




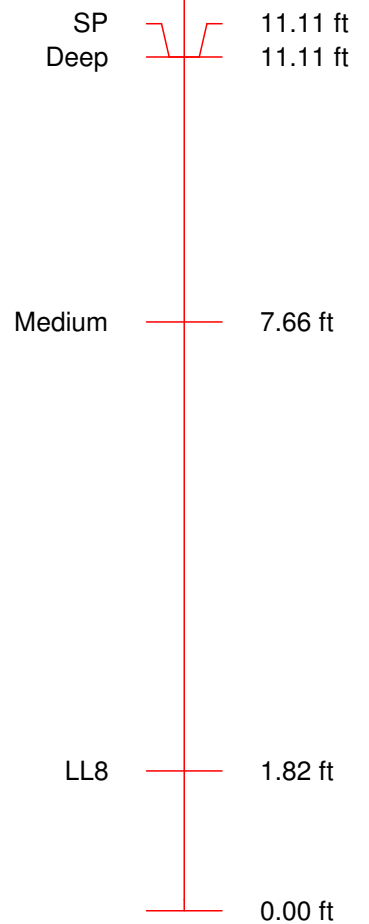


<div><div><div>PIONEER</div><div></div></div><div><div>DUAL INDUCTION</div><div>FOCUSED LOG</div><div>COMPENSATED NEUTRON</div><div>GAMMA RAY LOG</div></div></div>		<div>COMPANY: EXTRACTION OIL &amp; GAS LLC</div> <div>WELL: WIND 6</div> <div>FIELD: WATTENBERG</div> <div>COUNTY: WELD</div> <div>STATE: CO.</div>		<div>Location</div> <div>1686'FSL &amp; 240'FWL NWSW</div> <div>SEC 31 T5N R67W</div> <div>API# 05 123 40459</div> <div>Other Services</div> <div>NONE</div>		<div>Permanent Datum: GL</div> <div>Elevation: 4927 FT</div> <div>Log Meas. From: KB</div> <div>, 20 FT ABOVE PERM. DATUM</div> <div>Drill. Meas. From: KB</div> <div>Elevations</div> <div>K.B.: 4947 FT</div> <div>D.F.: 4946 FT</div> <div>G.L.: 4927 FT</div>		<div>Date</div> <div>JUNE 29 2015</div>		<div>Run Number</div> <div>1</div>		<div>Depth Driller</div> <div>11741 FT</div>		<div>Depth Logger</div> <div>6508 FT</div>		<div>Bottom Logged Interval</div> <div>6508 FT</div>		<div>Top Logged Interval</div> <div>1532 FT</div>		<div>Casing Driller</div> <div>9.625 IN. @ 1522 FT</div>		<div>Casing Logger</div> <div>1532 FT</div>		<div>Bit Size</div> <div>8.75 IN.</div>		<div>Type Fluid in Hole</div> <div>OIL BASE MUD</div>		<div>Density / Viscosity</div> <div>9.41 #/GAL</div> <div>43 S</div>		<div>pH / Water Loss</div> <div>N/A</div> <div>N/A CC</div>		<div>Source of Sample</div> <div>BOREHOLE</div>		<div>Rm @ Meas. Temp.</div> <div>N/A Ohm-m @ 72 F</div>		<div>Rmf @ Meas. Temp.</div> <div>N/A Ohm-m @ 72 F</div>		<div>Rmc @ Meas. Temp.</div> <div>N/A Ohm-m @ 72 F</div>		<div>Source Rmf/Rmc</div> <div>CALC</div> <div>CALC</div>		<div>Rm at BHT</div> <div>N/A Ohm-m @ 222 F</div>		<div>End Circulation</div> <div>1930 JUNE 28 2015</div>		<div>Logger on Bottom</div> <div>0445 JUNE 29 2015</div>		<div>Max. Recorded Temp.</div> <div>222</div>		<div>Equip. No / Location</div> <div>110 FORT MORGAN</div>		<div>Recorded by</div> <div>S STUMP</div> <div>C CHRISTENSEN</div>		<div>Witnessed by</div> <div>S MACINYRE</div>	
----Fold Here----																																																							
<div>All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services cannot and do not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services will not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents, or employees. These interpretations are also subject to the Pioneer Wireline Services general terms and conditions as set out in our current Price Schedule.</div>																																																							
<div>REMARKS</div> <div>S0 NUMBER 2-014104</div> <div>DUE TO OIL BASE MUD NO FOCUS TOOL!!!!</div> <div>NO REPEAT DONE BECAUSE OF BOREHOLE CONDITIONS, OK PER CUSTOMER</div> <div>THANK YOU FOR USING PIONEER WIRELINE SERVICES.</div>																																																							
EQUIPMENT DATA																																																							
Run		Trip		Instrument				Instrument Type No.				Serial No.				Distance to Reference																																							
				Cable Head								1809CableHead				0.000 ft																																							
				TCMRT				024				1831A				2.690 ft																																							
				Telemetry				021				0930A				7.562 ft																																							
				Compensated Neutro				015				1468A				11.860 ft																																							
				DIL				014				1141A				19.409 ft																																							
				Bull Plug								BP				43.983 ft																																							
Cable Head																								54.90 ft																															
Identifier : 1809CableHead																																																							
Asset Number : None																																																							

Short		28.20 ft
Long		27.85 ft
RLML		27.66 ft
RNML		27.58 ft

DIL

Identifier : 1141A  
Asset Number : 013  
Length : 24.573 ft  
Diameter : 3.6 inch  
Weight : 295.4 lbs  
Measure Point : 1.673 ft : LL8  
Measure Point : 7.513 ft : Medium  
Measure Point : 10.958 ft : Deep  
Measure Point : 10.958 ft : SP



Bull Plug

Identifier : BP  
Asset Number : None  
Length : 0.148 ft

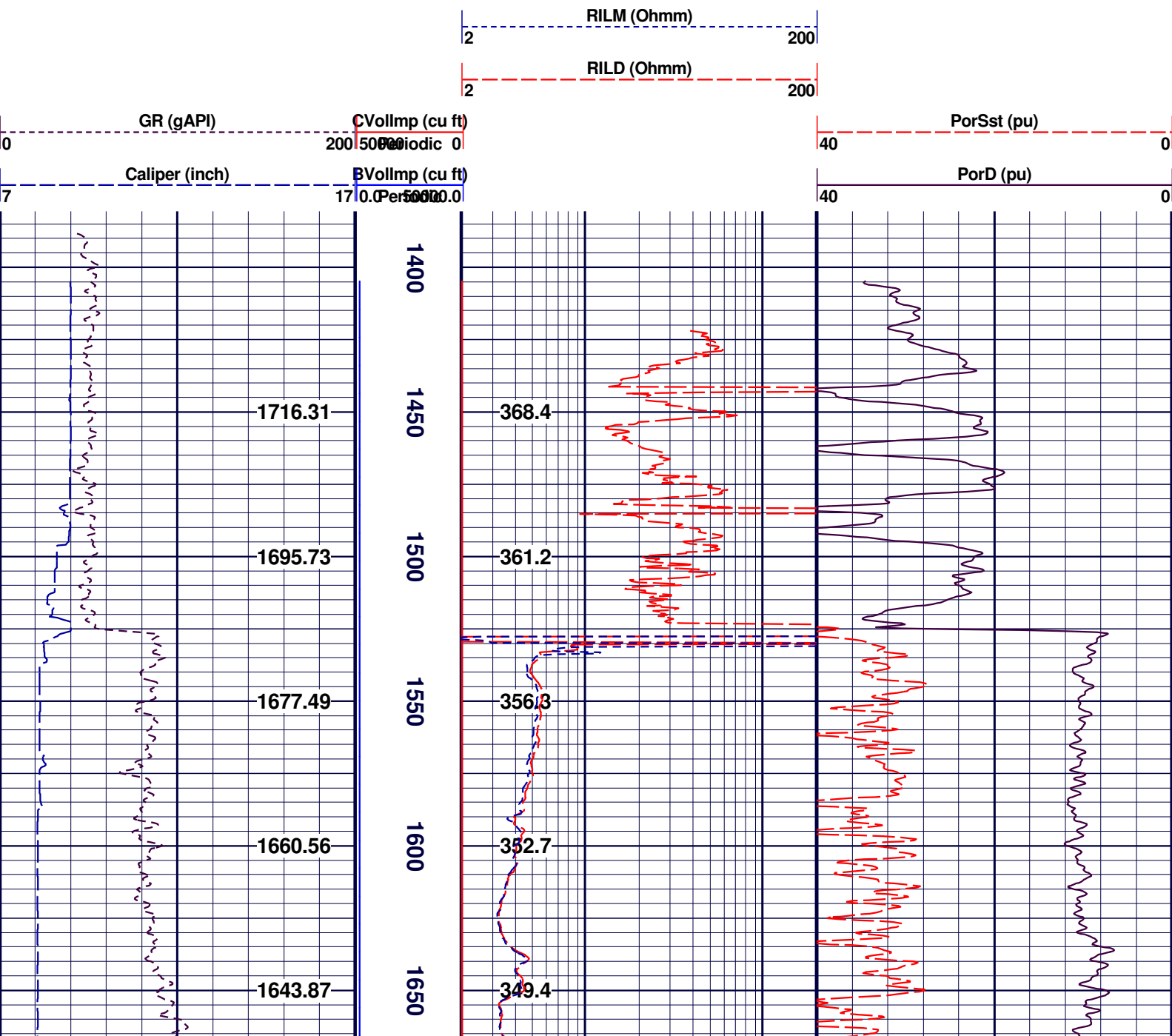
Length : 6.148 ft  
Diameter : 3.4 inch  
Weight : 6.6 lbs

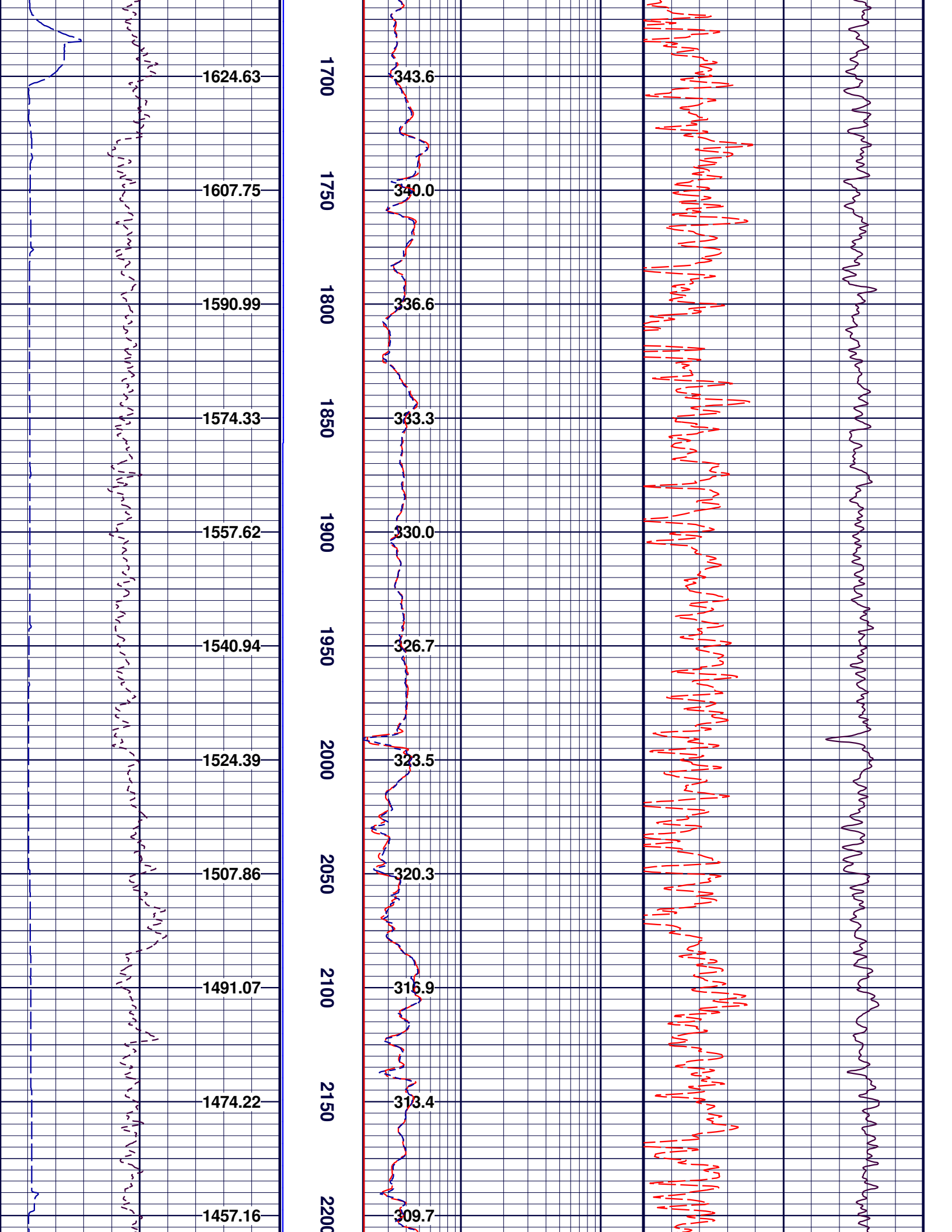
Total Length : 54.90 ft  
Total Weight : 979.06 lbs  
Max Diameter : 4.8 inch

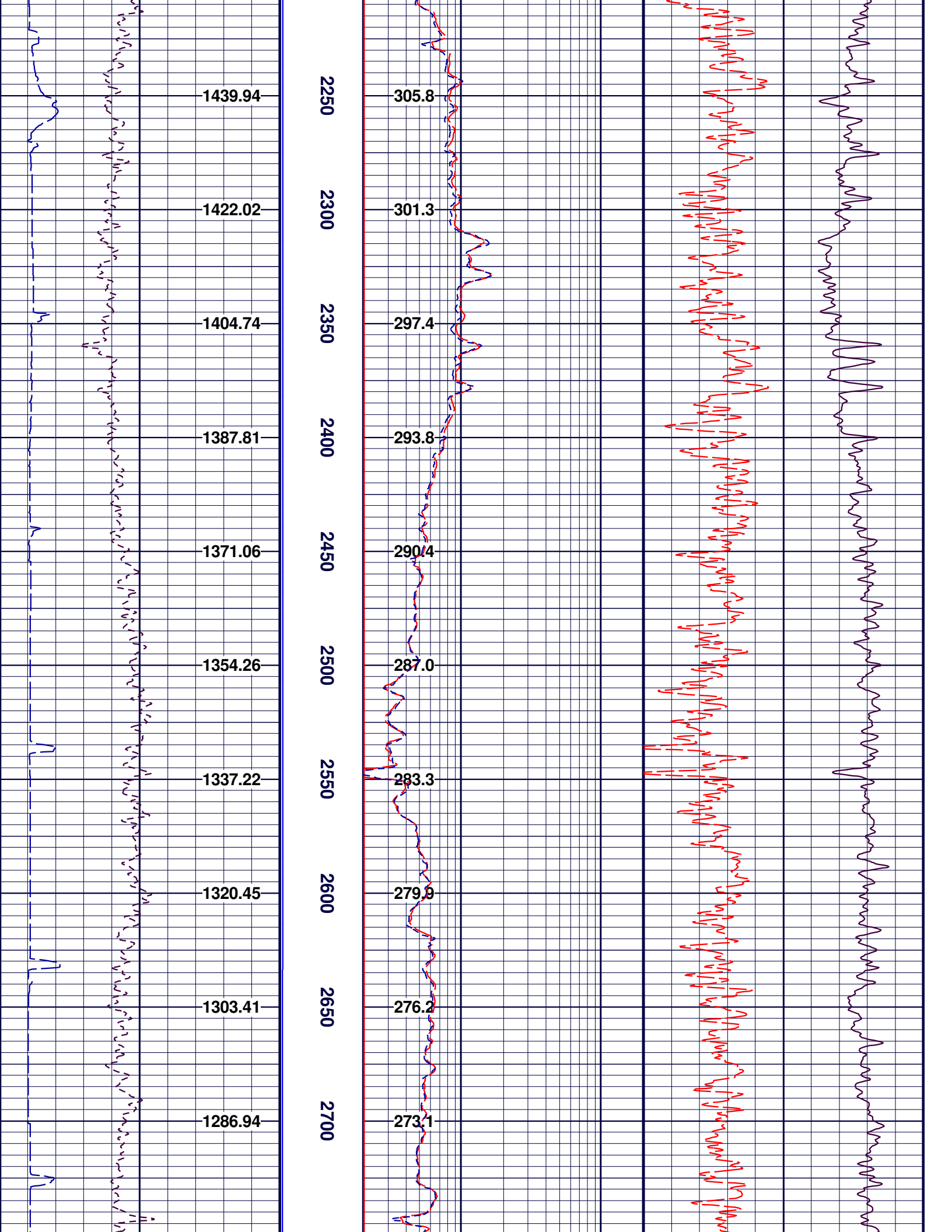
# MAIN PASS

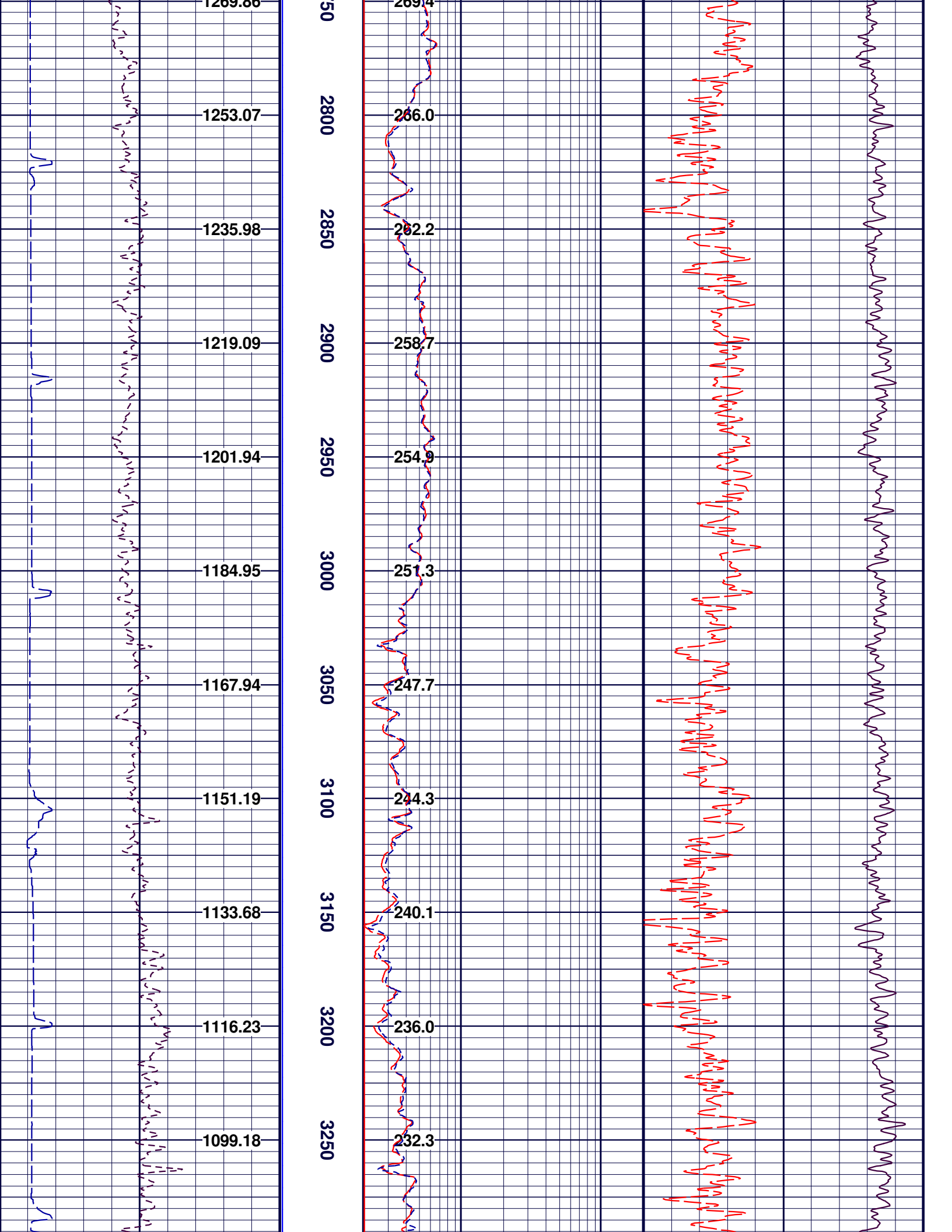
Company : EXTRACTION OIL & GAS LLC  
Well : WIND 6  
Scale : 1 : 600  
Depth in : Feet  
Software : WinAPIot Ver. 5, 91, 4, 0

