



FILE NO: _____
 COMPANY: **KEBO OIL & GAS, INC.**
 WELL: **BLACK STONE #1**
 FIELD: **WILDCAT**
 COUNTY: **BRAZORIA** STATE: **TEXAS**
 API NO: 42-039-33353

Version: **FIELD PRINT**
 LOCATION: 815' FNEL & 813' FSEL OF LEASE
 2580' FSWL & 2682' FNWL OF SURVEY
 SWNGLE, A
 A-369
 OTHER SERVICES: TVD 6CAL

PERMANENT DATUM: GL _____ ELEVATION: 2.6 FT
 LOG MEASURED FROM: KB _____ 17.0 FT ABOVE P.D.
 DRILL. MEAS. FROM: KB _____
 ELEVATIONS: KB 19.6 FT
 DF 18.6 FT
 GL 2.6 FT

DATE	16-AUG-2020	
RUN	TRIP	1
SERVICE ORDER	170698	
DEPTH DRILLER	7900 FT	
DEPTH LOGGER	7900 FT	
BOTTOM LOGGED INTERVAL	7893 FT	
TOP LOGGED INTERVAL	2020 FT	
CASING DRILLER	13.375 IN @ 2019 FT	
CASING LOGGER	2020 FT	
BIT SIZE	12.250 IN	
TYPE OF FLUID IN HOLE	WBM	
DENSITY	11.0 LBG	57 S
PH	9.3	4.0 C3
SOURCE OF SAMPLE	FLOWLINE	
RM AT MEAS. TEMP.	1.19 OHMM	@ 75 DEGF
RMF AT MEAS. TEMP.	0.93 OHMM	@ 75 DEGF
RMC AT MEAS. TEMP.	1.49 OHMM	@ 75 DEGF
SOURCE OF RMF	C	C
RM AT BHT	0.57 OHMM	@ 164 DEGF
TIME SINCE CIRCULATION	9 HOURS	
MAX. RECORDED TEMP.	164 DEGF	
EQUIP. NO.	HL-6844	VICTORIA, TX
RECORDED BY	J CARTER	
WITNESSED BY	C. NEWMAN	

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.

REMARKS

RUN 1 TRIP 1: BVOL = TOTAL BOREHOLE VOLUME
 CVOL = TOTAL CEMENT VOLUME BASED ON 9.625" CSG

HL-6844 CREW: J. CARTER, L. ULLMANN, S. MILLIGAN, G. HERMAN

EQUIPMENT DATA			
RUN	TRIP	TOOL	POSITION
1	1	TTRM	1.5" S.O.
1	1	WTS	1.5" S.O.
1	1	GR	1.5" S.O.
1	1	HDIL	1.5" S.O.
1	1	6CAL	6 ARM
1	1	CENT	CENT

MAIN LOG 1"/100FT SCALE

ECLIPS 7.0wu1 PC-ECLIPS General Release Rel 7.0w Update 1 Wed Jul 25 15:19:34 Central Daylight Time 2018
 Updates: 32 Patches: 9

Plotted: Mon Aug 17 04:25:30 2020

CURVE DESCRIPTION REPORT

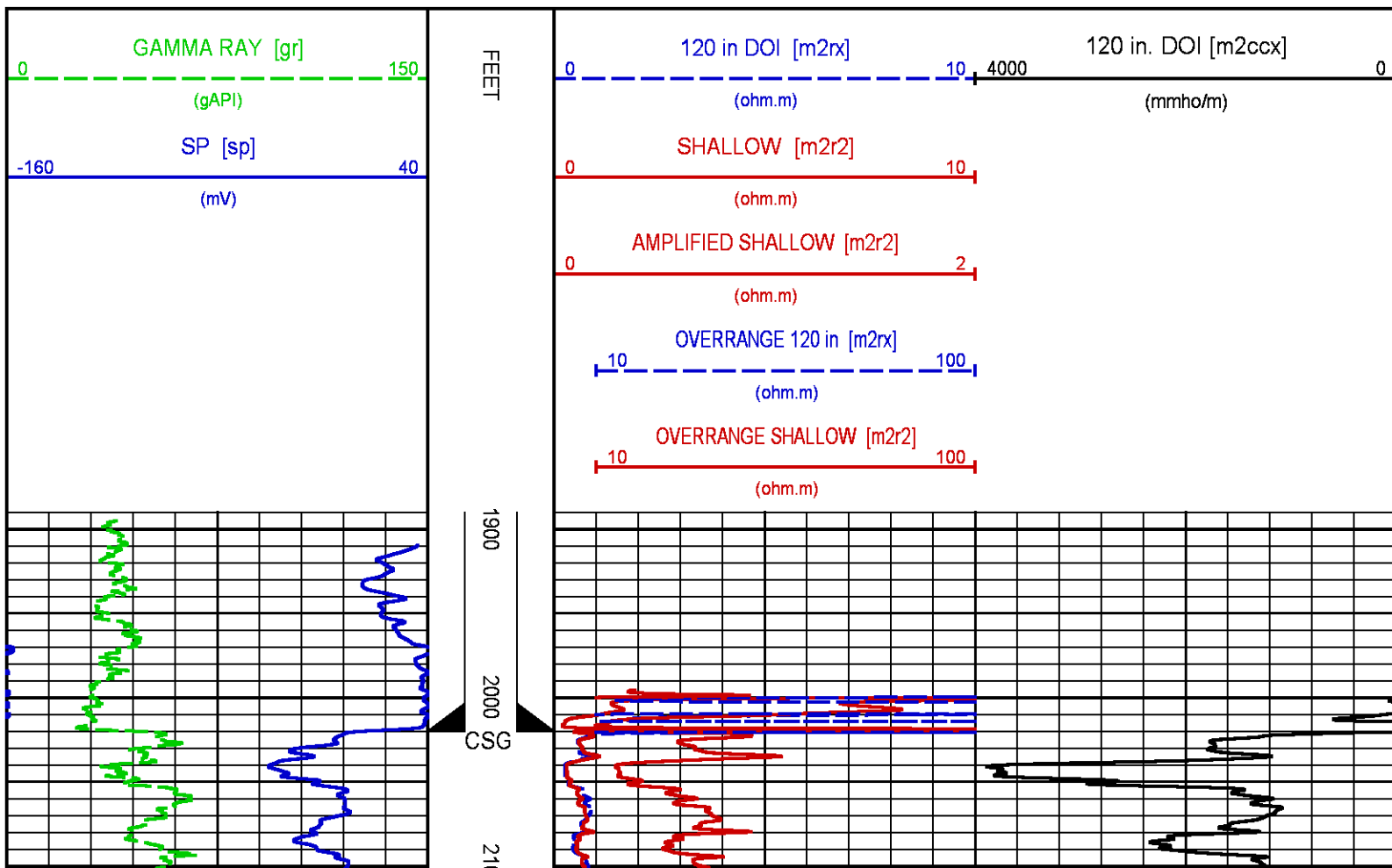
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
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F1:M2CCX	Aug 17 01:52:58 2020	HDIL 2-FOOT RESOLUTION COMPRESSED CONDUCTIVITY, 120-INCH DOI
F1:M2R2	Aug 17 01:52:58 2020	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2RX	Aug 17 01:52:58 2020	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 120-INCH DOI
F1:SP	Aug 17 01:52:58 2020	SPONTANEOUS POTENTIAL

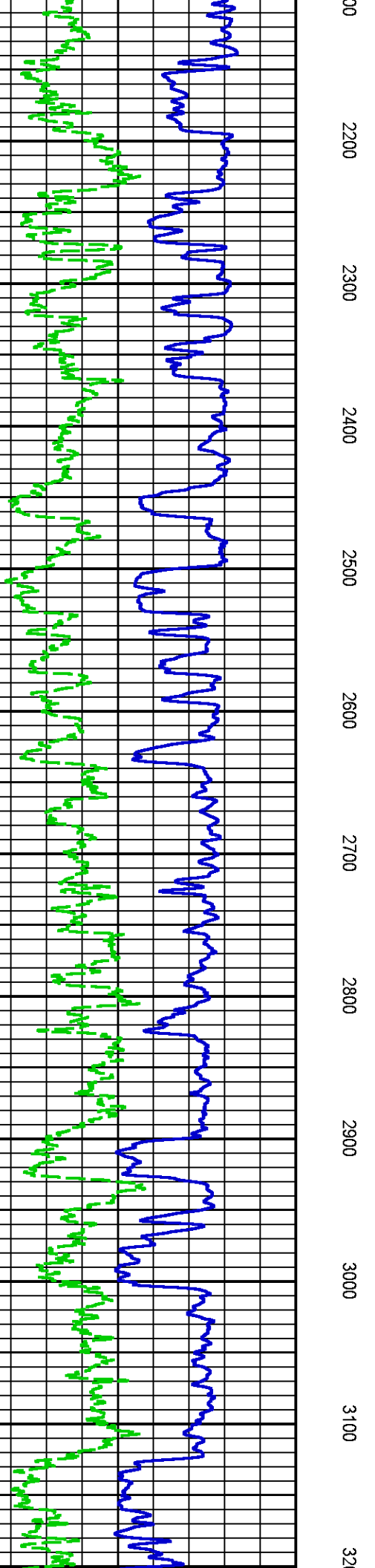
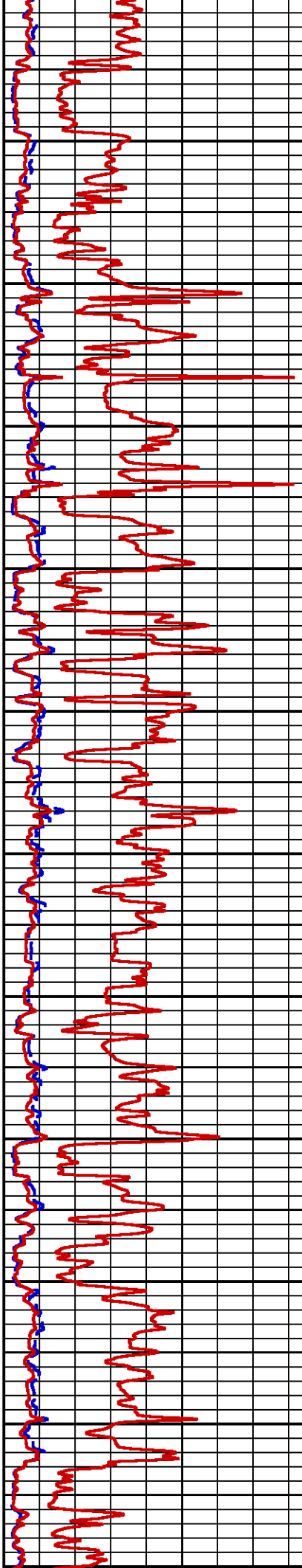
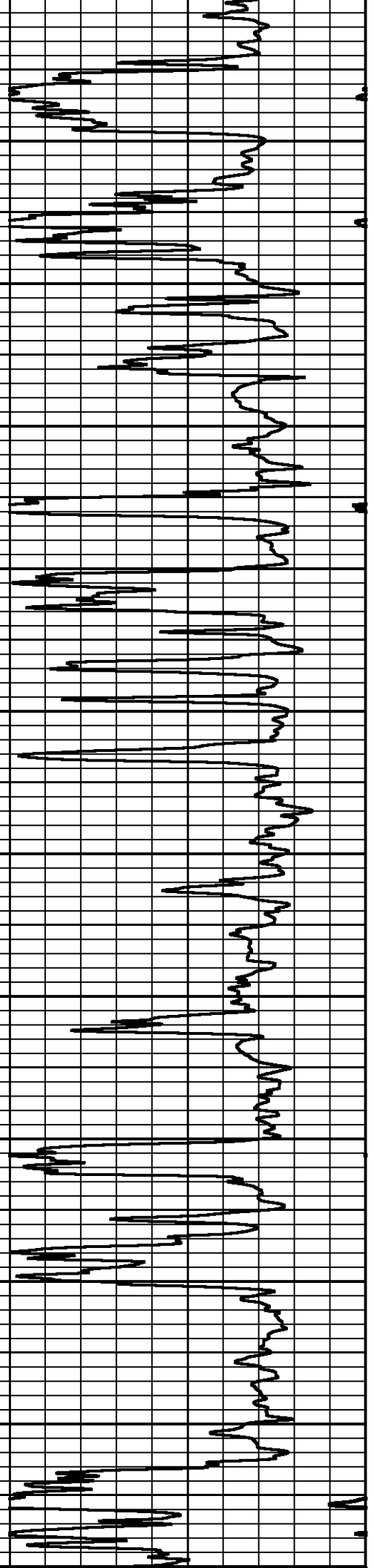
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
GR	-40.50	M2R2	-19.75	SP	-25.75		
M2CCX	-19.75	M2RX	-19.75				

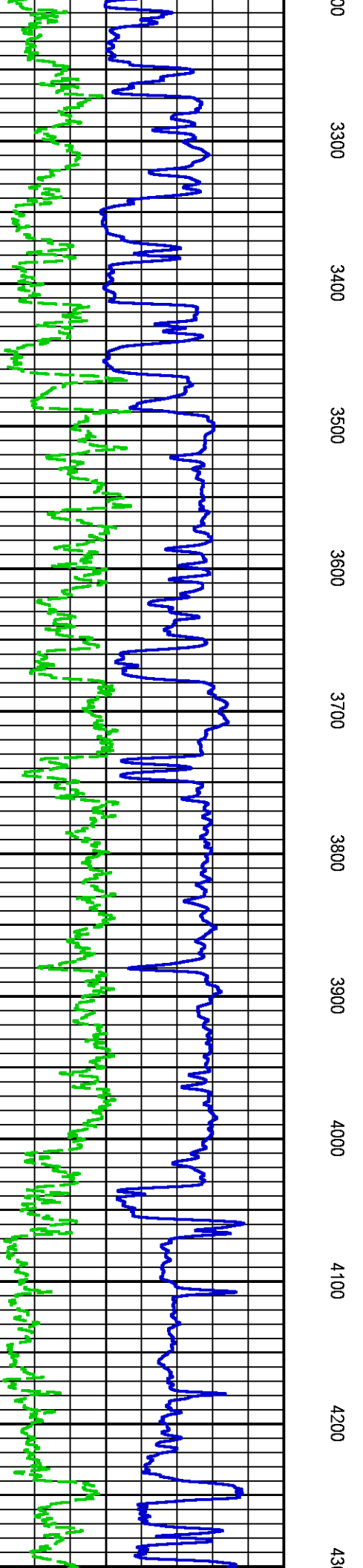
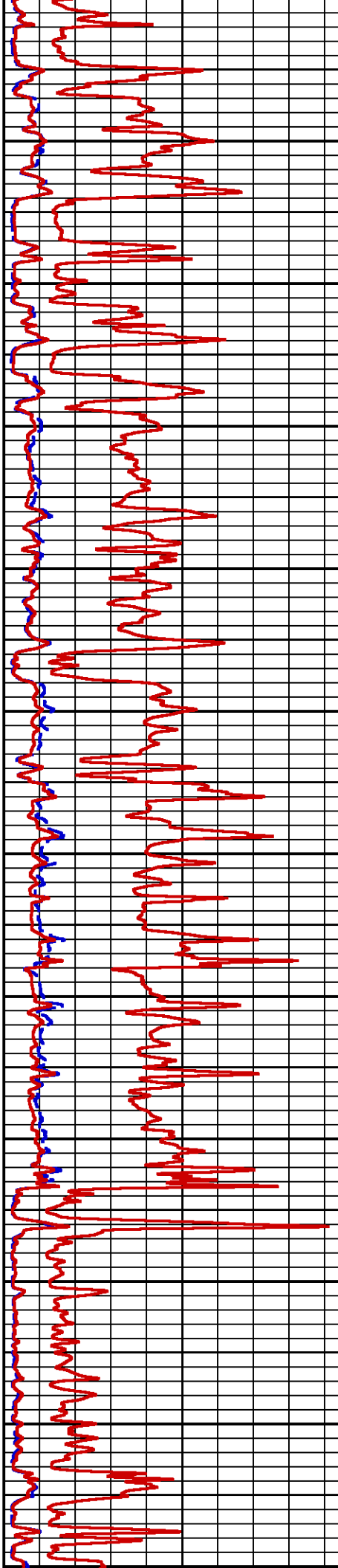
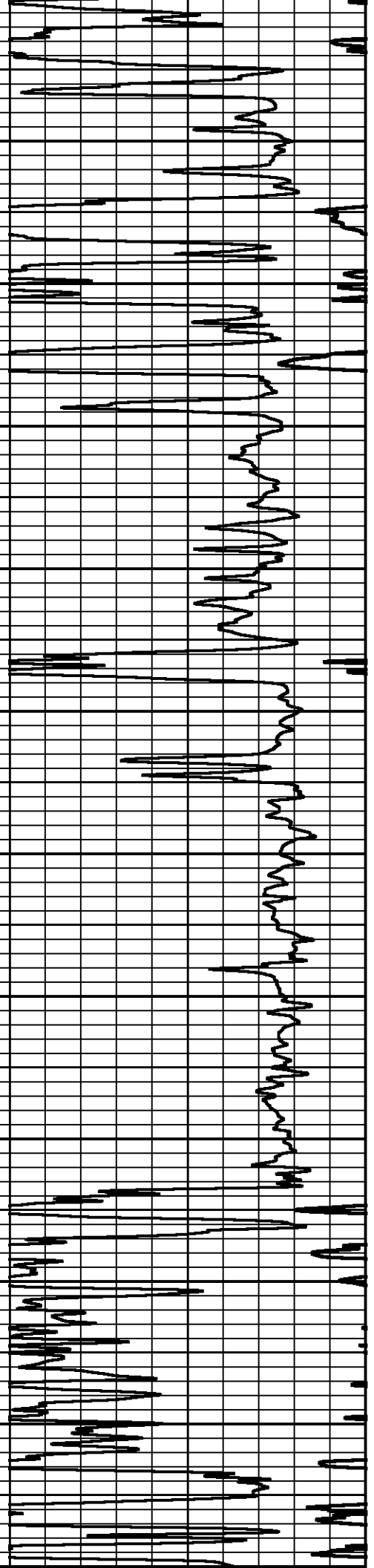
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Plot Interval : 1894.75 - 7950 Feet

Data File 1 : F1 : BHICCBY0S2:E:\dat1a\149_kebo_blackstone_1_170698\MAIN.xtf
Created On : Aug 17 01:52:58 2020
Company : KEBO OIL & GAS, INC.
Well : BLACK STONE #1
Field : WILDCAT
File Interval : 1880.25 - 7906.75 Feet
OCT : p777q_MS

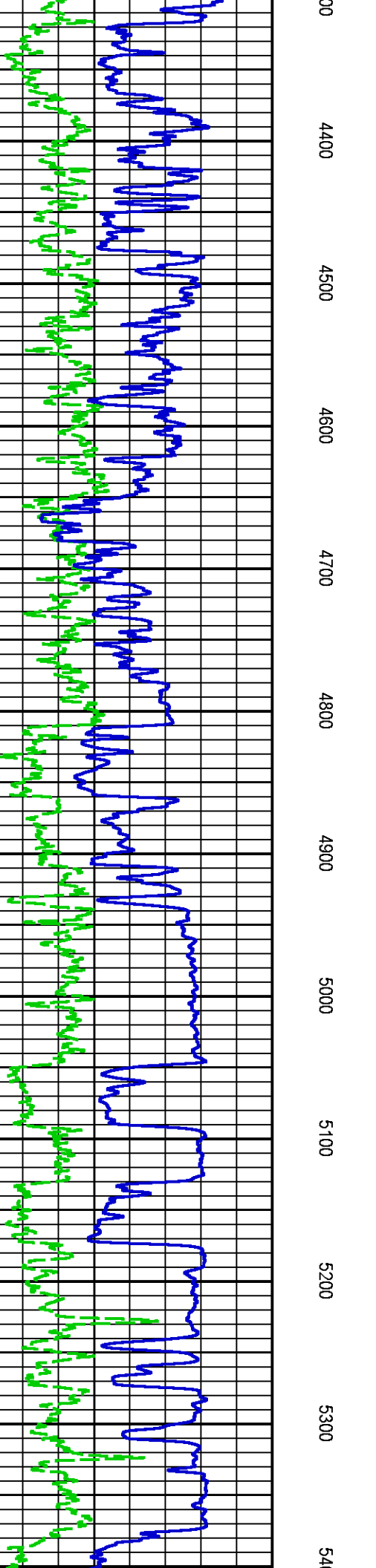
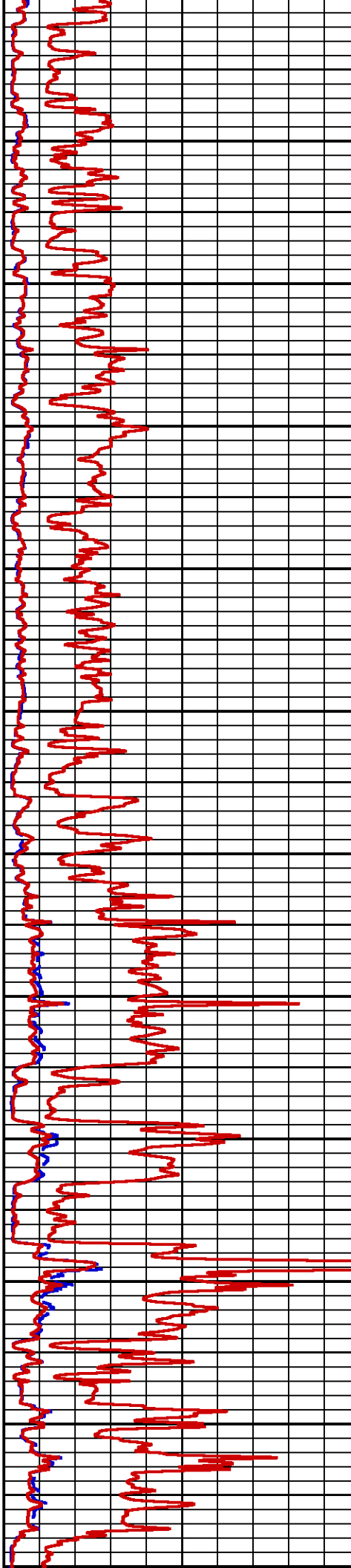
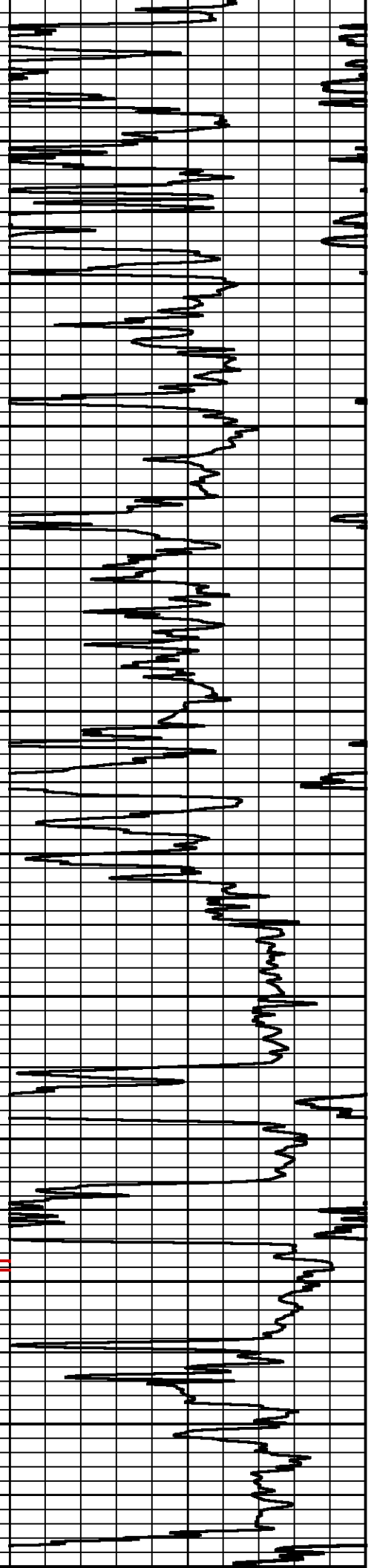




