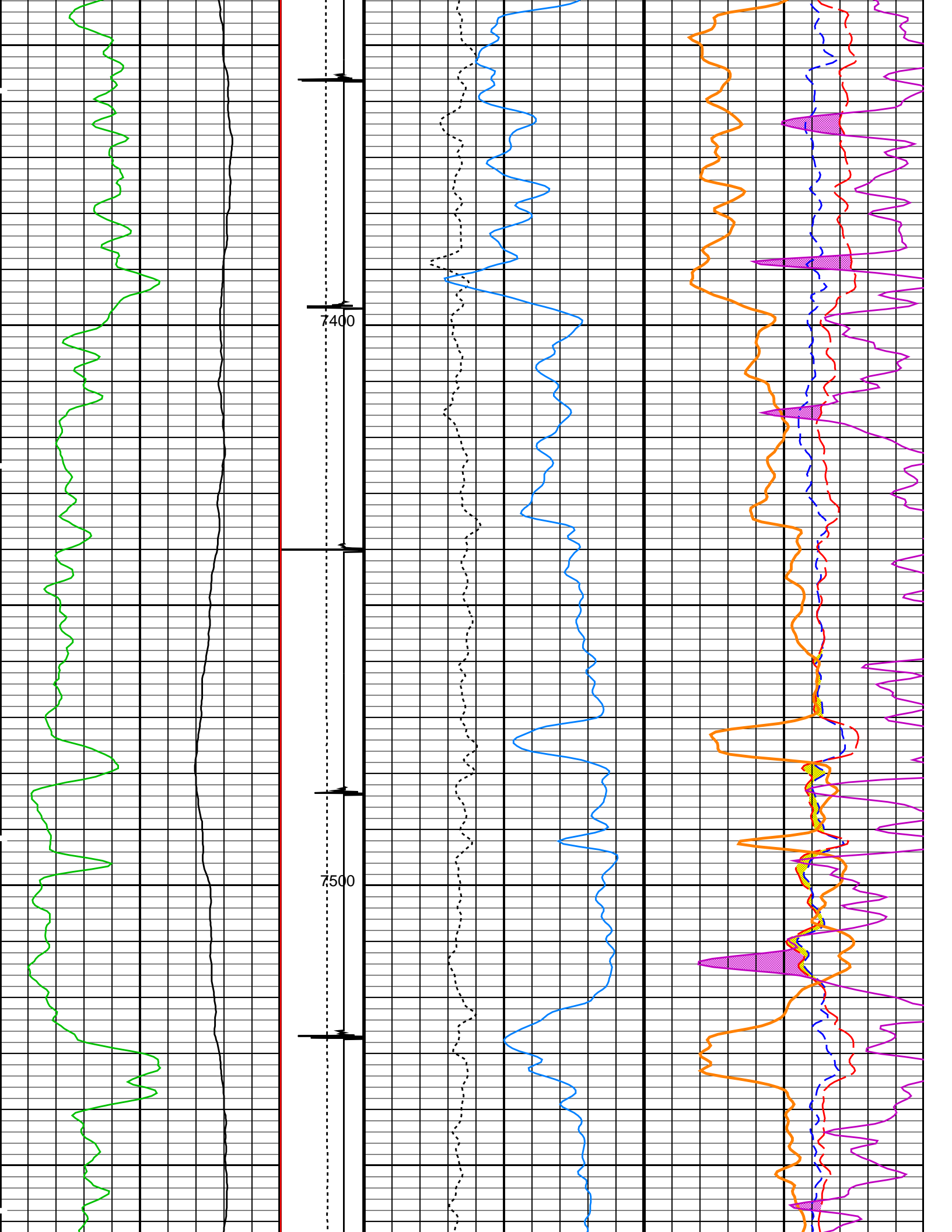


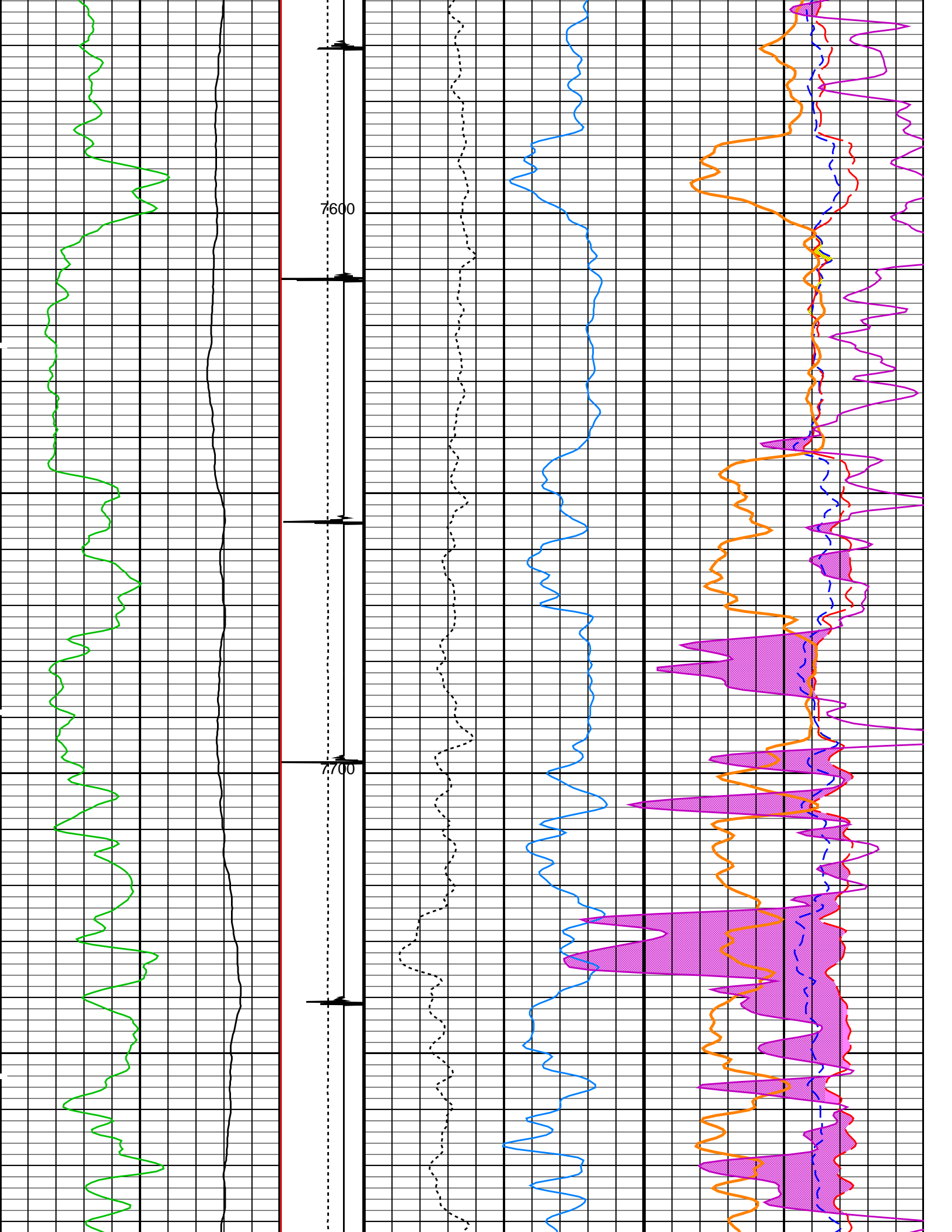


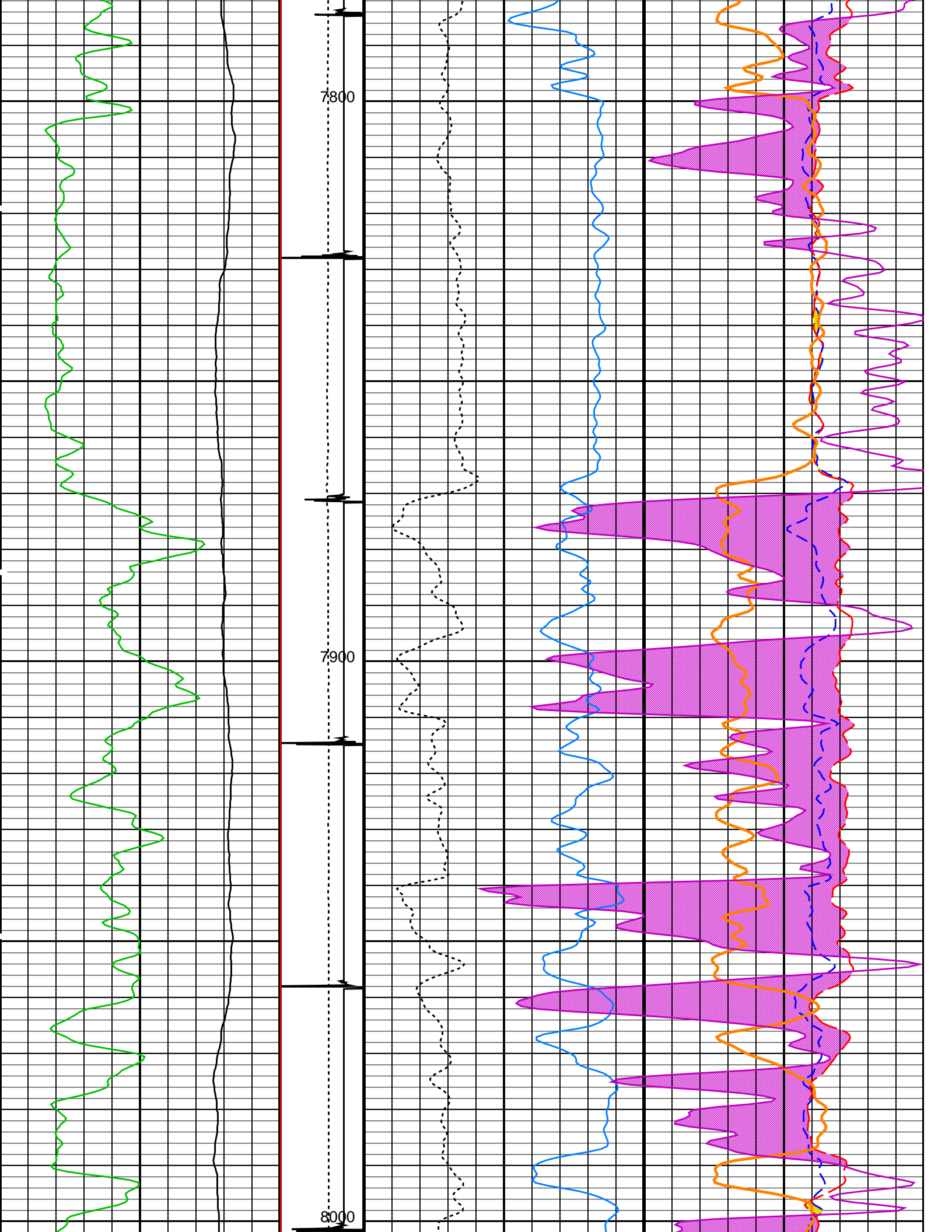


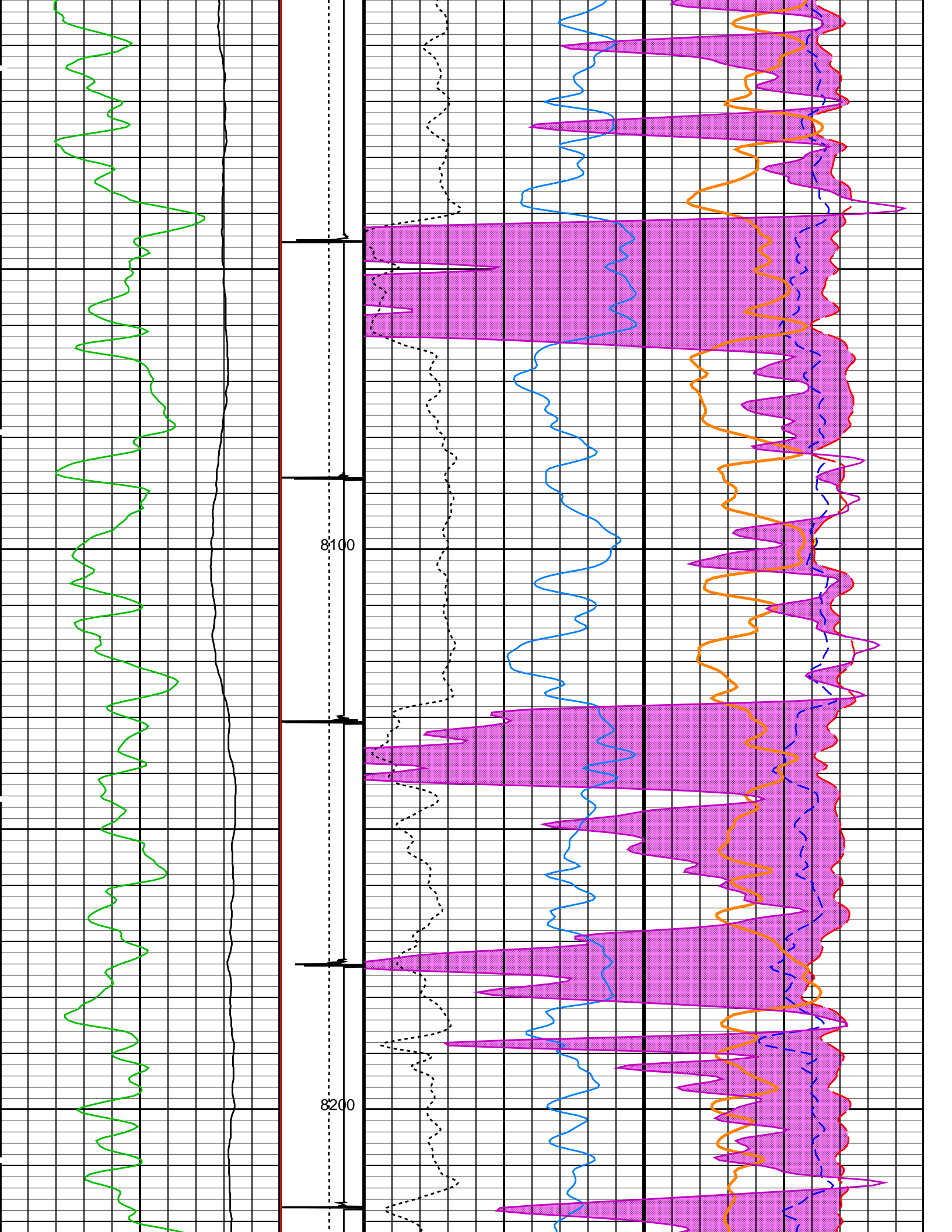




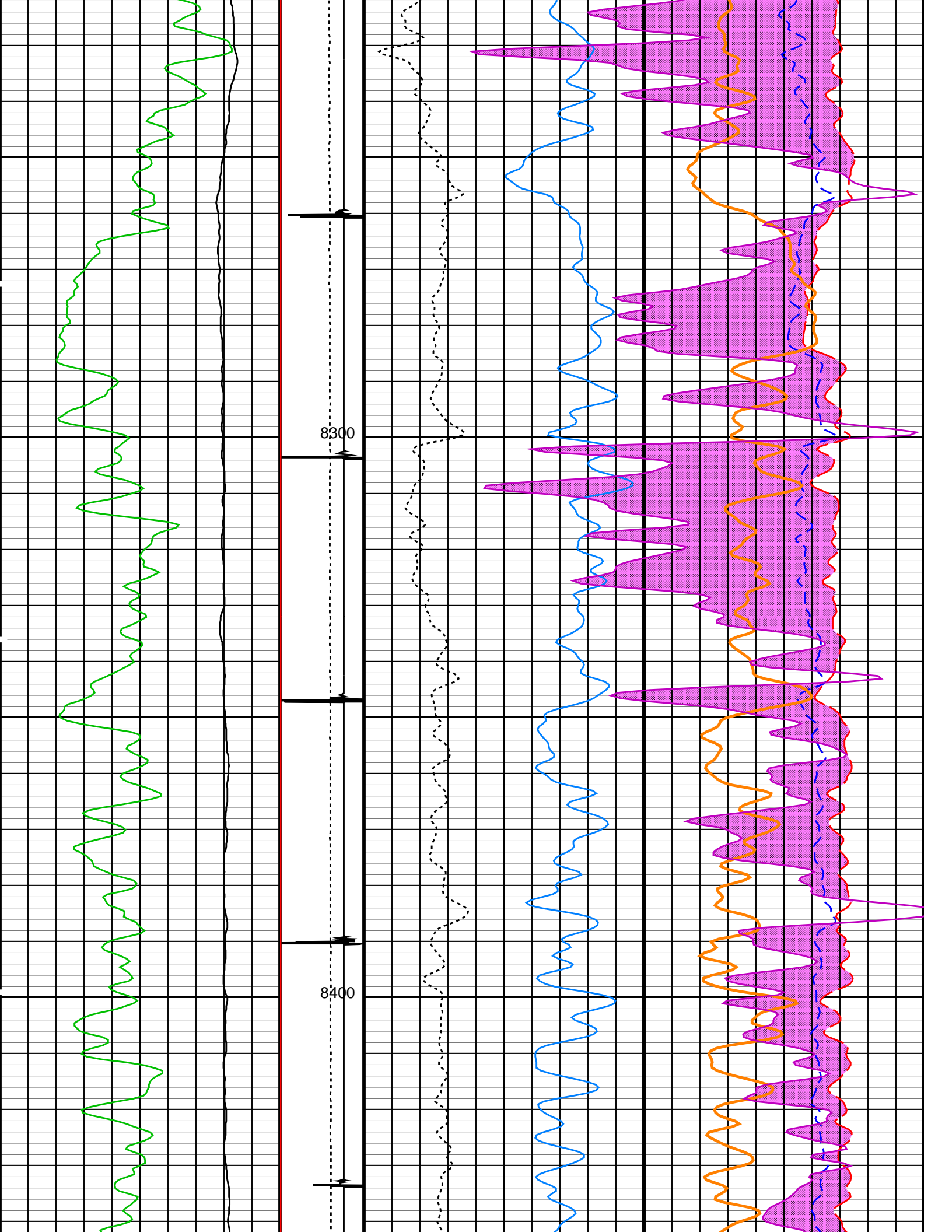


