 <b>Weatherford®</b>				<b>RAPTOR NVISION LOG</b>			
COMPANY WELL FIELD PROVINCE/COUNTY COUNTRY/STATE LOCATION				CAERUS OIL & GAS PUCKETT 33C-26 GRAND VALLEY GARFIELD USA / COLORADO			
SEC 26	TWP 06S	RGE 97W	Other Services SBT				
Latitude Longitude API Number			Elevations: KB 8426.00 DF 8426.00 GL 8396.00				
Permanent Datum GROUND LEVEL, Elevation 8396 feet							
Log Measured From KB, 30.00 feet above Permanent Datum							
Drilling Measured From KB							
Date	15-MAY-2017	PERFORATION RECORD					
Run Number	ONE	Shot	Number	Depth From	Depth To		
Service Order	182093457	Density	of Shots	feet	feet		
Type Log	CREB						
Depth Driller	9178.00						
Depth Logger	9152.00						
Top Log Interval	5000.00						
Bottom Log Interval	9178.00						
Hole Fluid Type	WATER						
Hole Fluid Level	0.00						
Restriction ID	3.875						
Max Recorded Temp	233.00						
Well Head Pressure	0.00						
Well Head Equipment	N/A						
Time Well Ready	ROA						
Time Logger Bottom	1100						
Unit	14333						
Equipment Name	WSS-E						
Base	CASPER						
Recorded By	P. MAZUR						
Witnessed By	NOT WITNESSED						

CASING / TUBING RECORD						
Type	Grade	TypeJoint	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
			4.500	0.00	8976.00	11.60

REMARKS
SOFTWARE VERSION 17.01.6744 - DEVELOPMENT BUILD VERSION
ALL DEPTH CONTROL PROCEDURES FOR SUBSEQUENT RUN IN HOLE WERE FOLLOWED. LOG RUN FROM 30' K.B.
SURFACE SYSTEM USED: WCM-D 307
TOOLS RUN: WCCC, UGRK, QPGE, TMPN, CRPB, CRMB, UGRK WERE RAN IN COMBINATION
GAMMA RAY COUNTS ON SUBSEQUENT PASSES ARE AFFECTED BY RESIDUAL NEUTRON ACTIVATION CAUSED BY THE PREVIOUS PASS
BOTTOM HOLE TEMPERATURE WAS DEG. 233F

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH

INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

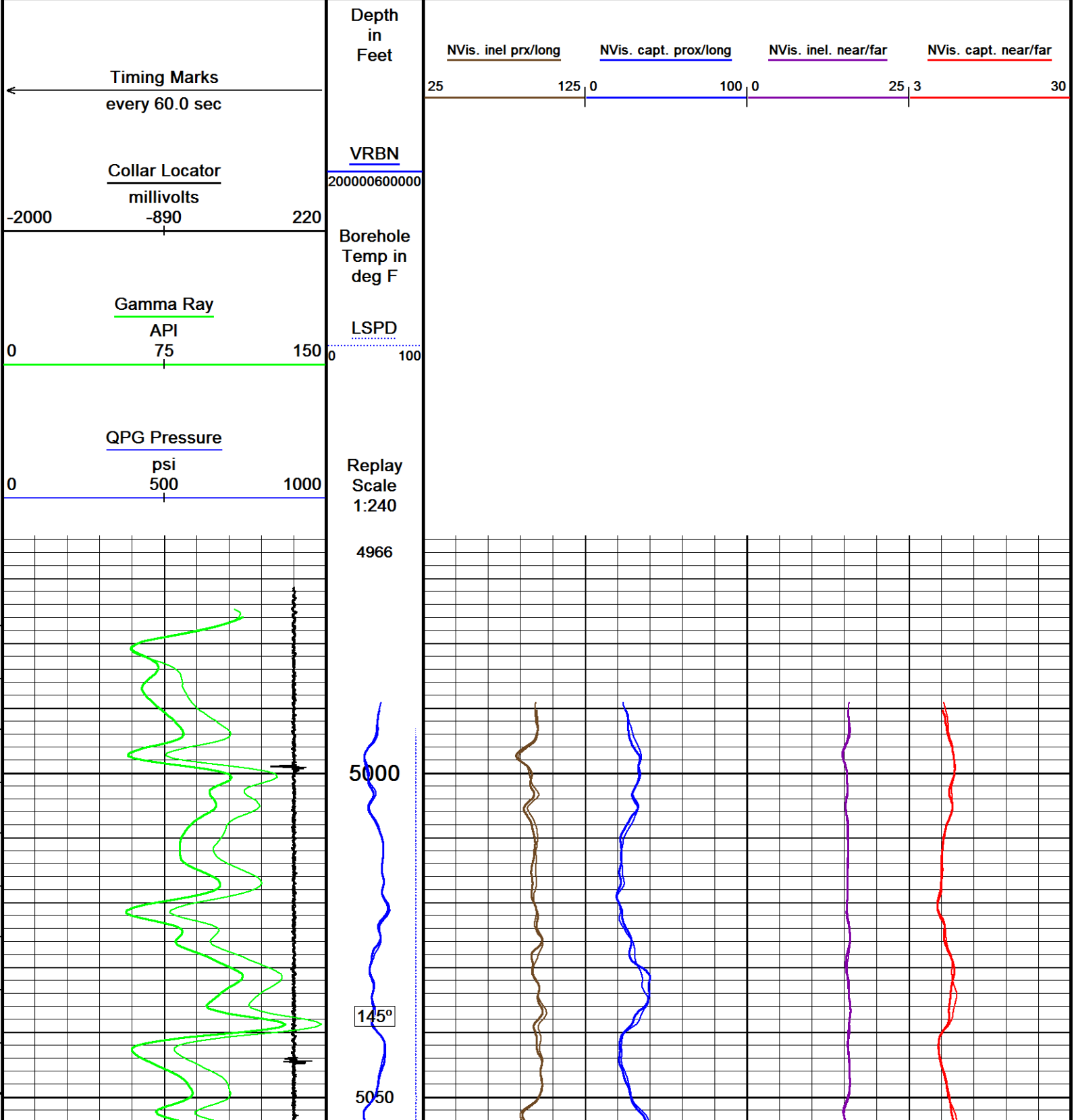
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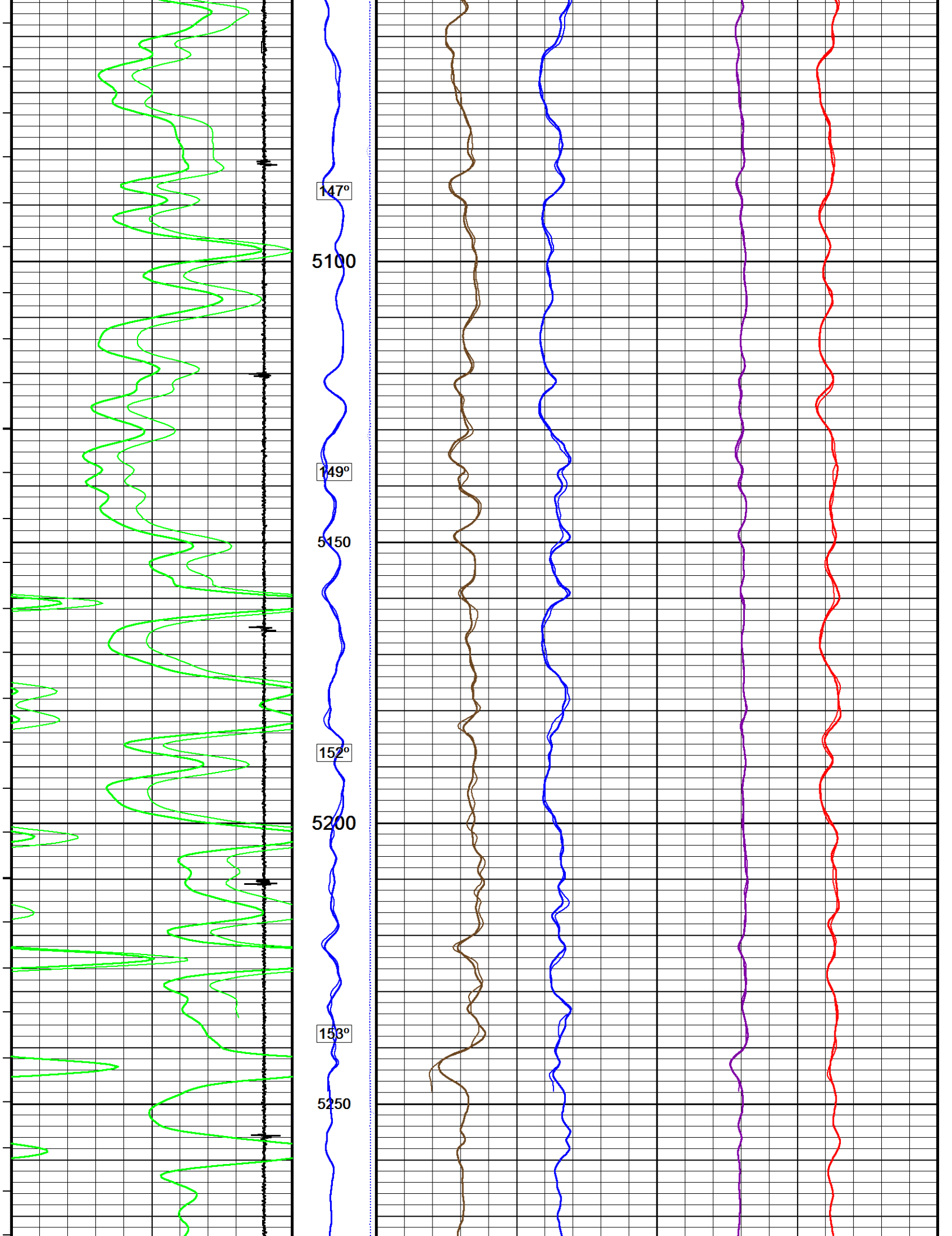
MAIN PASS  
REPEAT PASS

