 Weatherford®				RAPTOR NVISION LOG			
COMPANY WELL FIELD PROVINCE/COUNTY COUNTRY/STATE LOCATION				CAERUS OIL & GAS PUCKETT 34C-23 GRAND VALLEY GARFIELD USA / COLORADO			
SEC 23	TWP 06S	RGE 97W	Other Services SBT				
Latitude Longitude API Number			Permanent Datum GROUND LEVEL, Elevation 8396 feet Log Measured From KB, 30.00 feet above Permanent Datum Drilling Measured From KB				
Date	21-MAY-2017		PERFORATION RECORD				
Run Number	ONE		Shot	Number	Depth From	Depth To	
Service Order	182578593		Density	of Shots	feet	feet	
Type Log	CREB						
Depth Driller	9290.00						
Depth Logger	9214.00						
Top Log Interval	5000.00						
Bottom Log Interval	9214.00						
Hole Fluid Type	WATER						
Hole Fluid Level	0.00						
Restriction ID	3.875						
Max Recorded Temp	238.00		Gun Type				
Well Head Pressure	0.00		Gun Size				
Well Head Equipment	N/A		CASING / TUBING RECORD				
Time Well Ready	ROA		Size	Weight	Depth From	Depth To	
Time Logger Bottom	0130		inches	pounds/ft	feet	feet	
Unit	14333		4.500	11.60	0.00	8976.00	
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. 238F

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

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Depth Based Data - Maximum Sampling Increment 12.5cm

Plotted on 21-MAY-2017 14:03

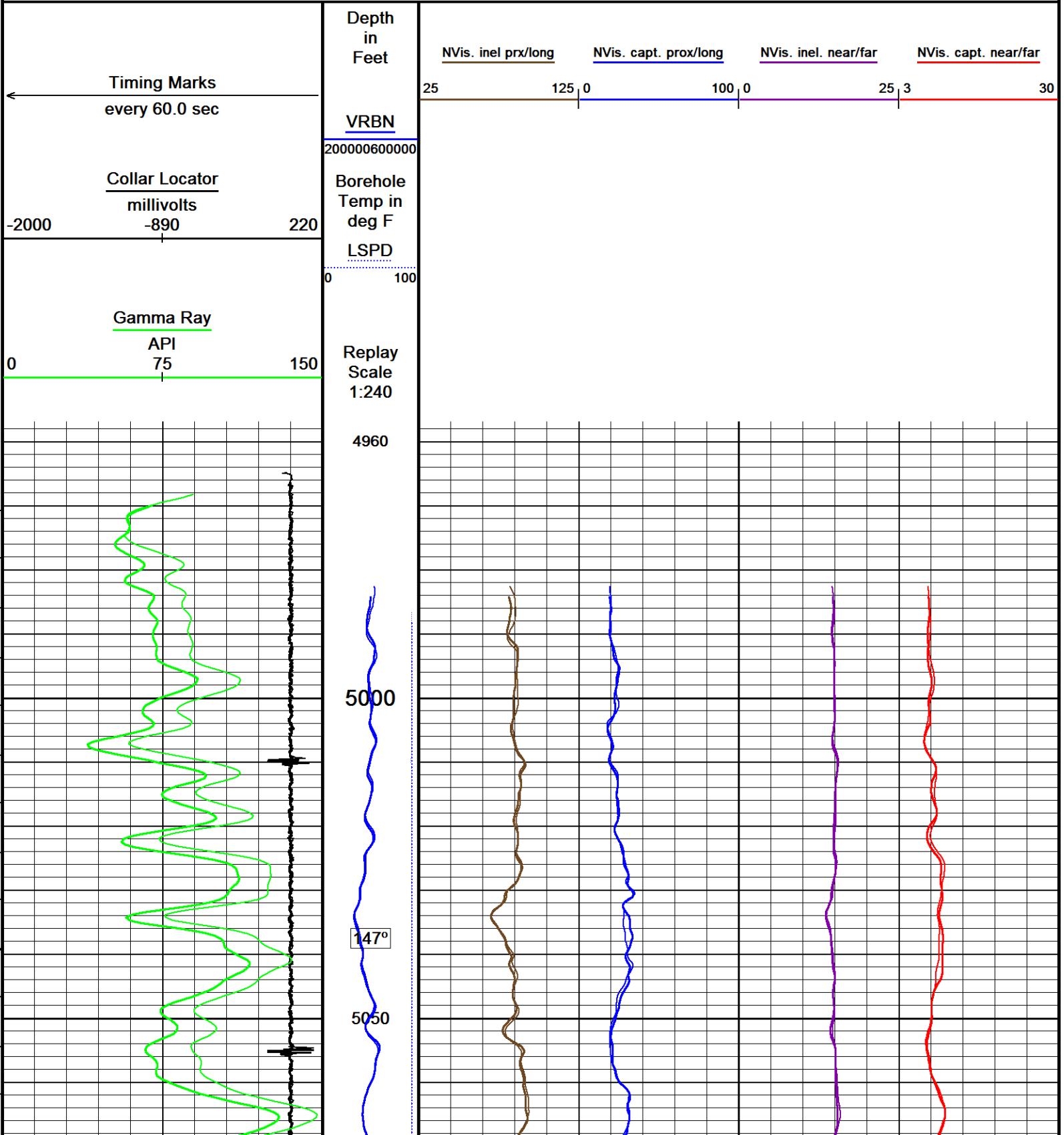
Filename: F:\PUCKETT_34C_23_CRE\PUCKETT_34C_23_CREB_NVISION_MAIN.dta

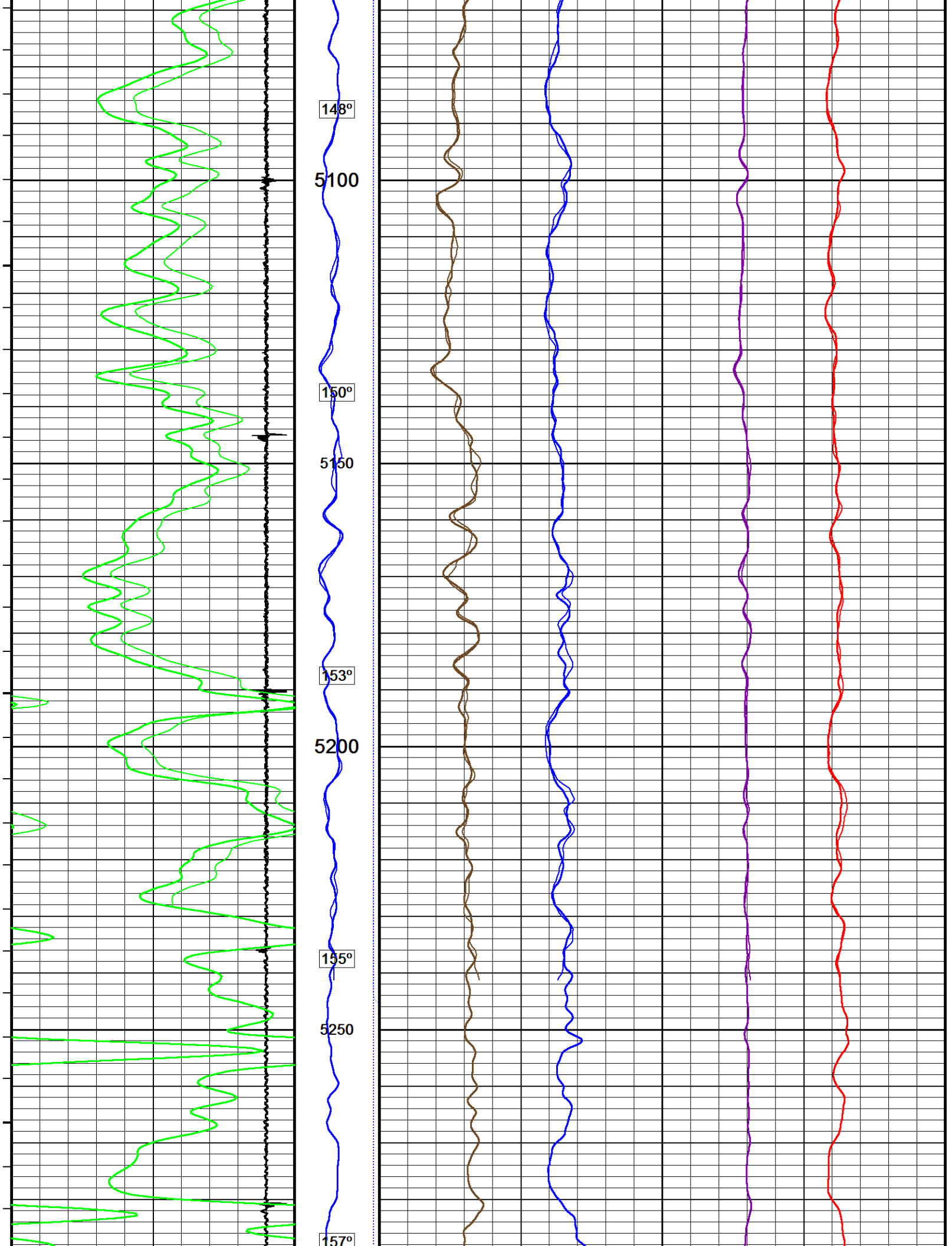
Recorded on 21-MAY-2017 01:45

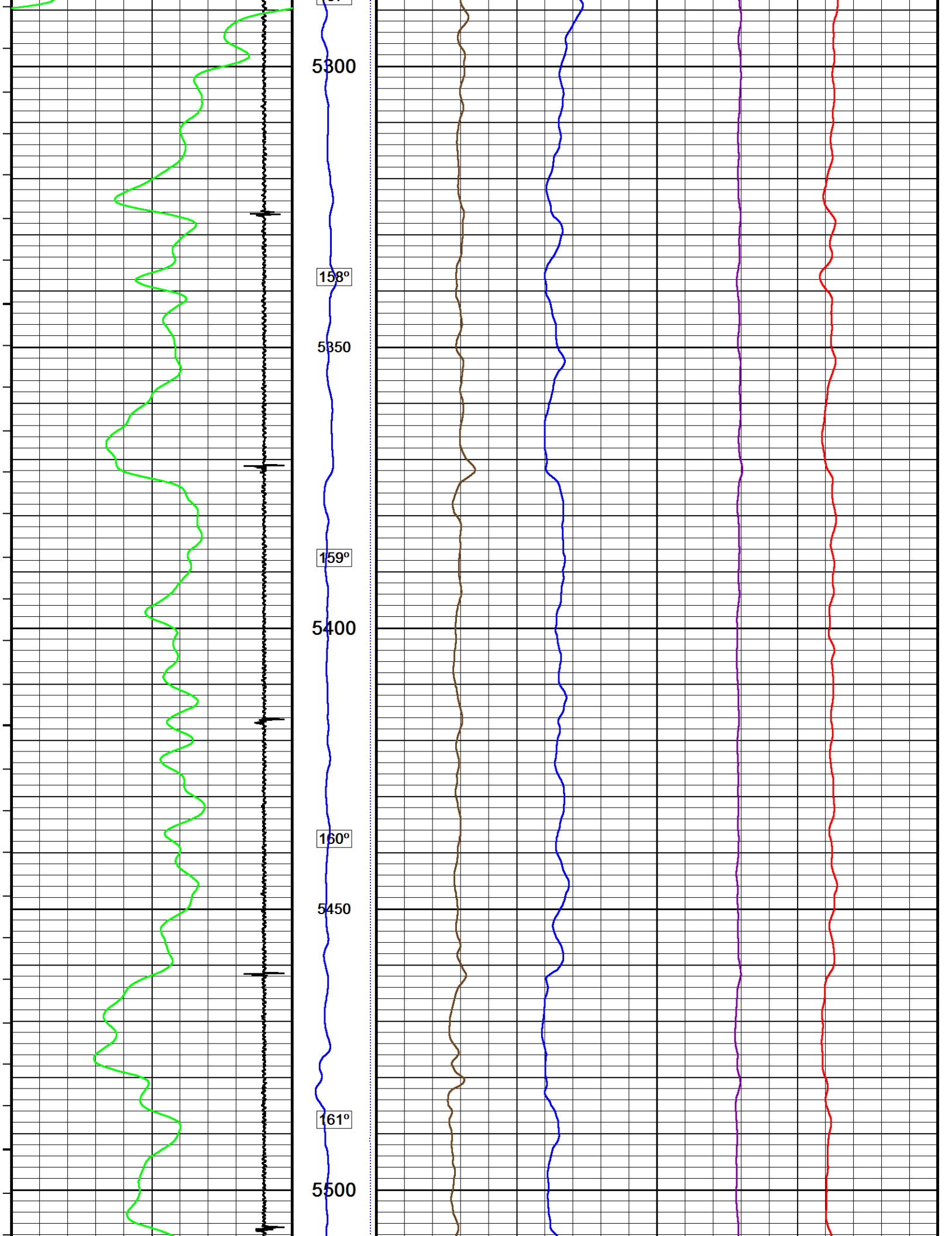
Filename: F:\PUCKETT_34C_23_CRE\PUCKETT_34C_23_CREB_NVISION_REPEAT.dta

