



Baker Atlas



FILE NO:		COMPANY	
APN NO:		WELL	
Ver. 3.87		FIELD	
LOCATION:		PROVINCE	
LIC: 03-107		YULCAN MINERALS INC.	
WESTERN NEWFOUNDLAND		HURRICANE NO. 2 (WHIP #1)	
ST. GEORGES BAY		BAY ST. GEORGE	
LAT 48.267700 N		NEWFOUNDLAND	
LONG 58.67228 W		OTHER SERVICES	
PERMANENT DATUM		ELEVATIONS:	
LOG MEASURED FROM		KB 138.3 M	
DRILL MEAS. FROM		DF	
KELLY BUSHING		DL 135.0 M	
G.L. ELEVATION 135.0 M			
K.B. 3.3 M ABOVE P.D.			
DATE		13-DEC-2005	
RUN		TRIP	
SERVICE ORDER		204627	
DEPTH DRILLER		935.2 M	
DEPTH LOGGER		931.9 M	
BOTTOM LOGGED INTERVAL		928.0 M	
TOP LOGGED INTERVAL		322.2 M	
CASING DRILLER		177.8 MM	
CASING LOGGER		322.2 M	
BIT SIZE		189.0 MM	
TYPE OF FLUID IN HOLE		FRESH WATER	
DENSITY		N/A	
PH		N/A	
SOURCE OF SAMPLE		FLOURLINE	
RM AT MEAS. TEMP.		5.656 CHMM	
RM AT MEAS. TEMP.		N/A	
RM AT MEAS. TEMP.		N/A	
SOURCE OF RMF		MEASURED	
RM AT BHT		7.31 CHMM	
TIME SINCE CIRCULATION		7.25 HOURS	
MAX. RECORDED TEMP.		9.67 DEGC	
EQUIP. NO.		HSL 8616	
RECORDED BY		Y. OBIRI	
WITNESSED BY		K. SMITH	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE 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.

BOREHOLE RECORD

BIT SIZE	FROM	TO
158.0 MM	323.2 M	935.2 M

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
244.5 MM	35.6 KG/M	K-55	0 M	19.36 M
177.8 MM	28.8 KG/M	H-40	29.01 M	323.2 M

REMARKS

RUN 1 TRIP 1: DRILLING COMPLETED: 15:30 HRS. 11-DEC-05
WELL WAS AIR DRILLED AND FILLED WITH FRESH WATER PRIOR TO LOGGING.

LAST CIRCULATION ON BOTTOM: 00:00 HRS. 13-DEC-05

TIME ENTERING HOLE: 06:00 HRS. 13-DEC-05
TIME AT BOTTOM: 07:00 HRS. 13-DEC-05
TIME LAST ON BOTTOM: 07:15 HRS. 13-DEC-05
TIME EXITING HOLE: 08:30 HRS. 13-DEC-05

HDIL/DAL/GR RUN IN COMBINATION.
HDIL IS TEMPERATURE CORRECTED AND CORRECTED FOR 25.4 MM STAND-OFF

NOTE TO USER: ERROR CORRECTED AND CORRECTED FOR 2014 ■ STAND-01
CALIPER COPIED FROM ZDL/CN/GR RUN.

DATE INDICATED ON BEFORE/AFTER VERIFICATIONS AND FILE HEADERS IS INCORRECT DUE
TO MISSING SOFTWARE UPDATE.

TRUE RESOLUTION - QUALITY PLOT: DISPLAYS THE TRUE RESOLUTION MATCHED (TRF)
CURVES WITH 10", 20", 30", 60", 90", 120" MEDIAN DEPTH OF INVESTIGATION.
THEIR VERTICAL RESOLUTION DIFFERS FROM CURVE TO CURVE AS IT DEPENDS ON THE
DEPTH OF INVESTIGATION (DOI) - VARYING BETWEEN 1.0 AND 2.0 TIMES THE DOI.
THESE TRF CURVES PROVIDE AN EXCELLENT QUALITY CHECK AND SHOULD BE EXAMINED
WHENEVER UNEXPLAINED SPIKES OR ANOMALIES APPEAR ON THE MAIN VERTICAL RESOLUTION
MATCHED (VRM) CURVES - DUE TO BAD BOREHOLE CONDITIONS AND/OR WHEN VERY
CONDUCTIVE INVASION EXISTS.

CREW : D.KIRWAN

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	TTRM	3681XA	179328	FREE
1	1	COM REM	3514XA	153384	FREE
1	1	DGR	1328XA	153172	FREE
1	1	KNUT	3623XA	188278	KNICKLE JOINT
1	1	CENT	4341XA	368754	CENTRALIZER
1	1	DAL-E	1887EA	153582	ELECTRONICS
1	1	DAL-M	1680MA	154419	CENTRALIZED
1	1	CENT	4341XA	121321	CENTRALIER
1	1	HDL E	1515EA	177886	FREE
1	1	HDL M	1515MA	167383	25.4 MM STAND-OFF

INSTRUMENT CONFIGURATION

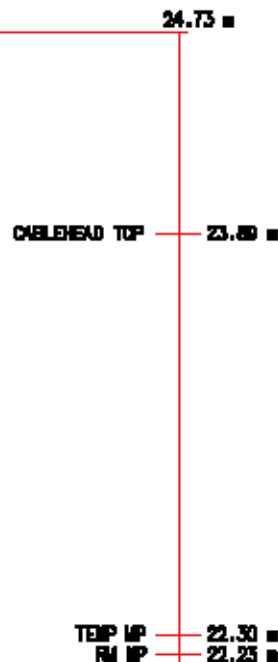
Source File: /dal1a/paw/rul/lrs2/hdl-tdg

CABLEHEAD

Series : CABL338
Mnemonic : CELH
Diameter : 6.6 cm
Weight : 10.9 kg
Length : 167.8 cm
Measure Point: 65.8 cm: CABLEHEAD TOP

TTRM SUB

Series : 3681XA
Mnemonic : TTRM
Diameter : 9.2 cm
Weight : 36.4 kg
Length : 116.8 cm
Measure Point: 42.2 cm: TEMP MP
Measure Point: 34.6 cm: RM MP



ITS COMMON RABBIT

Series : 3514XA
Mnemonic : ITS
Diameter : 9.2 cm
Weight : 65.5 kg
Length : 189.5 cm

DIGITAL SPECTRUM

Series : 13200A
Mnemonic : DSL
Diameter : 9.2 cm
Weight : 64.8 kg
Length : 222.5 cm
Measure Points: 48.8 cm: GR MP

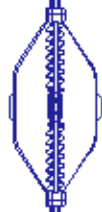
GR MP 18.25 m

ARMY ACUSTILLOS ELECTRONICS

Series : 1687EA
Mnemonic : DAG
Diameter : 8.6 cm
Weight : 61.8 kg
Length : 238.3 cm

4 ARM BOX SPRING CENTRALIZER

Series : 4341XA
Mnemonic : CENT
Diameter : 8.6 cm
Weight : 38.2 kg
Length : 125.5 cm



DIGITAL ACOUSTILDC	
Series	: 168DMA
Mononic	: DAL
Diameter	: 8.6 cm
Weight	: 66.9 kg
Length	: 306.9 cm
Measure Point:	242.3 cm: T1 MP
Measure Point:	181.4 cm: T2 MP
Measure Point:	89.8 cm: R1 MP
4 ARM BOX SPRING CENTRALIZER	
Series	: 4341XA
Mononic	: CENT
Diameter	: 8.6 cm
Weight	: 38.2 kg
Length	: 125.5 cm
KNUCKLE JOINT	
Series	: 3823XA
Mononic	: KNUIT
Diameter	: 8.6 cm
Weight	: 21.8 kg
Length	: 70.8 cm

DIGITAL ACOUSTILDC	
Series	: 168DMA
Mononic	: DAL
Diameter	: 8.6 cm
Weight	: 66.9 kg
Length	: 306.9 cm
Measure Point:	242.3 cm: T1 MP
Measure Point:	181.4 cm: T2 MP
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Series	: 3823XA
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Diameter	: 8.6 cm
Weight	: 21.8 kg
Length	: 70.8 cm

Age Group	Number of People
T1 MP	12.00
T2 MP	12.05
R1 MP	11.13

Age Group	Number of People
T1 MP	12.00
T2 MP	12.05
R1 MP	11.13

Age Group	Number of People
T1 MP	12.00
T2 MP	12.05
R1 MP	11.13

HIGH DEFINITION INDUCTION TOOL

Series : 15150A
Manufacturer : HDIL
Diameter : 8.2 cm
Weight : 200.5 kg
Length : 827.0 cm
Measure Point: 425.8 cm: SP MP
Measure Point: 226.8 cm: XMTR MP

SP MP 4.24 m

XMTR MP 2.27 m

0.00 m

TOTAL LENGTH: 24.83 m
TOTAL WEIGHT: 805.5 kg
MAX DIAMETER: 16.2 cm

MAIN LOG - UPPER PRESENTATION

ECLIPS 5.01 Dec 17, 2003
Updates: 1,2,3,32

Perpht /main/59

Cplot 7.09
Pdf_Cpp /main/16

Tue Nov 22 12:22:02 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pasa/vul_hrc2/1777Jd03.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 283.085 m BOTTOM DEPTH: 931.184 m

SYMMETRIC FILTER

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTRM	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
Y AXIS CALIPER	FILTER ()	light (2)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
SP-SPDH	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
MUD VALUES SOURCE	RMD SOURCE (HDIL)	TOOL MEASURED		"	"
MUD VALUES	MUD SAMPLE TEMP	18.8	degC	"	"
	MUD SAMPLE RES	5.858	ohm.m	"	"
	MUD REFERENCE TEMP	23.9	degC	"	"
	TEMP GRADIENT	2.187	0.01 degC/m	"	"

SP CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SP CONTROL	Tool/Bridge	TOOL		TOP	BOTTOM

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	MUD CONDUCTIVITY		"	"
	STANDOFF	25.40	mm	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmud MULTIPLIER	1.000		"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 22 07:13:14 2005	BIT SIZE
F1:BYOL	BYOL	Nov 22 07:13:14 2005	BOREHOLE VOLUME
F1:CAL	CAL	Nov 22 07:13:14 2005	CALIPER
F1:DEPTH	MATCH_2_RES_DATA	Nov 22 07:13:14 2005	SYSTEM DEPTH
F1:GR	GR	Nov 22 07:13:14 2005	GAMMA RAY
F1:M2R2	M2R2V	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2RX	M2RXL	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH
F1:MMRK	MMRK	Nov 22 07:13:14 2005	MINUTE MARK
F1:SPDH	SP	Nov 22 07:13:14 2005	SPONTANEOUS POTENTIAL PROCESSED IN COMMON REMOTE
F1:TEN	TEN	Nov 22 07:13:14 2005	DIFFERENTIAL TENSION
F1:WTBH		Nov 22 07:13:14 2005	TEMPERATURE OF THE BOREHOLE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	GR	18.21	M2RX	2.44	TEN	0.00
CAL	0.00	M2R2	2.44	SPDH	4.27		