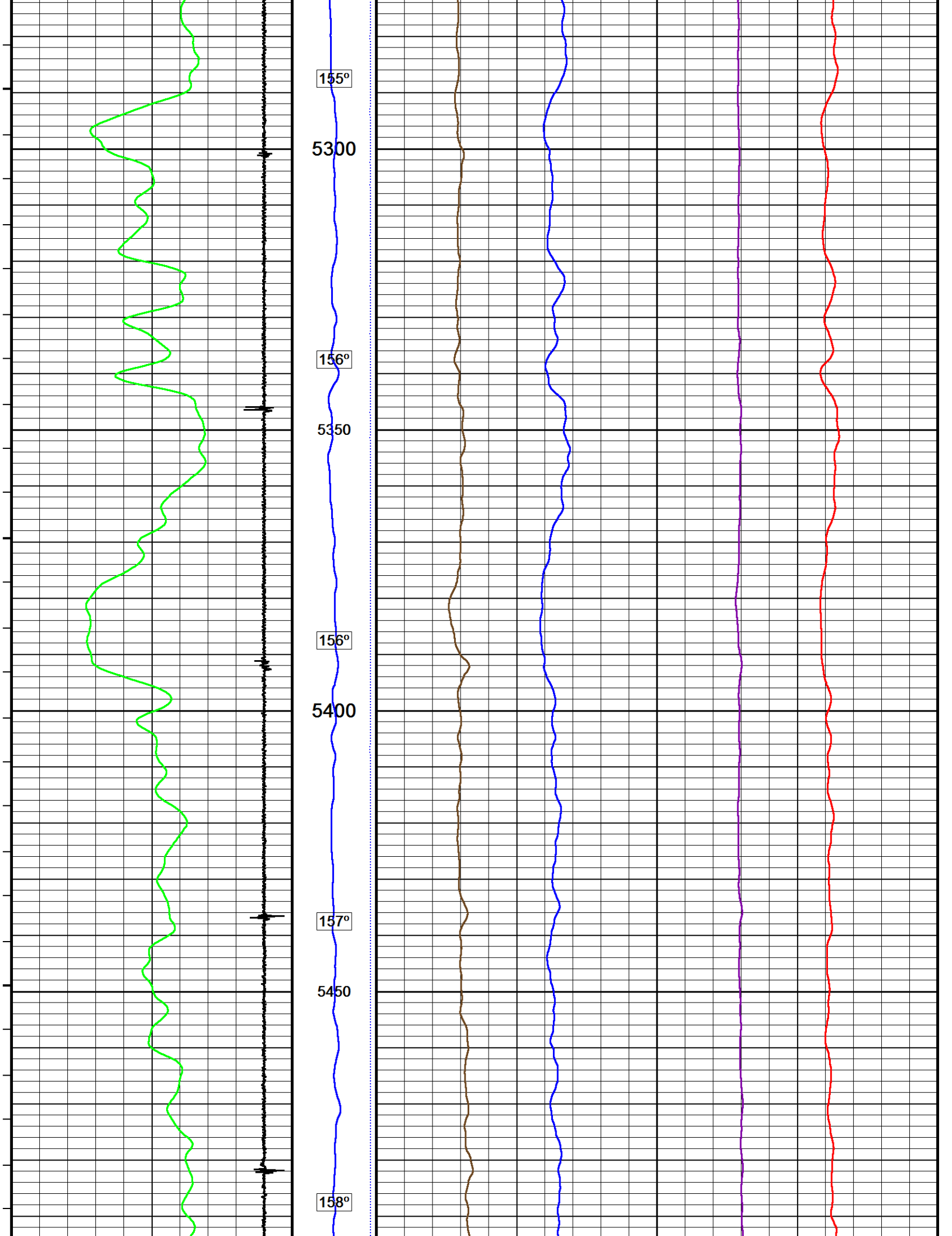
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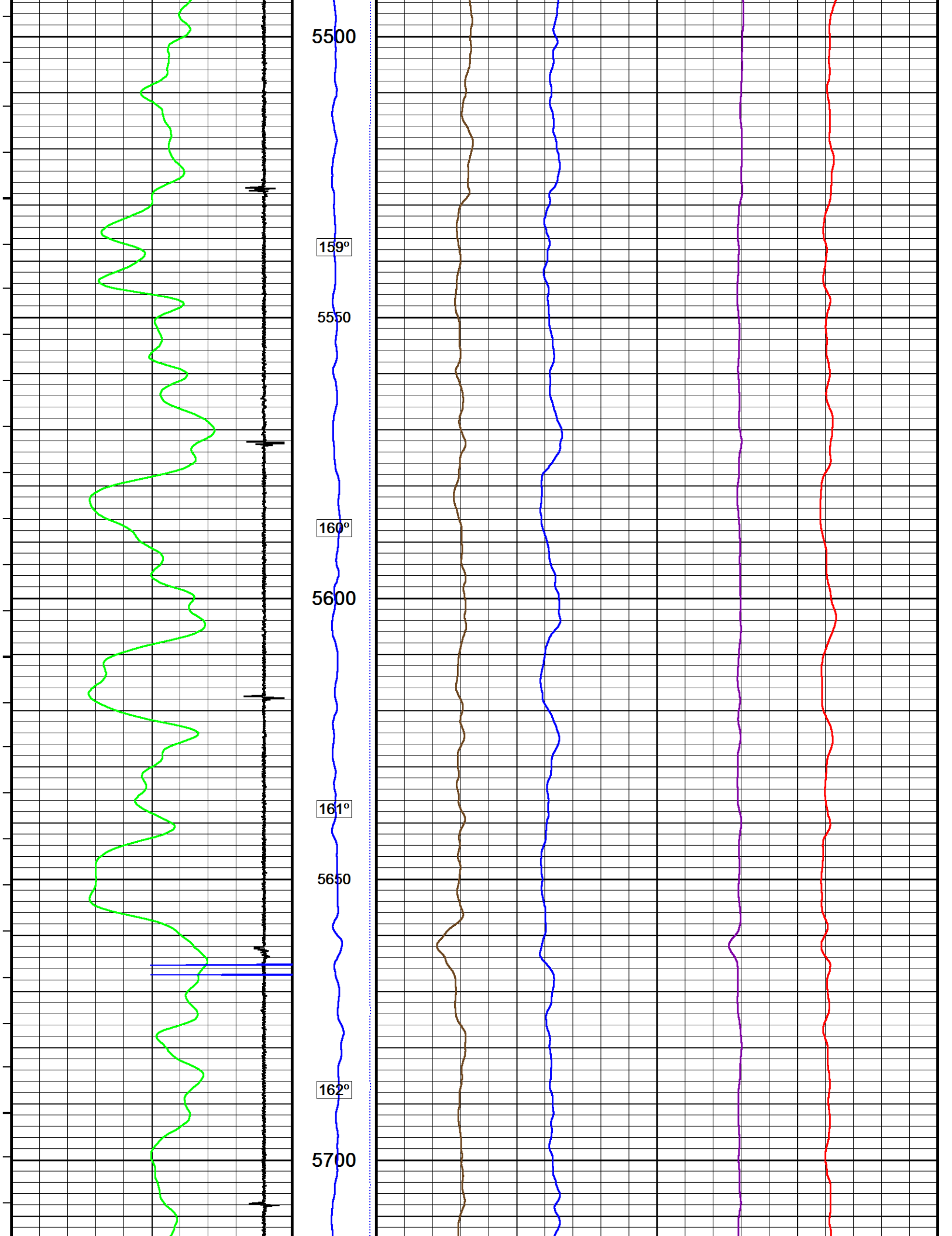
Depth Based Data - Maximum Sampling Increment 12.5cm  
Filename: F:\PUCKETT 33C-26\_CRE\PUCKETT\_33C\_26\_CREB\_NVISION\_MAIN.dta  
Filename: F:\PUCKETT 33C-26\_CRE\PUCKETT\_33C\_26\_CREB\_NVISION\_REPEAT.dta  
System Versions: Logged with 17.01.6744 Plotted with 17.01.6744

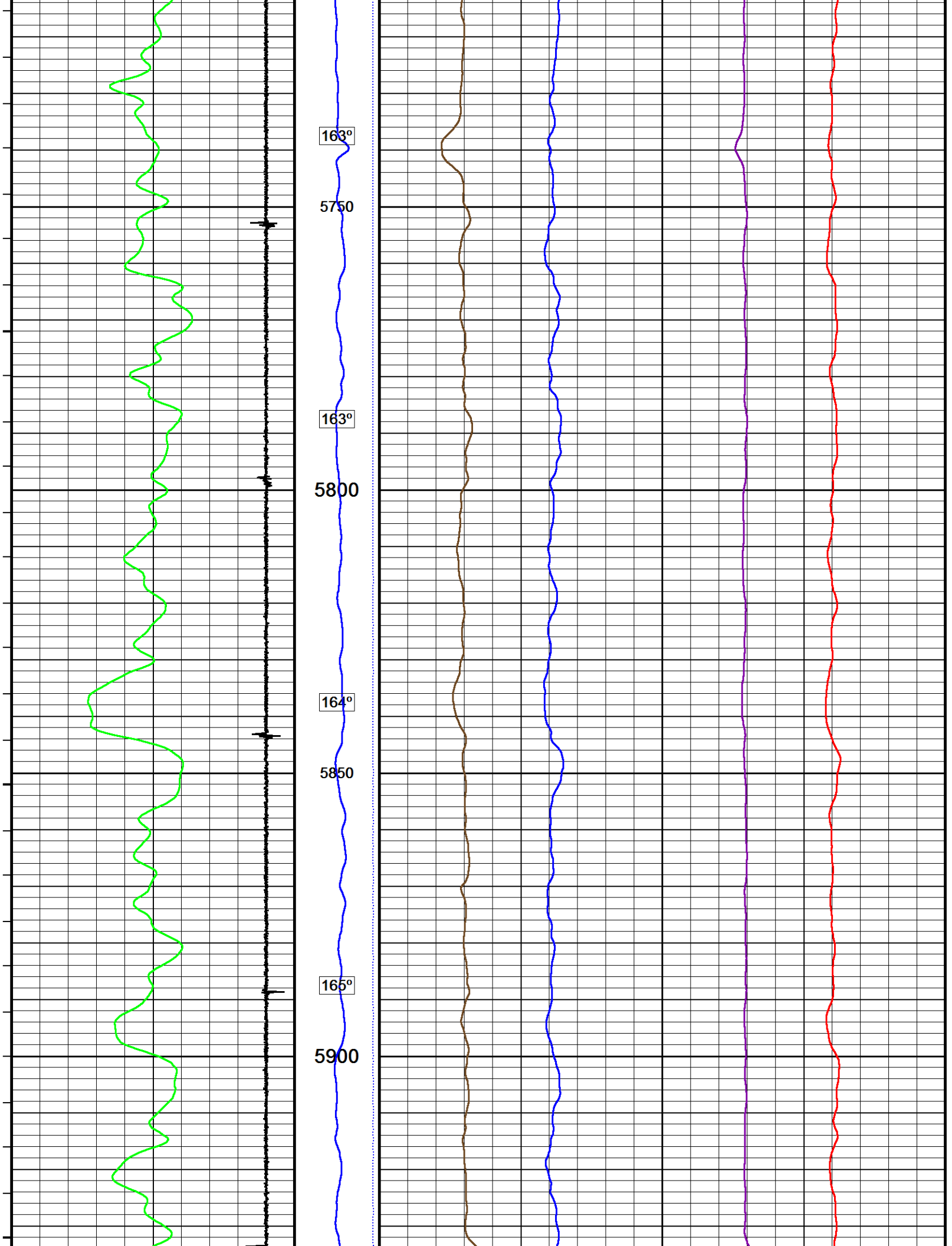
Plotted on 15-MAY-2017 21:11  
Recorded on 15-MAY-2017 11:03  
Recorded on 15-MAY-2017 19:57