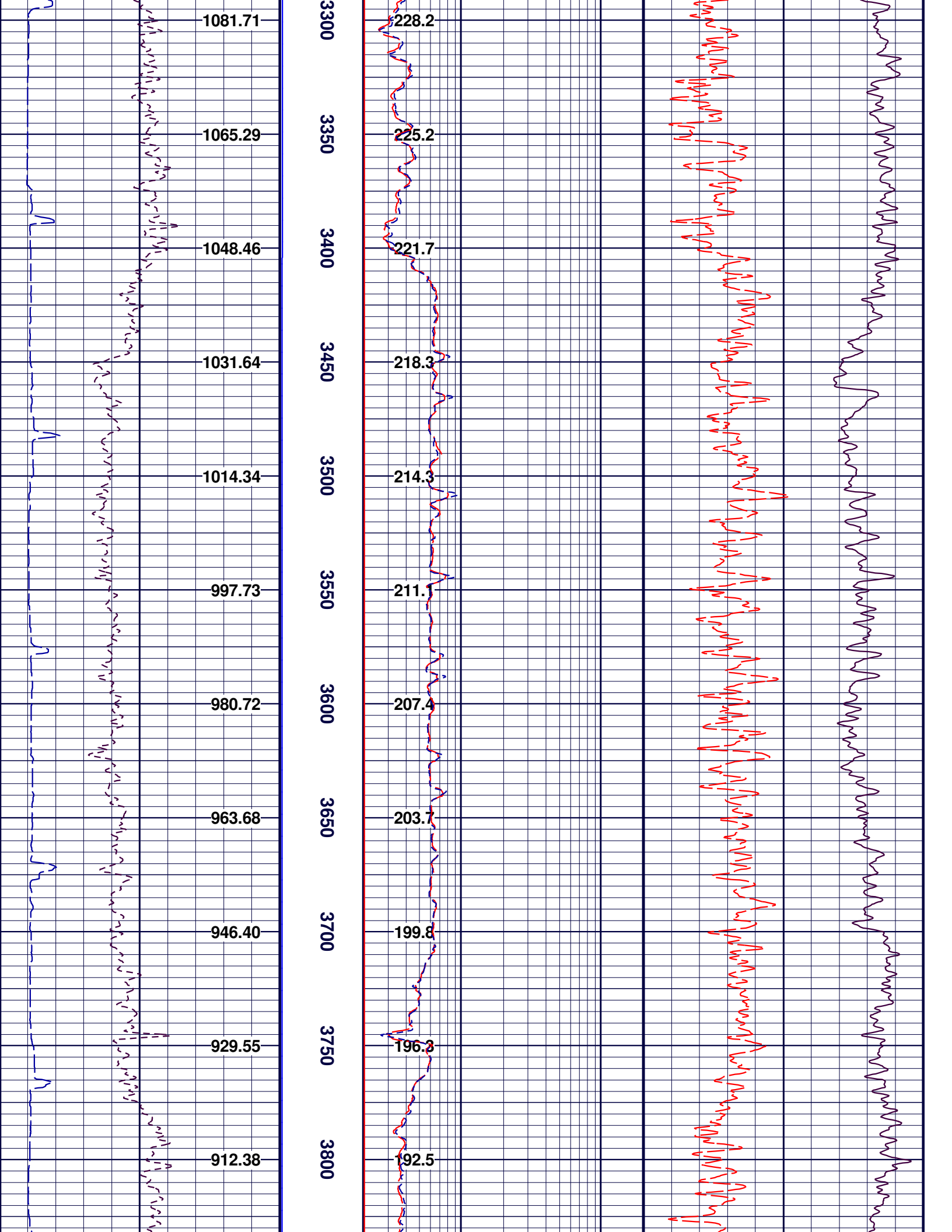
Date : 29.06.2015  
Time : 06:26:35  
Remarks :  
File Name : New Log4