Presentation : opul:/dat1a/pass/vul_hro2/hdILupper.pdf [1:800 Scale]
 Plot Interval : 270.967 - 955 Meters

Data File 1 : F1 : opul:/dat1a/pass/vul_hro2/1777Jr03.xtf
 Created On : Nov 22 07:13:14 2005
 Company : VULCAN MINERALS INC.
 Well : HURRICANE #2 (NHIP #1)
 Field : BAY ST. GEORGE
 File Interval : 270.967 - 951.164 Meters
 Out : 1777Jr

GR BACKUP

TOOL STICKING

CAL < BIT

CALIPER [cal]

125 375
(mm)

BIT SIZE

125 375
(mm)

GAMMA RAY [gr]

0 150
(gAPI)

SP [spdh]

0 200
(mV)

DIFF. TENSION [tm]

1900 100
(kgf)

MINUTE MARK

BVOL

0.1
1
10

300

350

CSG

TEN

TEN

2FT. Matched Resolution Resistivity

SHALLOW [m2r2]

0 50
(ohm.m)

DEEP [m2rx]

0 50
(ohm.m)

OVERRANGE SHALLOW [m2r2]

50 500
(ohm.m)

OVERRANGE DEEP [m2rx]

50 500
(ohm.m)

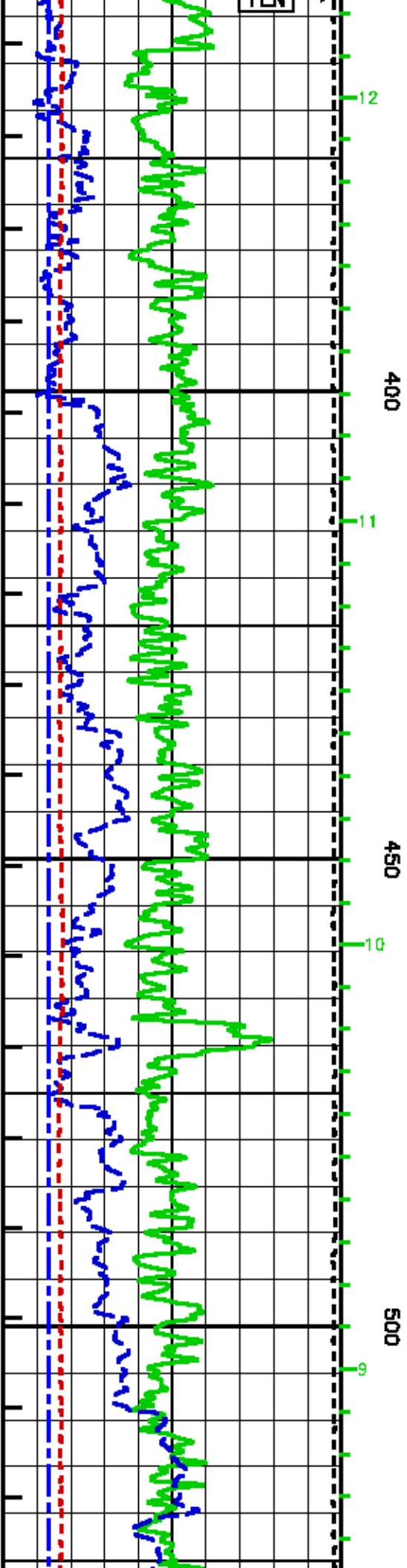
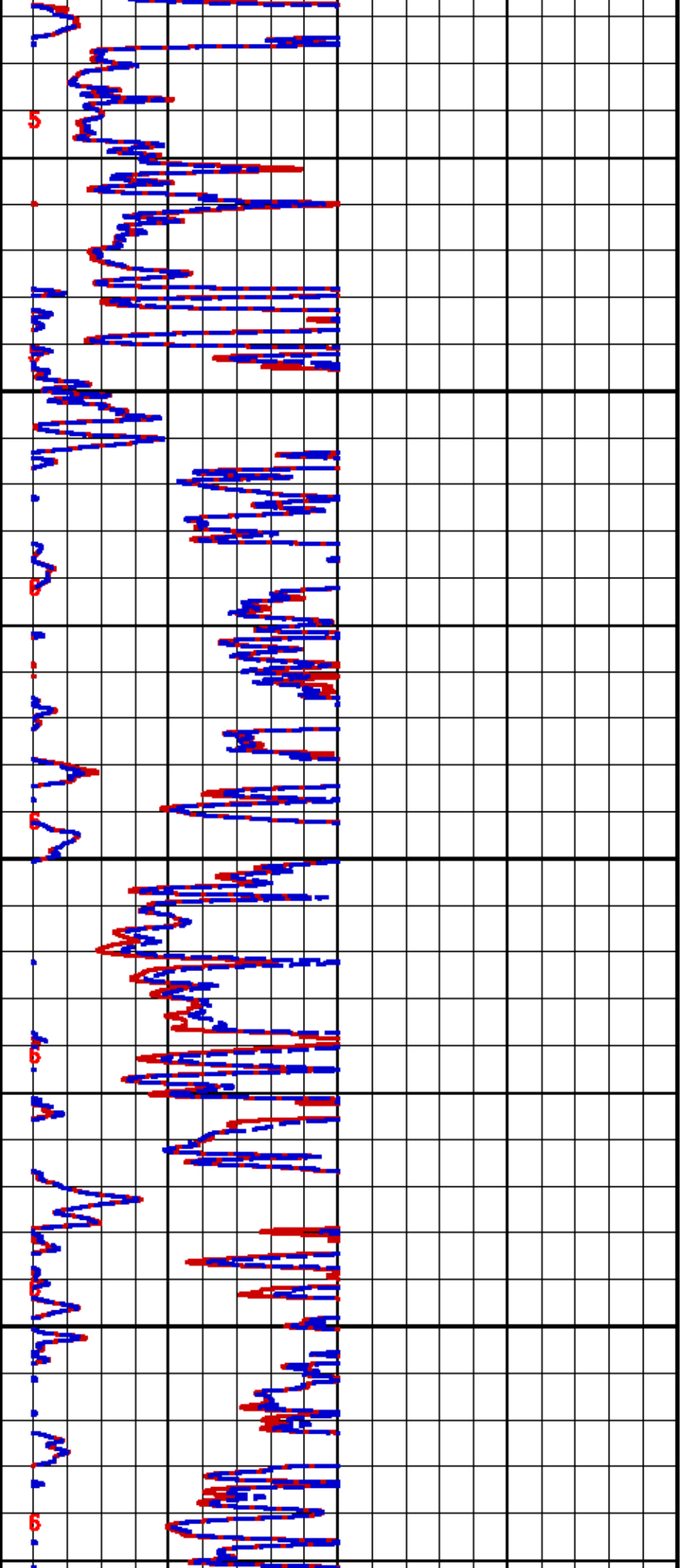
WTBH

