



HIGH DEFINITION INDUCTION LOGSM
COMPENSATED Z-DENS LOGSM
GAMMA RAY LOG
CALIPER LOG

FILE NO: 83012
API NO: 05-121-11041
COMPANY BAYSWATER EXPLORATION & PRODUCTION
WELL CRAIG #44-18
FIELD WILDCAT
COUNTY WASHINGTON STATE COLORADO

Ver. 3.87 LOCATION: OTHER SERVICES

SHL 1110' FSL & 962' FEL

SEC 18 TWP 4S RGE 49W

PERMANENT DATUM GL ELEVATION 4490 FT
LOG MEASURED FROM KB 12 FT ABOVE P.D.
DRILL MEAS. FROM KB ELEVATIONS:
KB 4502 FT
DF
GL 4490 FT

DATE	04-Mar-2014
RUN	1
TRIP	1
SERVICE ORDER	US647714
DEPTH DRILLER	3803 FT
DEPTH LOGGER	3795 FT
BOTTOM LOGGED INTERVAL	3788 FT
TOP LOGGED INTERVAL	0 FT
CASING DRILLER	8.625 IN @ 212 FT
CASING LOGGER	220 FT
BIT SIZE	7.875 IN
TYPE OF FLUID IN HOLE	WBM
DENSITY	8.7 LB/G
VISCOSITY	44 CP
PH	10
FLUID LOSS	7.2 C3
SOURCE OF SAMPLE	FLOWLINE
RM AT MEAS. TEMP.	0.49 OHMM @ 72 DEGF
RMF AT MEAS. TEMP.	0.39 OHMM @ 71 DEGF
RMC AT MEAS. TEMP.	0.58 OHMM @ 70 DEGF
SOURCE OF RMF	MEASURED
RMC	MEASURED
RM AT BHT	0.30 OHMM @ 121 DEGF
TIME SINCE CIRCULATION	4.5 HOURS
MAX. RECORDED TEMP.	121 DEGF
EQUIP. NO.	HL 6670
LOCATION	GRND JCT
RECORDED BY	L KOCH
WITNESSED BY	D. BRUGMANR. TALKINGTO

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: HDIL-DAL-ML-ZDL-CN-GR RUN IN COMBINATION

LAST CIRCULATED ON 4-MAR-2014 @ 11:00
MAIN LOG OFF BOTTOM ON 4-MAR-2014 @ 15:30

BVOL AND CVOL PRESENTED IN CUBIC FEET
CVOL CALCULATED USING 4.5" CASING
CALIPER VERIFIED IN CASING

MATRIX - SANDSTONE
RHO MATRIX - 2.65 G/CC
RHO FLUID - 1.0 G/CC

BETWEEN 3400' AND 2500', MATRIX IS LIMESTONE, RHO MATRIX - 2.71 G/CC

DT MATRIX - 47.3 USEC/FT

DAL WAS RUN CENTRALIZED

CN DECENTRALIZED WAS RUN

CN DECENTRALIZER WAS RUN

HDIL WAS STOOD OFF

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE

RIG: EXCELL RIG #3

CREW: J. MORTON/S. HOLLAR/C. COATE

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	DHPA	4430XB	10161076	FREE
1	1	TTRM	3981XA	10107066	FREE
1	1	WTS	3514XA	10195429	FREE
1	1	DSL	1329XA	10330272	DECENTRALIZED
1	1	CN	2246XA	10068420	DECENTRALIZED
1	1	ZDL	2234XA	10415656	PAD DEVICE - DECENT
1	1	KNJT	3939XA	12396931	FREE
1	1	ML	1243XA	11756187	FREE
1	1	DAL	1677EA/1680MA	117160/172759	CENTRALIZED
1	1	CENT	4341XA	121550	CENTRALIZED
1	1	HDIL	1515EA/1515MA	10326306/364355	STOOD OFF

MAIN LOG 2"/100FT SCALE

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 31 Patches: 5

Plotted: Tue Mar 4 18:16:24 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/083012/n777102.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 72.222 ft BOTTOM DEPTH: 3614.181 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
TTRM	FILTER Q	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"
TENSION	FILTER Q	medium (1)		"	"
GR	FILTER Q	medium (1)		"	"
SP-SPDH	FILTER Q	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	X-Axis		TOP	BOTTOM
BIT SIZE	BIT SIZE	7.875	in	"	"
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	72.0	degF	"	"
	MUD SAMPLE RES	0.490	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*)	7.875	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	"	"

CURVE DESCRIPTION REPORT

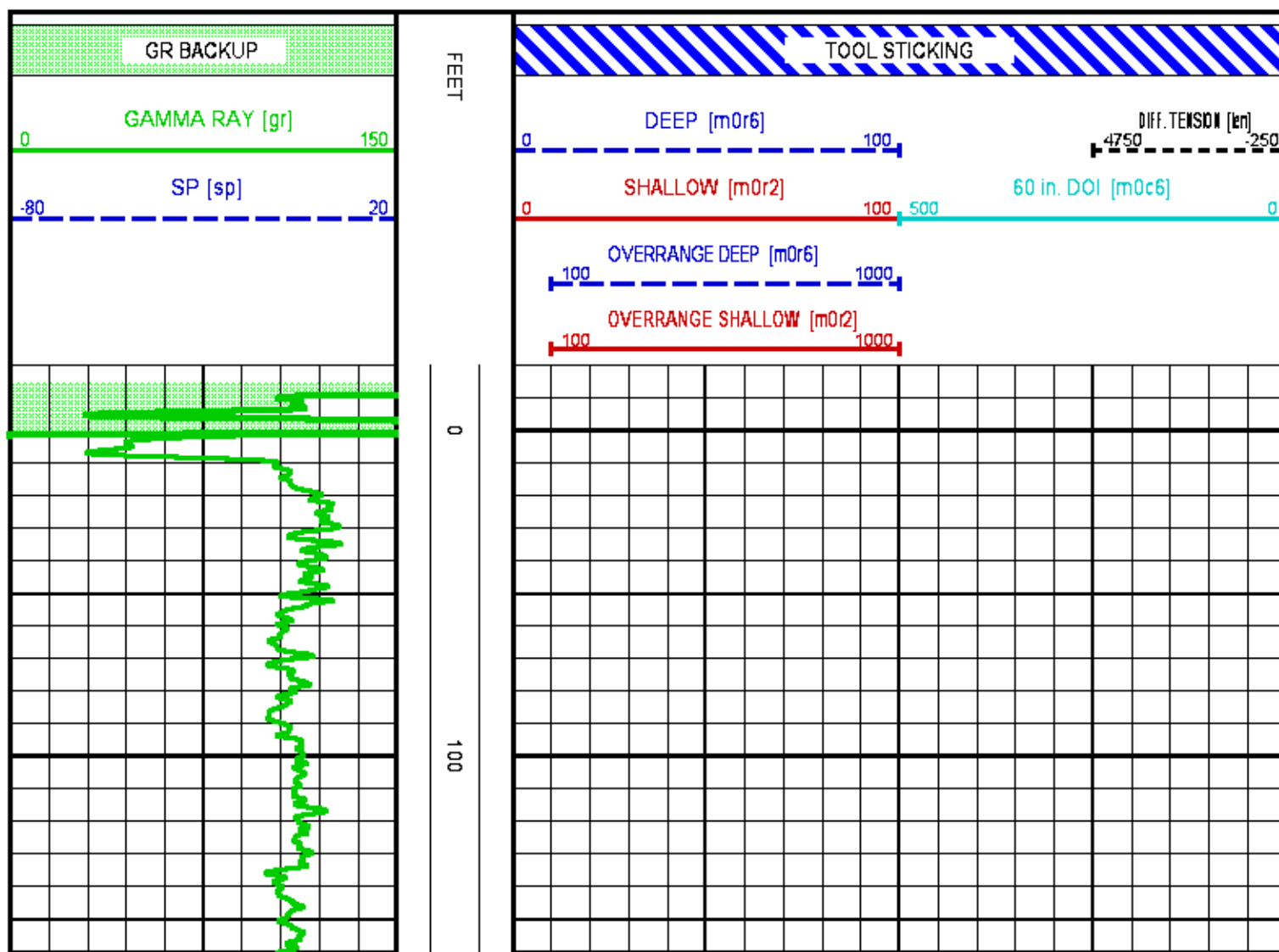
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:GR	Mar 4 15:21:39 2014	GAMMA RAY
F1:MOC6	Mar 4 15:21:39 2014	FOCUSED CONDUCTIVITY, 60-INCH DOI
F1:MOR2	Mar 4 15:21:39 2014	TRUE FOCUSED RESISTIVITY FOR HDIL, 20-INCH DOI
F1:MOR6	Mar 4 15:21:39 2014	TRUE FOCUSED RESISTIVITY FOR HDIL, 60-INCH DOI
F1:SP	Mar 4 15:21:39 2014	SPONTANEOUS POTENTIAL
F1:TEN	Mar 4 15:21:39 2014	DIFFERENTIAL TENSION

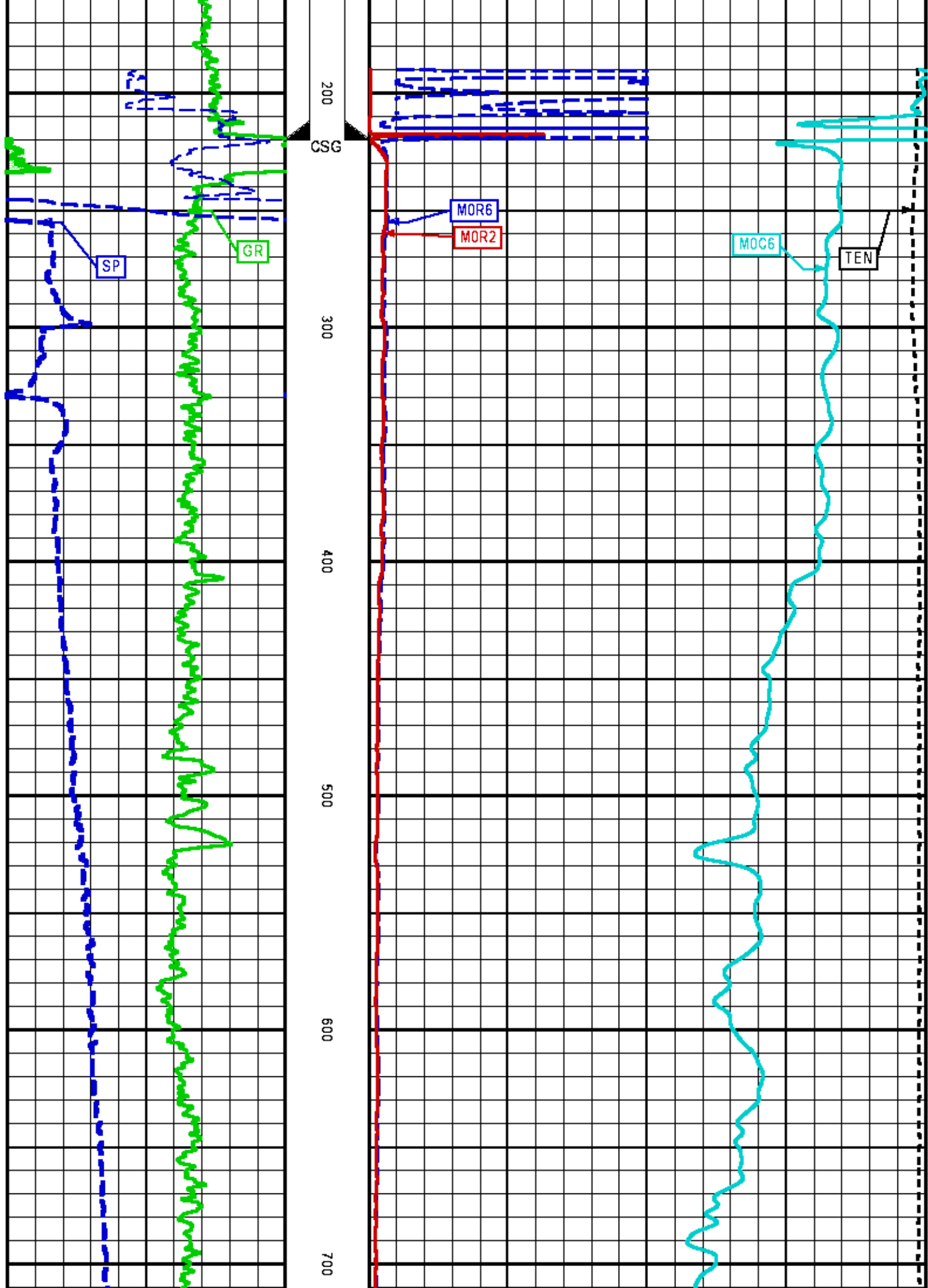
CURVE MEASURE POINT OFFSET

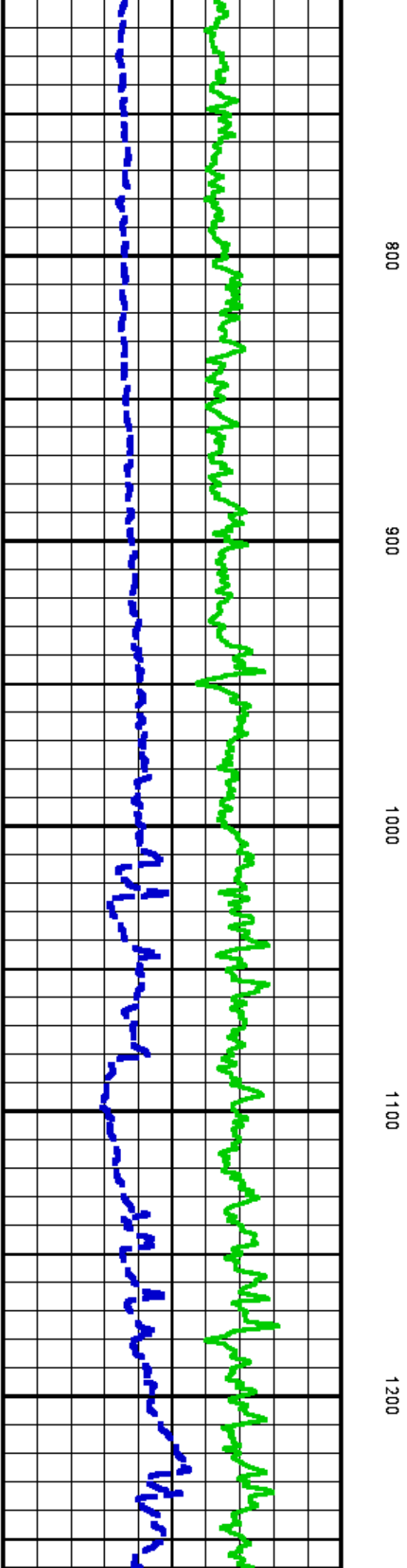
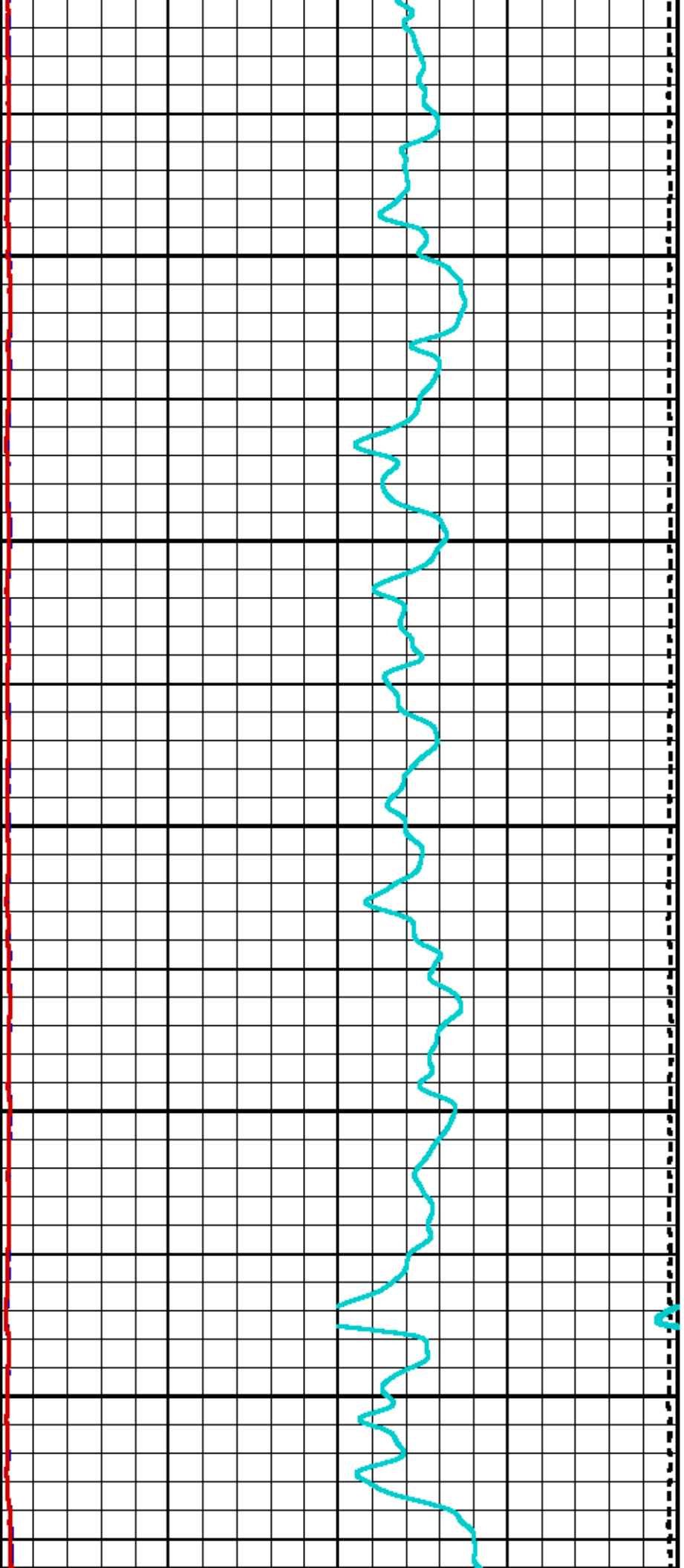
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GR	88.12	MOR2	8.00	SP	14.00		
MOC6	8.00	MOR6	8.00	TEN	0.00		