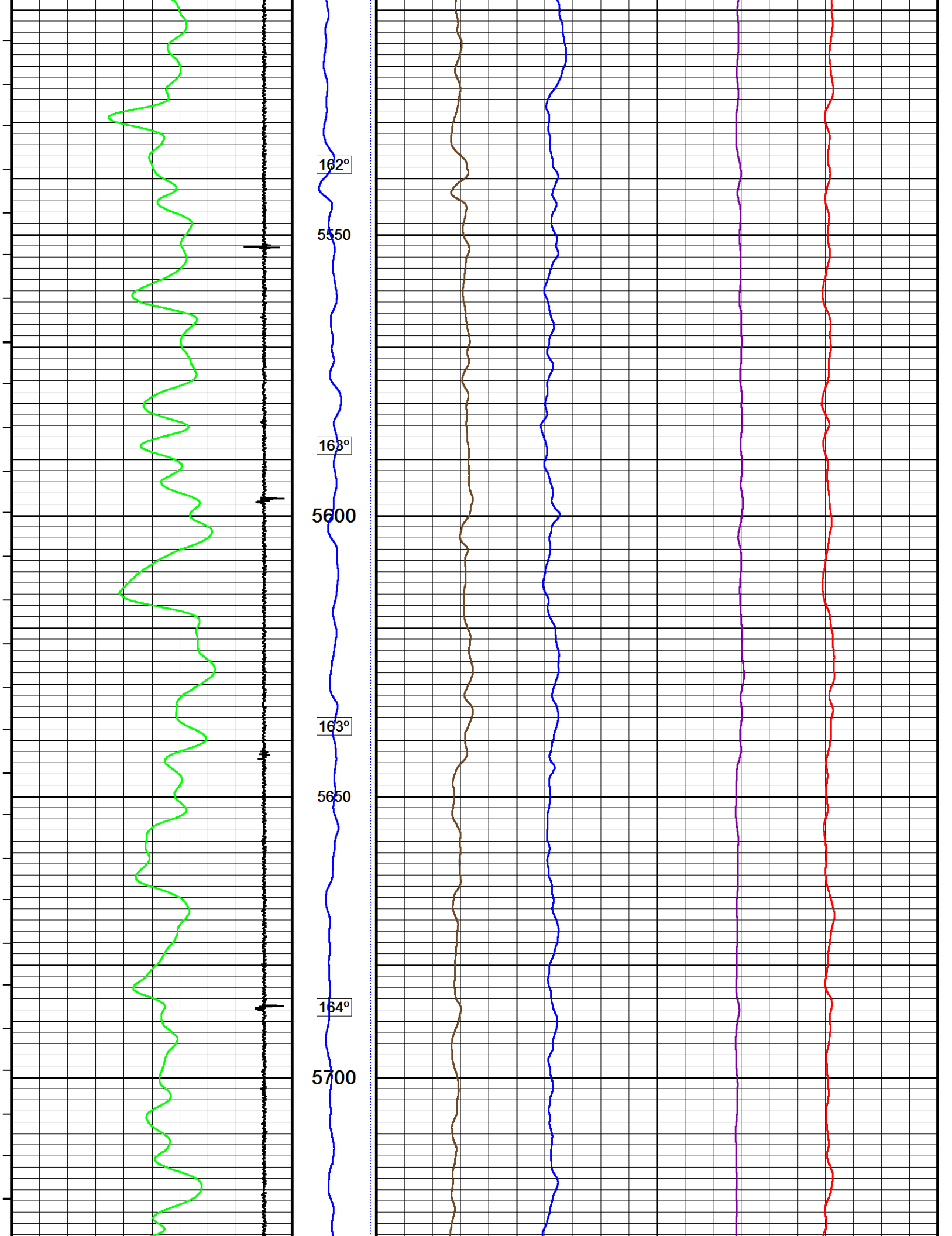
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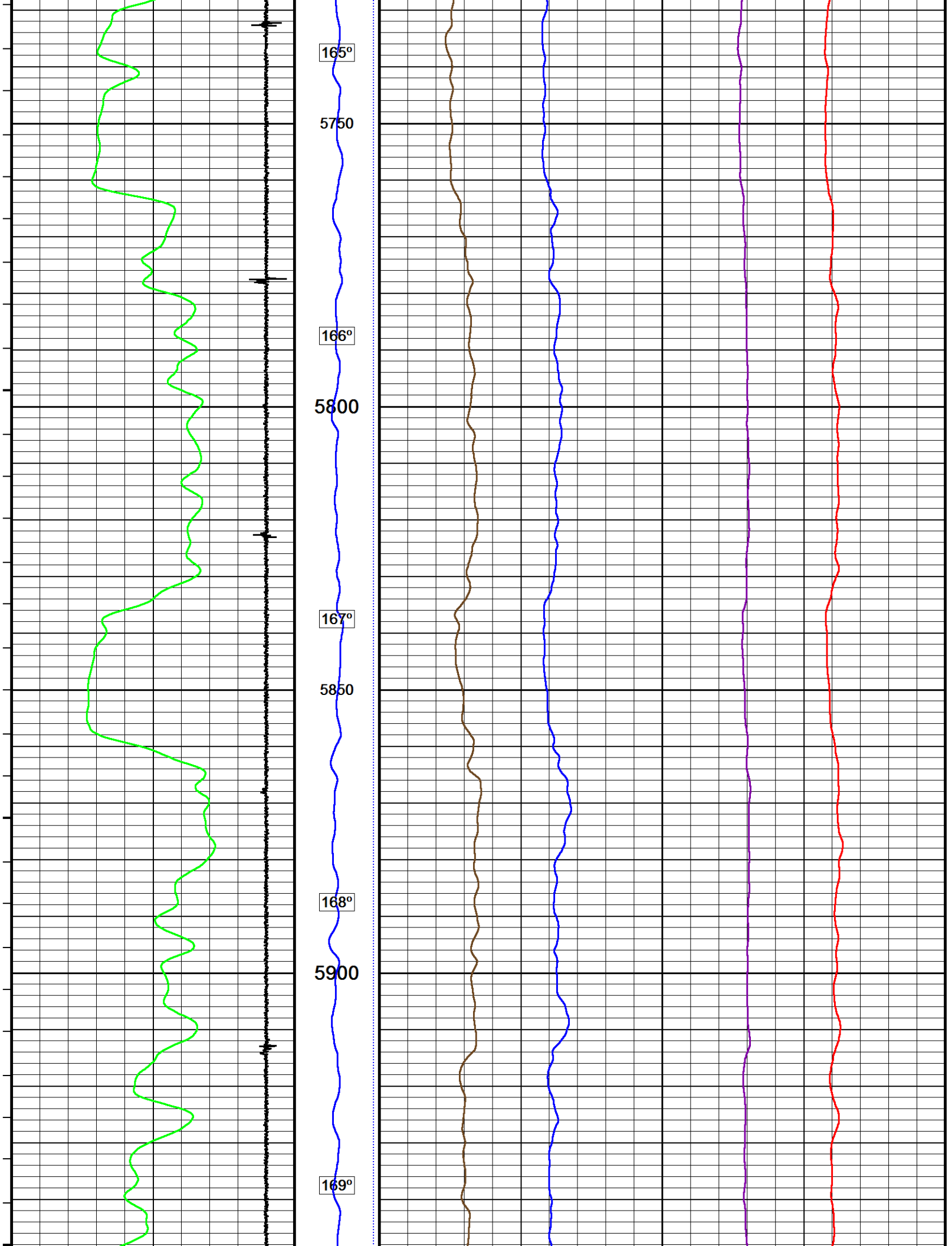
System Versions: Logged with 17.01.6744 Plotted with 17.01.6744