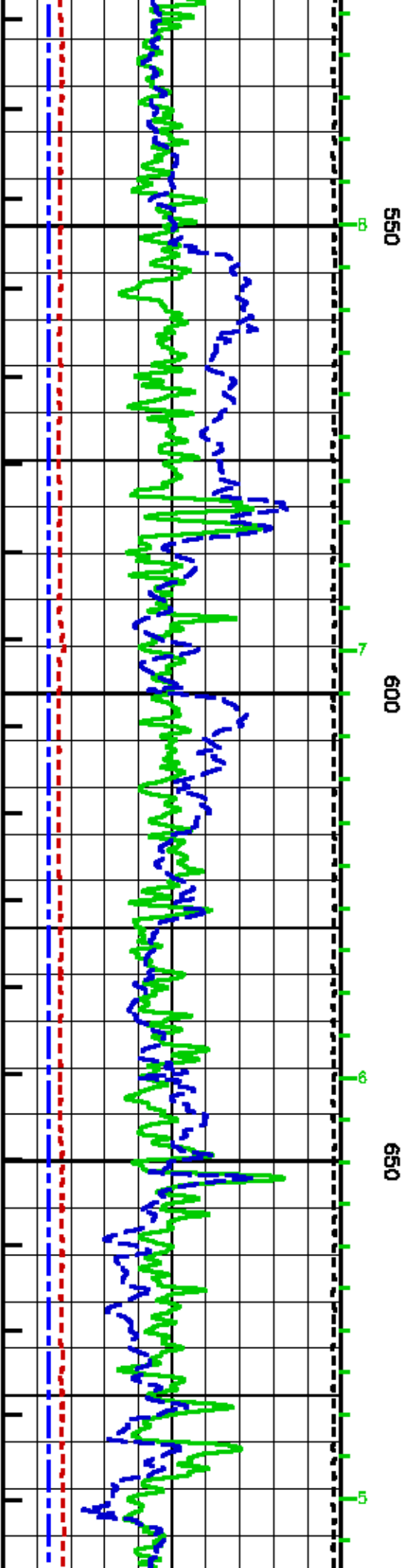
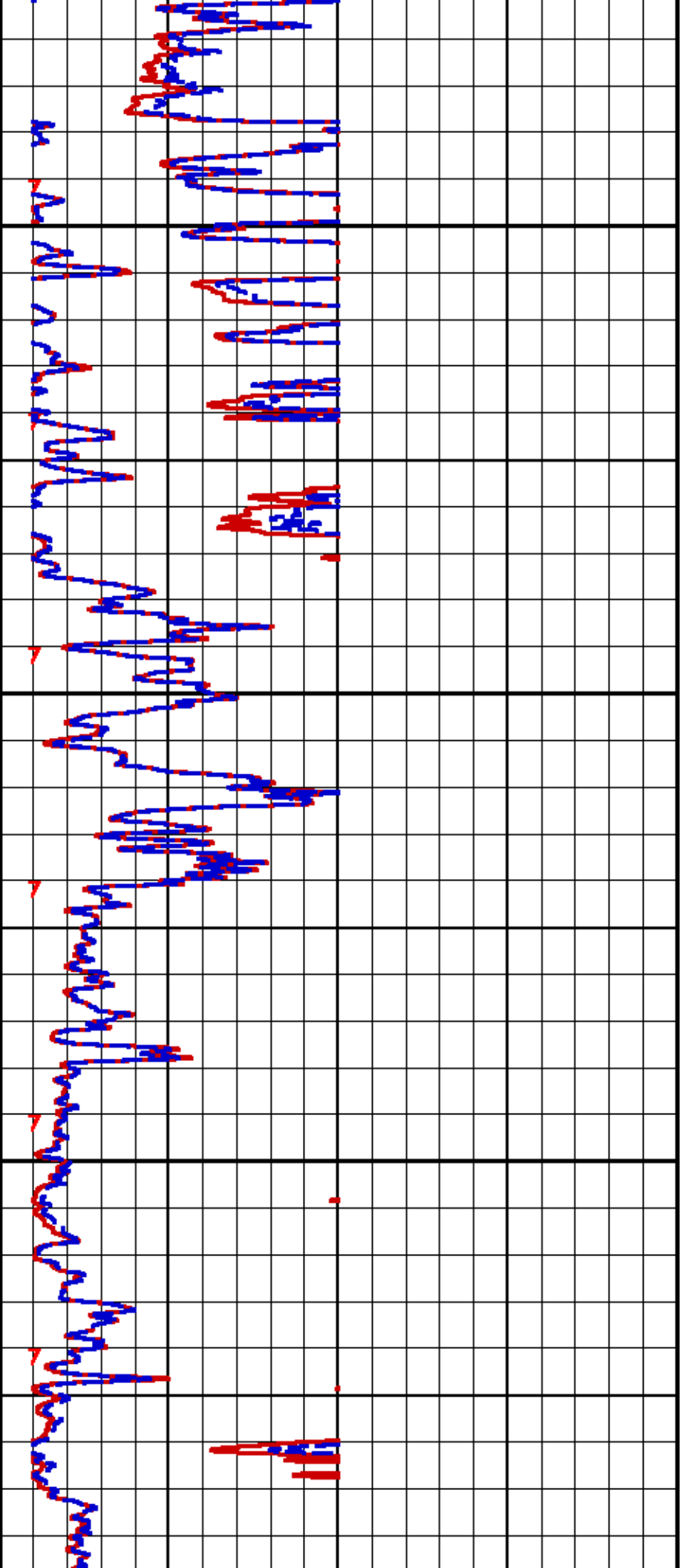
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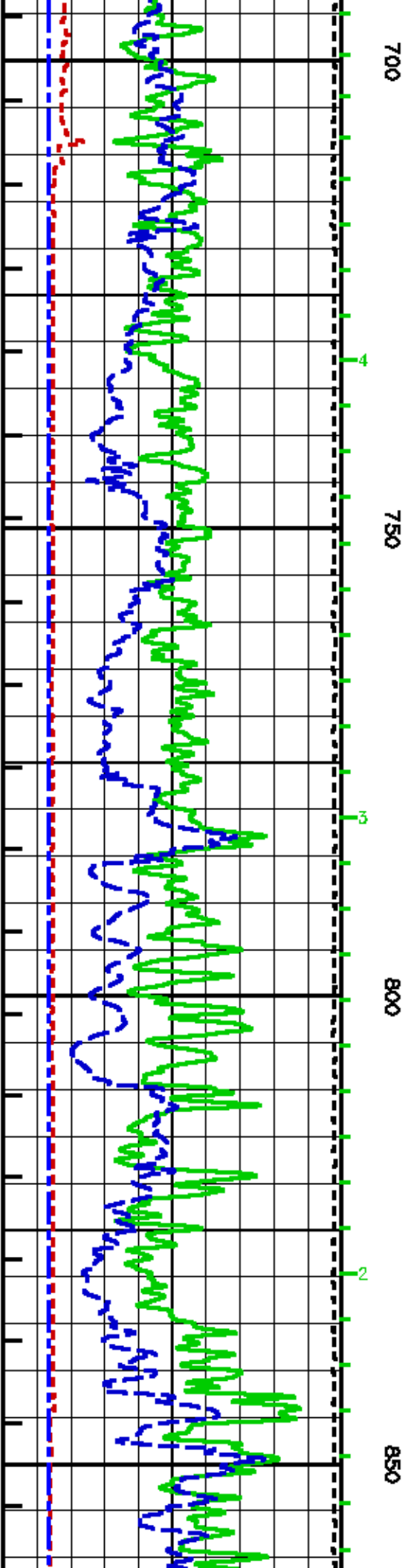
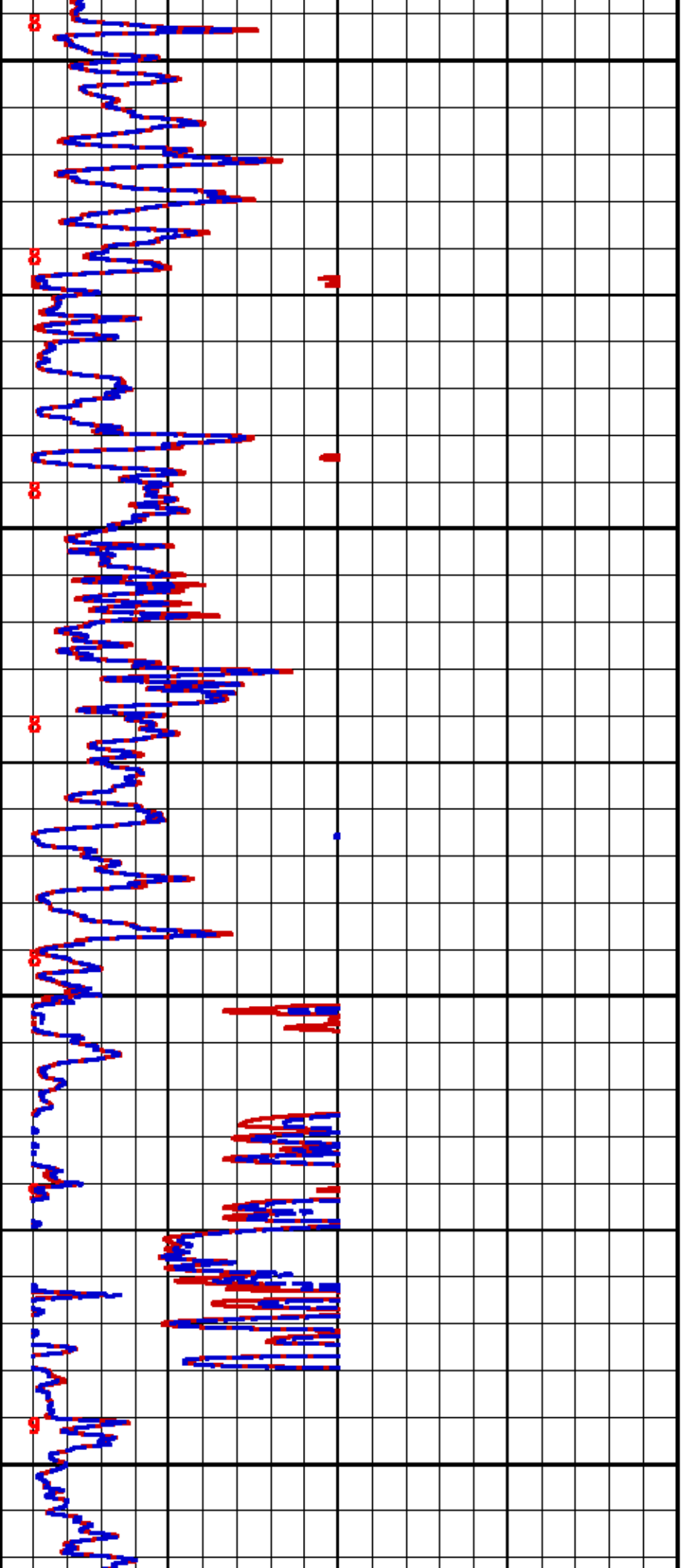
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M2R2

M2RX







MAIN LOG

ECLIPS 5.01 Dec 17, 2003
Updates: 1,2,3,32

Perplot /main/59

Cplot 7.09
Pdf_Cpp /main/16

Tue Nov 22 12:21:34 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pasa/vul_hro2/1777-h05.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 293.085 m BOTTOM DEPTH: 931.184 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTM	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
Y AXIS CALIPER	FILTER ()	light (2)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
SP-SPDH	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
MUD VALUES SOURCE	RMD SOURCE (HDIL)	TOOL MEASURED		"	"
MUD VALUES	MUD SAMPLE TEMP	18.8	degC	"	"
	MUD SAMPLE RES	5.656	ohm.m	"	"
	MUD REFERENCE TEMP	23.9	degC	"	"
	TEMP GRADIENT	2.187	0.01 degC/m	"	"

SP CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SP CONTROL	Tool/Bridge	TOOL		TOP	BOTTOM

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		"	"
	ABC to CALCULATE	MUD CONDUCTIVITY		"	"
	STANDOFF	25.40	mm	"	"
	TOOL POSITION	ECCENTERED		"	"
	Rmd MULTIPLIER	1.000		"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 22 07:13:14 2005	BIT SIZE
F1:BVOL	BVOL	Nov 22 07:13:14 2005	BOREHOLE VOLUME
F1:CAL	CAL	Nov 22 07:13:14 2005	CALIPER
F1:DEPTH	WATCH_2_RES_DATA	Nov 22 07:13:14 2005	SYSTEM DEPTH
F1:GR	GR	Nov 22 07:13:14 2005	GAMMA RAY
F1:M2R1	M2R1	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 10 INCH
F1:M2R2	M2R2	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2R3	M2R3	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH
F1:M2R6	M2R6	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH
F1:M2R9	M2R9	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH
F1:M2RK	M2RK	Nov 22 07:13:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH
F1:MMRK	MMRK	Nov 22 07:13:14 2005	MINUTE MARK
F1:SPDH	SP	Nov 22 07:13:14 2005	SPONTANEOUS POTENTIAL PROCESSED IN COMMON REMOTE
F1:TEN	TEN	Nov 22 07:13:14 2005	DIFFERENTIAL TENSION
F1:TEMP	TEMP	Nov 22 07:13:14 2005	TEMPERATURE OF THE BOREHOLE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	M2R1	2.44	M2R6	2.44	SPDH	4.27
CAL	0.00	M2R2	2.44	M2R9	2.44	TEN	0.00
GR	18.21	M2R3	2.44	M2RX	2.44		

Presentation : opul:/dat/a/pass/vul_hre2/hdl_main.pdf [1:240 Scale]

Plot Interval : 270.967 - 953 Meters

Data File 1 : F1 : opul:/dat/a/pass/vul_hre2/1777Jr03.xtf

Created On : Nov 22 07:13:14 2005

Company : VULCAN MINERALS INC.