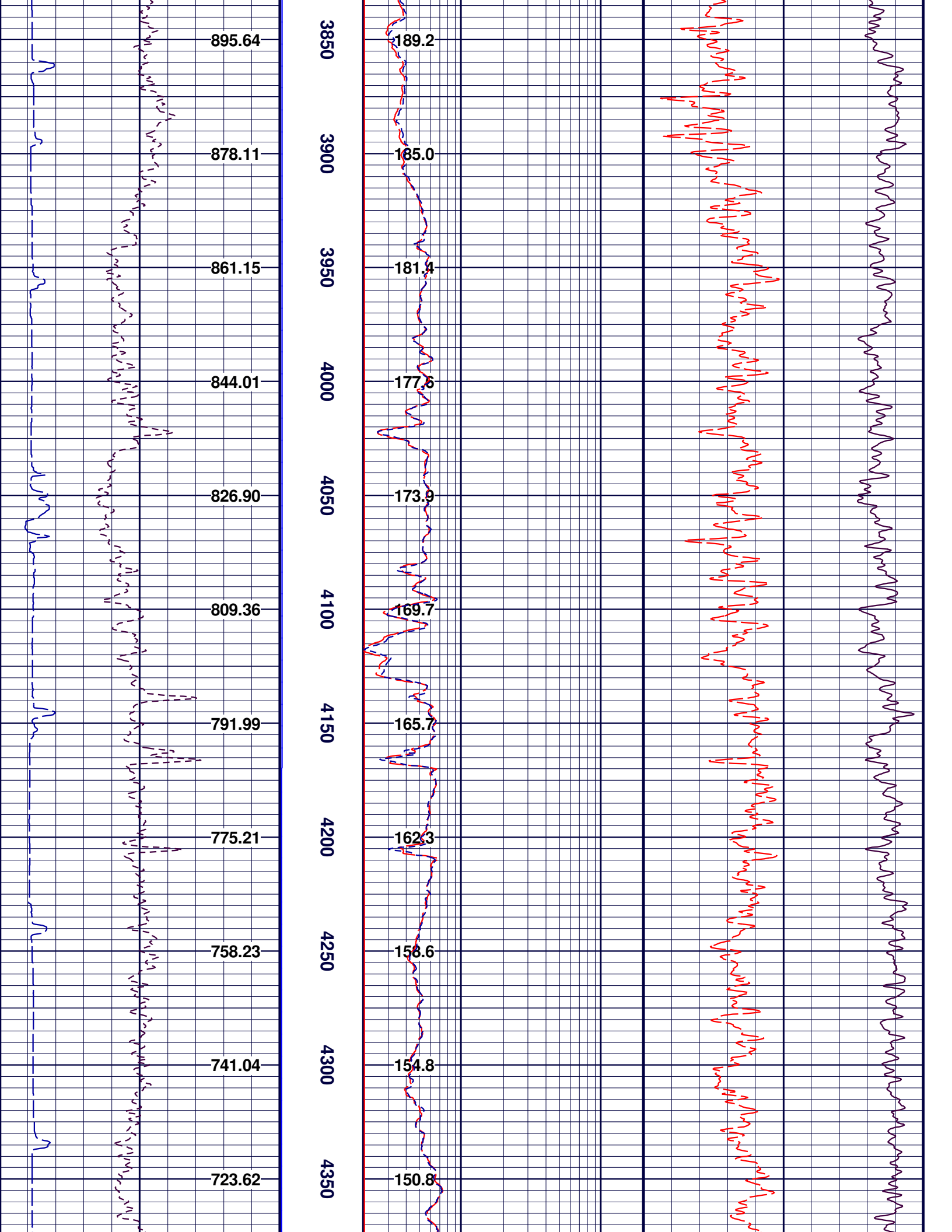


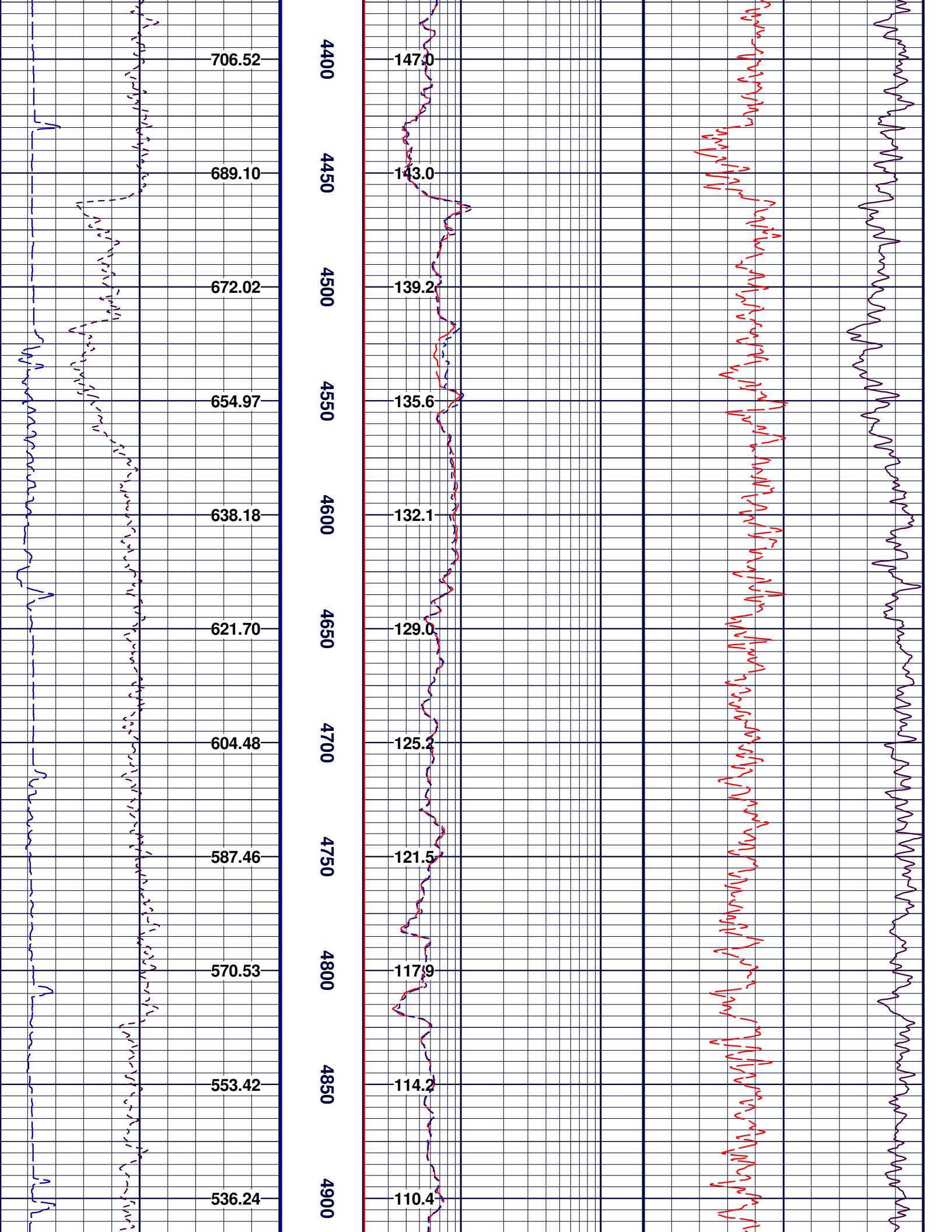


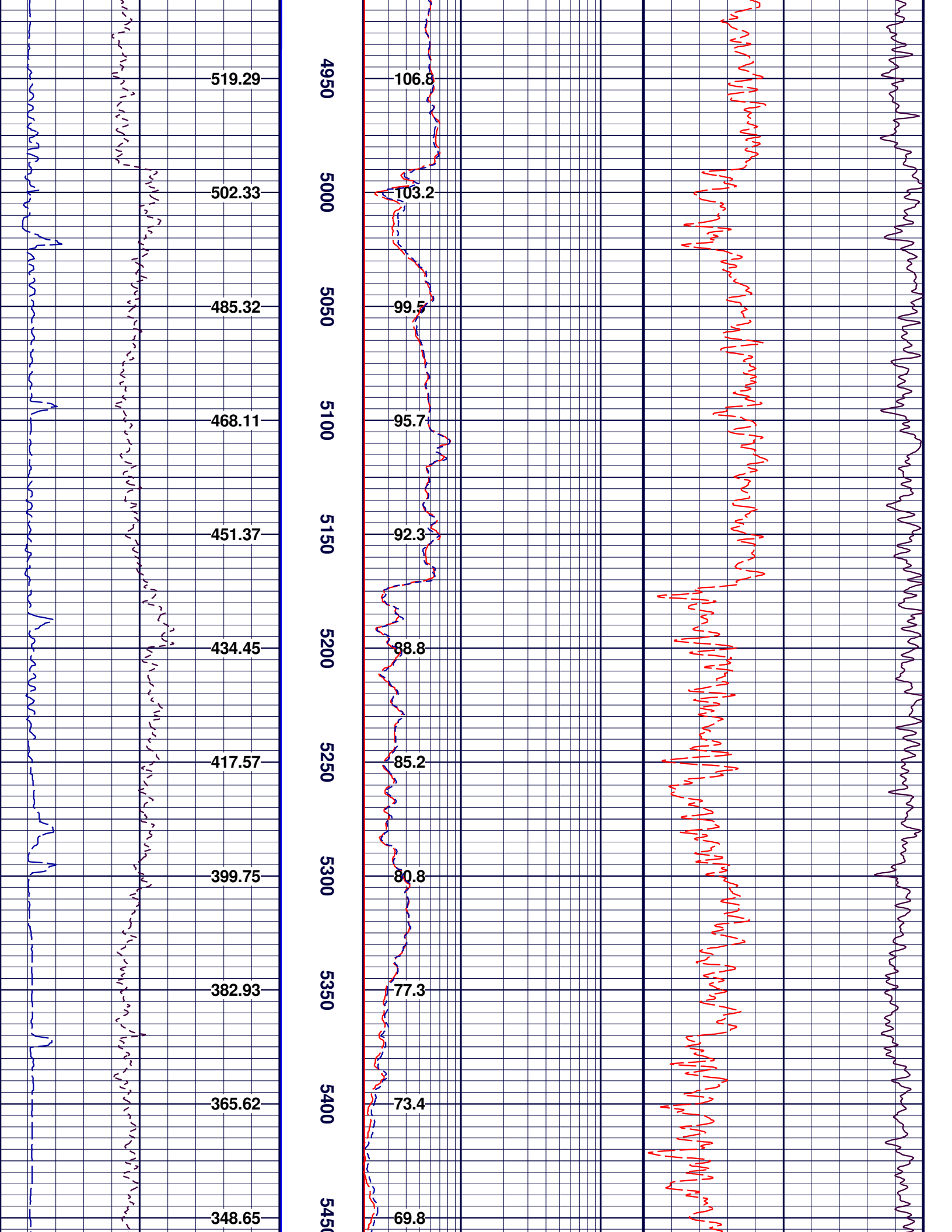


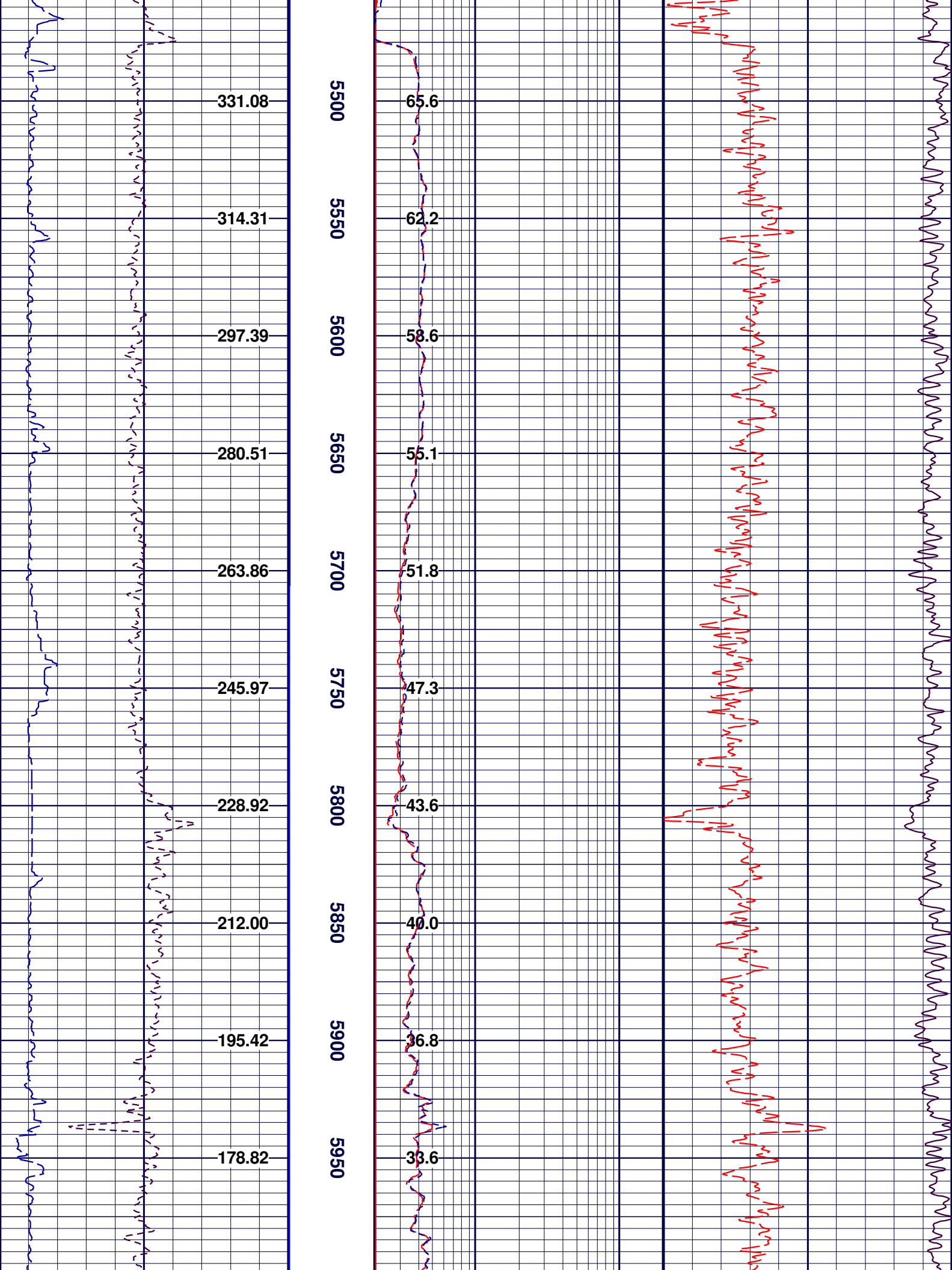




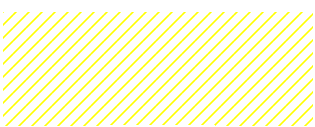
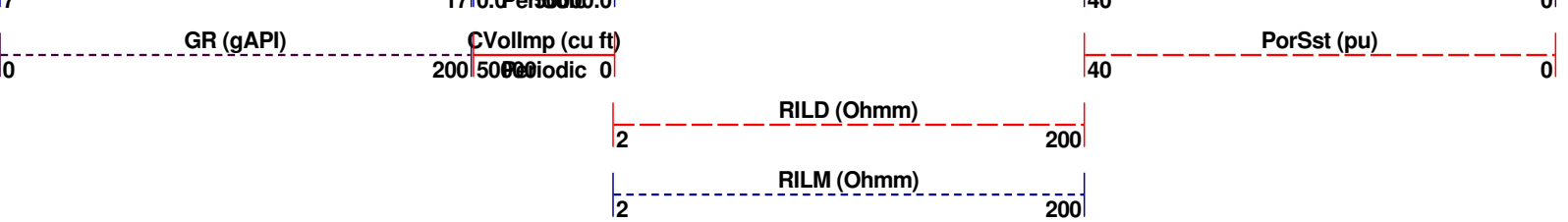










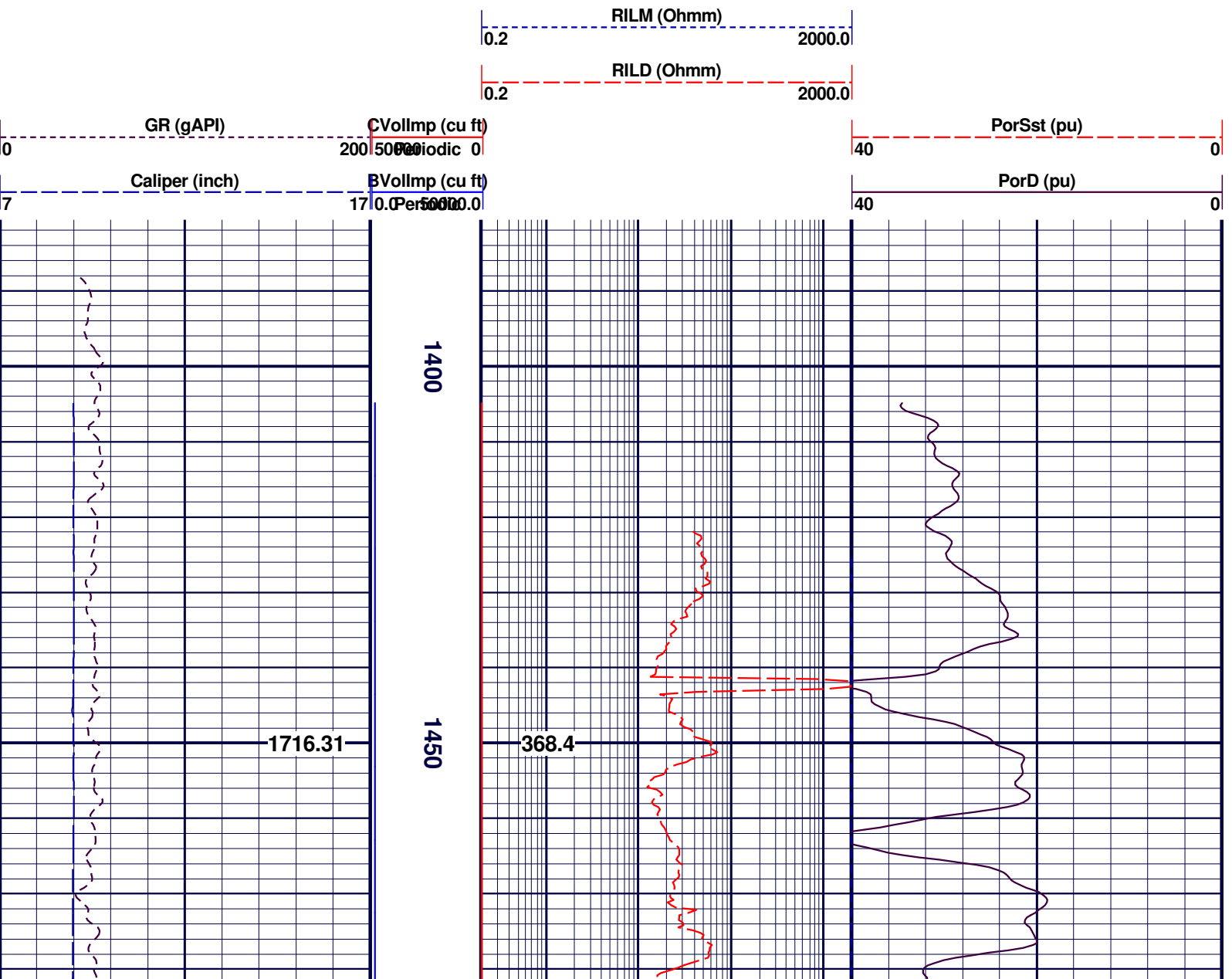


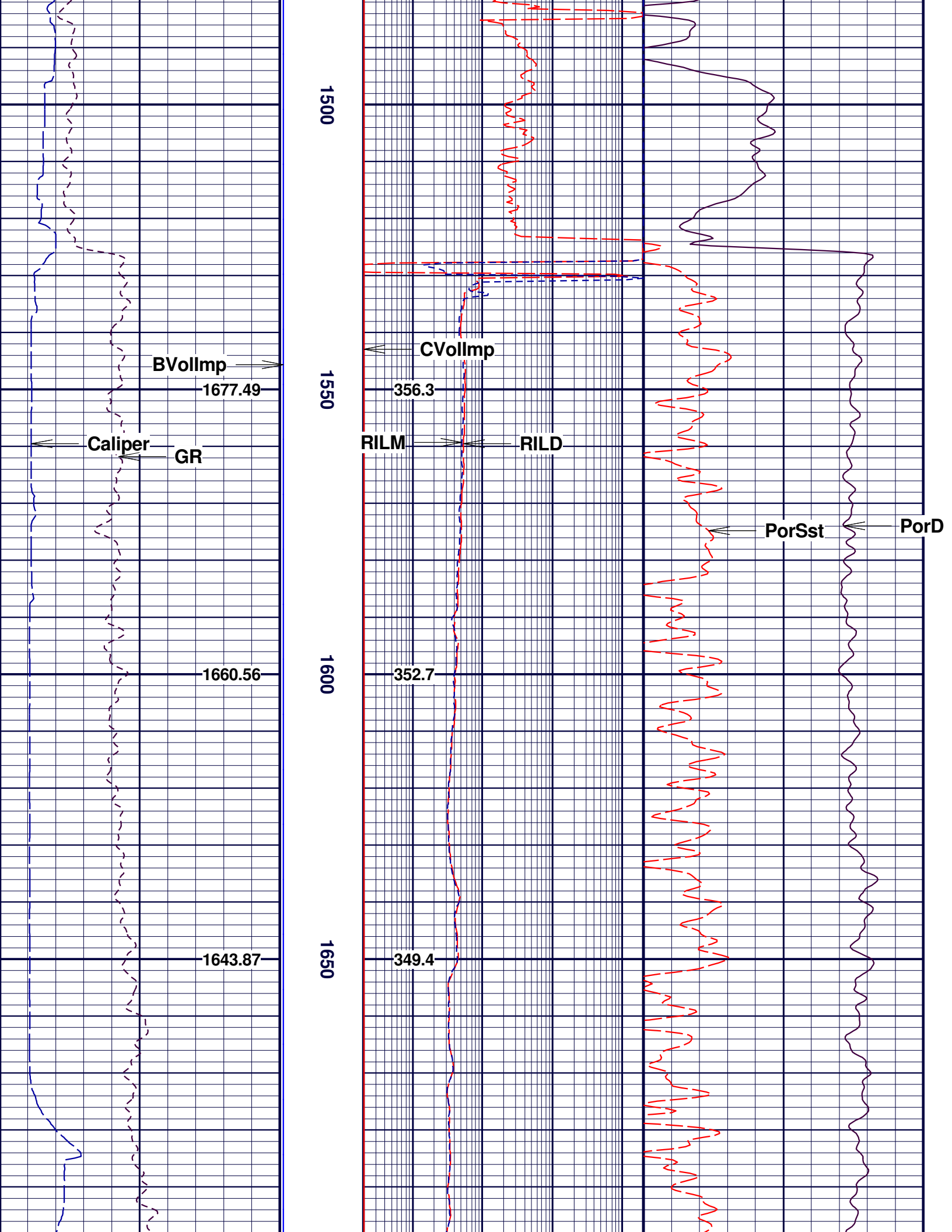
crossover

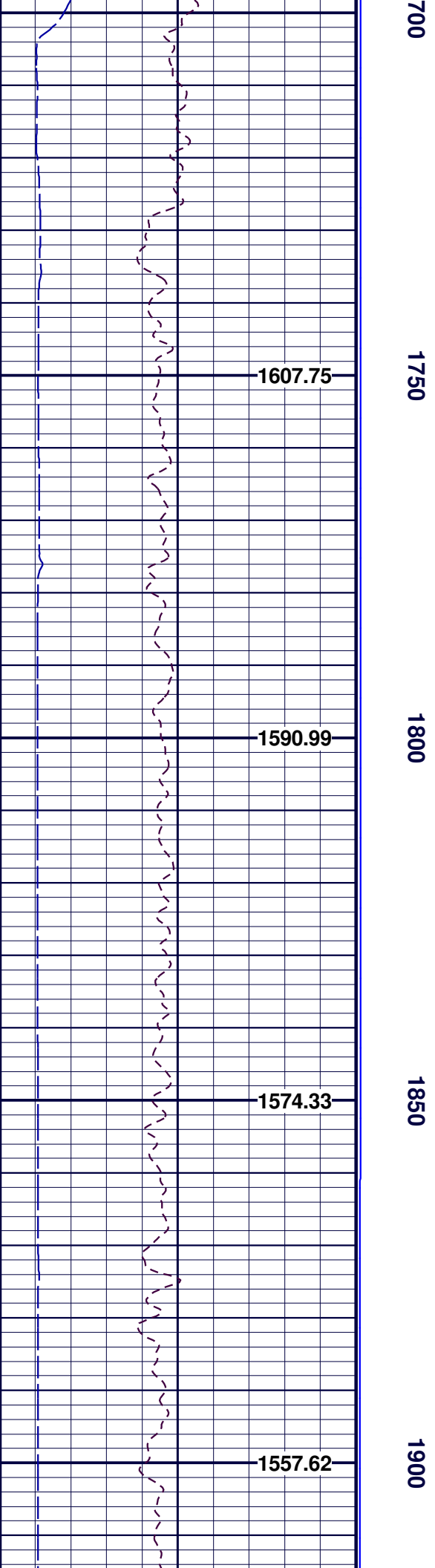
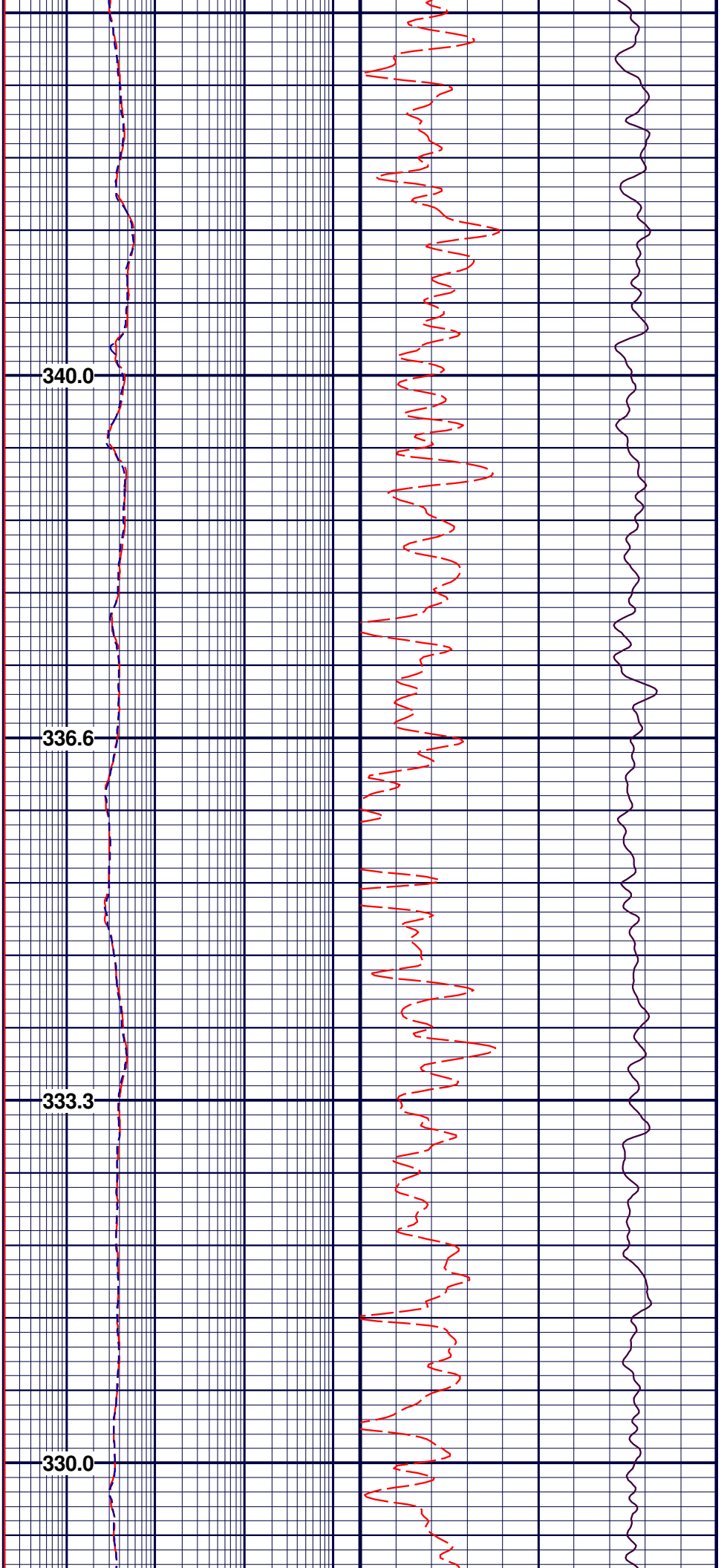
# MAIN PASS

Company : EXTRACTION OIL & GAS LLC  
Well : WIND 6  
Scale : 1 : 240  
Depth in : Feet  
Software : WinAPIPlot Ver. 5, 91, 4, 0