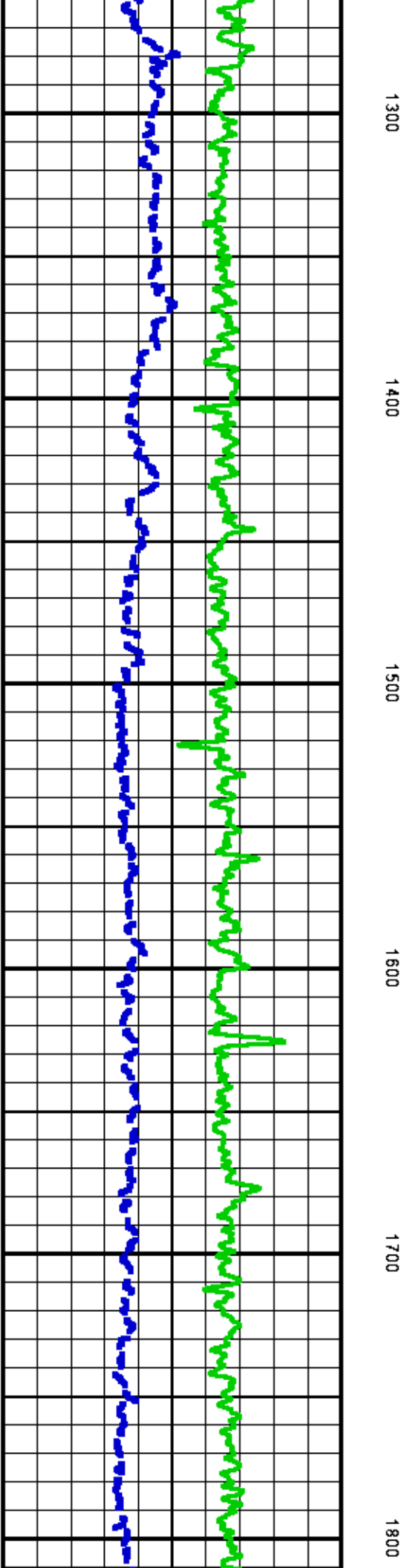
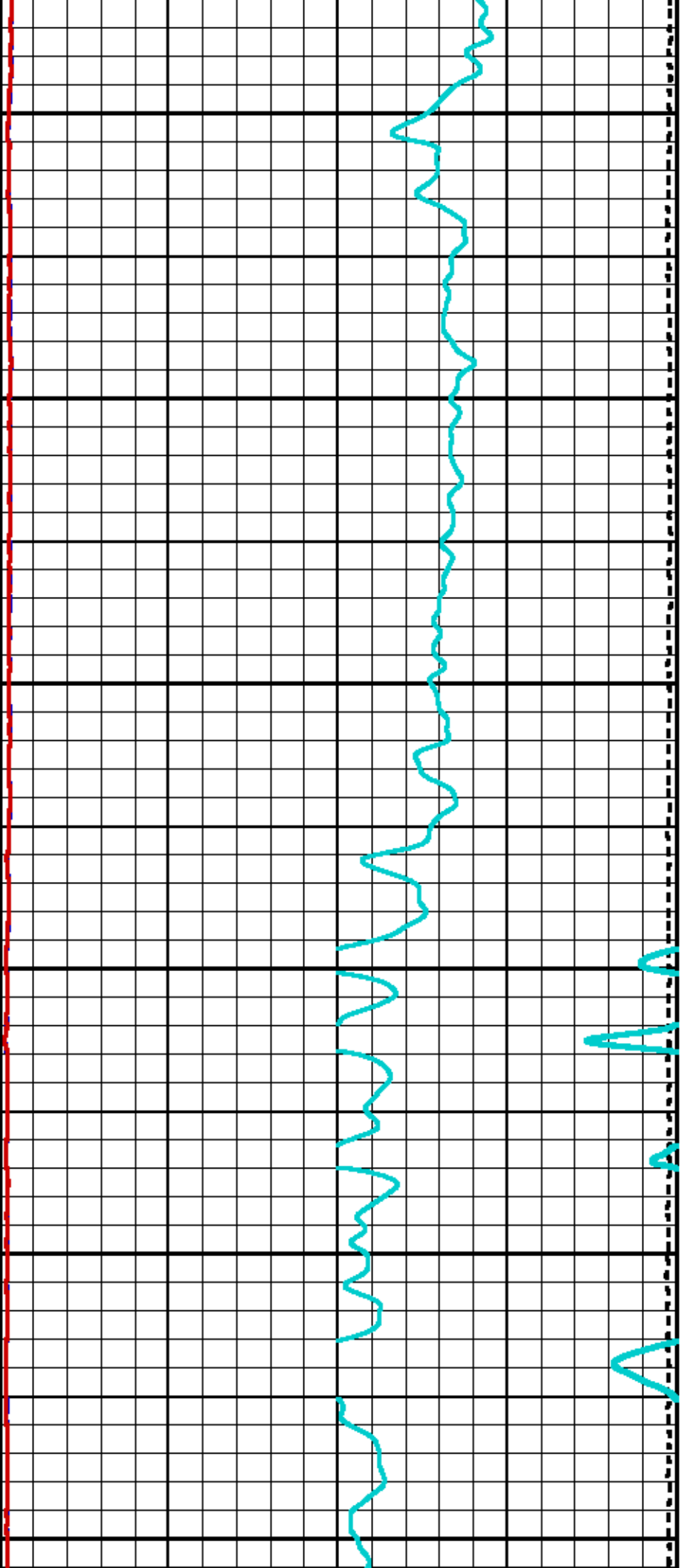
Presentation : HL6670:/dat1a/083012/HDILLIN.fvpdf [2"/100" Scale]
Plot Interval : -14.75 - 3814.25 Feet

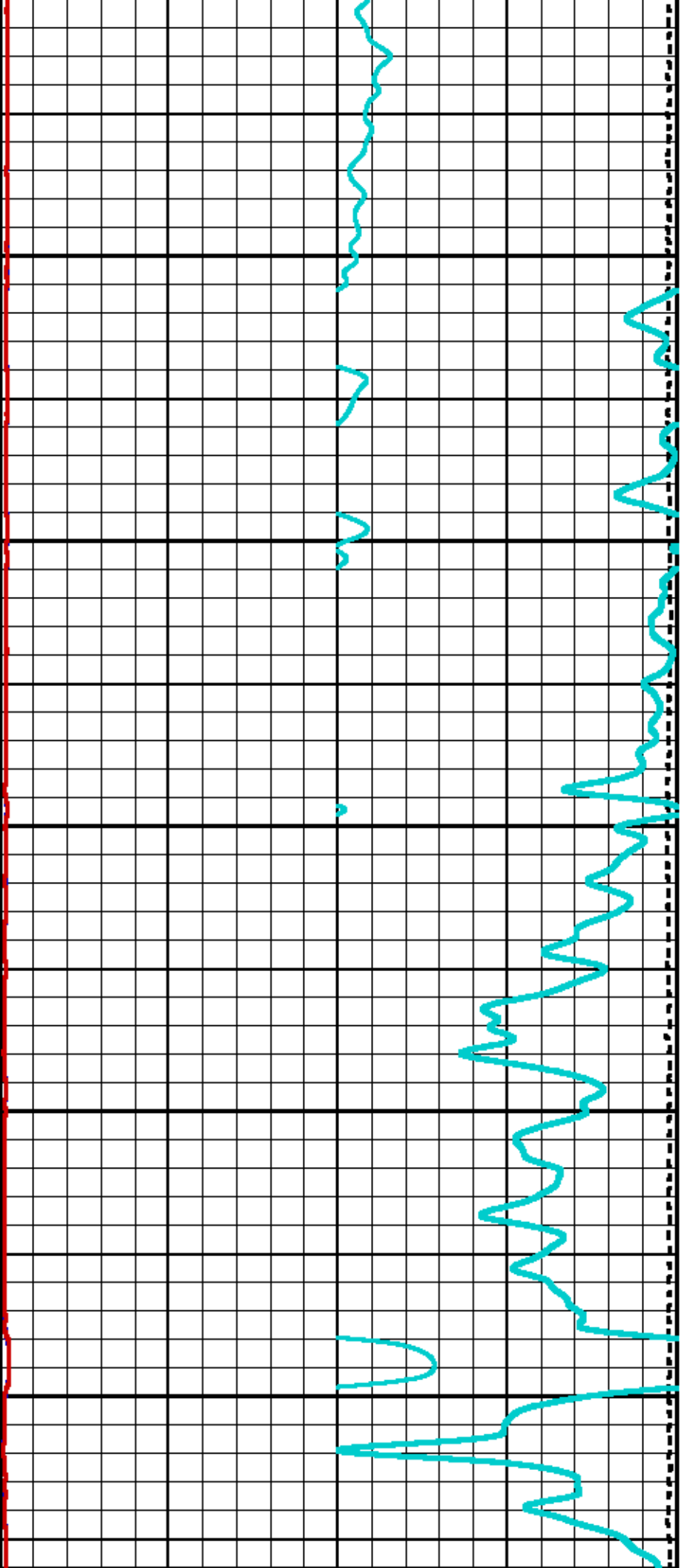
Data File 1 : F1 : HL6670:/dat1a/083012/MAIN.xtf
Created On : Mar 4 15:21:39 2014
Company : BAYSWATER EXPLORATION AND PRODUCTION
Well : CRAIG #44-18
Field : WILDCAT
File Interval : -28.25 - 3814.25 Feet
OCT : n7771











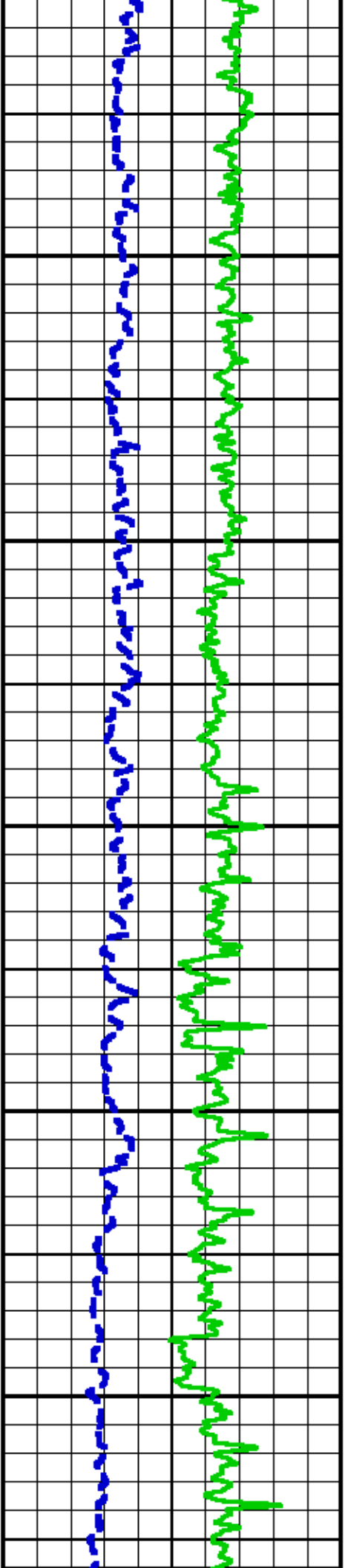
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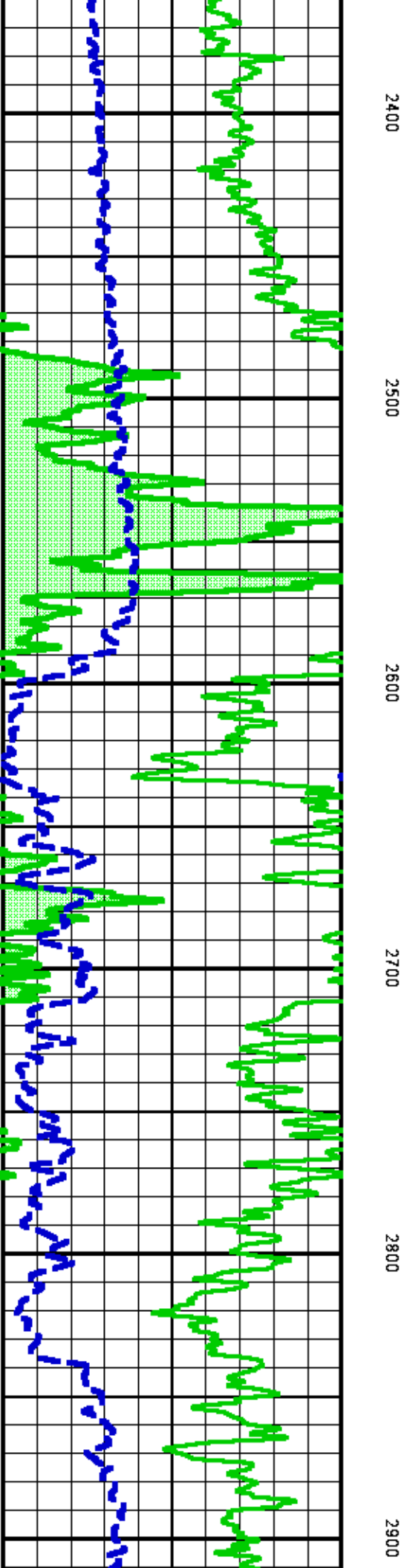
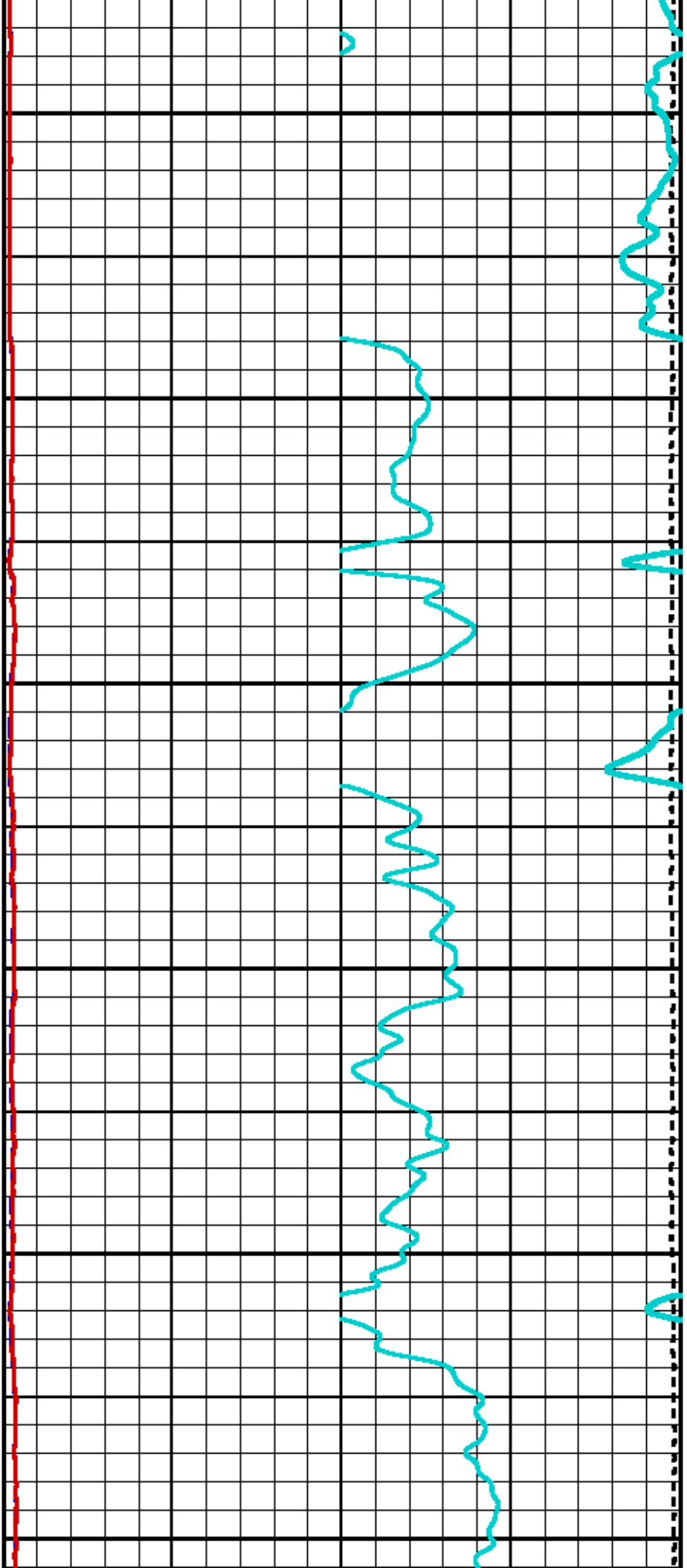
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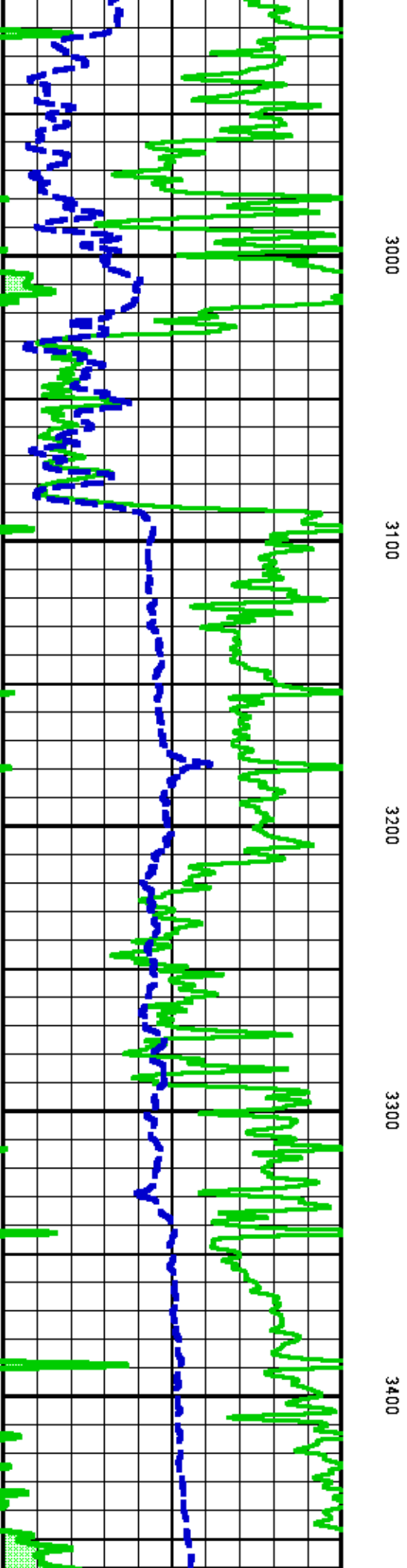
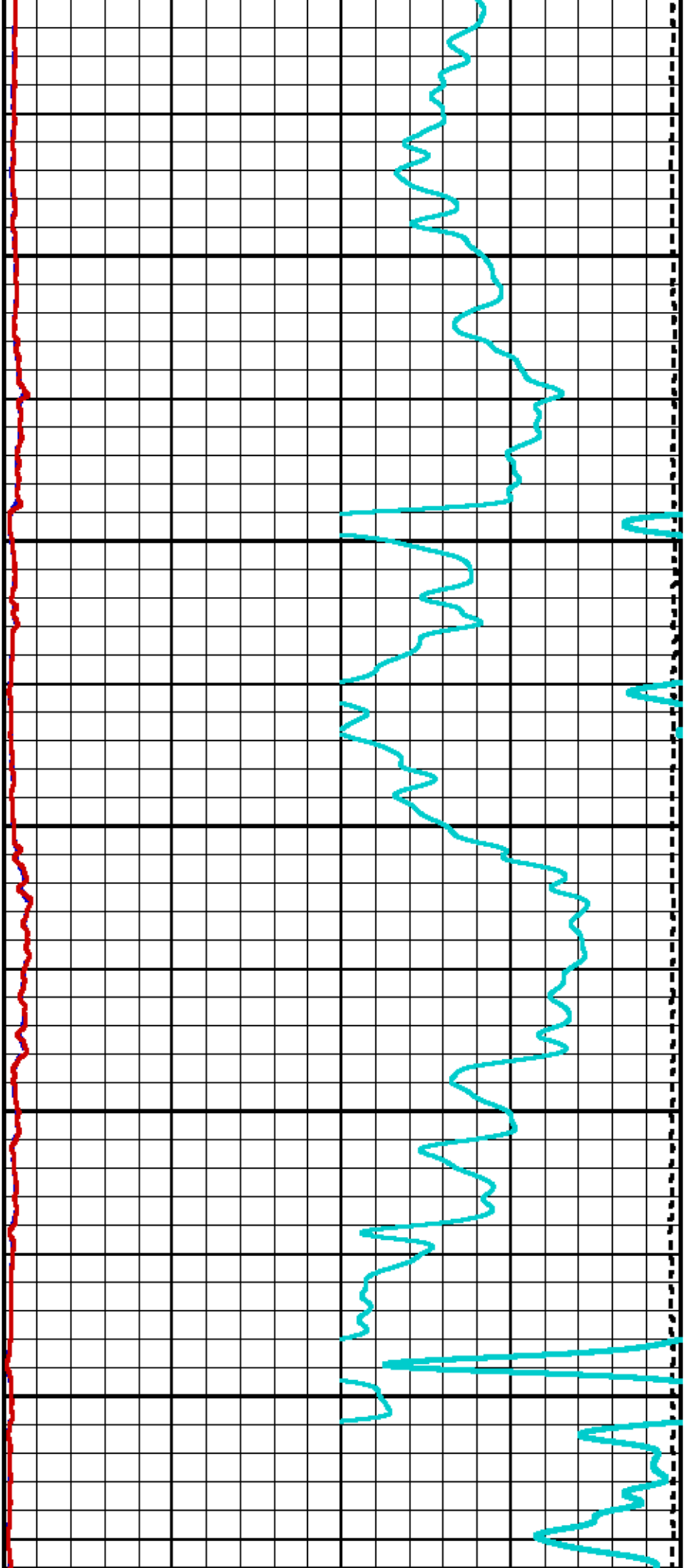
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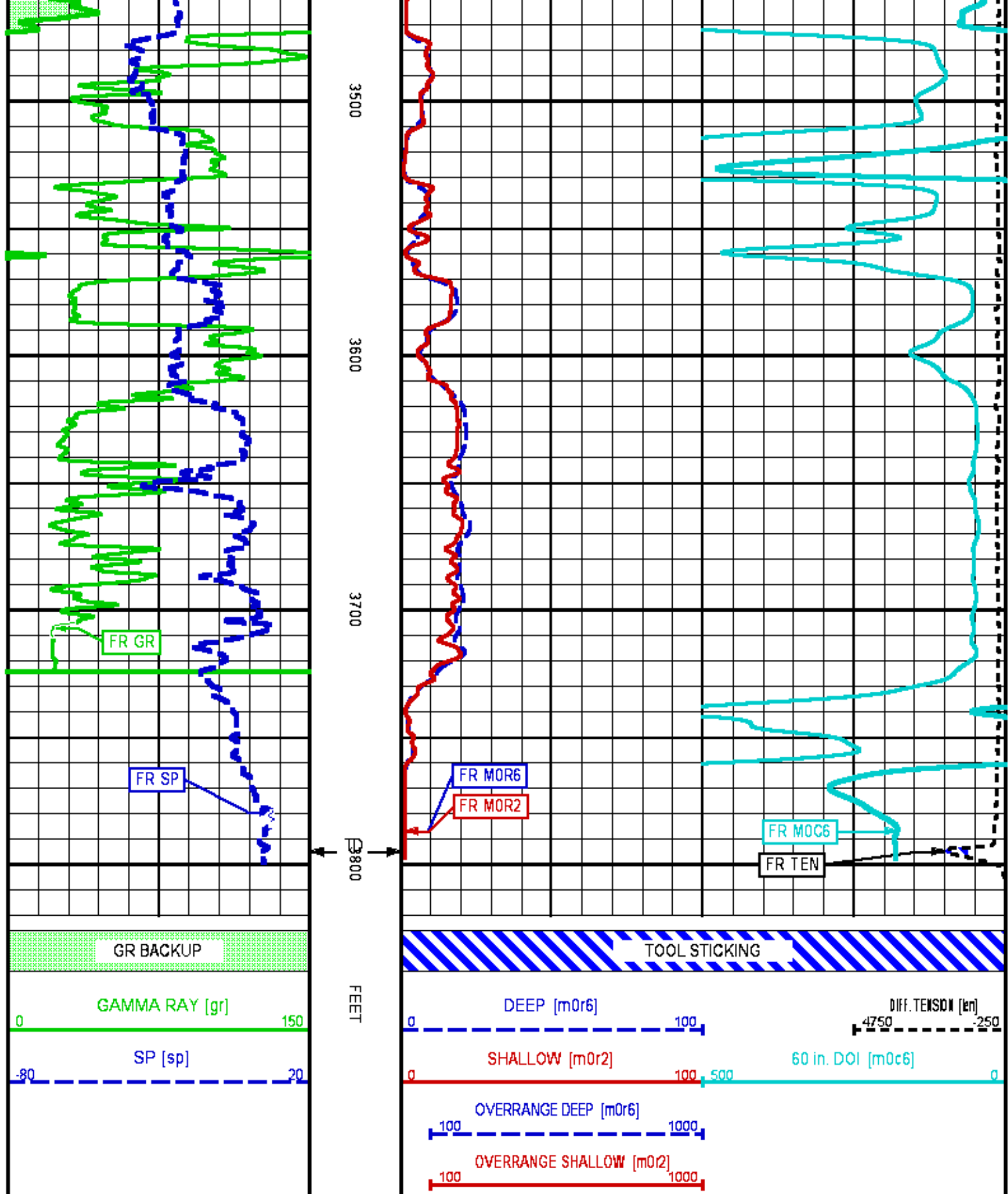
2200