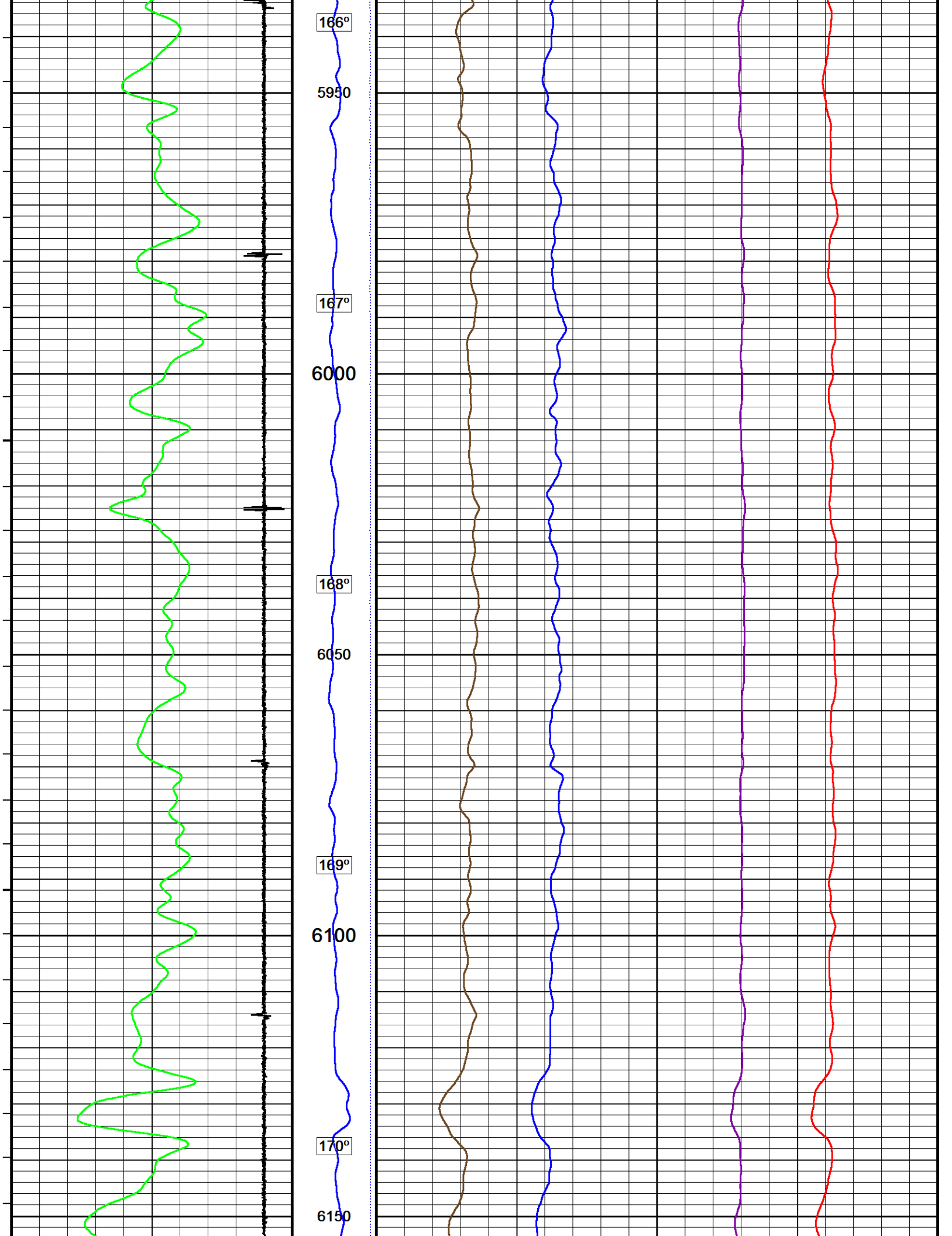


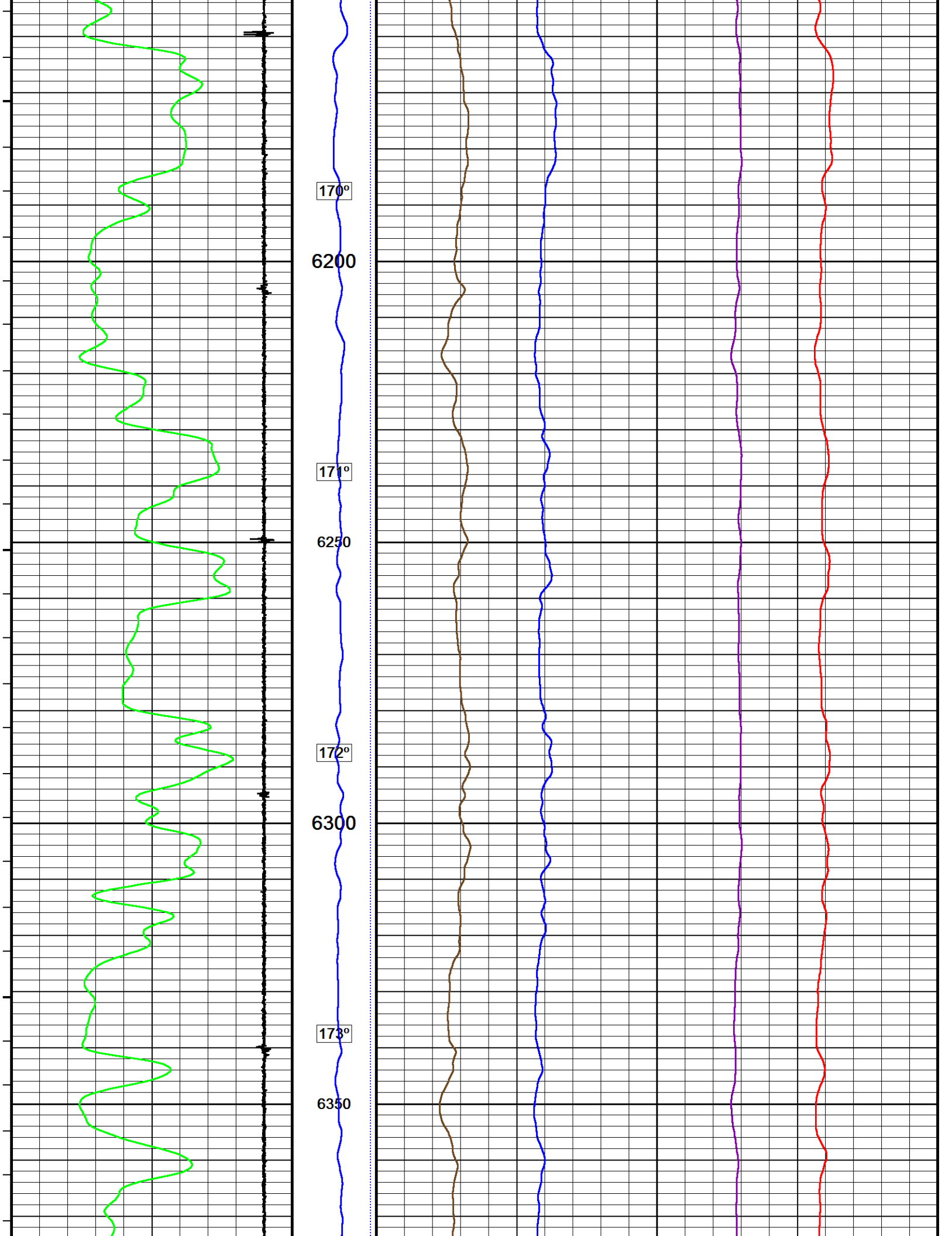




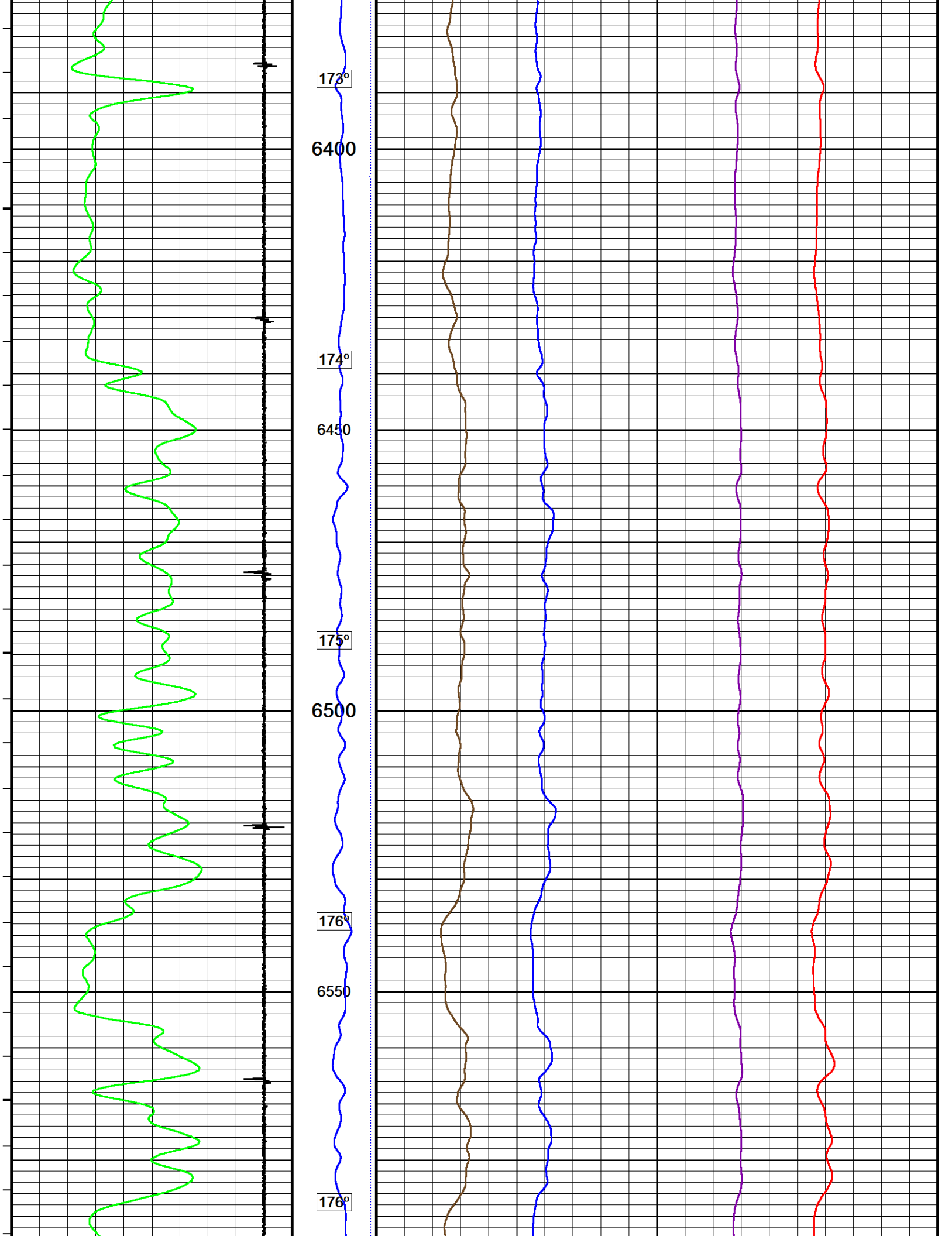


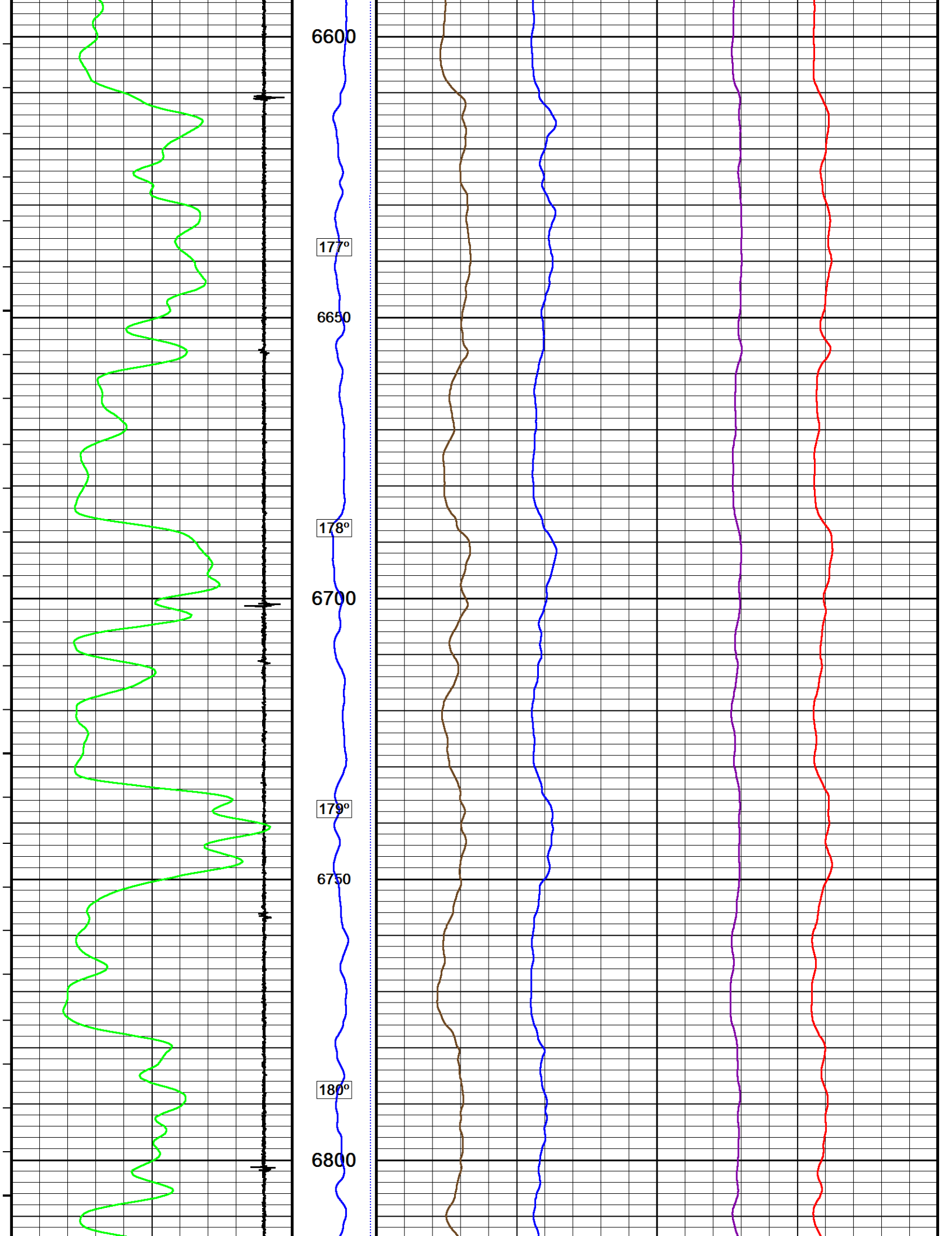