Well : HURRICANE #2 (WHIP #1)

Field : BAY ST. GEORGE

File Interval : 270.967 - 951.164 Meters

Out : 1777Jr

GR BACKUP

TOOL STICKING

CAL < BIT

GAMMA RAY [gr]

0 150

(gAPI)

CALIPER [cal]

125 375

(mm)

BIT SIZE

125 375

(mm)

SP [spdh]

0 200

(mV)

DIFF. TENSION [tm]

1900 100

(kgf)

MINUTE MARK

1

METERS

BVOL

0.1

10

275

2FT. Matched Resolution Resistivity

10 in. DOI [m2r1]

0.2 2000

(ohm.m)

20 in. DOI [m2r2]

0.2 2000

(ohm.m)

30 in. DOI [m2r3]

0.2 2000

(ohm.m)

60 in. DOI [m2r6]

0.2 2000

(ohm.m)

90 in. DOI [m2r9]

0.2 2000

(ohm.m)

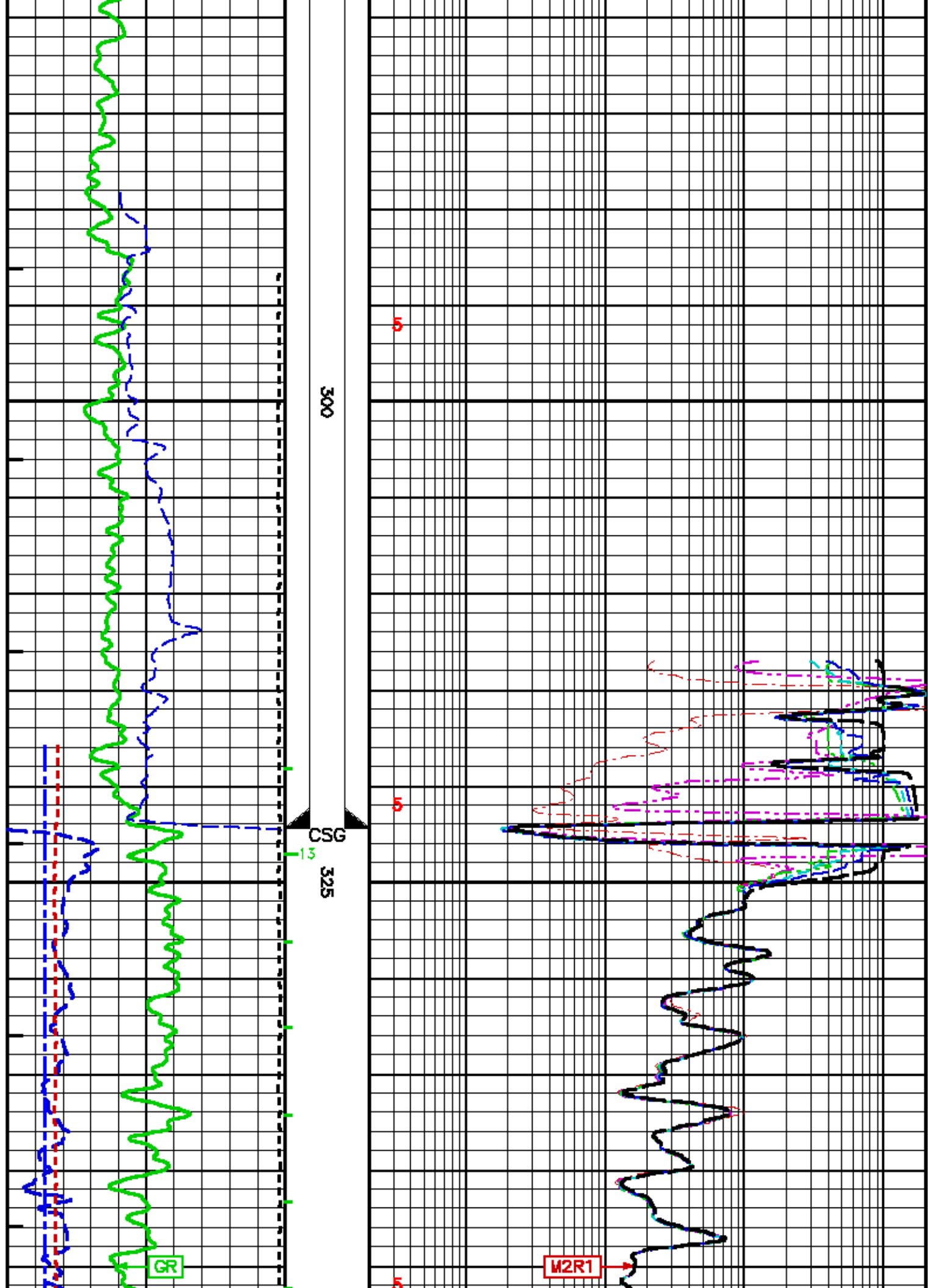
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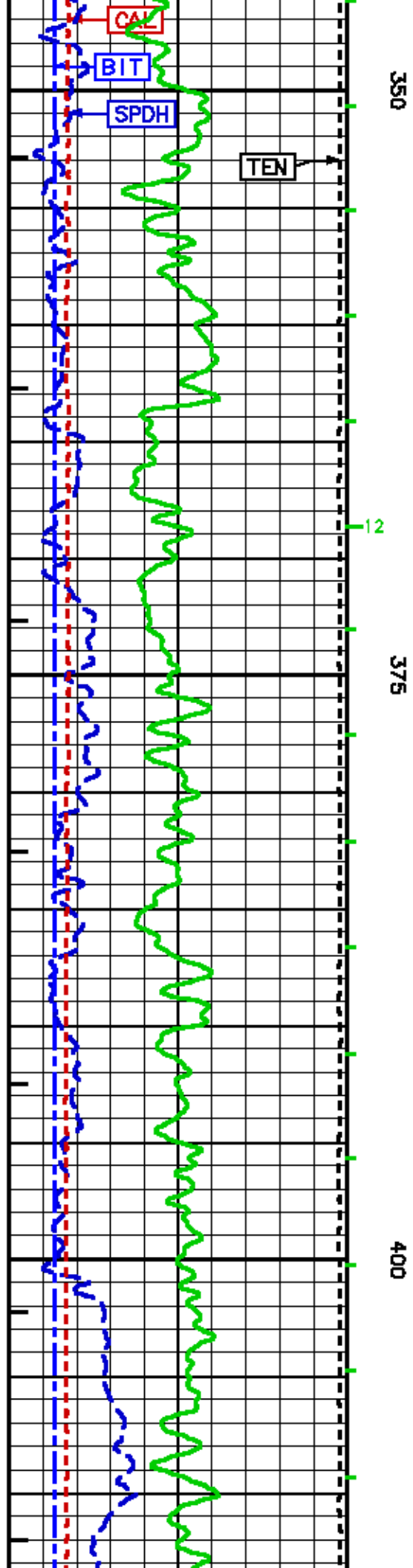
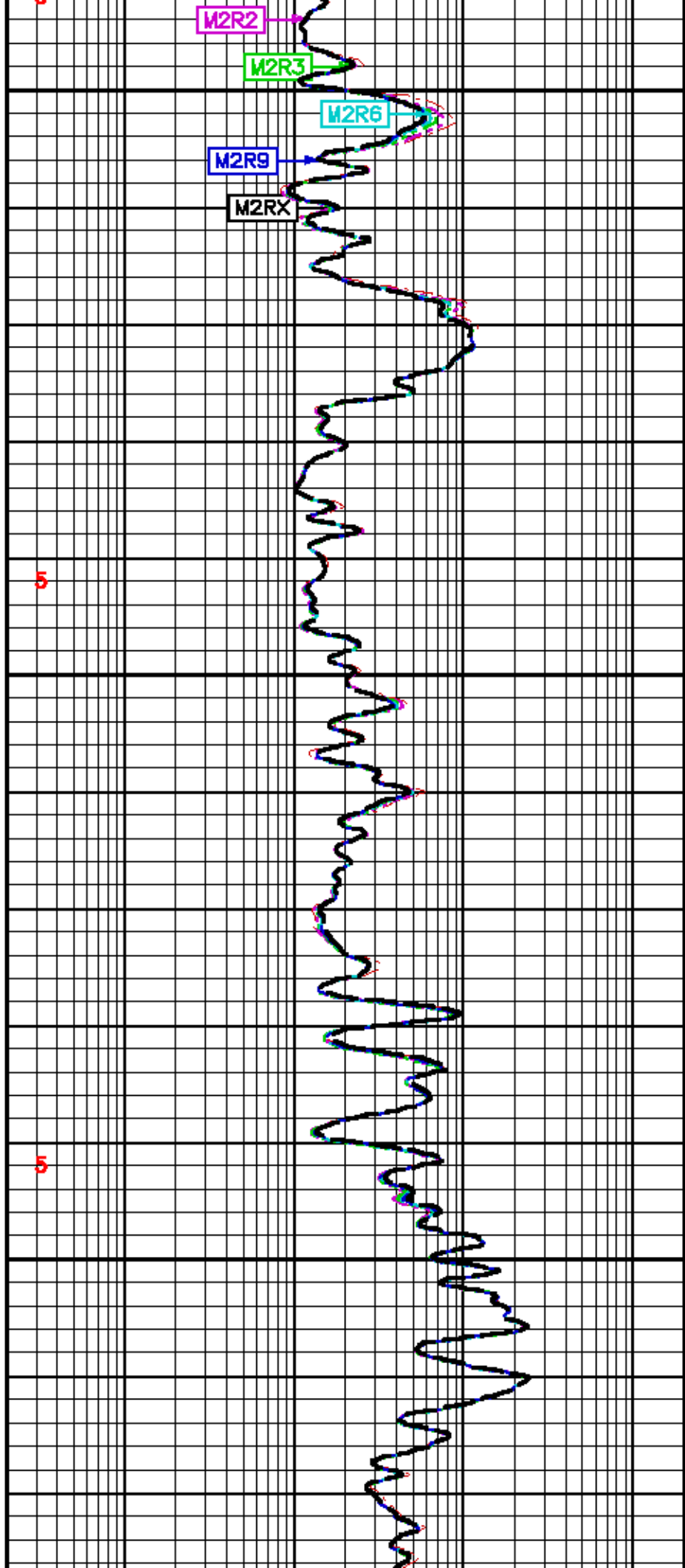
0.2 2000