2300









MAIN LOG 5"/100FT SCALE

Plotted: Tue Mar 4 18:14:01 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/083012/n777102.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 72.222 ft BOTTOM DEPTH: 3814.181 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
TTRM	FILTER (j)	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"
TENSION	FILTER (j)	medium (1)		"	"
GR	FILTER (j)	medium (1)		"	"
CN	FILTER (j)	medium (1)		"	"
CALIPER	FILTER (j)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1s*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2s*)	medium		"	"
	FILTER (soft*)	medium		"	"
SP-SPDH	FILTER (j)	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	4.500	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	"	"
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	X-Axis		"	"
BIT SIZE	BIT SIZE	7.875	in	"	"
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	72.0	degF	"	"
	MUD SAMPLE RES	0.490	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. (cnbh*)	USE CALIPER		"	"
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		"	"
	CALIPER/FIXED DIA. (zdbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	7.875	in	"	"
	FIXED DIAMETER (mbh*)	7.875	in	"	"
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		"	"

CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2446 CN MATRIX	2446 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	3200	ppm	"	"
CN TOOL STANDOFF	ENABLE STANDOFF CORR	OFF		"	"
	STANDOFF AMOUNT	0.00	in	"	"
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	7.875	in	"	"

ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
MUD DENSITY	MUD DENSITY	8.70	lbm/gal	TOP	BOTTOM
DENSITY POROSITY	RHOmatrix	2.680	g/cm3	"	"
	RHOfluid	1.000	g/cm3	"	"
	RHOmatrix (lime)	2.710	g/cm3	"	"
ZDL	DENX TRACKING	ON		"	"

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM

ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON	"	"
	ABC to CALCULATE	STANDOFF	"	"
	STANDOFF	1.50	in	"
	TOOL POSITION	ECCENTERED	"	"
	Rmud MULTIPLIER	1.000	"	"

CURVE DESCRIPTION REPORT

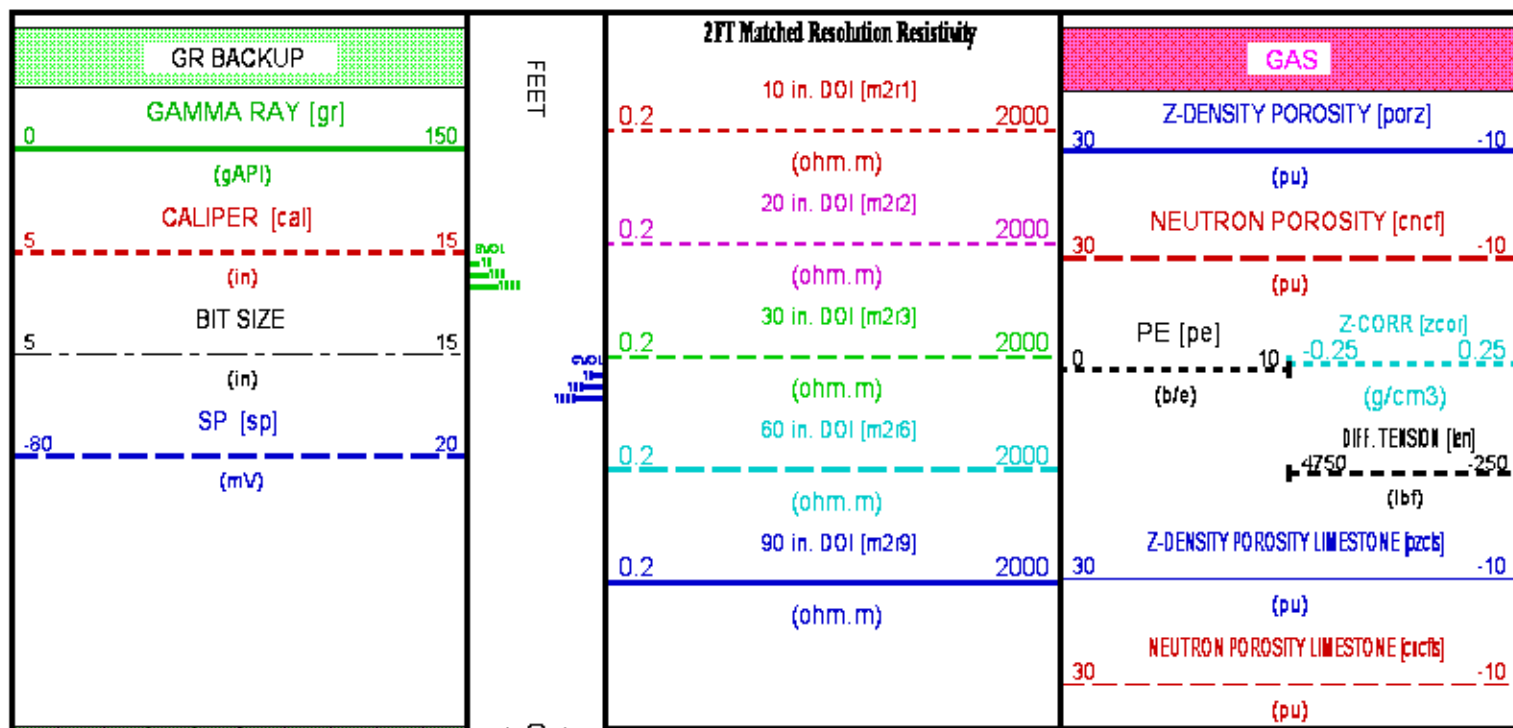
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Mar 4 15:21:39 2014	BIT SIZE
F1:BVOL	Mar 4 15:21:39 2014	BOREHOLE VOLUME
F1:CAL	Mar 4 15:21:39 2014	CALIPER
F1:CNCF	Mar 4 15:21:39 2014	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CNCFLS	Mar 4 15:21:39 2014	FIELD NORMALIZED LIMESTONE COMPENSATED NEUTRON POROSITY
F1:CVOL	Mar 4 15:21:39 2014	CEMENT VOLUME
F1:GR	Mar 4 15:21:39 2014	GAMMA RAY
F1:M2R1	Mar 4 15:21:39 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI
F1:M2R2	Mar 4 15:21:39 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Mar 4 15:21:39 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Mar 4 15:21:39 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Mar 4 15:21:39 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PE	Mar 4 15:21:39 2014	PHOTO ELECTRIC CROSS-SECTION
F1:PORZ	Mar 4 15:21:39 2014	POROSITY FOR SELECTABLE MATRIX
F1:PZCLS	Mar 4 15:21:39 2014	CORRECTED POROSITY FOR LIMESTONE MATRIX
F1:SP	Mar 4 15:21:39 2014	SPONTANEOUS POTENTIAL
F1:TEN	Mar 4 15:21:39 2014	DIFFERENTIAL TENSION
F1:ZCOR	Mar 4 15:21:39 2014	DENSITY CORRECTION

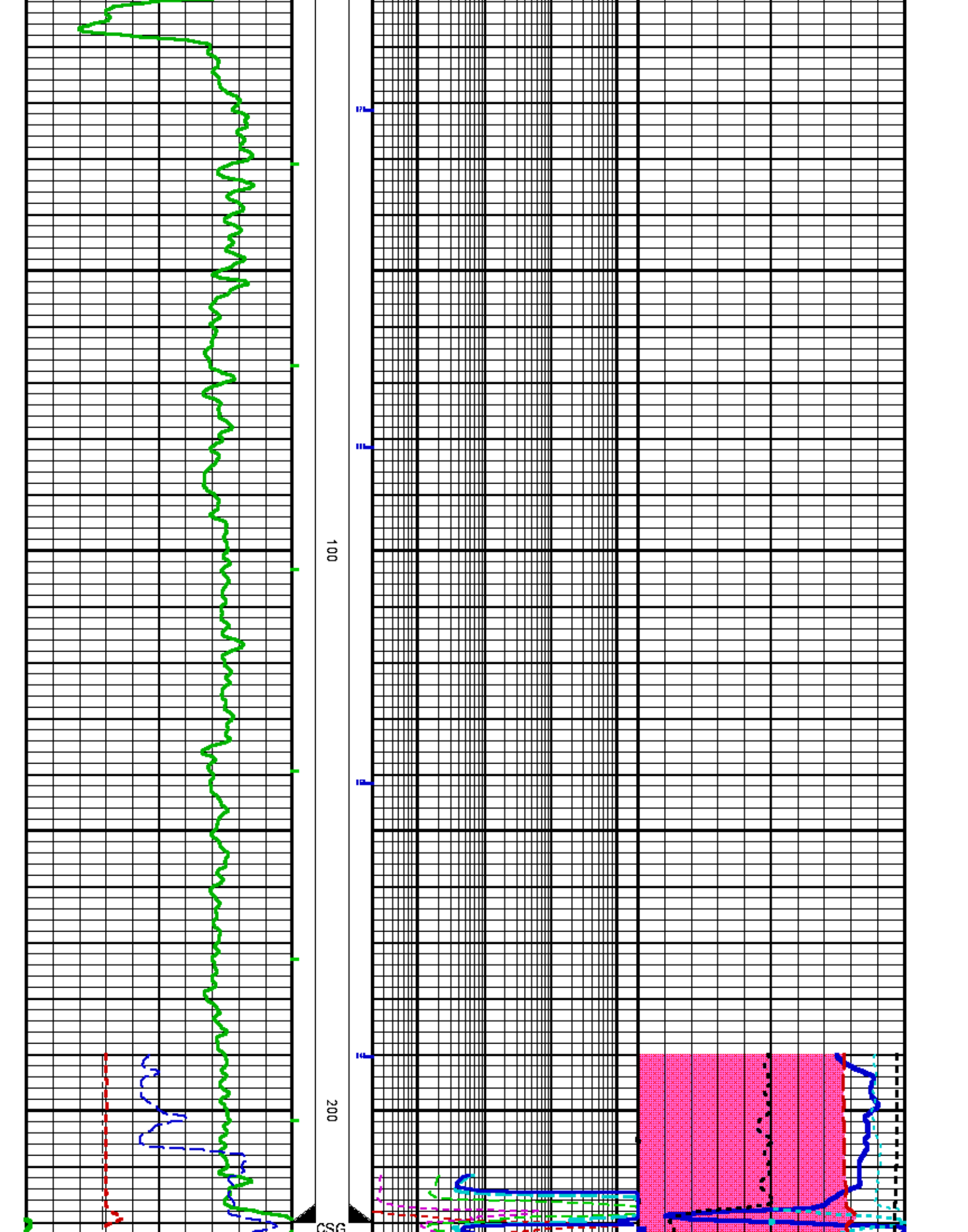
CURVE MEASURE POINT OFFSET

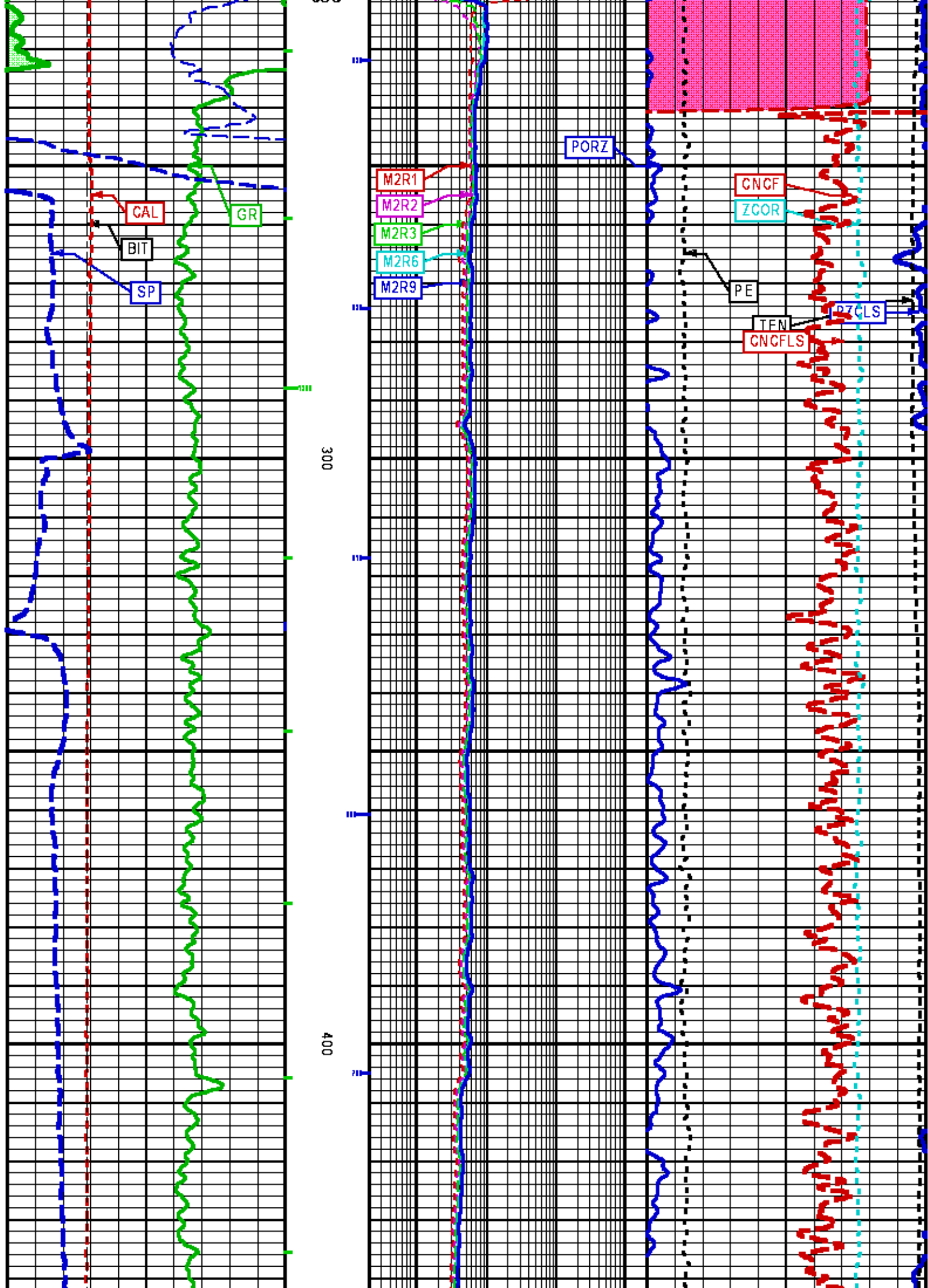
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	GR	88.12	M2R6	8.00	PZCLS	70.25
CAL	53.25	M2R1	8.00	M2R9	8.00	SP	14.00
CNCF	81.25	M2R2	8.00	PE	70.25	TEN	0.00
CNCFLS	81.25	M2R3	8.00	PORZ	70.25	ZCOR	70.25

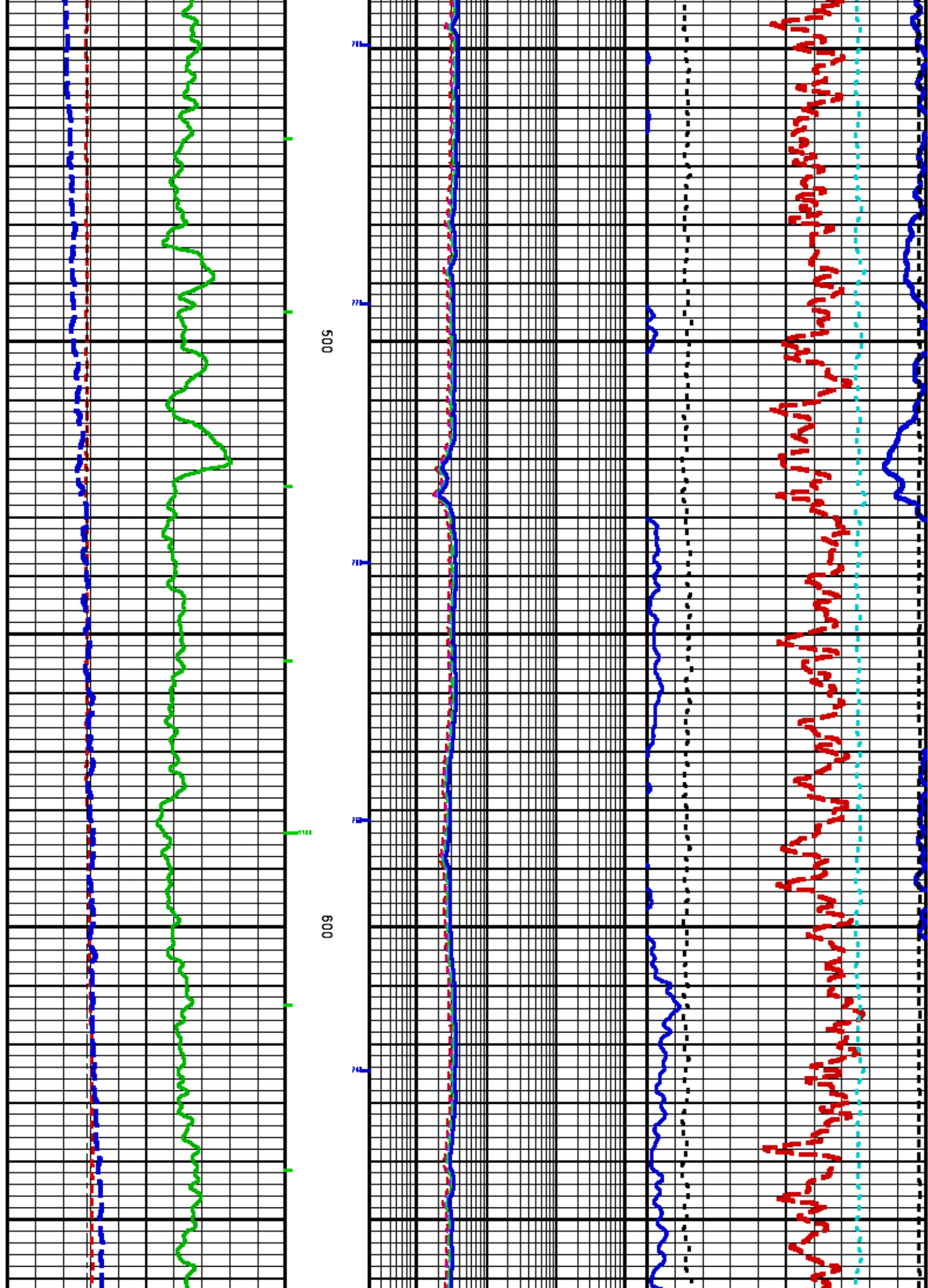
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Plot Interval : 0 - 3814.25 Feet