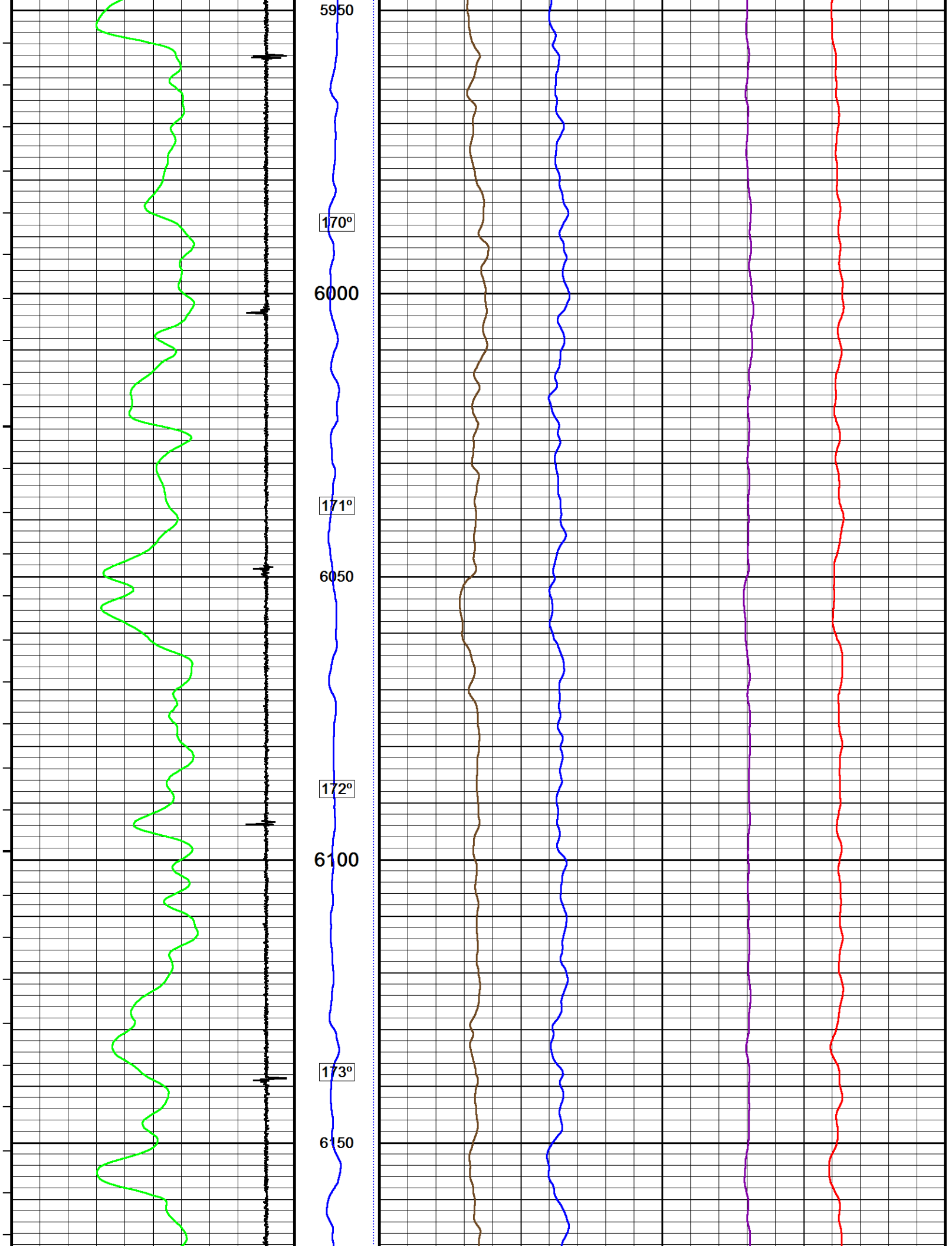


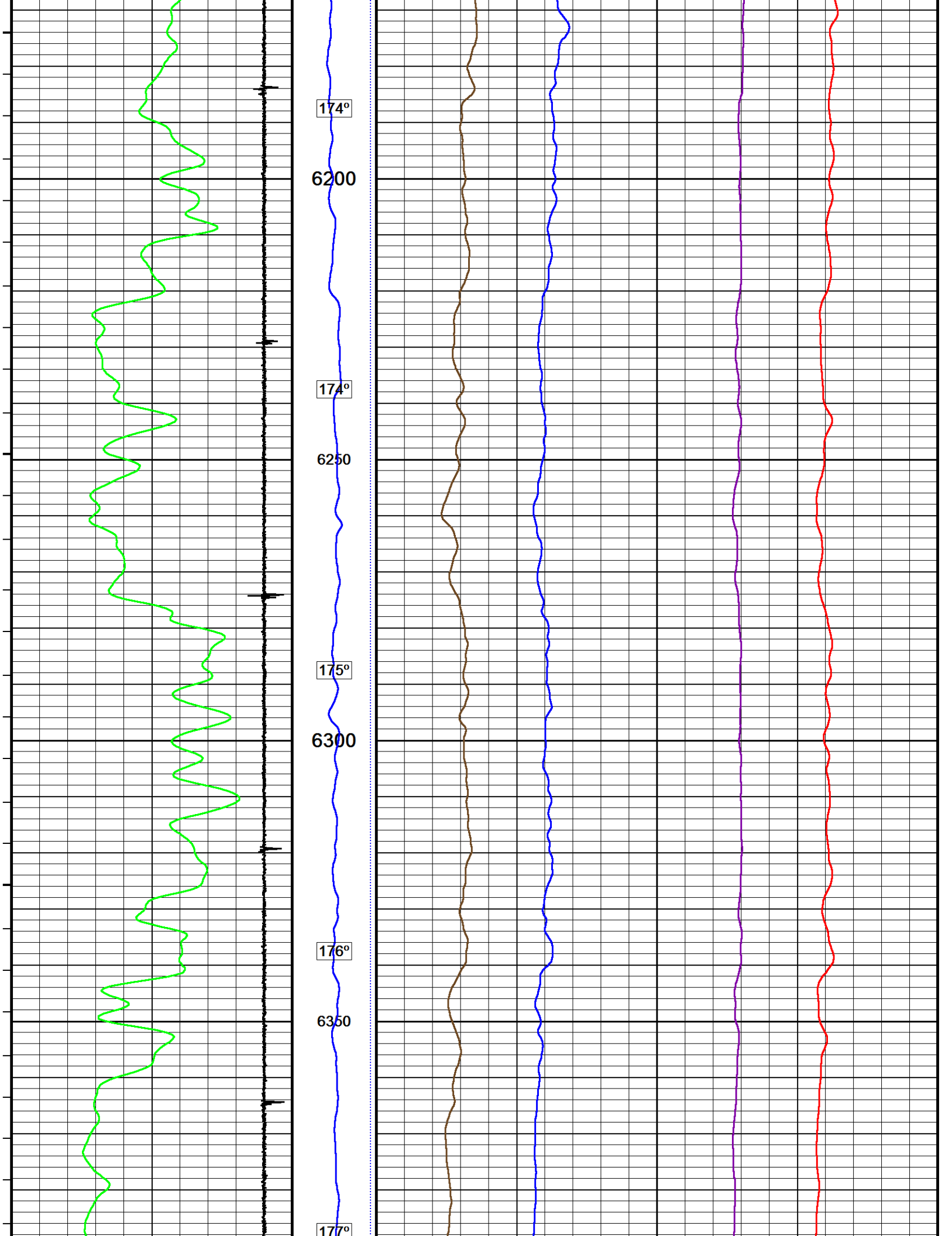


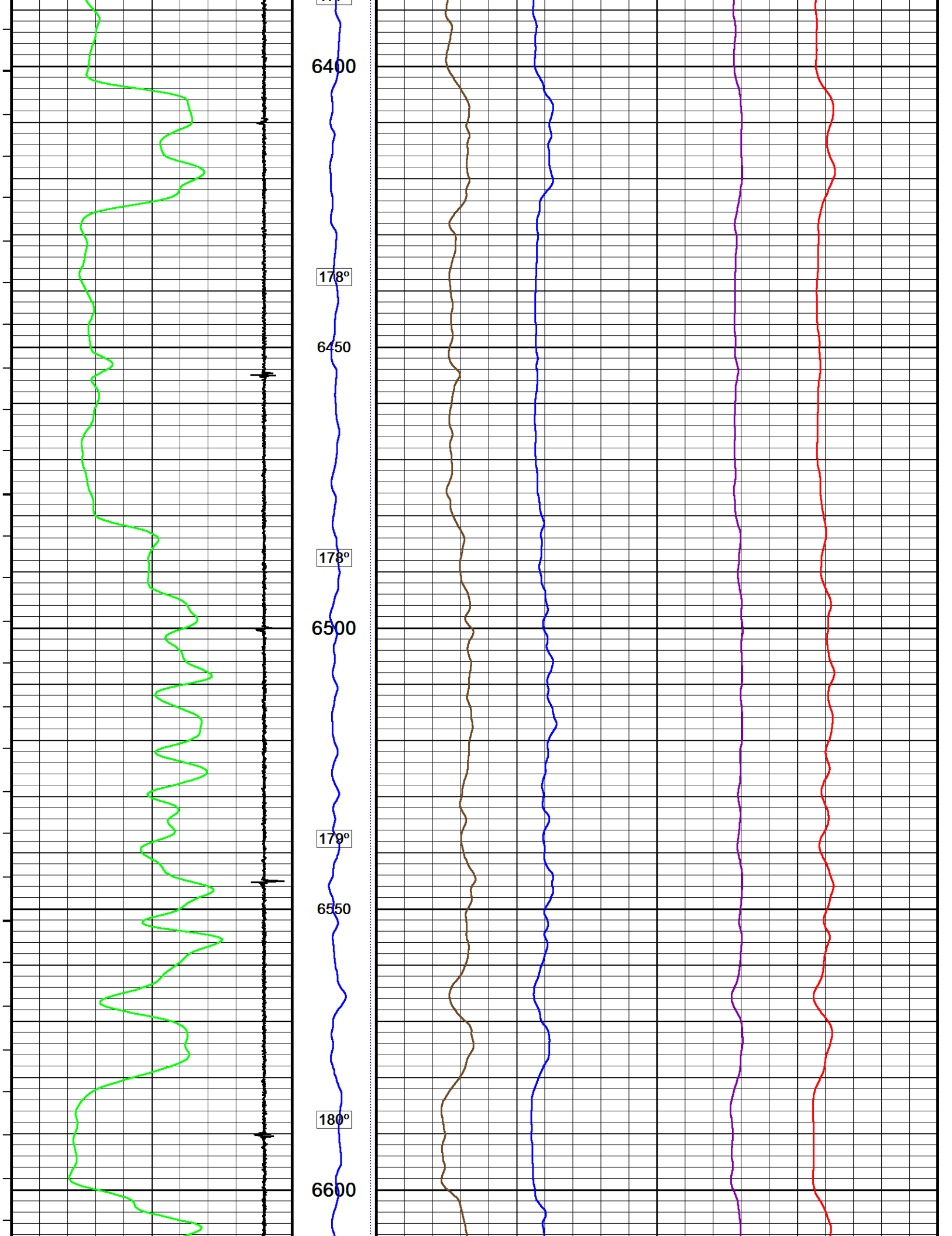


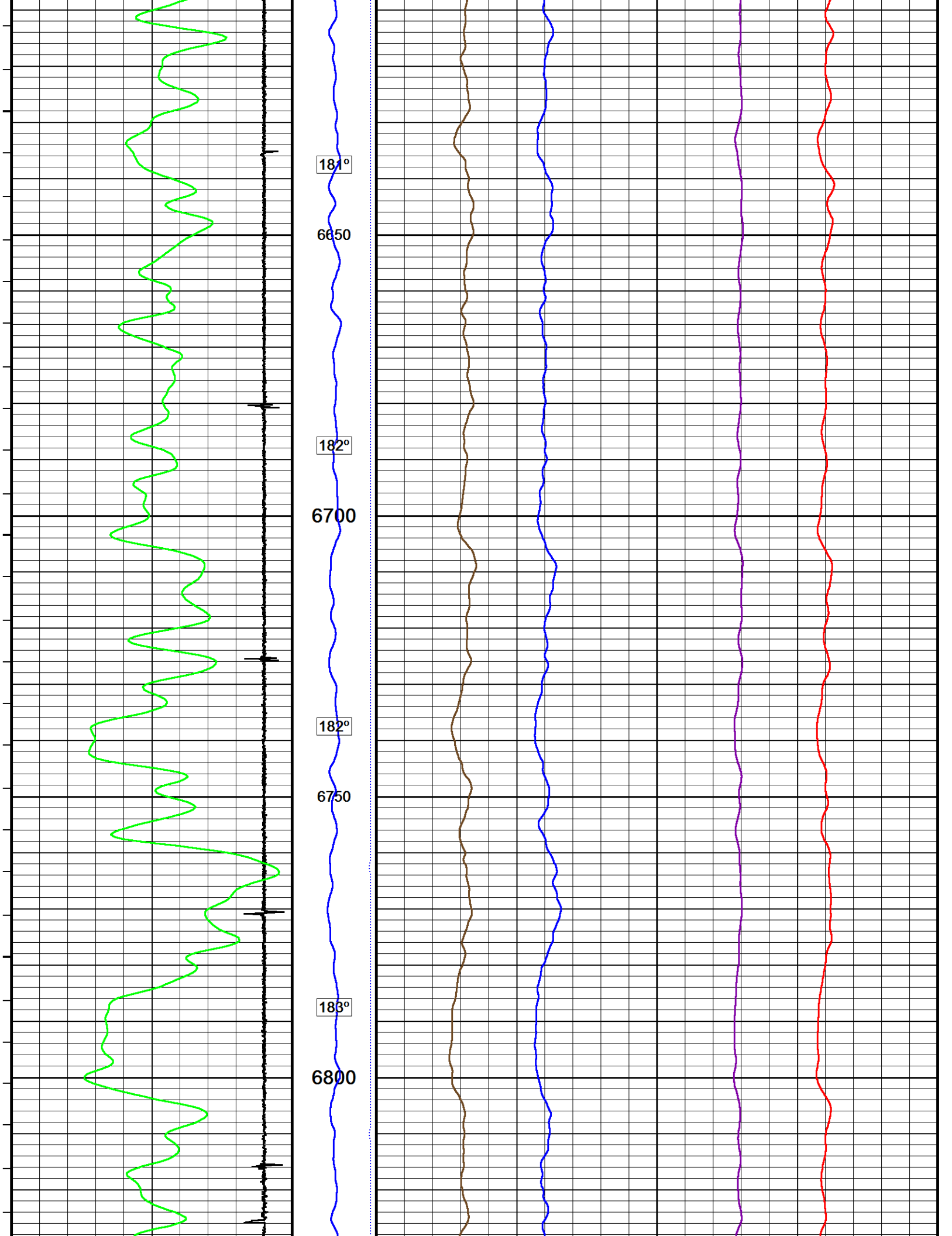


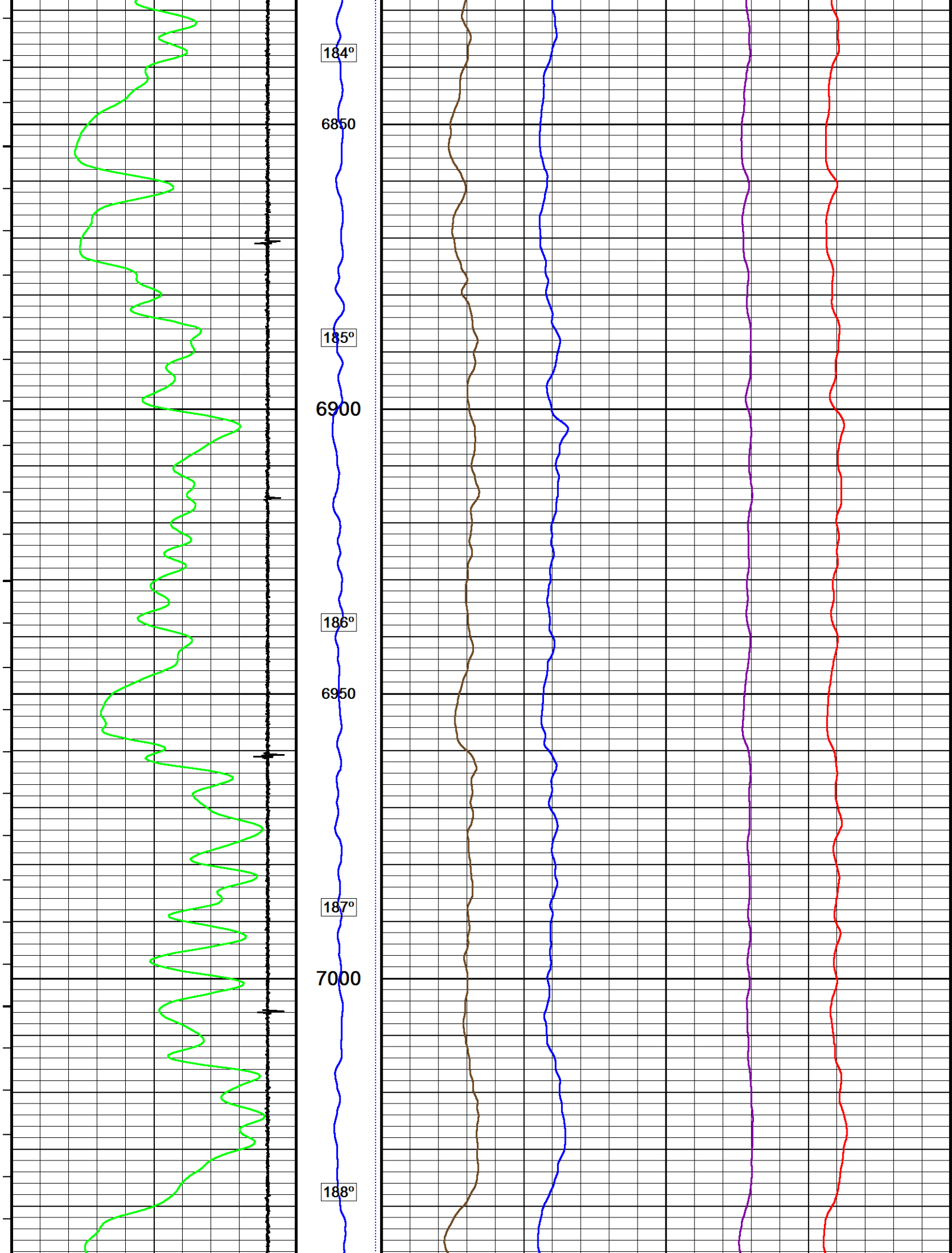