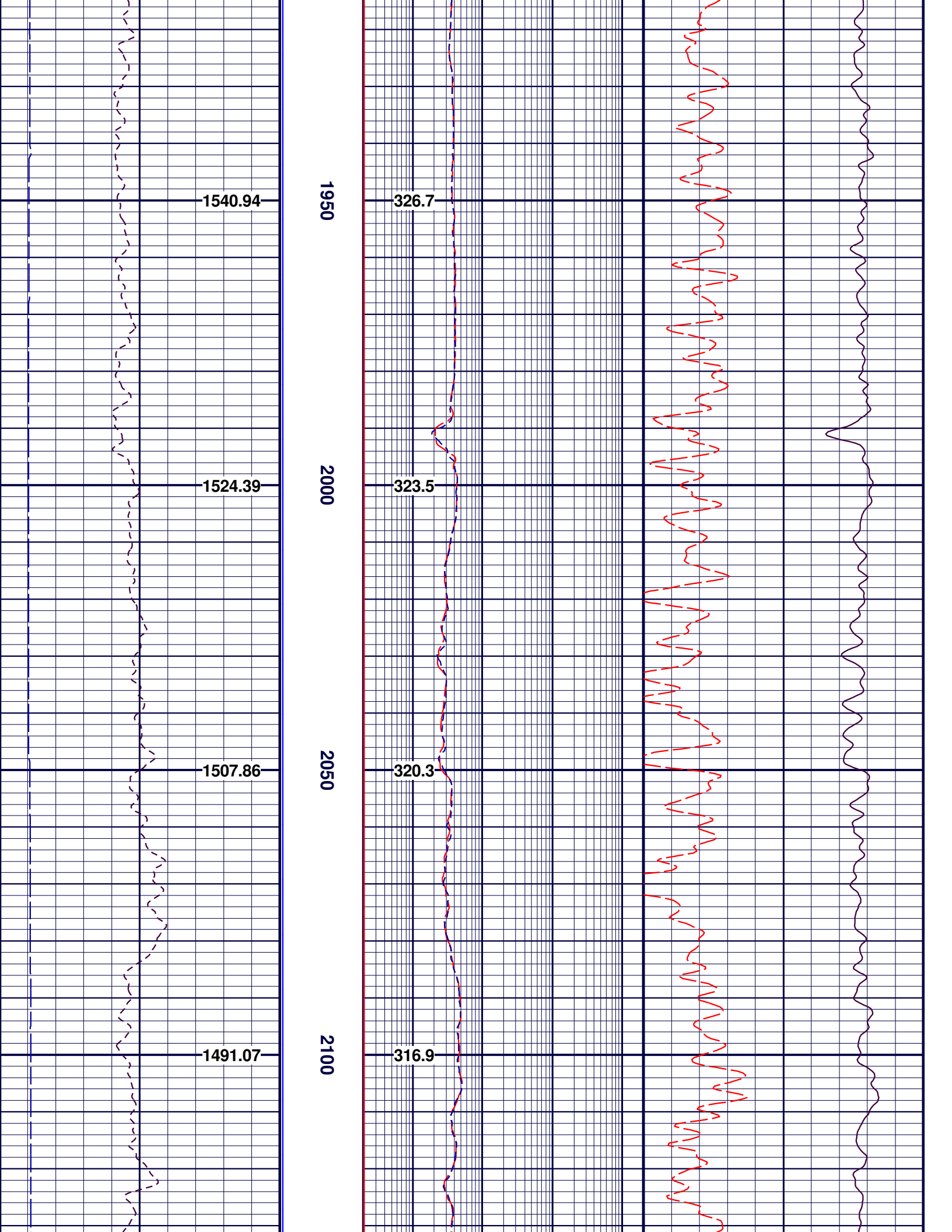
Date : 29.06.2015  
Time : 06:26:35  
Remarks :  
File Name : New Log4

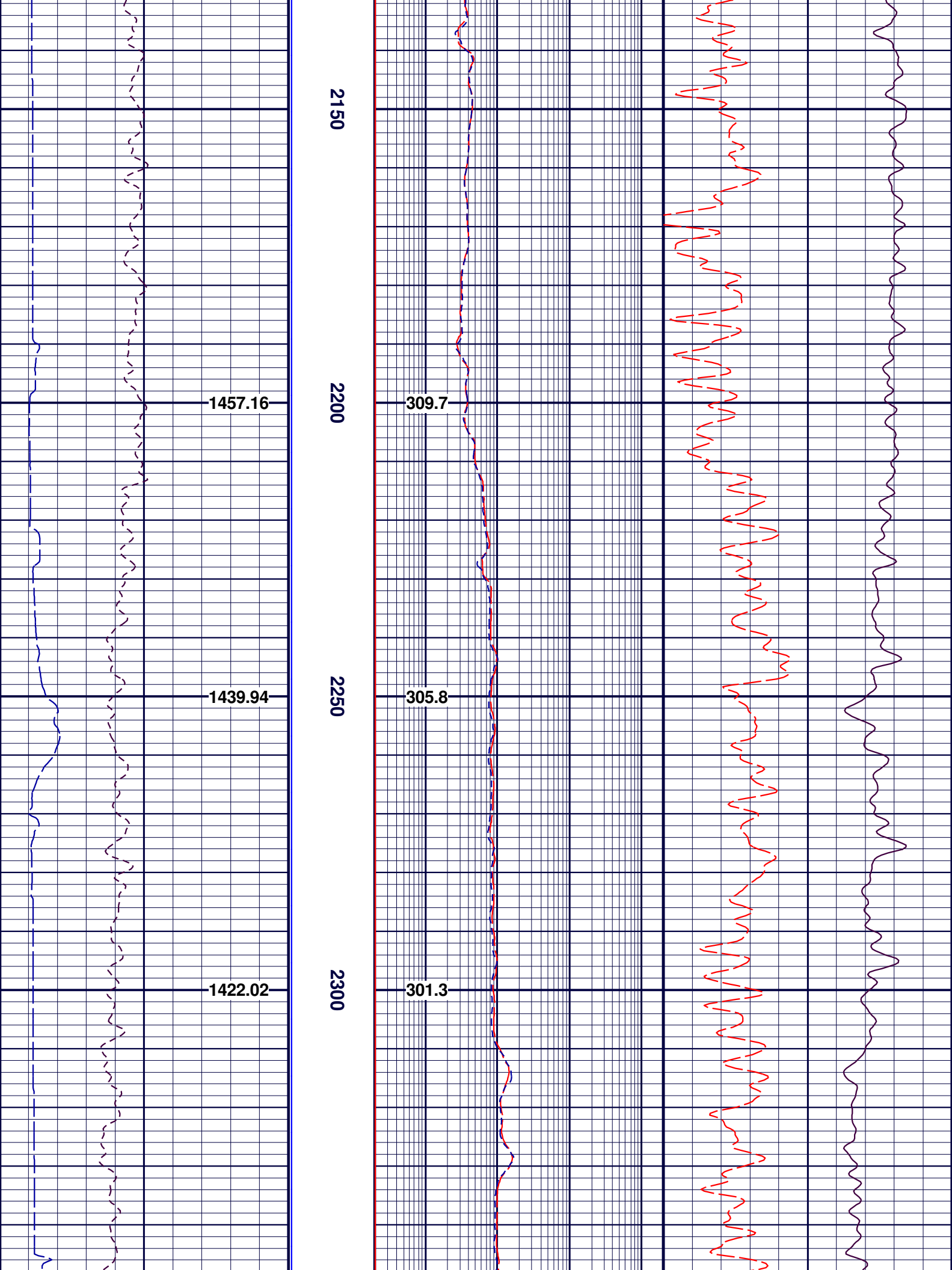


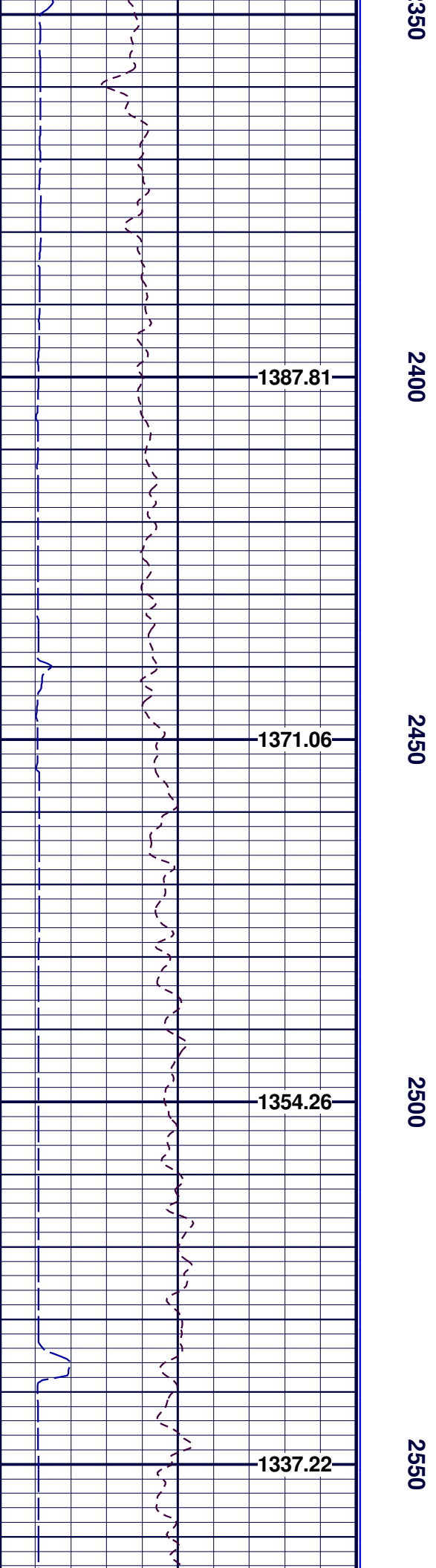
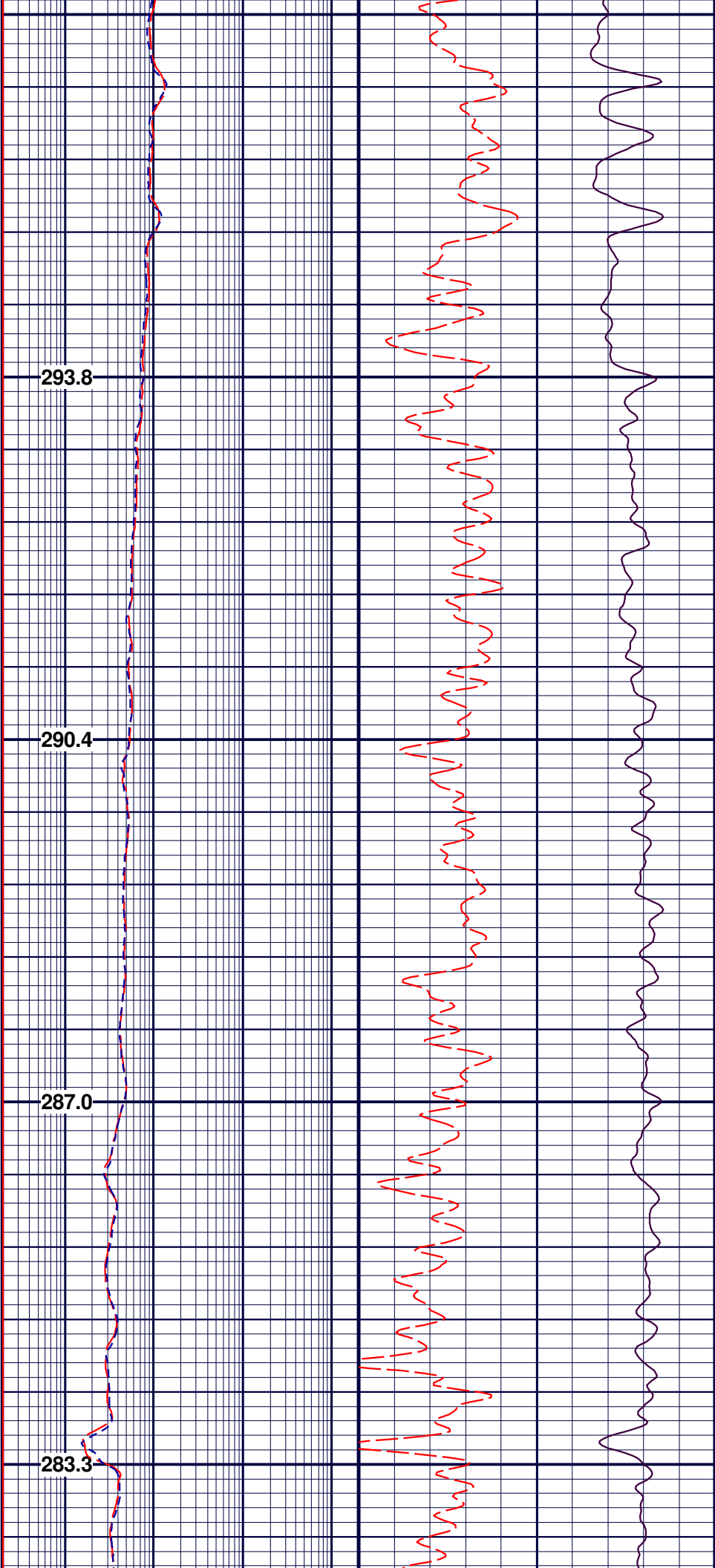