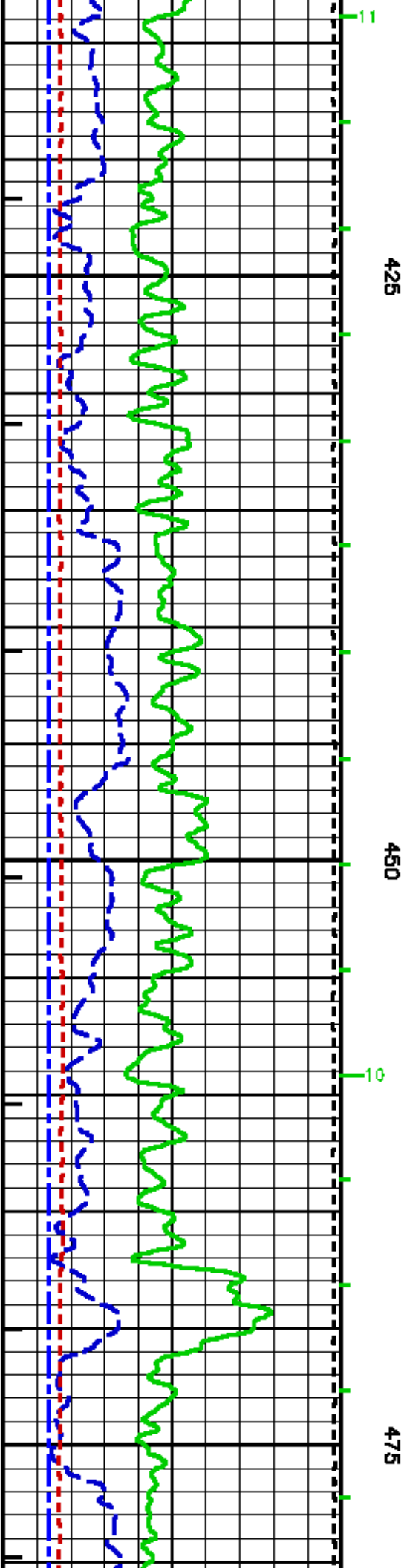
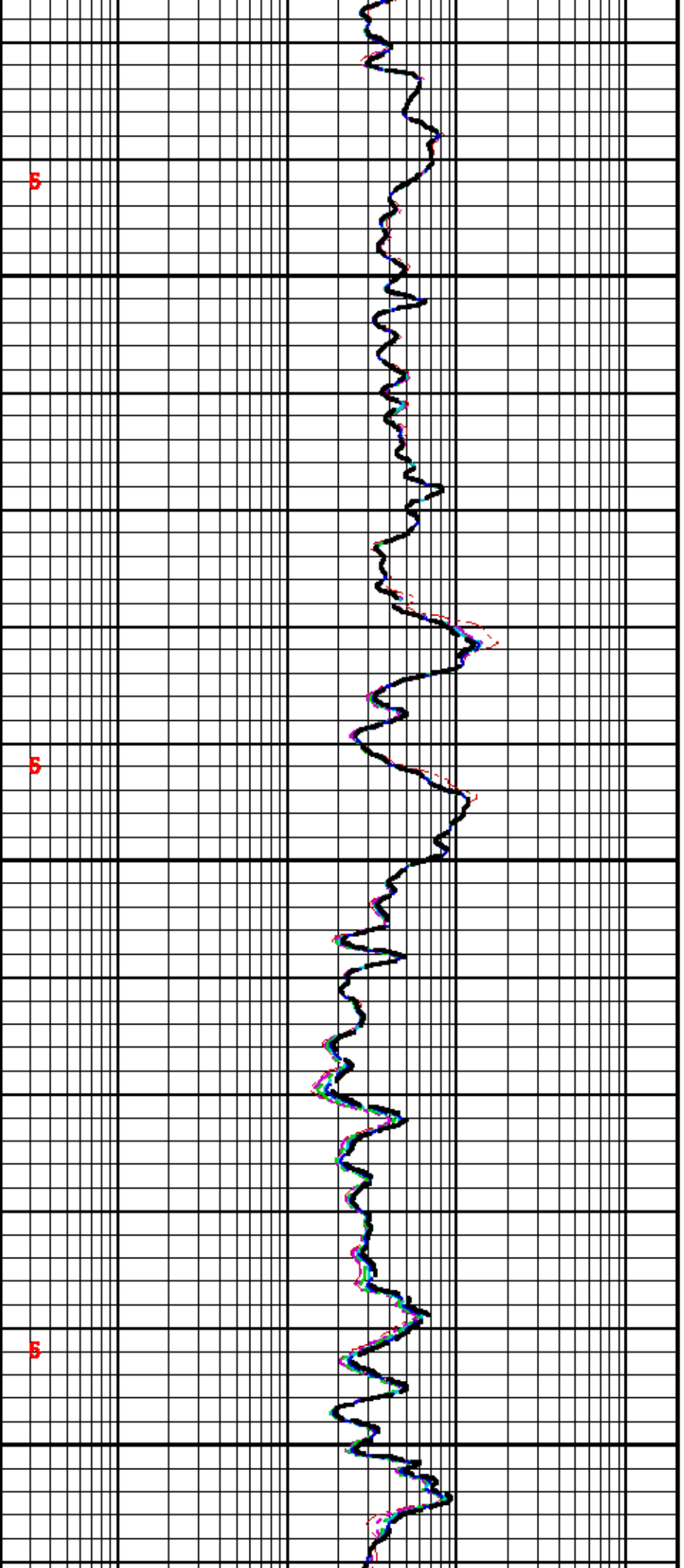
(ohm.m)

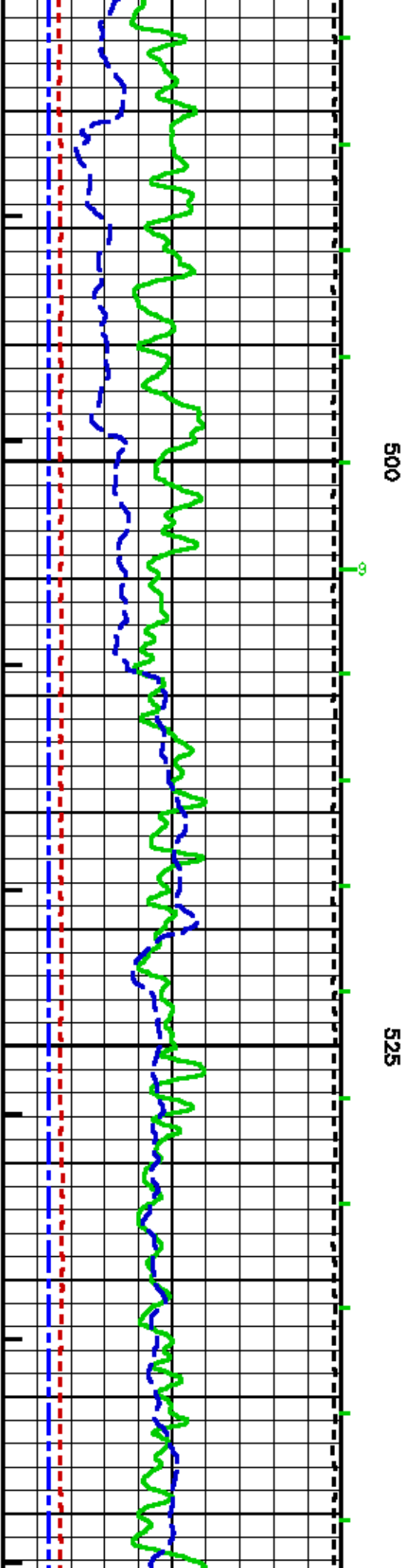
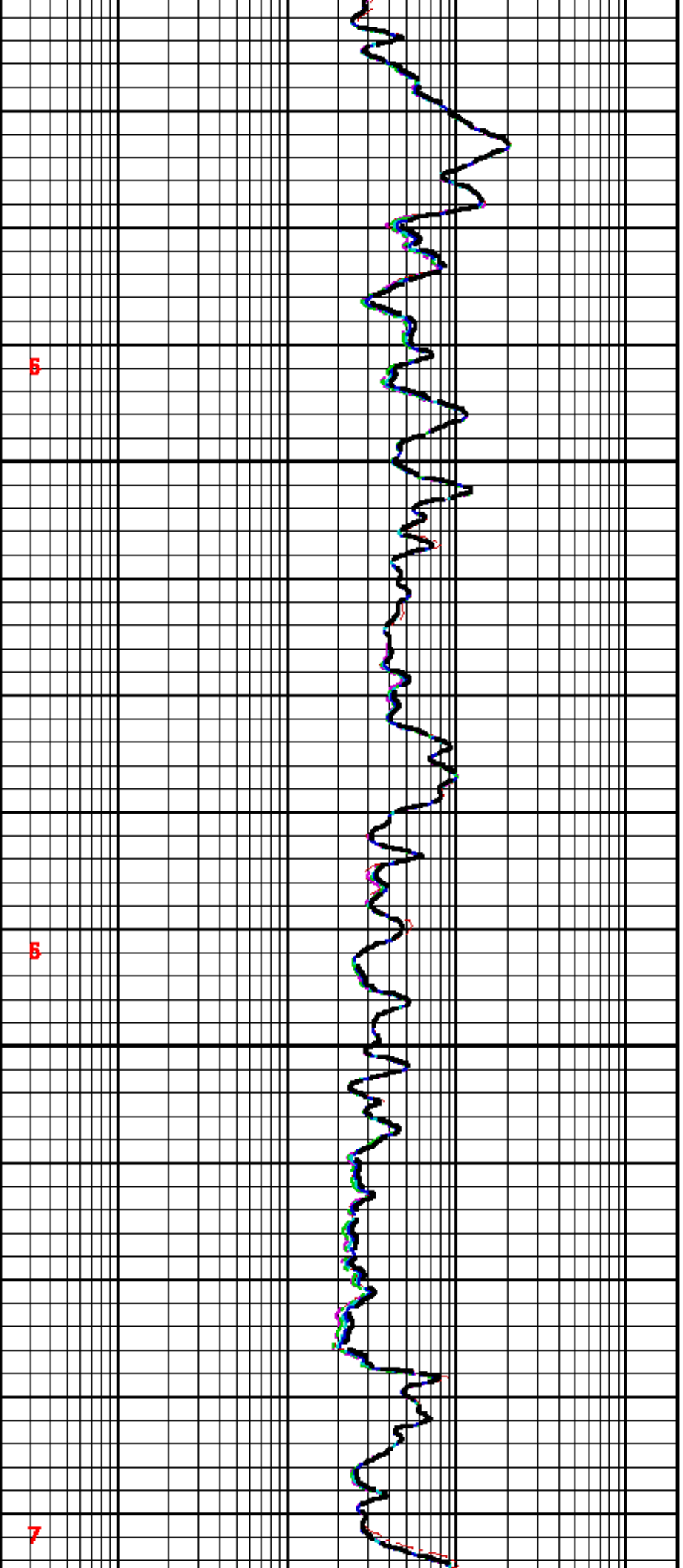
WTBH