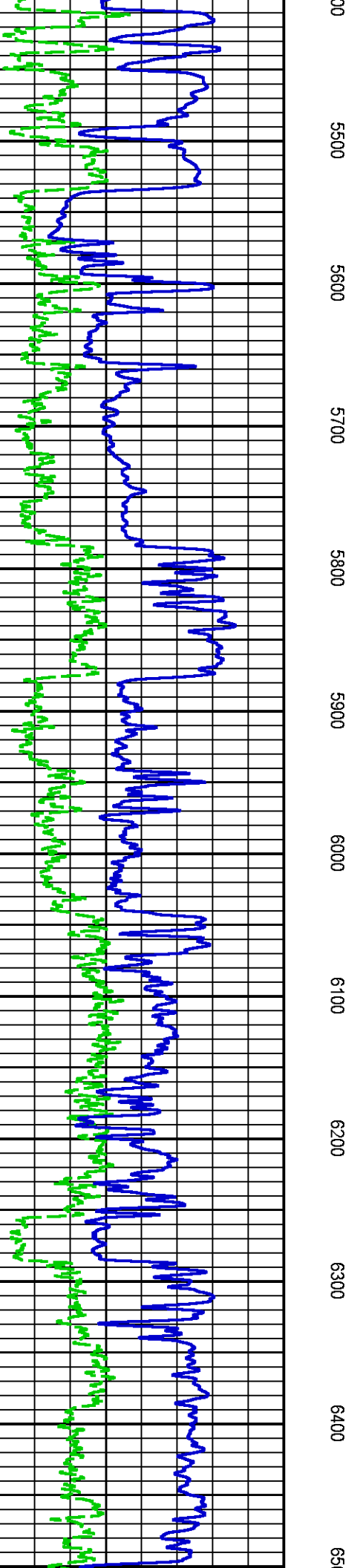
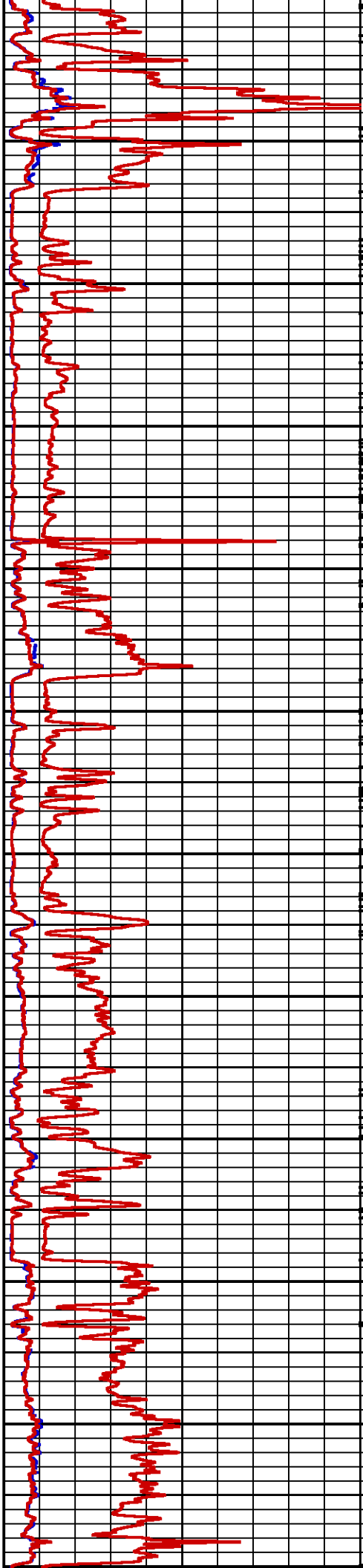
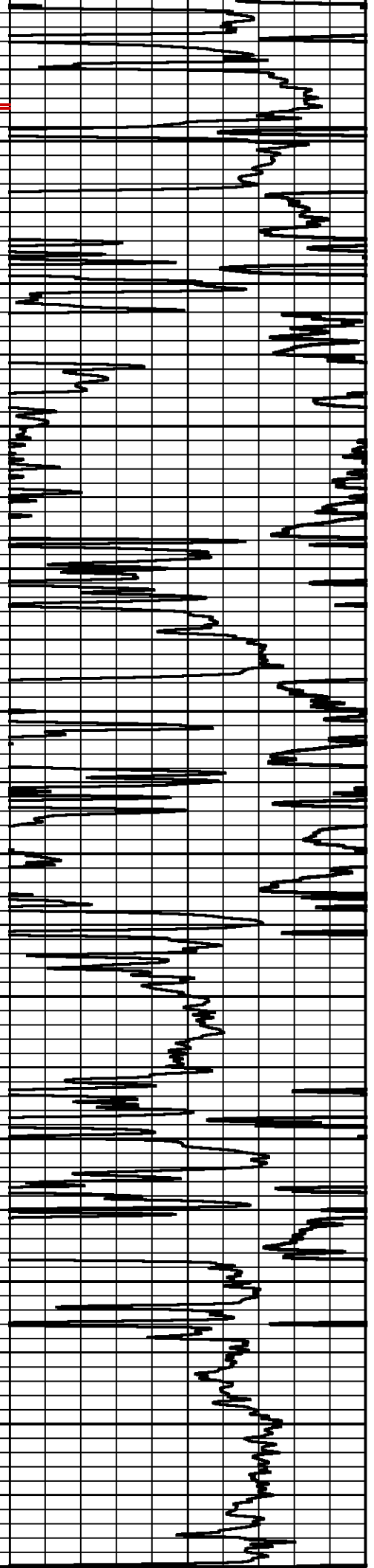
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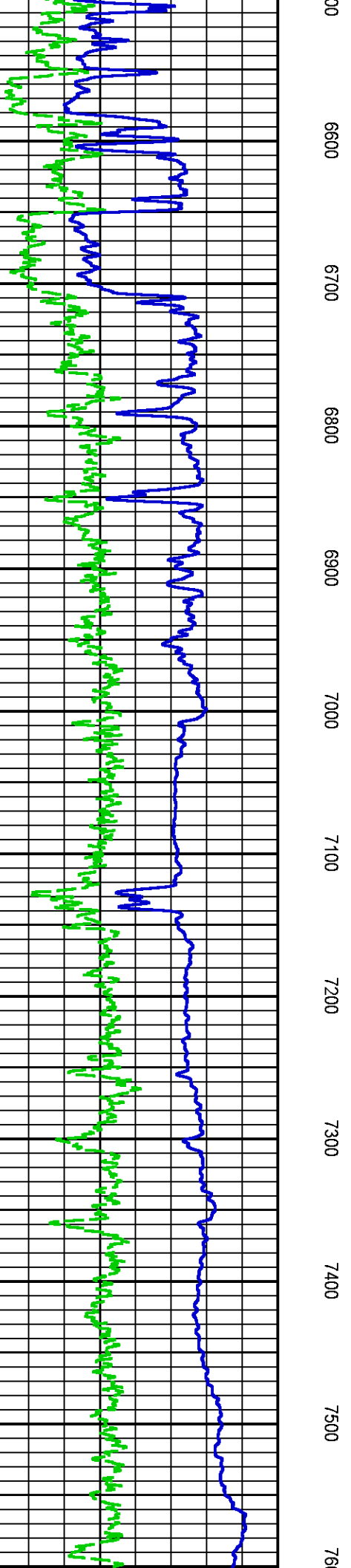
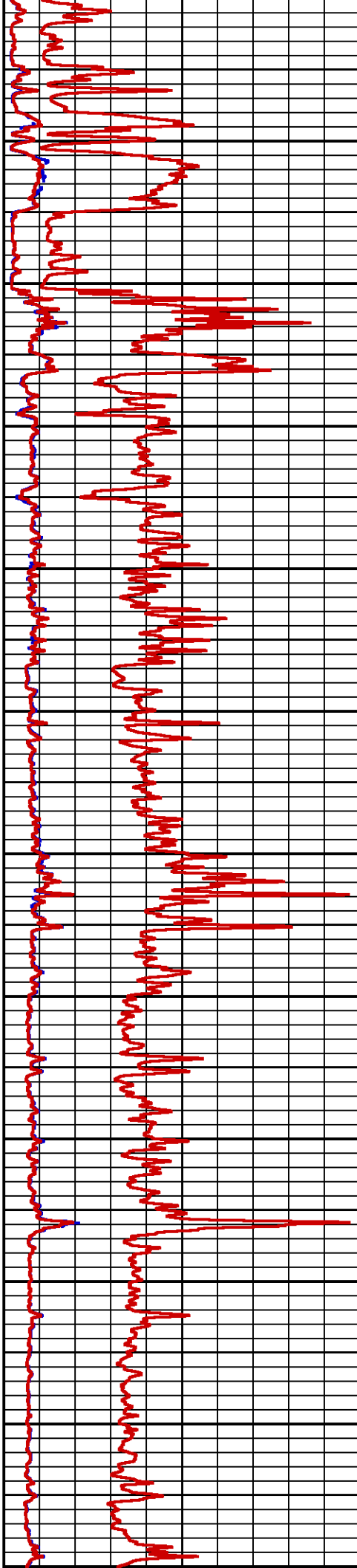
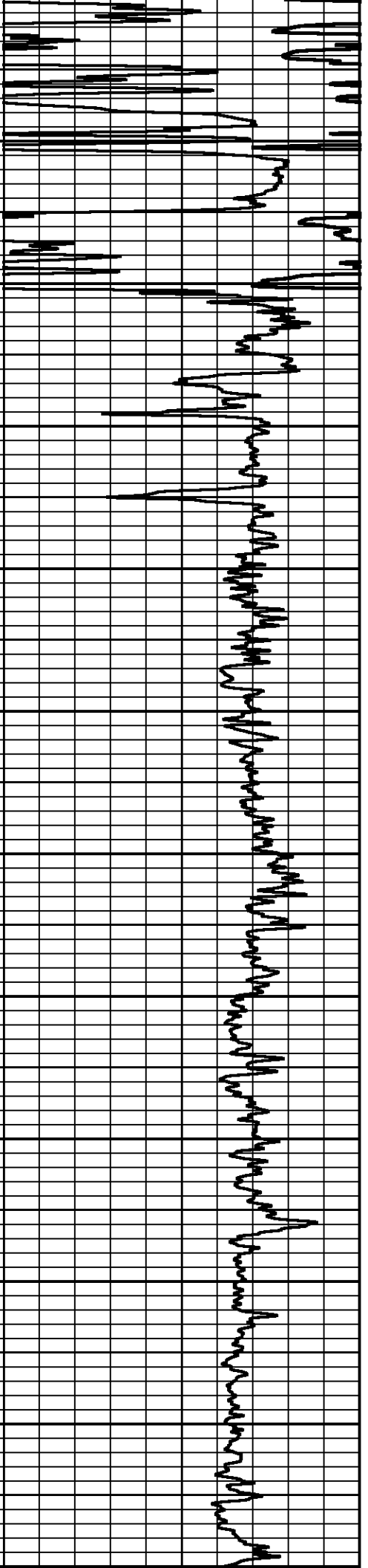
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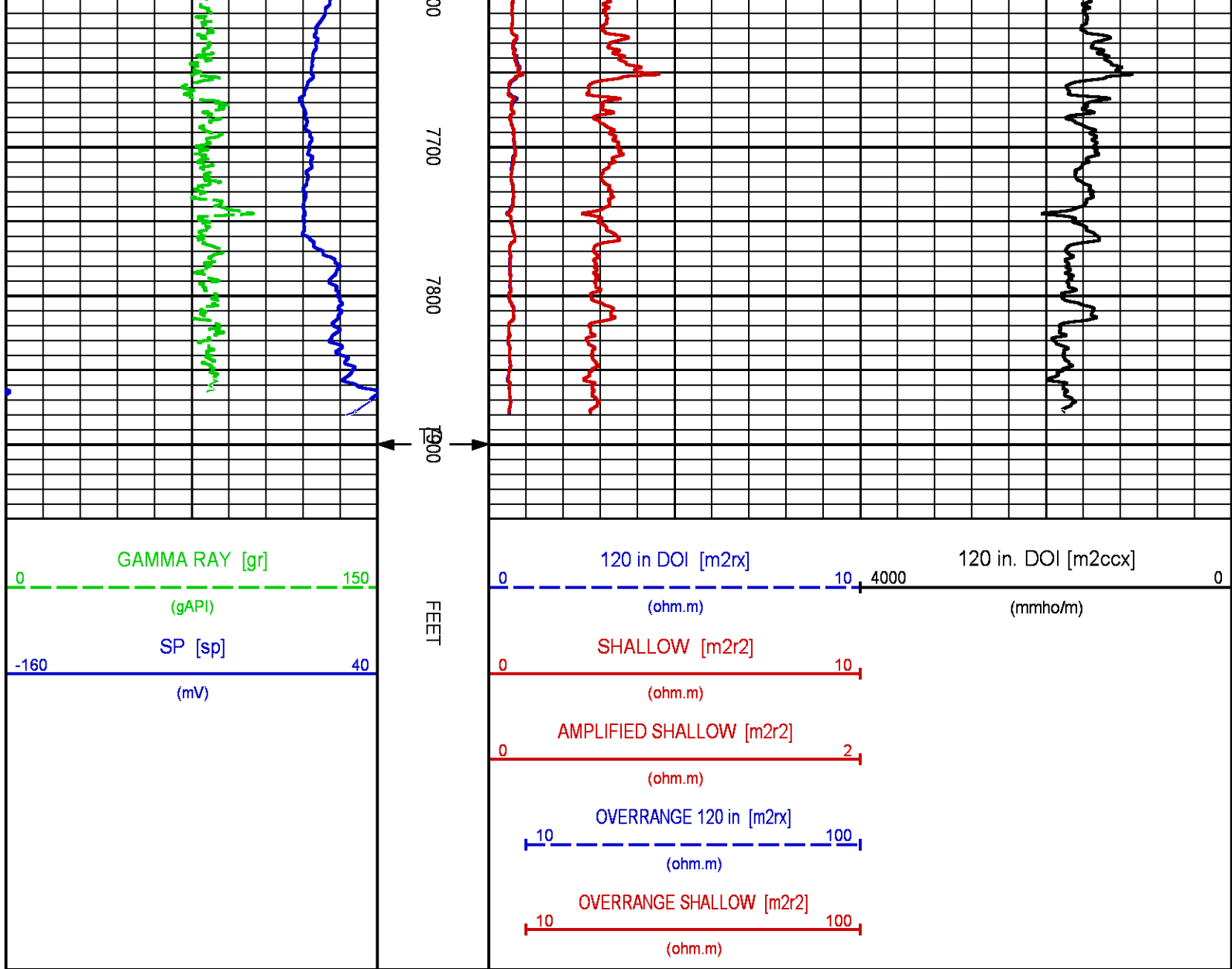
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00 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 65



00 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 76



MAIN LOG 5"/100FT SCALE

ECLIPS 7.0wu1 PC-ECLIPS General Release Rel 7.0w Update 1 Wed Jul 25 15:19:34 Central Daylight Time 2018
 Updates: 32 Patches: 9

Plotted: Mon Aug 17 05:06:18 2020

PARAMETER AND FILTER SUMMARY REPORT

FILE: E:\dat1a\149_kebo_blackstone_1_170698\p777q_MS_6CAL03.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 1934.000 ft BOTTOM DEPTH: 7906.750 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
TENSION	FILTER ()	medium (1)		TOP	BOTTOM
GR	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"

SP-SPDH	FILTER ()	heavy (3)	"	"
CALIPER	FILTER	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 SAMPLE RESISTIVITY	MUD SAMPLE TEMP	77.0	degF	"	"
	MUD SAMPLE RES	1.000	ohm.m	"	"
BOREHOLE TEMP from GRADIENT	Known BH REF TEMP	77.0	degF	"	"
	at BH REF DEPTH	0.0	ft	"	"
	with TEMP GRADIENT	1.200	0.01 degF/ft	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	12.250	in	"	"
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		"	"

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTEMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	STANDOFF		"	"
	STANDOFF	1.50	in	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmud MULTIPLIER	1.000		"	"
HDIL High RESISTIVITY Normalization	VRM Norm	ON		"	"

CURVE DESCRIPTION REPORT

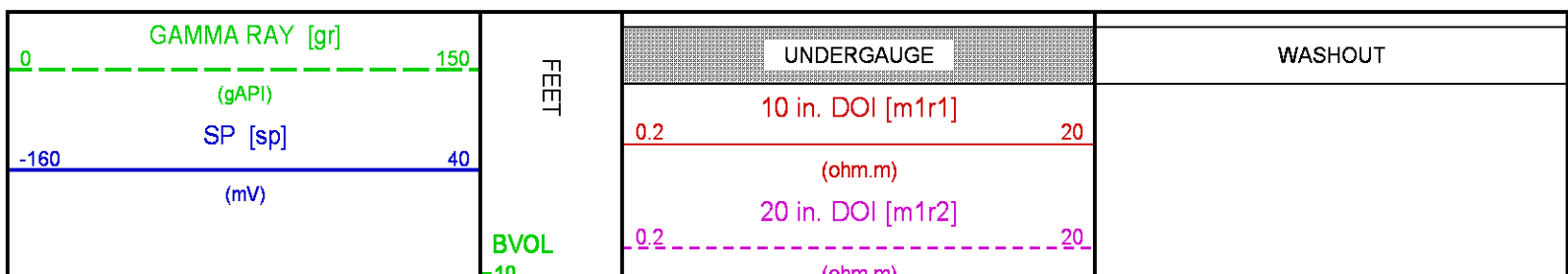
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BVOL	Aug 17 01:52:58 2020	BOREHOLE VOLUME
F1:CAL	Aug 17 01:52:58 2020	CALIPER
F1:CVOL	Aug 17 01:52:58 2020	CEMENT VOLUME
F1:GR	Aug 17 01:52:58 2020	GAMMA RAY
F1:M1R1	Aug 17 01:52:58 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M1R2	Aug 17 01:52:58 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M1R3	Aug 17 01:52:58 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M1R6	Aug 17 01:52:58 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M1R9	Aug 17 01:52:58 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:M1RX	Aug 17 01:52:58 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 120-INCH DOI
F1:SP	Aug 17 01:52:58 2020	SPONTANEOUS POTENTIAL
F1:TEN	Aug 17 01:52:58 2020	DIFFERENTIAL TENSION

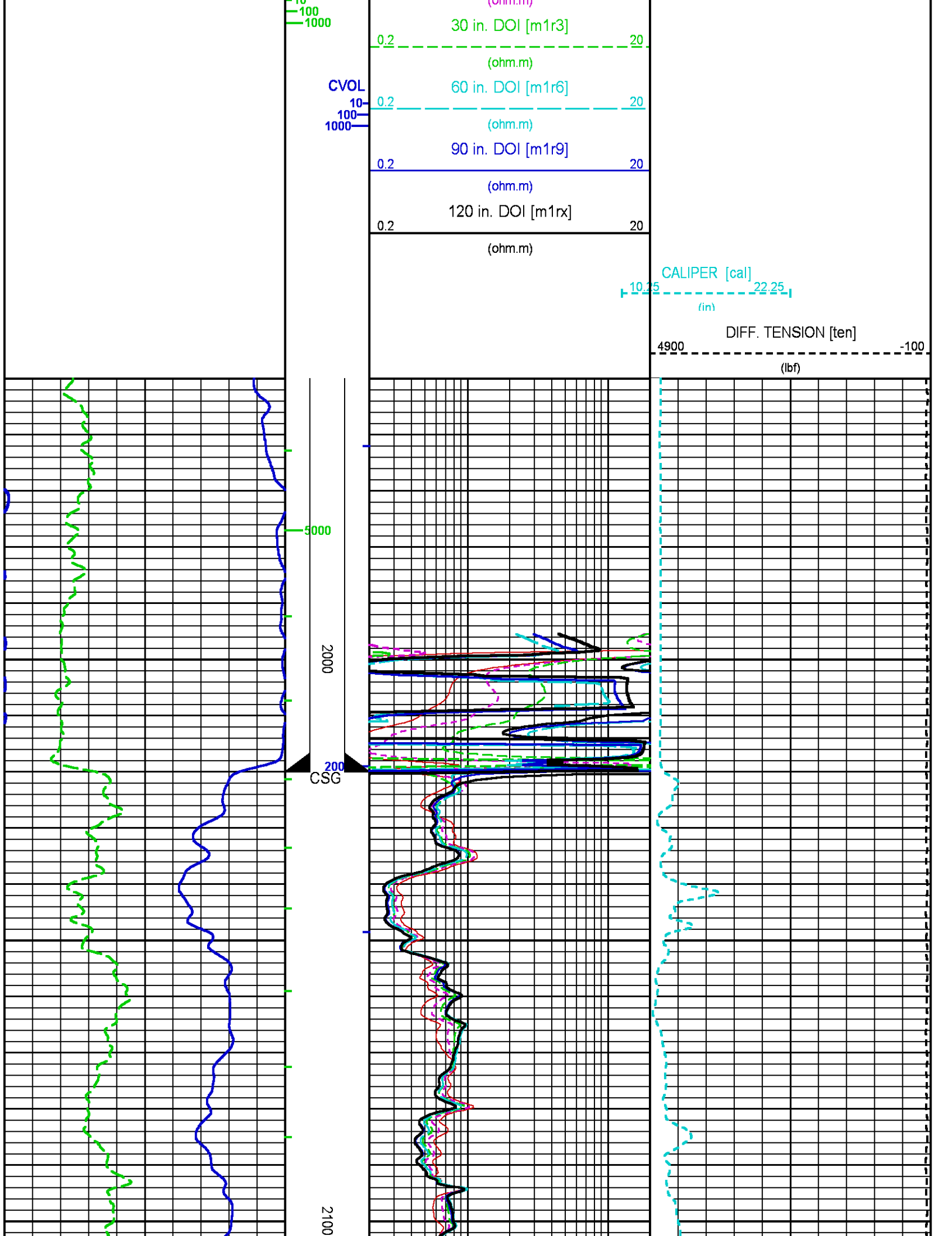
CURVE MEASURE POINT OFFSET

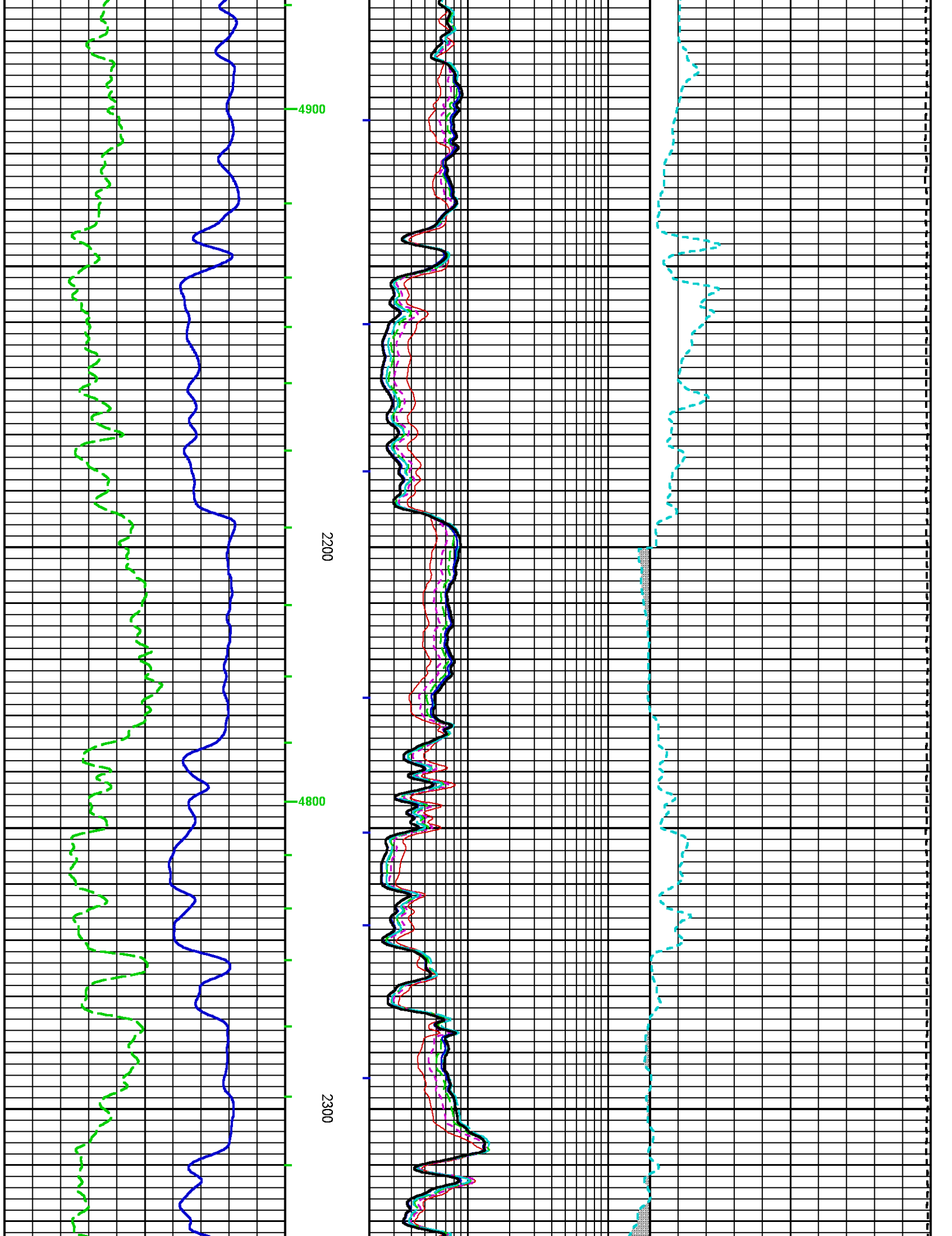
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CAL	-7.00	M1R2	-19.75	M1R9	-19.75	TEN	0.00
GR	-40.50	M1R3	-19.75	M1RX	-19.75		
M1R1	-19.75	M1R6	-19.75	SP	-25.75		