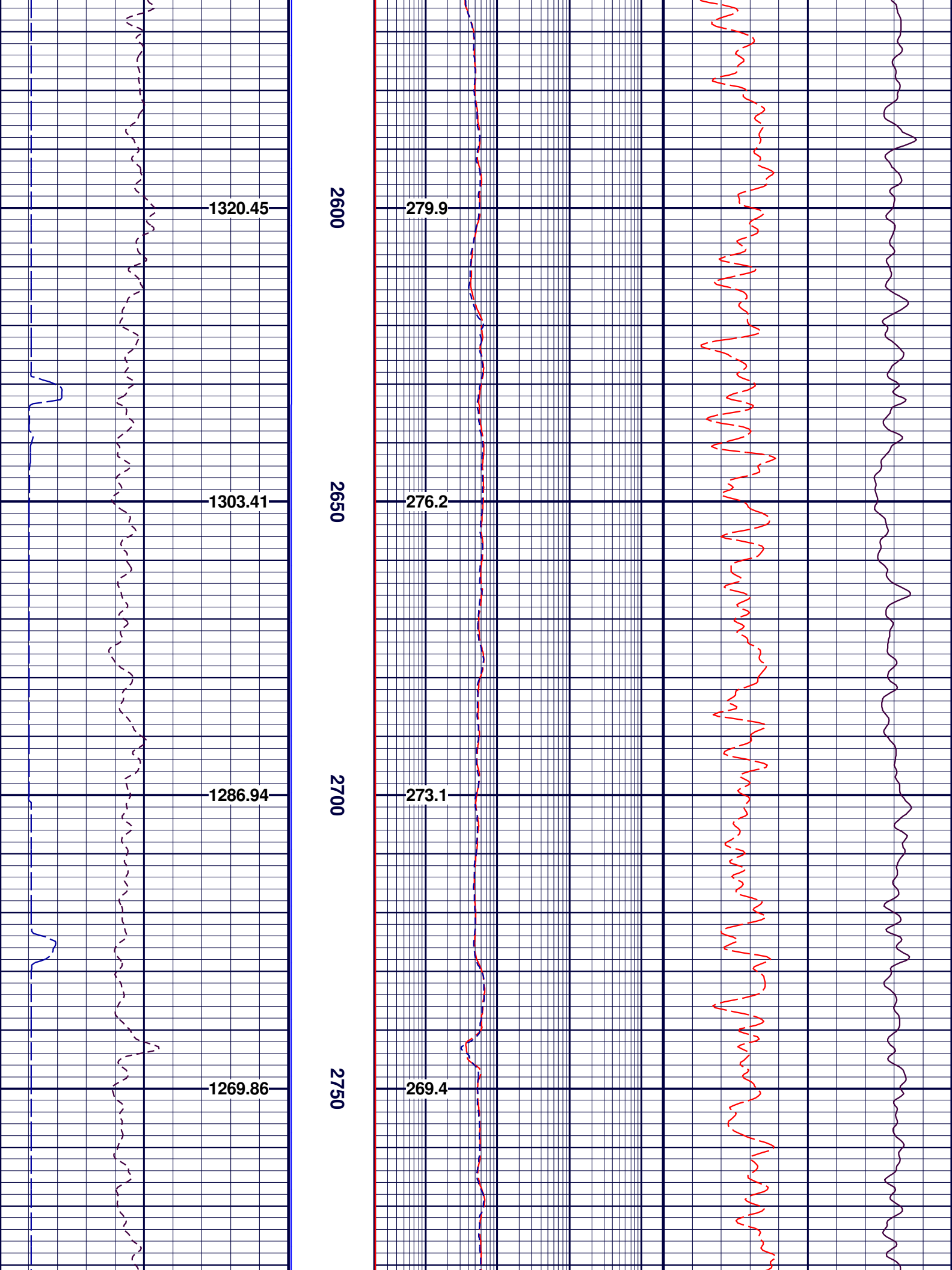


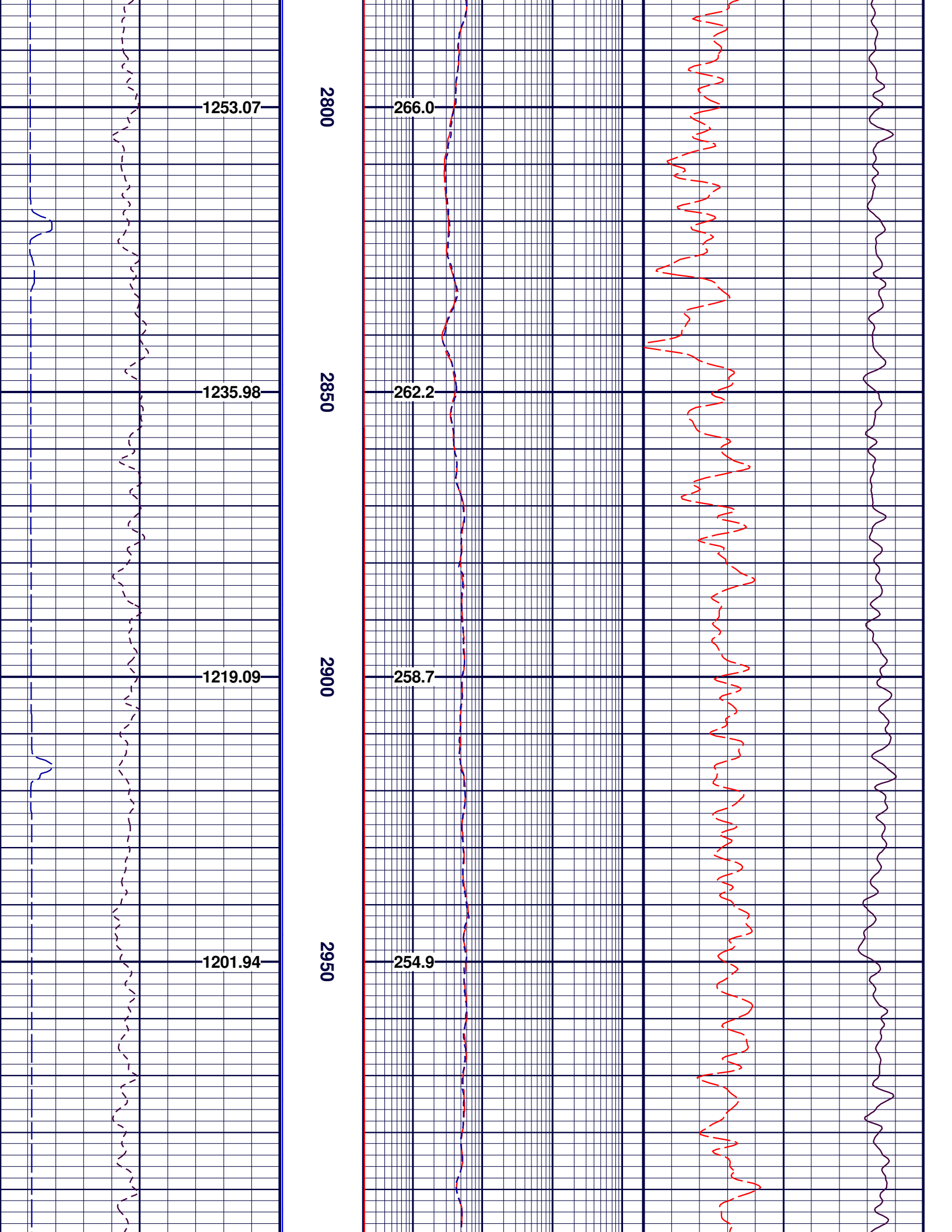


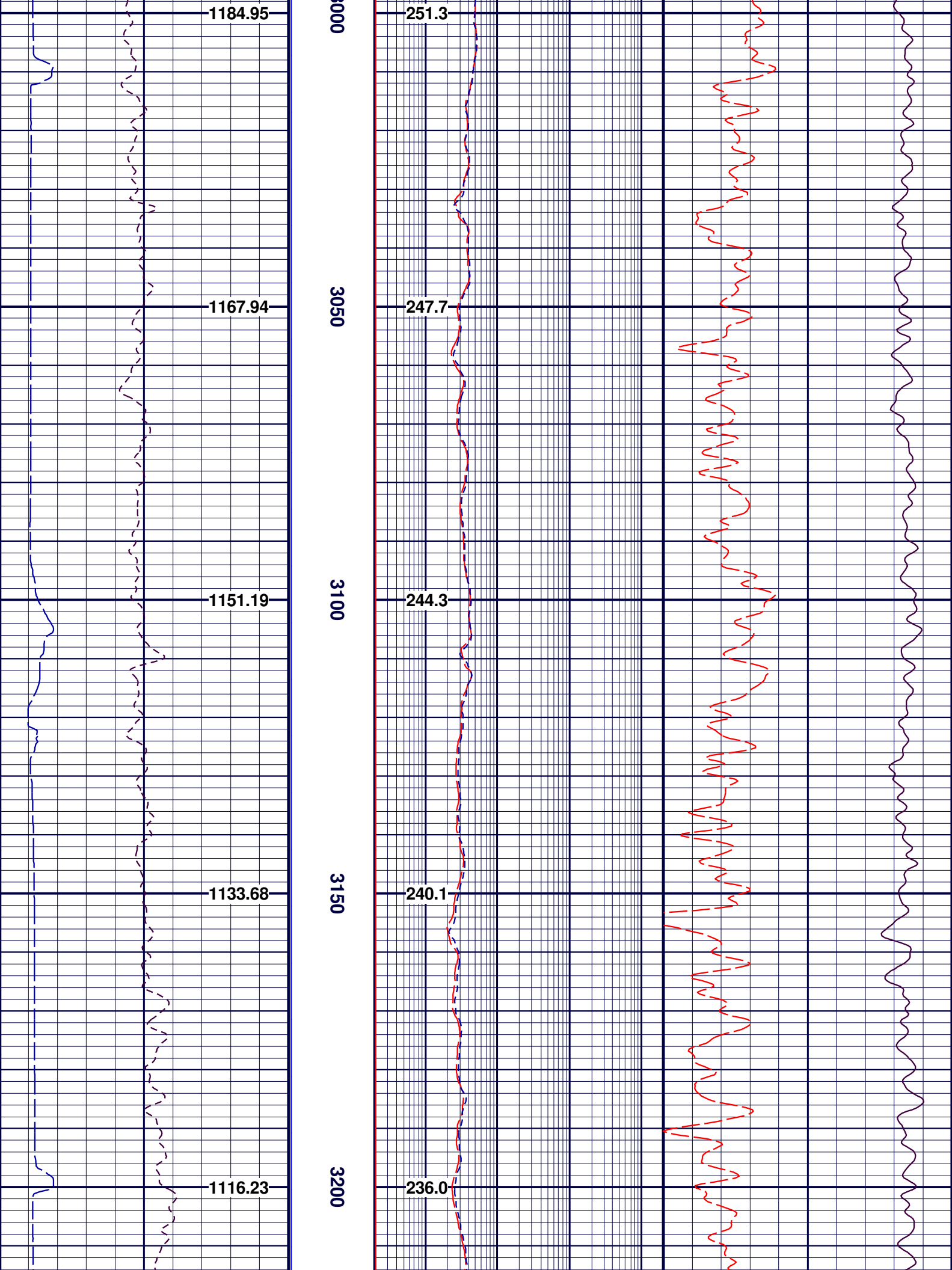


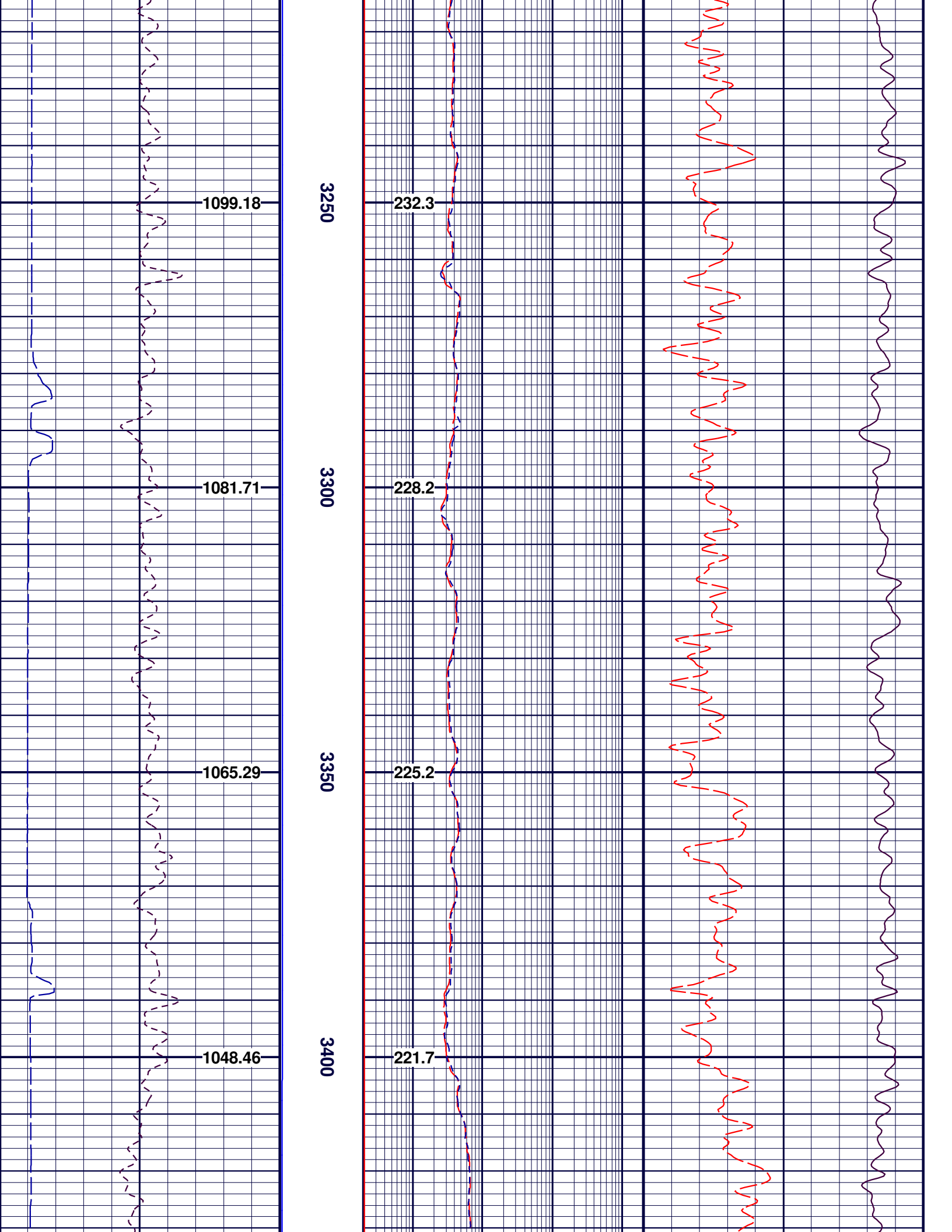


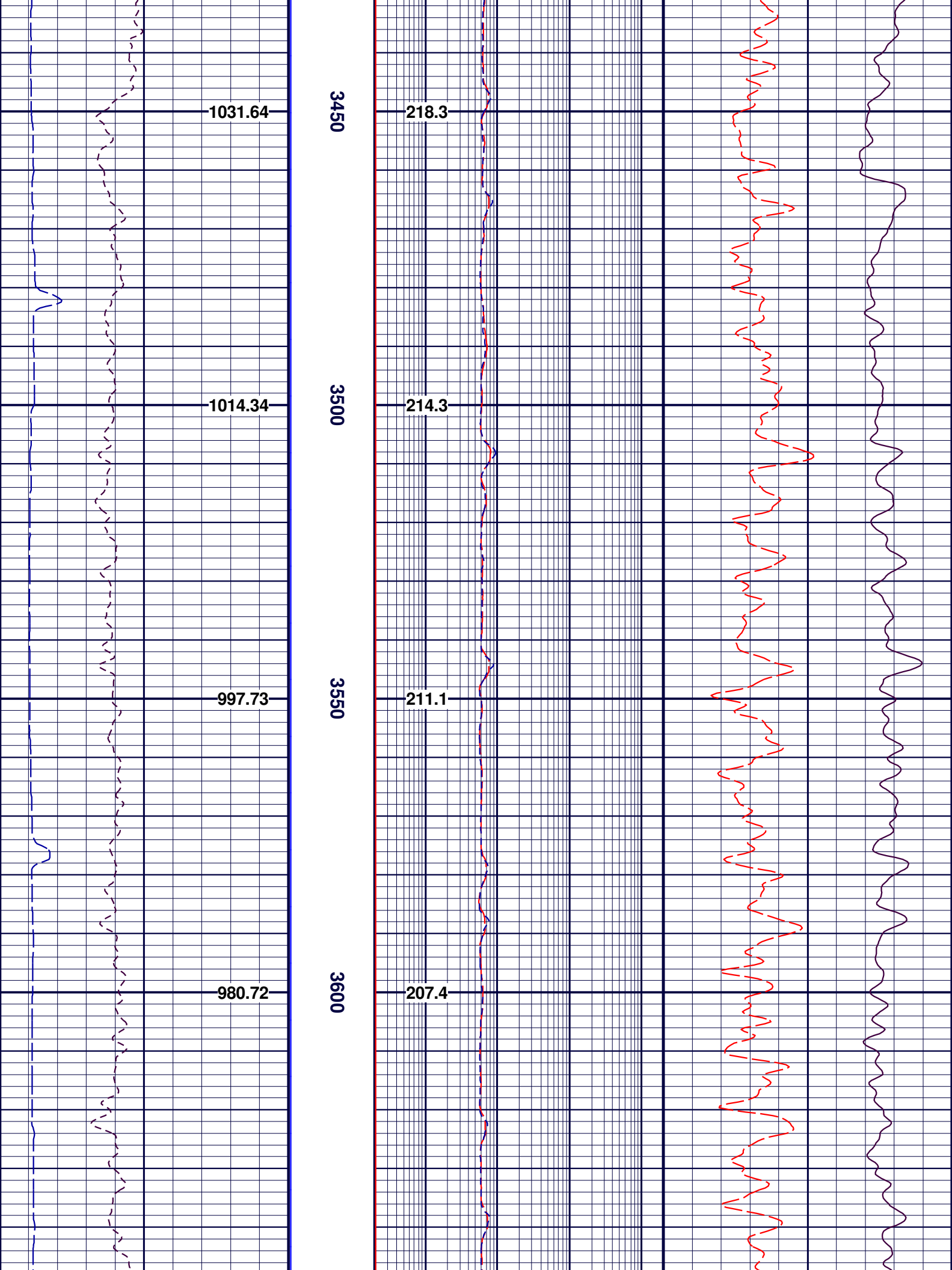




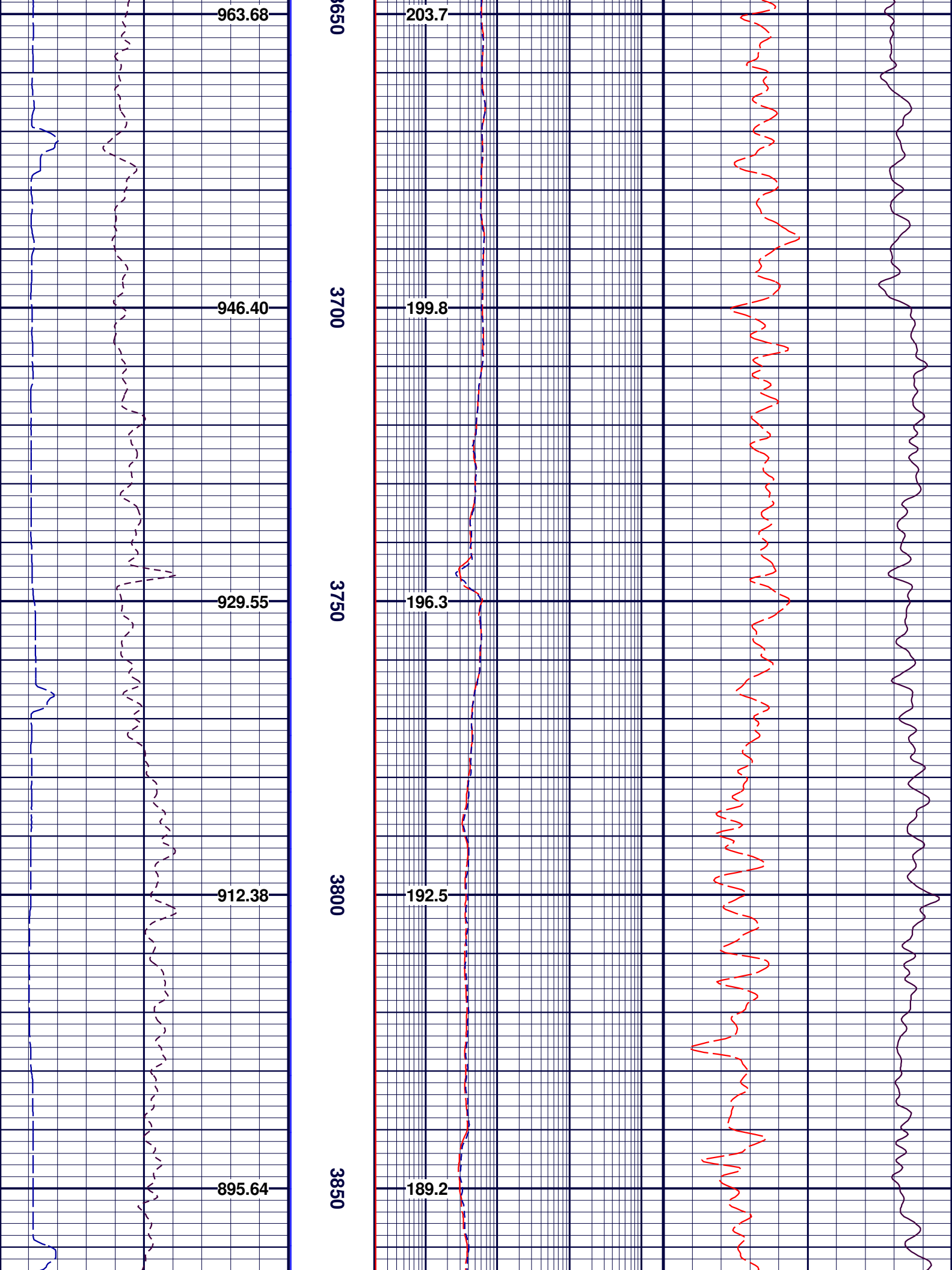


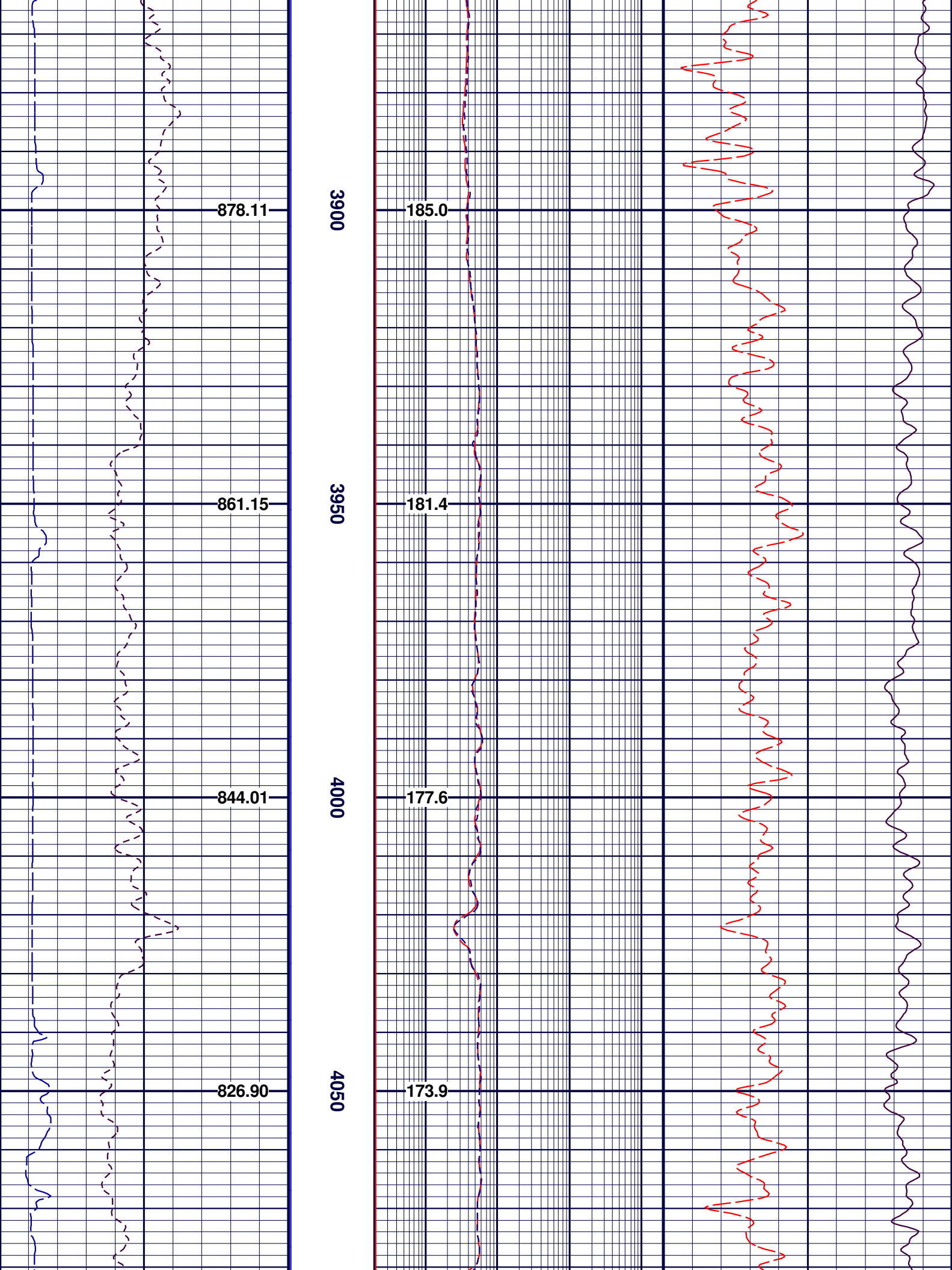


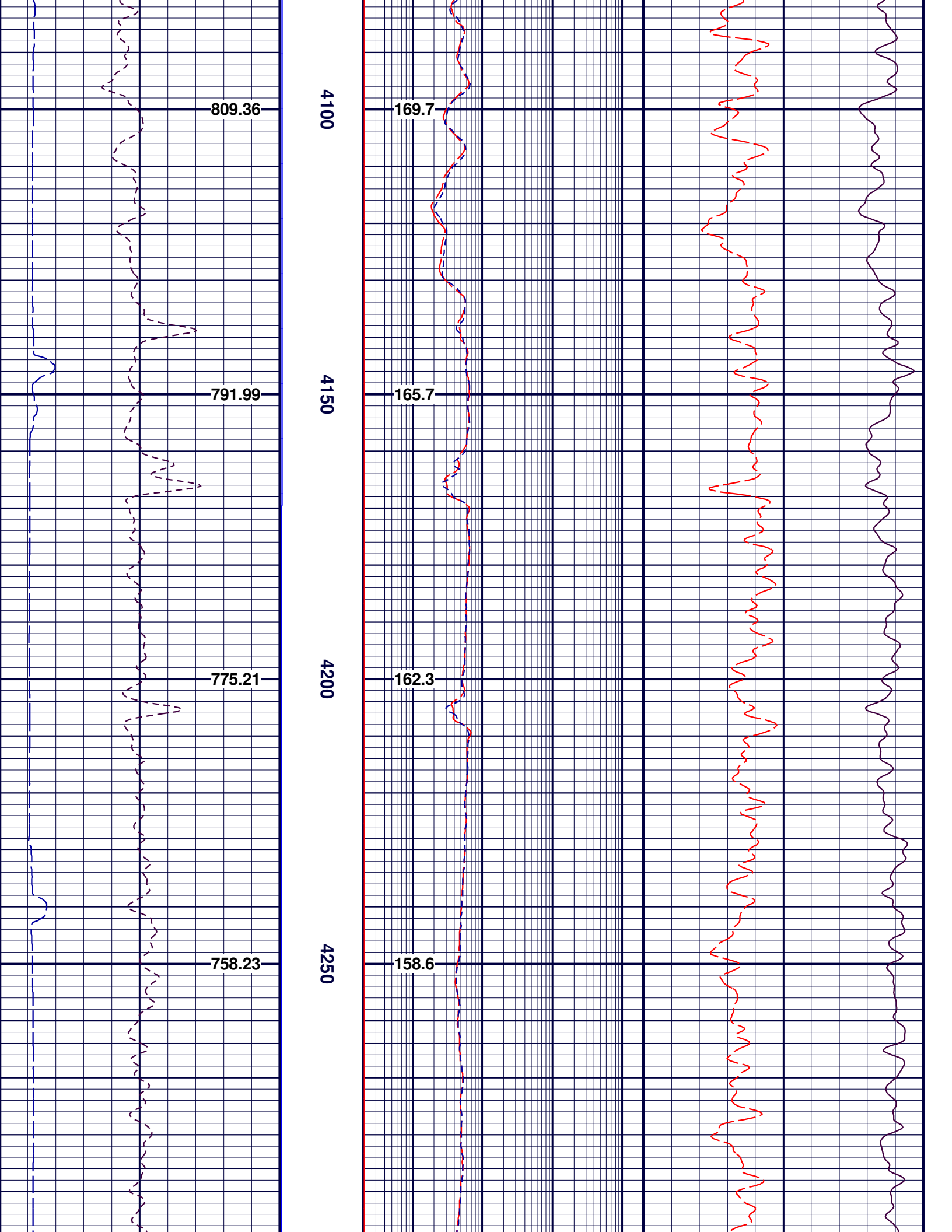


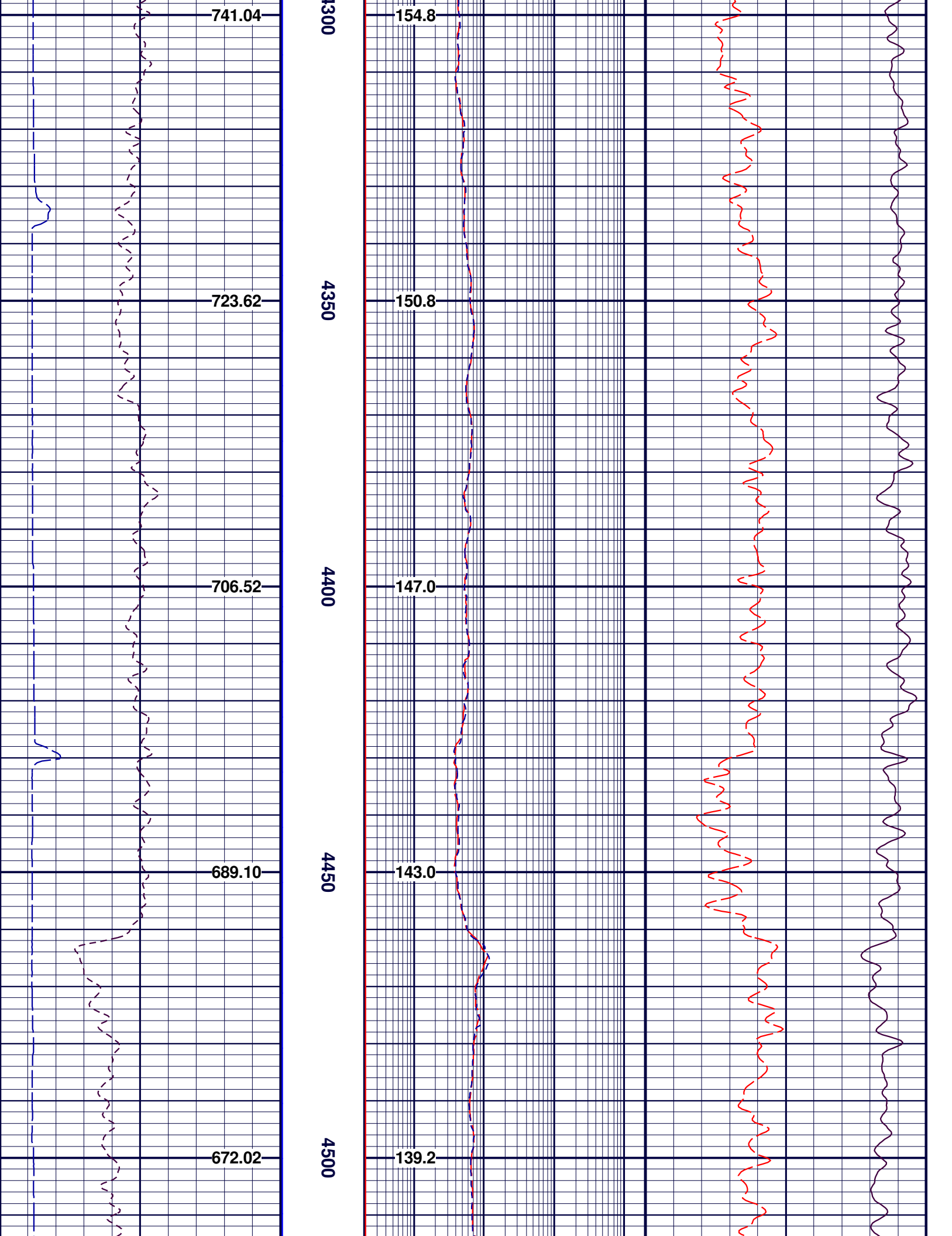


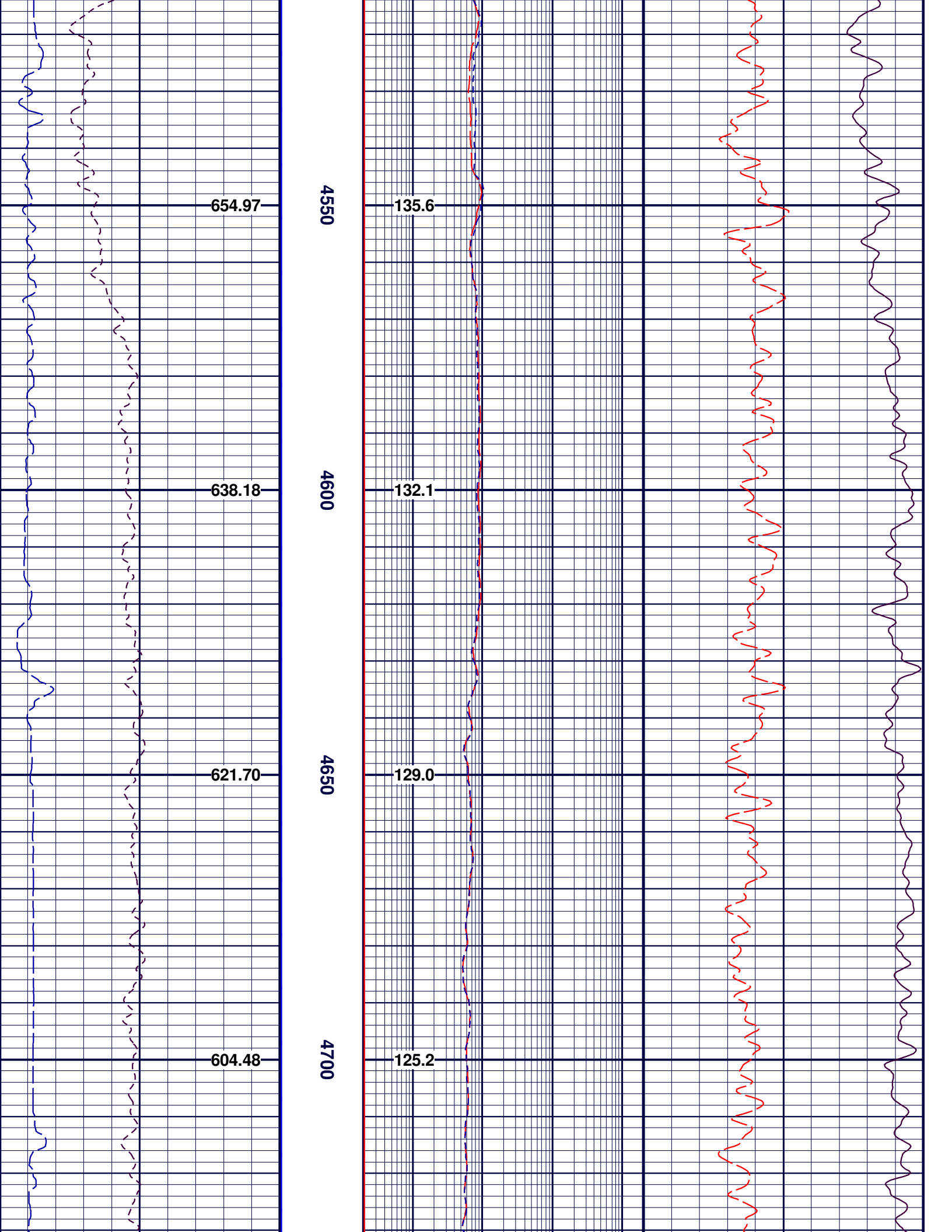


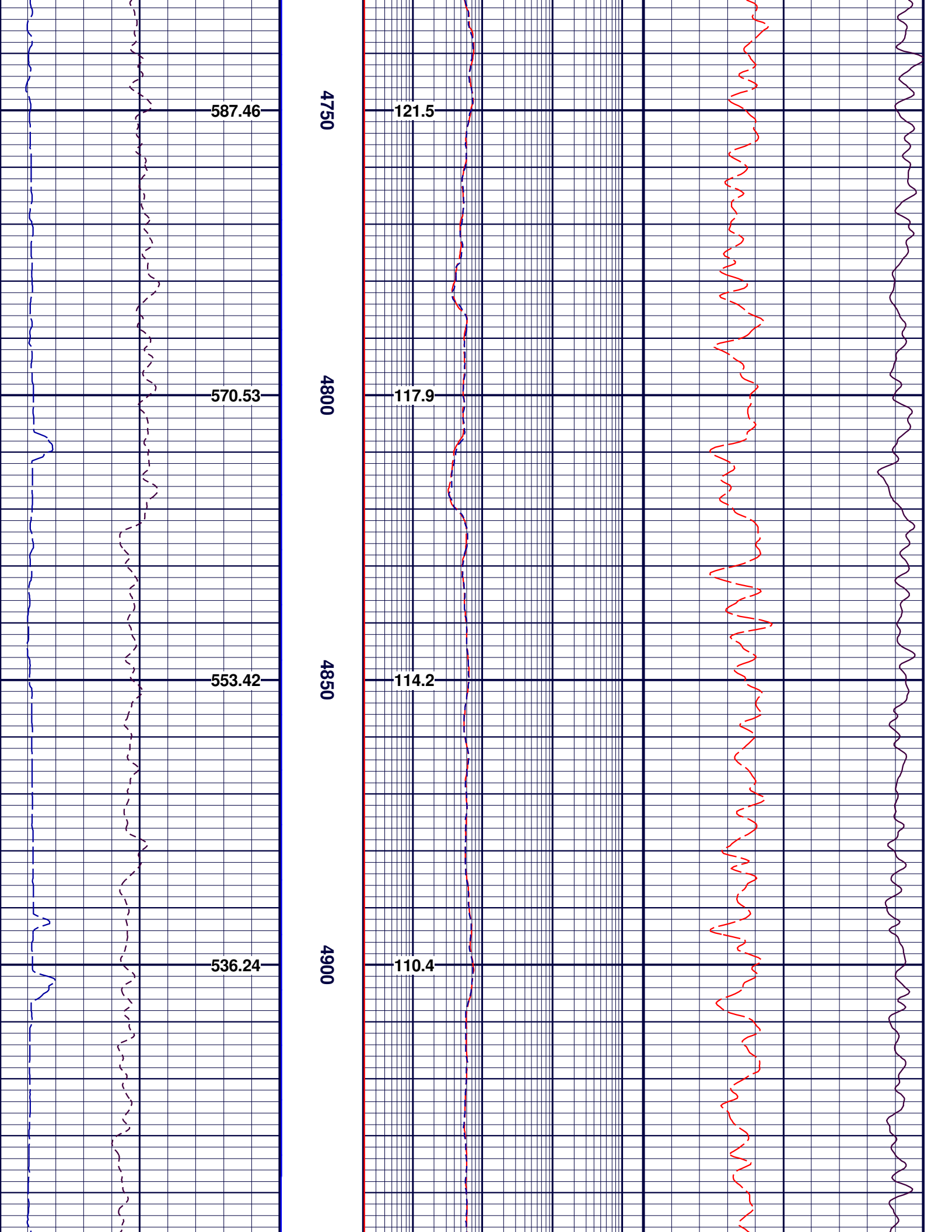


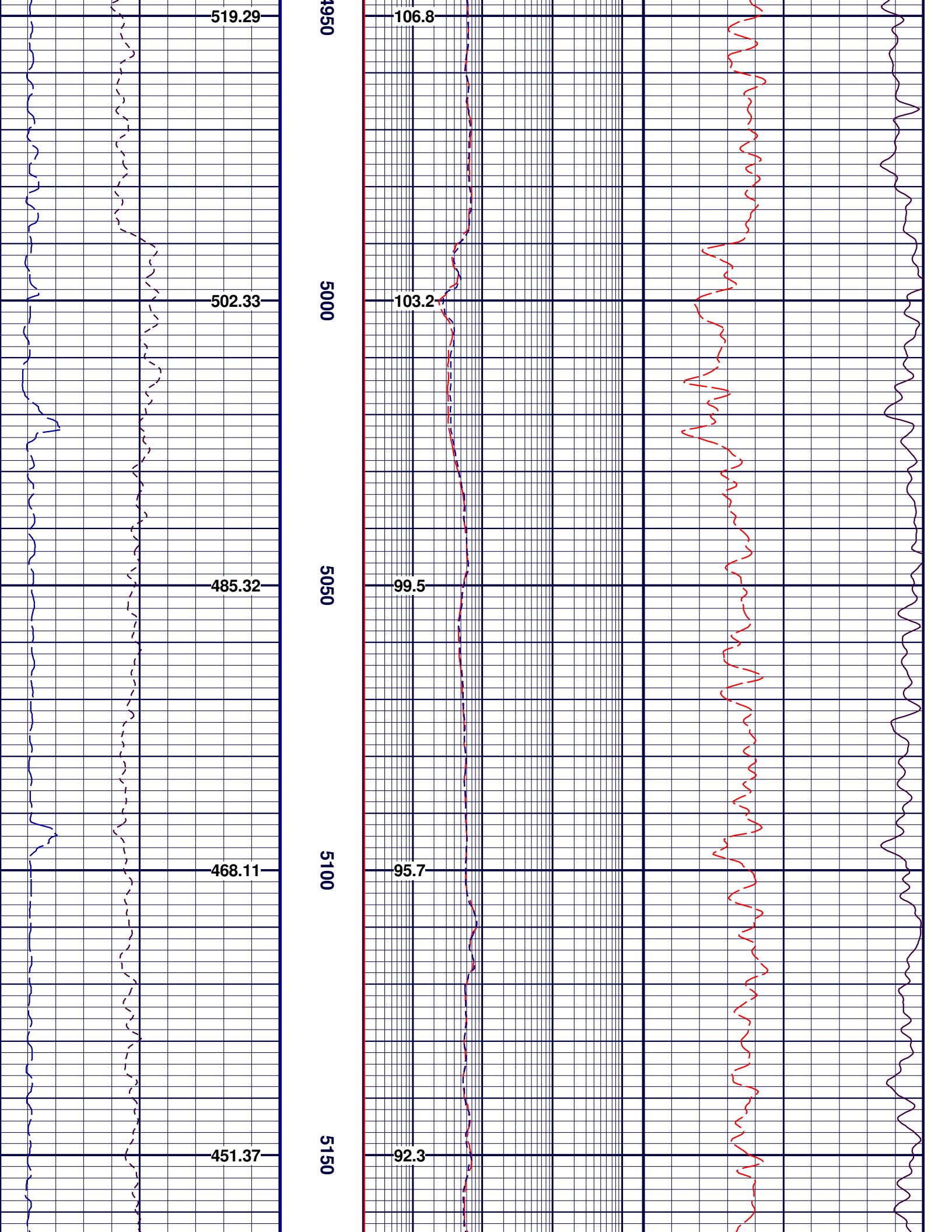


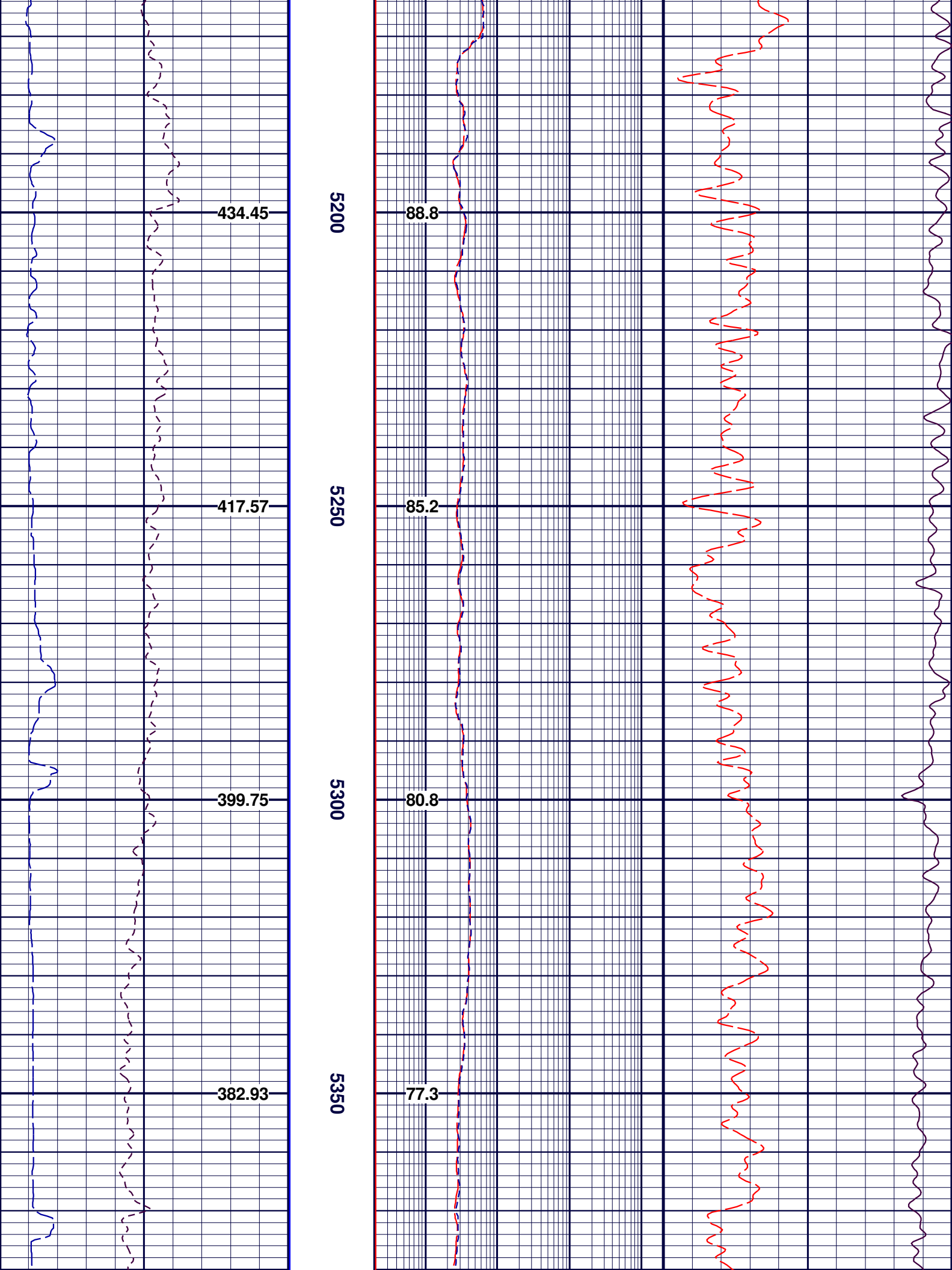




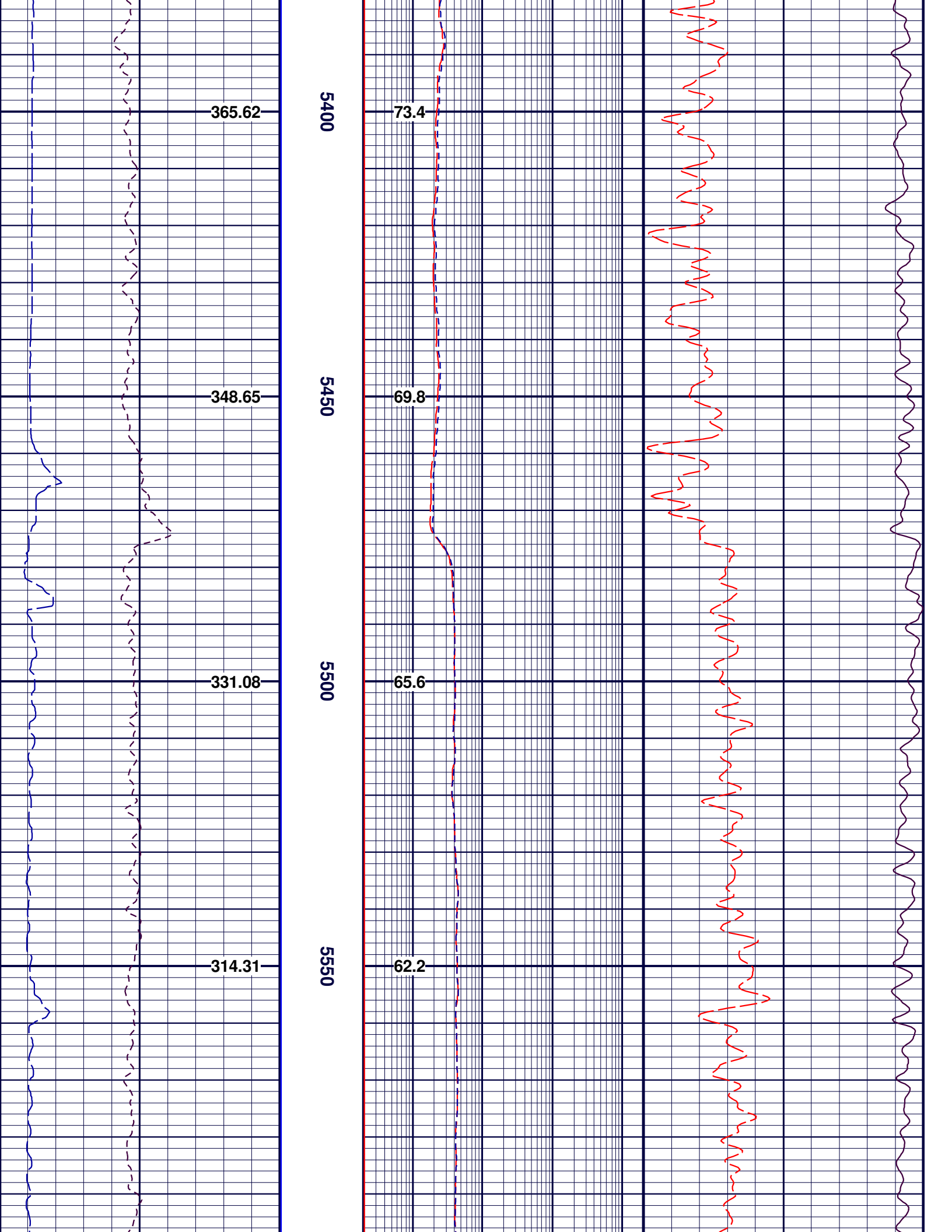


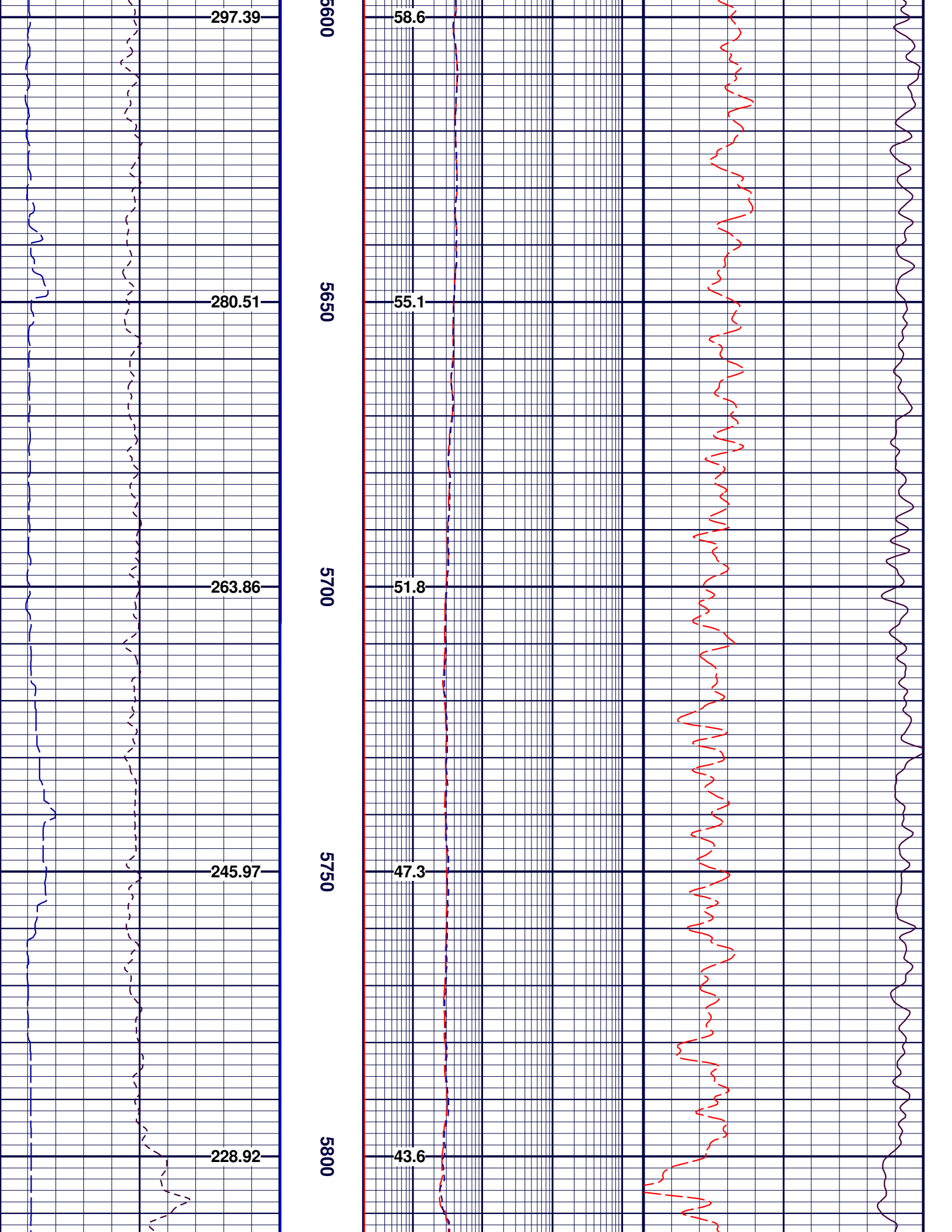


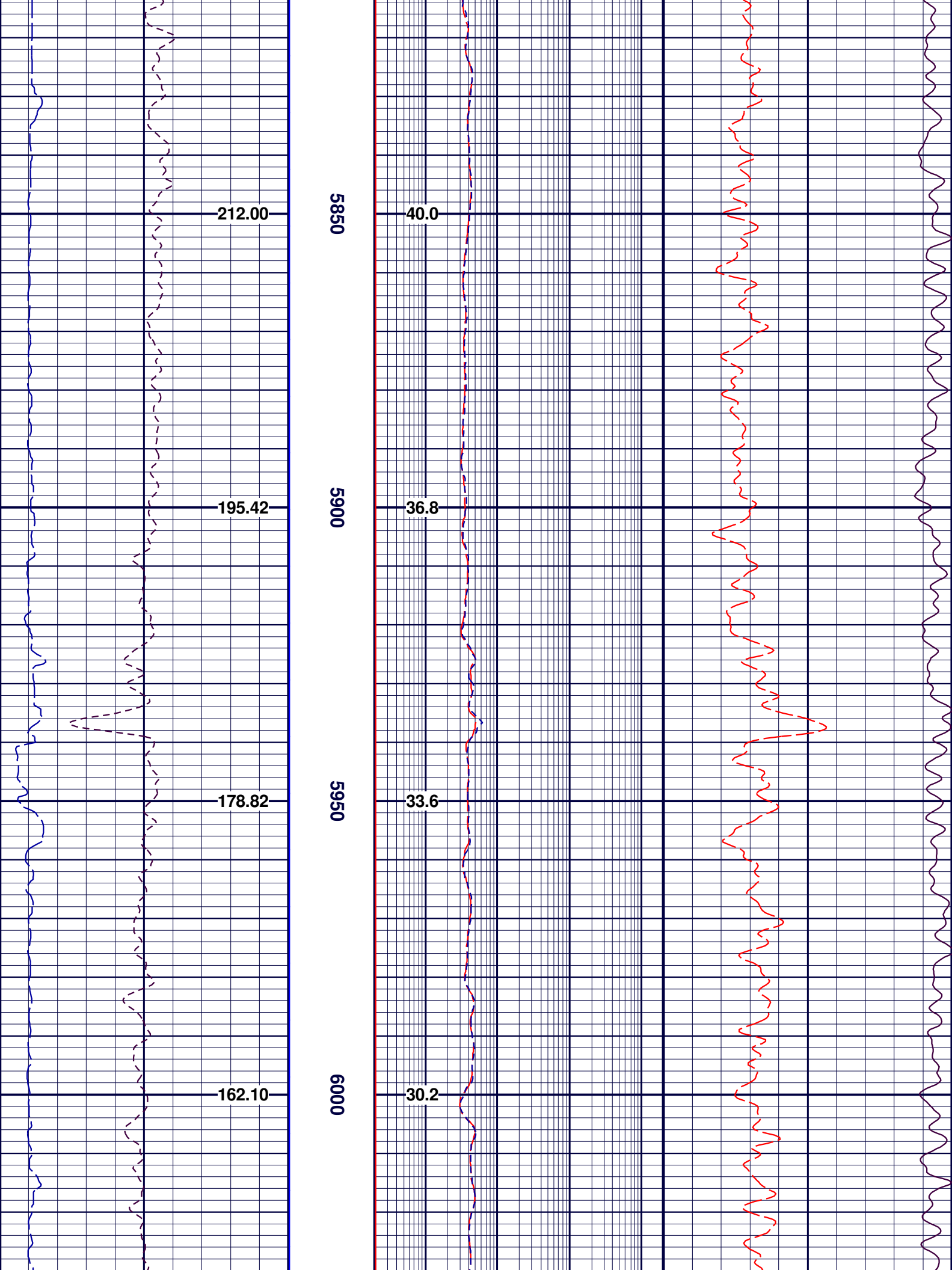


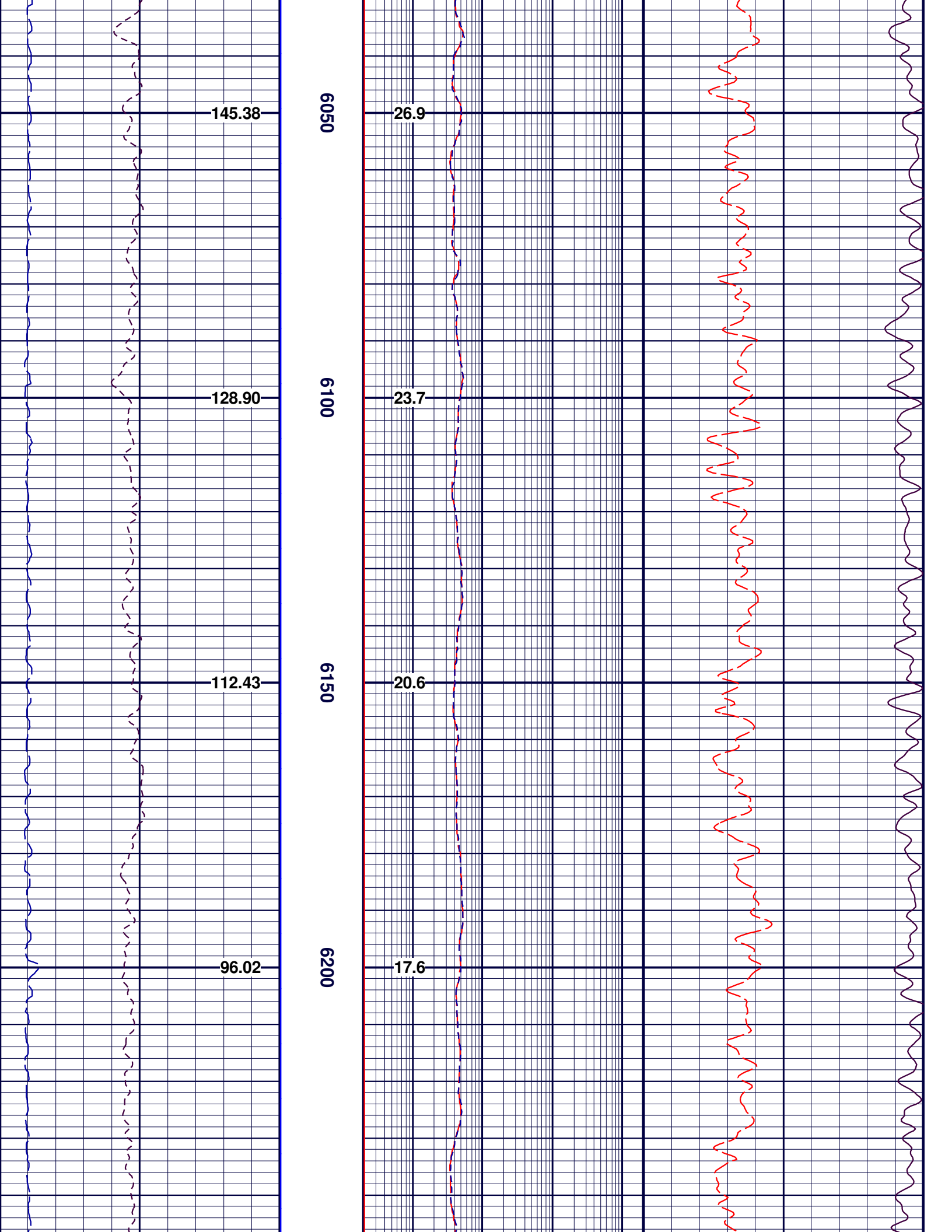


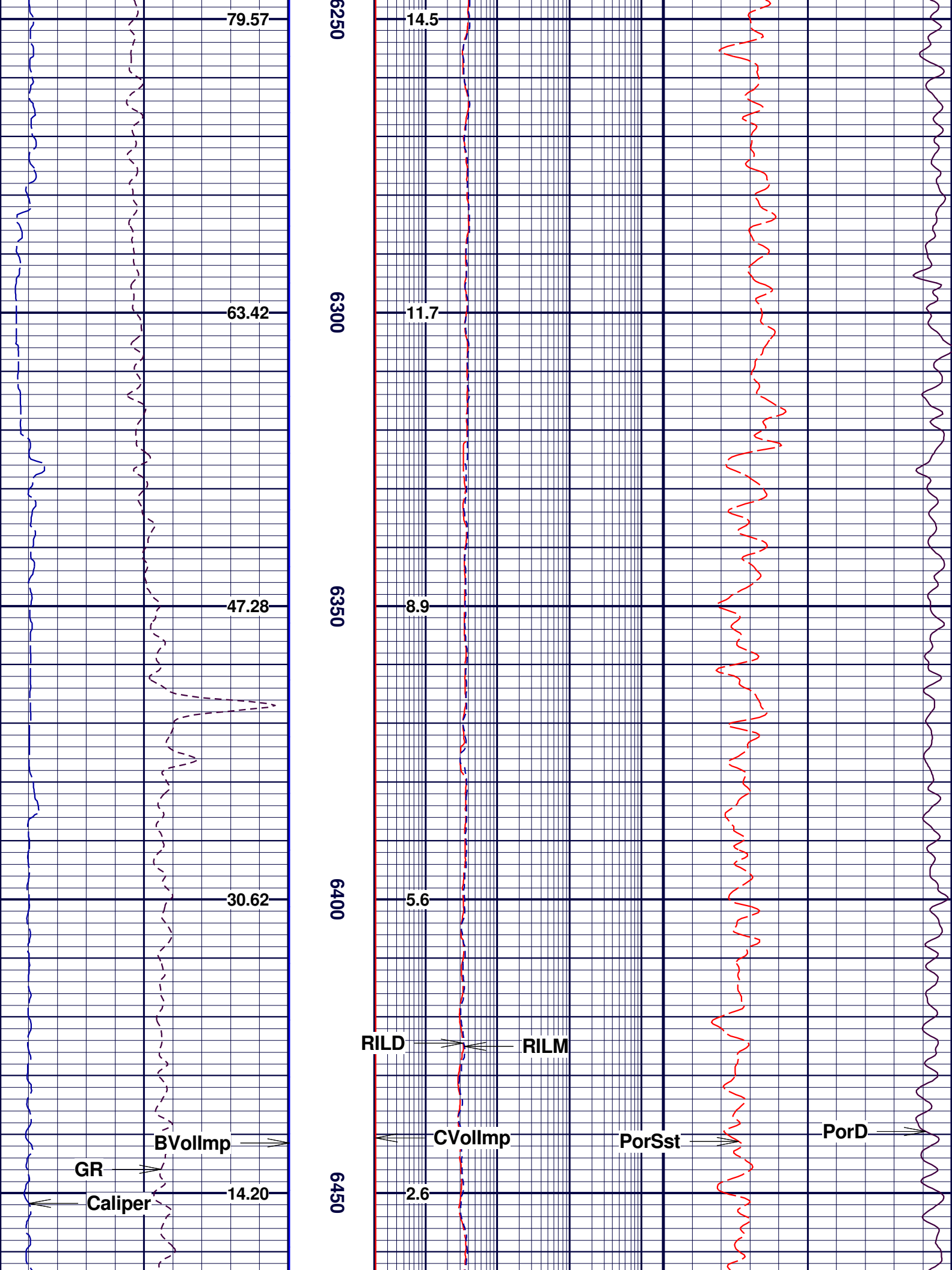


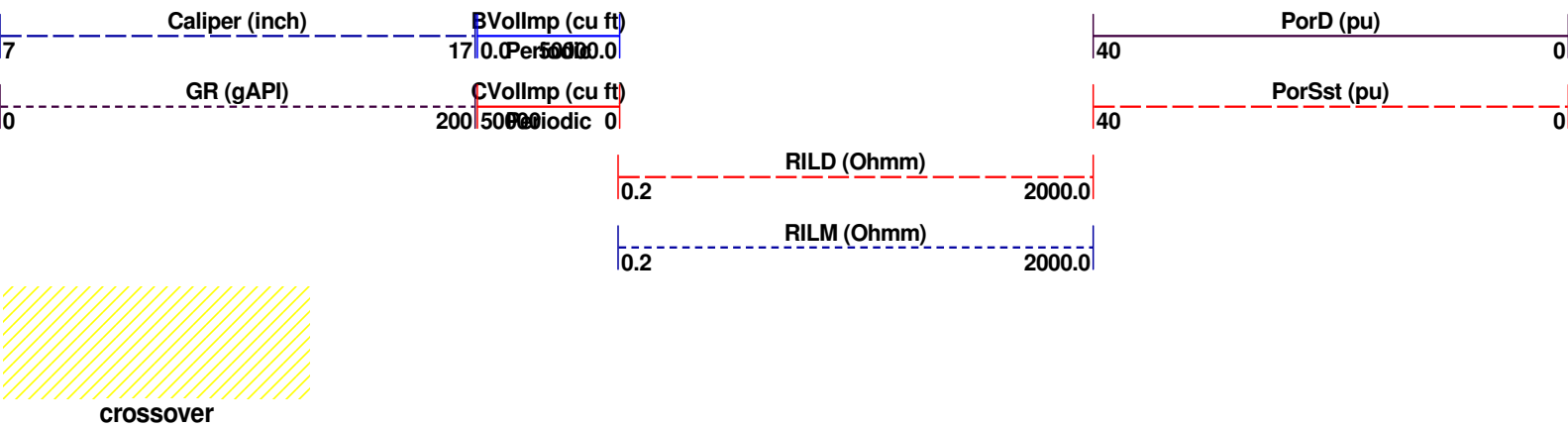
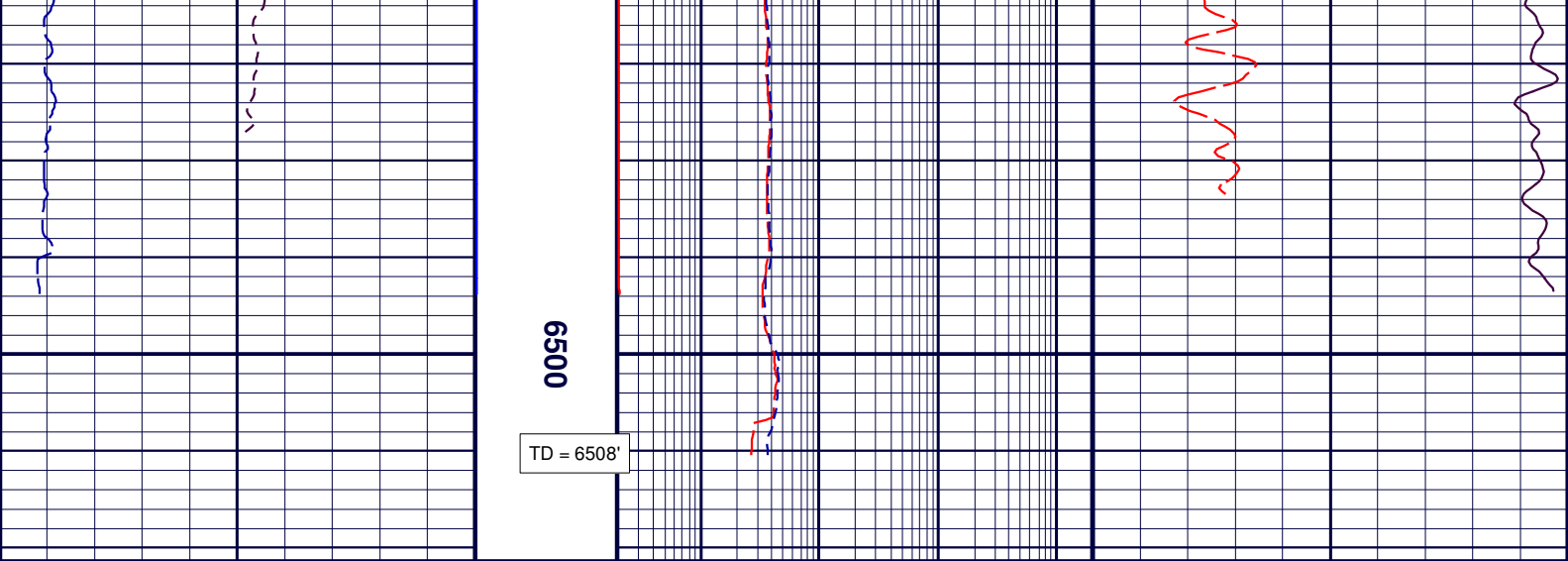












File : C:\Welldata\2-014104\_EXTRACTION\_WIND\_6\2015183.cvf

Tool name : **Tension**      Asset : **2015183**      Series : **Tension**      Source ID :

**Tension**

**Two Point Calibration**

Time      Jan / 11 / 2013 14:32:00

Setup

Description

Setup Version      00000

Curve Name	pt	Raw Value	User Value	Device	Mult.	Add.
<b>Tension</b>	<b>1</b>	<b>800</b>	<b>0 N</b>		<b>1.886805</b>	<b>-1509.444</b>
<b>Tension</b>	<b>2</b>	<b>24375.3</b>	<b>44482 N</b>			

File : C:\Welldata\2-014104\_EXTRACTION\_WIND\_6\AFC\_1831A\_023.cvf

Tool name : **TCMRT**      Asset : **023**      Series : **1831A**      Source ID :

**Tension**

**Tension Calibration**

Time

Setup

Description

Setup Version      00000

Curve Name	pt	Raw Value	User Value	Device	Mult.	Add.
CHT	1	0 N	0 N		1.000000	0.000
	2	1 N	1 N			