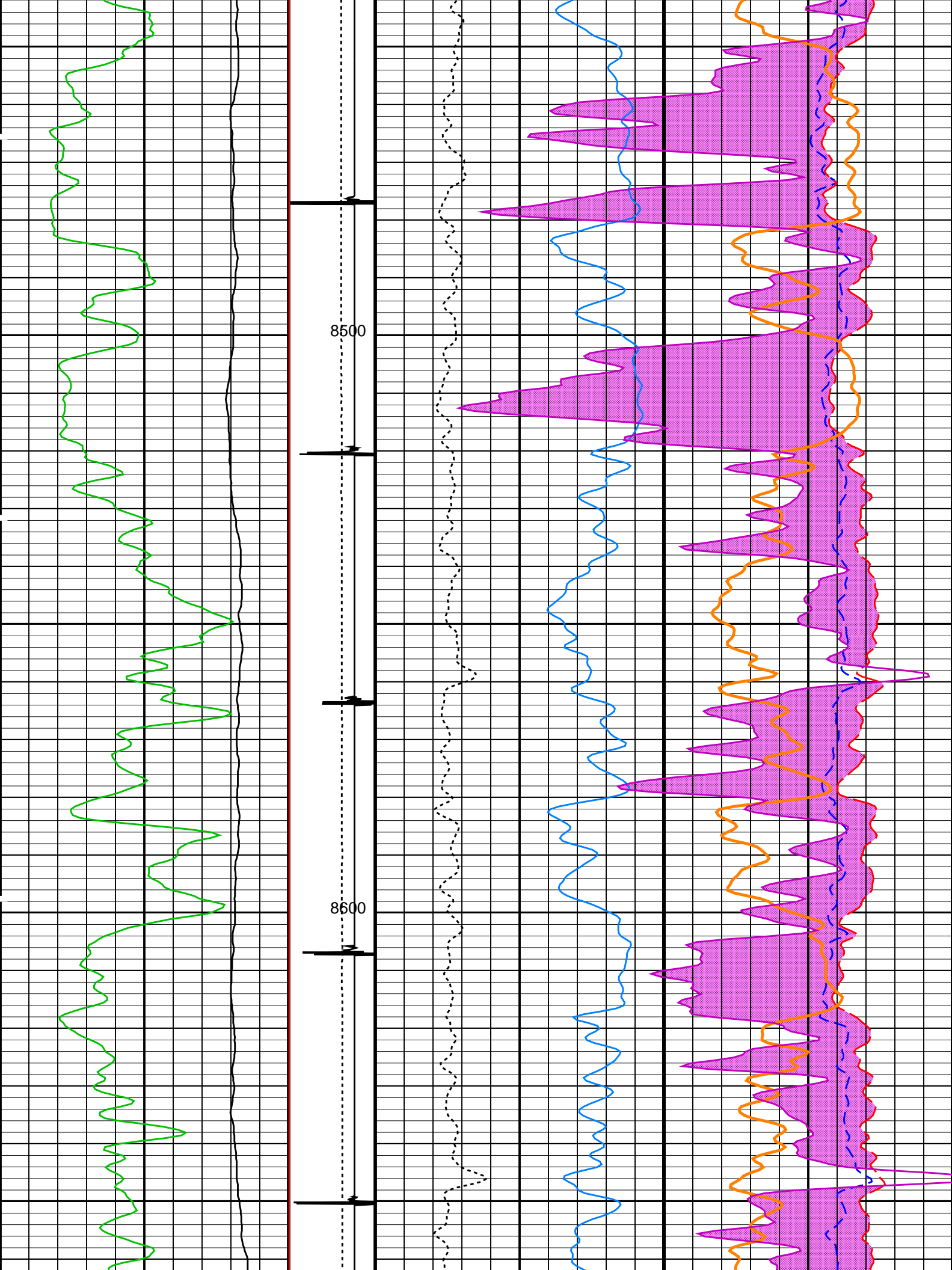


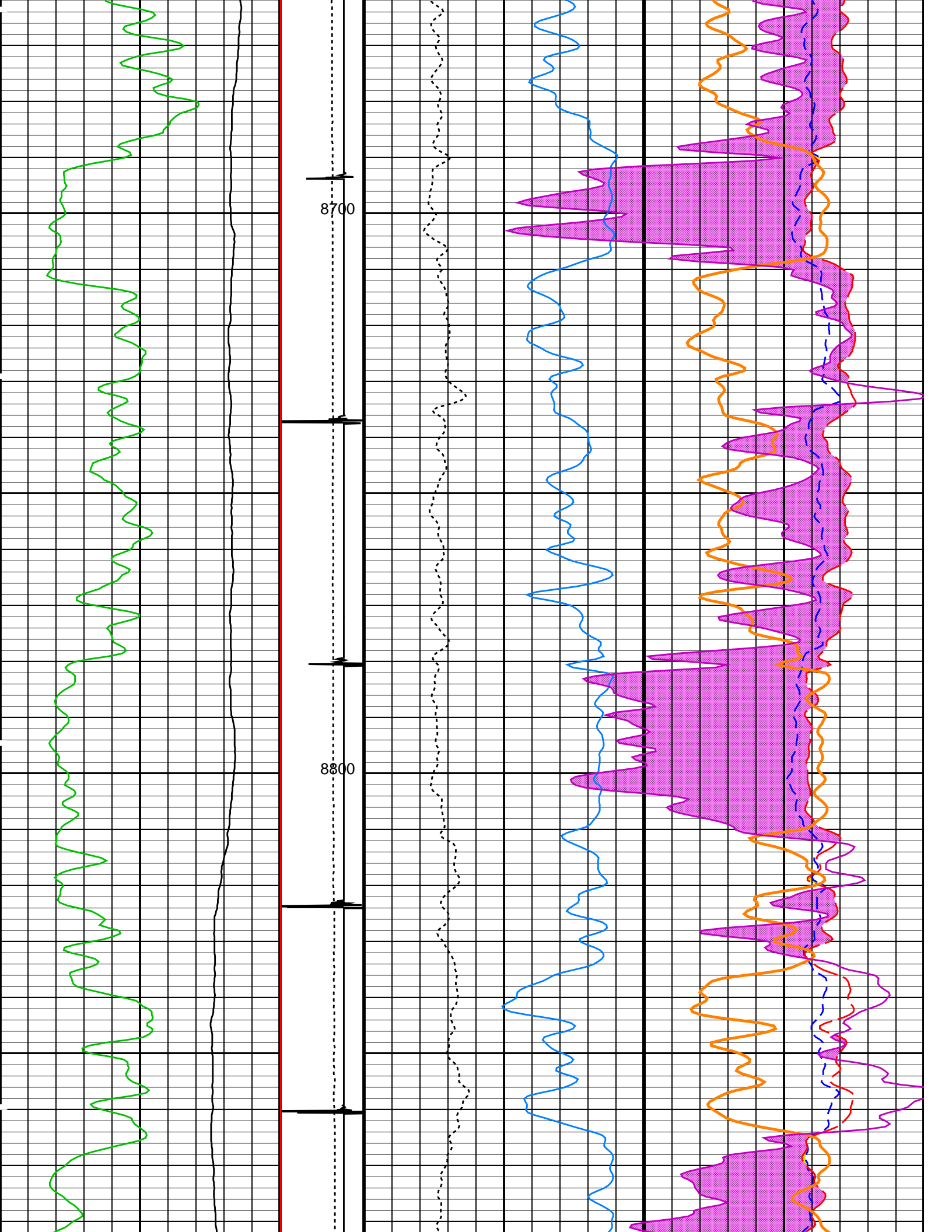




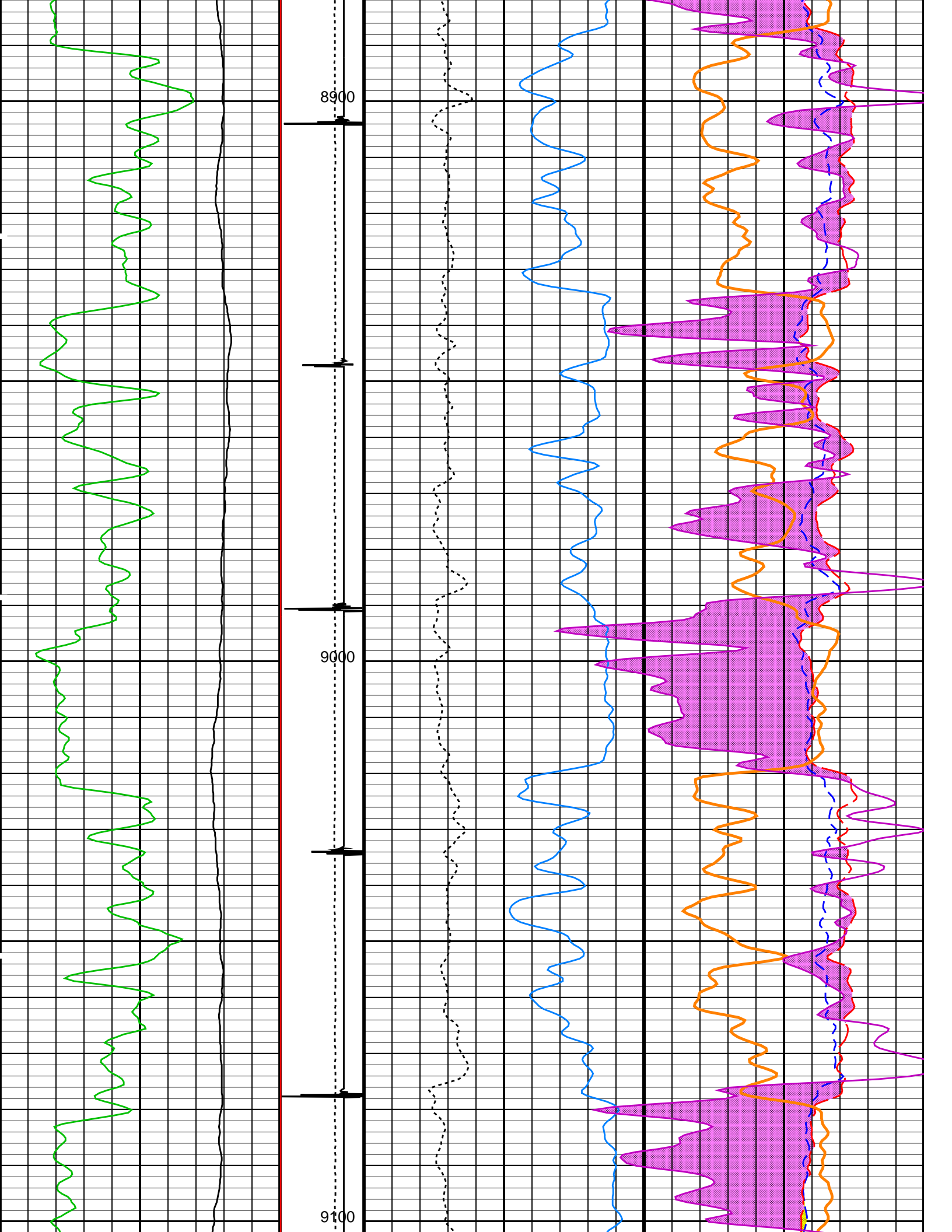


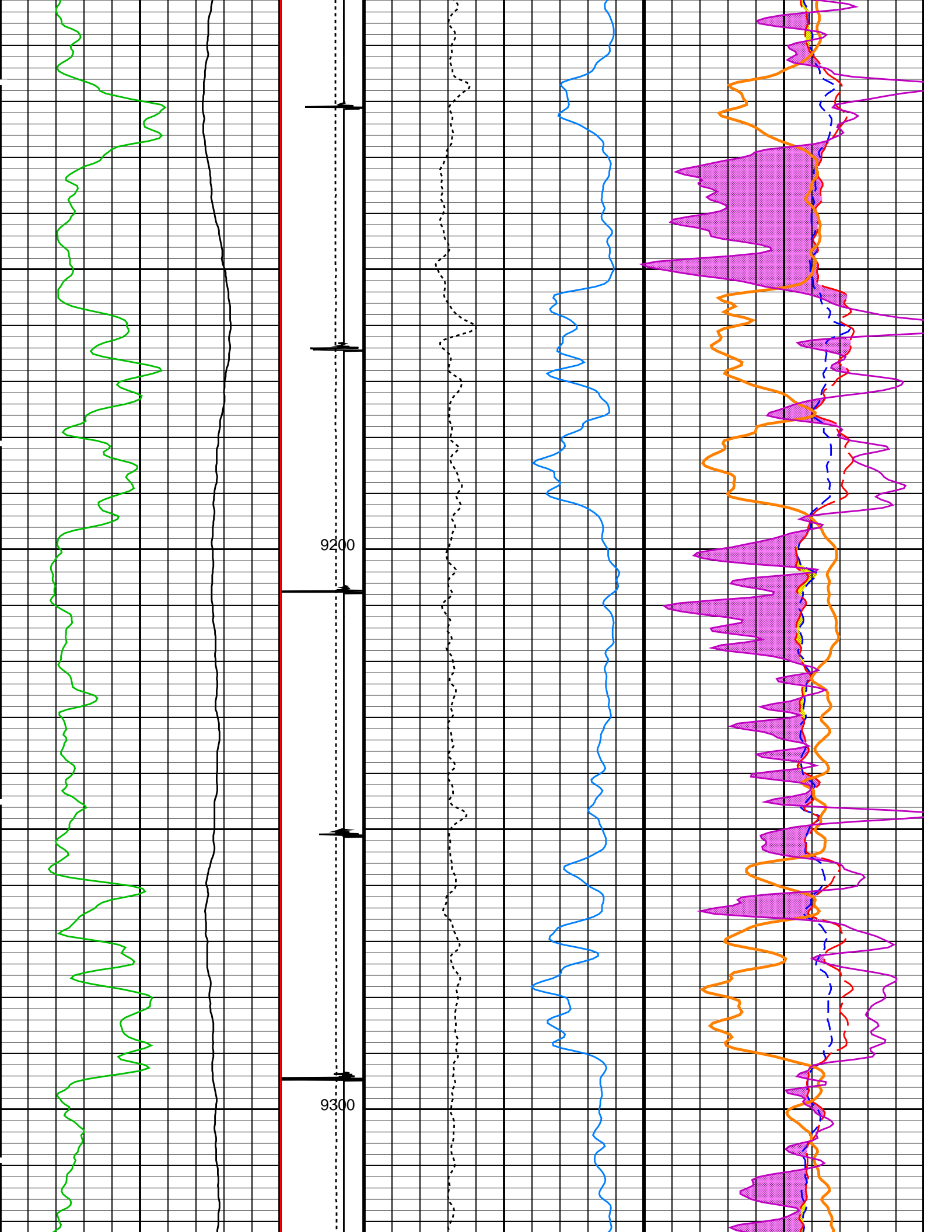


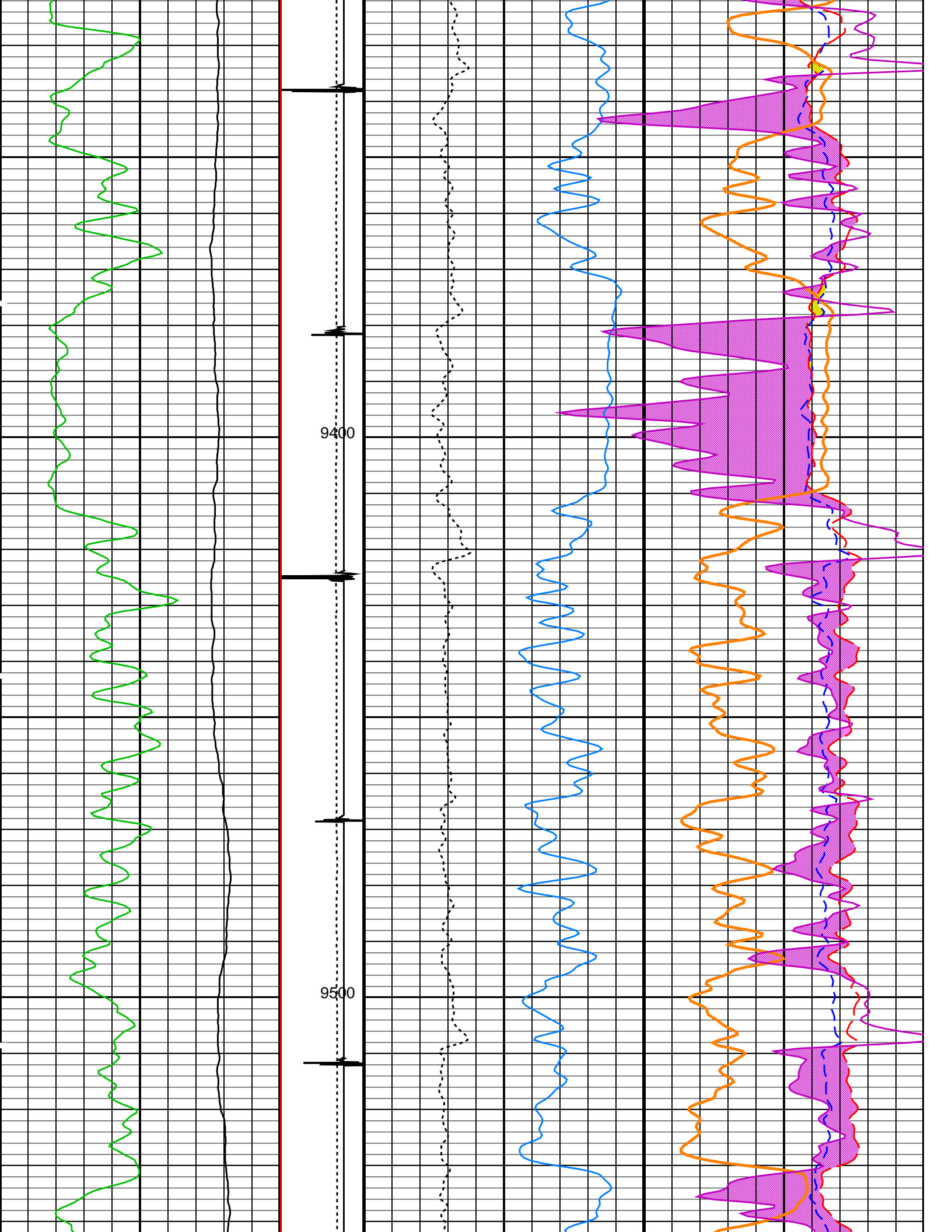


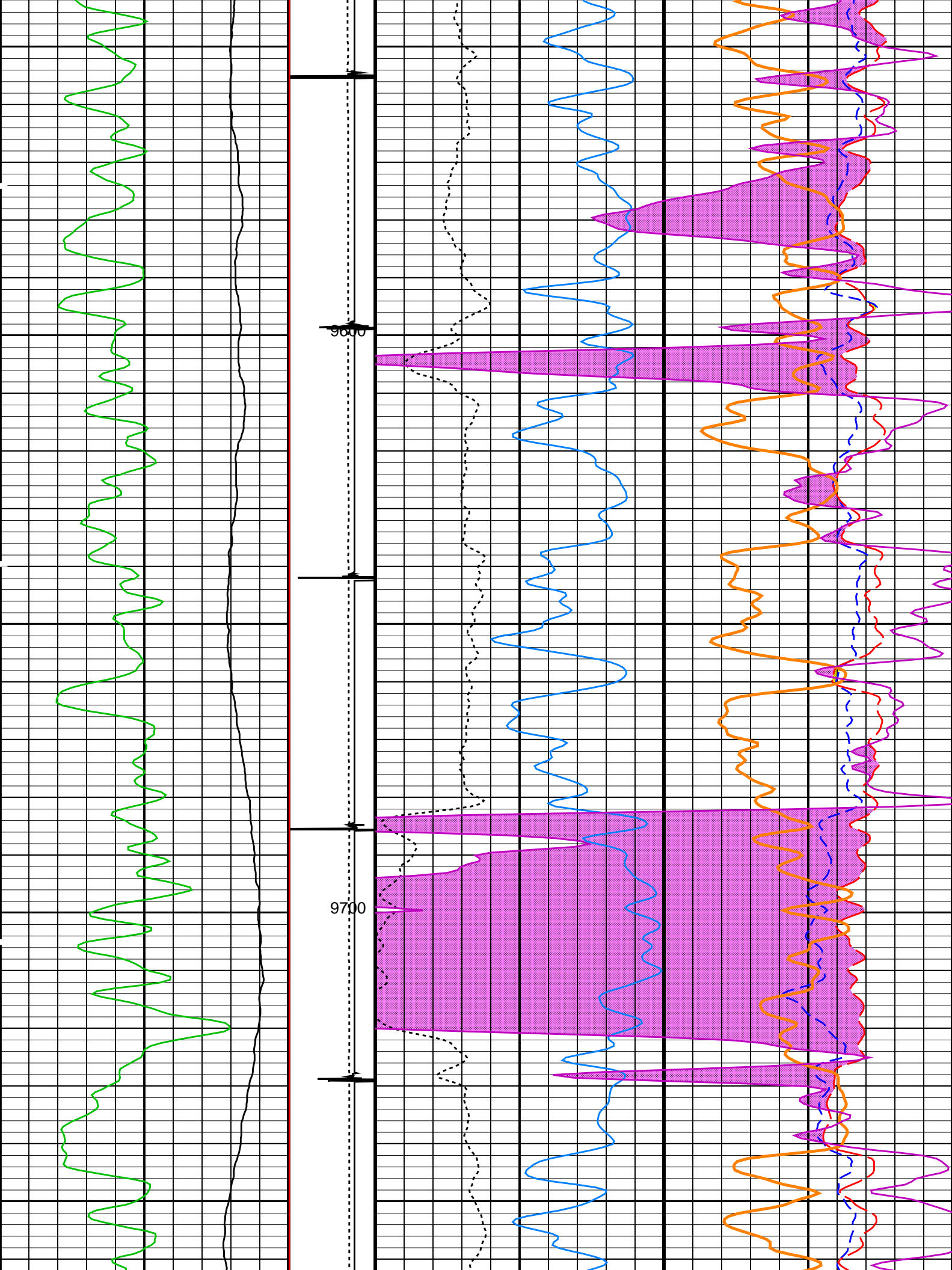