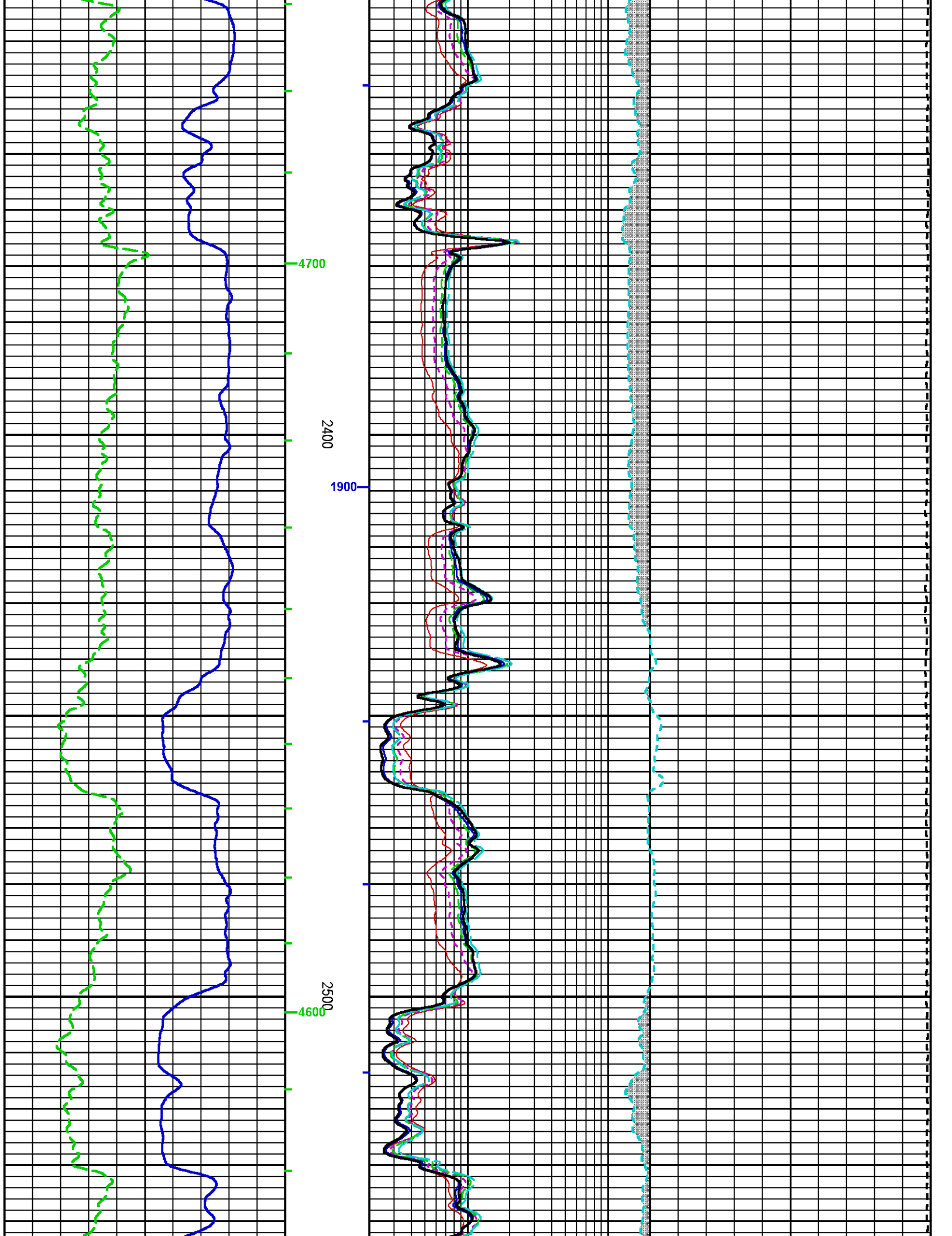
Presentation : BHICCBY0S2:E:\dat1a\149_kebo_blackstone_1_170698\5+MAIN.fvpdf [5"/100' Scale]
Plot Interval : 1950 - 7930 Feet

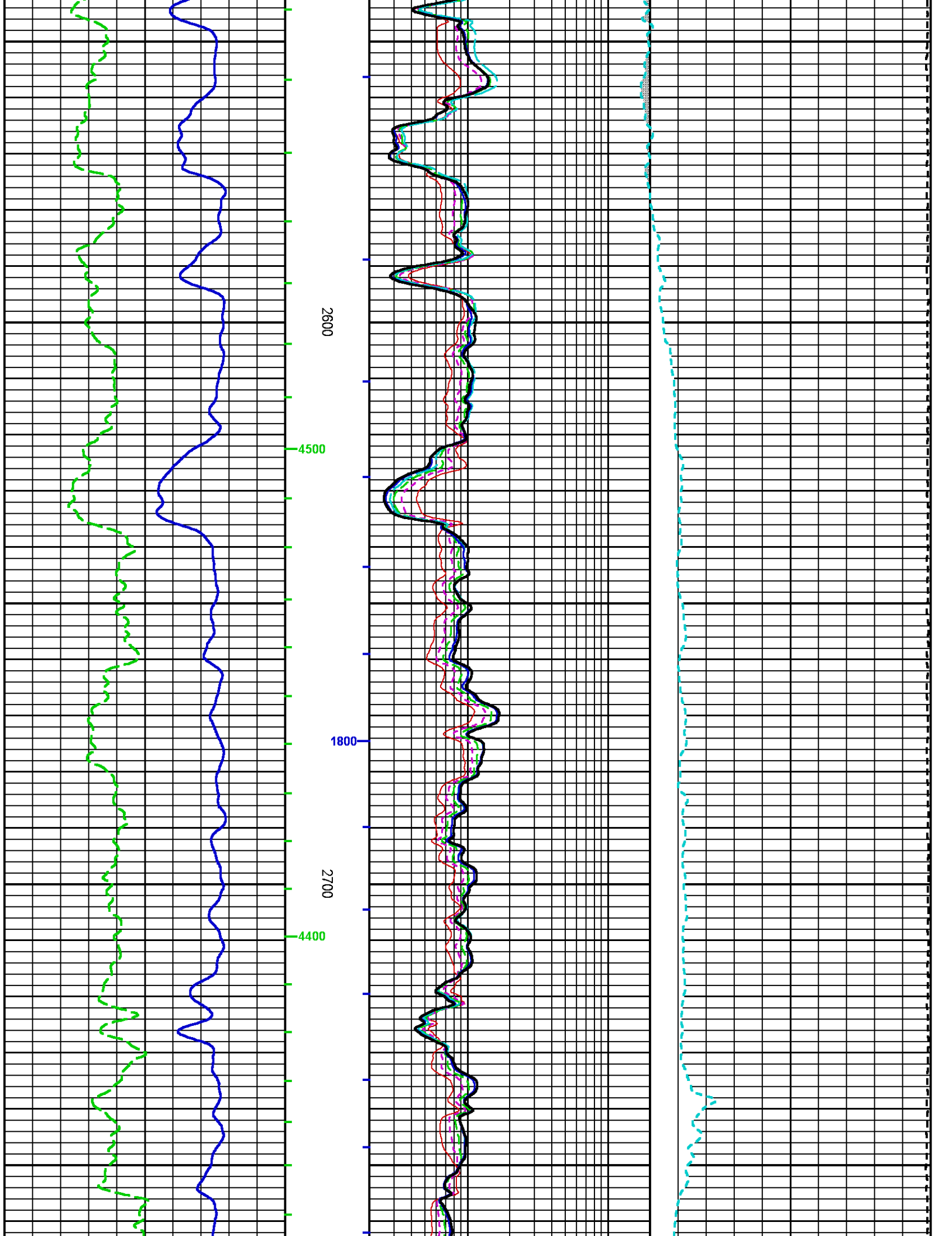
Data File 1 : F1 : BHICCBY0S2:E:\dat1a\149_kebo_blackstone_1_170698\MAIN.xtf
Created On : Aug 17 01:52:58 2020
Company : KEBO OIL & GAS, INC.
Well : BLACK STONE #1
Field : WILDCAT
File Interval : 1880.25 - 7906.75 Feet
OCT : p777q_MS