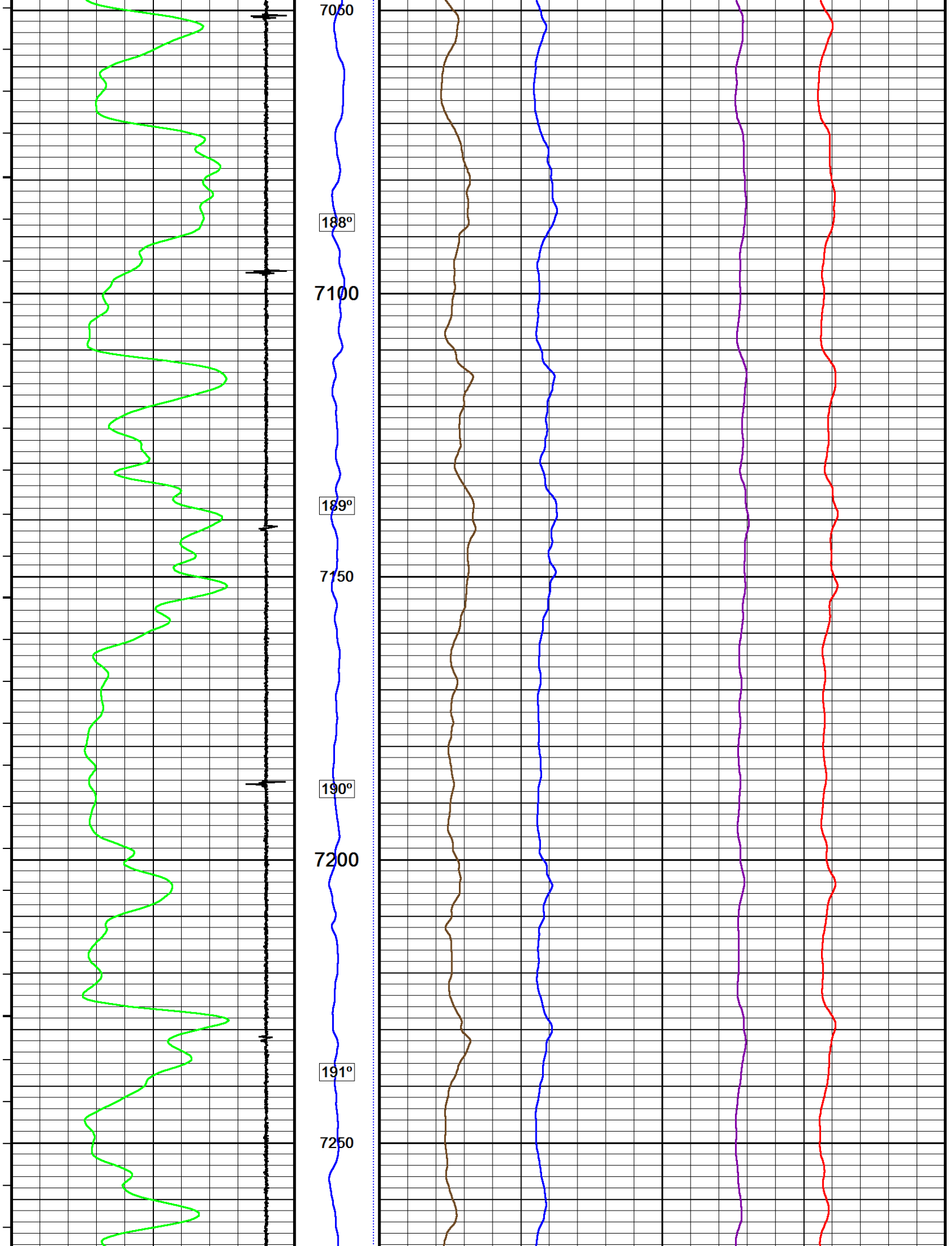


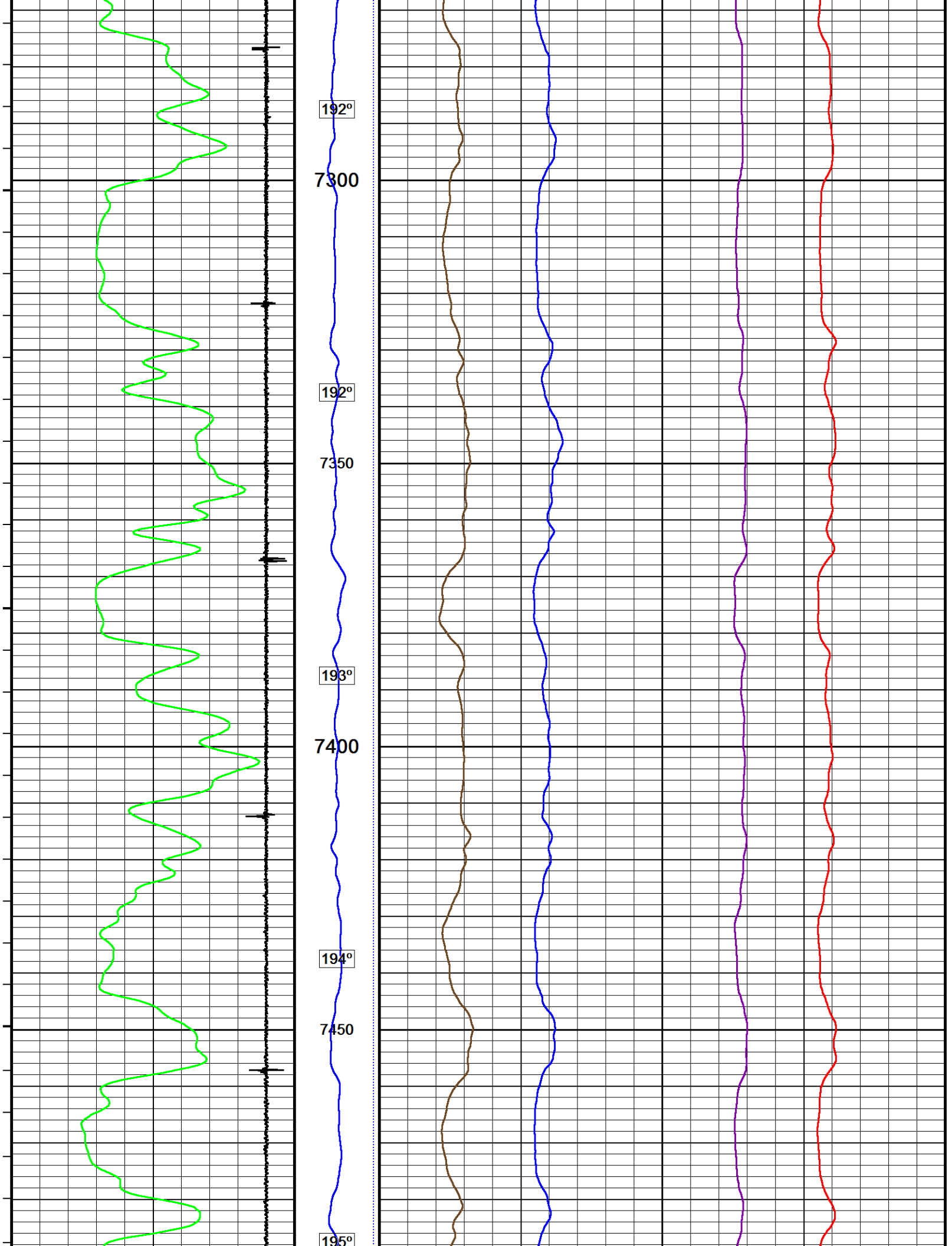


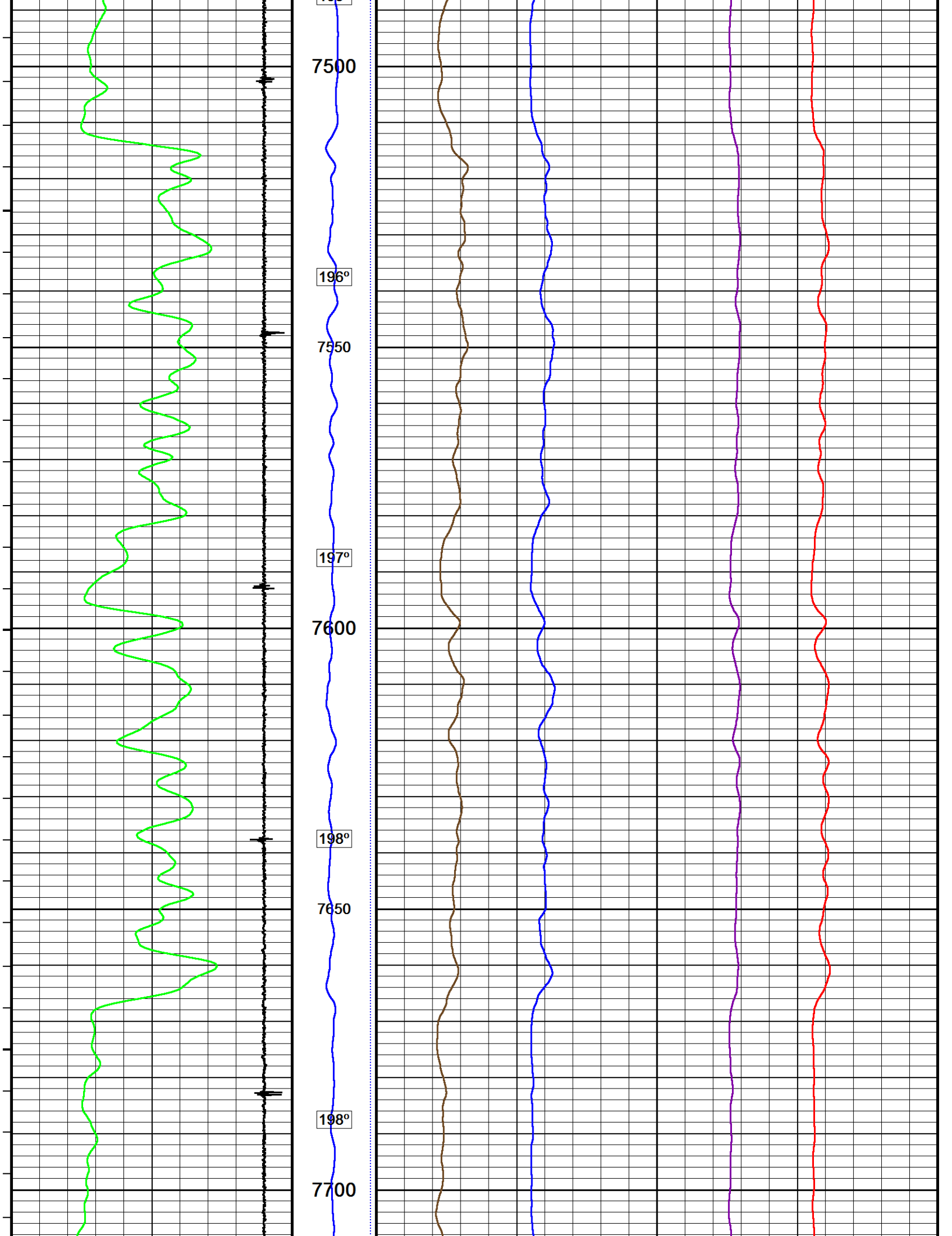


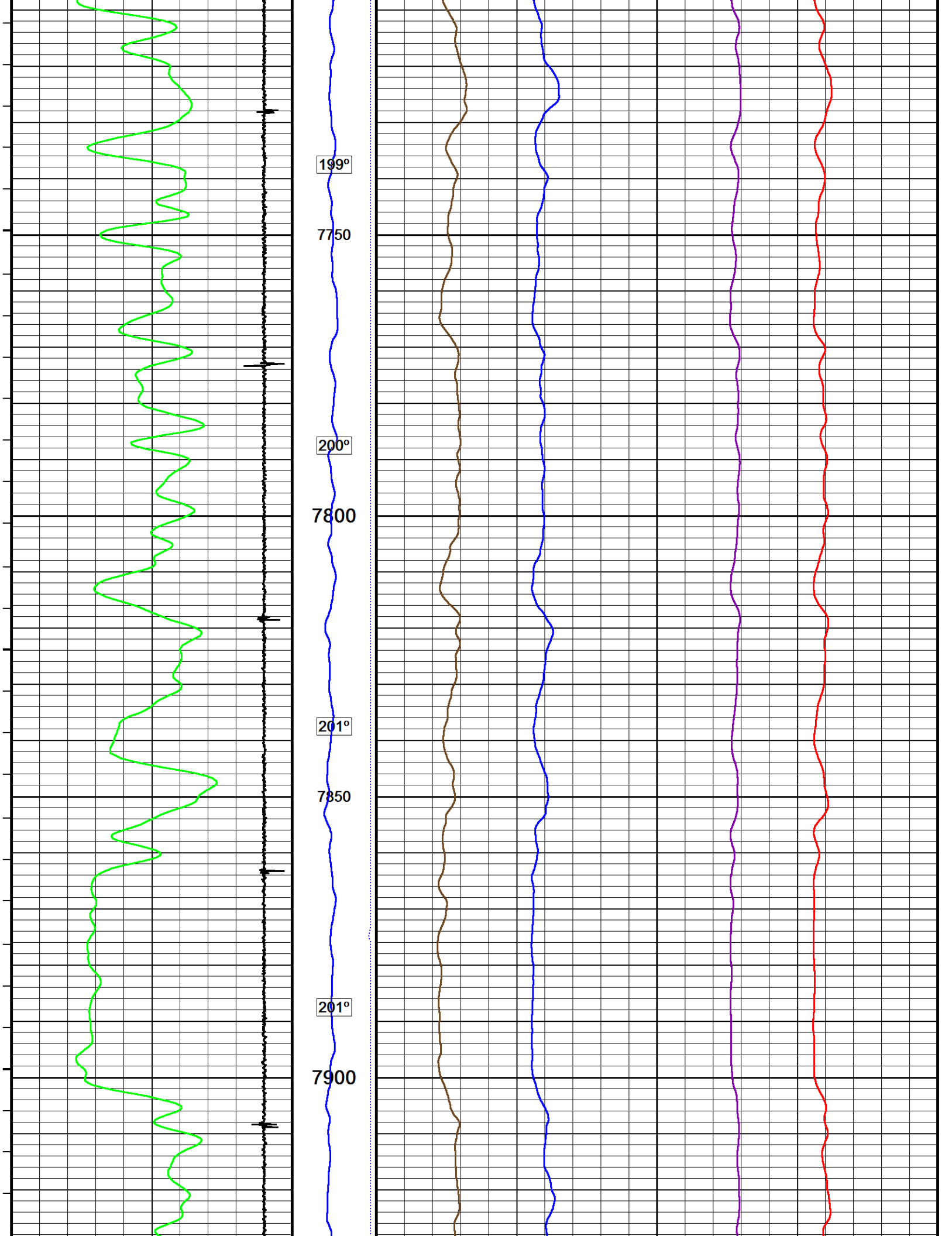


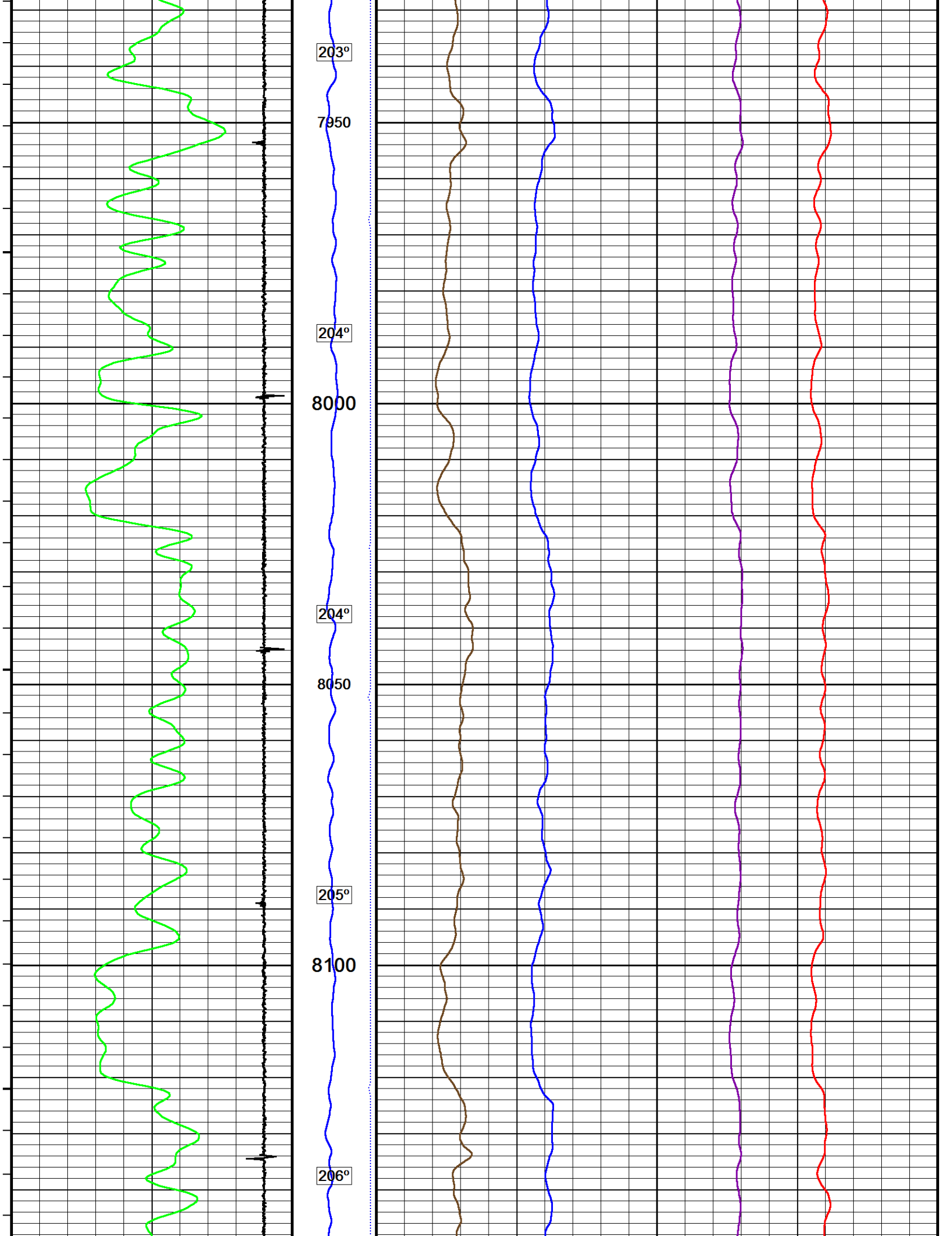