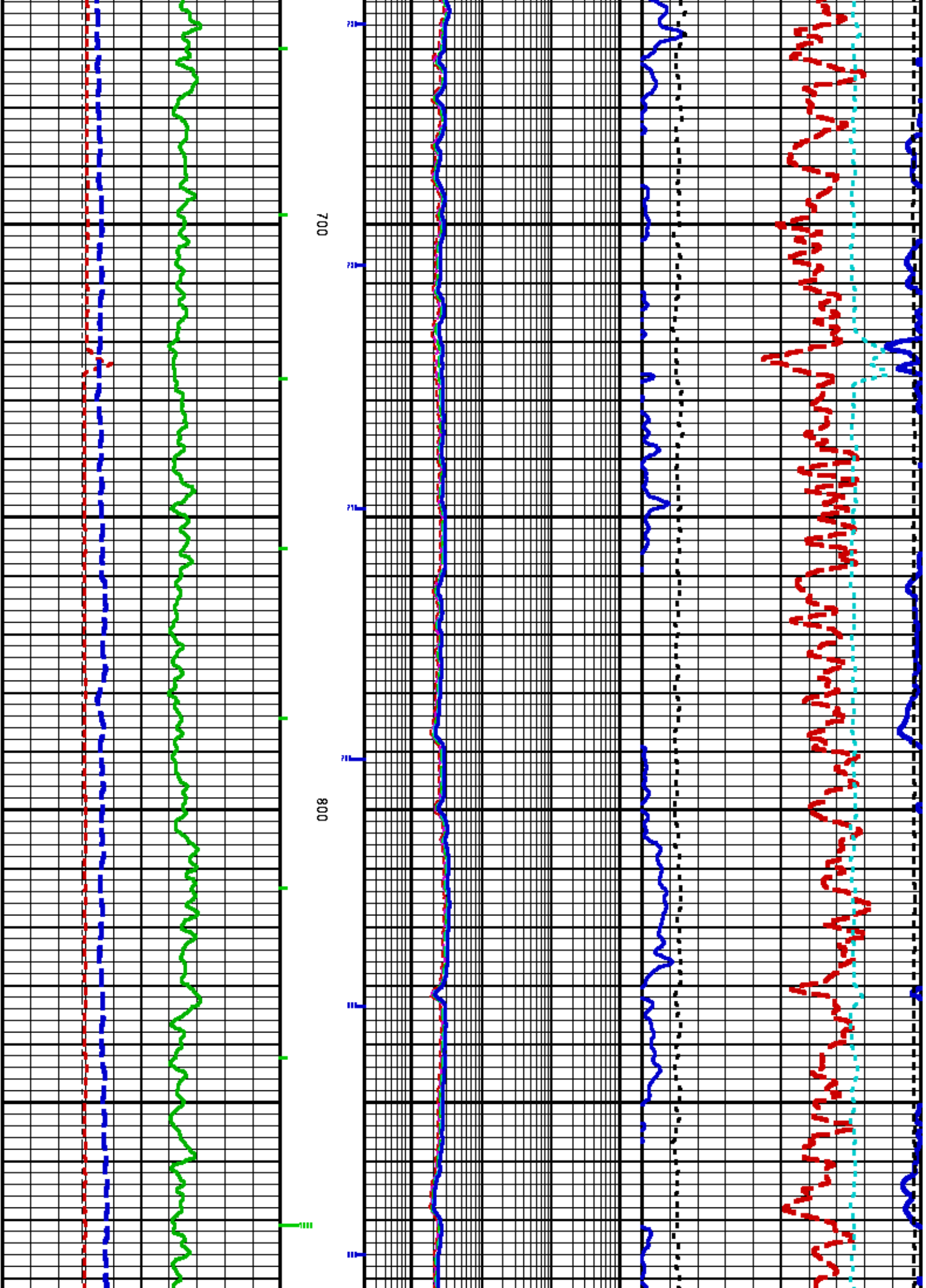
Data File 1 : F1: HL6670:/dat1a/083012/MAIN.xtf
Created On : Mar 4 15:21:39 2014
Company : BAYSWATER EXPLORATION AND PRODUCTION
Well : CRAIG #44-18
Field : WILDCAT
File Interval : -28.25 - 3814.25 Feet
OCT : n7771