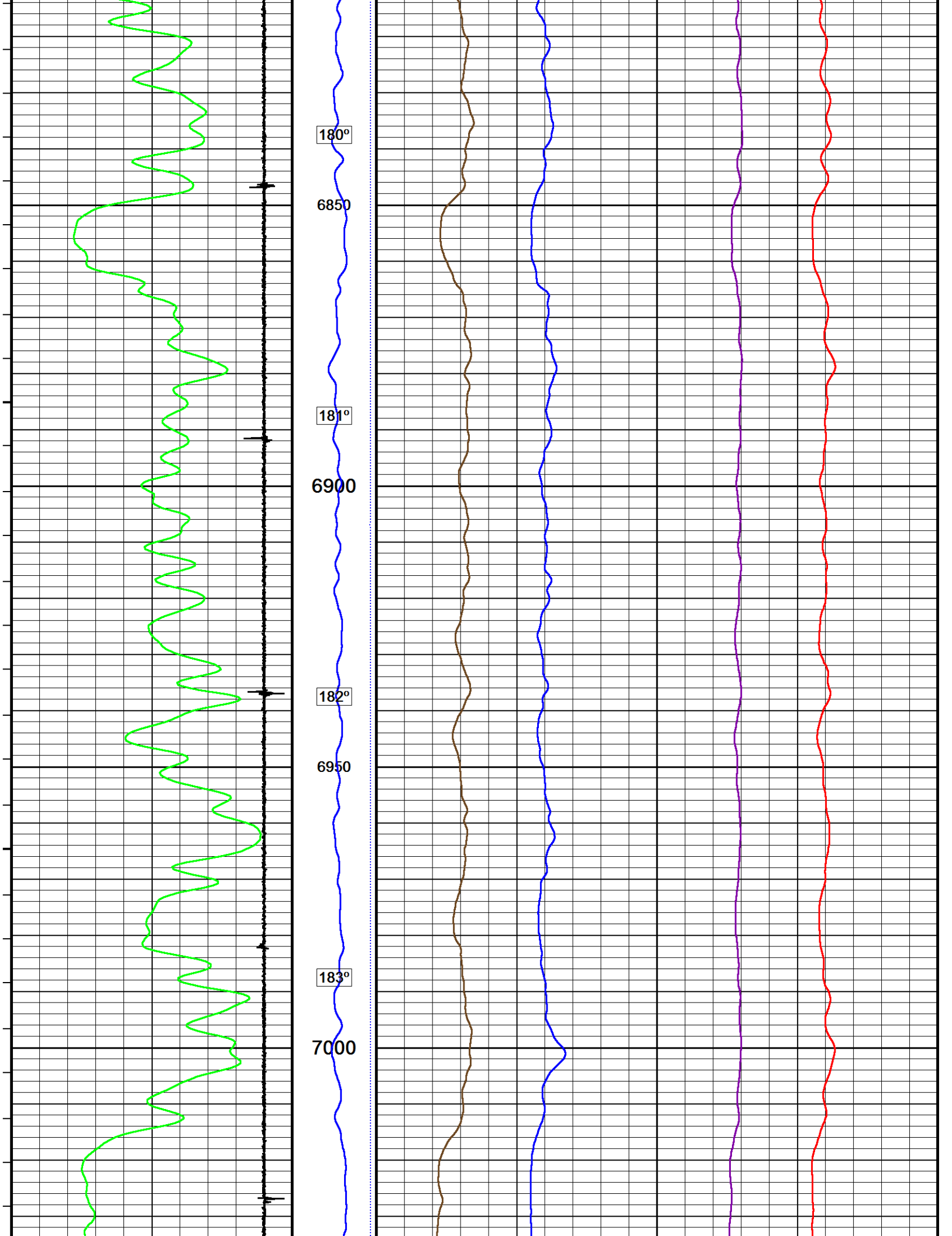


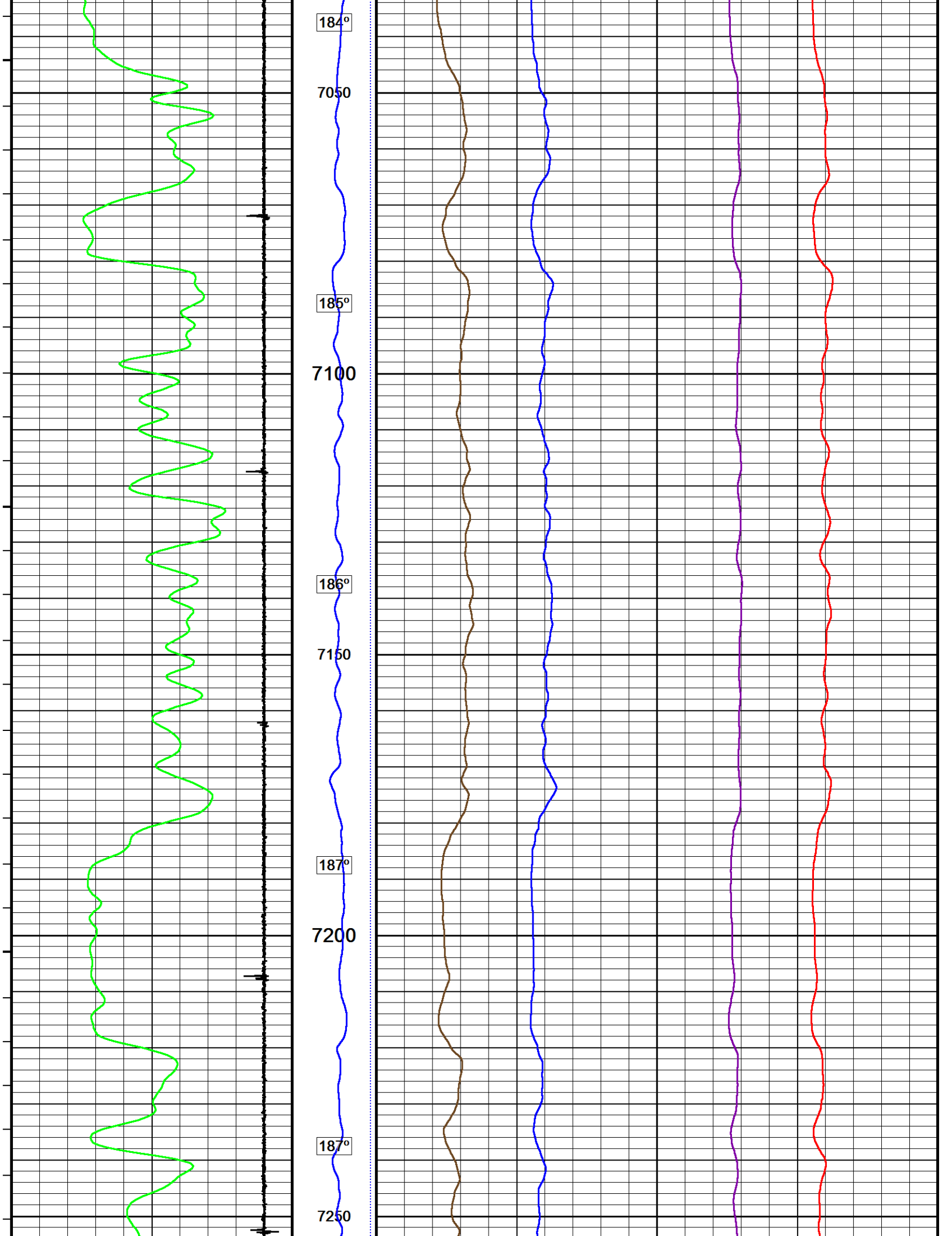


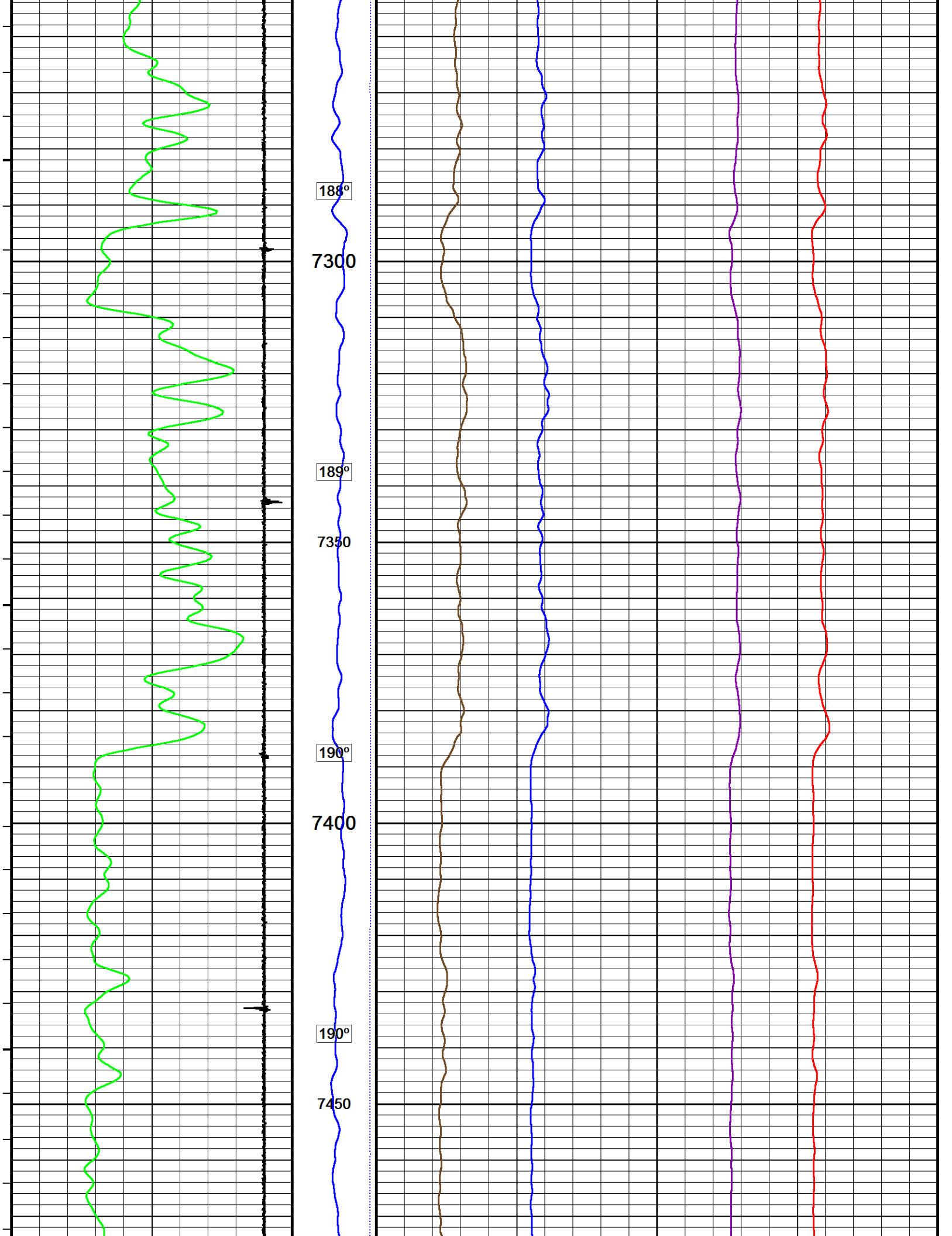


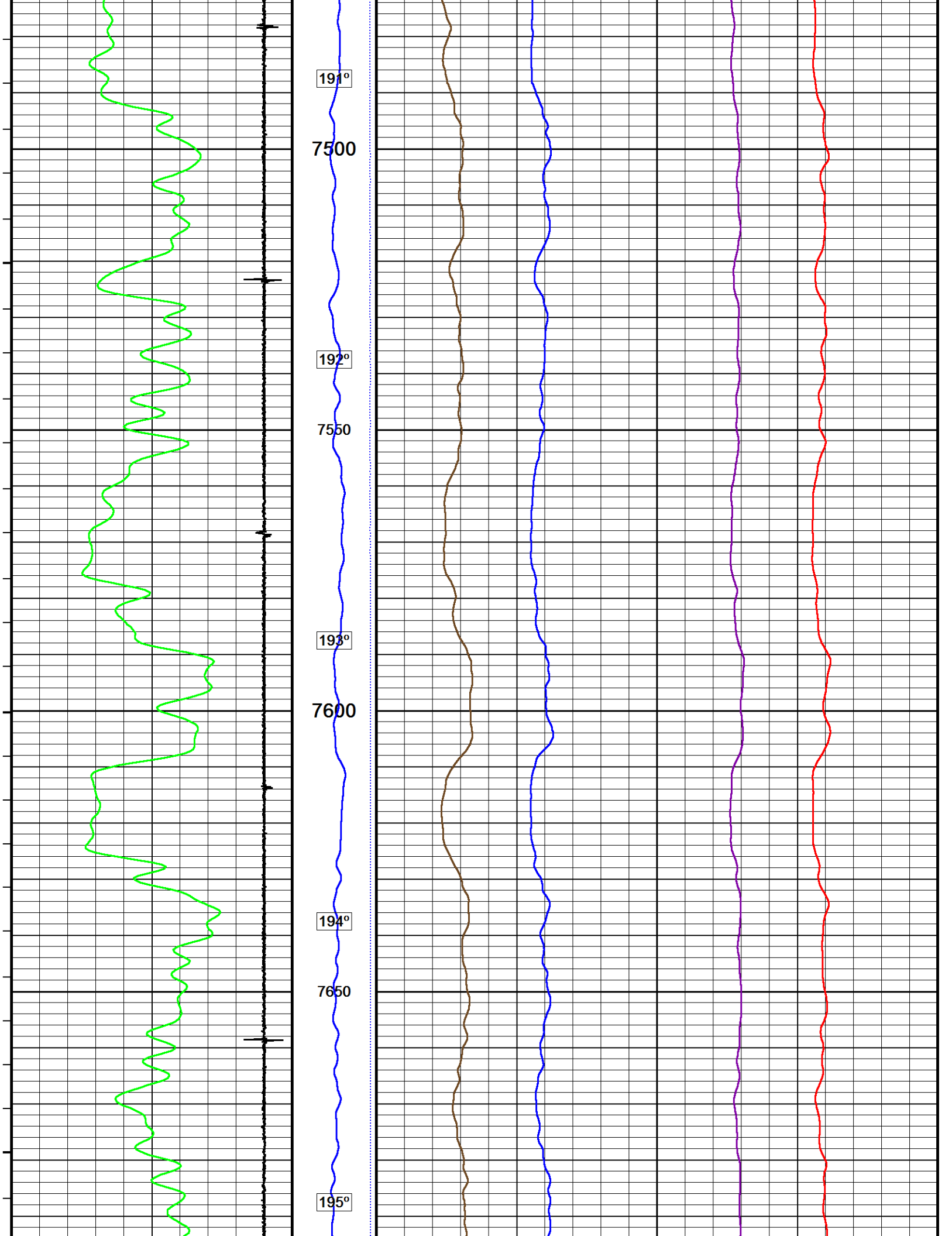