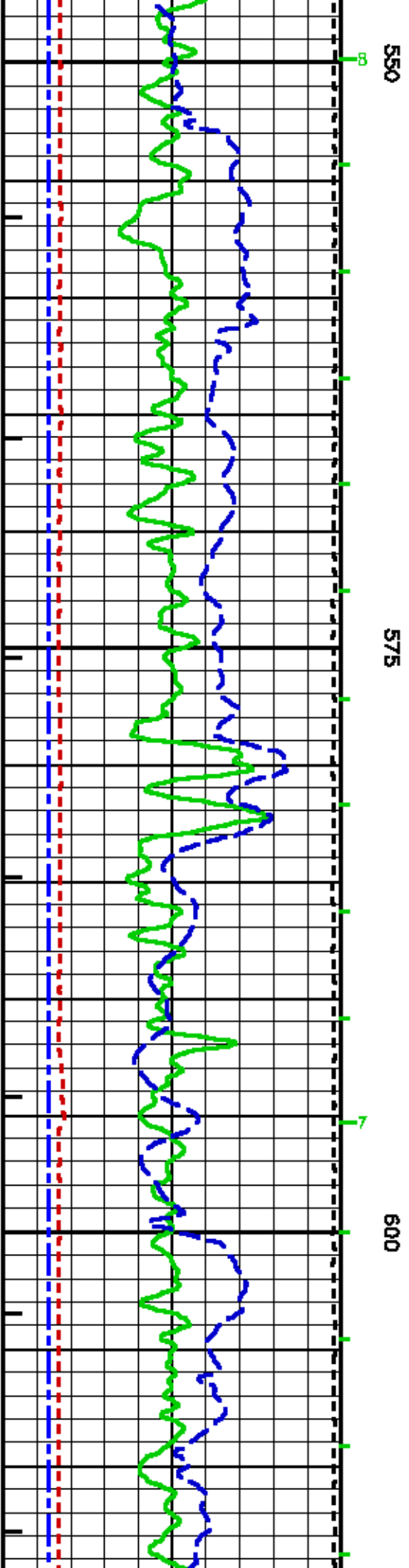
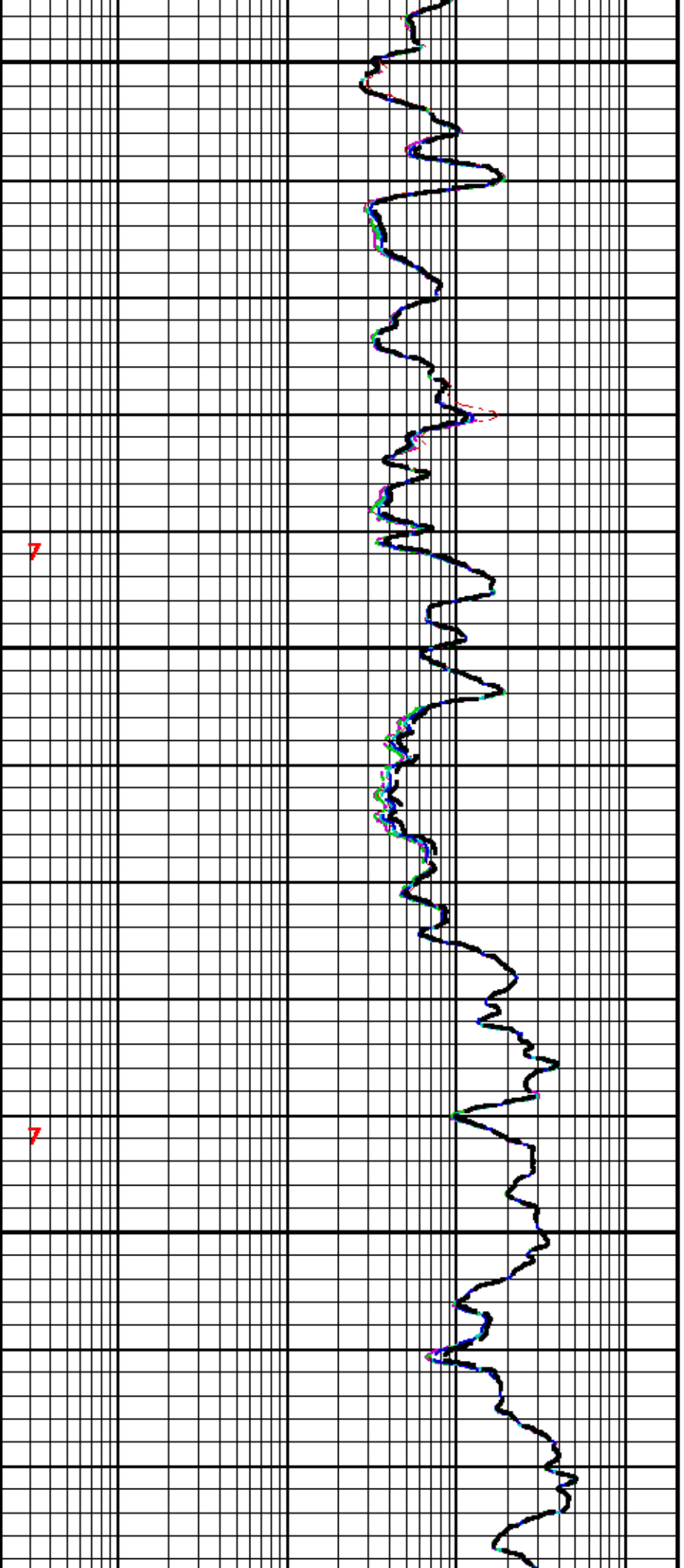
(degC)

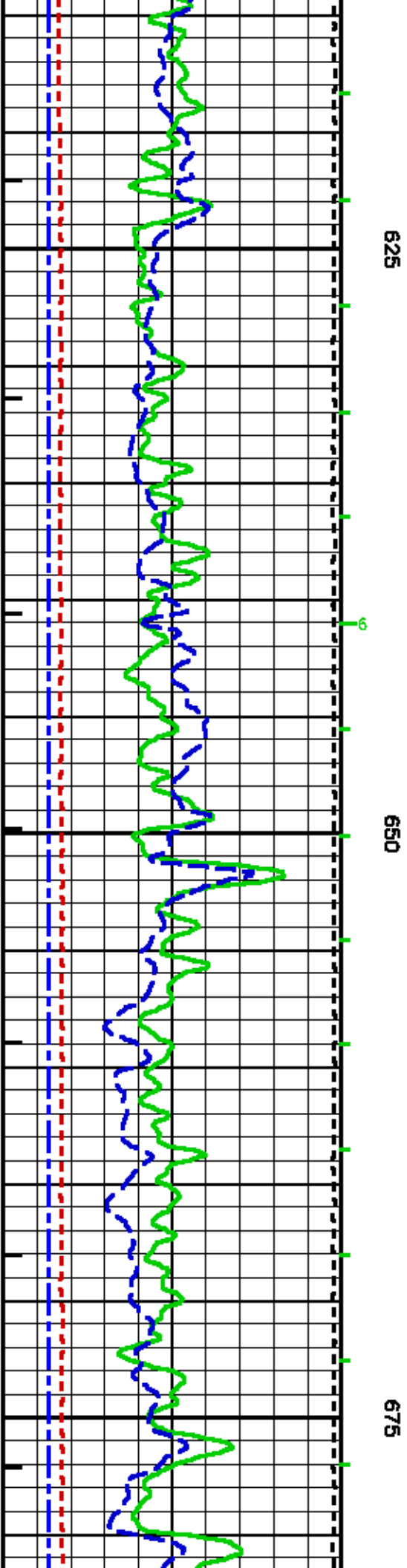
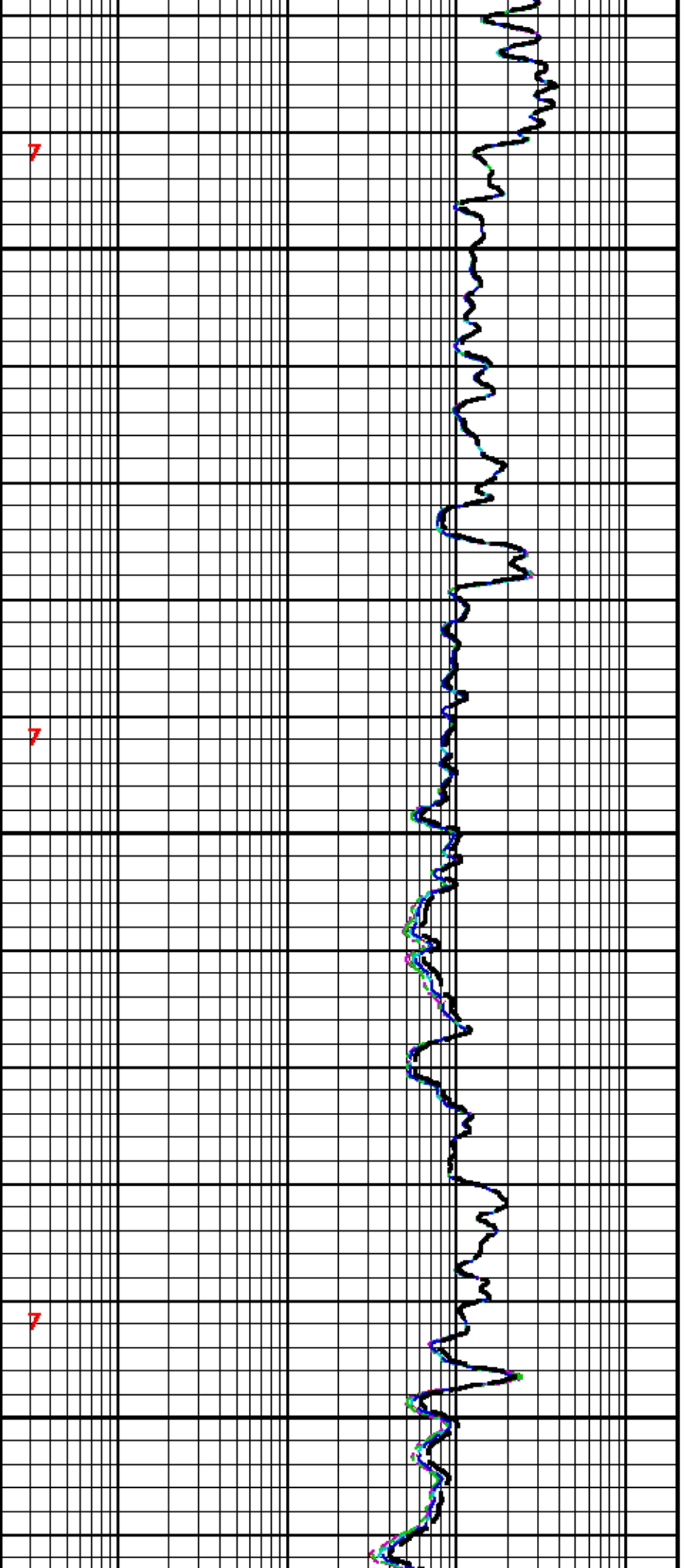