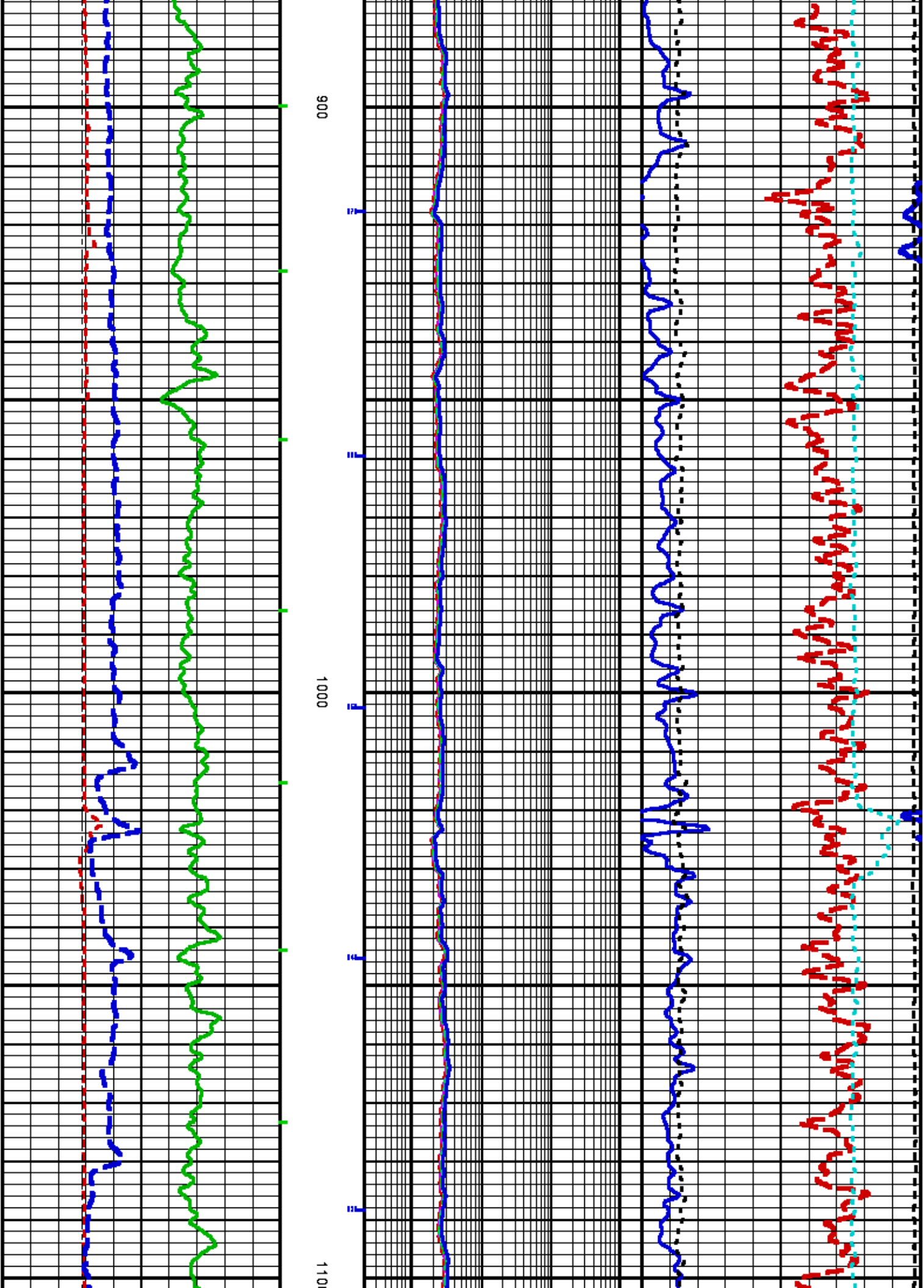


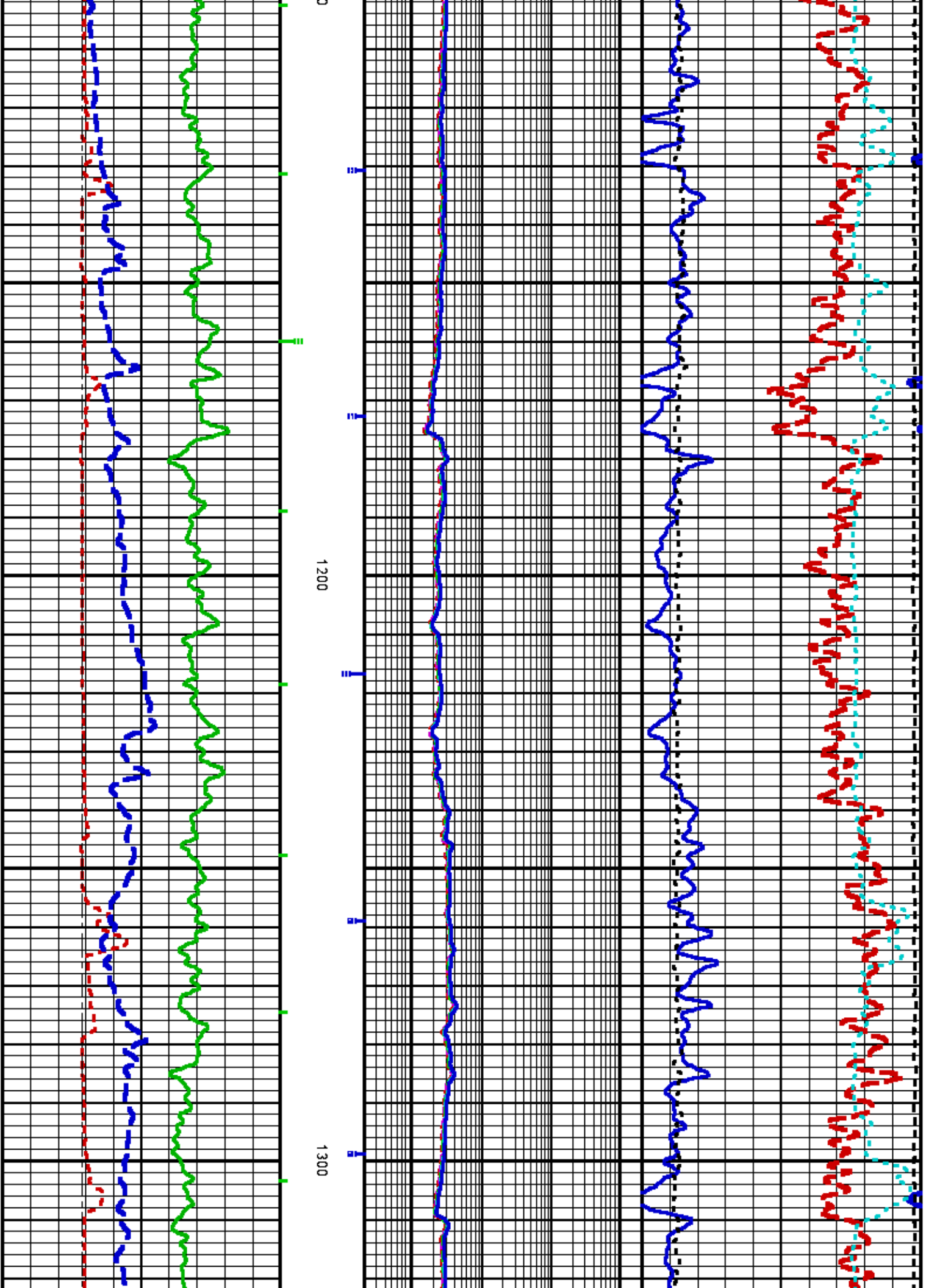


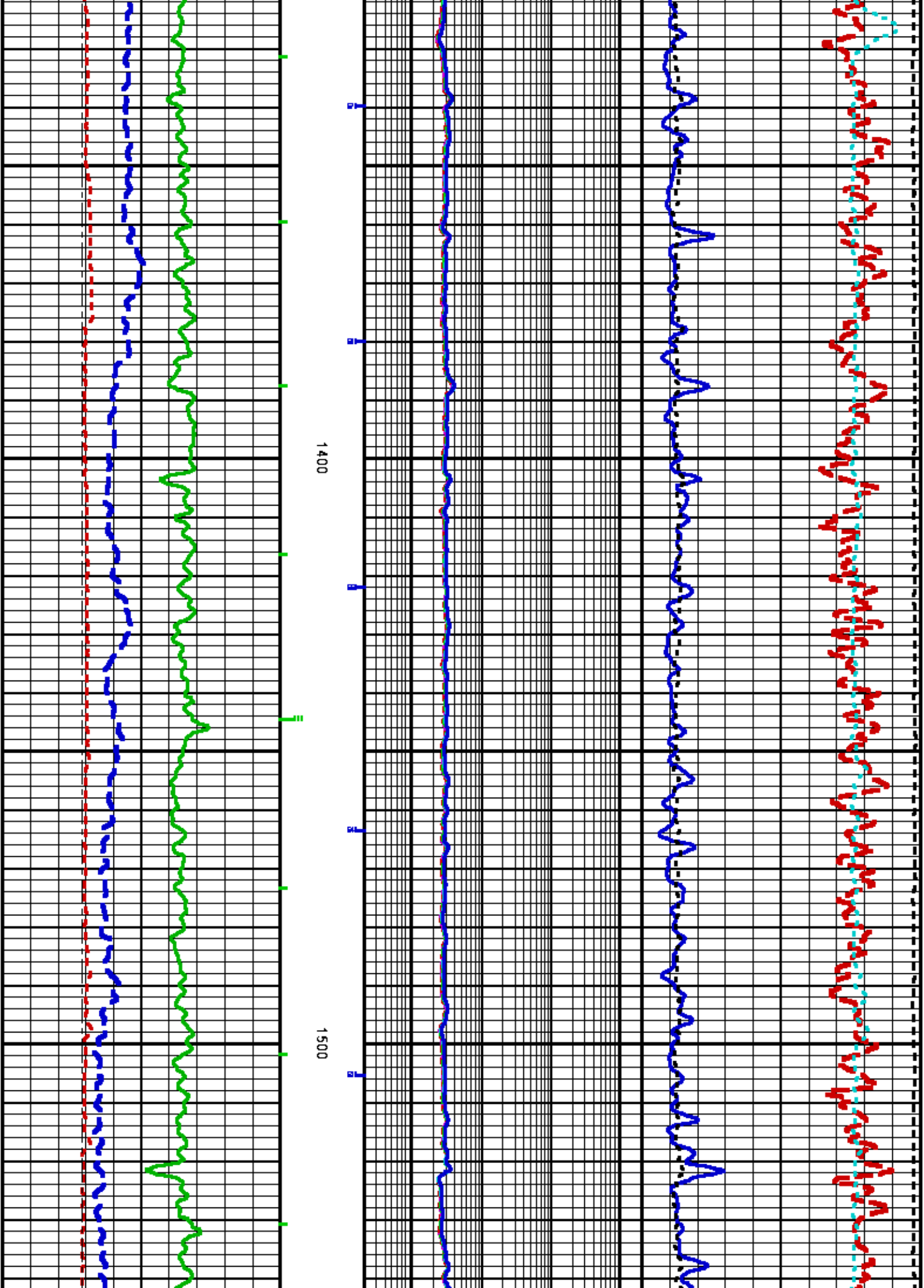


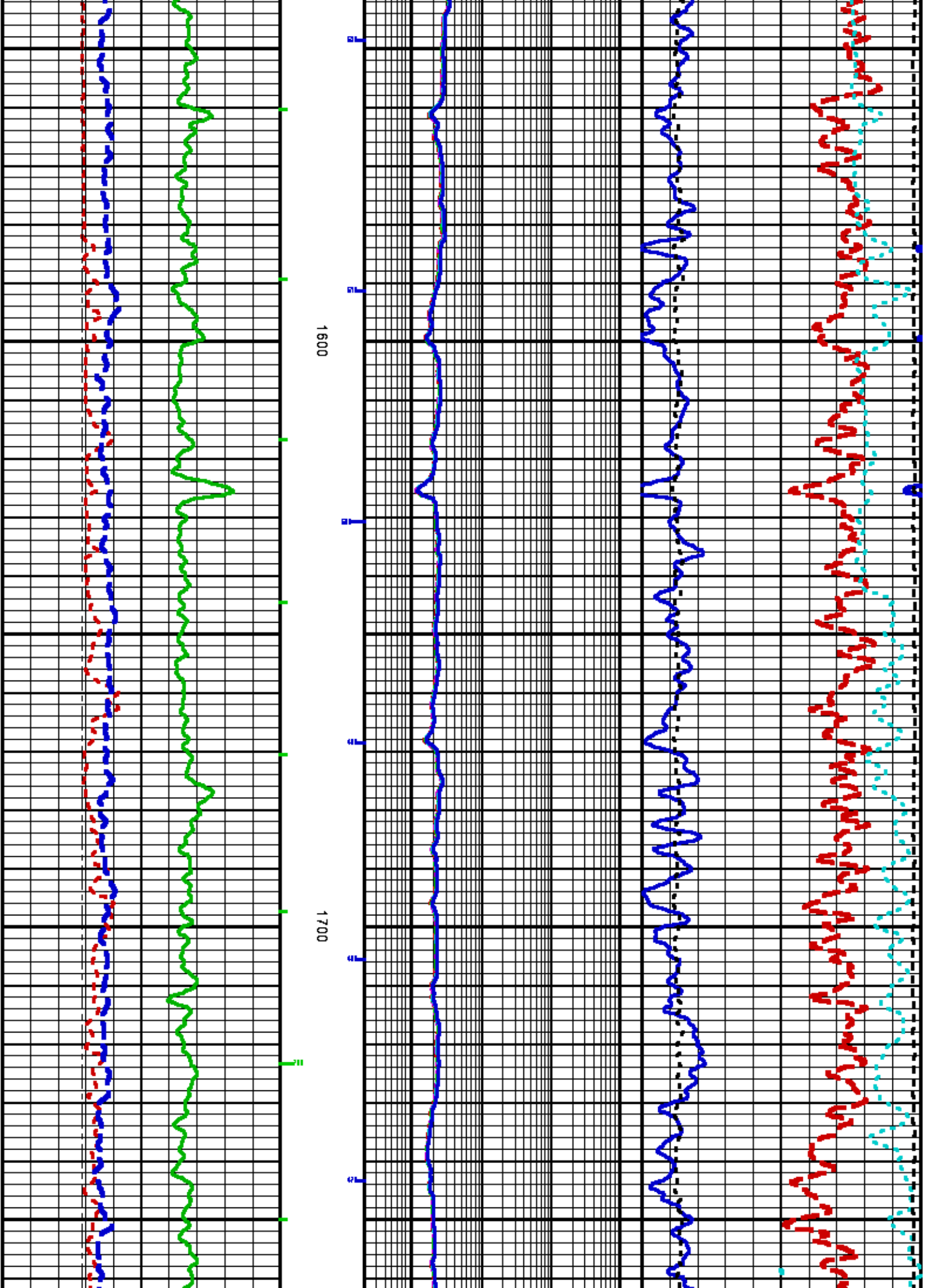


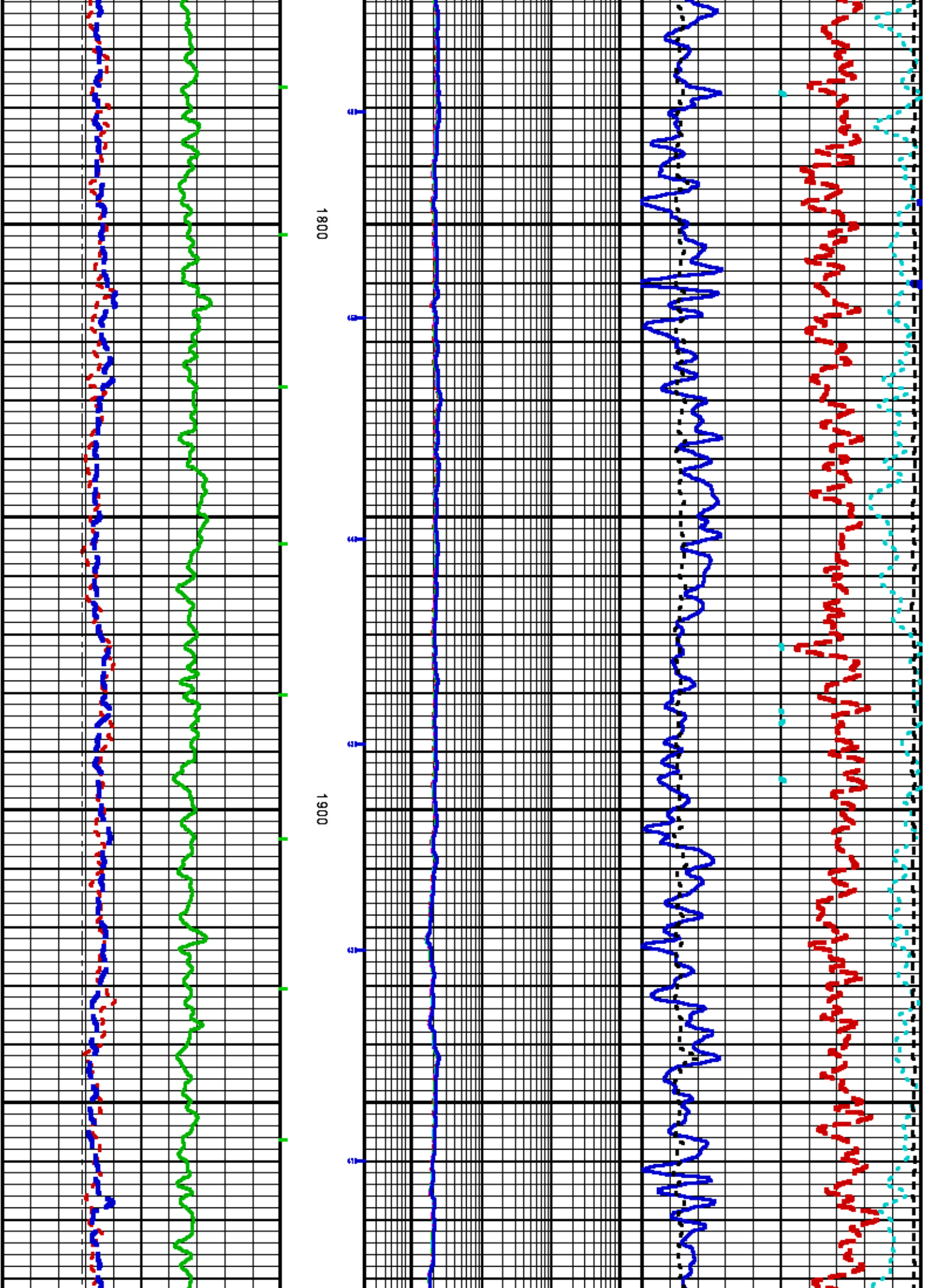


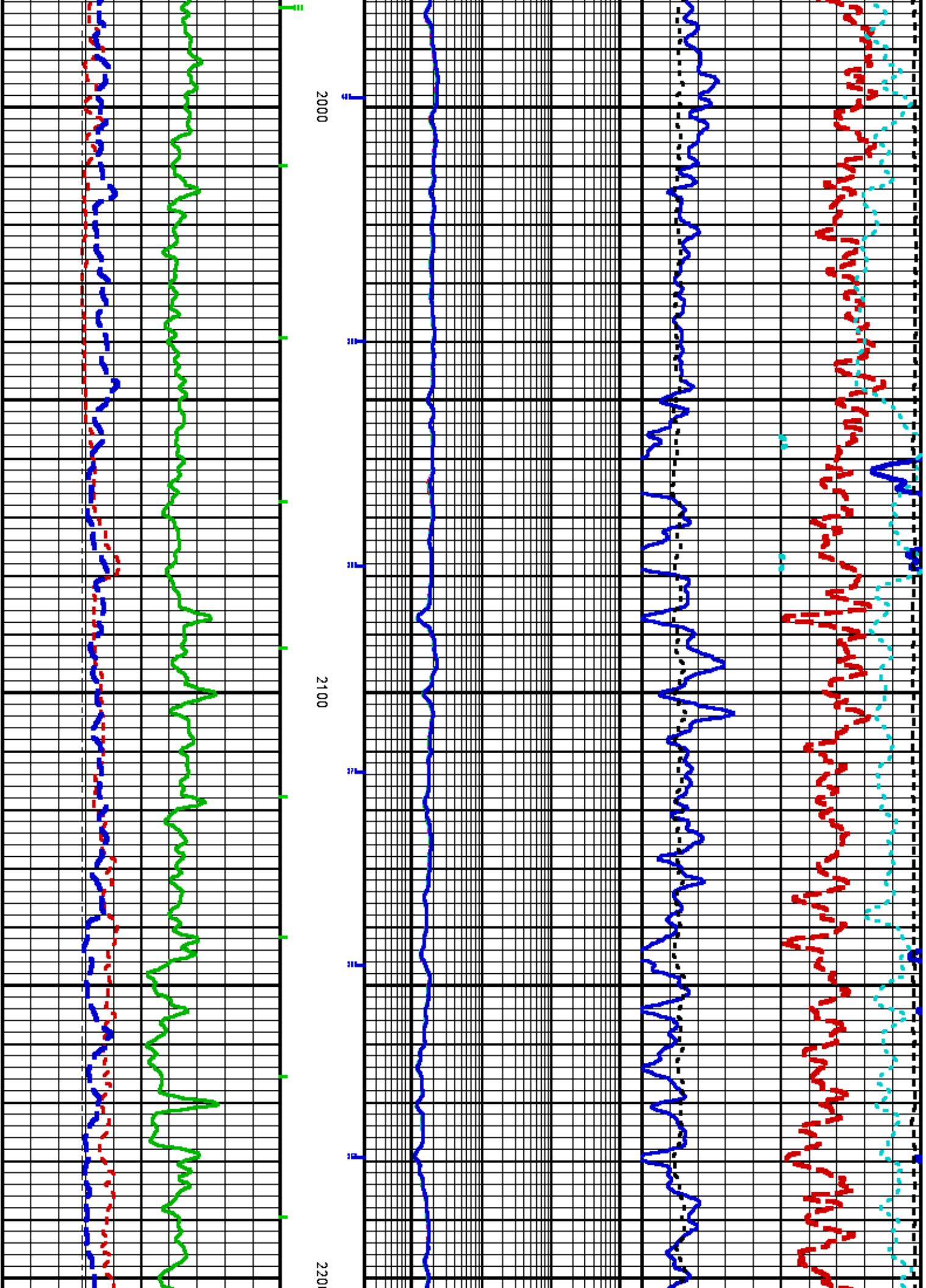


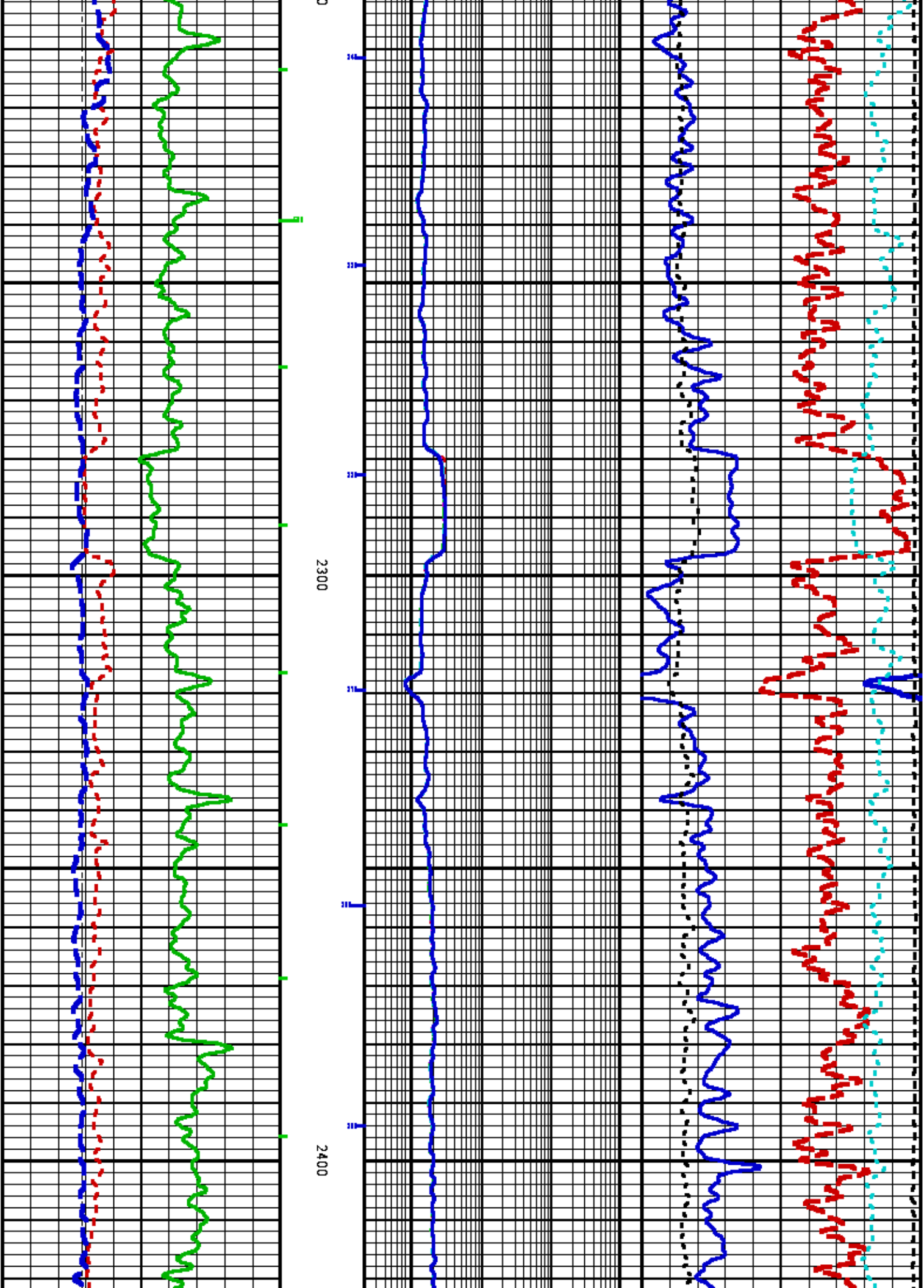


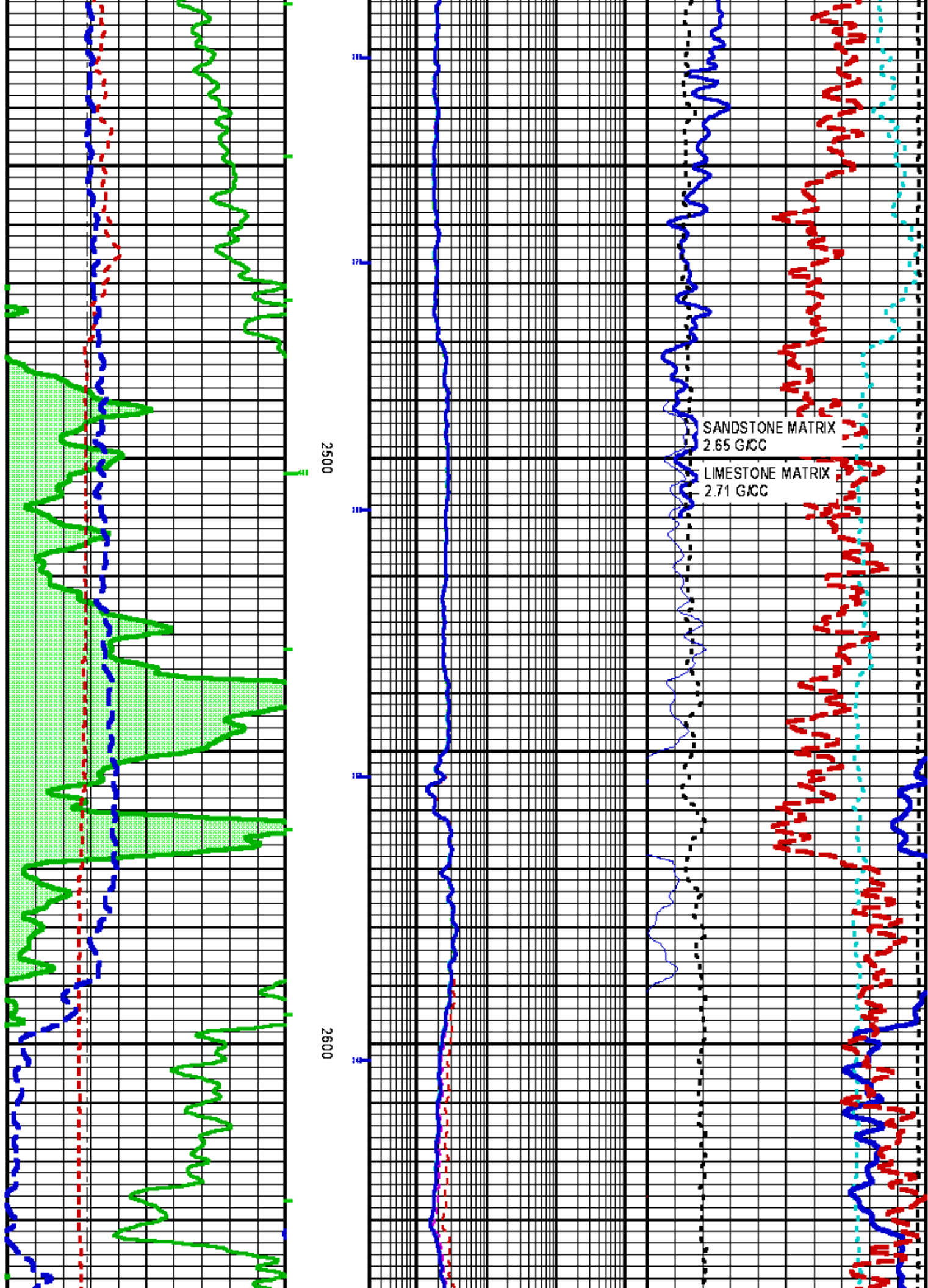


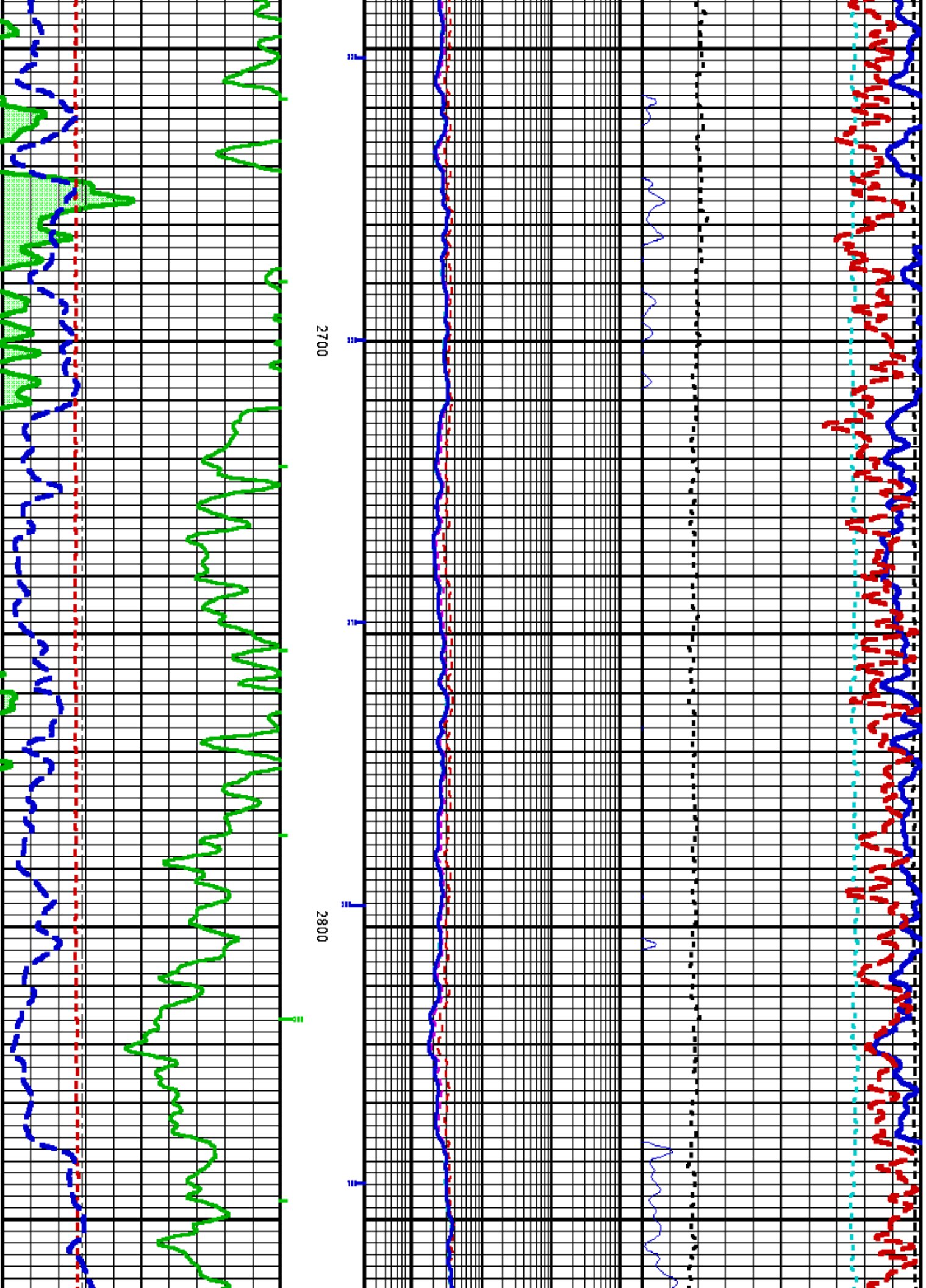


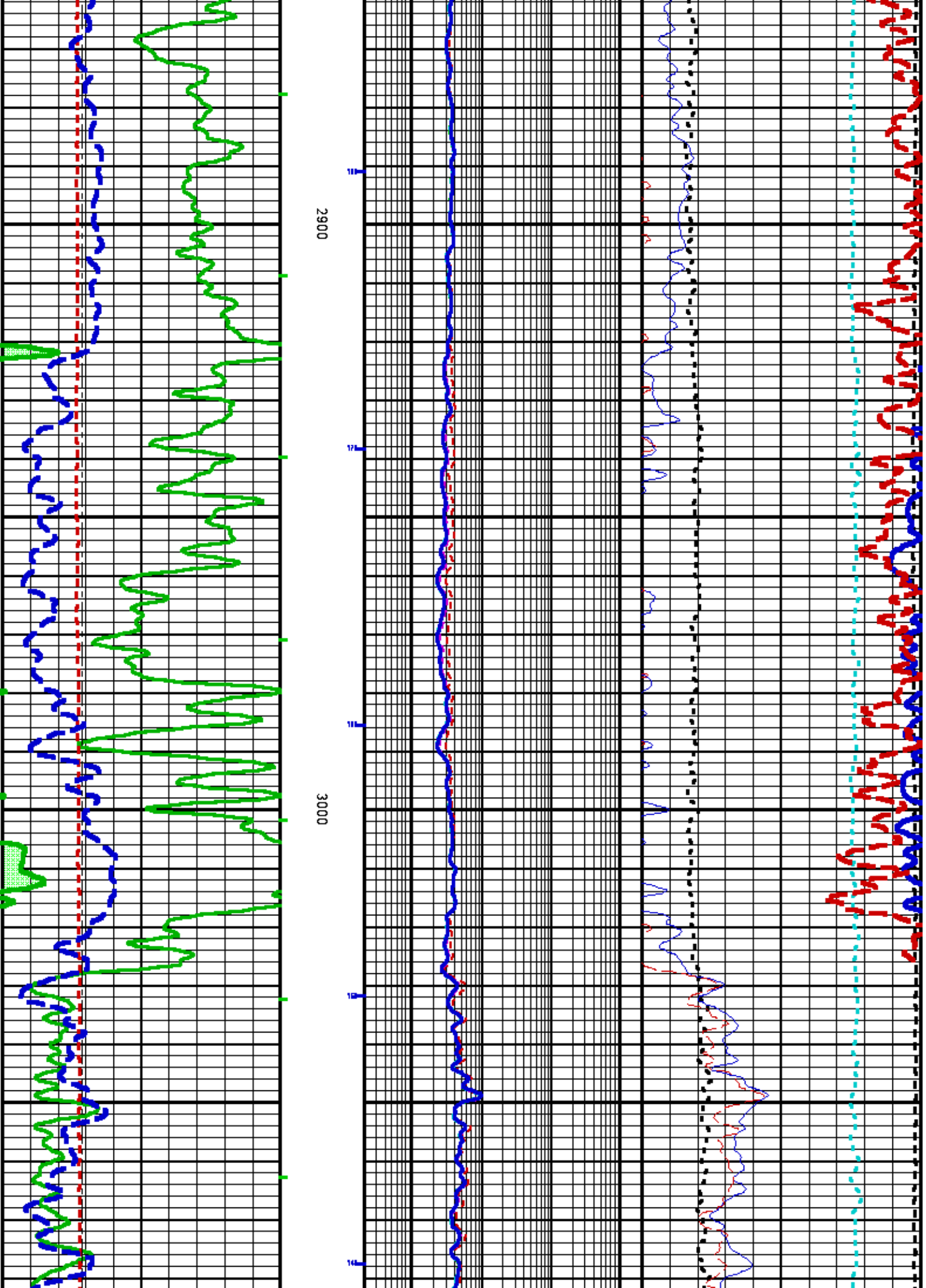


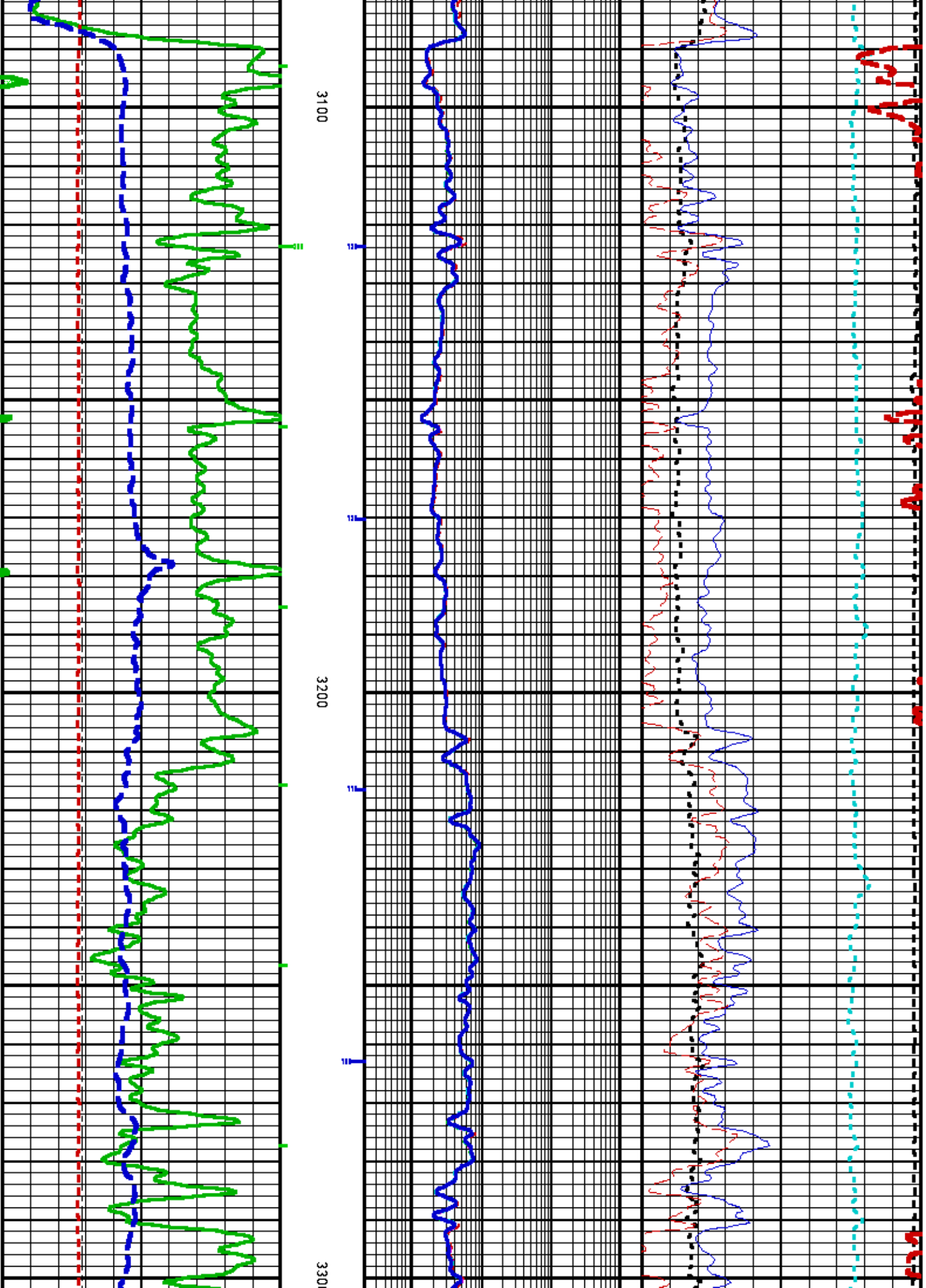


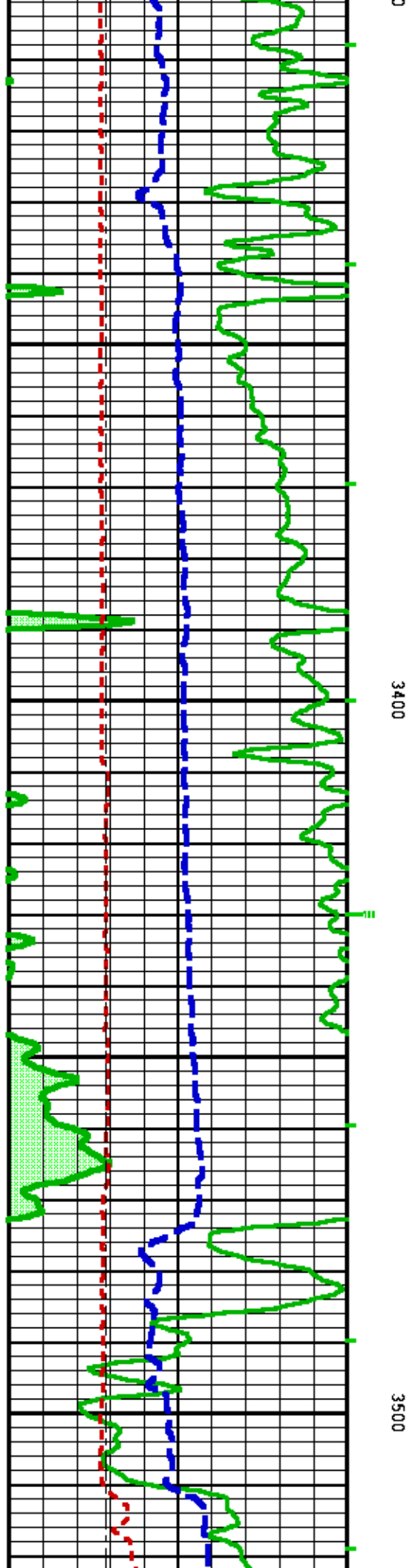
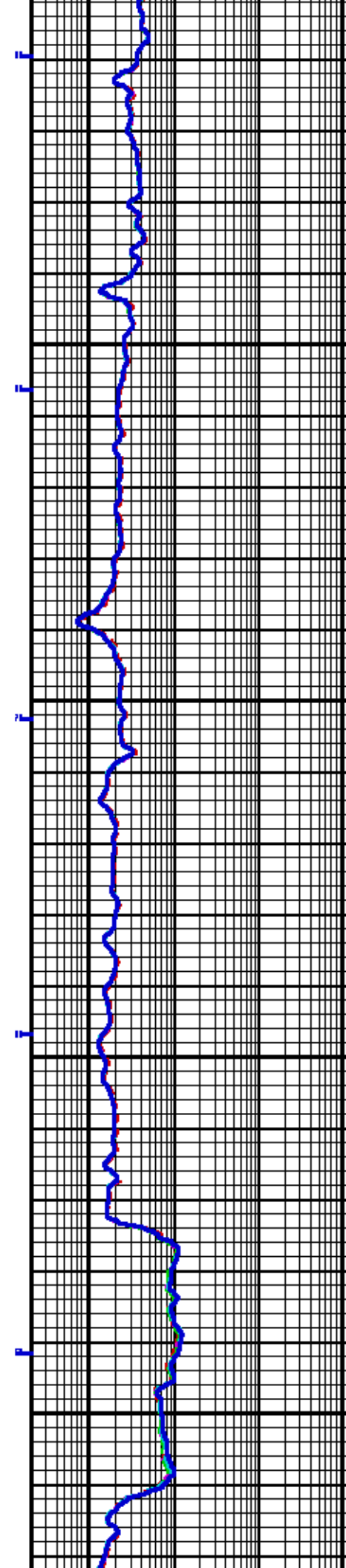
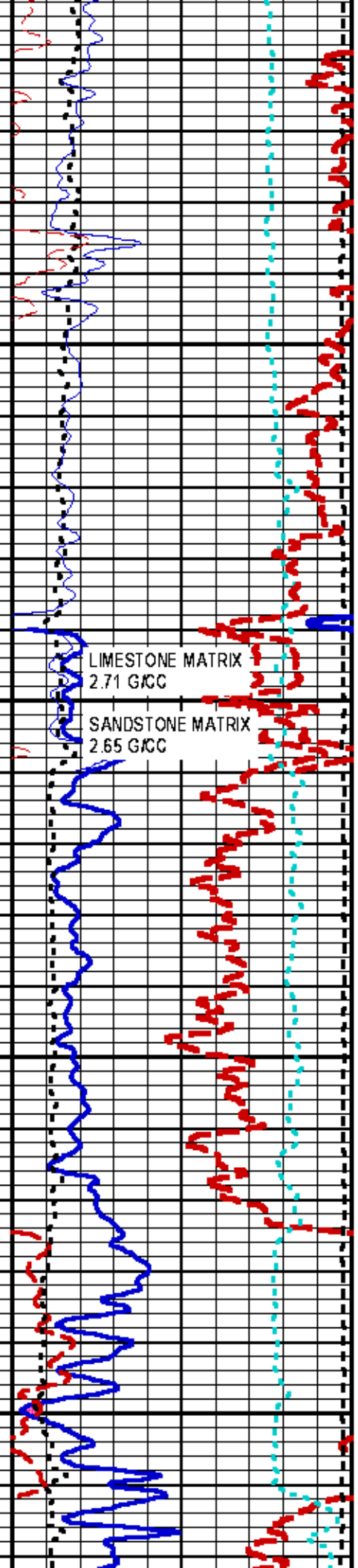


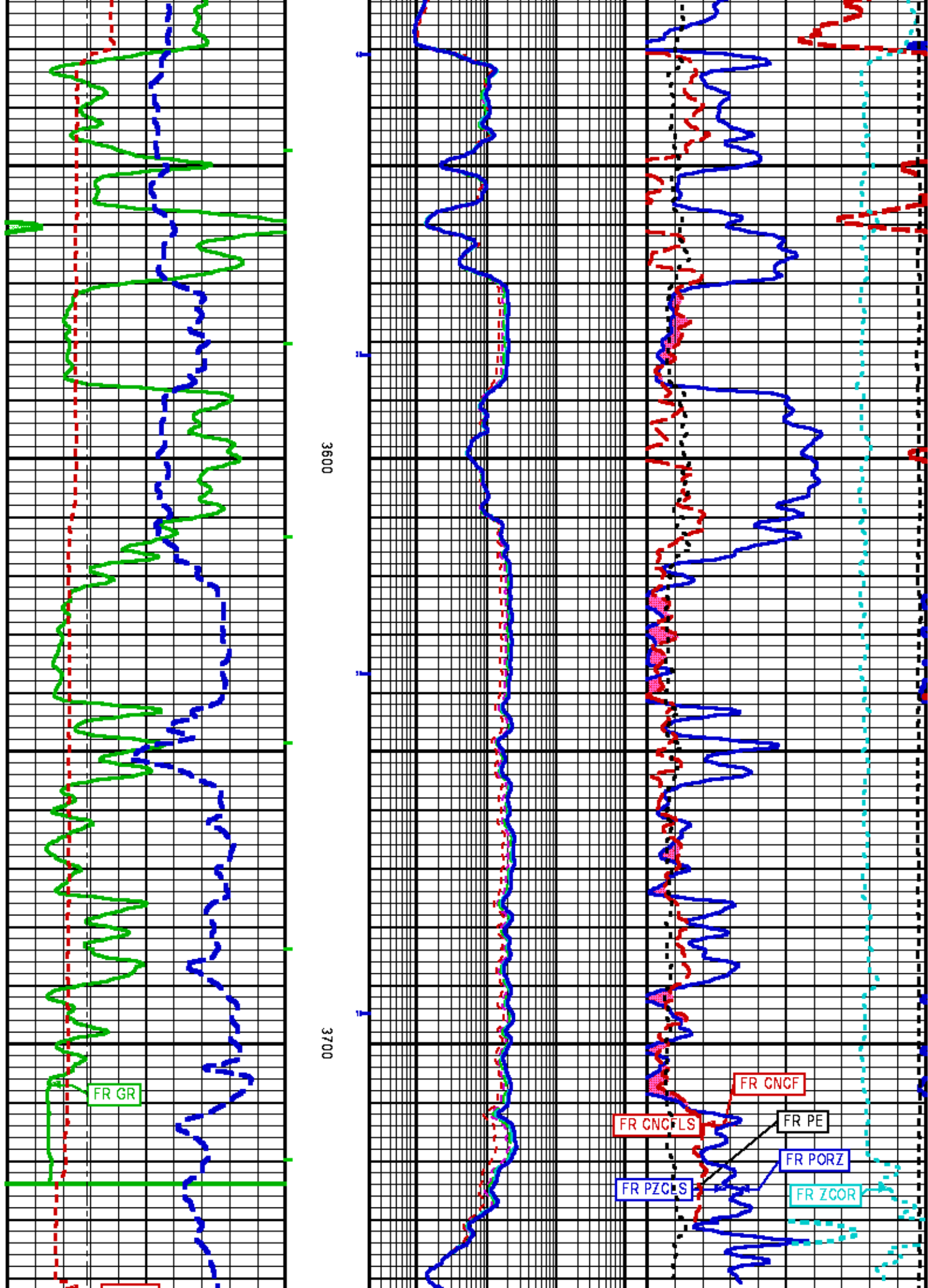


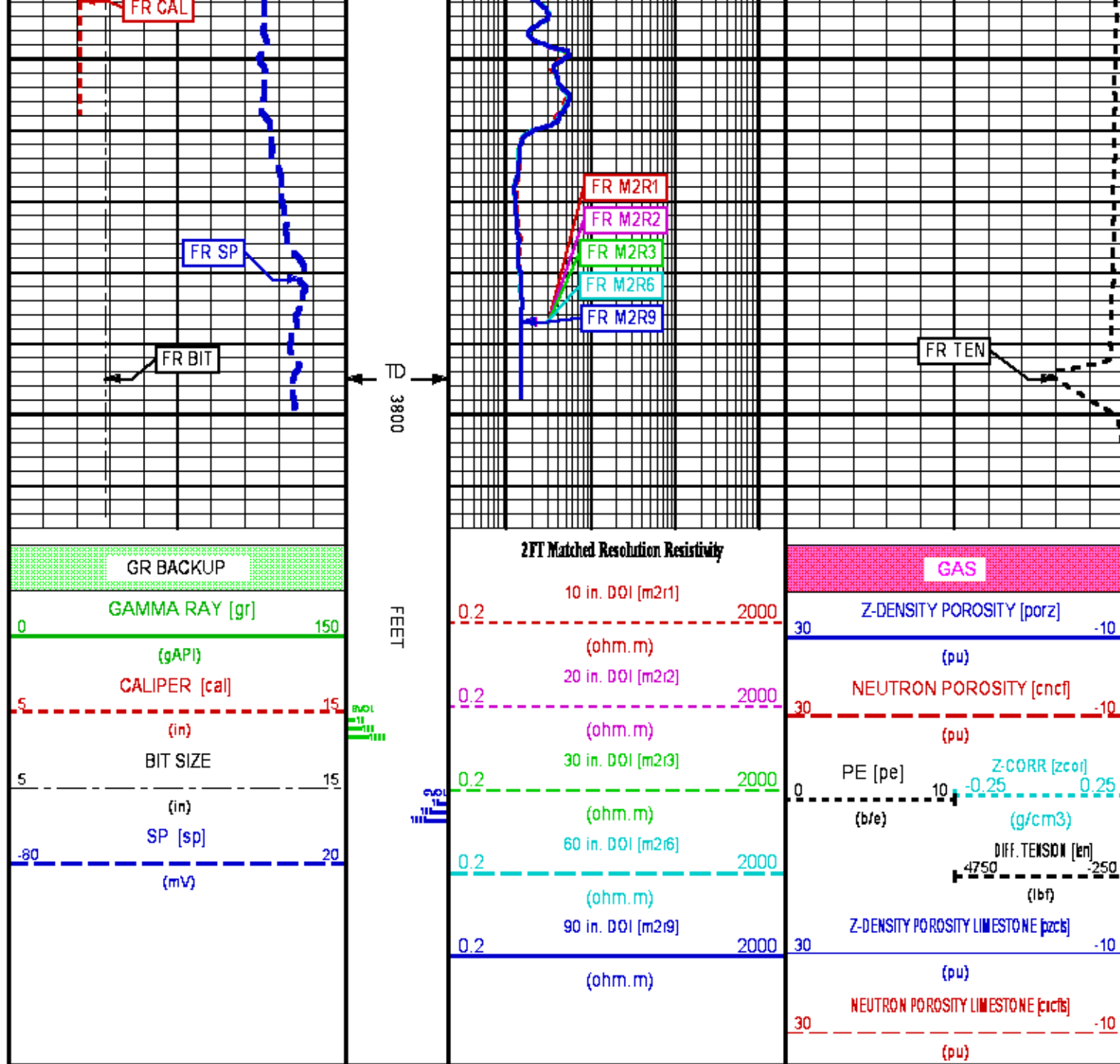












REPEAT LOG

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 31 Patches: 5

Plotted: Tue Mar 4 16:08:11 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/083012/n777101.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 3434.814 ft BOTTOM DEPTH: 3805.750 ft

SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
TTRM	FILTER (j)	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.i)	medium (1)		"	"
TENSION	FILTER (j)	medium (1)		"	"
GR	FILTER (j)	medium (1)		"	"
CN	FILTER (j)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1s*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2s*)	medium		"	"
	FILTER (soft*)	medium		"	"
SP-SPDH	FILTER (j)	medium (1)		"	"

BOREHOLE & CEMENT					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	4.500	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	"	"