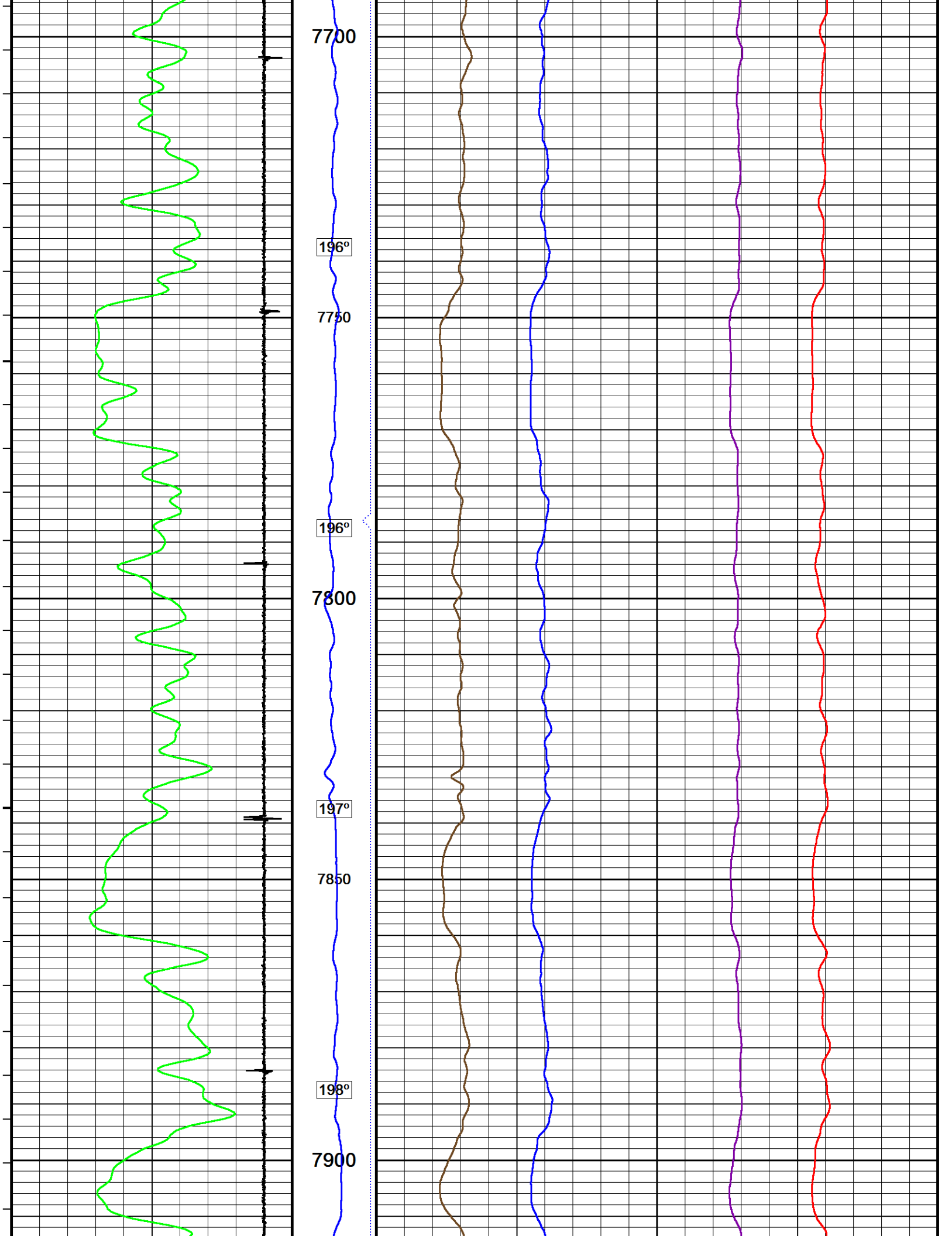


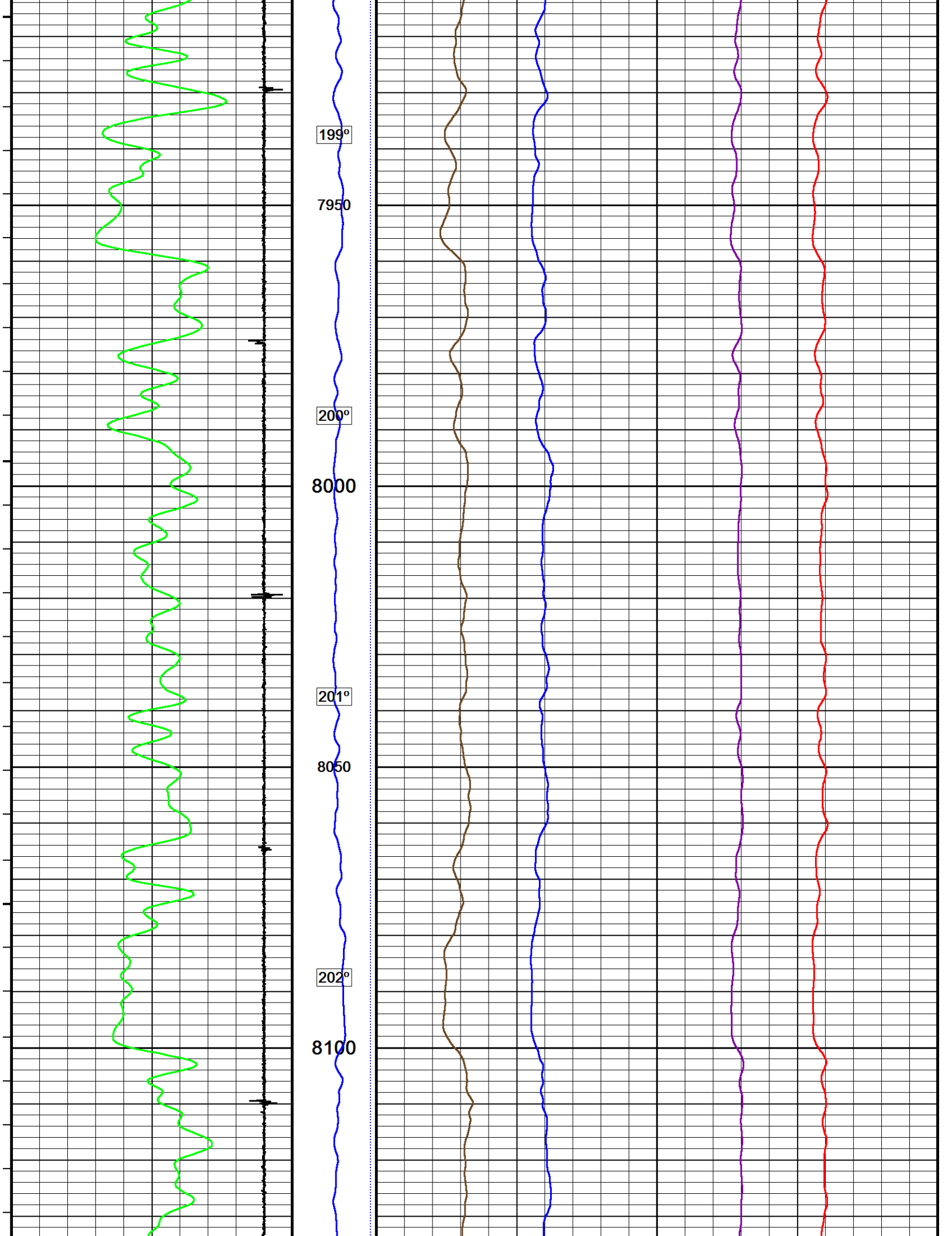




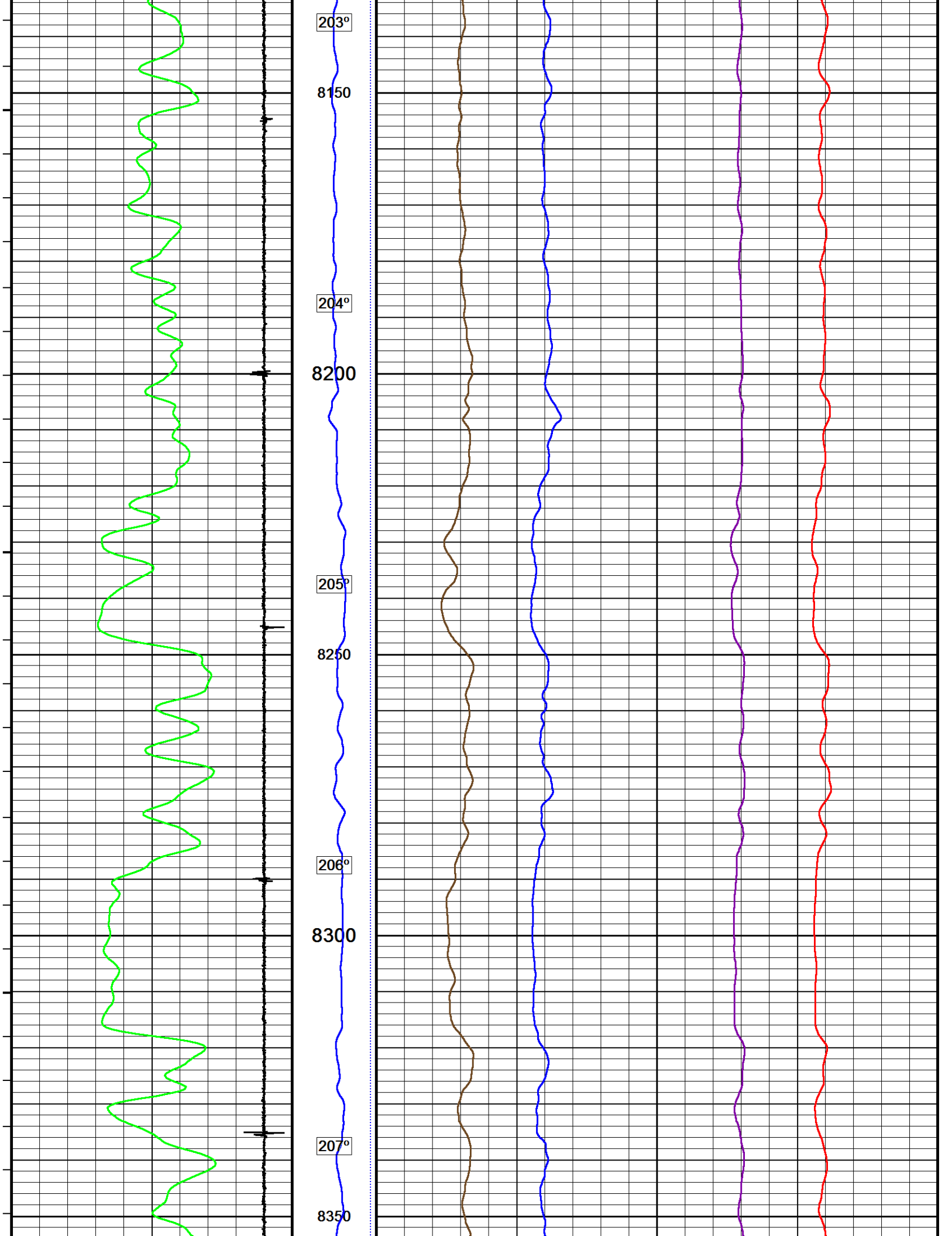