File : C:\Welldata\2-014104\_EXTRACTION\_WIND\_6\AFC\_0930A\_024.cvf

Tool name : **Telemetry**
Asset : **024**
Series : **0930A**
Source ID :

GR

Gamma Calibration

Time Feb / 03 / 2015 10:05:17  
Setup  
Description  
Setup Version 00001

Block	Raw Value	User Value	Device	Device SN	Mult.
Background	99.7892				
Jig ON	616.692				
Gamma	516.9028	150.0002 gAPI			0.2901903

Gamma Primary Verification

Time Mar / 27 / 2015 17:51:40  
Setup  
Description API Test Pit  
Setup Version 00001

Block	Device	Device SN	Raw Value	User Value
Background			68.7879	
Jig ON			586.86	
Gamma				150.3394 gAPI

File : C:\Welldata\2-014104\_EXTRACTION\_WIND\_6\AFC\_1468A\_015.cvf

Tool name : **Compensated Neutron**
Asset : **015**
Series : **1468A**
Source ID :

CN

Compensated Neutron Calibration

Time May / 25 / 2015 09:46:43  
Setup  
Description v5\_91 May 25  
Setup Version 00001

Curve Name	pt	Raw Value	User Value	Device	Mult.
Ratio	1	4.44222	4.94 none		1.112056

File : C:\Welldata\2-014104\_EXTRACTION\_WIND\_6\AFC\_1486A\_014.cvf

Tool name : **PE Density Microlog**
Asset : **014**
Series : **1486A**
Source ID :

Peak

**ZDL Peak Calibration**

Time Apr / 09 / 2015 11:03:08

Setup

Description PEAL CAL 9 APRIL

Setup Version 00001

Block	Channel	Energy (keV)	Device
Am241	23.156	59.5	
Cs137	217.966	661.6	

	60-100 keV	100-140 keV	140-200 keV	200-540 keV
Background	185.507	241.949	462.883	1336.43

Tool name : **PE Density Microlog**Asset : **014**Series : **1486A**

Source ID :

**PeDen****PeDen Calibration**

Time Apr / 09 / 2015 12:15:49

Setup

Description

Setup Version 00001

## Raw Values

## Device Values

	SSD	LSD	SHR	DEN	CORR	PE
MG	17419.9 cps	11732.9 cps	0.709 0.700 0.900	1.649 g/ccm	0.000 g/ccm	2.14 b/e