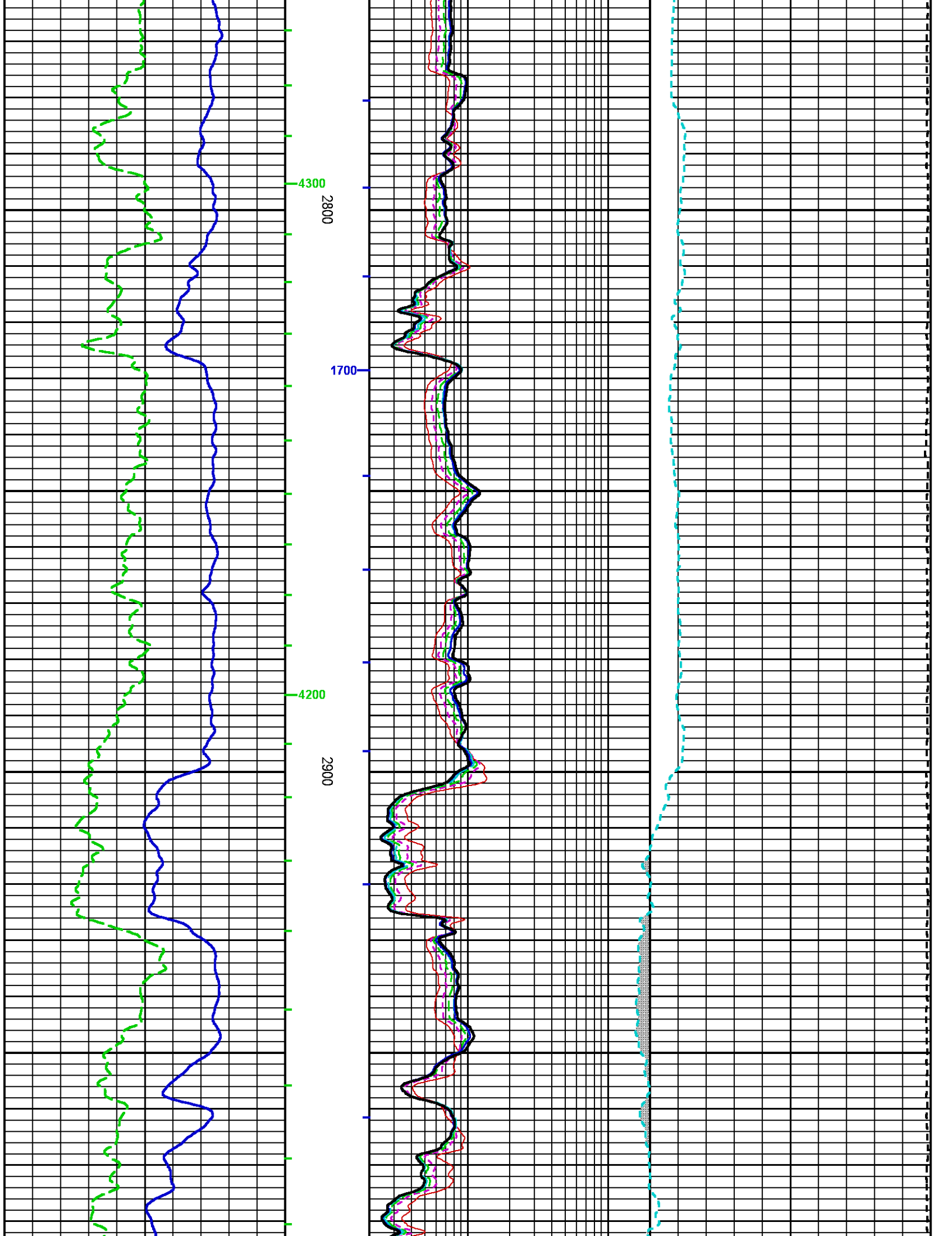


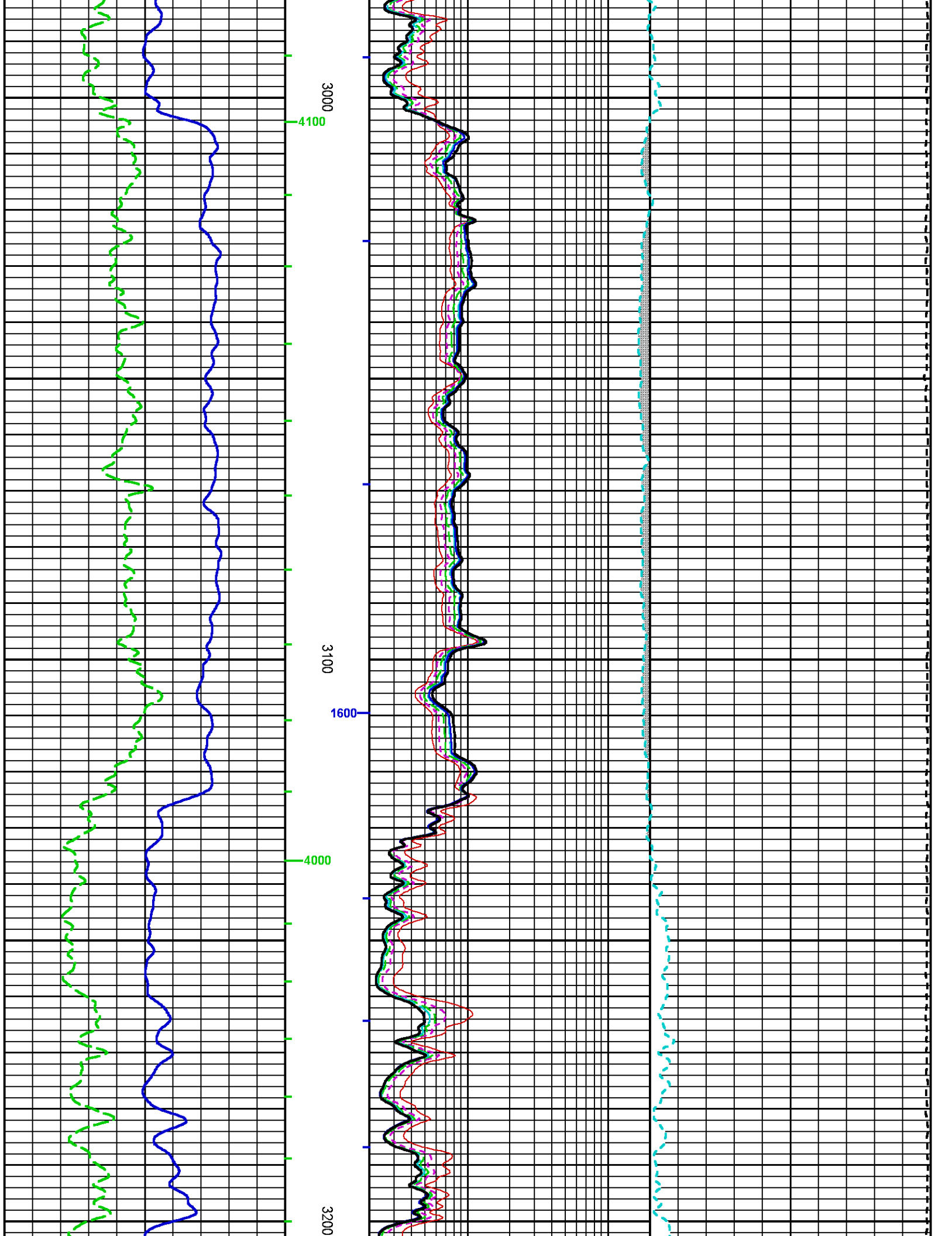


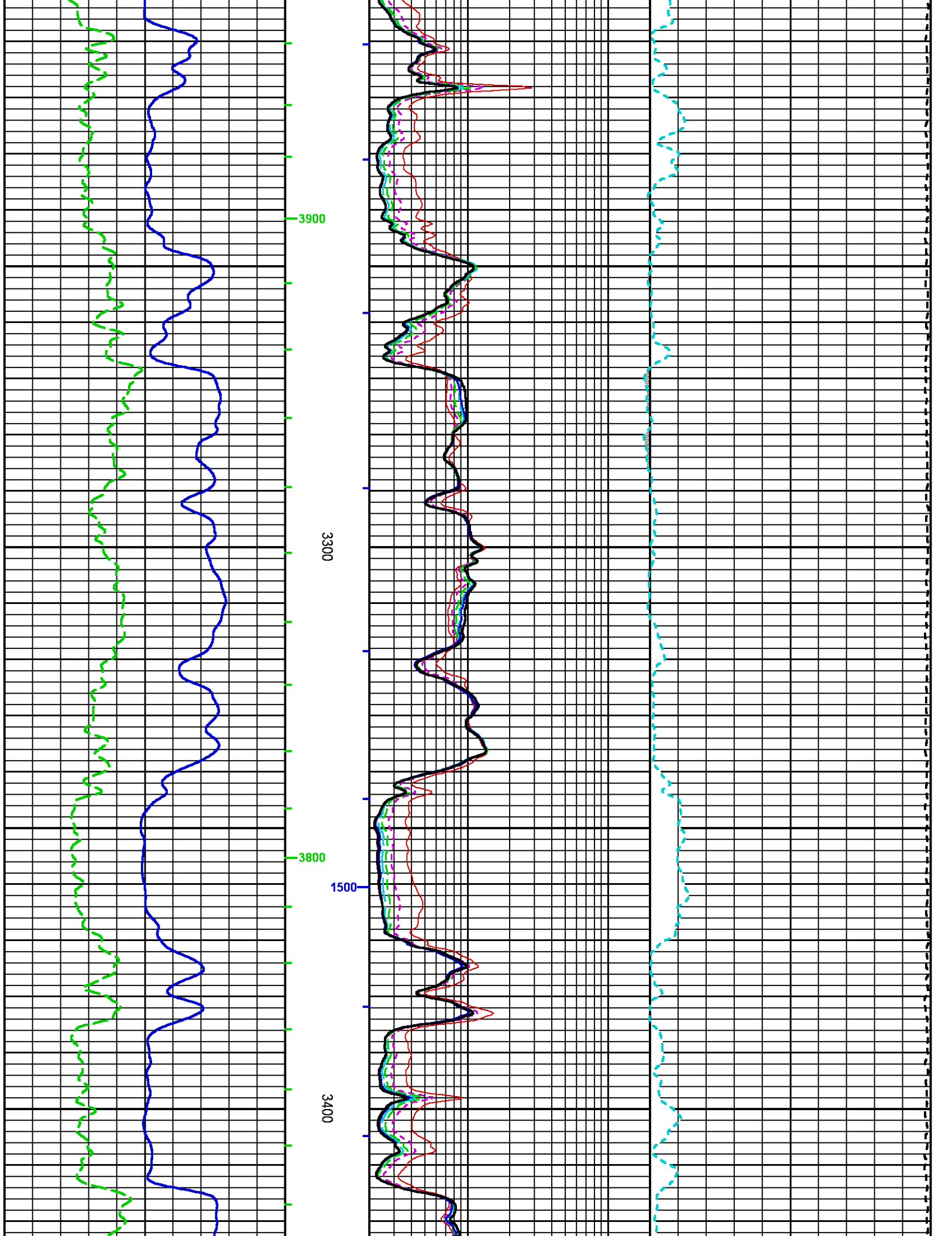


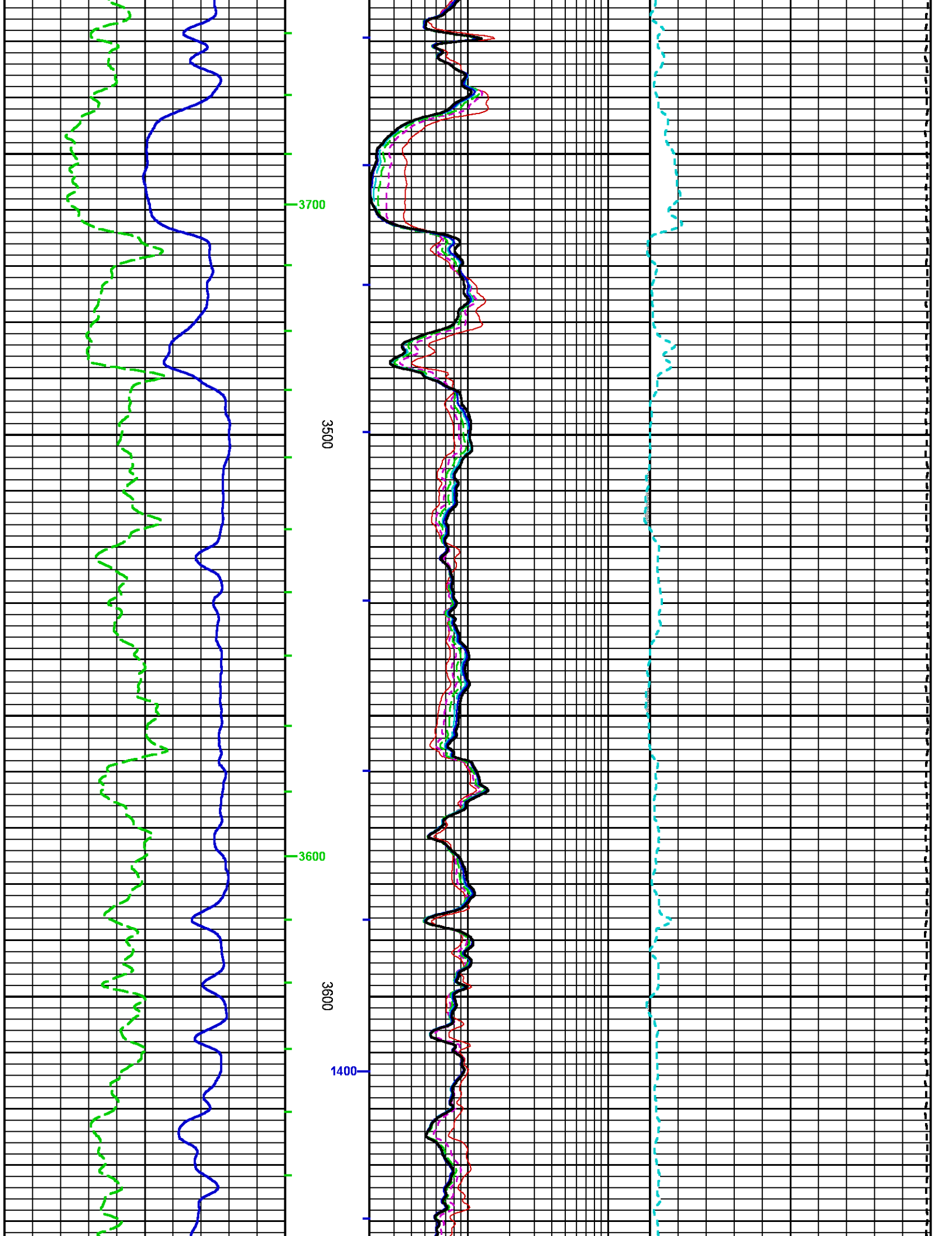


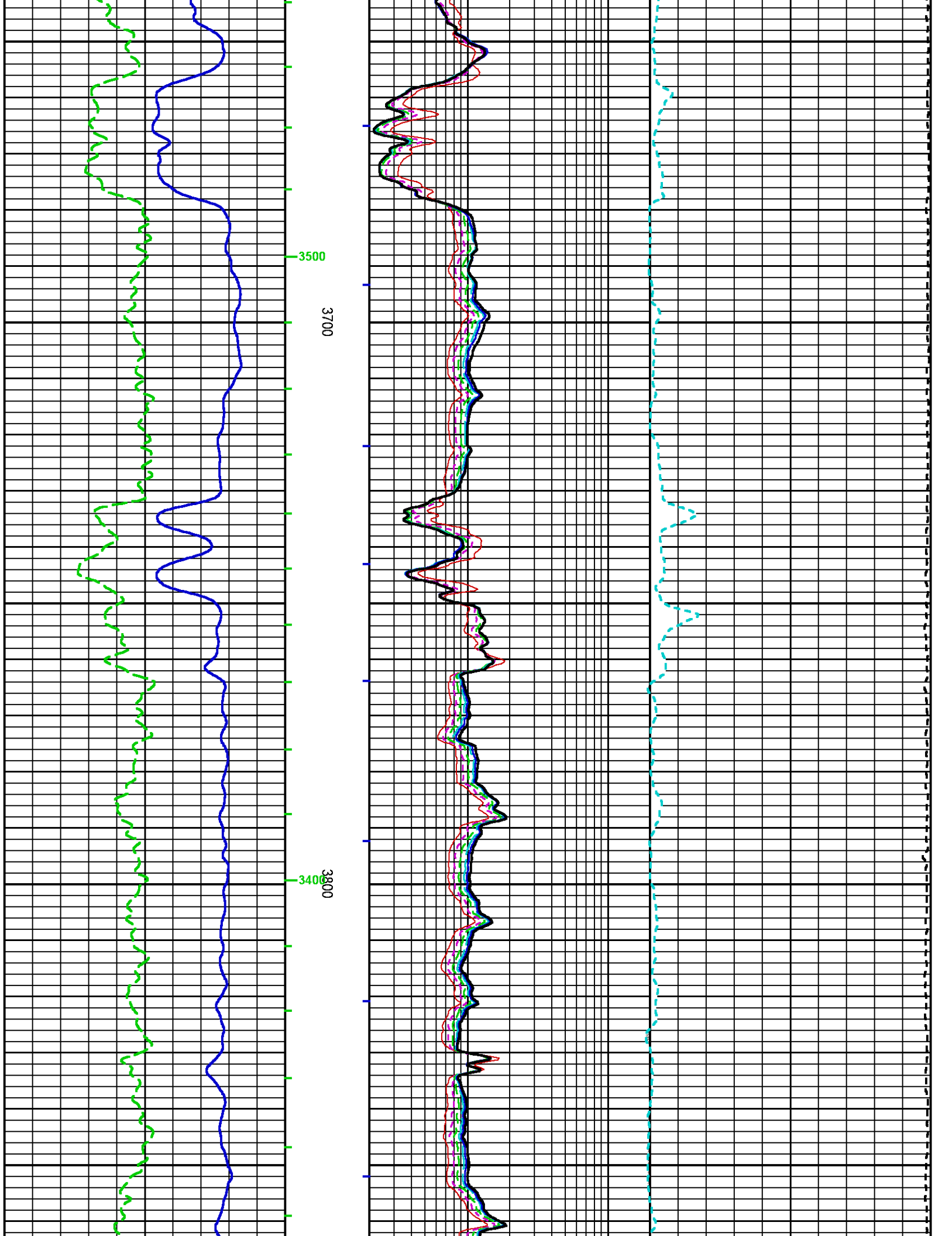


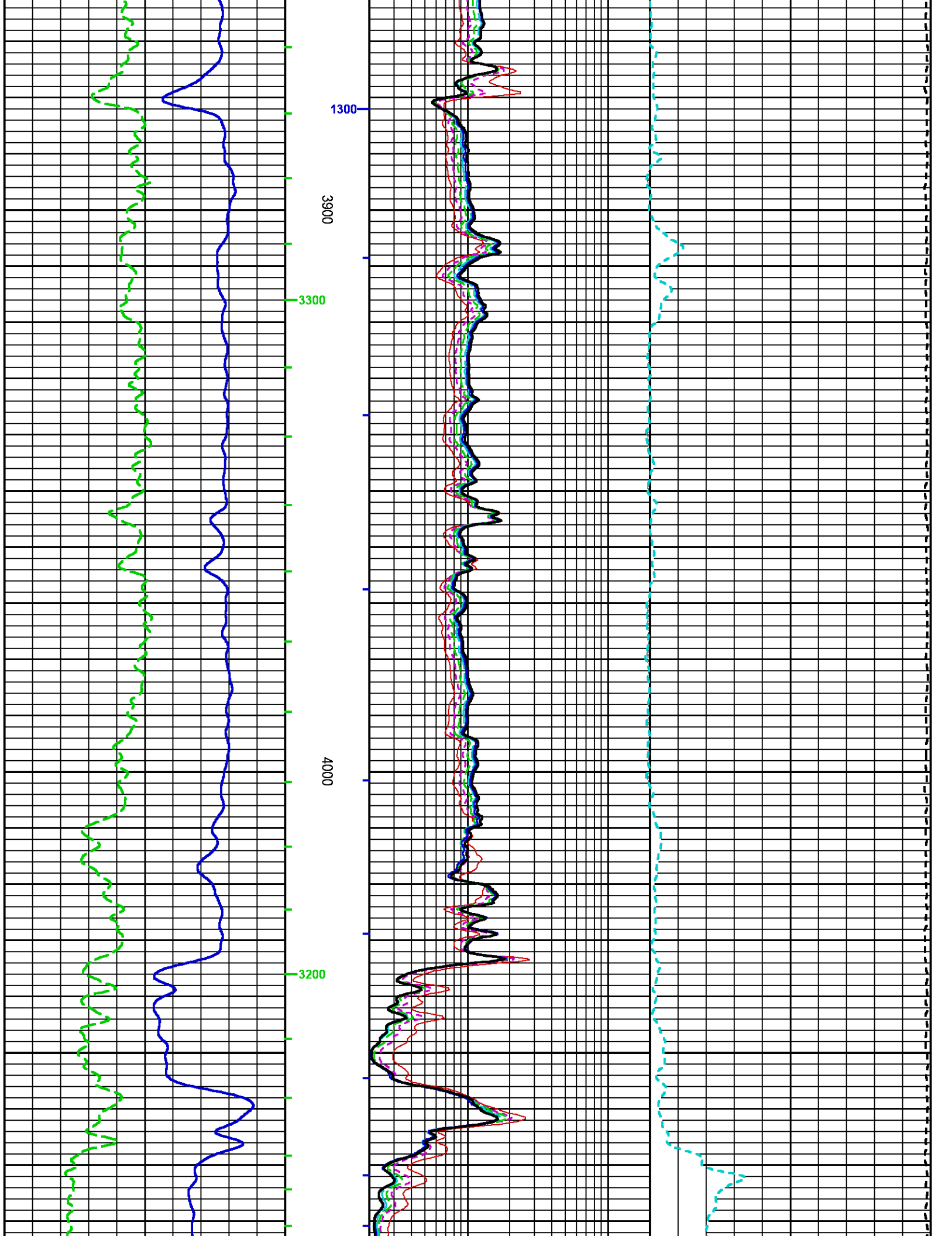


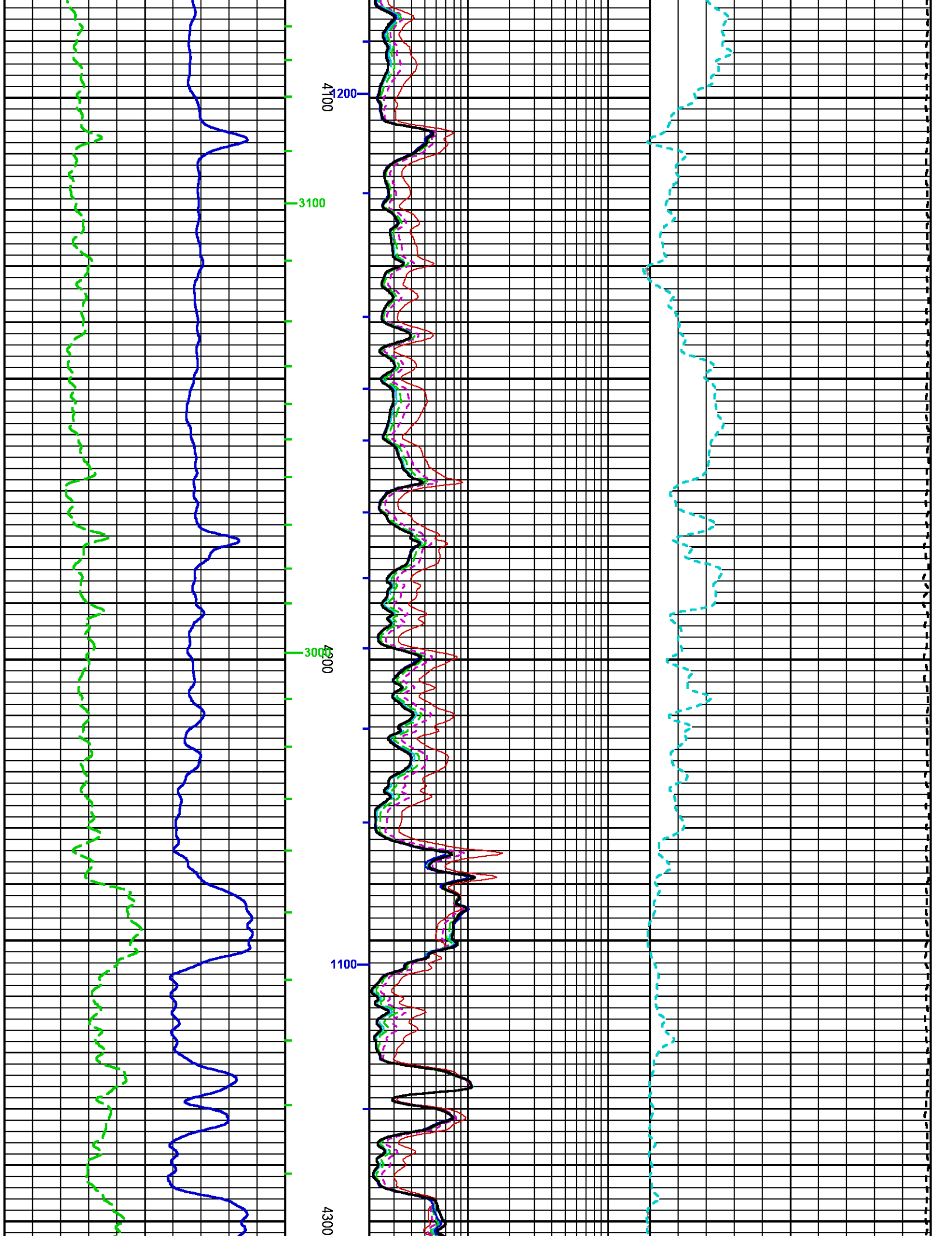


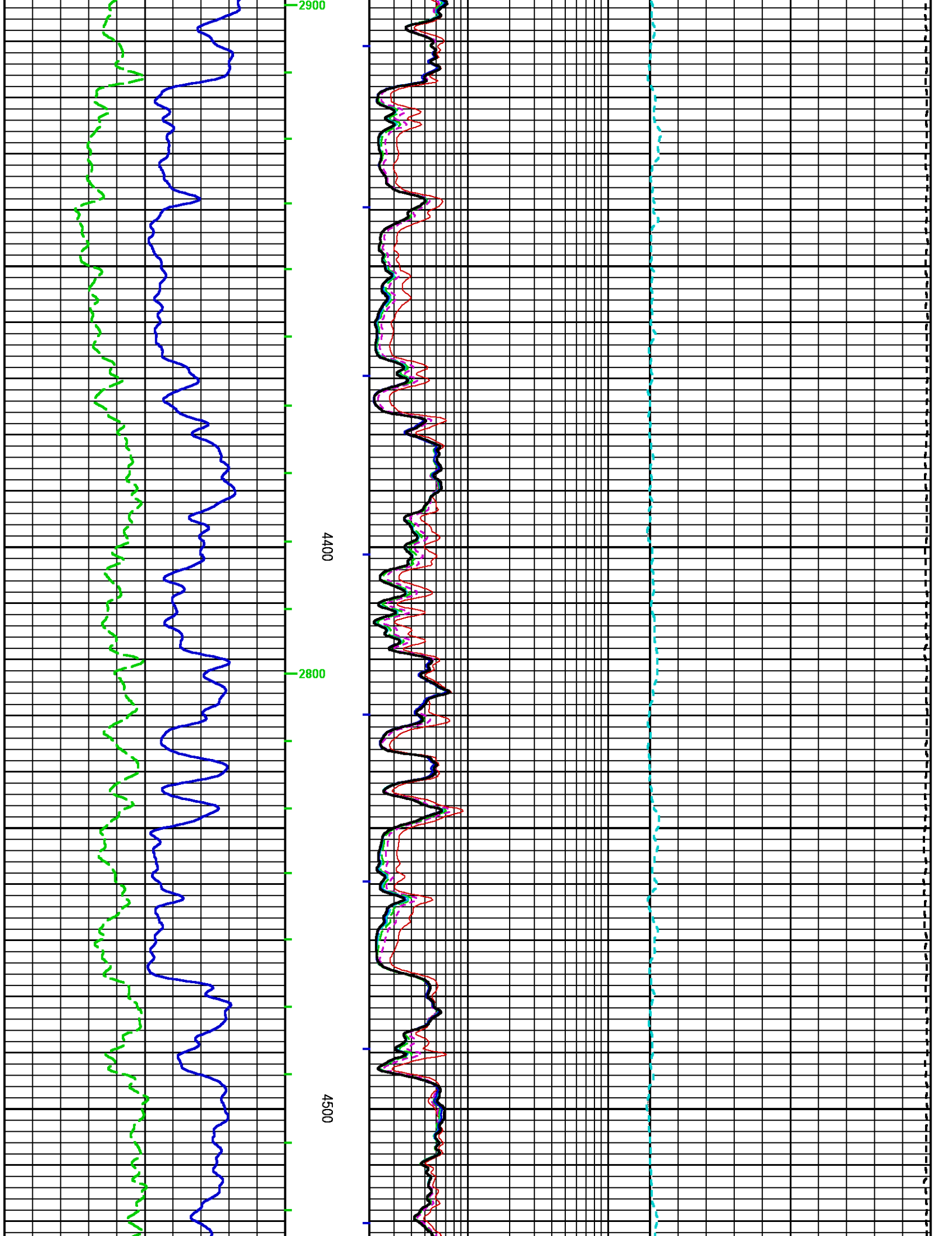


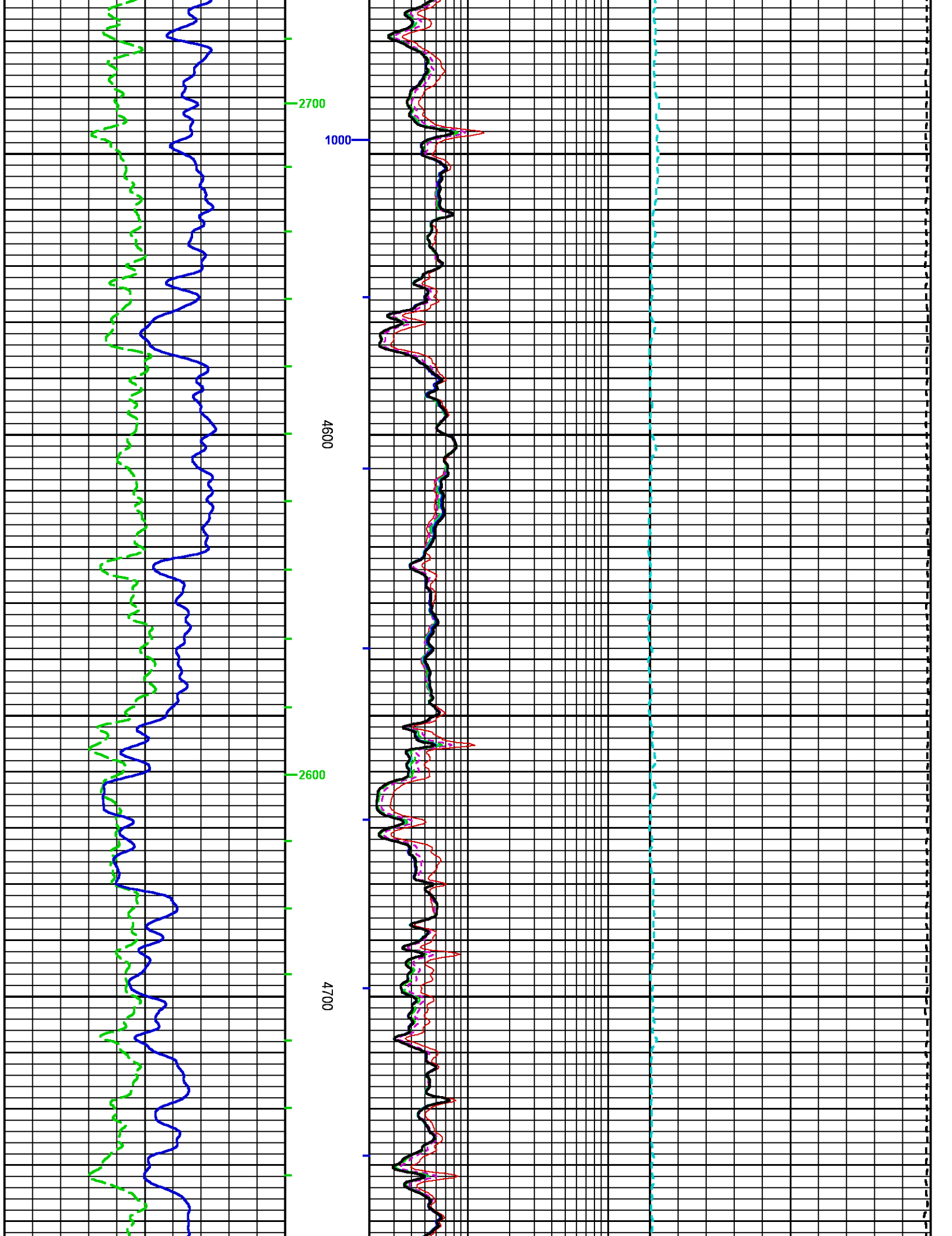


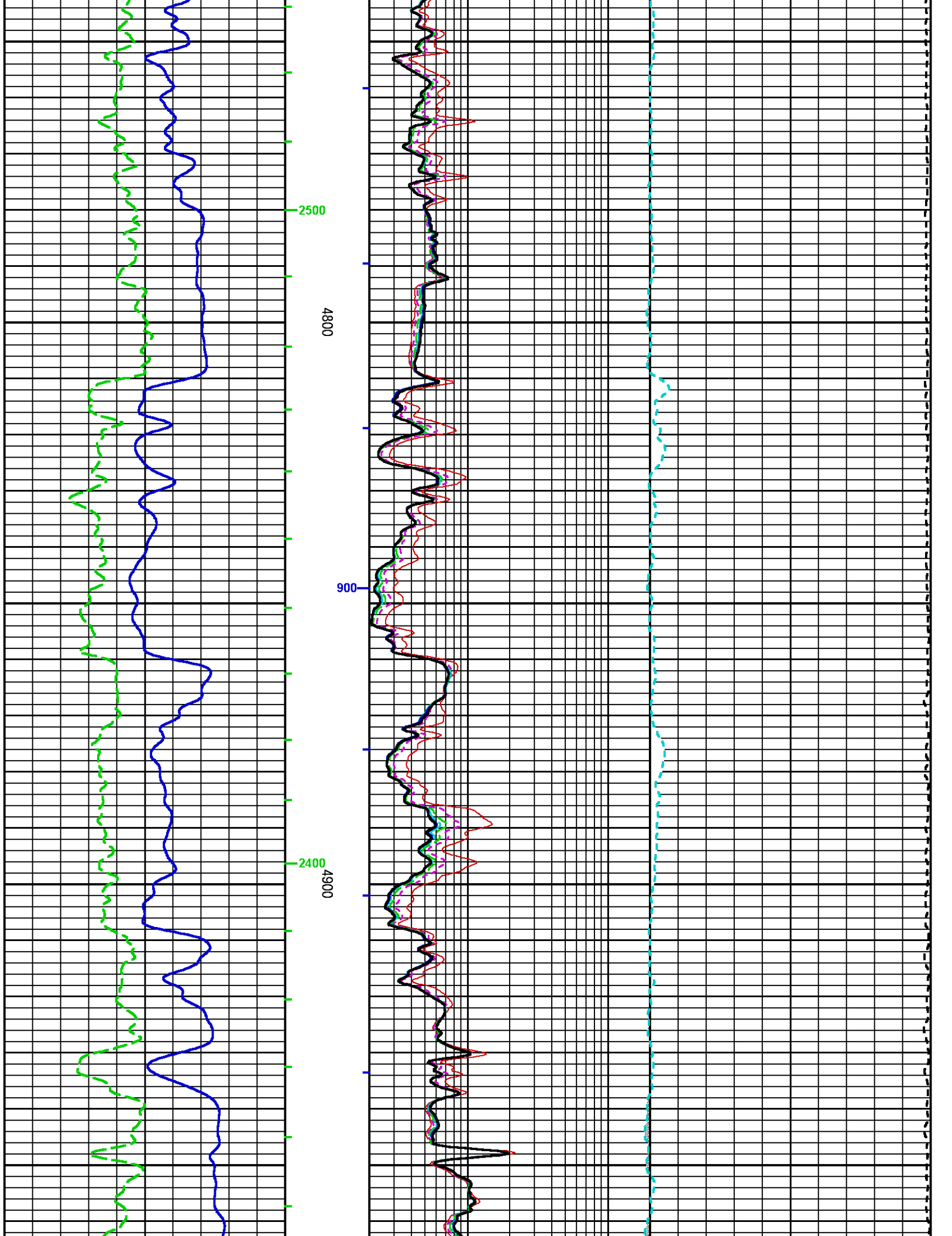


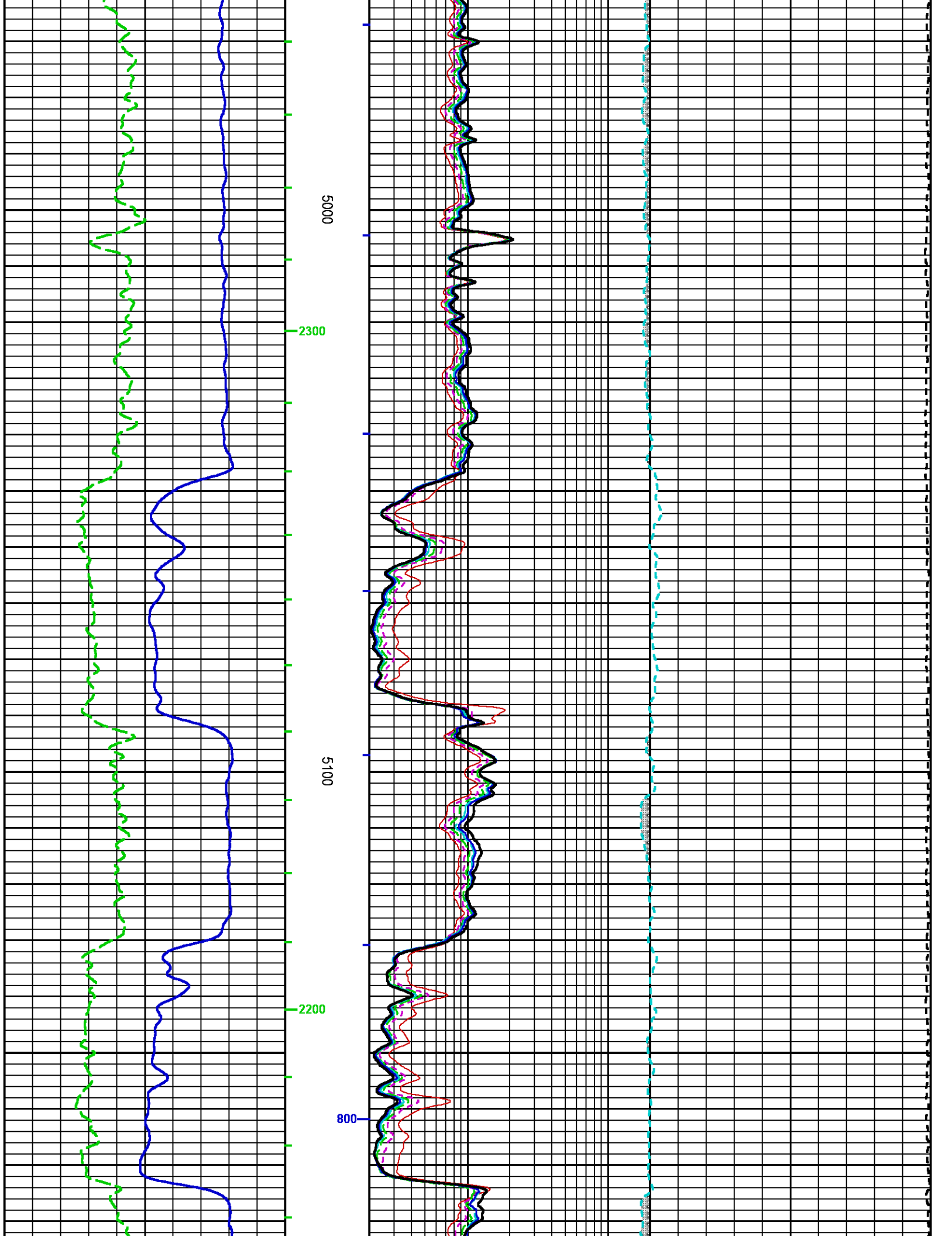


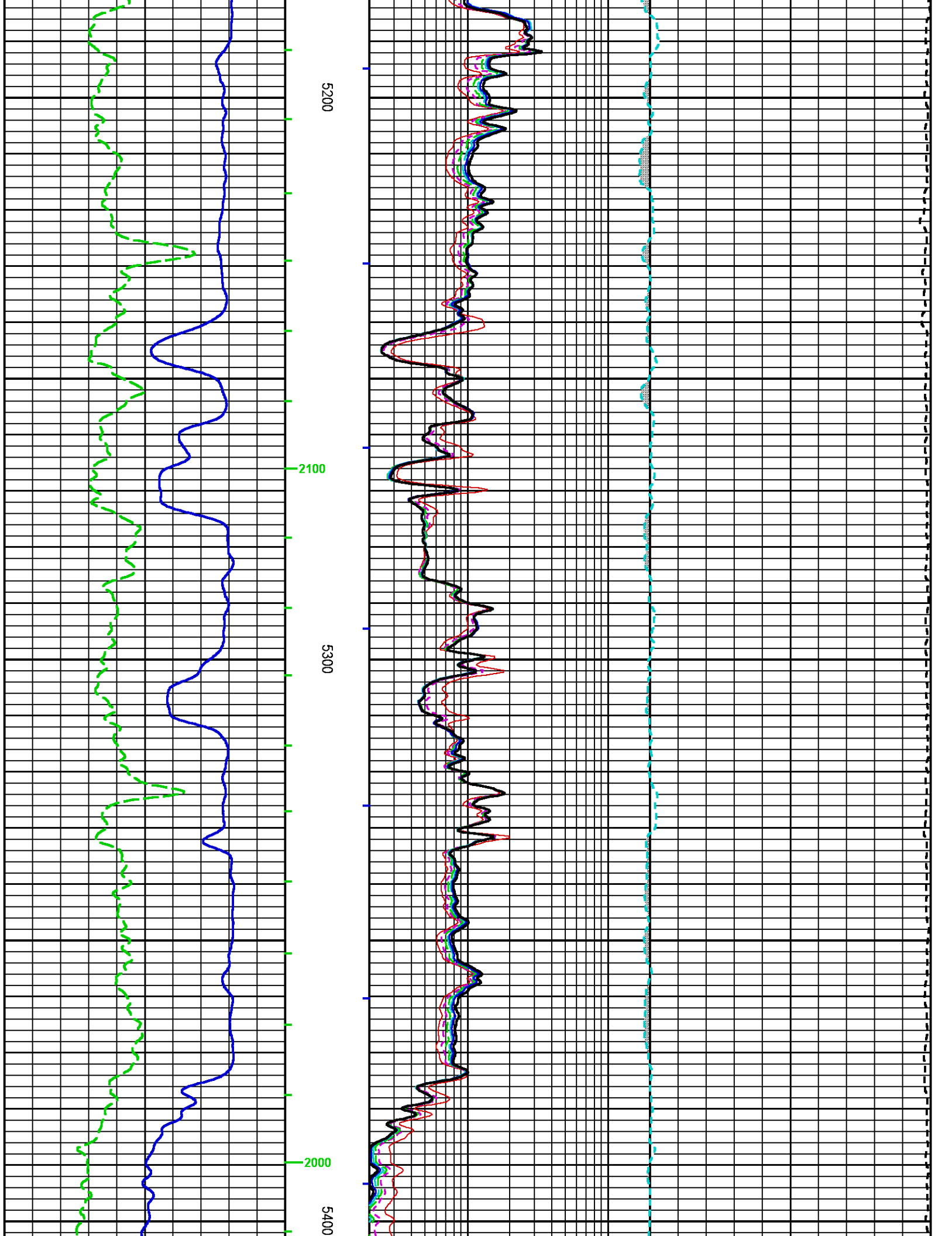


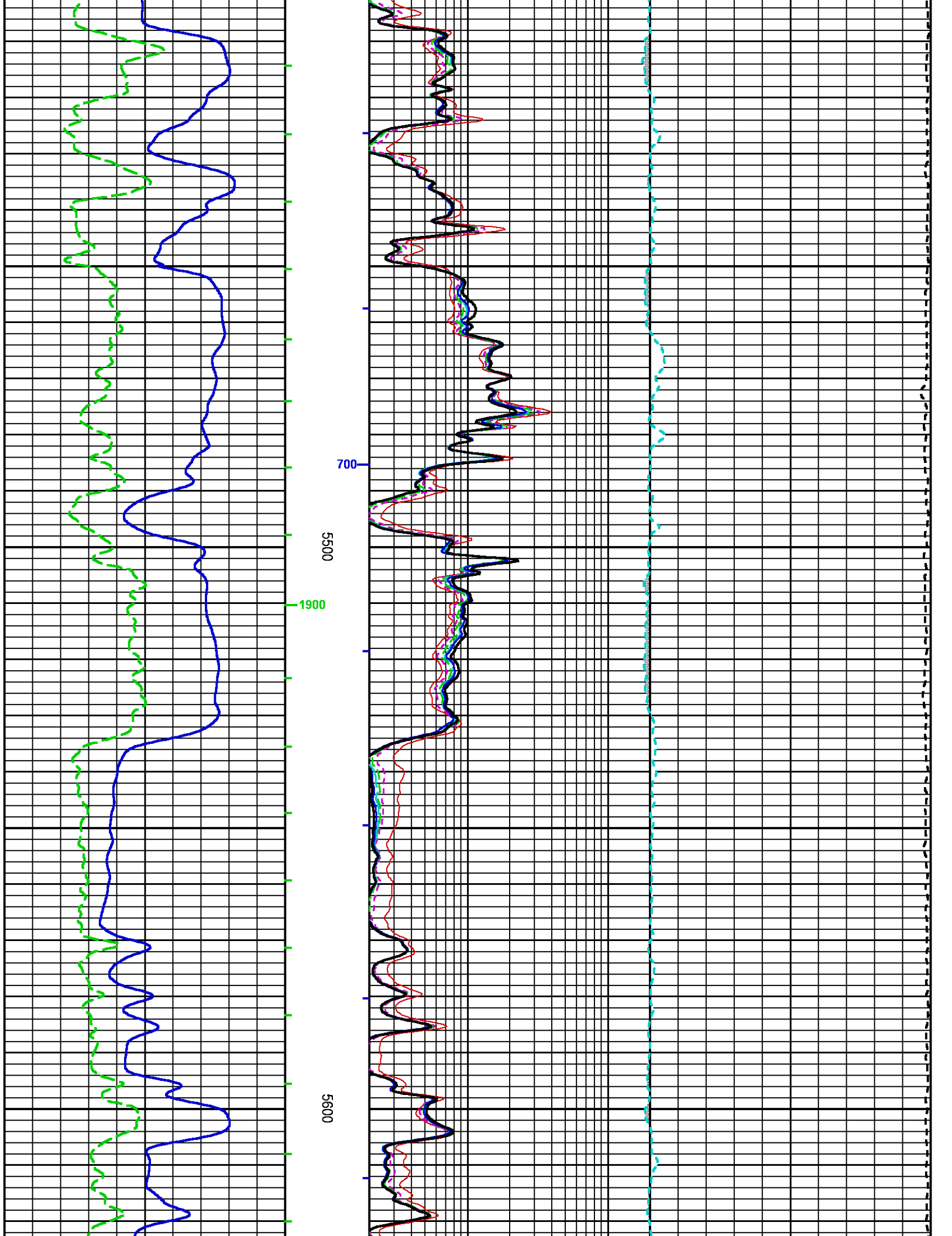


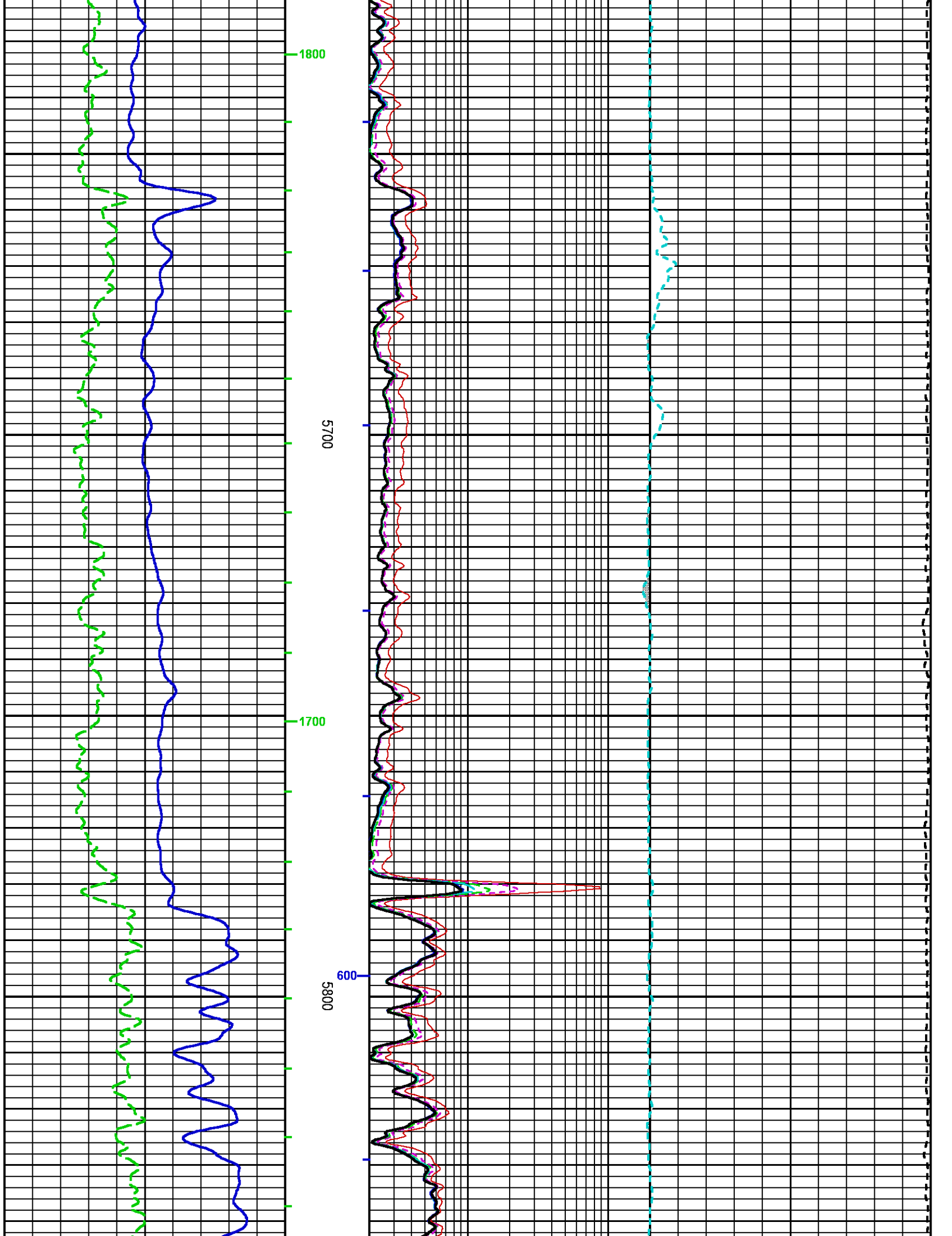


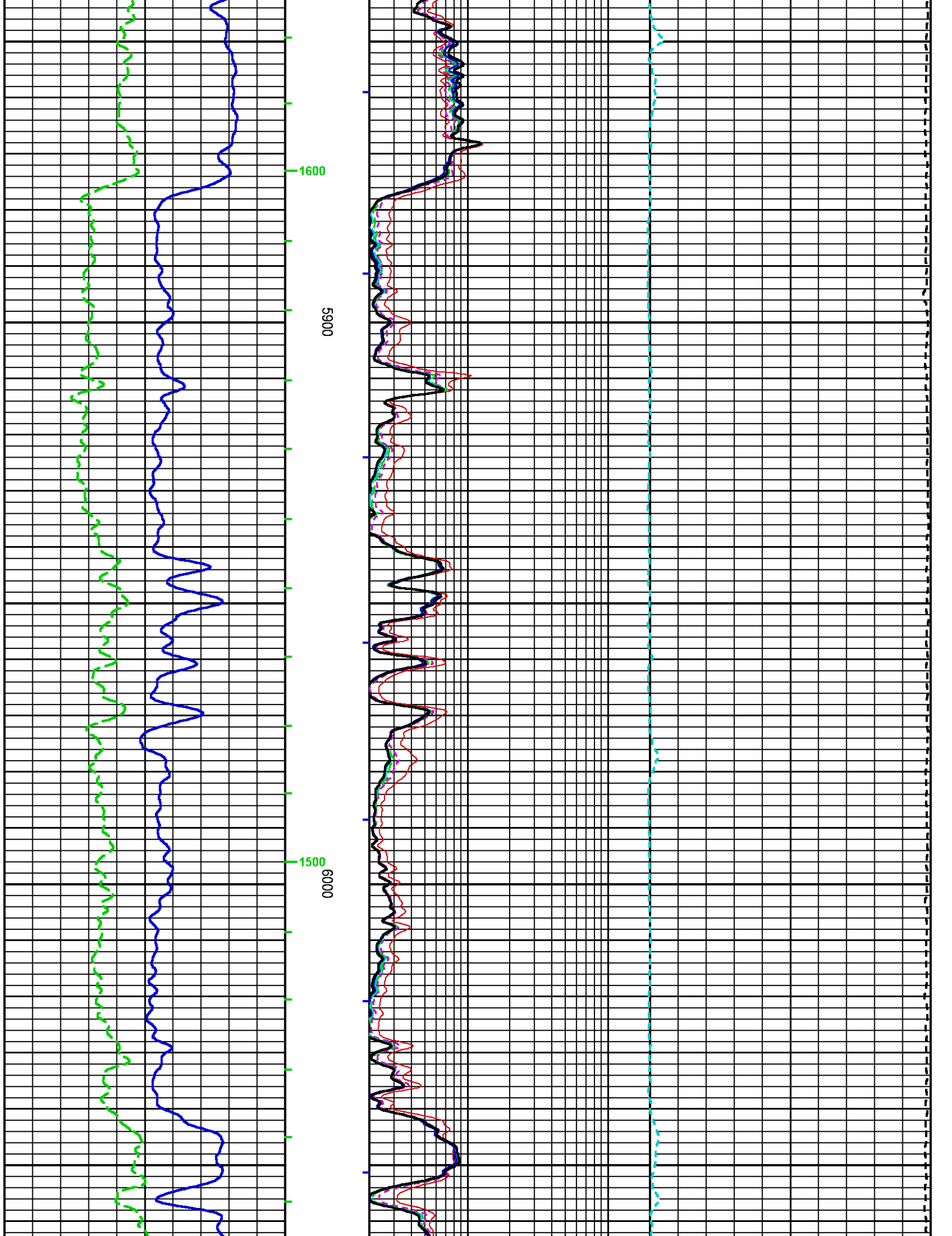