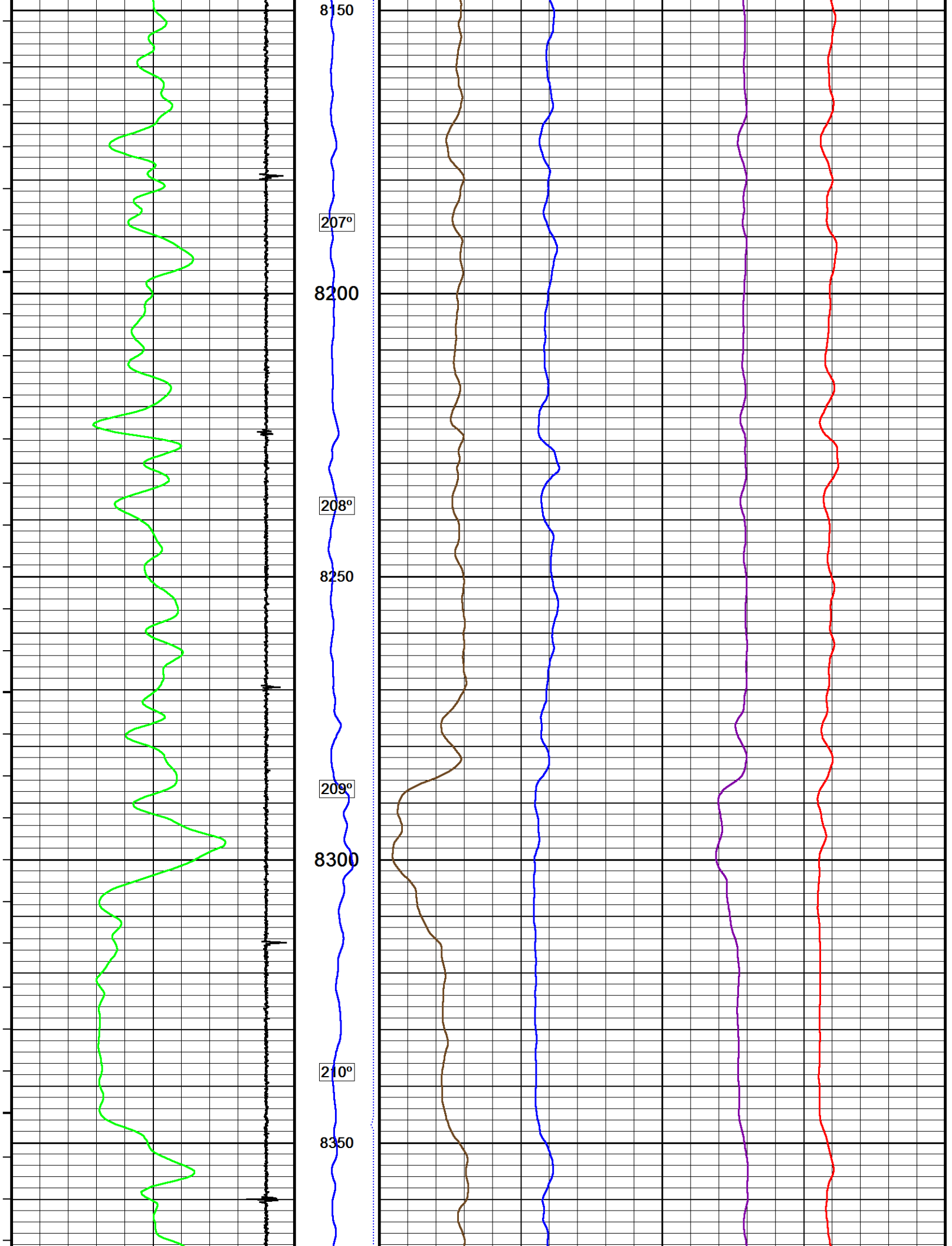


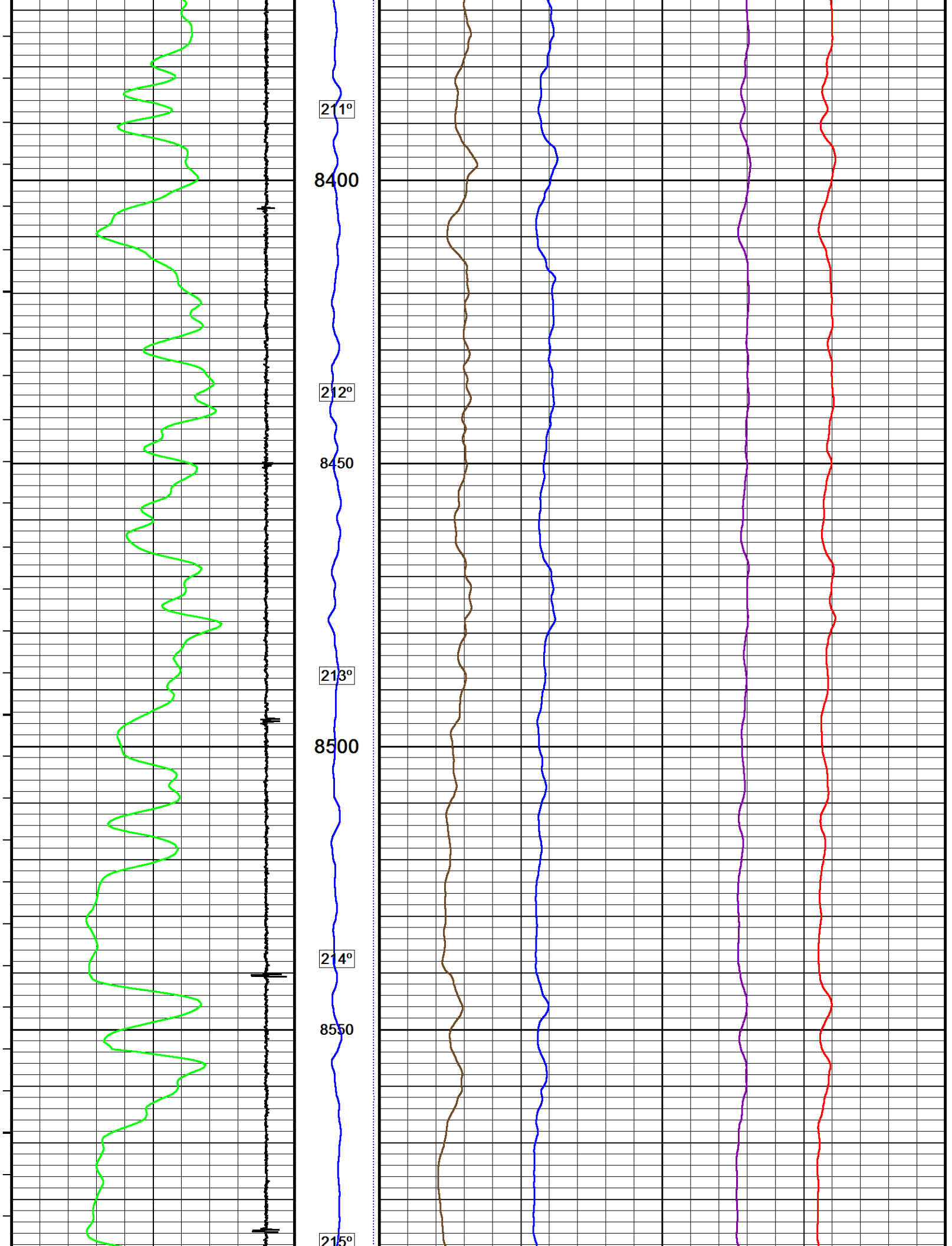


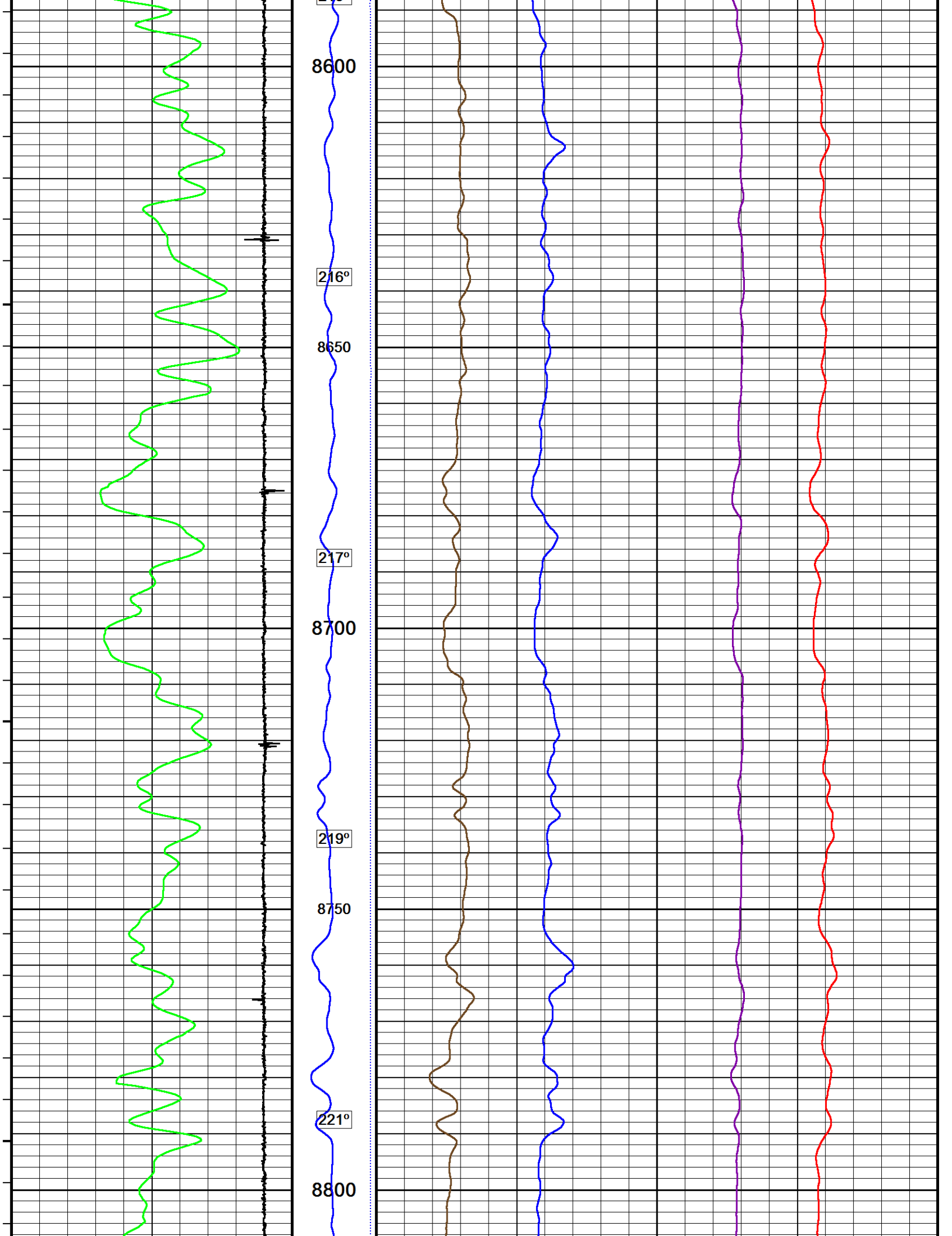


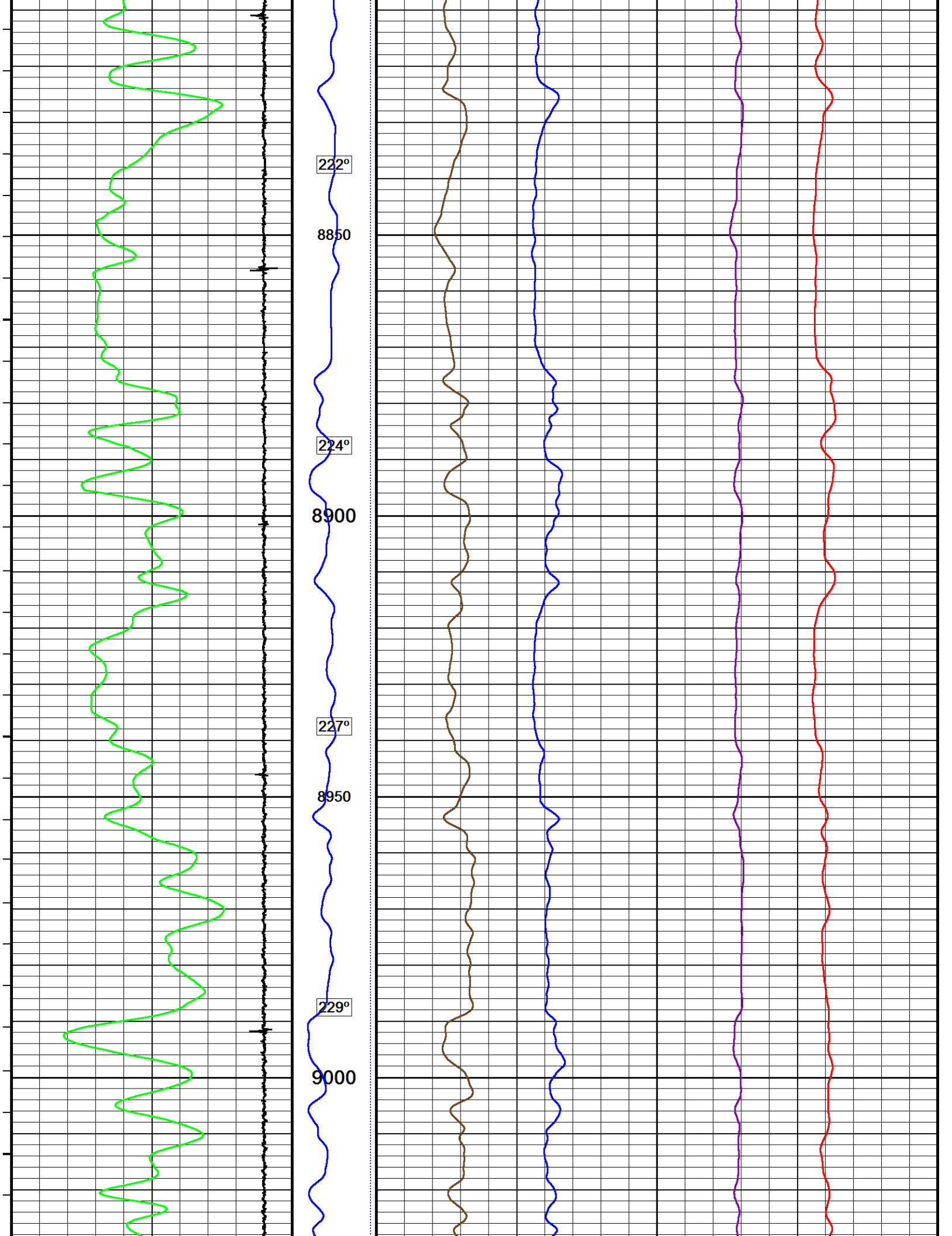


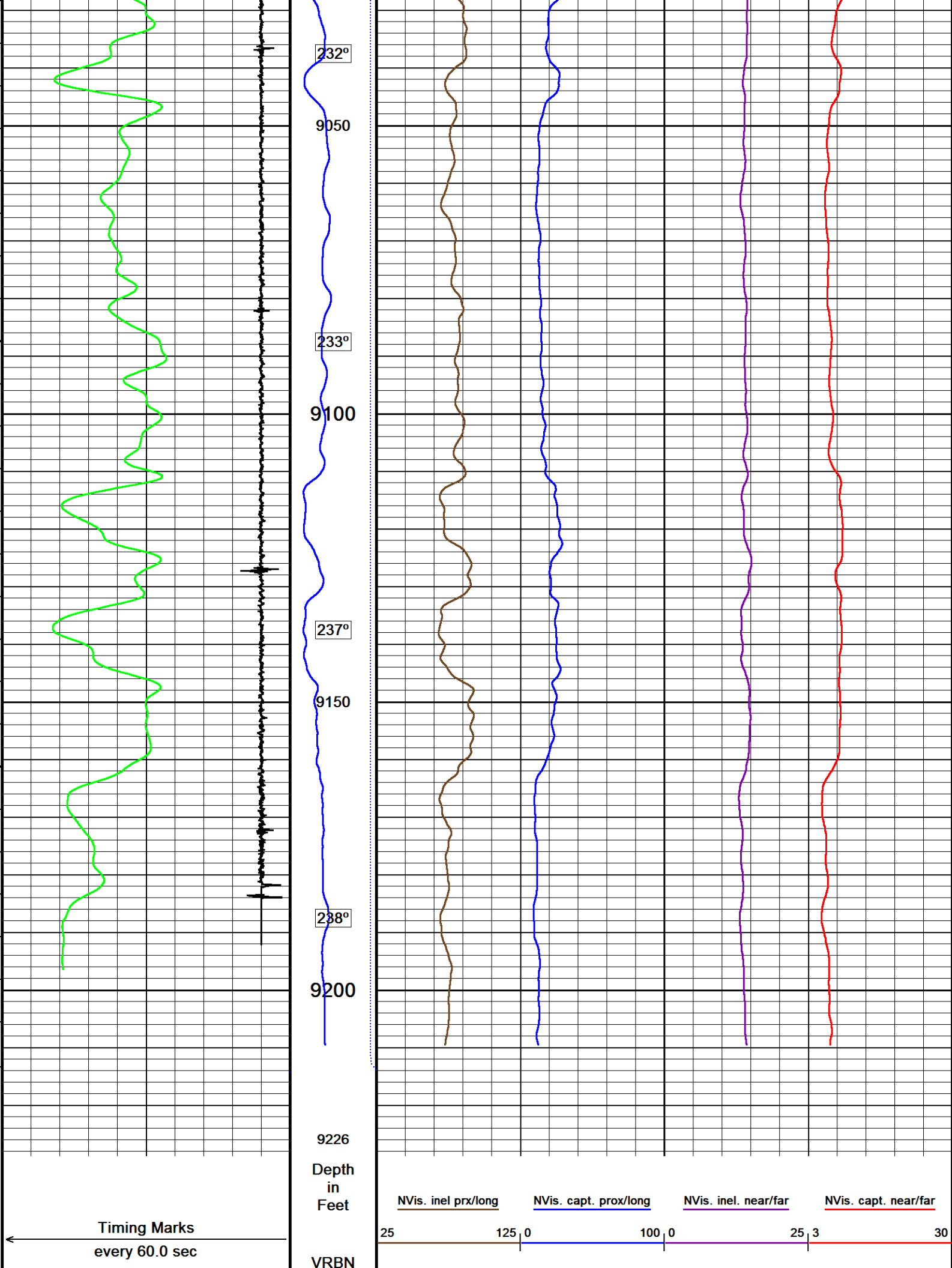