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	X-Axis		"	"
BIT SIZE	BIT SIZE	7.875	in	"	"
MUD SAMPLE RESISTIVITY	MUD SAMPLE TEMP	72.0	degF	"	"
	MUD SAMPLE RES	0.490	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. (cnbh*)	USE CALIPER		"	"
	CALIPER/FIXED DIA. (mbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	7.875	in	"	"
	FIXED DIAMETER (mbh*)	7.875	in	"	"
BH MUD RESISTIVITY SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		"	"

CN PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2446 CN MATRIX	2446 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	3200	ppm	"	"
CN TOOL STANDOFF	ENABLE STANDOFF CORR	OFF		"	"
	STANDOFF AMOUNT	0.00	in	"	"
CN CASING & CEMENT CORRECTION	CORRECTION	OFF		"	"
	BIT SIZE BEHIND CSNG	7.875	in	"	"

ZDL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
DENSITY POROSITY	RHOmatrix	2.680	g/cm3	TOP	BOTTOM
	RHOfluid	1.000	g/cm3	"	"
ZDL	DENX TRACKING	ON		"	"

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		"	"

CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:BIT	Mar 4 14:57:30 2014	BIT SIZE
F1:BVOL	Mar 4 14:57:30 2014	BOREHOLE VOLUME
F1:CAL	Mar 4 14:57:30 2014	CALIPER
F1:CNOF	Mar 4 14:57:30 2014	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	Mar 4 14:57:30 2014	CEMENT VOLUME
F1:GR	Mar 4 14:57:30 2014	GAMMA RAY
F1:M2R1	Mar 4 14:57:30 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 10-INCH DOI