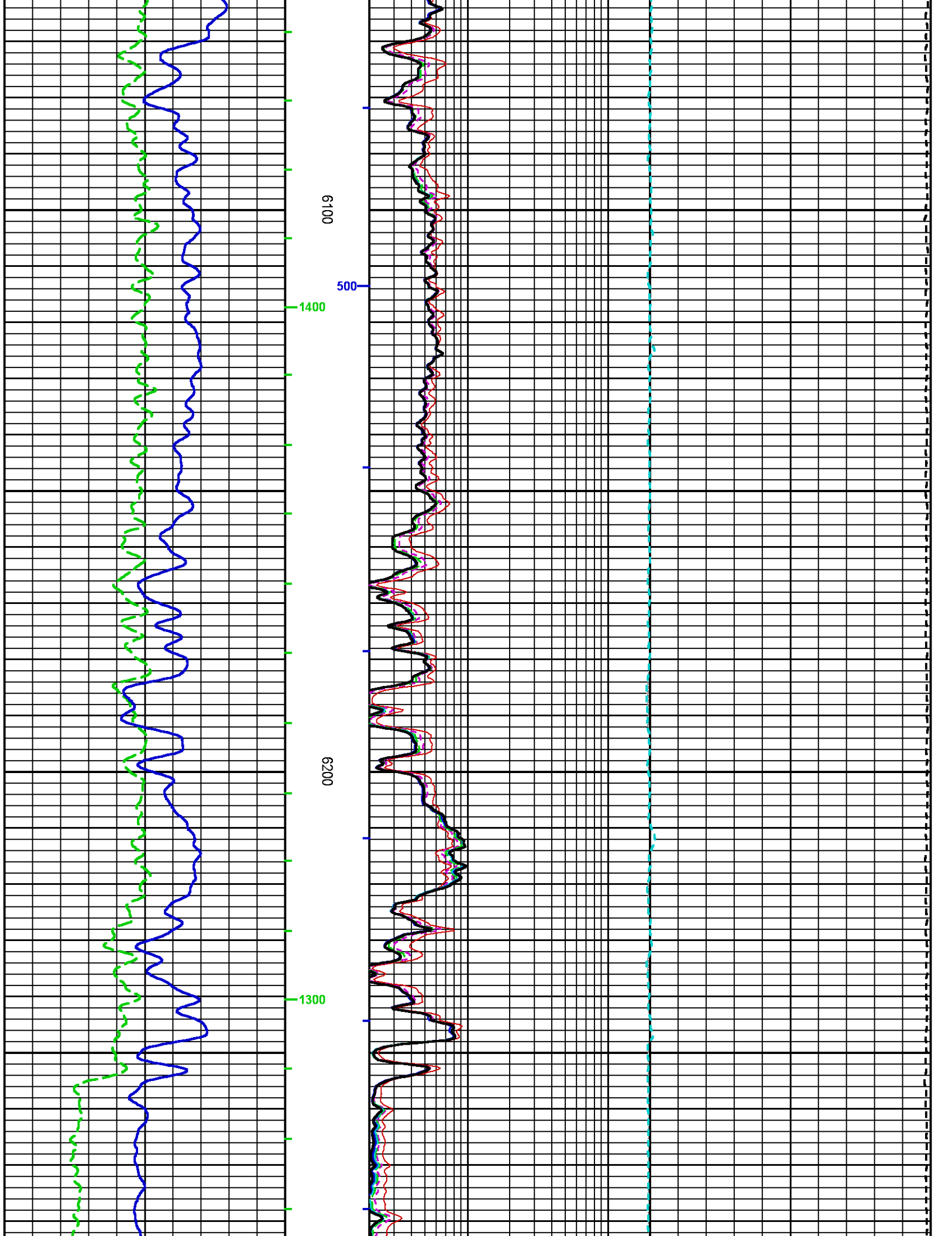


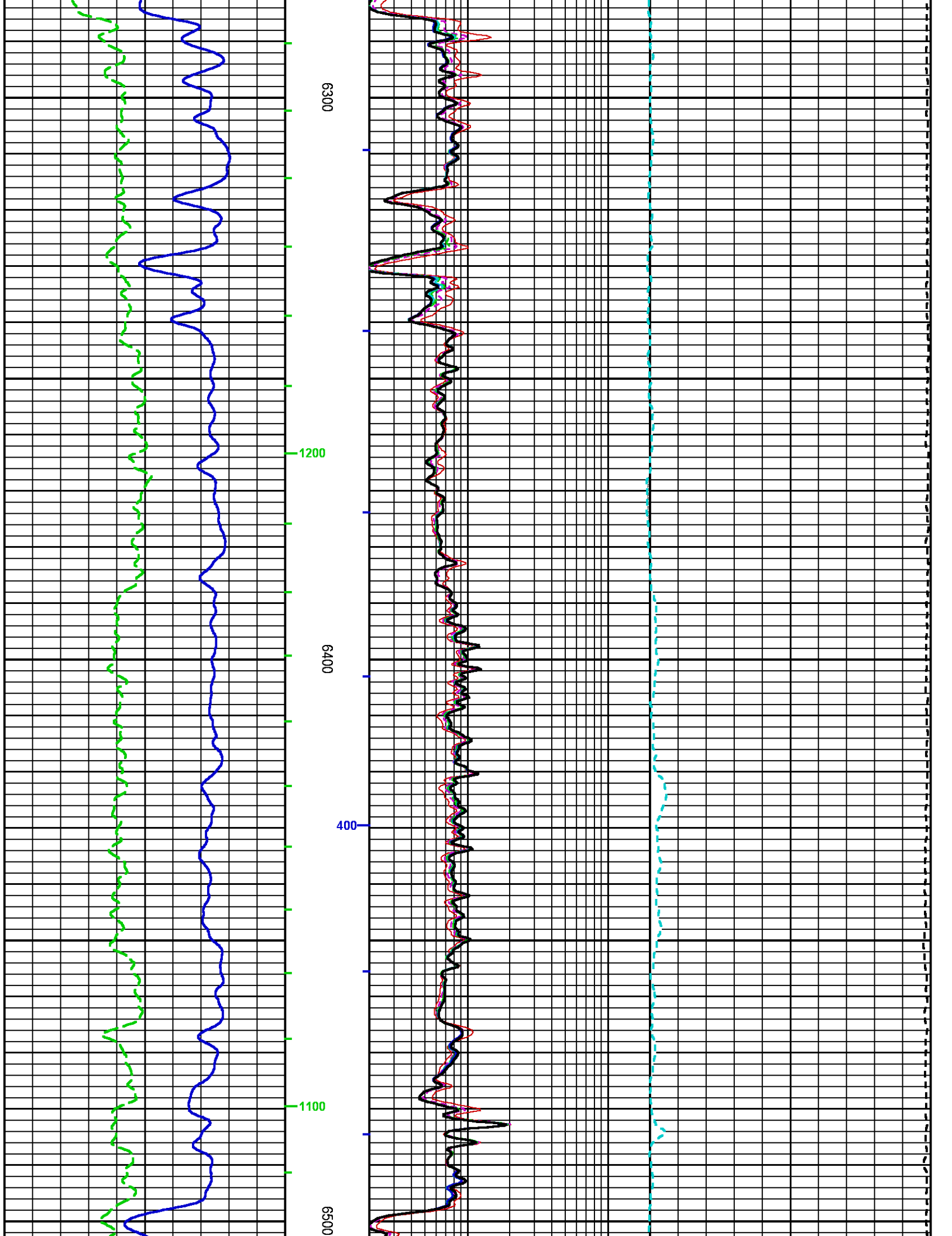


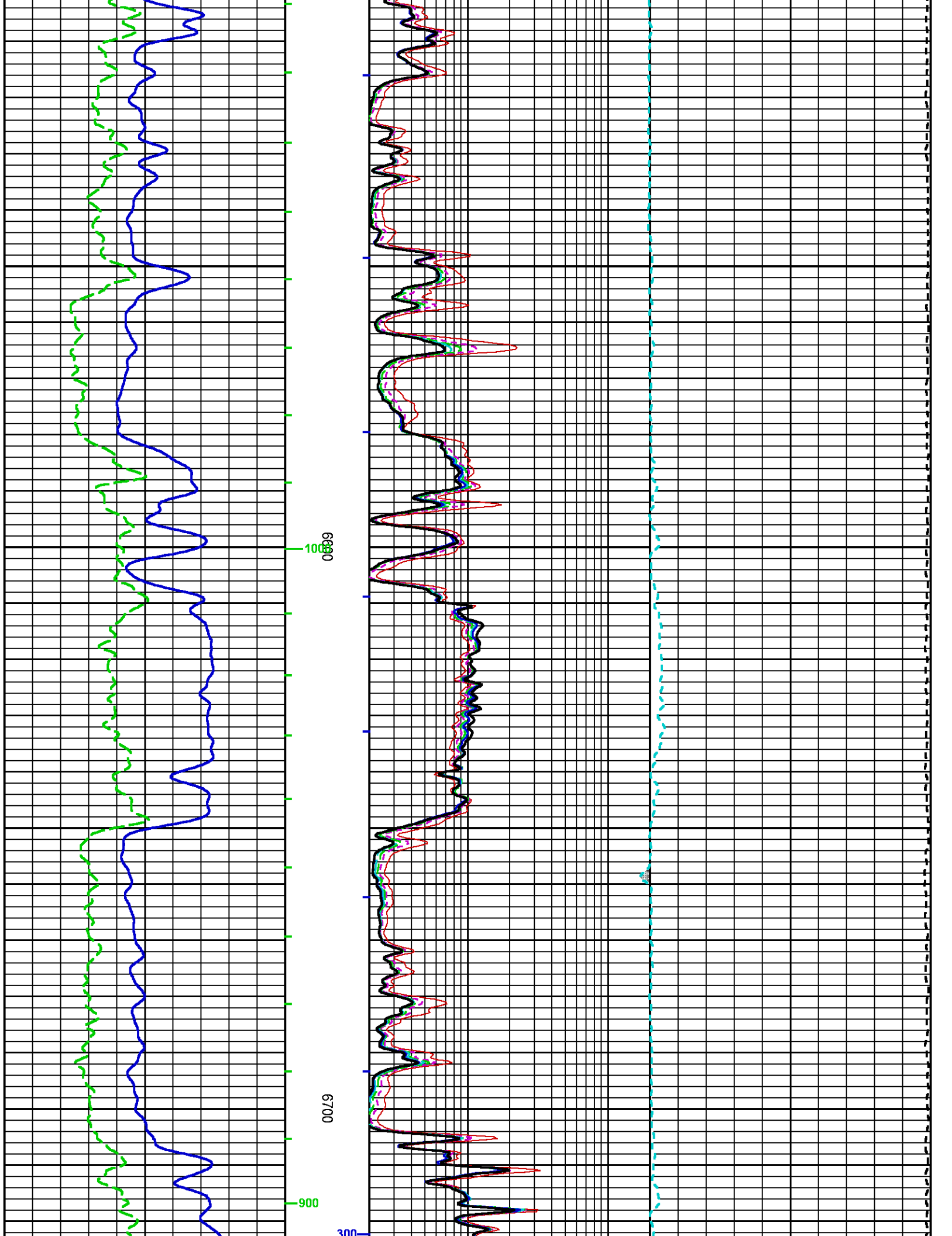


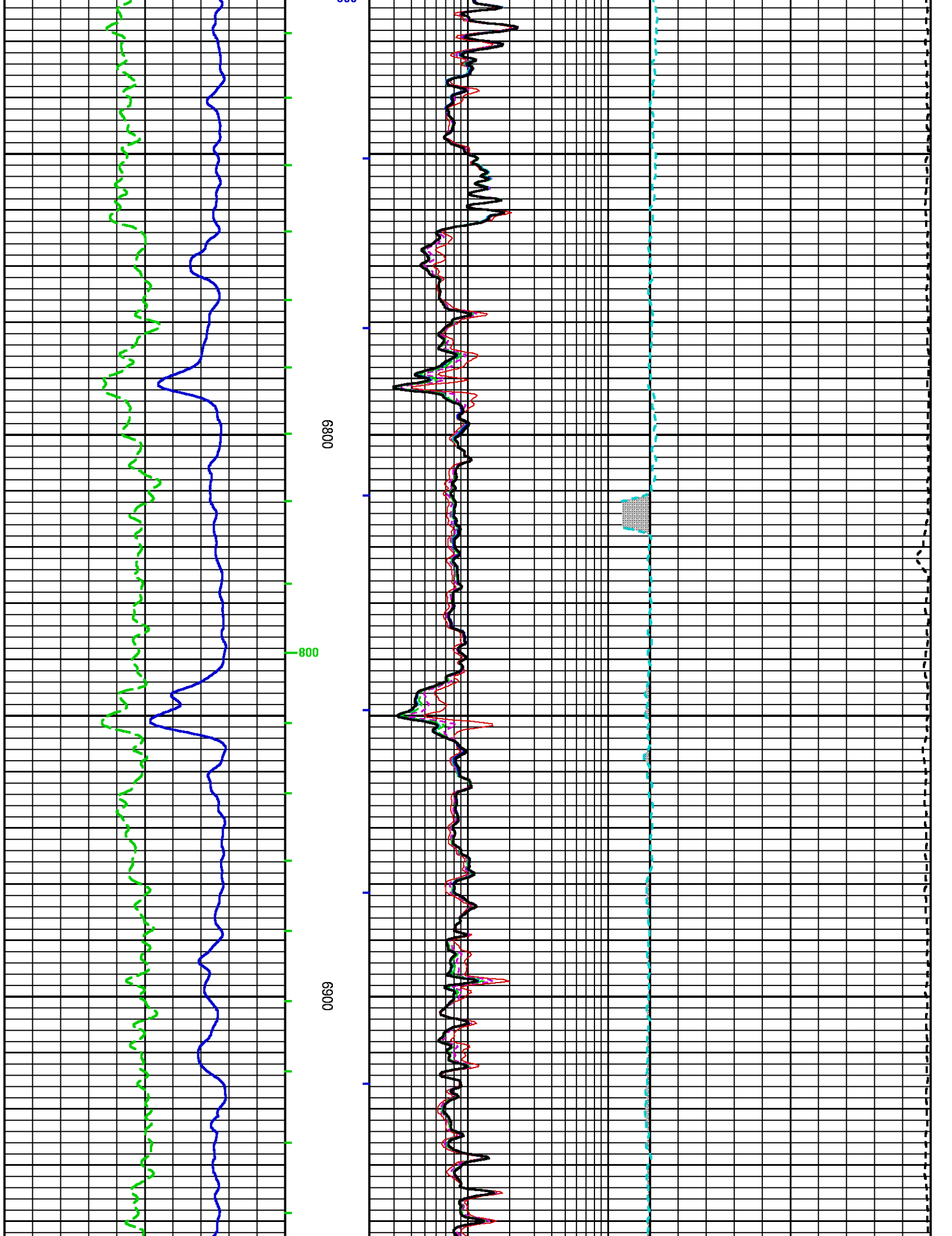


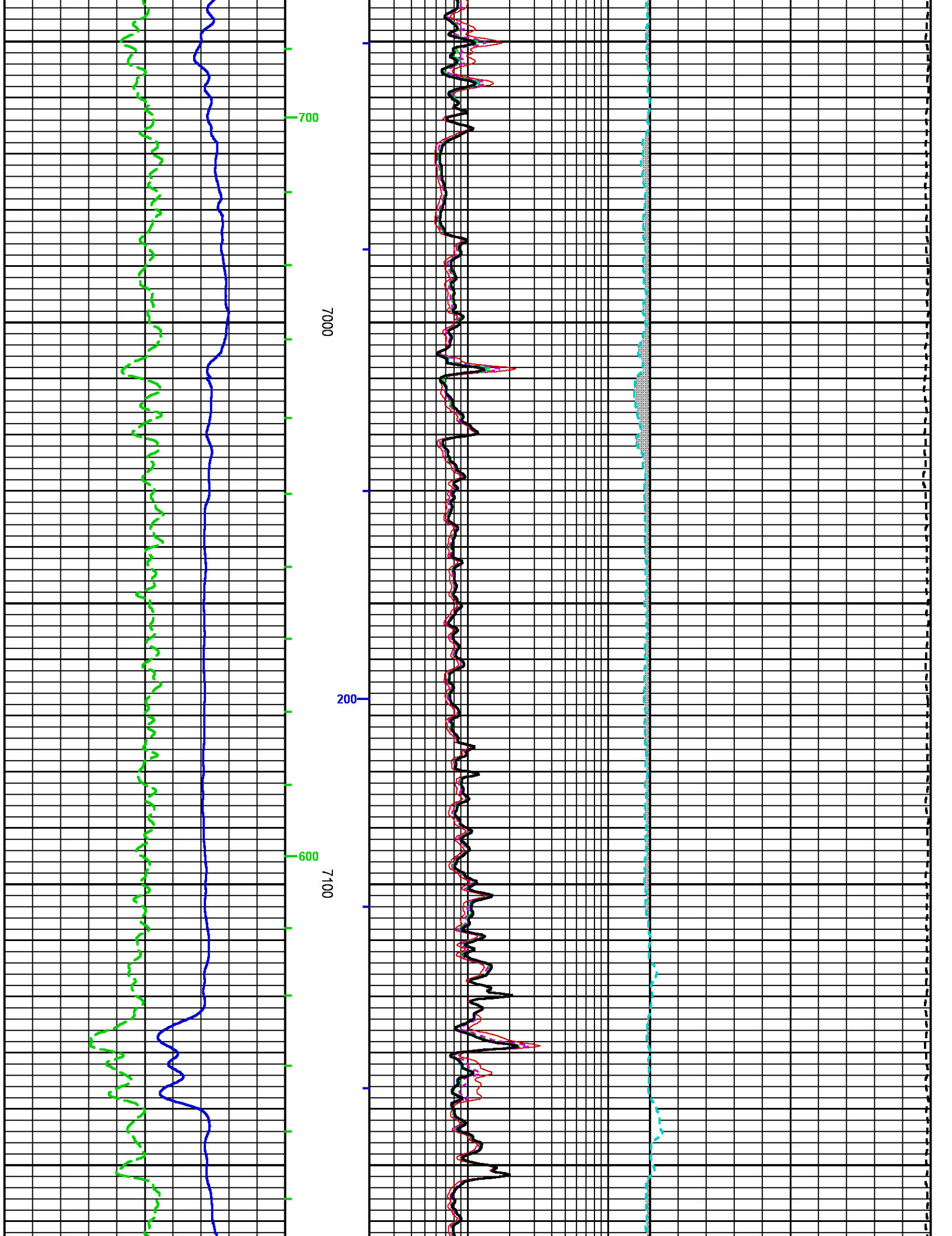


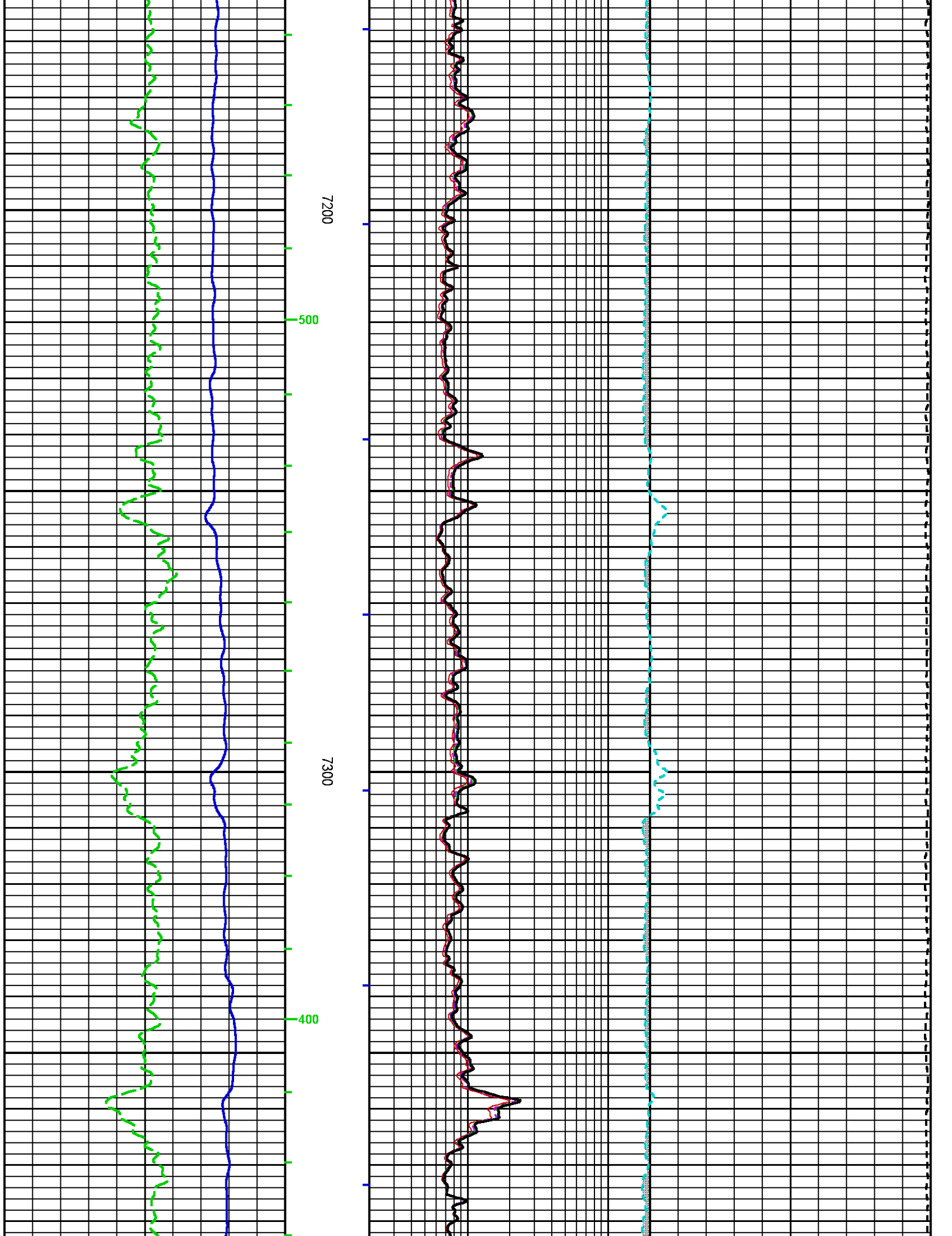


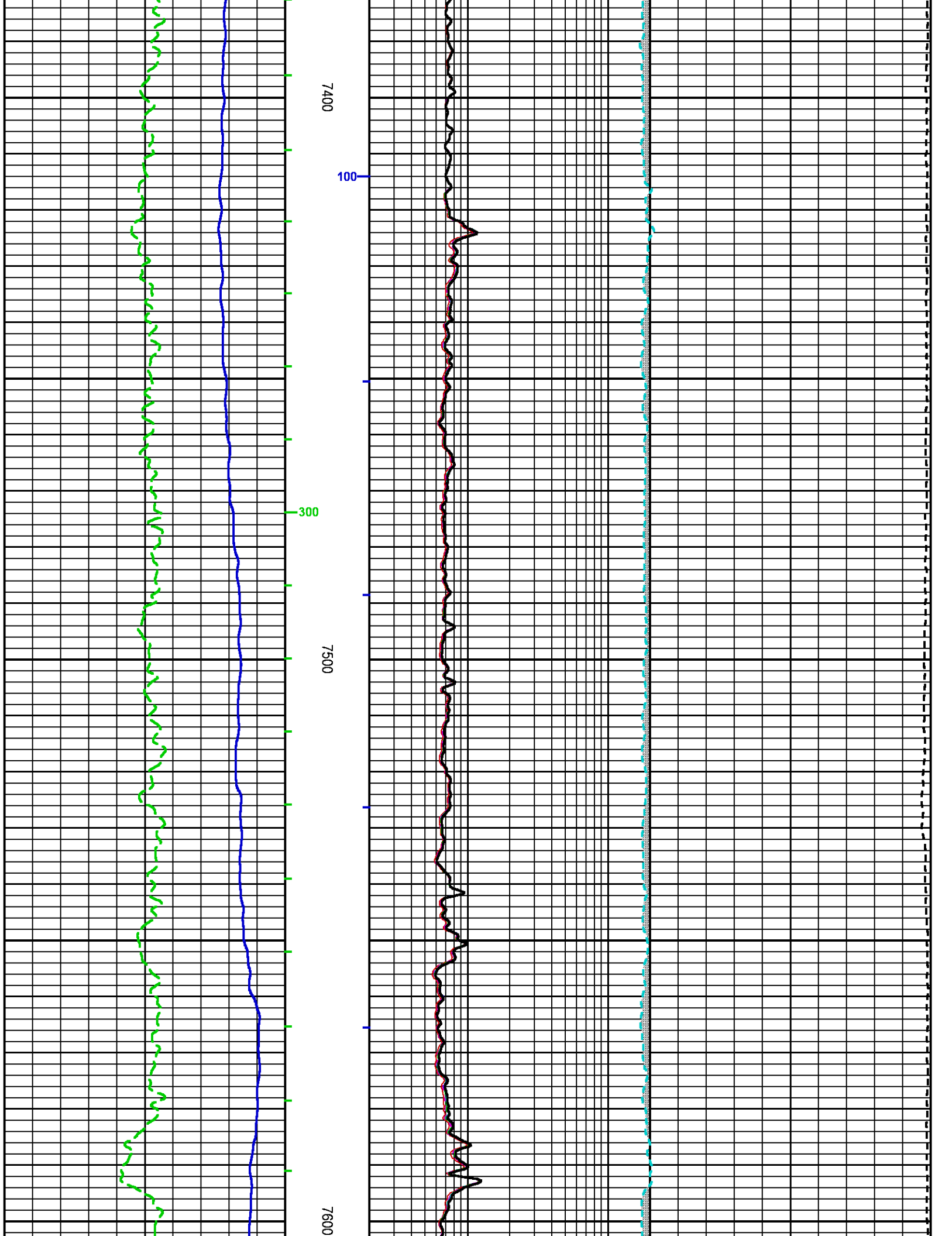


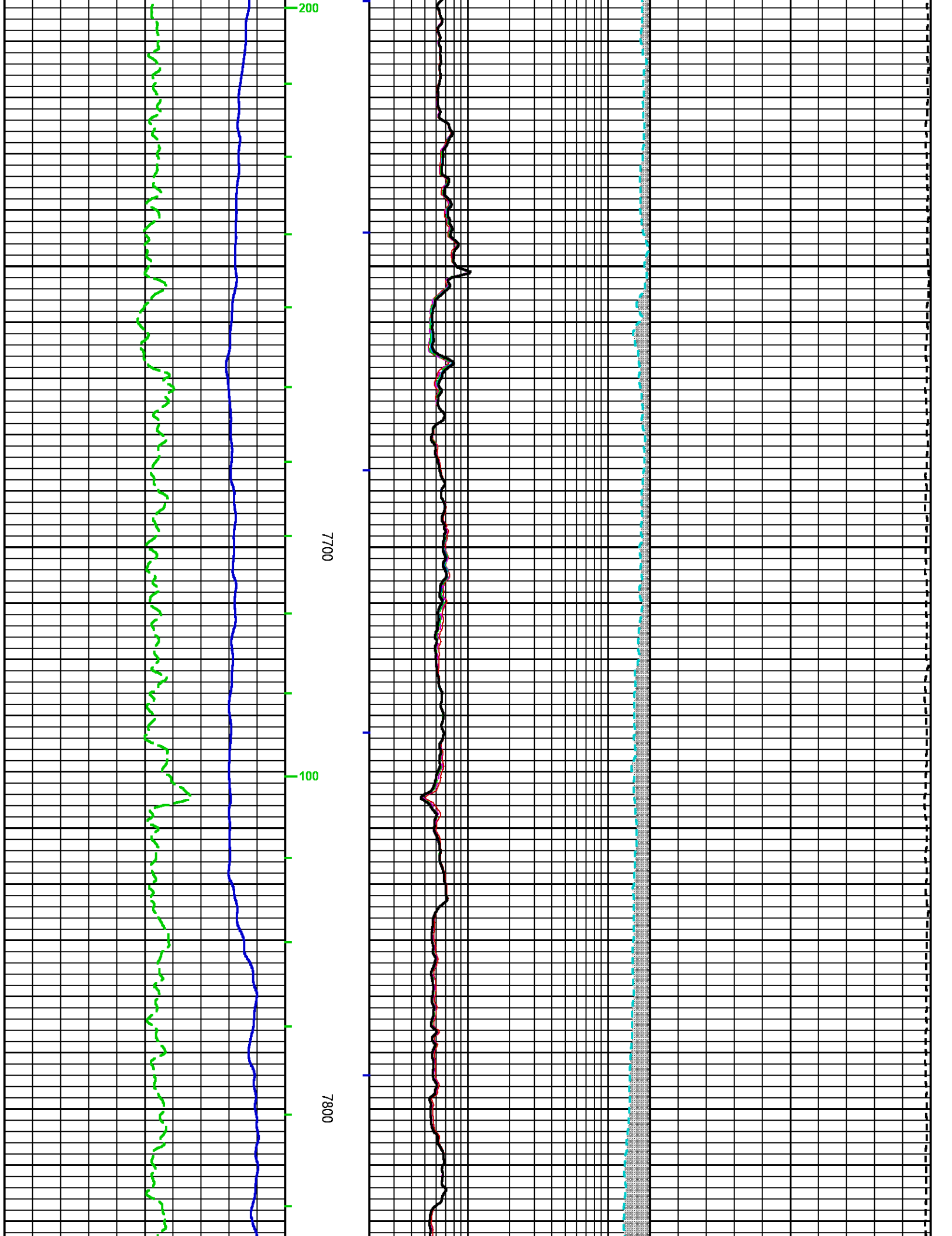


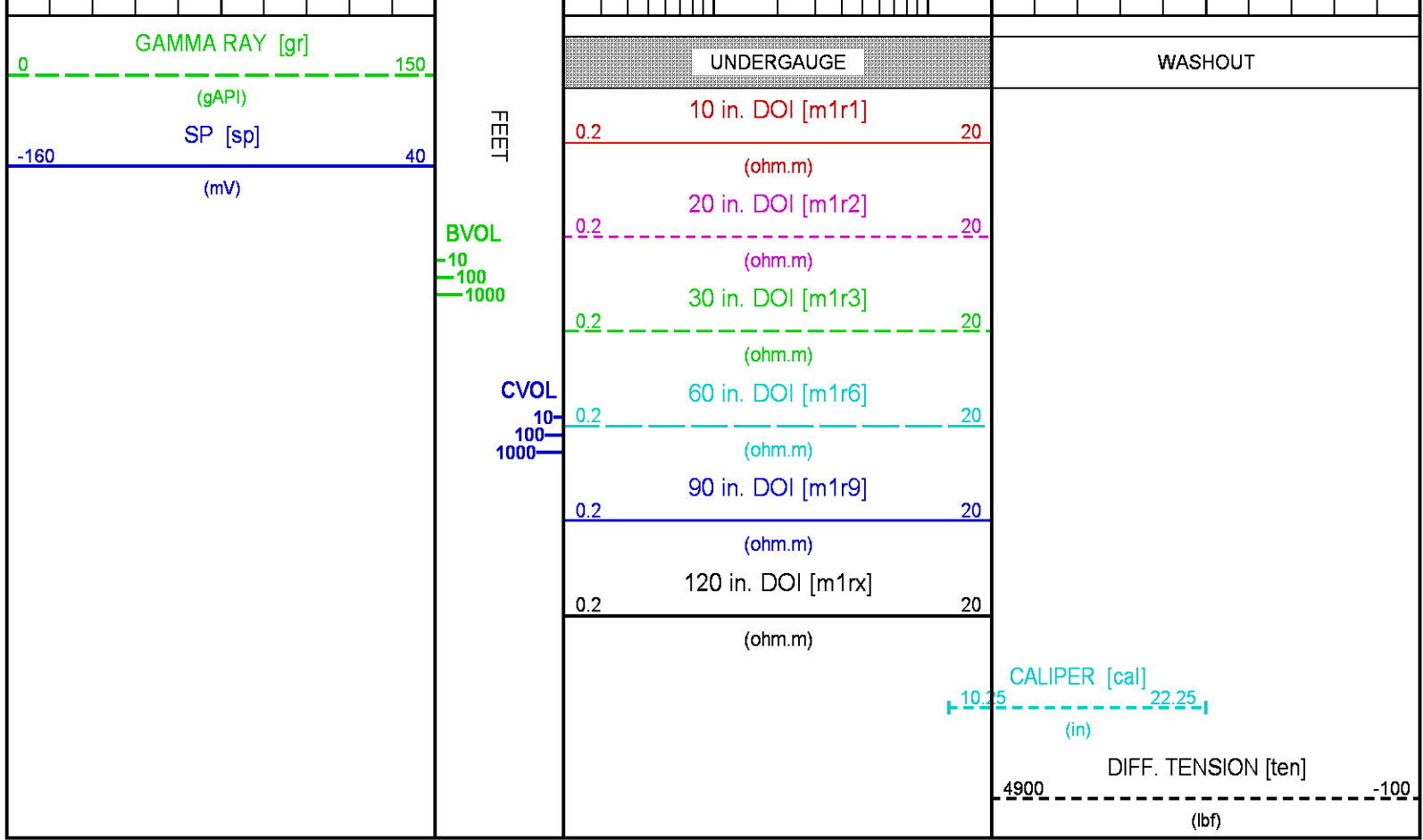
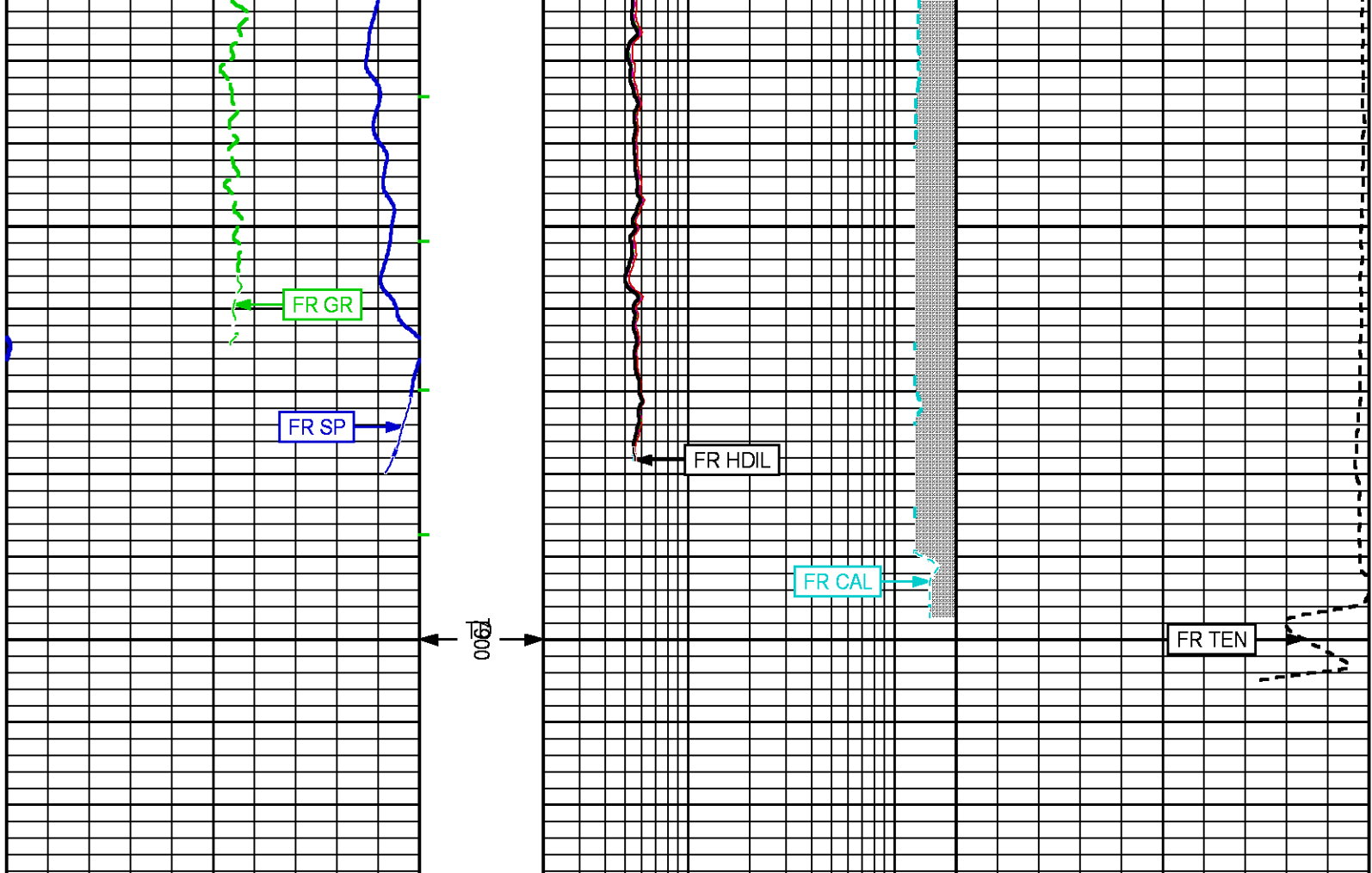












REPEAT LOG

ECLIPS 7.0wu1 PC-ECLIPS General Release Rel 7.0w Update 1 Wed Jul 25 15:19:34 Central Daylight Time 2018
 Updates: 32 Patches: 9

Plotted: Mon Aug 17 04:31:10 2020

CURVE DESCRIPTION REPORT

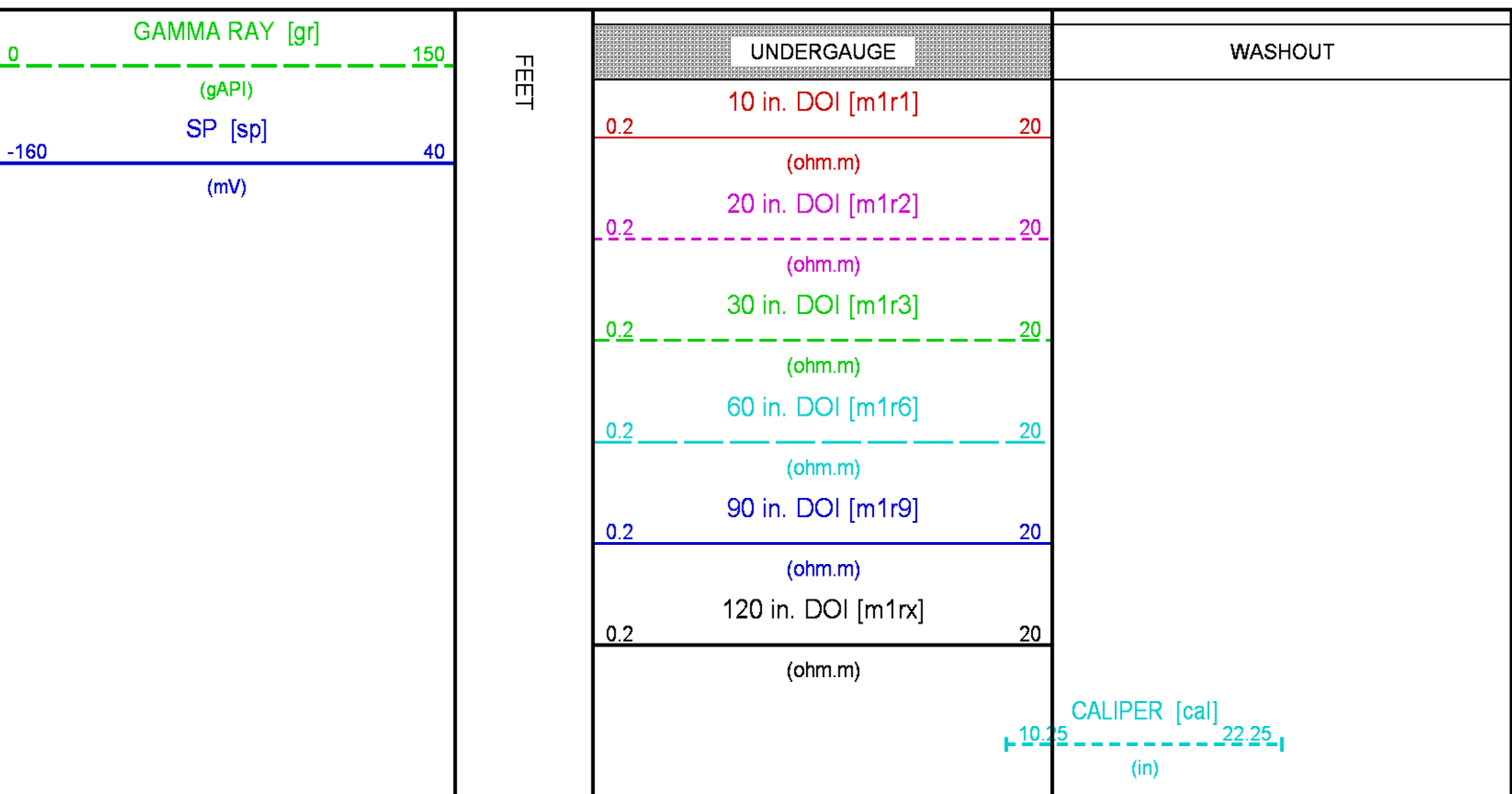