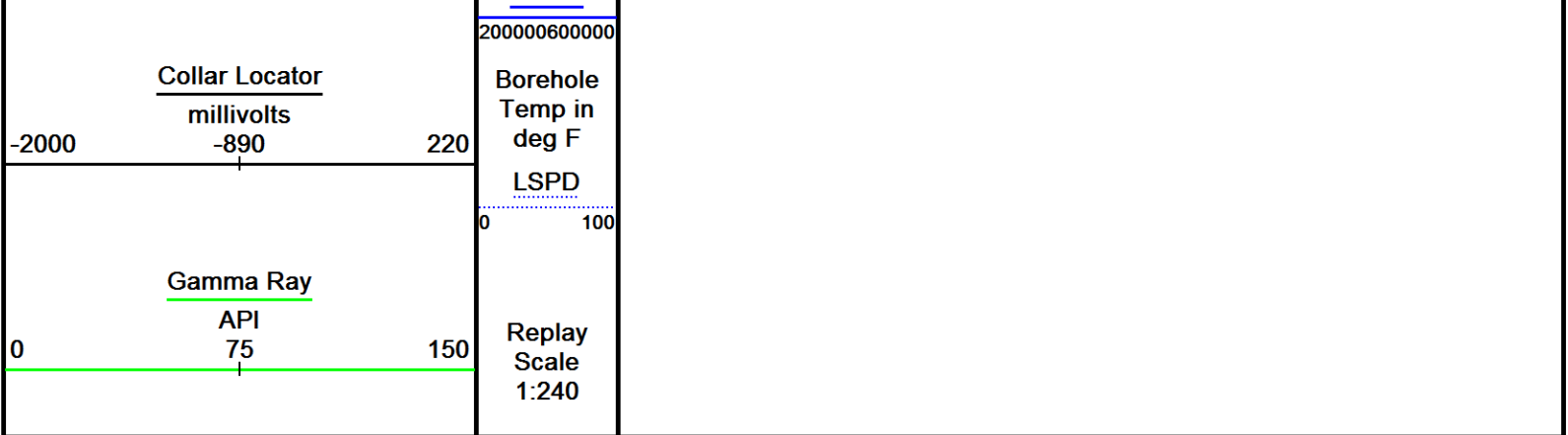












Depth Based Data - Maximum Sampling Increment 12.5cm	Plotted on 21-MAY-2017 14:03
Filename: F:\PUCKETT_34C_23_CRE\PUCKETT_34C_23_CREB_NVISION_MAIN.dta	Recorded on 21-MAY-2017 01:45
Filename: F:\PUCKETT_34C_23_CRE\PUCKETT_34C_23_CREB_NVISION_REPEAT.dta	Recorded on 21-MAY-2017 11:30
System Versions: Logged with 17.01.6744 Plotted with 17.01.6744	