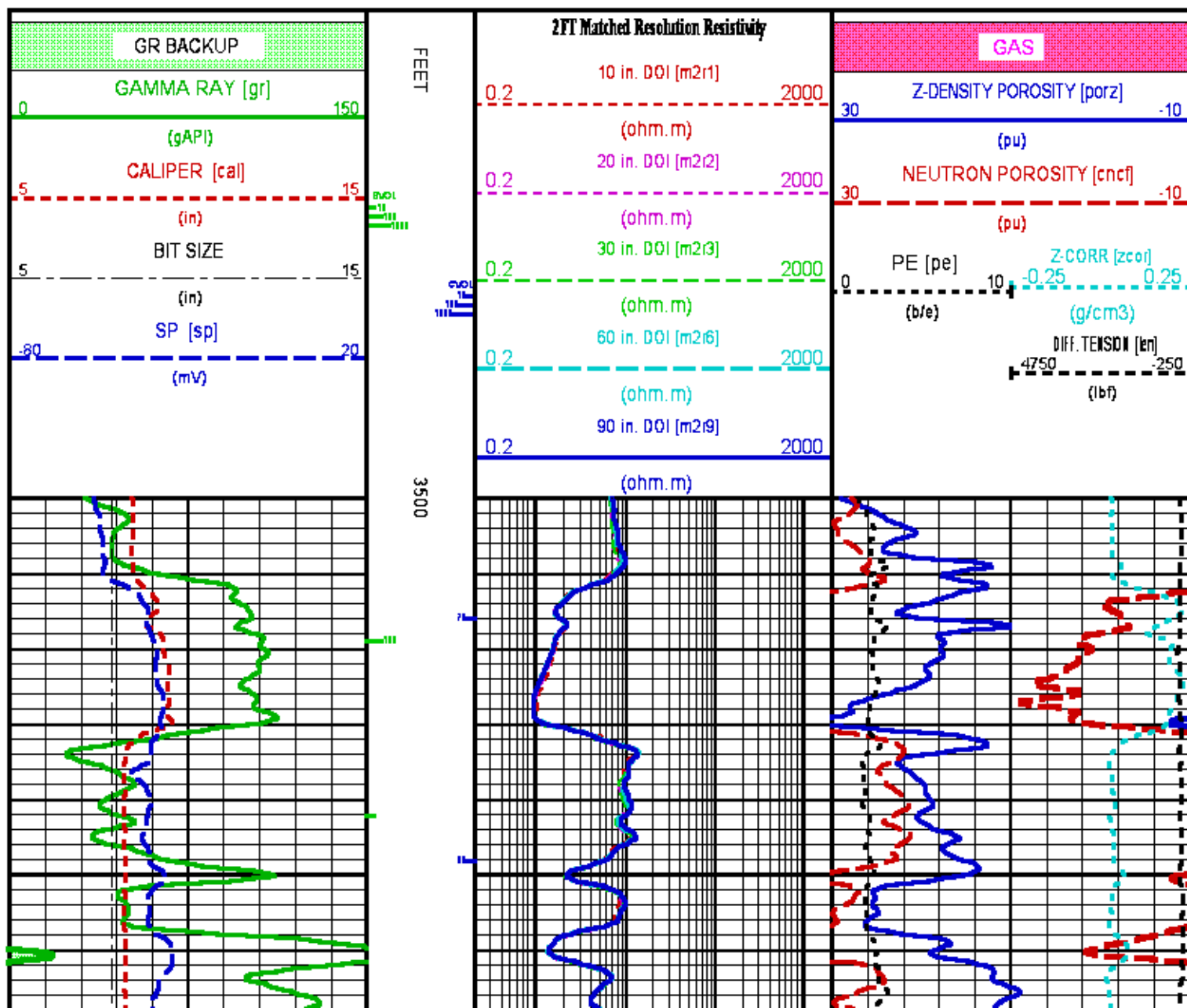
F1:M2R2	Mar 4 14:57:30 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 20-INCH DOI
F1:M2R3	Mar 4 14:57:30 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 30-INCH DOI
F1:M2R6	Mar 4 14:57:30 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 60-INCH DOI
F1:M2R9	Mar 4 14:57:30 2014	VERTICAL 2-FOOT RESOLUTION MATCHED RESISTIVITY, 90-INCH DOI
F1:PE	Mar 4 14:57:30 2014	PHOTO ELECTRIC CROSS-SECTION
F1:PORZ	Mar 4 14:57:30 2014	POROSITY FOR SELECTABLE MATRIX
F1:SP	Mar 4 14:57:30 2014	SPONTANEOUS POTENTIAL
F1:TEN	Mar 4 14:57:30 2014	DIFFERENTIAL TENSION
F1:ZCOR	Mar 4 14:57:30 2014	DENSITY CORRECTION

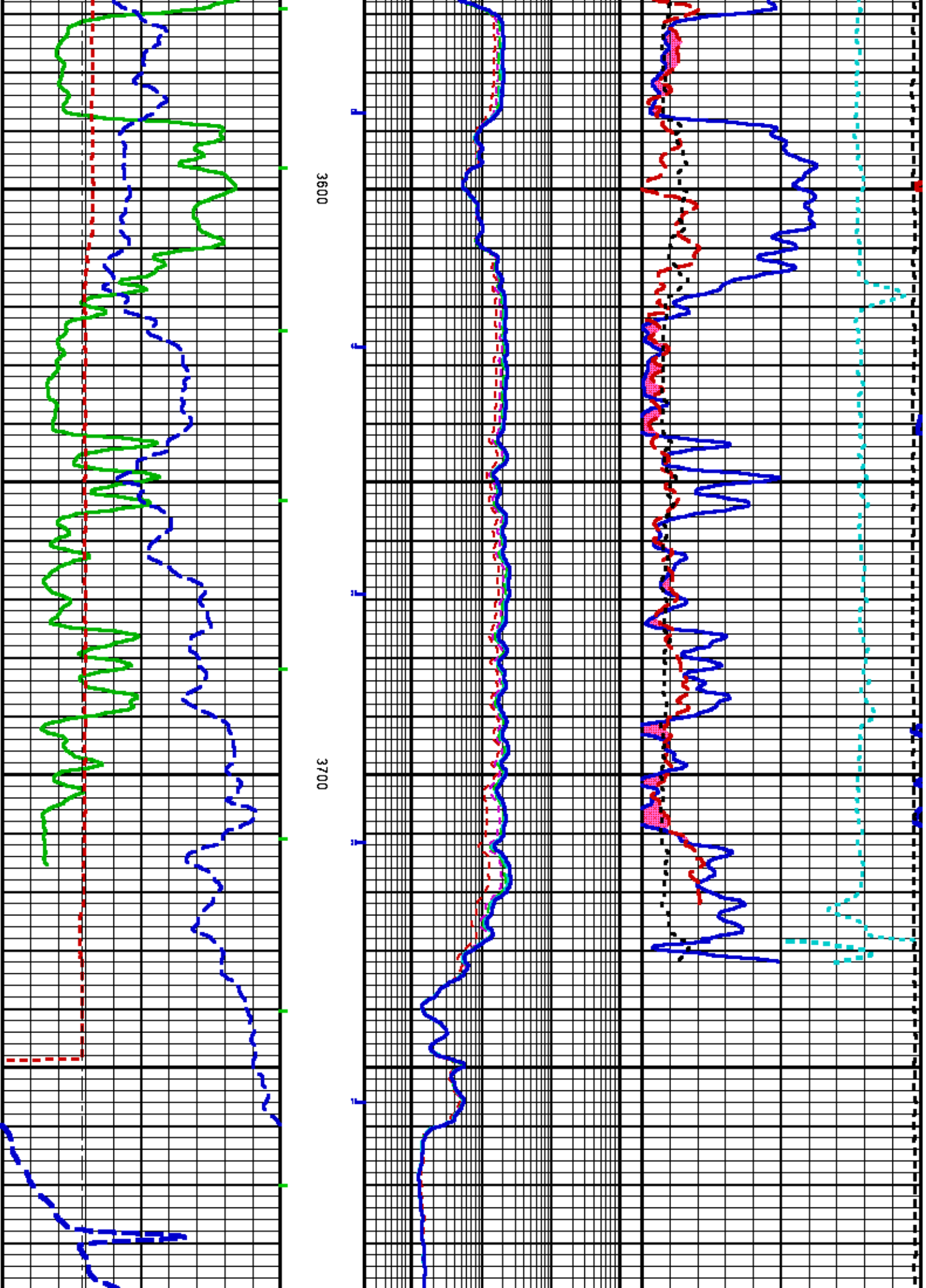
CURVE MEASURE POINT OFFSET

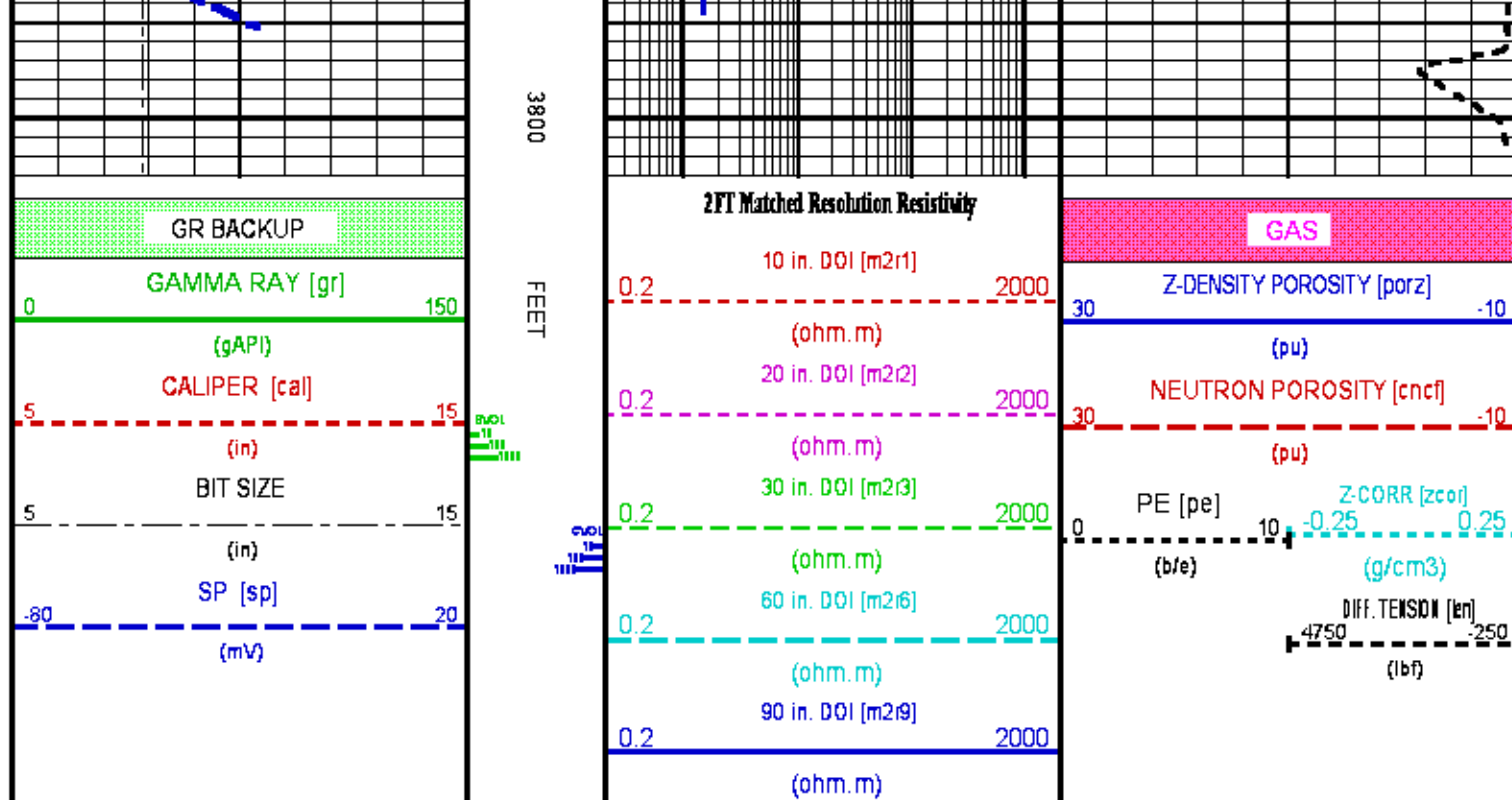
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	M2R1	8.00	M2R9	8.00	TEN	0.00
CAL	53.25	M2R2	8.00	PE	70.25	ZCOR	70.25
CNCF	81.25	M2R3	8.00	PORZ	70.25		
GR	88.12	M2R6	8.00	SP	14.00		

Presentation : HL6670:/dat1a/083012/COMPOSITE_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 3500 - 3805.75 Feet

Data File 1 : F1: HL6670:/dat1a/083012/REPEAT.xtf
Created On : Mar 4 14:57:30 2014
Company : BAYSWATER EXPLORATION AND PRODUCTION
Well : CRAIG #44-18
Field : WILDCAT
File Interval : 93 - 3805.75 Feet
OCT : n7771







CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/083012/CALS.tp1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10330272

DATE/TIME PERFORMED: Sat Mar 1 16:45:22 2014

UNIT #: 3885TC 6685

CALB JIG #: 4702NK DA-501

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	GR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	343.84	1293.87	950.0	0.158	54.29	204.29	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10330272

DATE/TIME PERFORMED: Sat Mar 1 16:52:14 2014

UNIT #: 3885TC 6685

VERI JIG #: 4702NK DA-501

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	337.84	1257.27	0.158	53.34	198.51	145.17

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 10330272

DATE/TIME PERFORMED: Tue Mar 4 14:20:33 2014

DAYS SINCE CAL: 2

UNIT #: 3880TA HL6670

VERI JIG #: 4702NK DA-501

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	355.00	1258.38	0.158	56.05	198.69	142.64

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2446XA 10068420

DATE/TIME PERFORMED: Sat Mar 1 15:21:49 2014

UNIT #: 3885TC 6685

CALIBRATOR #: 2437XB 12170130

SOURCE #: 4717XS DN-918

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	NOMINAL SSN/LSN	CORRECTION FACTOR	POROSITY (pu)
LSN	591.08	599.59				
SSN	1555.74	1605.70				
RATIO			2.67801	2.75100	1.02725 0.97000 1.07000	
CN						21.358

CN PRIMARY VERIFICATION SUMMARY

TOOL #: 2446XA 10068420

DATE/TIME PERFORMED: Sat Mar 1 15:30:38 2014

UNIT #: 3885TC 6685

ICE BLOCK #: 4717ND DD-035

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1871.40	1959.44				
SSN	4264.36	4662.05				
RATIO			2.37928	1.02725	2.44511	
CN						17.121

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2446XA 10068420

DATE/TIME PERFORMED: Tue Mar 4 14:25:37 2014

DAYS SINCE CAL: 2

UNIT #: 3880TA HL6670

ICE BLOCK #: 4717ND DD-035

	MEASURED CPS	DEADTM CORR CPS	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	1844.67	1930.17				
SSN	4270.20	4669.04				
RATIO			2.41898	1.02725	2.48629	
CN						17.673 15.121 19.121

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED: Sat Mar 1 14:35:03 2014

UNIT #: 3885TC 6685

	SMALL RING	LARGE RING	MULT	ADD	SMALL RING (in)	LARGE RING (in)
CALIPER	1270.4	2064.0	0.00772	-1.92994	7.875	14.000

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED: Tue Mar 4 14:35:19 2014

DAYS SINCE CAL: 3

UNIT #: 3880TA HL6670

I.D.	MULT	ADD	I.D. (in)
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CALIPER

1298.4

0.00772

-1.92994

8.091

ZDL PRIMARY CALIBRATION SUMMARY

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED:

Sat Mar 1 15:13:20 2014

UNIT: 3885TC 6685

CALB BLKS: 2225XA 094299

CS SRC: 4703NT 27771B

	SS CS PK (Channel)	LS CS PK (Channel)	SS_BKGD (cps)	LS BKGD (cps)		
	223.4	223.7	1382.7	1473.4		
	230.0 230.0	230.0 230.0				
	SS (cps)	LS (cps)	SHR	DEN (g/cm3)	CORR (g/cm3)	PE (b/e)
MG (LO PE)	21982.7	11166.7	0.627	1.699	0.003	2.150
			0.665 0.665			
AL	12692.1	1100.8		2.695	-0.009	
AL + SHIM	17466.6	1915.4		2.613	0.157	
MG + SHIM (HI PE)	10745.4	5329.7	0.256			8.700
			0.210 0.270			
RATIO AL + SHIM/AL	1.38	1.74				
	1.32 1.42	1.64 1.84				
RATIO MG/AL	1.73	10.14				
	1.66 1.78	9.40 10.20				

ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10415656

DATE/TIME PERFORMED:

Tue Mar 4 14:20:38 2014

DAYS SINCE CAL:

2

UNIT #: 3880TA HL6670

	TOTAL (cps)		CSPK (Channel)		HV (V)	
LS	1461.2		225.1		1254.1	
	1373.4	1573.4	230.0	230.0	1100.0	1590.0
SS	1399.0		223.9		1298.0	
	1282.7	1482.7	230.0	230.0	1100.0	1590.0
	LV (V)		PAD CURRENT (mA)			
	5.0		65.0			
	4.8	5.2	50.0	120.0		

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 364355

DATE/TIME PERFORMED:

Tue Oct 8 10:37:01 2013

UNIT #: 3385TC 6726

GRCOND ID & DATE: 79 082996

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.007	-0.000	0.002	-0.001	-0.003	0.000	-0.001	-0.002
	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 0 Q	0.009	0.010	0.002	0.001	0.002	0.001	-0.001	0.001
	-1.000 1.000	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 1 R	-0.002	0.004	0.009	0.011	0.011	0.012	0.012	0.008
	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 1 Q	-0.002	-0.002	-0.006	-0.003	-0.000	0.003	0.005	0.007
	-1.000 1.000	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 2 R	0.010	0.004	-0.002	-0.001	0.001	0.002	0.006	0.007
	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 2 Q	-0.006	-0.003	-0.003	-0.001	-0.005	-0.006	-0.004	-0.003
	-1.000 1.000	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 3 R	0.008	0.003	0.005	0.008	0.005	0.004	0.005	0.005
	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 3 Q	-0.012	-0.013	-0.007	-0.003	0.000	0.001	0.002	0.002
	-0.500 0.500	-0.200 0.200	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100	-0.100 0.100
Coil 4 R	-0.015	-0.005	0.007	-0.001	0.006	0.006	0.010	0.009

	-0.200	0.200	-0.200	0.200	-0.200	0.200	-0.200	0.200
Coil 4 Q	-0.001	0.006	-0.004	-0.006	-0.003	-0.004	-0.003	0.005
	-1.000	1.000	-0.400	0.400	-0.200	0.200	-0.200	0.200
Coil 5 R	-0.003	0.009	0.006	0.007	0.007	0.007	0.005	-0.003
	-0.400	0.400	-0.400	0.400	-0.400	0.400	-0.400	0.400
Coil 5 Q	-0.000	-0.003	-0.004	-0.000	0.006	0.004	0.004	0.002
	-2.000	2.000	-0.800	0.800	-0.400	0.400	-0.400	0.400
Coil 6 R	-0.020	0.026	0.009	0.007	-0.012	0.011	0.021	0.010
	-1.000	1.000	-1.000	1.000	-1.000	1.000	-1.000	1.000
Coil 6 Q	-0.018	-0.002	-0.008	0.004	-0.014	-0.022	0.009	-0.003
	-5.000	5.000	-2.000	2.000	-1.000	1.000	-1.000	1.000

ELEC. GAINS

	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil D M	126.18	124.61	121.76	117.63	112.66	106.53	99.61	91.71
	100.00	150.00	100.00	150.00	96.00	140.00	87.00	130.00
Coil D P	7.760	24.521	40.893	57.076	73.238	89.302	105.117	121.059
	6.000	9.000	19.000	29.000	32.000	47.000	57.000	65.000
Coil 1 M	222.44	219.60	214.40	206.84	197.80	186.63	174.05	159.50
	180.00	270.00	180.00	270.00	170.00	260.00	160.00	250.00
Coil 1 P	7.925	25.003	41.684	58.190	74.851	91.008	107.202	123.317
	6.000	9.000	19.000	29.000	32.000	48.000	57.000	65.000
Coil 2 M	446.27	440.32	429.27	413.85	395.25	372.35	347.09	318.37
	360.00	540.00	360.00	530.00	340.00	510.00	330.00	500.00
Coil 2 P	8.047	25.377	42.279	58.990	75.552	92.030	108.341	124.497
	6.000	9.000	19.000	29.000	32.000	48.000	57.000	65.000
Coil 3 M	722.36	712.81	695.74	671.40	641.81	605.41	564.80	518.51
	590.00	880.00	590.00	870.00	570.00	850.00	550.00	830.00
Coil 3 P	8.059	25.418	42.365	59.133	75.839	92.410	108.823	125.167
	6.000	10.000	20.000	29.000	33.000	49.000	58.000	66.000
Coil 4 M	1144.3	1128.7	1100.6	1060.6	1012.5	953.5	888.3	813.8
	900.0	1400.0	900.0	1300.0	850.0	1200.0	800.0	1100.0
Coil 4 P	8.201	25.836	43.054	60.076	76.995	93.793	110.405	126.916
	6.000	10.000	20.000	30.000	33.000	50.000	59.000	67.000
Coil 5 M	2314.4	2286.4	2234.9	2160.3	2069.9	1956.3	1827.8	1678.7
	1900.0	2800.0	1900.0	2700.0	1800.0	2600.0	1700.0	2500.0
Coil 5 P	8.379	26.281	43.817	61.224	78.618	95.939	113.156	130.327
	6.000	10.000	20.000	31.000	34.000	51.000	60.000	68.000
Coil 6 M	6086.0	5995.5	5830.7	5597.3	5318.6	4983.6	4620.2	4213.1
	4700.0	7100.0	4700.0	7000.0	4600.0	6900.0	4500.0	6800.0
Coil 6 P	8.575	27.113	45.175	62.976	80.626	98.083	115.276	132.397
	7.000	10.000	22.000	32.000	35.000	52.000	61.000	69.000