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CAL	Aug 17 04:02:13 2020	CALIPER
F1:GR	Aug 17 04:02:13 2020	GAMMA RAY
F1:M1R1	Aug 17 04:02:13 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M1R2	Aug 17 04:02:13 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M1R3	Aug 17 04:02:13 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M1R6	Aug 17 04:02:13 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M1R9	Aug 17 04:02:13 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:M1RX	Aug 17 04:02:13 2020	VERTICAL 1-FOOT RESOLUTION MATCHED RESISTIVITY, 120-INCH DOI
F1:SP	Aug 17 04:02:13 2020	SPONTANEOUS POTENTIAL
F1:TEN	Aug 17 04:02:13 2020	DIFFERENTIAL TENSION

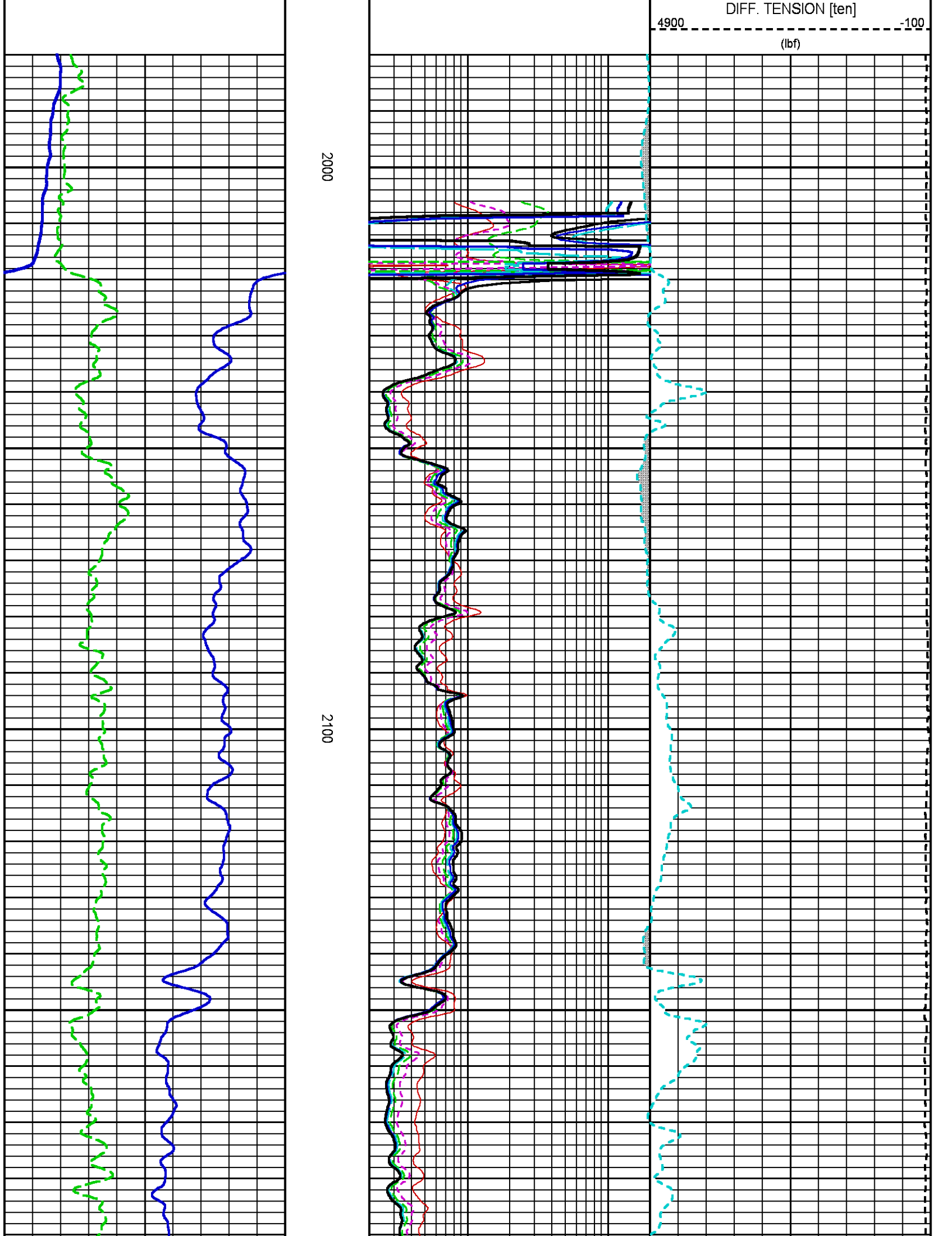
CURVE MEASURE POINT OFFSET

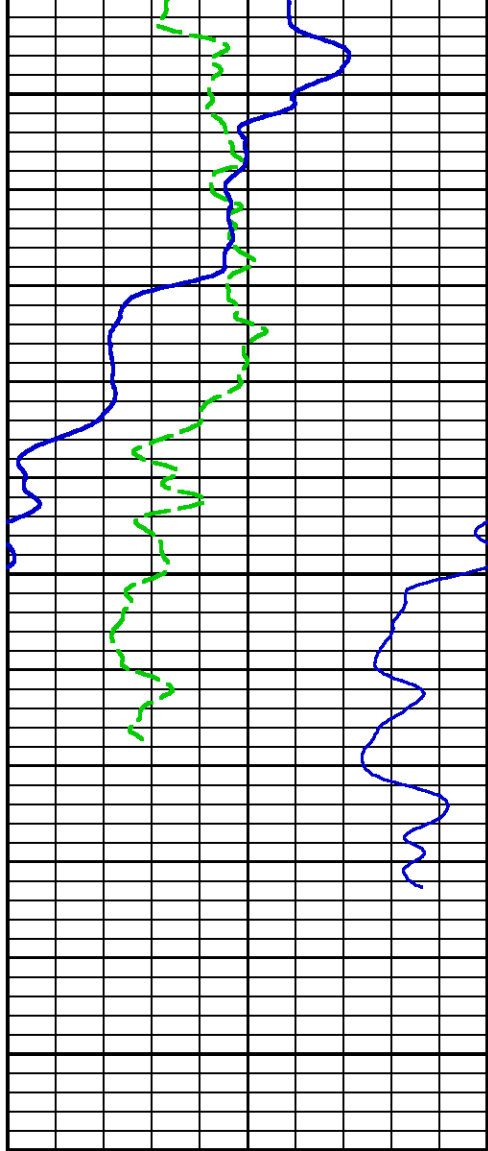
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CAL	-7.00	M1R2	-19.75	M1R9	-19.75	TEN	0.00
GR	-40.50	M1R3	-19.75	M1RX	-19.75		
M1R1	-19.75	M1R6	-19.75	SP	-25.75		

Presentation : BHICCBY0S2:E:\dat1a\149_kebo_blackstone_1_170698\5+REP.fvpdf [5"/100' Scale]
Plot Interval : 1980 - 2308.5 Feet

Data File 1 : F1 : BHICCBY0S2:E:\dat1a\149_kebo_blackstone_1_170698\REP.xtf
Created On : Aug 17 04:02:13 2020
Company : KEBO OIL & GAS, INC.
Well : BLACK STONE #1
Field : WILDCAT
File Interval : 1891 - 2309.75 Feet
OCT : p777q_MS