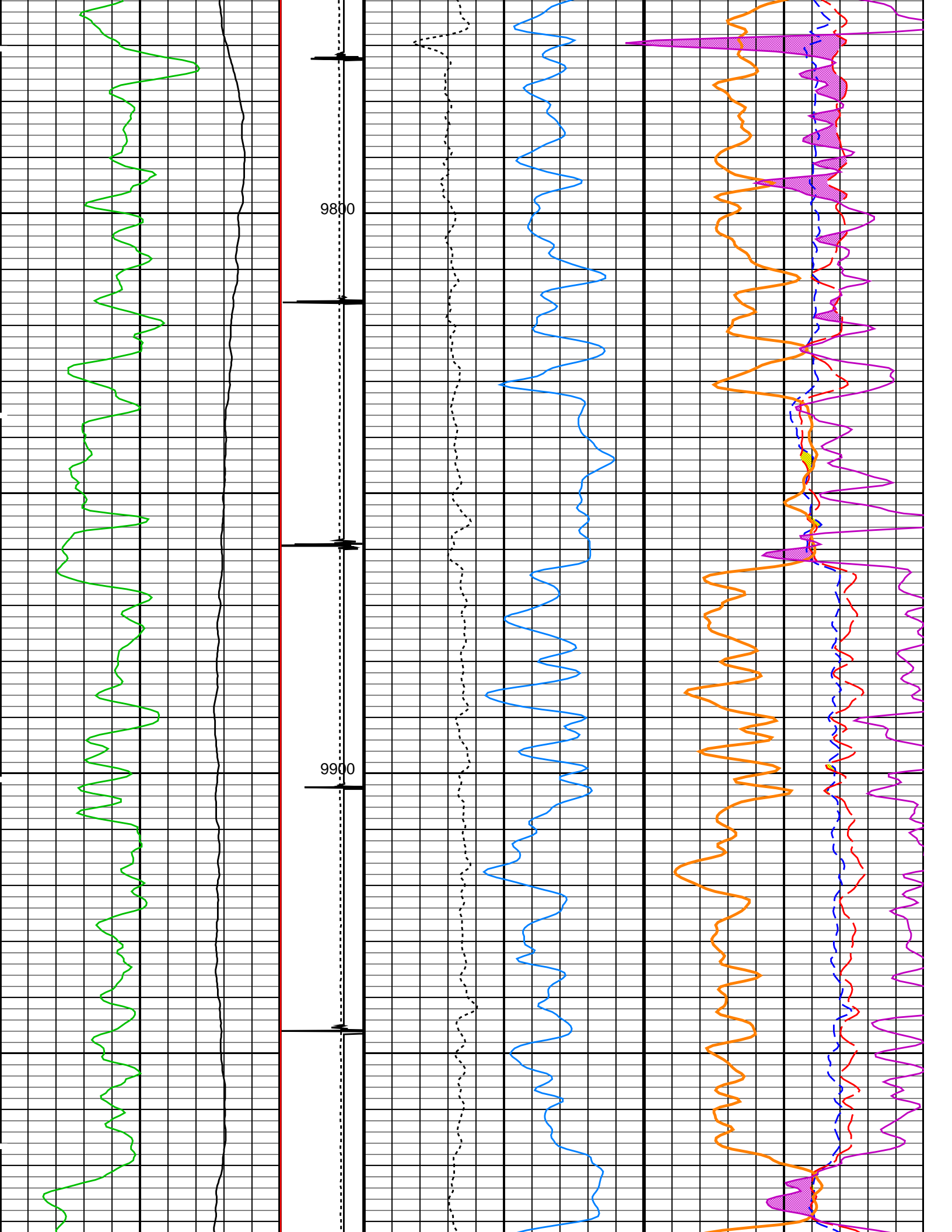


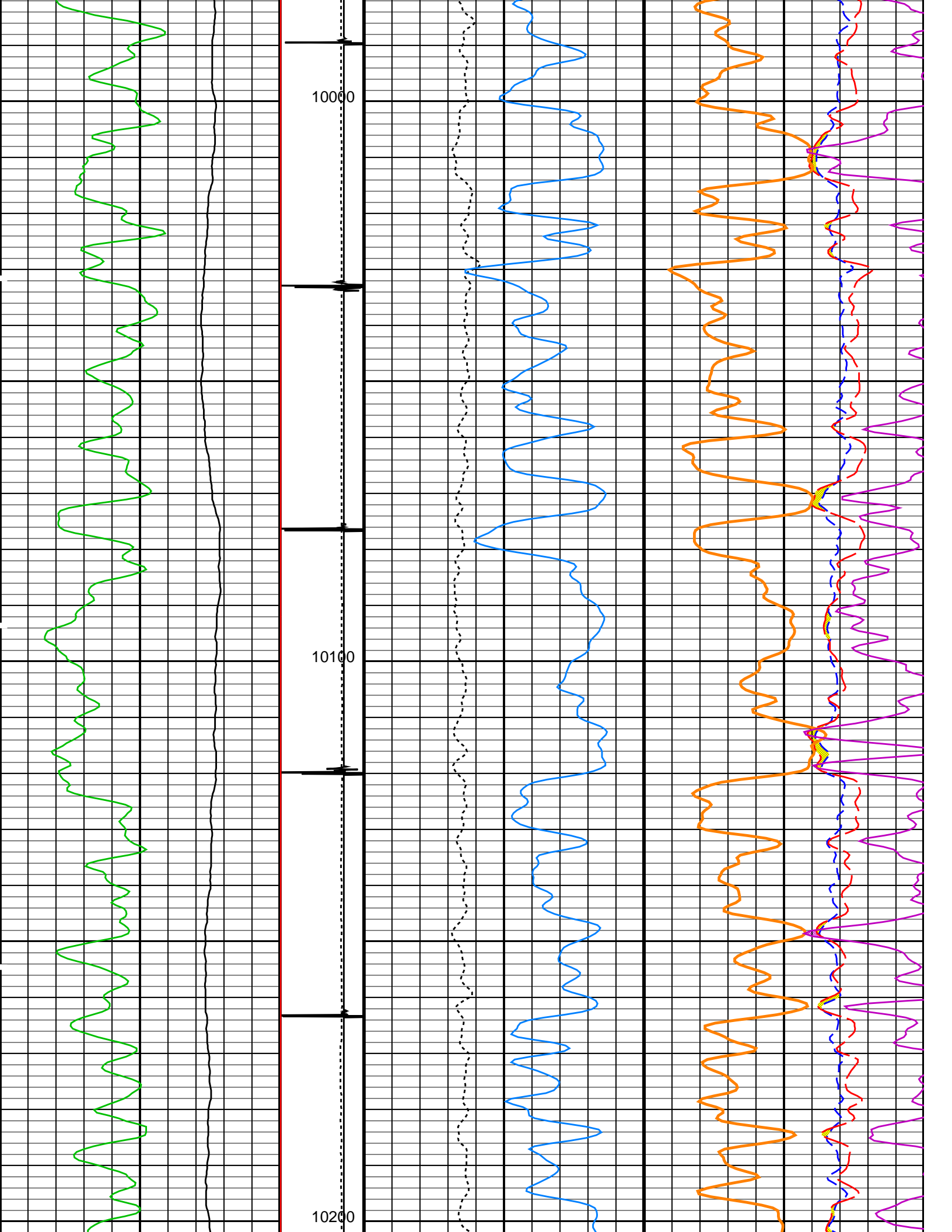


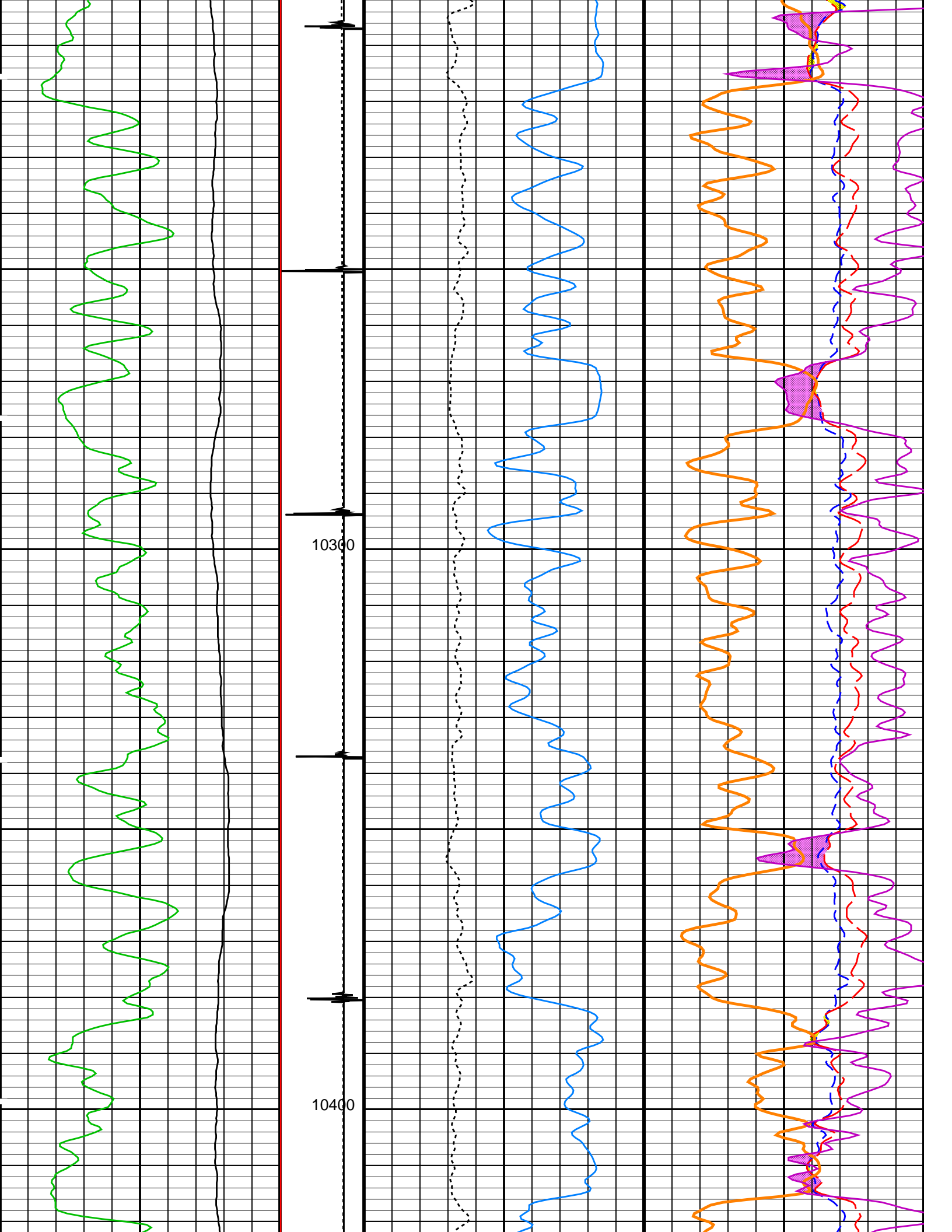




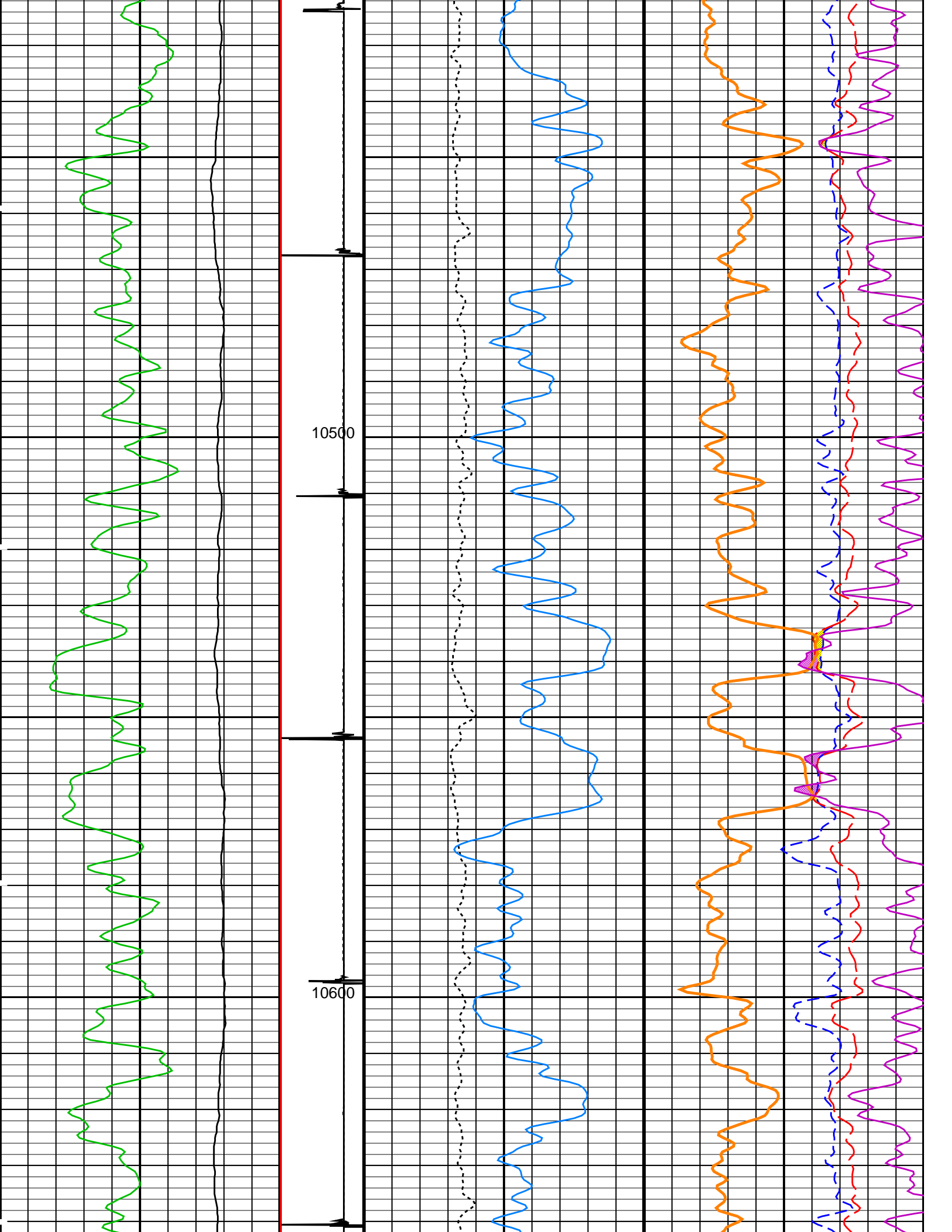




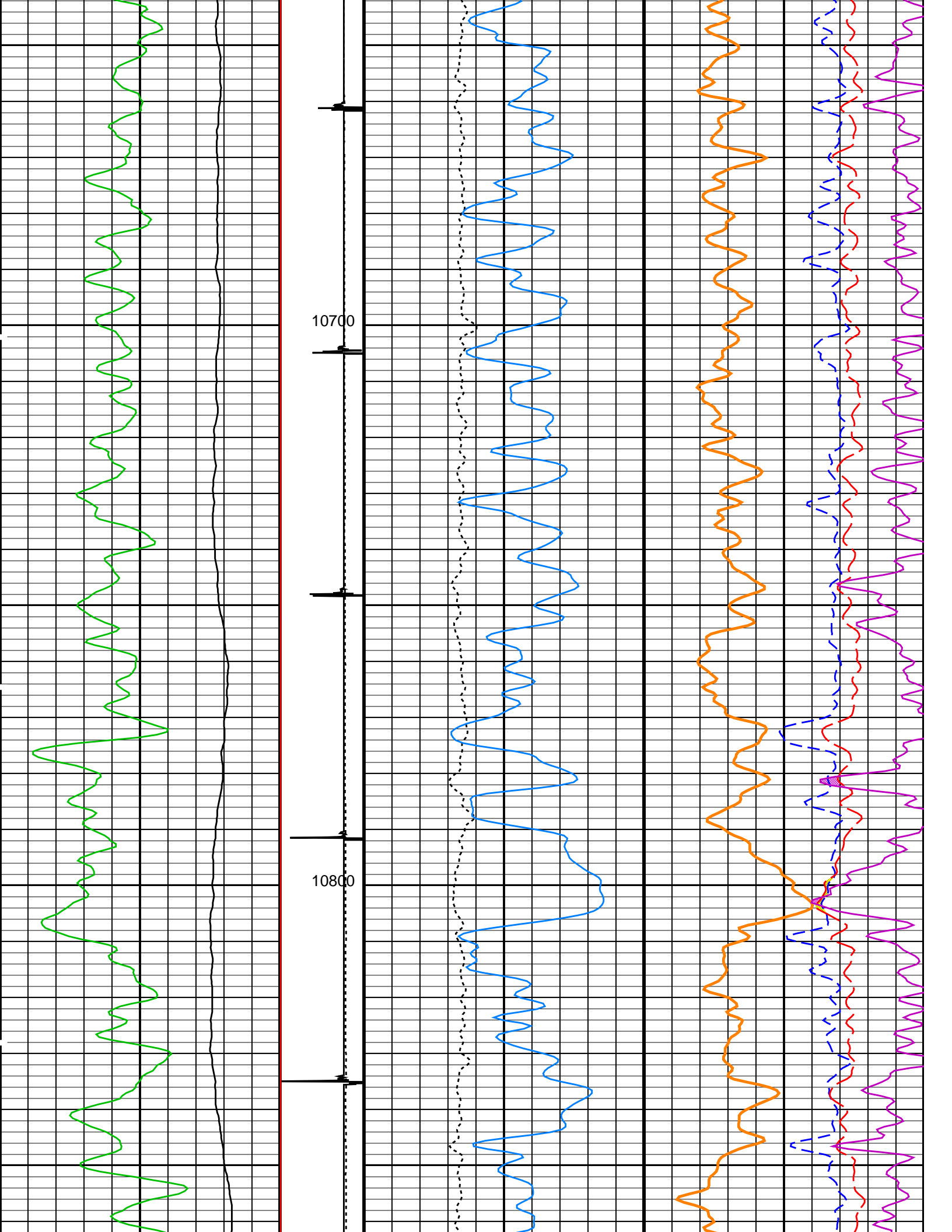