AM Factor

	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil D R	542	-63	-149	-174	-183	-185	-186	-185
	-200	600	-500	200	-600	50	-500	20
Coil D Q	2573	953	554	360	240	157	93	40
	-3000	6000	-1000	2000	-1000	1200	-400	500
Coil 1 R	537	76	16	-5	-14	-20	-22	-24
	450	650	20	130	-30	60	-50	40
Coil 1 Q	1420	554	343	246	189	151	124	103
	0	2500	0	900	0	450	0	350
Coil 2 R	188.9	29.6	9.8	2.7	-1.1	-3.2	-4.3	-5.4
	140.0	230.0	0.0	51.0	-10.0	25.0	-15.0	15.0
Coil 2 Q	354.3	148.4	96.7	73.8	61.3	53.3	48.2	44.6
	-200.0	1000.0	0.0	350.0	0.0	220.0	0.0	100.0
Coil 3 R	53.7	8.7	2.8	0.7	-0.3	-0.9	-1.3	-2.0
	37.0	62.0	0.0	12.0	-3.0	6.0	-6.0	1.0
Coil 3 Q	67.9	33.1	24.8	22.0	21.0	21.2	21.8	22.6
	-140.0	260.0	-40.0	100.0	-20.0	70.0	-10.0	50.0
Coil 4 R	9.77	-0.04	-0.85	-1.18	-1.22	-1.32	-1.38	-1.42
	2.00	18.00	-3.00	6.00	-3.90	2.00	-4.70	2.00
Coil 4 Q	22.63	11.95	11.31	12.22	14.19	16.15	18.24	20.55
	-100.00	100.00	-30.00	50.00	-10.00	40.00	-10.00	50.00
Coil 5 R	0.03	-1.10	-1.08	-0.93	-0.96	-0.89	-0.99	-1.10
	-2.00	5.80	-3.20	2.40	-4.50	3.20	-5.20	3.40
Coil 5 Q	-9.72	-0.22	3.67	6.83	9.65	12.32	15.02	17.64
	-60.00	70.00	-20.00	30.00	-20.00	35.00	-20.00	50.00
Coil 6 R	-4.72	-2.00	-1.28	-1.16	-0.92	-0.79	-0.82	-0.81
	-4.80	1.00	-5.70	3.80	-6.50	4.90	-7.30	6.10
Coil 6 Q	-1.79	1.27	3.93	6.38	8.59	10.91	13.24	15.48
	-30.00	30.00	-20.00	25.00	-20.00	35.00	-20.00	50.00

MM Factor

	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil D M	0.992	0.989	0.984	0.984	0.982	0.981	0.981	0.982
	0.500	1.100	0.500	1.100	0.500	1.100	0.500	1.100
Coil D P	0.068	0.232	0.281	0.239	0.245	0.132	0.022	0.054
	-2.000	2.000	-2.000	2.000	-2.000	2.000	-2.000	2.000
Coil 1 M	0.999	0.997	0.993	0.991	0.979	0.979	0.979	0.977

Coil 1 M	0.909 0.900 1.100	0.907 0.900 1.100	0.903 0.900 1.100	0.901 0.900 1.100	0.899 0.900 1.100	0.898 0.900 1.100	0.897 0.900 1.100
Coil 1 P	0.112 -2.000 2.000	0.262 -2.000 2.000	0.326 -2.000 2.000	0.325 -2.000 2.000	0.307 -2.000 2.000	0.253 -2.000 2.000	0.223 -2.000 2.000
Coil 2 M	0.999 0.900 1.100	0.996 0.900 1.100	0.994 0.900 1.100	0.993 0.900 1.100	0.992 0.900 1.100	0.990 0.900 1.100	0.989 0.900 1.100
Coil 2 P	0.044 -2.000 2.000	0.095 -2.000 2.000	0.142 -2.000 2.000	0.177 -2.000 2.000	0.157 -2.000 2.000	0.164 -2.000 2.000	0.185 -2.000 2.000
Coil 3 M	0.998 0.900 1.100	0.997 0.900 1.100	0.996 0.900 1.100	0.995 0.900 1.100	0.994 0.900 1.100	0.992 0.900 1.100	0.991 0.900 1.100
Coil 3 P	0.044 -2.000 2.000	0.069 -2.000 2.000	0.106 -2.000 2.000	0.127 -2.000 2.000	0.140 -2.000 2.000	0.085 -2.000 2.000	0.024 -2.000 2.000
Coil 4 M	1.020 0.900 1.100	1.018 0.900 1.100	1.017 0.900 1.100	1.016 0.900 1.100	1.014 0.900 1.100	1.012 0.900 1.100	1.010 0.900 1.100
Coil 4 P	0.038 -2.000 2.000	0.103 -2.000 2.000	0.125 -2.000 2.000	0.178 -2.000 2.000	0.187 -2.000 2.000	0.196 -2.000 2.000	0.175 -2.000 2.000
Coil 5 M	1.025 0.900 1.100	1.025 0.900 1.100	1.024 0.900 1.100	1.022 0.900 1.100	1.021 0.900 1.100	1.021 0.900 1.100	1.018 0.900 1.100
Coil 5 P	0.038 -2.000 2.000	0.021 -2.000 2.000	0.080 -2.000 2.000	0.116 -2.000 2.000	0.107 -2.000 2.000	0.064 -2.000 2.000	0.112 -2.000 2.000
Coil 6 M	1.019 0.900 1.100	1.021 0.900 1.100	1.020 0.900 1.100	1.018 0.900 1.100	1.017 0.900 1.100	1.021 0.900 1.100	1.019 0.900 1.100
Coil 6 P	-0.023 -2.000 2.000	0.079 -2.000 2.000	0.019 -2.000 2.000	0.104 -2.000 2.000	0.021 -2.000 2.000	-0.055 -2.000 2.000	-0.066 -2.000 2.000

PARMS

TCID 0

TCID 1

Cal Temp

T Factor

IDs

1.356

0.760

(degF)

53.6

1.04

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1515MA 364355

DATE/TIME PERFORMED: Tue Mar 4 14:49:02 2014

DAYS SINCE CAL: 147

UNIT #: 3880TA HL6670

ZERO DATA(mv)	10 KHz	30 KHz	50 KHz	70 KHz	90 KHz	110 KHz	130 KHz	150 KHz
Coil 0 R	-0.008 -0.200 0.200	-0.001 -0.100 0.100	0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.003 -0.100 0.100	-0.002 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100
Coil 0 Q	0.008 -1.000 1.000	0.010 -0.200 0.200	0.003 -0.100 0.100	0.001 -0.100 0.100	0.002 -0.100 0.100	0.001 -0.100 0.100	-0.001 -0.100 0.100	0.000 -0.100 0.100
Coil 1 R	-0.002 -0.200 0.200	0.000 -0.100 0.100	-0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.003 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100
Coil 1 Q	0.001 -1.000 1.000	0.005 -0.200 0.200	0.001 -0.100 0.100	0.000 -0.100 0.100	0.002 -0.100 0.100	0.001 -0.100 0.100	-0.000 -0.100 0.100	-0.001 -0.100 0.100
Coil 2 R	0.008 -0.200 0.200	0.003 -0.100 0.100	-0.003 -0.100 0.100	-0.001 -0.100 0.100	-0.001 -0.100 0.100	0.001 -0.100 0.100	0.003 -0.100 0.100	0.008 -0.100 0.100
Coil 2 Q	-0.006 -1.000 1.000	-0.004 -0.200 0.200	0.001 -0.100 0.100	0.001 -0.100 0.100	-0.003 -0.100 0.100	-0.005 -0.100 0.100	-0.005 -0.100 0.100	-0.004 -0.100 0.100
Coil 3 R	0.009 -0.100 0.100	0.007 -0.100 0.100	0.004 -0.100 0.100	0.004 -0.100 0.100	0.004 -0.100 0.100	0.000 -0.100 0.100	-0.000 -0.100 0.100	0.003 -0.100 0.100
Coil 3 Q	-0.013 -0.500 0.500	-0.013 -0.200 0.200	-0.004 -0.100 0.100	-0.003 -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 4 R	-0.013 -0.200 0.200	-0.005 -0.200 0.200	-0.007 -0.200 0.200	-0.005 -0.200 0.200	-0.006 -0.200 0.200	-0.008 -0.200 0.200	0.000 -0.200 0.200	-0.002 -0.200 0.200
Coil 4 Q	0.002 -1.000 1.000	0.010 -0.400 0.400	0.003 -0.200 0.200	-0.001 -0.200 0.200	-0.004 -0.200 0.200	0.000 -0.200 0.200	-0.003 -0.200 0.200	0.003 -0.200 0.200
Coil 5 R	-0.008 -0.400 0.400	0.008 -0.400 0.400	0.004 -0.400 0.400	0.008 -0.400 0.400	0.006 -0.400 0.400	-0.005 -0.400 0.400	-0.007 -0.400 0.400	-0.005 -0.400 0.400
Coil 5 Q	0.007 -2.000 2.000	-0.001 -0.800 0.800	0.004 -0.400 0.400	0.001 -0.400 0.400	-0.002 -0.400 0.400	0.002 -0.400 0.400	0.003 -0.400 0.400	-0.004 -0.400 0.400
Coil 6 R	-0.002 -1.000 1.000	0.011 -1.000 1.000	-0.011 -1.000 1.000	-0.023 -1.000 1.000	0.020 -1.000 1.000	-0.004 -1.000 1.000	0.001 -1.000 1.000	-0.011 -1.000 1.000
Coil 6 Q	-0.009 -5.000 5.000	-0.003 -2.000 2.000	-0.007 -1.000 1.000	-0.004 -1.000 1.000	0.003 -1.000 1.000	-0.013 -1.000 1.000	-0.008 -1.000 1.000	-0.002 -1.000 1.000

ELEC. GAINS

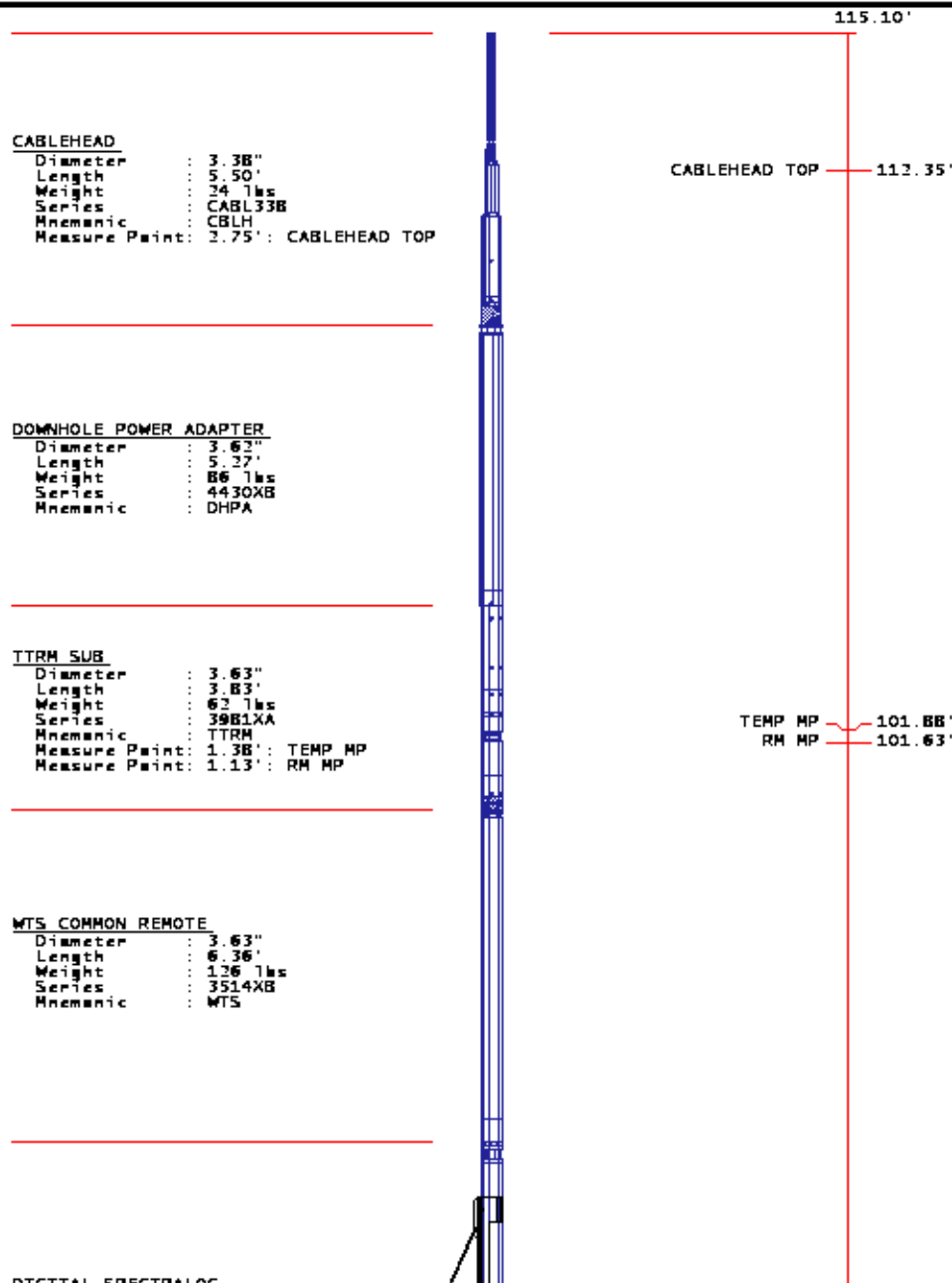
10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 M	125.80 100.00 150.00	124.18 100.00 150.00	121.30 98.00 150.00	117.16 96.00 140.00	112.23 92.00 140.00	106.15 87.00 130.00	99.22 82.00 120.00	91.29 76.00 110.00
Coil 0 P	7.782 6.000 9.000	24.560 19.000 29.000	40.924 32.000 47.000	57.136 44.000 66.000	73.266 57.000 86.000	89.341 70.000 100.000	105.223 82.000 120.000	121.146 96.000 140.000
Coil 1 M	222.19 180.00 270.00	219.30 180.00 270.00	214.10 170.00 250.00	206.52 170.00 250.00	197.64 160.00 250.00	186.39 160.00 250.00	173.80 150.00 200.00	159.34 140.00 200.00
Coil 1 P	7.941 6.000 9.000	25.022 19.000 29.000	41.698 32.000 48.000	58.221 45.000 67.000	74.682 57.000 86.000	91.054 70.000 110.000	107.254 83.000 120.000	123.438 96.000 140.000
Coil 2 M	446.04 360.00 540.00	439.92 360.00 540.00	428.94 350.00 530.00	413.40 340.00 510.00	394.87 300.00 500.00	371.91 310.00 470.00	347.05 300.00 440.00	318.06 270.00 410.00
Coil 2 P	0.068 0.000 0.100	0.208 0.000 0.100	0.205 0.000 0.100	0.010 0.000 0.100	0.500 0.000 0.100	0.061 0.000 0.100	0.002 0.000 0.100	0.023 0.000 0.100

Coil 2 P	8.066	25.396	42.305	59.010	75.969	92.064	108.402	124.623
	6,000	9,000	19,000	29,000	39,000	49,000	59,000	69,000
Coil 3 M	722.43	712.47	695.21	670.52	641.22	604.69	563.93	517.50
	590,000	680,000	590,000	670,000	570,000	650,000	550,000	630,000
Coil 3 P	8.094	25.481	42.433	59.212	75.914	92.520	108.946	125.311
	6,000	10,000	20,000	29,000	39,000	49,000	59,000	69,000
Coil 4 M	1142.9	1126.7	1098.5	1058.3	1010.4	951.4	886.0	812.1
	900,000	1400,000	900,000	1300,000	850,000	1300,000	800,000	1200,000
Coil 4 P	8.235	25.889	43.111	60.143	77.059	93.874	110.469	127.029
	6,000	10,000	20,000	30,000	40,000	50,000	60,000	70,000
Coil 5 M	2317.0	2288.5	2237.0	2162.2	2072.2	1958.1	1830.0	1680.4
	1900,000	2600,000	1800,000	2700,000	1800,000	2500,000	1600,000	2400,000
Coil 5 P	8.392	26.304	43.844	61.274	78.659	96.019	113.249	130.477
	6,000	10,000	20,000	31,000	48,000	72,000	92,000	110,000
Coil 6 M	6071.9	5906.2	5611.2	5212.5	4765.8	4278.9	3803.8	3344.2
	4700,000	7100,000	4700,000	7000,000	4600,000	6600,000	4300,000	6000,000
Coil 6 P	8.597	27.033	44.669	61.578	77.676	92.900	107.072	120.384
	7,000	10,000	22,000	32,000	51,000	76,000	94,000	110,000

INSTRUMENT CONFIGURATION

Source File: /data/083012/n7771-wtdg



S&S Gamma Ray Log
Diameter : 3.63"
Length : 7.31'
Weight : 130 lbs
Series : 1339XA
Mnemonic : DSL
Measure Point: 1.60': GR MP

GR MP — 88.42'

COMPENSATED NEUTRON

Diameter : 3.63"
Length : 7.59'
Weight : 150 lbs
Series : 3446XA
Mnemonic : CN
Measure Point: 3.63': LSN MP
Measure Point: 3.34': SSN MP

LSN MP — 81.86'
SSN MP — 81.46'

Z-DENSILOG

Diameter : 4.88"
Length : 11.22'
Weight : 360 lbs
Series : 3334XA
Mnemonic : ZDL
Measure Point: 3.19': CAL MP
Measure Point: 3.47': LSD MP
Measure Point: 3.07': SSD MP

CAL MP — 71.30'
LSD MP — 70.48'
SSD MP — 70.08'

KNUCKLE JOINT (DOUBLE)

Diameter : 3.38"
Length : 4.65'
Weight : 90 lbs
Series : 3939XA
Mnemonic : KNJT

WTS MICROLATEROLOG

Diameter : 4.00"
Length : 11.25'
Weight : 358 lbs
Series : 1243XA
Mnemonic : MLL
Measure Point: 1.55': MP

MP — 53.66'

ARRAY ACOUSTILOG ELECTRONICS, B CHANNEL

Diameter : 3.38"
Length : 7.83'
Weight : 102 lbs
Series : 1677EA
Mnemonic : XMAC



DIGITAL ACOUSTILOG

Diameter : 3.38"
Length : 12.76'
Weight : 145 lbs
Series : 16B0MA
Mnemonic : DAL
Measure Point: 7.95': T1 MP
Measure Point: 5.95': T3 MP
Measure Point: 2.95': R1 MP

T1 MP — 39.48'

T3 MP — 37.48'

R1 MP — 34.48'

4 ARM BOW SPRING CENTRALIZER

Diameter : 3.38"
Length : 4.12'
Weight : 72 lbs
Series : 4341XA
Mnemonic : CENT



HIGH DEFINITION INDUCTION TOOL

Diameter : 3.63"
Length : 27.13'
Weight : 415 lbs
Series : 1515XA
Mnemonic : HDIL
Measure Point: 13.91': SP MP

SP MP — 14.19'


RESERVE POINT: 7.44' : XMTR HP

XMTR HP 7.72'

BULL PLUG 3 3/8

0.00'

TOTAL LENGTH: 115.10'
TOTAL WEIGHT: 3046 lbs
MAX DIAMETER: 0'4.88"

	COMPANY	<u>BAYSWATER EXPLORATOIN & PRODUCTION</u>		FILE NO:	<u>83012</u>
	WELL	<u>CRAIG #44-18</u>		API NO:	<u>05-121-11041</u>
	FIELD	<u>WILDCAT</u>			
	COUNTY	<u>WASHINGTON</u>	STATE	<u>COLORADO</u>	
LOCATION:			ELEVATIONS:		
SHL: 1110' FSL & 962' FEL			KB 4502 FT		
			DF		
			GL 4490 FT		
SEC <u>18</u> TWP <u>4S</u> RGE <u>49W</u>			DATE		<u>04-Mar-2014</u>