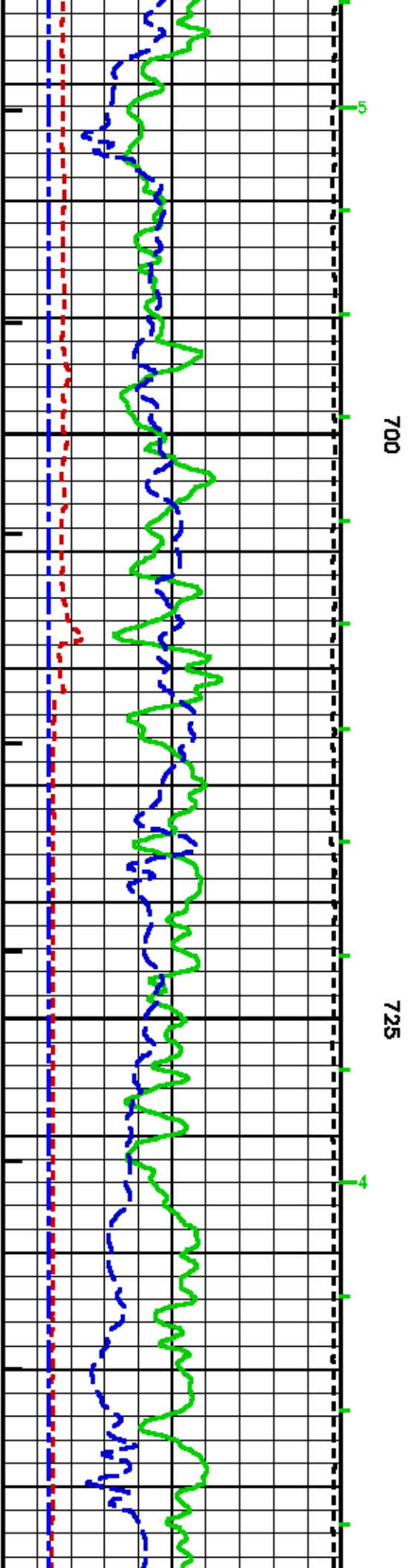
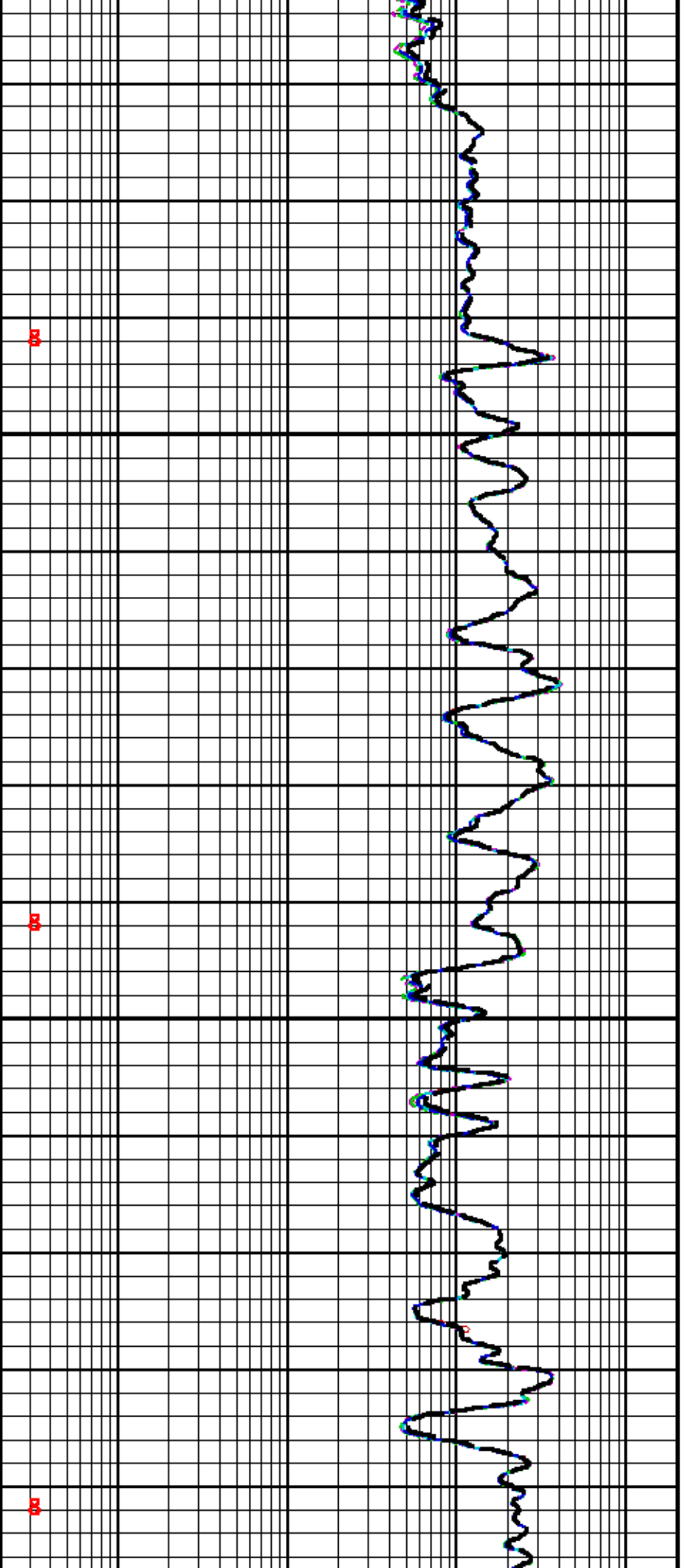


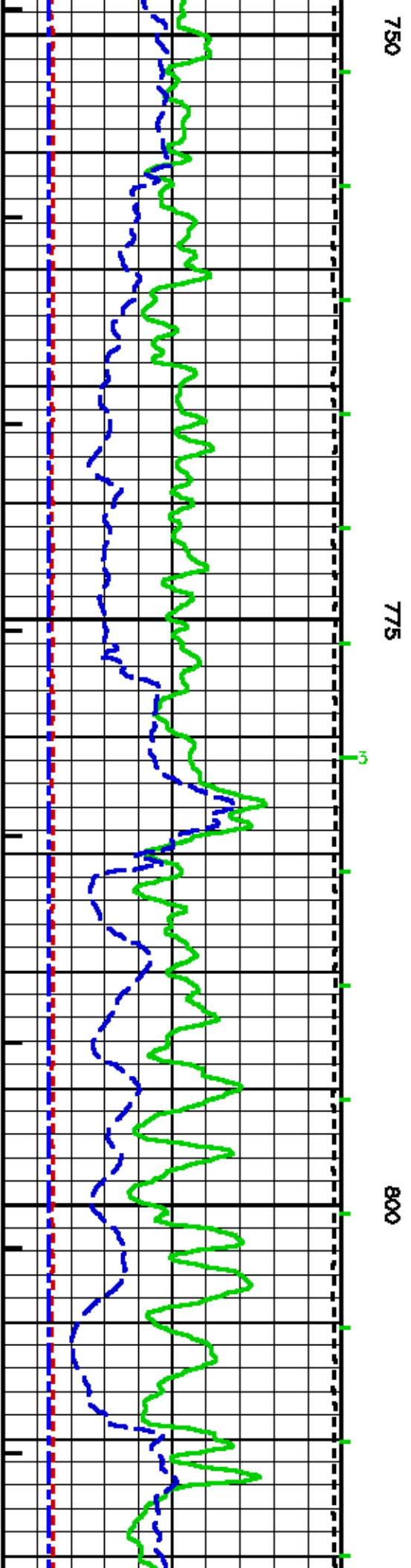
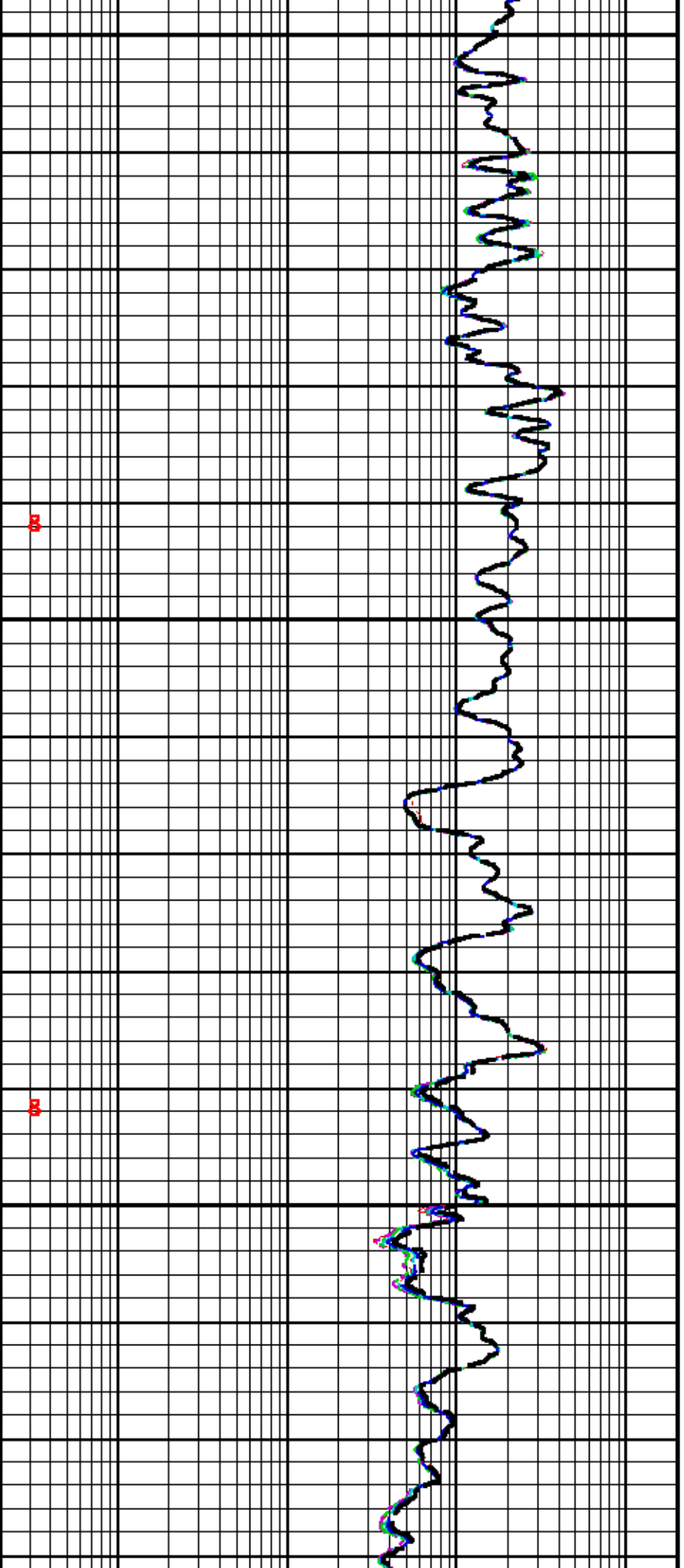