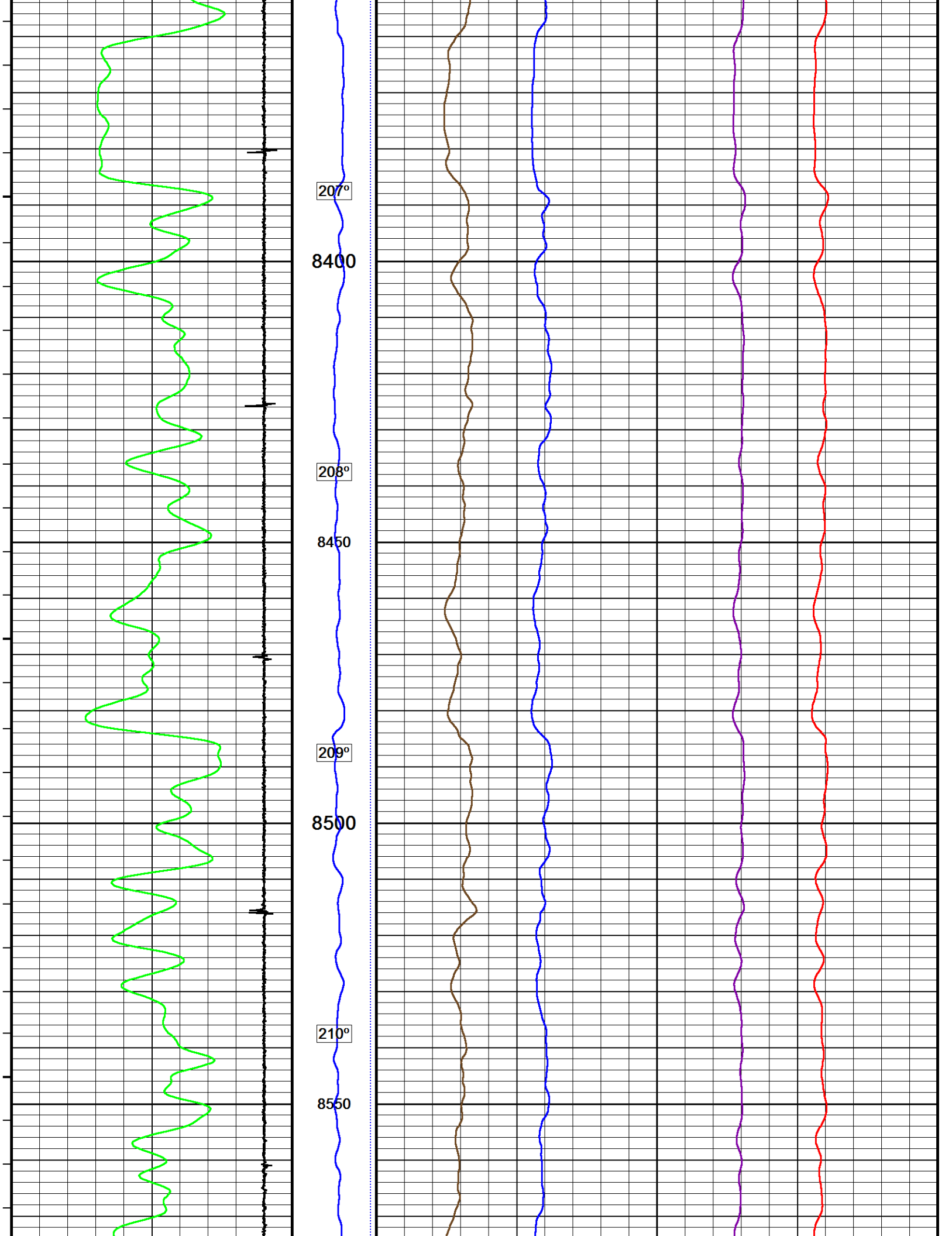


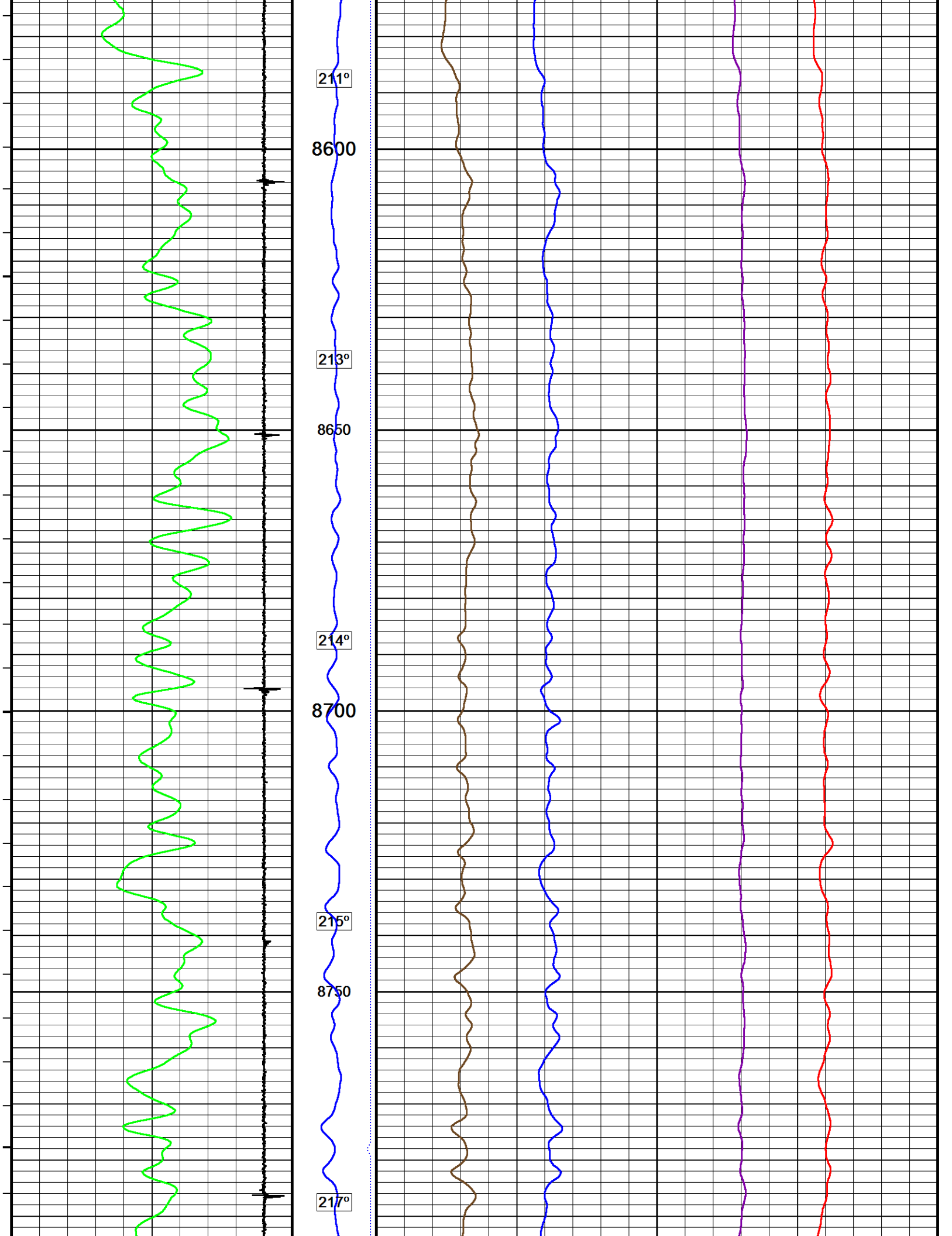


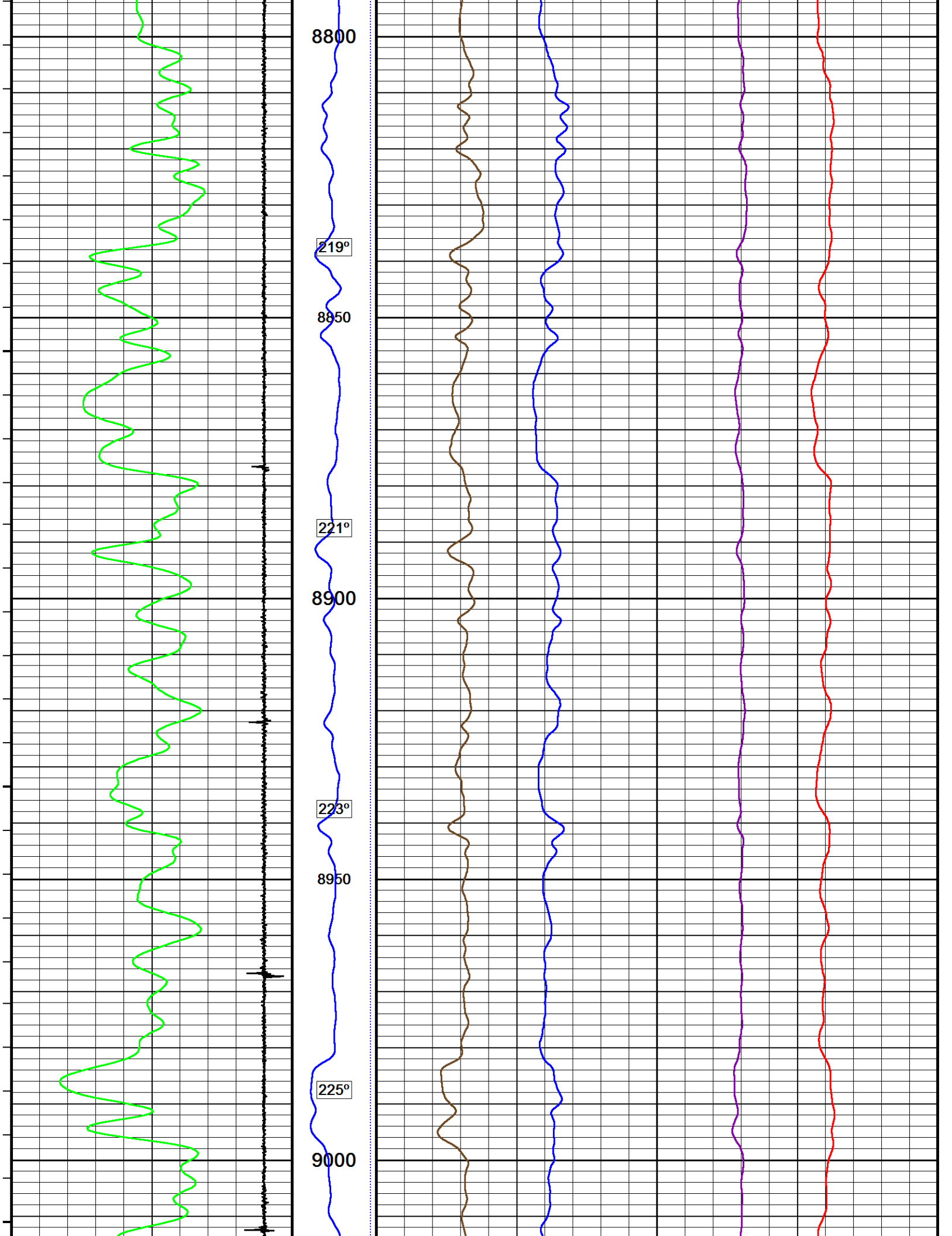


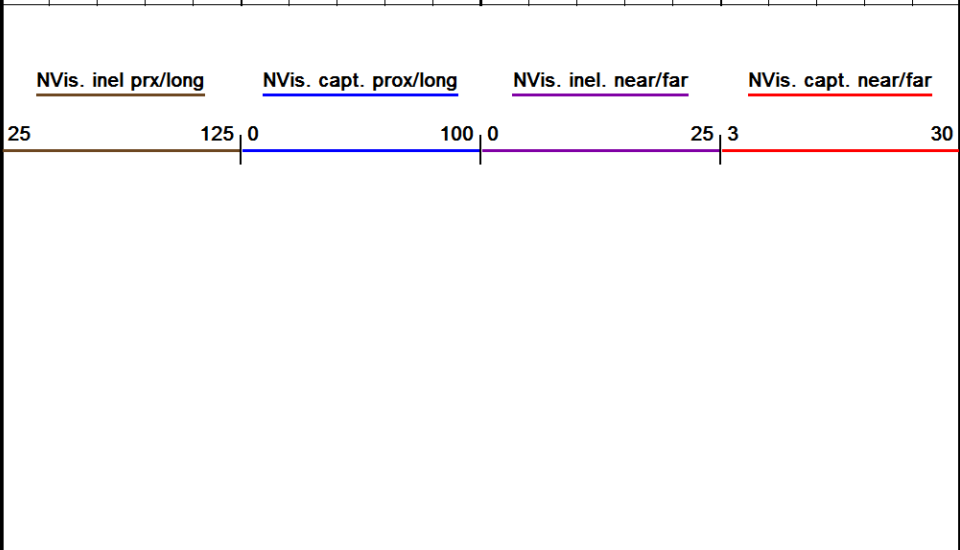