AL	9273.0 cps	1593.8 cps		2.550 g/ccm	0.000 g/ccm	
AL + Mg Shim	12791.7 cps	2697.9 cps		2.488 g/ccm	0.120 g/ccm	
MG + St Shim		5333.6 cps	0.279 0.250 0.320			10.31 b/e
Ratio MG/AL	1.88 none 1.50 2.00	7.36 none 6.80 8.50				
Spine Angle	72.5 deg 72.0 75.0	Rib Angle	54.4 deg 52.0 55.0			

**PeDen Primary Verification**

Time Apr / 09 / 2015 16:29:56

Setup

Description

Setup Version 00001

Curve Name	pt	Device	Device Value	User Value
SSD	1			407.185 cps
LSD	1			255.834 cps
ZDEN	1			0.509153 g/cc
ZCOR	1			-1.96403 g/cc
SHR	1			0.229596 none
PE	1			13.3369 b/e

Tool name : **PE Density Microlog**Asset : **014**Series : **1486A**

Source ID :

**RNML****Resistivity Calibration**

Time Mar / 12 / 2015 16:46:04



Setup  
Description  
Setup Version 00001

Curve Name	pt	Raw Value	User Value	Device	Mult.	Add.
<b>RNML</b>	<b>1</b>	<b>-0.00171871</b>	<b>0 Ohmm</b>		<b>1.515284</b>	<b>0.003</b>
	<b>2</b>	<b>88.6945</b>	<b>134.4 Ohmm</b>			

Tool name : **PE Density Microlog**      Asset : **014**      Series : **1486A**      Source ID :

RLML

Resistivity Calibration

Time Mar / 12 / 2015 16:46:33  
Setup  
Description  
Setup Version 00001

Curve Name	pt	Raw Value	User Value	Device	Mult.	Add.
<b>RLML</b>	<b>1</b>	<b>0.0149555</b>	<b>1 Ohmm</b>		<b>0.893583</b>	<b>0.987</b>
	<b>2</b>	<b>186.903</b>	<b>168 Ohmm</b>			

Tool name : **PE Density Microlog**      Asset : **014**      Series : **1486A**      Source ID :

Caliper

Caliper Calibration

Time Apr / 09 / 2015 16:09:17  
Setup  
Description  
Setup Version 00001

Curve Name	pt	Raw Value	User Value	Device	Mult.	Add.
<b>Caliper</b>	<b>1</b>	<b>6.39051</b>	<b>6 inch</b>		<b>0.788563</b>	<b>0.961</b>