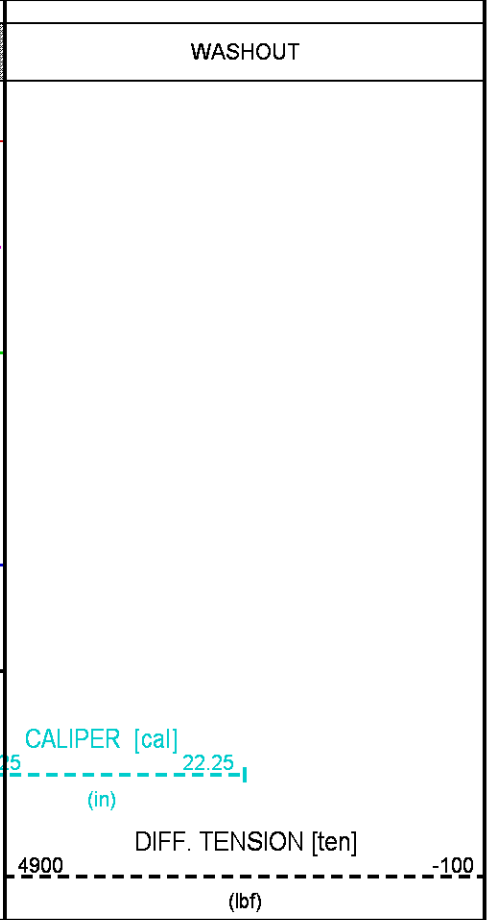
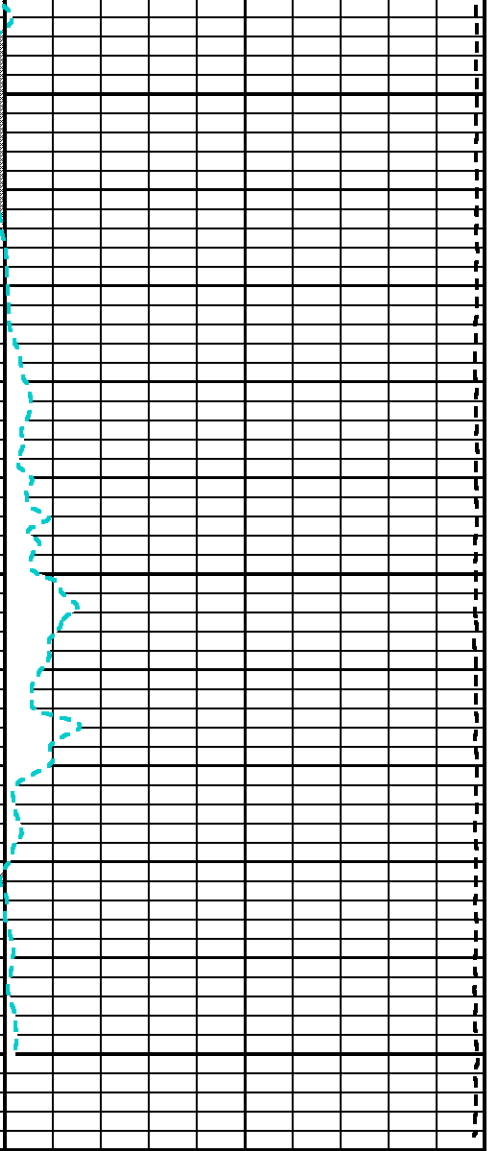
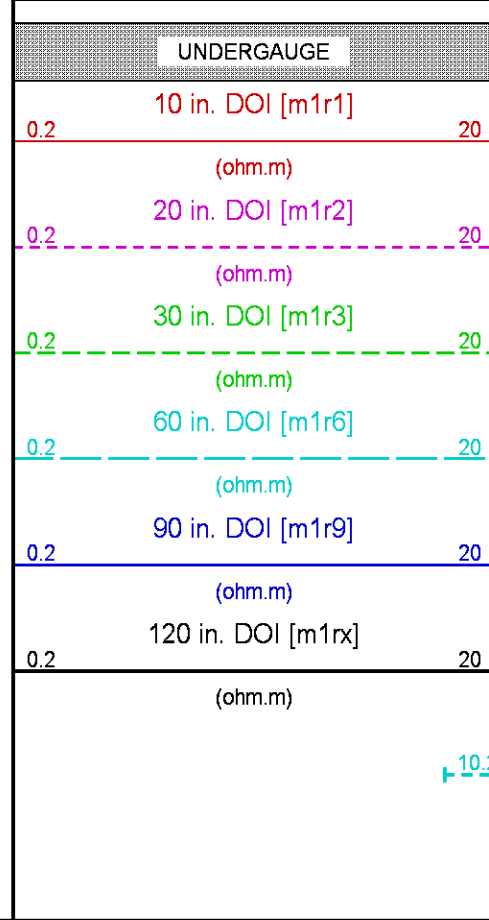
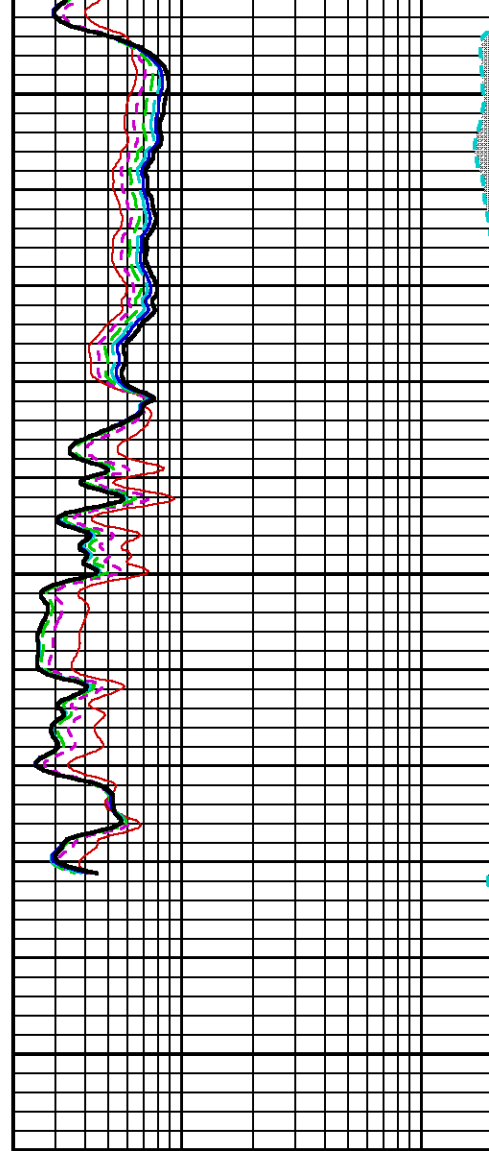
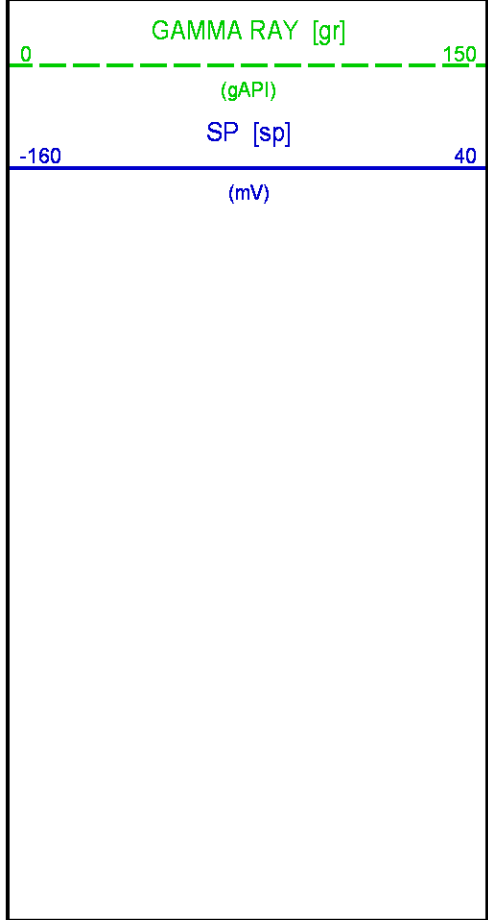




2200

2300

FEET



CALIBRATION / VERIFICATION SUMMARY

Source File: E:\dat1a\149_kebo_blackstone_1_170698p777q_MS_6CAL.tp1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XB 179409 DATE/TIME PERFORMED: Thu Jul 30 11:40:39 2020
 UNIT #: 5712XD 12160624 CALB JIG #: 4702NK DA-281

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	140.27	1096.87	956.6	0.157	21.99	171.99	150
			830.0 980.0				

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XB 179409 DATE/TIME PERFORMED: Thu Jul 30 11:47:22 2020
 UNIT #: 5712XD 12160624 VERI JIG #: 4702NK DA-281

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	114.22	1092.38	0.157	17.91	171.29	153.38
						140.00 160.00

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XB 179409 DATE/TIME PERFORMED: Sun Aug 16 23:28:17 2020 DAYS SINCE CAL: 17
 UNIT #: 5712XD 12160624 VERI JIG #: 4702NK DA-281

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	80.22	1056.04	0.157	12.58	165.59	153.01
						143.38 163.38

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XB 179409 DATE/TIME PERFORMED: Sun Aug 16 23:32:41 2020 DAYS SINCE CAL: 17
 UNIT #: 5712XD 12160624 VERI JIG #: 4702NK DA-281

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	80.73	1048.49	0.157	12.66	164.41	151.75
						143.01 163.01

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 10166490 DATE/TIME PERFORMED: Fri Jul 31 09:25:11 2020
 UNIT #: 5712XD 12160624 GRCOND ID & DATE: a.188 083096

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.000 -0.200 0.200	0.003 -0.100 0.100	0.006 -0.100 0.100	0.005 -0.100 0.100	0.005 -0.100 0.100	0.007 -0.100 0.100	0.005 -0.100 0.100	0.003 -0.100 0.100
Coil 0 Q	0.005 -1.000 1.000	0.004 -0.200 0.200	-0.001 -0.100 0.100	-0.001 -0.100 0.100	0.002 -0.100 0.100	0.000 -0.100 0.100	0.000 -0.100 0.100	0.000 -0.100 0.100
Coil 1 R	0.004 -0.200 0.200	0.006 -0.100 0.100	0.005 -0.100 0.100	0.008 -0.100 0.100	0.007 -0.100 0.100	0.007 -0.100 0.100	0.004 -0.100 0.100	0.003 -0.100 0.100
Coil 1 Q	-0.007 -1.000 1.000	-0.006 -0.200 0.200	-0.004 -0.100 0.100	-0.001 -0.100 0.100	0.002 -0.100 0.100	0.003 -0.100 0.100	0.004 -0.100 0.100	0.001 -0.100 0.100
Coil 2 R	0.001 -0.200 0.200	0.006 -0.100 0.100	0.007 -0.100 0.100	0.008 -0.100 0.100	0.008 -0.100 0.100	0.008 -0.100 0.100	0.010 -0.100 0.100	0.013 -0.100 0.100
Coil 2 Q	-0.007 -1.000 1.000	-0.005 -0.200 0.200	-0.004 -0.100 0.100	-0.001 -0.100 0.100	-0.003 -0.100 0.100	-0.004 -0.100 0.100	-0.005 -0.100 0.100	-0.004 -0.100 0.100
Coil 3 R	-0.003 -0.100 0.100	0.005 -0.100 0.100	0.006 -0.100 0.100	0.011 -0.100 0.100	0.007 -0.100 0.100	0.007 -0.100 0.100	0.005 -0.100 0.100	0.004 -0.100 0.100
Coil 3 Q	-0.010 -0.500 0.500	-0.010 -0.200 0.200	-0.003 -0.100 0.100	-0.001 -0.100 0.100	-0.000 -0.100 0.100	0.002 -0.100 0.100	0.002 -0.100 0.100	-0.001 -0.100 0.100
Coil 4 R	-0.007 -0.200 0.200	0.008 -0.200 0.200	0.006 -0.200 0.200	0.005 -0.200 0.200	0.003 -0.200 0.200	0.005 -0.200 0.200	0.005 -0.200 0.200	0.005 -0.200 0.200
Coil 4 Q	-0.027 -1.000 1.000	-0.003 -0.400 0.400	-0.001 -0.200 0.200	0.001 -0.200 0.200	0.002 -0.200 0.200	0.002 -0.200 0.200	0.001 -0.200 0.200	-0.001 -0.200 0.200
Coil 5 R	-0.003 -0.400 0.400	0.001 -0.400 0.400	0.001 -0.400 0.400	0.024 -0.400 0.400	0.003 -0.400 0.400	0.009 -0.400 0.400	0.004 -0.400 0.400	0.001 -0.400 0.400

Coil 6 M	1.024	1.027	1.026	1.025	1.026	1.032	1.033	1.032
Coil 6 P	-0.091	-0.058	-0.148	-0.142	-0.276	-0.417	-0.472	-0.620

PARMS TCID 0 TCID 1 Cal Temp (degF) T Factor
 IDs 1.291 0.857 94.6 1.04

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1515MA 10166490 DATE/TIME PERFORMED: Mon Aug 17 00:16:46 2020 DAYS SINCE CAL: 16
 UNIT #: 5712XD 12160624

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.004	0.006	0.006	0.006	0.004	0.006	0.004	0.003
Coil 0 Q	0.004	0.007	0.000	0.001	0.002	0.001	0.001	0.002
Coil 1 R	0.008	0.005	0.003	0.003	0.000	-0.001	-0.002	-0.003
Coil 1 Q	-0.003	0.000	0.002	0.002	0.003	0.003	0.002	-0.001
Coil 2 R	0.009	0.010	0.012	0.011	0.011	0.014	0.016	0.018
Coil 2 Q	-0.005	-0.003	-0.001	-0.000	-0.004	-0.003	-0.003	-0.001
Coil 3 R	0.005	0.010	0.009	0.011	0.010	0.008	0.008	0.010
Coil 3 Q	-0.010	-0.007	-0.004	-0.003	-0.001	0.000	0.003	0.003
Coil 4 R	0.005	0.005	0.002	0.005	-0.002	-0.004	-0.003	-0.002
Coil 4 Q	-0.020	0.001	-0.000	0.005	0.003	0.003	-0.001	-0.001
Coil 5 R	0.000	0.008	0.006	0.008	0.011	0.018	0.006	-0.001
Coil 5 Q	0.003	-0.000	0.000	-0.002	-0.002	0.007	0.001	-0.000
Coil 6 R	-0.010	0.007	-0.017	-0.024	0.015	0.005	0.025	0.023
Coil 6 Q	-0.030	0.014	-0.011	-0.024	-0.019	0.001	-0.014	-0.018

ELEC. GAINS	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	126.23	124.91	122.47	118.92	114.09	108.26	101.01	92.98
Coil 0 P	7.494	23.688	39.624	55.587	71.638	87.759	103.925	120.104
Coil 1 M	223.29	221.51	218.09	212.97	205.74	196.55	184.80	171.10
Coil 1 P	7.364	23.228	38.886	54.680	70.668	86.881	103.176	119.605
Coil 2 M	444.22	439.67	431.15	418.78	402.11	381.75	356.43	328.63
Coil 2 P	7.560	23.952	40.082	56.227	72.462	88.805	105.171	121.583
Coil 3 M	715.20	709.35	698.71	683.16	661.43	634.32	600.02	561.17
Coil 3 P	7.054	22.297	37.314	52.392	67.591	82.958	98.408	113.949
Coil 4 M	1093.3	1079.0	1052.8	1016.9	970.8	917.9	856.4	791.9
Coil 4 P	7.731	24.269	40.447	56.488	72.435	88.295	104.041	119.755
Coil 5 M	2306.6	2286.9	2249.4	2194.3	2116.6	2017.8	1890.1	1743.7
Coil 5 P	7.815	24.650	41.270	58.028	74.972	92.132	109.457	126.868
Coil 6 M	5924.3	5839.9	5687.1	5475.6	5205.9	4895.8	4532.2	4148.2
Coil 6 P	8.168	25.962	43.303	60.529	77.651	94.719	111.691	128.655

HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1515MA 10166490 DATE/TIME PERFORMED: Mon Aug 17 04:01:18 2020 DAYS SINCE CAL: 16
 UNIT #: 5712XD 12160624

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	0.006	0.006	0.006	0.005	0.003	0.004	0.003	0.001
Coil 0 Q	0.005	0.007	0.001	0.002	0.004	0.002	-0.001	0.001

Coil 1 R	0.009 -0.072 0.088	0.006 -0.045 0.066	0.003 -0.027 0.039	0.003 -0.027 0.039	-0.001 -0.030 0.030	-0.001 -0.031 0.029	-0.003 -0.032 0.028	-0.003 -0.033 0.027
Coil 1 Q	-0.004 -0.403 0.397	-0.000 -0.100 0.100	0.002 -0.028 0.032	0.004 -0.028 0.032	0.004 -0.027 0.033	0.004 -0.027 0.039	0.002 -0.028 0.032	-0.002 -0.031 0.029
Coil 2 R	0.008 -0.061 0.079	0.011 -0.020 0.040	0.012 -0.018 0.042	0.012 -0.019 0.041	0.009 -0.019 0.041	0.011 -0.016 0.044	0.012 -0.014 0.046	0.012 -0.012 0.048
Coil 2 Q	-0.003 -0.355 0.345	-0.004 -0.103 0.097	-0.002 -0.031 0.029	-0.000 -0.030 0.030	-0.000 -0.034 0.028	0.000 -0.033 0.027	-0.003 -0.033 0.027	-0.002 -0.031 0.029
Coil 3 R	0.005 -0.035 0.045	0.010 -0.030 0.060	0.010 -0.031 0.049	0.008 -0.029 0.061	0.011 -0.030 0.050	0.005 -0.032 0.048	0.005 -0.032 0.048	0.002 -0.030 0.050
Coil 3 Q	-0.006 -0.210 0.190	-0.006 -0.087 0.073	-0.004 -0.044 0.036	-0.001 -0.043 0.037	0.002 -0.041 0.039	0.003 -0.040 0.040	0.003 -0.037 0.043	0.003 -0.037 0.043
Coil 4 R	0.008 -0.055 0.065	0.010 -0.055 0.065	0.010 -0.058 0.062	0.005 -0.055 0.065	-0.006 -0.062 0.058	-0.003 -0.064 0.056	-0.004 -0.063 0.057	-0.006 -0.062 0.058
Coil 4 Q	-0.014 -0.320 0.280	0.002 -0.099 0.101	0.002 -0.060 0.060	0.013 -0.055 0.065	0.009 -0.067 0.063	0.003 -0.057 0.063	0.002 -0.061 0.059	-0.000 -0.061 0.059
Coil 5 R	0.012 -0.120 0.120	0.019 -0.112 0.128	0.016 -0.114 0.128	0.019 -0.112 0.128	0.008 -0.109 0.131	0.007 -0.102 0.138	0.001 -0.114 0.128	-0.005 -0.121 0.119
Coil 5 Q	-0.001 -0.697 0.603	0.003 -0.260 0.260	-0.008 -0.120 0.120	0.012 -0.122 0.118	0.012 -0.122 0.118	0.013 -0.113 0.127	0.013 -0.119 0.121	-0.003 -0.120 0.120
Coil 6 R	0.009 -0.310 0.290	0.007 -0.293 0.307	0.044 -0.317 0.283	-0.007 -0.324 0.276	0.010 -0.295 0.315	-0.020 -0.295 0.305	-0.011 -0.275 0.325	-0.014 -0.277 0.323
Coil 6 Q	0.006 -1.530 1.470	-0.001 -0.688 0.614	0.008 -0.311 0.289	-0.004 -0.324 0.276	0.010 -0.319 0.281	0.026 -0.299 0.301	-0.003 -0.314 0.286	-0.004 -0.318 0.282

ELEC. GAINS

	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 M	126.13 129.70 128.75	124.78 122.41 127.41	122.30 120.02 124.92	118.76 116.54 121.30	113.97 111.81 116.37	108.08 106.10 110.43	100.90 98.99 103.03	92.93 91.12 94.84
Coil 0 P	7.500 4.494 10.494	23.733 20.688 26.688	39.686 36.624 42.624	55.654 52.587 58.587	71.725 68.638 74.638	87.866 84.769 90.769	104.052 100.925 106.925	120.259 117.104 123.104
Coil 1 M	223.35 218.83 227.78	221.49 217.08 226.94	218.05 213.73 222.46	212.82 208.71 217.23	205.68 201.69 209.86	196.50 192.62 200.48	184.66 181.10 188.49	171.01 167.68 174.62
Coil 1 P	7.378 4.364 10.364	23.286 20.229 26.228	38.981 35.886 41.886	54.788 51.680 57.680	70.804 67.668 73.668	87.059 83.891 89.891	103.356 100.176 106.176	119.855 116.605 122.605
Coil 2 M	444.26 436.33 453.10	439.55 430.88 448.46	431.02 422.53 439.77	418.52 410.41 427.16	402.01 394.07 410.16	381.32 374.11 389.38	356.31 349.31 363.56	328.30 322.06 336.21
Coil 2 P	7.571 4.660 10.660	24.013 20.952 26.952	40.156 37.082 43.082	56.338 53.227 59.227	72.594 69.462 75.462	88.956 85.805 91.805	105.352 102.171 108.171	121.812 118.583 124.583
Coil 3 M	715.42 700.90 729.50	709.43 695.17 723.64	698.80 684.73 712.68	682.85 669.49 696.82	661.45 648.21 674.66	633.97 621.63 647.01	599.76 588.02 612.02	560.91 549.95 572.39
Coil 3 P	7.072 4.054 10.054	22.362 19.297 25.297	37.416 34.314 40.314	52.523 49.362 55.362	67.766 64.591 70.591	83.169 79.968 85.968	98.641 95.408 101.408	114.255 110.949 116.949
Coil 4 M	1092.9 1071.4 1115.1	1078.4 1057.5 1100.6	1052.1 1031.7 1073.9	1015.7 996.6 1037.3	970.0 951.4 990.2	916.4 899.6 936.3	855.2 839.3 873.6	790.3 776.0 807.7
Coil 4 P	7.754 4.731 10.731	24.350 21.269 27.268	40.573 37.447 43.447	56.654 53.488 59.488	72.640 69.435 75.435	88.544 85.295 91.295	104.332 101.041 107.041	120.104 116.755 122.755
Coil 5 M	2310.2 2260.5 2352.8	2289.5 2241.1 2332.6	2251.9 2204.4 2294.4	2195.7 2160.4 2238.2	2118.8 2074.2 2159.9	2018.4 1977.4 2058.2	1891.5 1852.3 1927.9	1744.2 1708.8 1778.6
Coil 5 P	7.838 4.815 10.815	24.725 21.650 27.650	41.378 38.270 44.270	58.164 55.028 61.028	75.153 71.972 77.972	92.353 89.132 95.132	109.676 106.457 112.457	127.144 123.868 129.868
Coil 6 M	5933.8 5805.8 6042.7	5847.1 5723.1 5956.7	5693.5 5573.4 5800.8	5478.2 5366.1 5585.1	5210.2 5101.8 5310.0	4895.6 4797.9 4993.7	4534.4 4441.6 4622.9	4148.6 4066.3 4231.2
Coil 6 P	8.195 5.168 11.168	26.050 22.962 28.962	43.443 40.303 46.303	60.697 57.529 63.529	77.842 74.651 80.651	94.983 91.719 97.719	111.988 108.691 114.691	128.950 125.655 131.655

INSTRUMENT CONFIGURATION

62.21'

CABLEHEAD

Diameter : 3.38"
 Length : 5.50'
 Weight : 24 lbs
 Series : CABL338
 Mnemonic : CBLH
 Volume Disp. : 9.7 L
 Measure Point: 2.75' CABLEHEAD TOP
 Tensile Str. : 120000 lbs
 Compressive : 120000 lbs



CABLEHEAD TOP — 59.46'

TTRM SUB

Diameter : 3.63"
 Length : 3.83'
 Weight : 62 lbs

Source File: E:\dat1a\149_kebo_blackstone_1_170698p777q_HGR_6CAL~tdg.meta

Weight : 215 lbs
Series : 3981XA
Mnemonic : TTRM
Volume Disp. : 7.8 L
Measure Point: 1.38': TEMP MP
Measure Point: 1.13': RM MP

TEMP MP 54.26'
RM MP 54.01'

WTS COMMON REMOTE

Diameter : 3.63"
Length : 6.36'
Weight : 128 lbs
Series : 3514XC
Mnemonic : WTS
Volume Disp. : 13.0 L
Temp Rating : 400 deg. F
Tensile Str. : 78000 lbs
Compressive : 114000 lbs

DIGITAL SPECTRALOG

Diameter : 3.63"
Length : 7.31'
Weight : 130 lbs
Series : 1329XB
Mnemonic : DSL
Volume Disp. : 14.9 L
Measure Point: 1.60': GR MP
Temp Rating : 400 deg. F
Tensile Str. : 78000 lbs
Compressive : 85000 lbs

GR MP 40.80'

HIGH DEFINITION INDUCTION TOOL

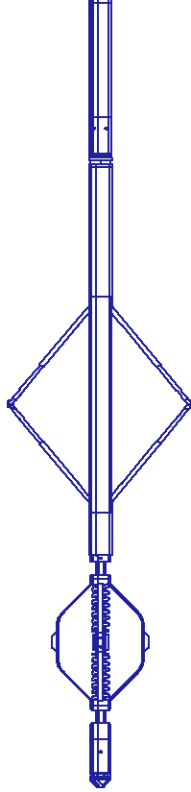
Diameter : 3.63"
Length : 27.13'
Weight : 415 lbs
Series : 1515XA
Mnemonic : HDIL
Volume Disp. : 55.1 L
Measure Point: 13.91': SP MP
Measure Point: 7.44': XMTR MP
Temp Rating : 400 deg. F
Tensile Str. : 36000 lbs
Compressive : 1900 lbs

SP MP 25.98'

XMTR MP 19.51'

WELL GEOMETRY INSTRUMENT

Diameter : 3.63"
 Length : 7.61'
 Weight : 100 lbs
 Series : 4253XA
 Mnemonic : WGI
 Volume Disp. : 15.4 L
 Measure Point: 2.85' RADII MP
 Temp Rating : 400 deg. F
 Tensile Str. : 78000 lbs
 Compressive : Borehole Size Dependent



RADII MP 7.30'

0.00'

4 ARM BOW SPRING CENTRALIZER

Diameter : 3.38"
 Length : 4.12'
 Weight : 72 lbs
 Series : 4341XA
 Mnemonic : CENT
 Volume Disp. : 7.3 L
 Tensile Str. : 78000 lbs

BULL PLUG 3 3/8

TOTAL LENGTH: 62.21'
 TOTAL WEIGHT: 939 lbs
 MAX DIAMETER: 0'3.83"
 TOTAL VOLUME DISPLACEMENT: 123.7 L (0.8 bbl) Est.



COMPANY KEBO OIL & GAS, INC.
WELL BLACK STONE #1
FIELD WILDCAT
COUNTY BRAZORIA **STATE** TEXAS

FILE NO:

API NO:
42-039-33353

LOCATION:
 815' FNEL & 813' FSEL OF LEASE
 2580' FSWL & 2682' FNWL OF SURVEY
 SWNGLE, A
 A-369

ELEVATIONS:
 KB 19.6 FT
 DF 18.6 FT
 GL 2.6 FT

FIELD PRINT
 LAUSON 2

DATE 16-AUG-2020