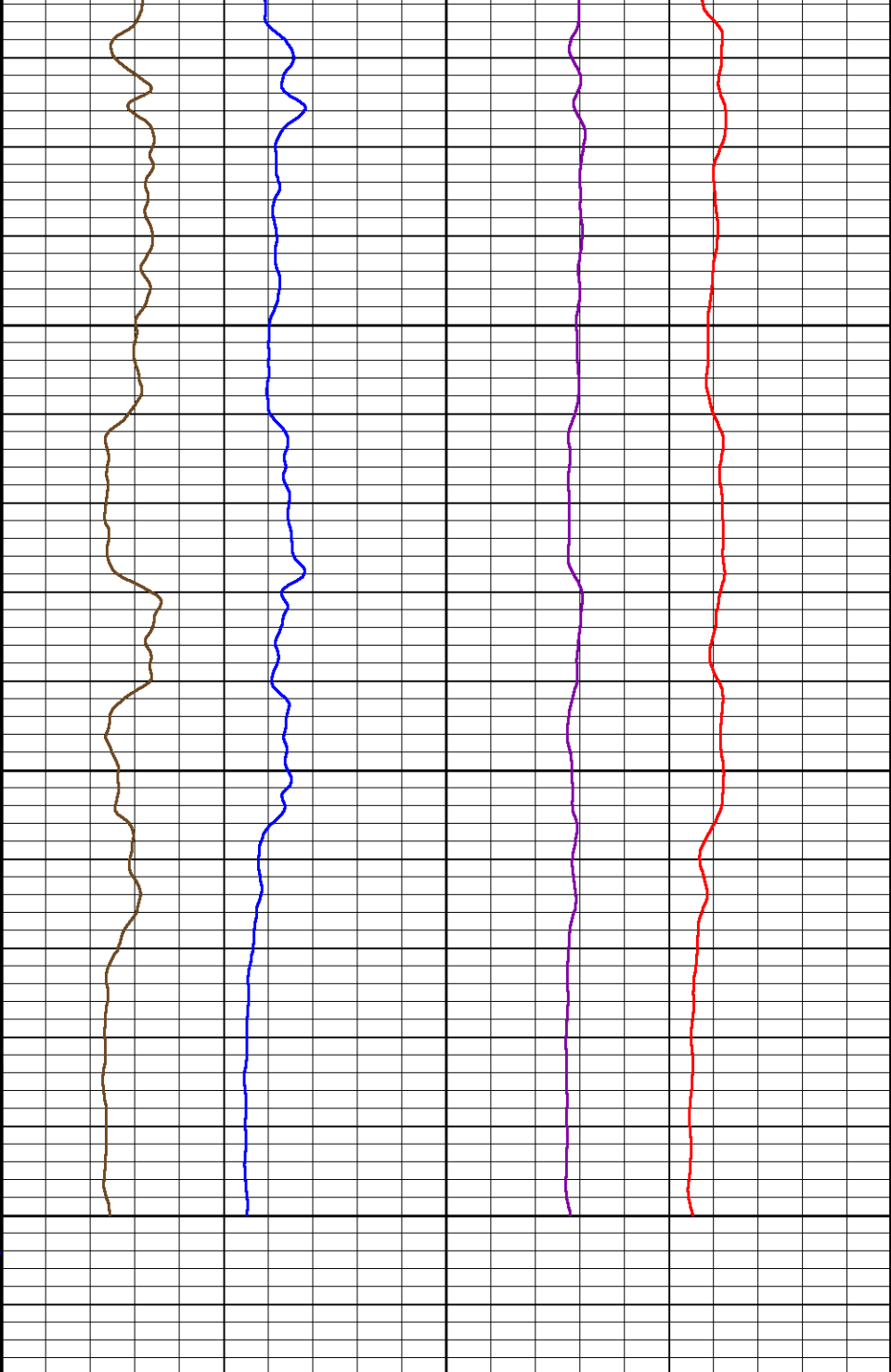
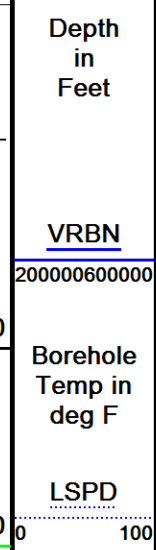
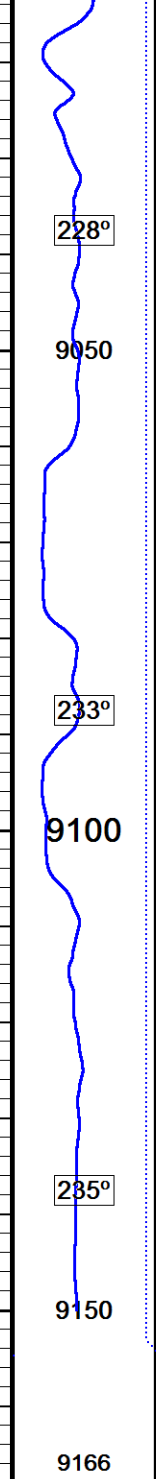
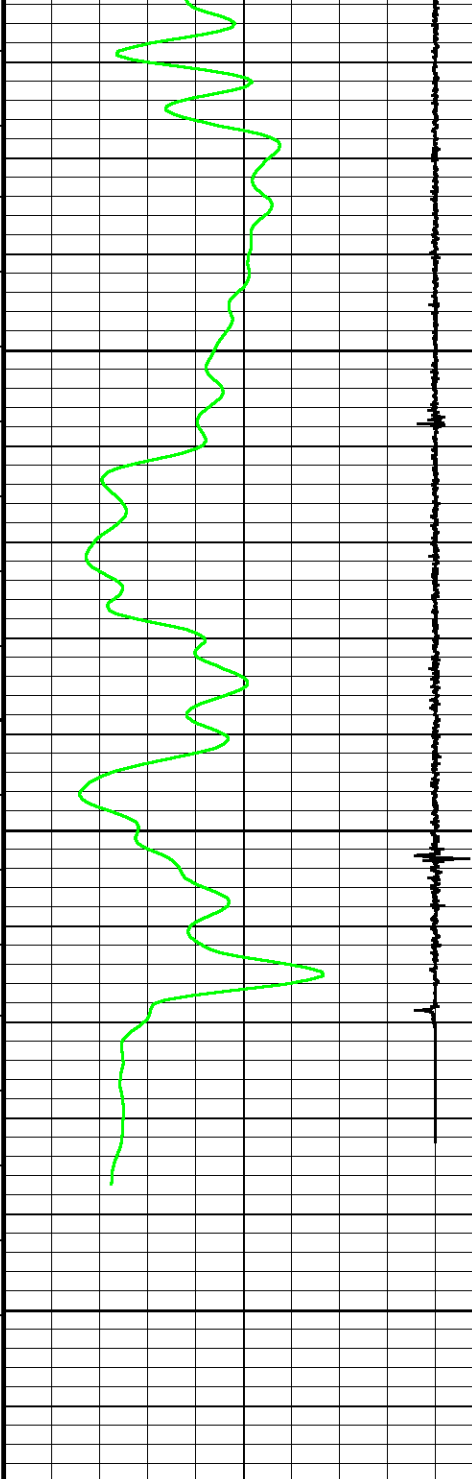