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MAIN PASS

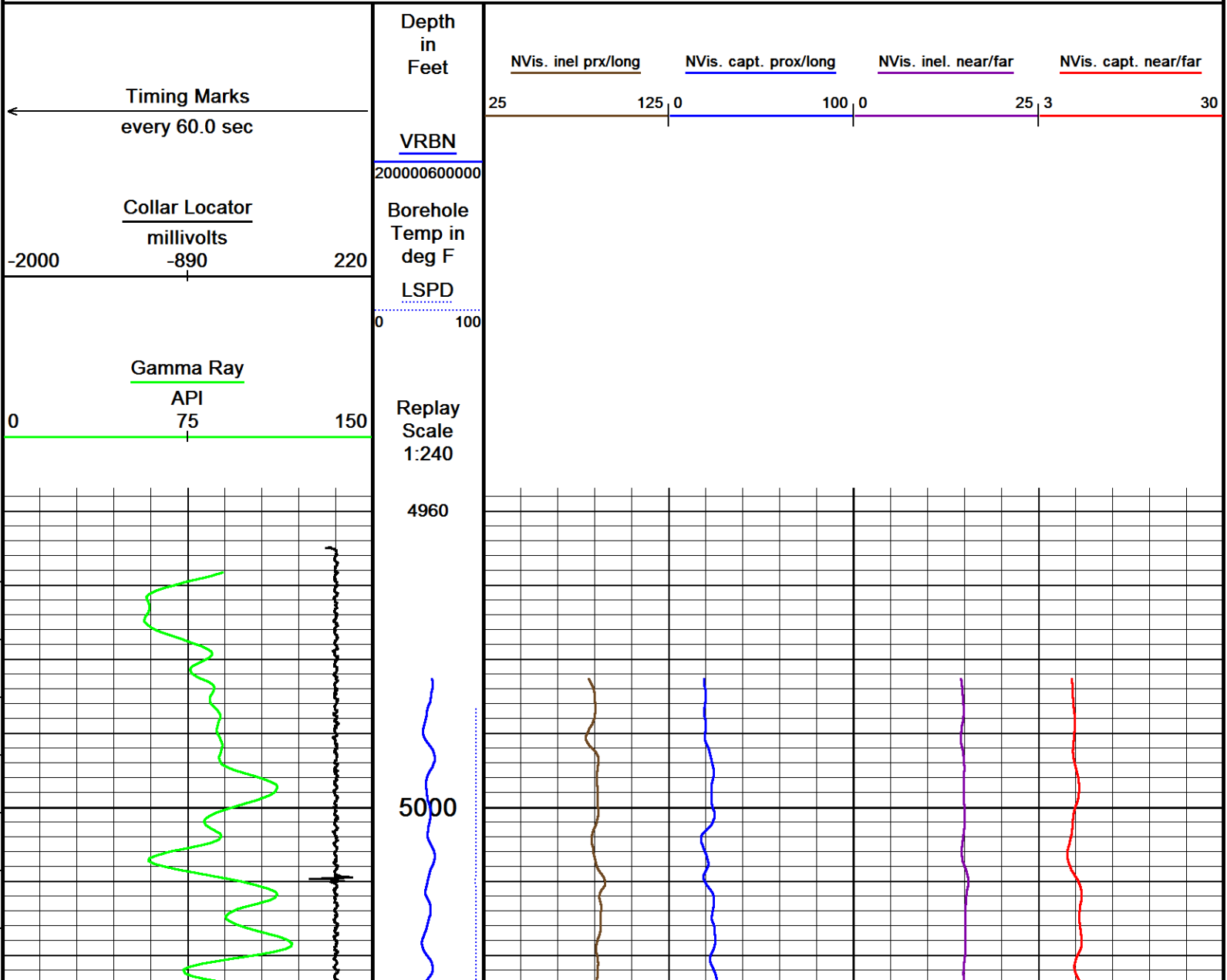
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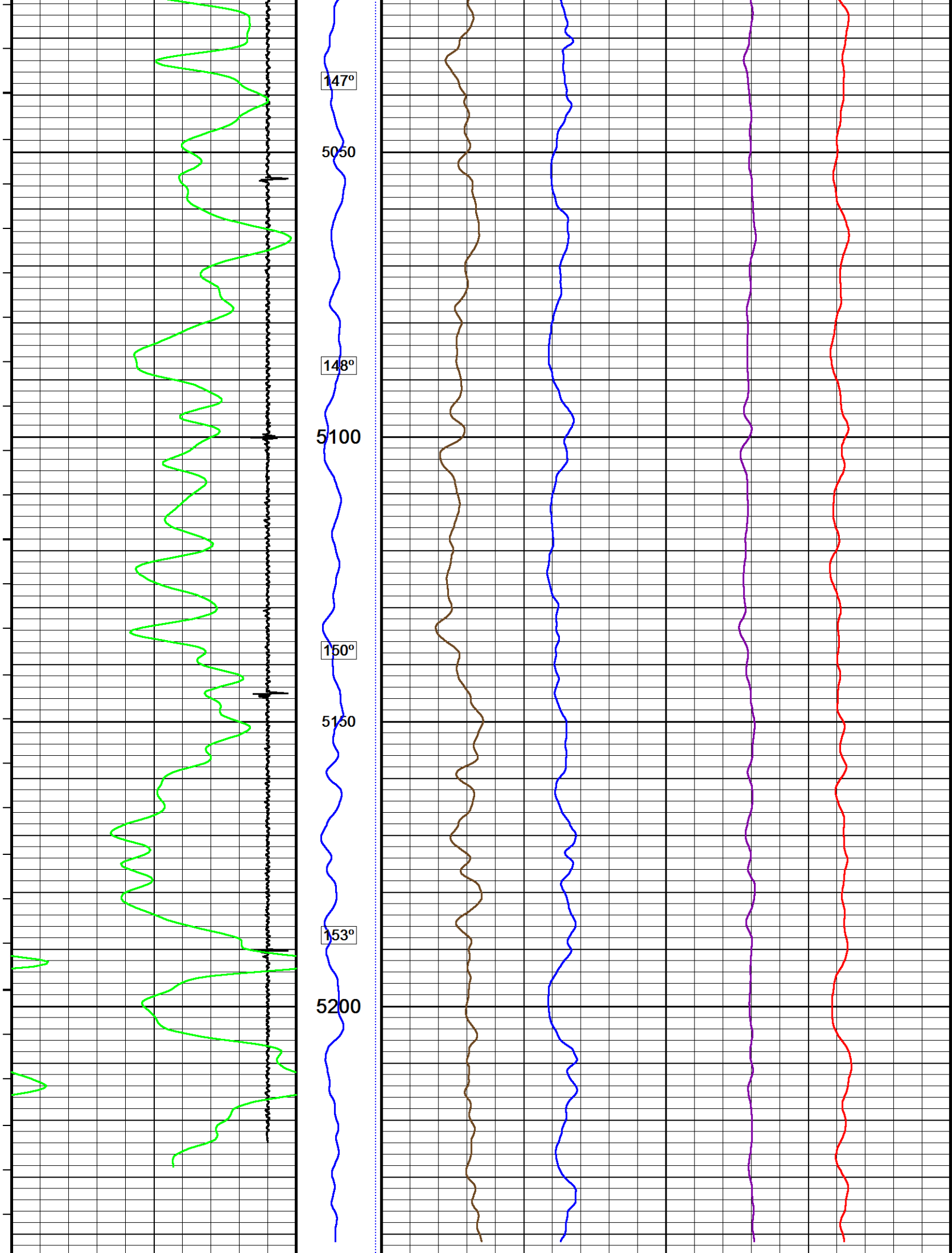
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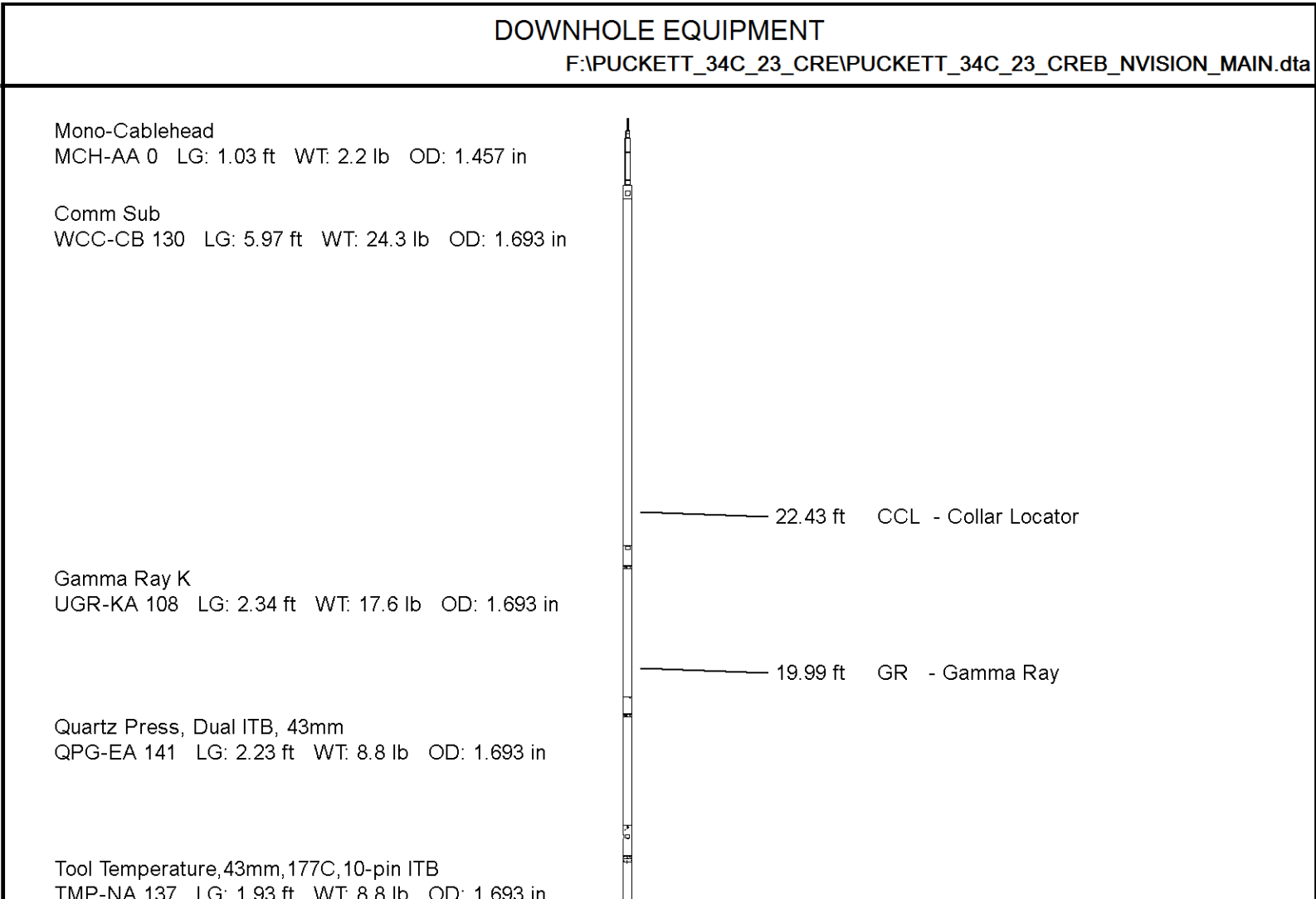
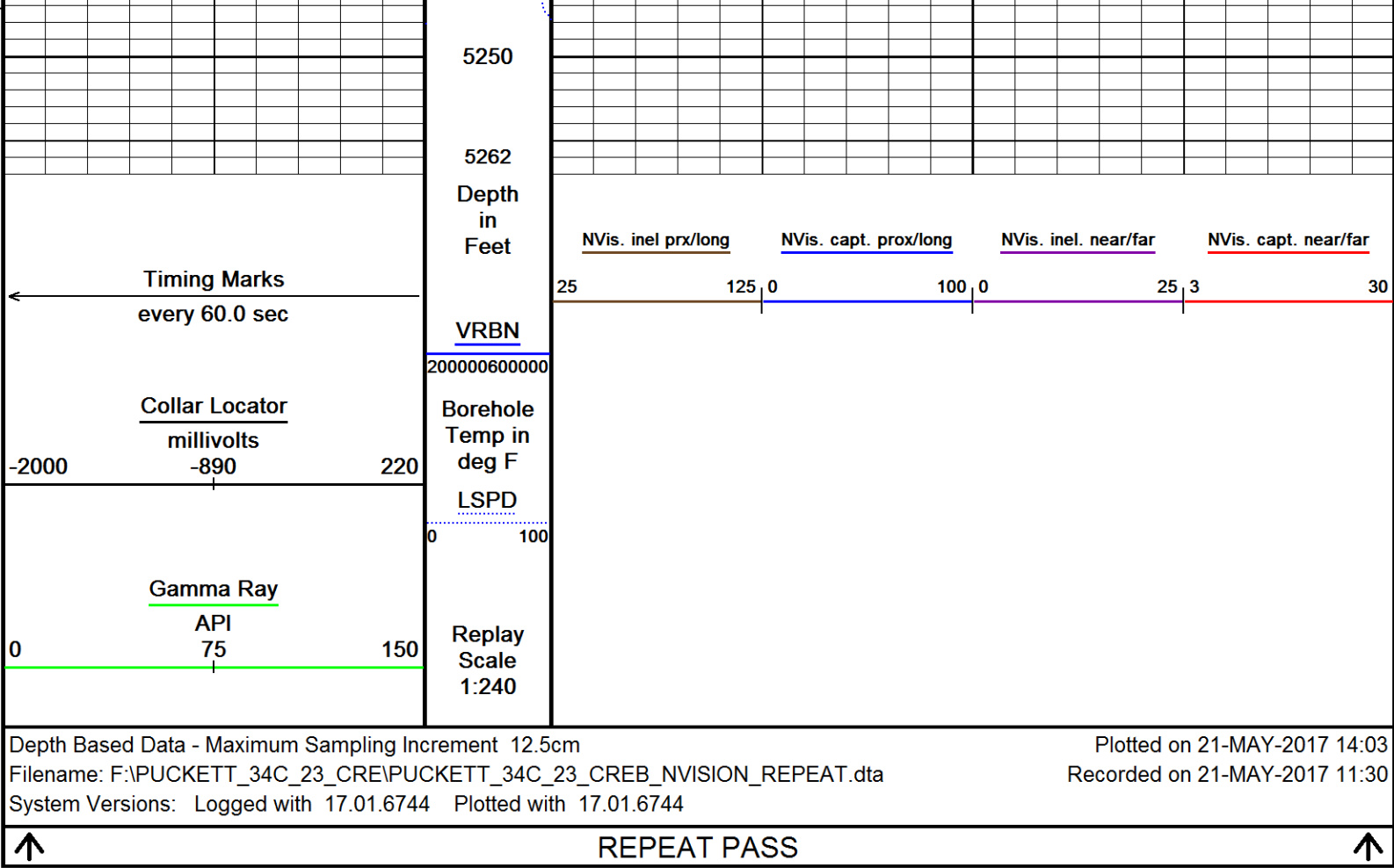
REPEAT PASS

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Depth Based Data - Maximum Sampling Increment 12.5cm	Plotted on 21-MAY-2017 14:03
Filename: F:\PUCKETT_34C_23_CRE\PUCKETT_34C_23_CREB_NVISION_REPEAT.dta	Recorded on 21-MAY-2017 11:30
System Versions: Logged with 17.01.6744 Plotted with 17.01.6744	







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

15.59 ft TMPN - Temperature

7.52 ft VC15 - NVis. capt. prox/long
7.52 ft VB24 - NVis. inel. near/far
7.52 ft VB15 - NVis. inel prx/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_34C_23_CRE\PUCKETT_34C_23_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: MCGGRCC144

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

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
Calibrator No: MCGGCC144

Serial No: 131

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 34C-23
FIELD GRAND VALLEY
PROVINCE/COUNTY GARFIELD
COUNTRY/STATE USA / COLORADO

Elevation Kelly Bushing	8426	feet	Bottom Log Interval	9214.00	feet
Elevation Drill Floor	8426	feet	Depth Driller	9290.00	feet
Elevation Ground Level	8396	feet	Depth Logger	9214.00	feet



Weatherford®

RAPTOR NVISION LOG