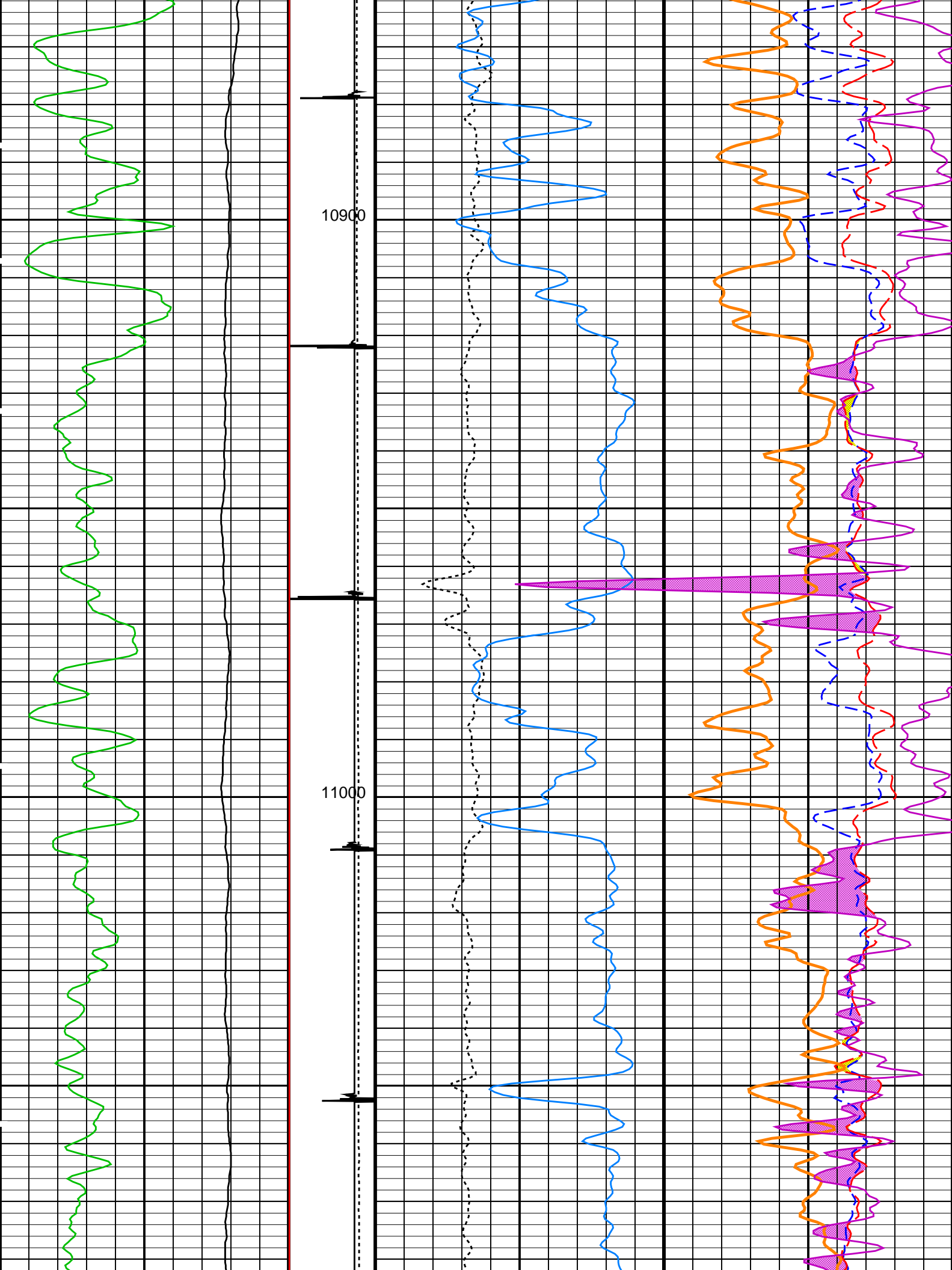


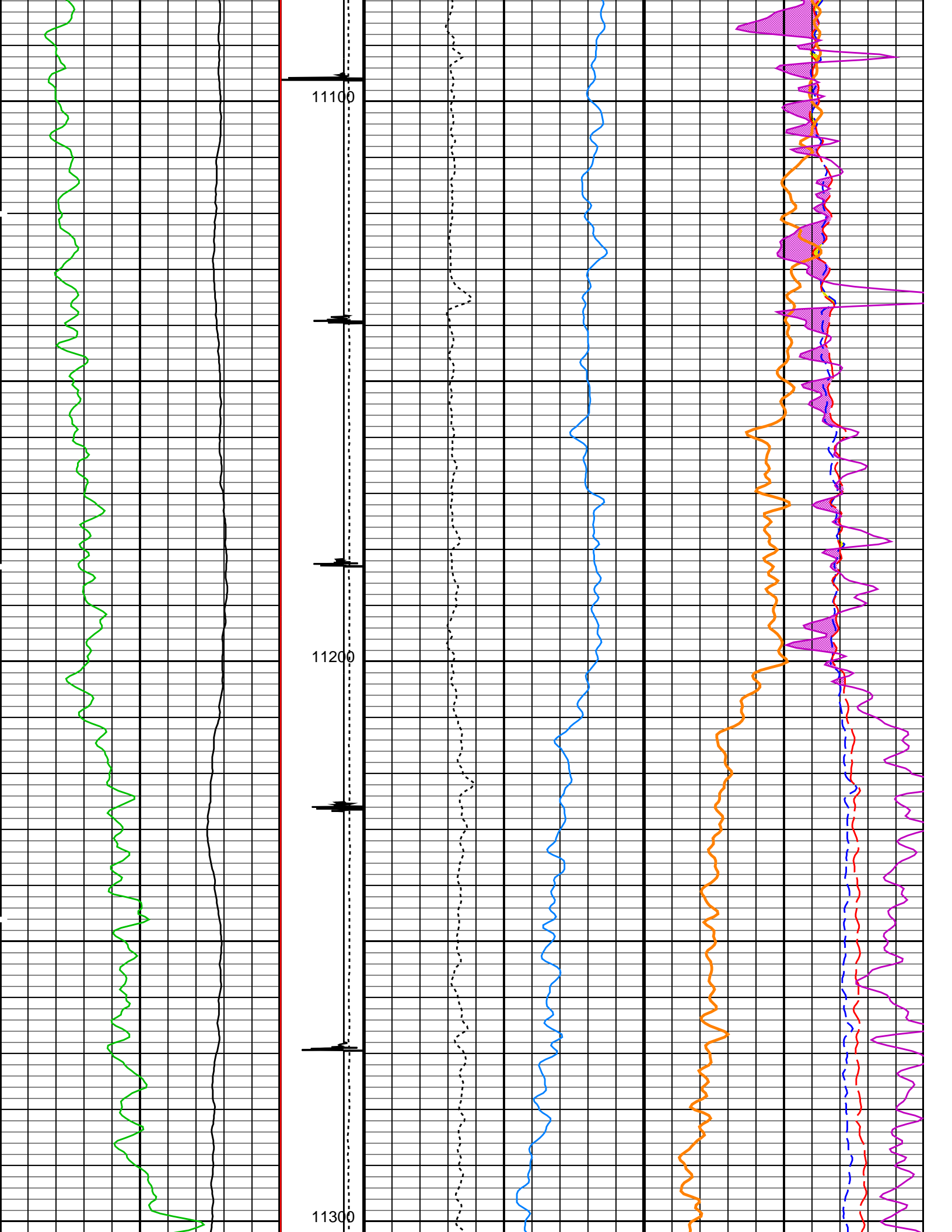


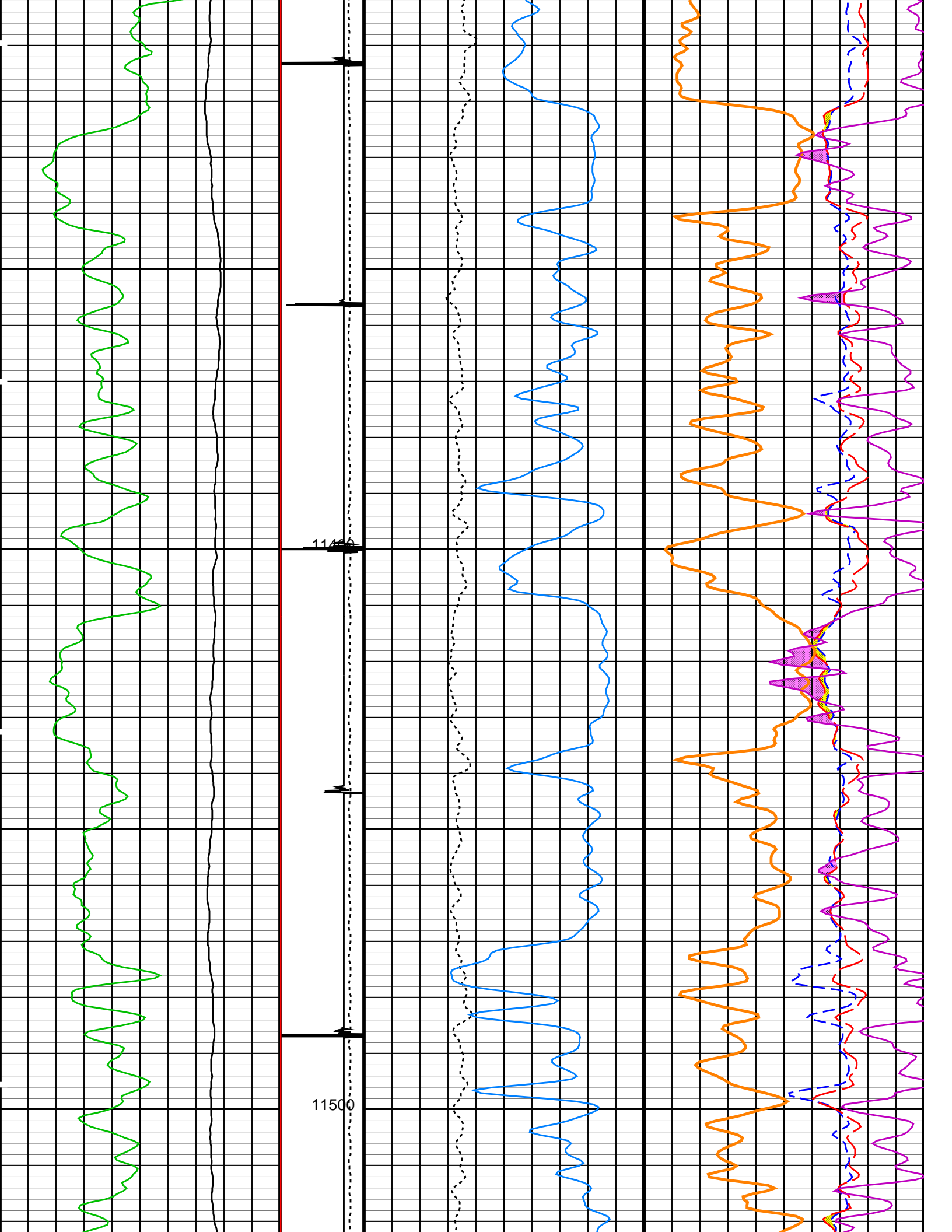


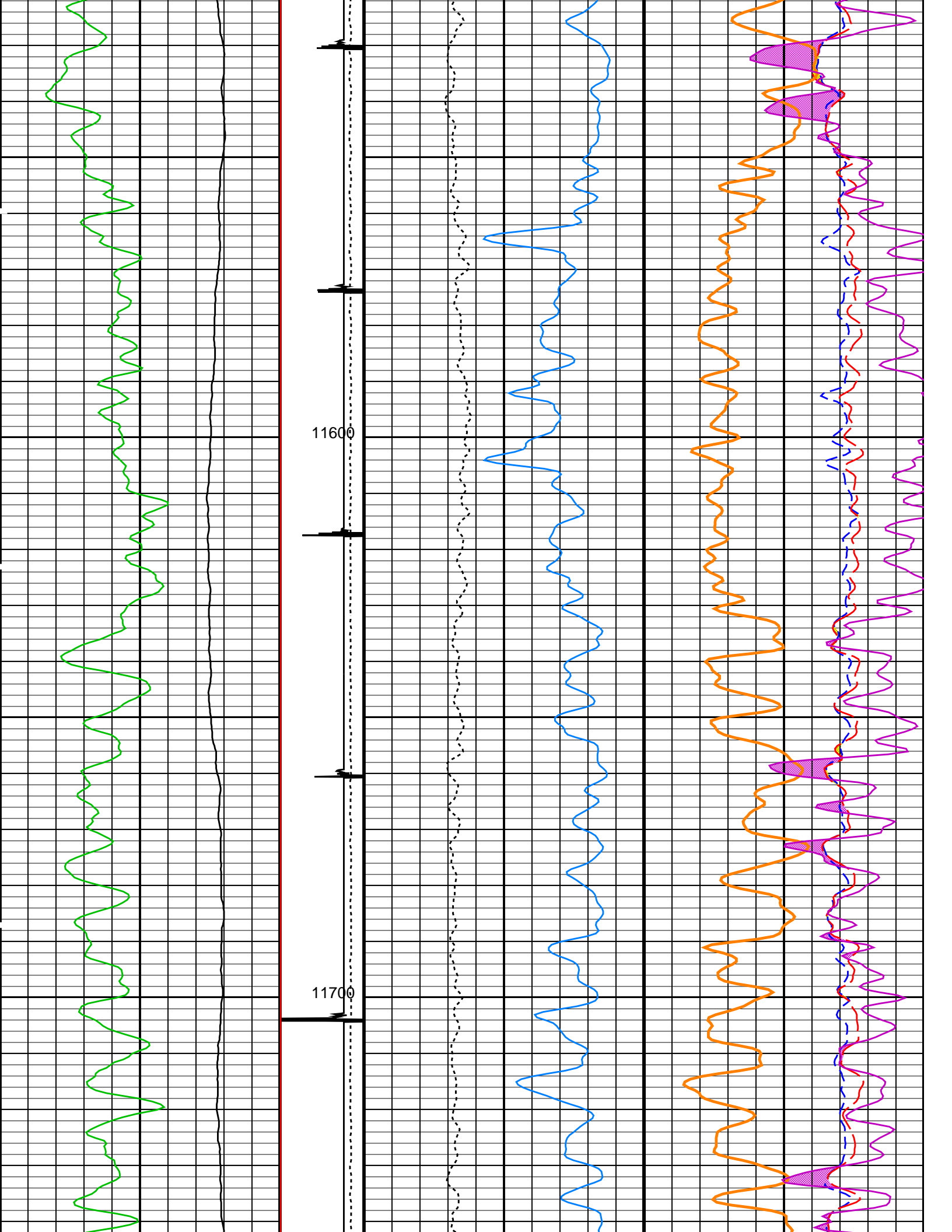


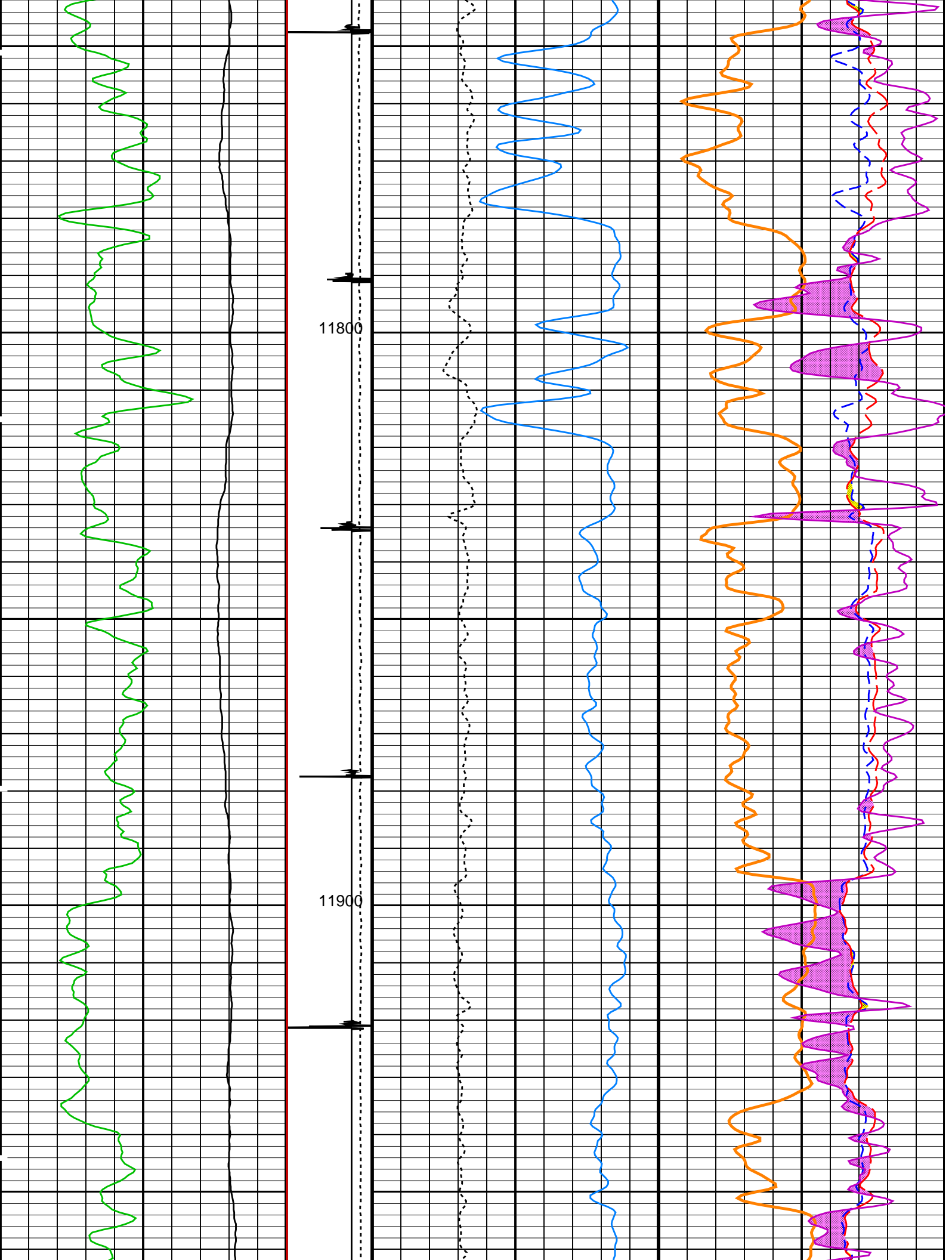


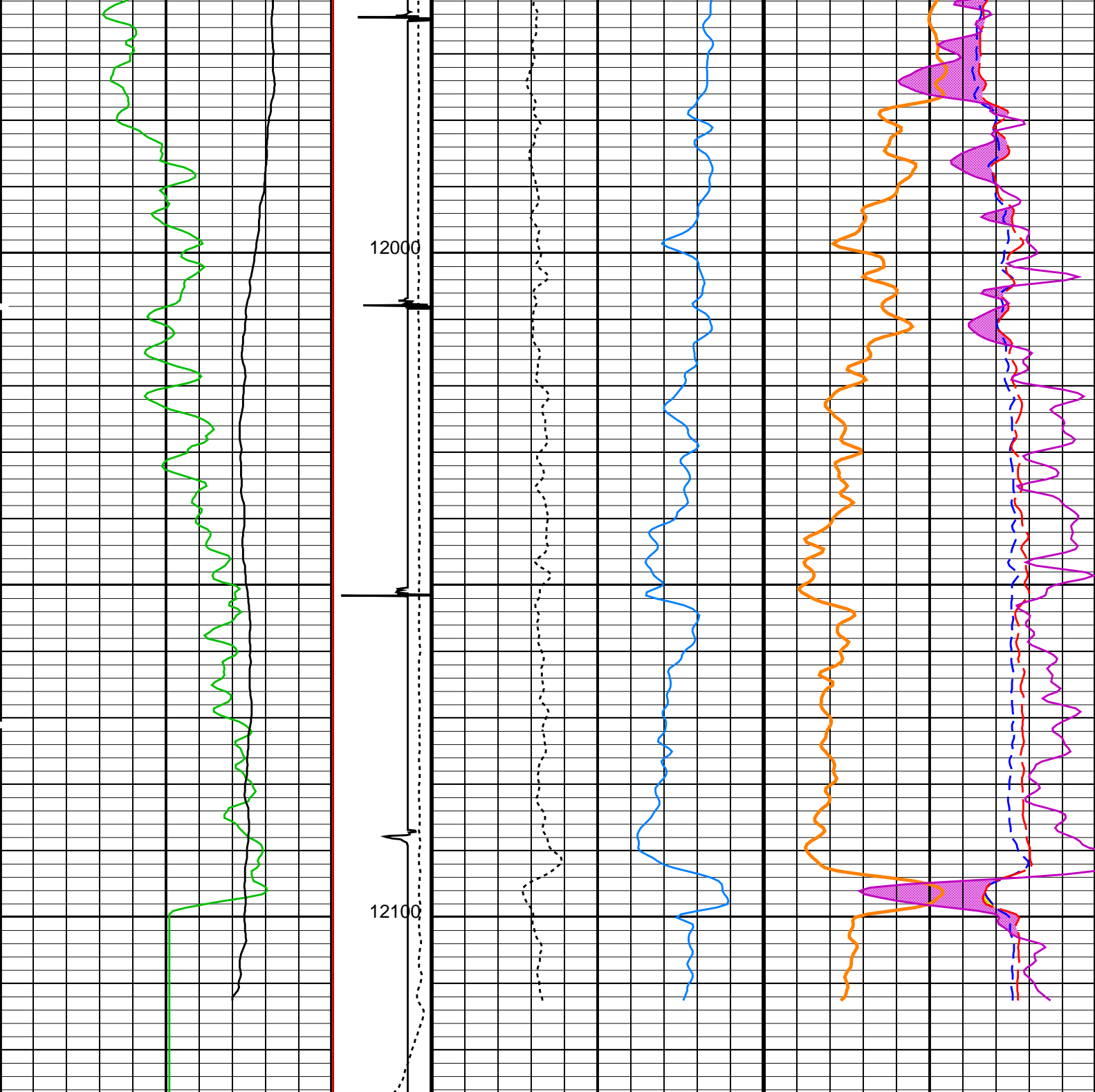












Gamma Ray (GR) (GAPI)		Tension (TENS) (LBF)	RST Inelastic Ratio (IRAT_FIL) (----	RST Capture to Inelastic Ratio Near (CIRN_FIL) (----
0	150	0 2000	0.75	0 2.5 0
RST Borehole Salinity (BSAL) (PPK)		Discriminat ed CCL (CCLD)	RST Sigma (SIGM) (CU)	
450	-50	3 (V) -1	60	0
Minitron Arc Detection (MARC)		RST Porosity (TPHI) (V/V)	RST Capture to Inelastic Ratio Far (CIRF_FIL) (----	
0	5	0.5 0	7	0
RST Weighted Inelastic Ratio (WINR_RST) (----				
0.4 0				