	<b>2</b>	<b>19.0718</b>	<b>16 inch</b>			

File : C:\Welldata\2-014104\_EXTRACTION\_WIND\_6\AFC\_1141A\_013.cvf

Tool name : **DIL**      Asset : **013**      Series : **1141A**      Source ID :

Deep

Conductivity Calibration

Time Jun / 18 / 2015 09:46:51  
Setup  
Description shop\_June17 13el\_14man  
Setup Version 00001

Curve Name	pt	Raw Value	User Value	Device	Mult.	Add.
<b>CILDRaw</b>	<b>1</b>	<b>-2.69737 mV</b>	<b>0 mS/m</b>		<b>0.839323</b>	<b>2.264</b>
	<b>2</b>	<b>474.592 mV</b>	<b>400.6 mS/m</b>			

Tool name : **DIL**      Asset : **013**      Series : **1141A**      Source ID :

GwD

Array Calibration

Time

Setup

Description

Setup Version

00000

No Value

01: 0

No Value

No Value

No Value

No Value

No Value

Tool name : **DIL**

Asset : **013**

Series : **1141A**

Source ID :

**CLL8**

**Conductivity Calibration**

Time

Jun / 18 / 2015 10:23:50

Setup

Description

Setup Version

00001

Curve Name

pt

Raw Value

User Value

Device

Mult.

Add.

**CLL8** 1 **518.032 mV** **500 mmho**

**0.965664** **-0.245**

2 **1.28921 mV** **1 mmho**

Tool name : **DIL**

Asset : **013**

Series : **1141A**

Source ID :

**Medium**

**Conductivity Calibration**

Time

Jun / 18 / 2015 09:54:03

Setup

Description

shop\_Jun 9 14el\_14mand

Setup Version

00001

Curve Name

pt

Raw Value

User Value

Device

Mult.

Add.

**CILMRaw** 1 **-1.24249 mV** **0 mS/m**

**0.981046** **1.219**

2 **468.664 mV** **461 mS/m**

Tool name : **DIL**

Asset : **013**

Series : **1141A**

Source ID :

**GwM**

**Array Calibration**

Time

Setup

Description

Setup Version

00000

No Value

01: 0

No Value

No Value

No Value

No Value

No Value