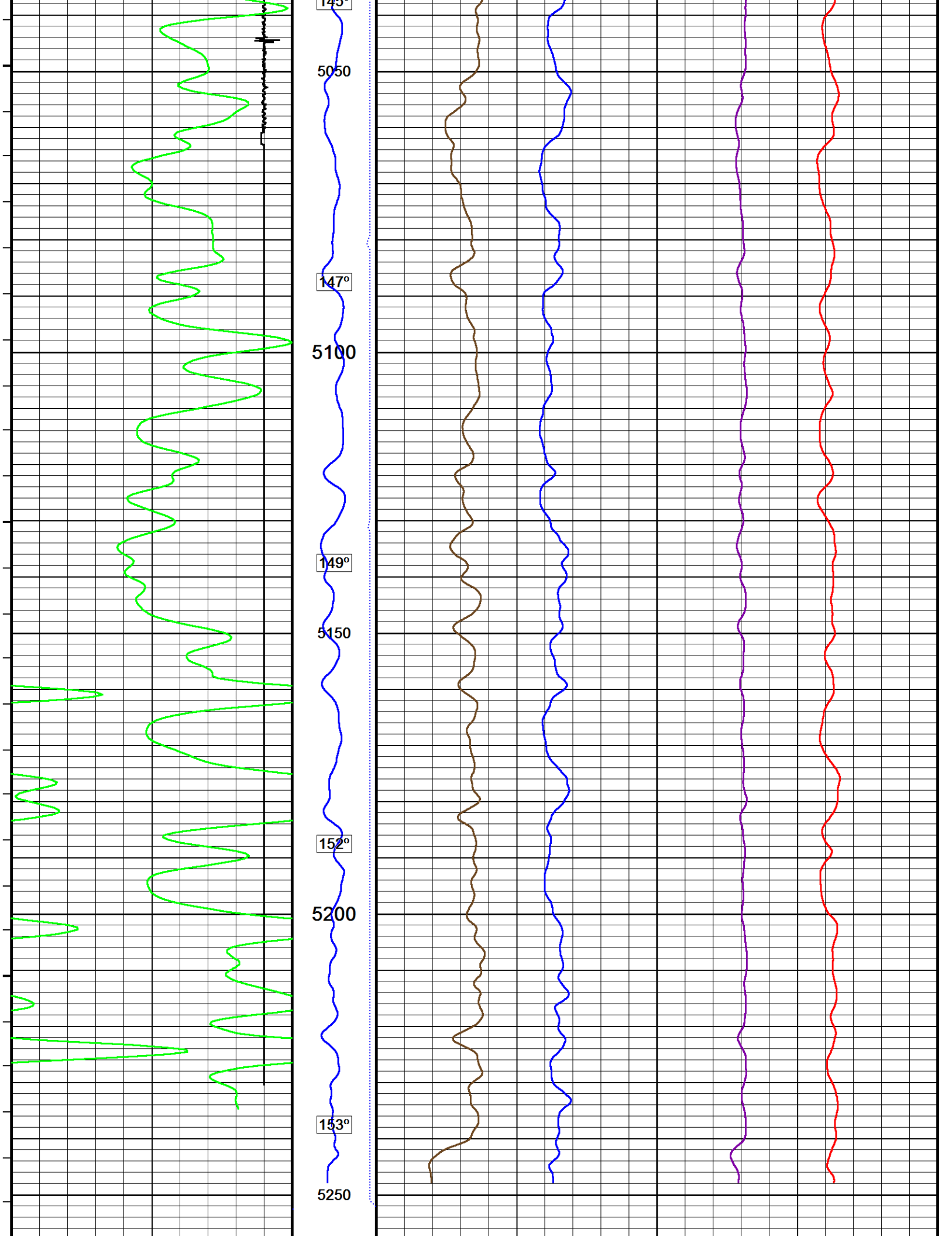


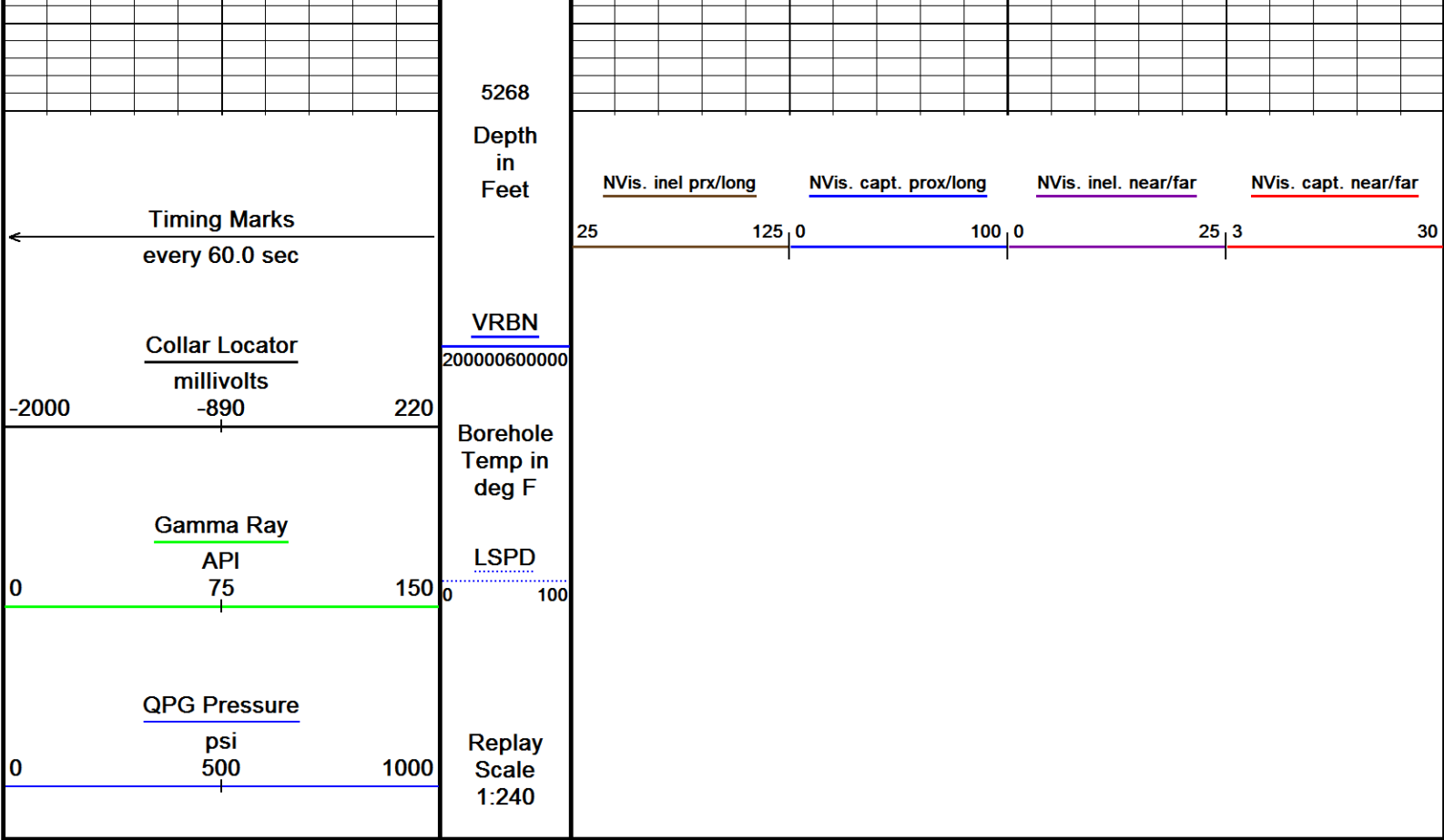












Depth Based Data - Maximum Sampling Increment 12.5cm

Plotted on 15-MAY-2017 21:11

Filename: F:\PUCKETT 33C-26\_CRE\PUCKETT\_33C\_26\_CREB\_NVISION\_REPEAT.dta

Recorded on 15-MAY-2017 19:57

System Versions: Logged with 17.01.6744    Plotted with 17.01.6744

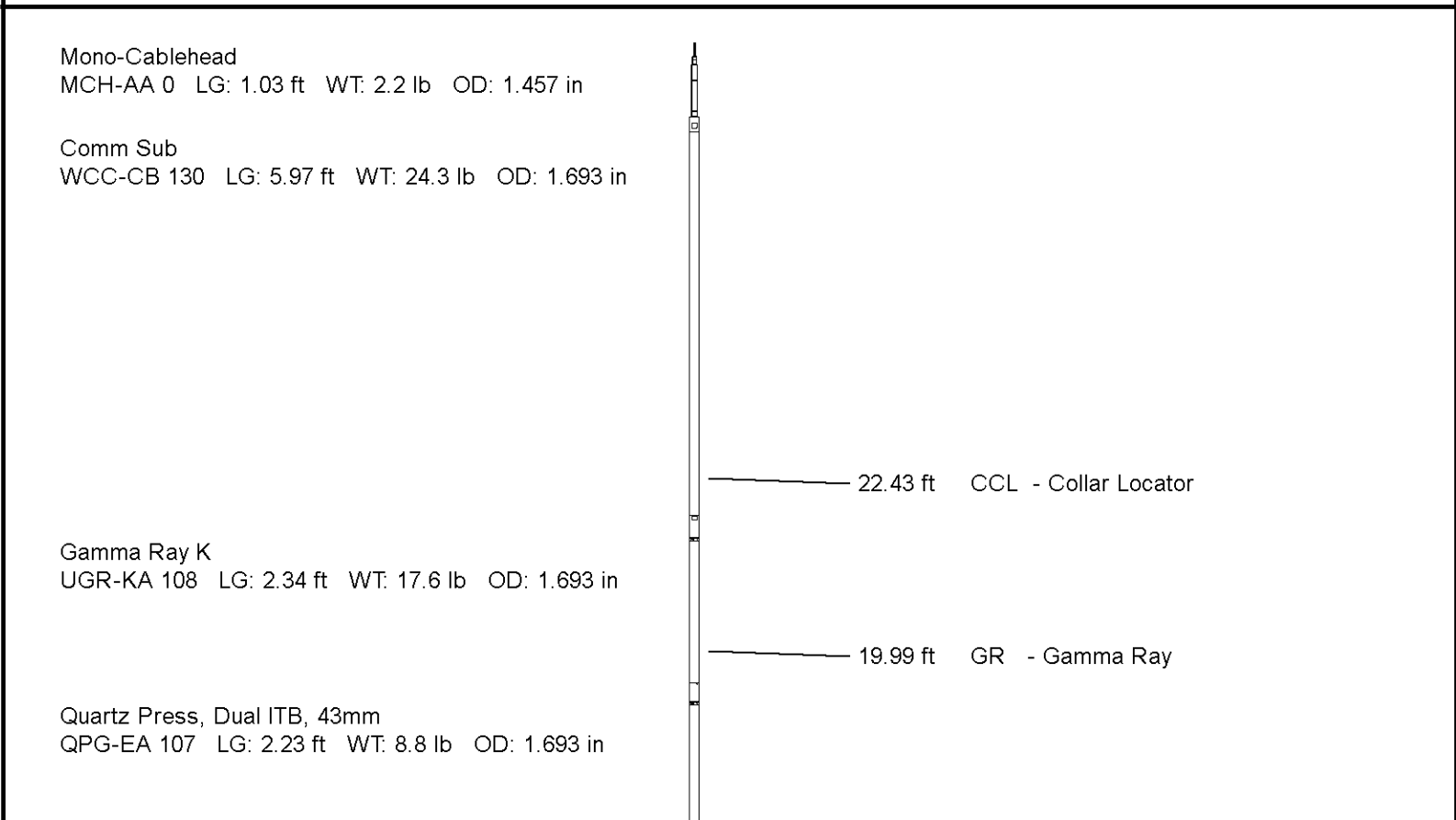
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REPEAT PASS

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DOWNHOLE EQUIPMENT

F:\PUCKETT 33C-26\_CRE\PUCKETT\_33C\_26\_CREB\_NVISION\_MAIN.dta





Tool Temperature, 43mm, 177C, 10-pin ITB  
TMP-NA 137 LG: 1.93 ft WT: 8.8 lb OD: 1.693 in

CRE series II processor section  
CRP-BA 129 LG: 3.31 ft WT: 15.4 lb OD: 1.654 in

Casing Reservoir Evaluation Tool Sonde  
CRM-BA 129 LG: 9.19 ft WT: 46.3 lb OD: 1.693 in

Gamma Ray K  
UGR-KA 131 LG: 2.34 ft WT: 17.6 lb OD: 1.693 in

Terminator sub  
TSH-C 0 LG: 0.27 ft WT: 2.2 lb OD: 1.654 in

Total Length: 28.60 ft Weight: 143.3 lb

17.45 ft PRES - QPG Pressure

15.59 ft TMPN - Temperature

7.52 ft VB24 - NVis. inel. near/far

7.52 ft VB15 - NVis. inel prx/long

7.52 ft VC15 - NVis. capt. prox/long

7.52 ft VC24 - NVis. capt. near/far

7.52 ft VRBN - VRBN

Tool Zero (0.00ft from bottom)

All measurements relative to tool zero.

## SHOP AND FIELD CALIBRATIONS

F:\PUCKETT 33C-26\_CRE\PUCKETT\_33C\_26\_CREB\_NVISION\_MAIN.dta

UGK Before Survey Cal UGR-KA 108

Field calibration on 26-APR-2017 13:22

Gamma Ray Before Survey Calibration

Tool Type: UGR-KA  
Calibrator No: MCGGCC144

Serial No: 108

Background	calibrator	standard	Units
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39.7	852.4	486.5	API
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Delta Counts Per Sec: 812.7 CPS/API = 1.671

## Gauge

Serial Number	220929	Calibration Date	15 Sep 2012
Gauge Type	QHB108-16-177	Base Check Date	
Max Pressure	16000 PSI	Max Temperature	177 Deg C
Min Pressure	13 PSI	Min Temperature	25 Deg C

## Pressure

Pressure polynomial order	3	Temperature polynomial order	3	
T0	T1	T2	T3	T4
P0 14.1363	-0.231359	-0.0199948	9.69338e-006	
P1 9.69338e-006	42.6942	-0.0212493	2.7973e-005	
P2 2.7973e-005	-5.21212e-008	-0.00210258	8.46866e-006	
P3 8.46866e-006	-4.68837e-008	2.25752e-011	7.55316e-007	
P4				

## Temperature

Temperature polynomial order 3				
T0	T1	T2	T3	T4
25.2281	-0.730006	-0.000855483	-6.83633e-007	

Temperature Tool Shop survey calibration TMP-NA 137

Temperature Tool Shop Survey Calibration

Tool Type: TMP-NA                      Serial No: 137

## Calibration

	Standard	Measured
32	DEGF	36714 Hz
212	DEGF	50849 Hz

UGK Before Survey Cal UGR-KA 131

Field Calibration on 26-APR-2017 13:52


Gamma Ray Before Survey Calibration

Tool Type: UGR-KA                      Serial No: 131

Calibrator No: MCGGRCC144

Background	Calibrator	Standard	Units
27.9	848.9	486.5	API
Delta Counts Per Sec: 821.0		CPS/API = 1.688	

COMPANY	CAERUS OIL & GAS				
WELL	PUCKETT 33C-26				
FIELD	GRAND VALLEY				
PROVINCE/COUNTY	GARFIELD				
COUNTRY/STATE	USA / COLORADO				
Elevation Kelly Bushing	8426	feet	Bottom Log Interval	9178.00	feet
Elevation Drill Floor	8426	feet	Depth Driller	9178.00	feet
Elevation Ground Level	8396	feet	Depth Logger	9152.00	feet



**Weatherford**<sup>®</sup>

RAPTOR NVISION LOG