## PIP SUMMARY

Time Mark Every 60 S

## Parameters

DLIS Name	Description	Value
RST-C: Reservoir Saturation Pro Tool C		
	Tractor Available in Tool String	NO
AIRB	RST Air Borehole	No
BHS	Borehole Status	CASED
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
BSALOPT	RST Borehole Salinity Option	Unknown
BSFL	RST Borehole Salinity Filter Length	51
CSID	Casing Size I.D.	4 IN
DFPC	RST Depth Filter Processing Constant	One
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
ISSBAR	Barite Mud Switch	NOBARITE
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48
NORM_SIGM_RST	RST Normalized Sigma	30 CU
PTIER	RST Tiered Presentation Selection	0_Customer
PVL_PSNT_PRST	PVL Peak Signal/Noise Threshold	3
RGAI	Near/Far Gain Calibration Ratio	1
SHT	Surface Hole Temperature	68 DEGF
TIER_IC	RST IC Acquisition Mode	0_CO_Yield_and_Spectrolith
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma
WOFSL_PRST	RST WFL-Off Subcycle Length	0
WONSL_PRST	RST WFL-On Subcycle Length	0
WSCOM_PRST	RST Station Log Comment	
HBMS-B: High Temperature PSP Basic Measurement Sonde		
BHS	Borehole Status	CASED
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
CSID	Casing Size I.D.	4 IN
GCSE	Generalized Caliper Selection	BS
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
ISSBAR	Barite Mud Switch	NOBARITE
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
PBPO	PSP Basic Sub Position	2
PCCG	PSP Basic Sub CCL Gain	DB24
PSTP	PSP Telemetry Cartridge position on CAN Bus	1
SHT	Surface Hole Temperature	68 DEGF
System and Miscellaneous		
ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth
BS	Bit Size	8.750 IN
BSAL	Borehole Salinity	-50000.00 PPM
CSIZ	Current Casing Size	4.500 IN
CWEI	Casing Weight	11.60 LB/F
DFD	Drilling Fluid Density	8.60 LB/G
DO	Depth Offset for Playback	2.0 FT
FLEV	Fluid Level	22.00 FT
MST	Mud Sample Temperature	-50000.00 DEGF
PBVSADP	Use alternate depth channel for playback	NO
PP	Playback Processing	RECOMPUTE
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000 OHMM
RW	Resistivity of Connate Water	1.0000 OHMM
TD	Total Depth	12125 FT
TDD	Total Depth - Driller	12178.00 FT
TDL	Total Depth - Logger	12125.00 FT
TWS	Temperature of Connate Water Sample	100.00 DEGF



RST-C	19C0-187	HBMS-B	19C0-187
Input DLIS Files			
DEFAULT	RST_HBMS_052PUP	FN:51 PRODUCER	22-Jul-2012 18:32 12124.5 FT 2781.5 FT
Output DLIS Files			
DEFAULT	RST_HBMS_053PUP	FN:52 PRODUCER	22-Jul-2012 18:42



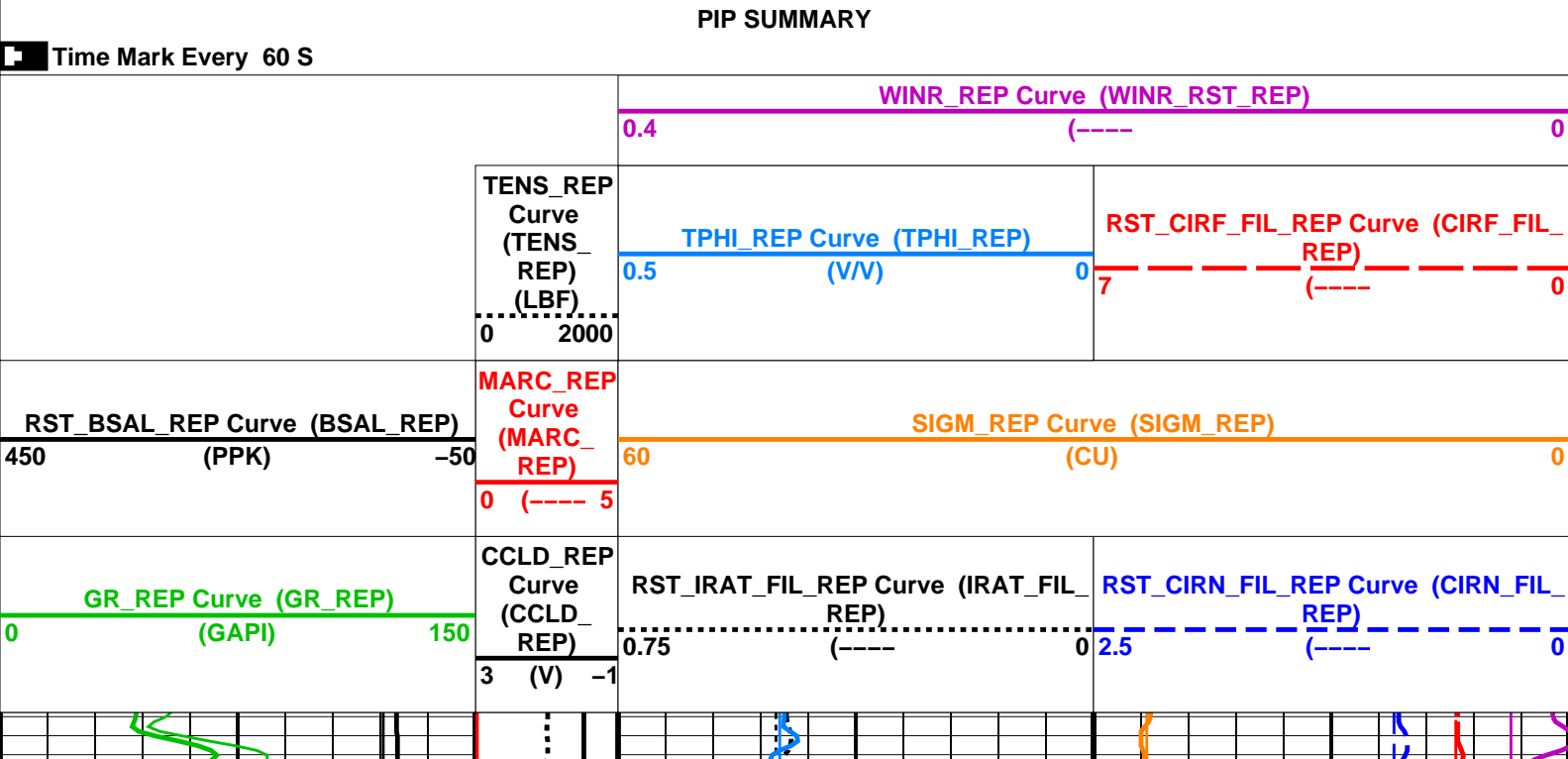
REPEAT PASS RST SIGMA

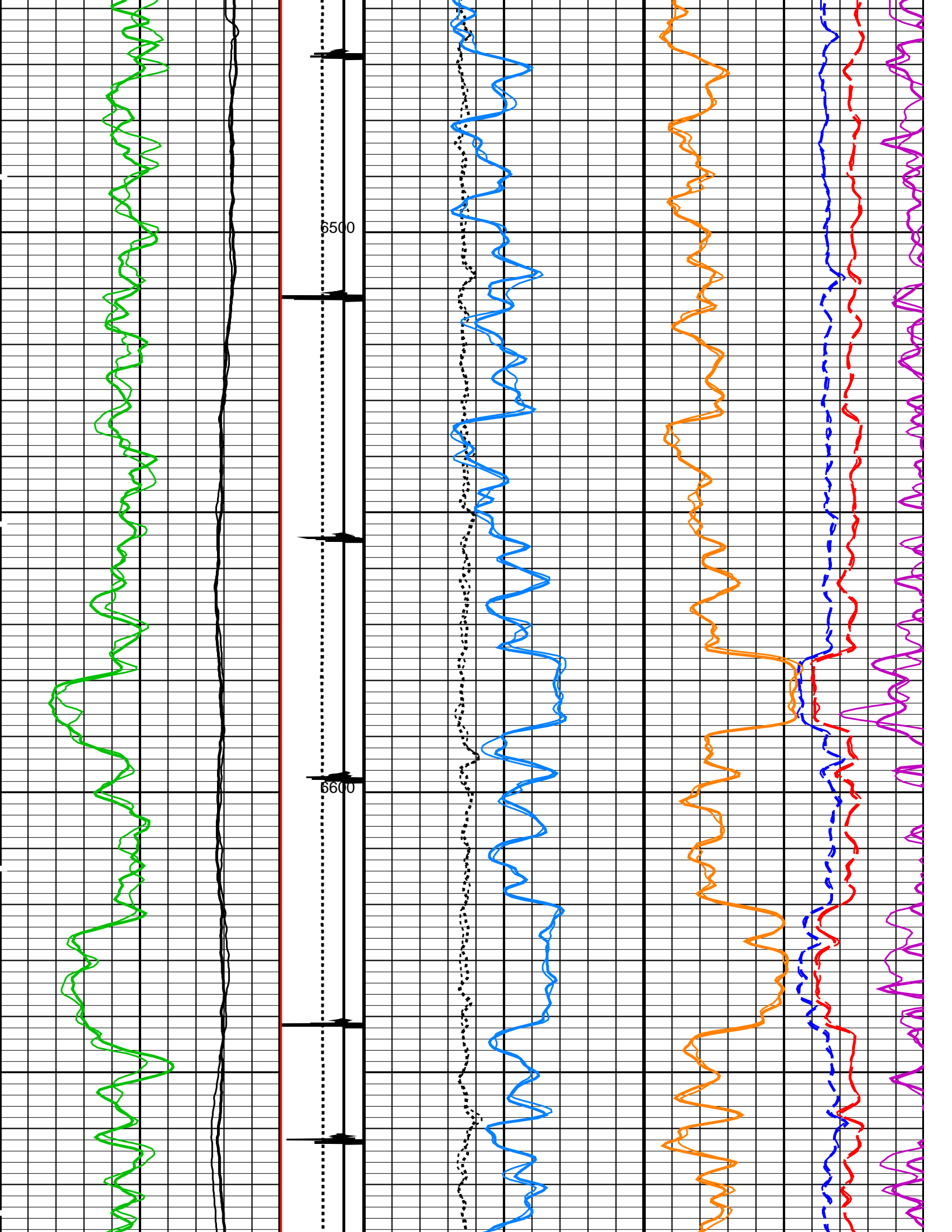
MAXIS Field Log

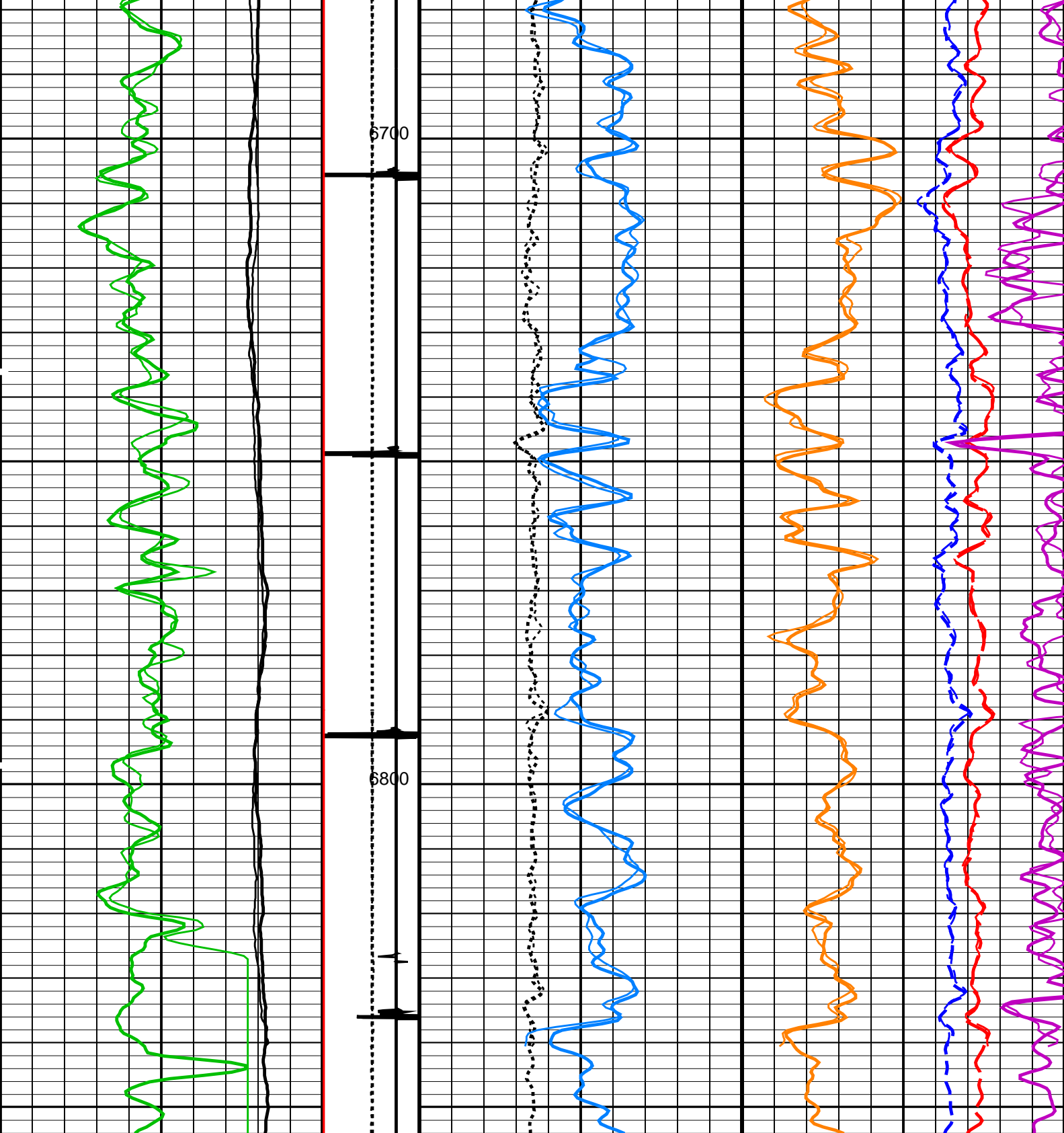
Input DLIS Files					
	RST_HBMS_038PUP	FN:37	16-Jul-2012 20:02	6867.0 FT	6466.0 FT
DEFAULT	RST_HBMS_053PUP	FN:52 PRODUCER	22-Jul-2012 18:42	12126.5 FT	2783.5 FT
Output DLIS Files					
DEFAULT	RST_HBMS_054PUP	FN:53 PRODUCER	22-Jul-2012 18:50	6854.0 FT	6453.0 FT

OP System Version: 19C0-187					
RST-C	19C0-187	HBMS-B	19C0-187		

Changed Parameter Summary			
DLIS Name	New Value	Previous Value	Depth & Time
BS	8.750 IN	8.750 IN	6854.0 18:50:07

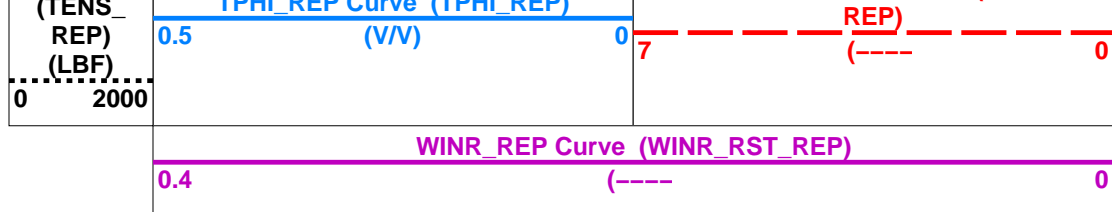






<p>GR_REP Curve (GR_REP) (GAPI)</p> <p>0 150</p>	<p>CCLD_REP Curve (CCLD_REP) (V)</p> <p>3 -1</p>	<p>RST_IRAT_FIL_REP Curve (IRAT_FIL_REP) (----)</p> <p>0.75 0</p>	<p>RST_CIRN_FIL_REP Curve (CIRN_FIL_REP) (----)</p> <p>2.5 0</p>
<p>RST_BSAL_REP Curve (BSAL_REP) (PPK)</p> <p>450 -50</p>	<p>MARC_REP Curve (MARC_REP) (----)</p> <p>0 5</p>	<p>SIGM_REP Curve (SIGM_REP) (CU)</p> <p>60 0</p>	<p>RST_CIRF_FIL_REP Curve (CIRF_FIL_REP) (----)</p> <p>0 0</p>

	<p>TENS_REP Curve (TENS_REP) (----)</p> <p>0 0</p>	<p>TENS_FIL Curve (TENS_FIL) (----)</p> <p>0 0</p>	<p>RST_CIRF_FIL_REP Curve (CIRF_FIL_REP) (----)</p> <p>0 0</p>
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# PIP SUMMARY

Time Mark Every 60 S

## Parameters

DLIS Name	Description	Value	
RST-C: Reservoir Saturation Pro Tool C			
AIRB	Tractor Available in Tool String	NO	
BHS	RST Air Borehole	No	
BHT	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSALOPT	RST Borehole Salinity Option	Unknown	
BSFL	RST Borehole Salinity Filter Length	51	
CSID	Casing Size I.D.	4	IN
DFPC	RST Depth Filter Processing Constant	One	
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48	
NORM_SIGM_RST	RST Normalized Sigma	30	CU
PTIER	RST Tiered Presentation Selection	0_Customer	
PVL_PSNT_PRST	PVL Peak Signal/Noise Threshold	3	
RGAI	Near/Far Gain Calibration Ratio	1	
SHT	Surface Hole Temperature	68	DEGF
TIER_IC	RST IC Acquisition Mode	0_CO_Yield_and_Spectrolith	
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma	
WOFSL_PRST	RST WFL-Off Subcycle Length	0	
WONSL_PRST	RST WFL-On Subcycle Length	0	
WSCOM_PRST	RST Station Log Comment		
HBMS-B: High Temperature PSP Basic Measurement Sonde			
BHS	Borehole Status	CASED	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CSID	Casing Size I.D.	4	IN
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
PBPO	PSP Basic Sub Position	2	
PCCG	PSP Basic Sub CCL Gain	DB24	
PSTP	PSP Telemetry Cartridge position on CAN Bus	1	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	8.750	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	4.500	IN
CWEI	Casing Weight	11.60	LB/F
DFD	Drilling Fluid Density	8.60	LB/G
DO	Depth Offset for Playback	-13.0	FT
DORL	Depth Offset for Repeat Analysis	0.0	FT
FLEV	Fluid Level	22.00	FT
MST	Mud Sample Temperature	-50000.00	DEGF
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	12125	FT
TDD	Total Depth - Driller	12178.00	FT
TDL	Total Depth - Logger	12125.00	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: RST\_SIGMA\_S5\_REP

Vertical Scale: 5" per 100'

Graphics File Created: 22-Jul-2012 18:50

RST-C	19C0-187	HBMS-B	19C0-187
Input DLIS Files			
	RST_HBMS_038PUP	FN:37	16-Jul-2012 20:02 6867.0 FT 6466.0 FT
DEFAULT	RST_HBMS_053PUP	FN:52 PRODUCER	22-Jul-2012 18:42 12126.5 FT 2783.5 FT
Output DLIS Files			
DEFAULT	RST_HBMS_054PUP	FN:53 PRODUCER	22-Jul-2012 18:50



PBMS COEFFICIENTS

MAXIS Field Log

Client:	ENCANA OIL & GAS (USA) INC.	Tool:	PSP
Field:	Story Gulch	Sub Type:	PBMS
Well:	SG 8514B-22 (N22496)	Sensor:	GR
Run date:	12-Jul-2012		

PBMS Gamma Ray  
Sonde Serial NB RESISTORS FOR GR SENSOR N.34384,TOOL HBMS-BA2880. SENSOR S/N:  
Sensor Serial NB 34384  
Calib Date ddmmyy 160206  
Matrix Size 12  
Coeff CRC D8B5

GR HV Rt		
	Rt**0	Rt**1
Rt**0	+.200000000000e+04	+.173000000000e+04

Client:	ENCANA OIL & GAS (USA) INC.	Tool:	PSP
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Client:ENCANA OIL & GAS (USA) INC.

Field:Story Gulch

Well:SG 8514B-22 (N22496)

Run date:12-Jul-2012

Tool:PBMS

Sub Type:PBMS

Sensor:WellTemp RTD

PBMS RTD Well Thermometer

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR RTD THERMOMETER PBMS-B.2880 S/N:

2880

260408

16

A3AF

WTemp Coeff

	Tt**0	Tt**1	Tt**2
Tt**0	-.104337336008E+04	+.798824971753E+03	-.251944021281E+03
	Tt**3	Tt**4	Tt**5
Tt**0	+.406192777109E+02	-.240958437264E+01	0.0

Client:ENCANA OIL & GAS (USA) INC.

Field:Story Gulch

Well:SG 8514B-22 (N22496)

Run date:12-Jul-2012

Tool:PSP

Sub Type:PBMS

Sensor:CQG

PBMS Quartz Gauge type F

Sonde Serial NB

Sensor Serial NB

Calib Date ddmmyy

Matrix Size

Coeff CRC

COEFFICIENTS FOR CQG PBMS-B.2880 S/N:

2880

260408

66

66B8

Pres Coeff

	Fb**0	Fb**1	Fb**2
Fc**0	+.694668499013E+04	+.138137467574E-01	-.206148488488E-06
Fc**1	-.104285125976E+01	-.125721589078E-04	-.971577899959E-10
Fc**2	+.101045175546E-05	+.480801816357E-10	+.889110474366E-15
Fc**3	+.127326781620E-11	+.130693902354E-15	0.0

Fc**4	0.0	0.0	0.0
Fc**5	0.0	0.0	0.0
	Fb**3	Fb**4	Fb**5
Fc**0	−.802395356069E−10	−.148392899370E−14	−.162952476494E−19
Fc**1	+.114970383999E−15	+.186330526680E−19	0.0
Fc**2	0.0	0.0	0.0
Fc**3	0.0	0.0	0.0
Fc**4	0.0	0.0	0.0
Fc**5	0.0	0.0	0.0

#### PBMS Quartz Gauge type F

Sonde Serial NB :  
 Sensor Serial NB 2880  
 Calib Date ddmmyy 260408  
 Matrix Size 66  
 Coeff CRC 3690

#### Temp Coeff

	Fc**0	Fc**1	Fc**2
Fb**0	+.114978632240E+03	−.318843725686E−03	+.651766172344E−08
Fb**1	−.590205352250E−02	+.168686572404E−07	+.162345150354E−12
Fb**2	−.362996279263E−07	+.407654559315E−12	+.452411391342E−17
Fb**3	−.276281361281E−12	+.871817059405E−17	0.0
Fb**4	0.0	0.0	0.0
Fb**5	0.0	0.0	0.0
	Fc**3	Fc**4	Fc**5
Fb**0	+.199118144093E−13	−.260997933236E−18	+.618908211390E−21
Fb**1	+.250084591851E−17	+.455070709200E−21	0.0
Fb**2	0.0	0.0	0.0
Fb**3	0.0	0.0	0.0
Fb**4	0.0	0.0	0.0
Fb**5	0.0	0.0	0.0

#### PBMS Quartz Gauge type F

Sonde Serial NB :  
 Sensor Serial NB 2880  
 Calib Date ddmmyy 260408  
 Matrix Size 16

Coeff CRC

71B5

## Clock Freq Coeff

	$(Fb'-Fc')^{**0}$	$(Fb'-Fc')^{**1}$	$(Fb'-Fc')^{**2}$
$(Fb'-Fc')^{**0}$	+310736316923E+05	+273670214709E-02	+731815197856E-06
	$(Fb'-Fc')^{**3}$	$(Fb'-Fc')^{**4}$	$(Fb'-Fc')^{**5}$
$(Fb'-Fc')^{**0}$	-.654219198492E-10	-.150585137208E-15	-.117697151708E-19

## PBMS Quartz Gauge type F

Sonde Serial NB :  
Sensor Serial NB 2880  
Calib Date ddmmyy 260408  
Matrix Size 16  
Coeff CRC ECB5

## Clock Temp Coeff

	$(Fb'-Fc')^{**0}$	$(Fb'-Fc')^{**1}$	$(Fb'-Fc')^{**2}$
$(Fb'-Fc')^{**0}$	+116053417872E+03	-.554118045908E-02	-.348241454518E-07
	$(Fb'-Fc')^{**3}$	$(Fb'-Fc')^{**4}$	$(Fb'-Fc')^{**5}$
$(Fb'-Fc')^{**0}$	+207992675474E-12	-.353168788938E-17	-.345142848607E-21

Company: **ENCANA OIL & GAS (USA) INC.****Schlumberger**

Well: **SG 8514A-22 (N22496)**  
Field: **Story Gulch**  
County: **Garfield**  
State: **Colorado**

RESERVOIR SATURATION TOOL  
SIGMA MODE  
GAMMA RAY - CCL