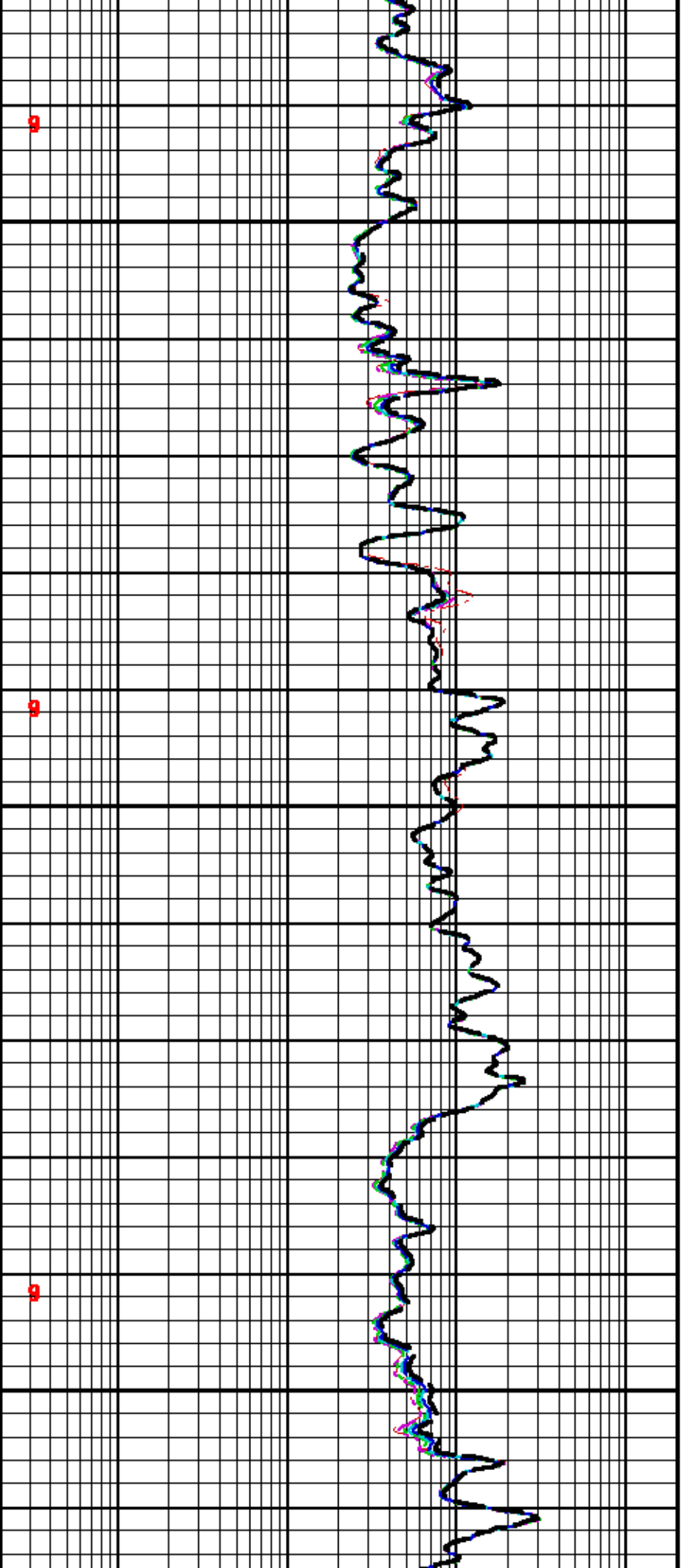










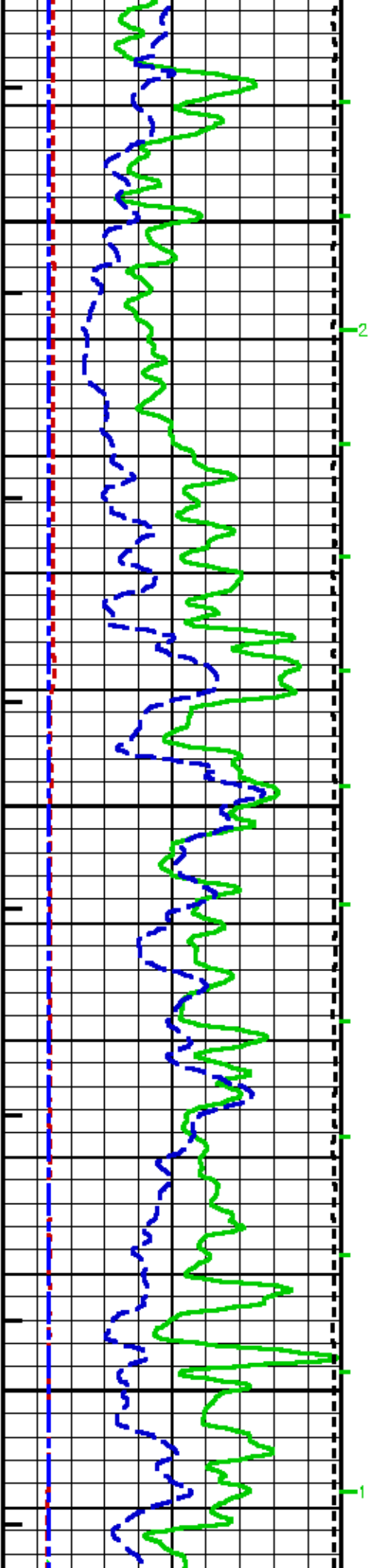


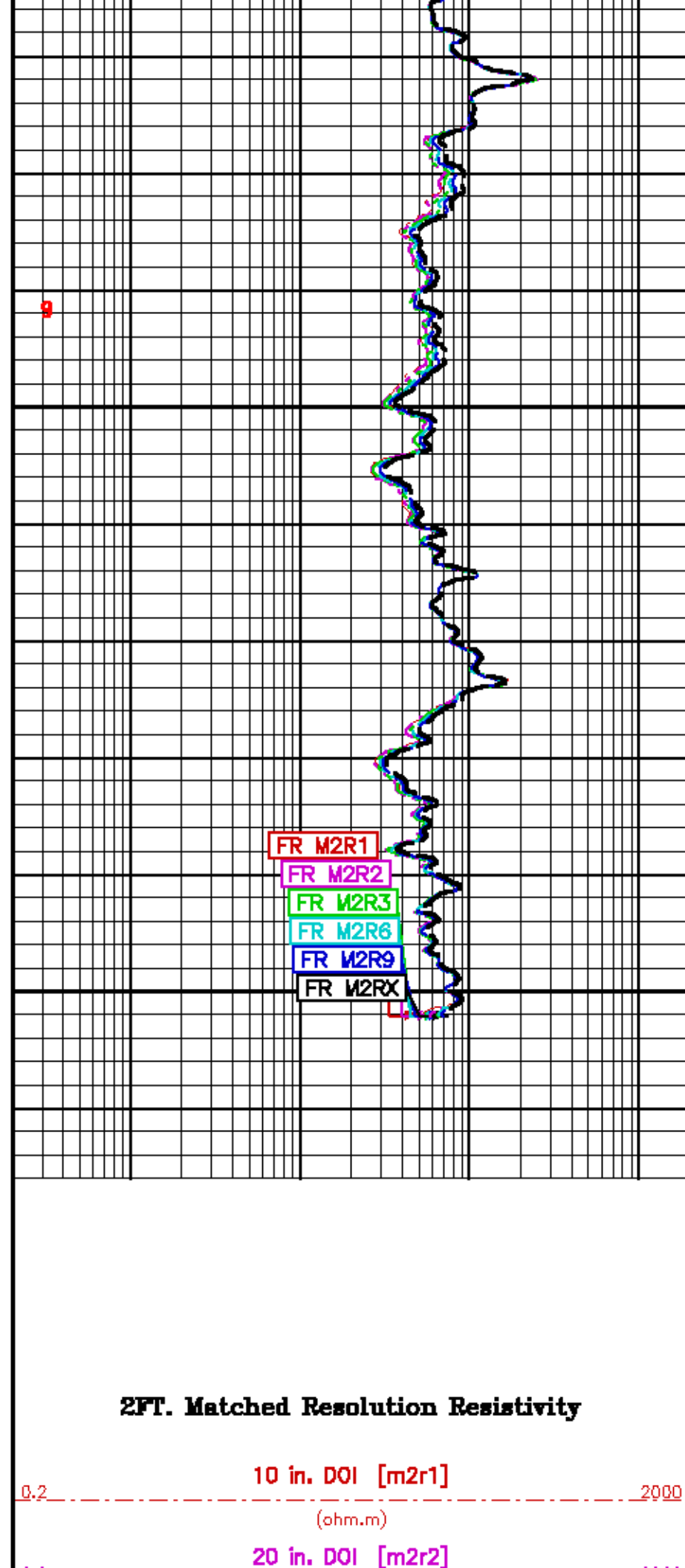
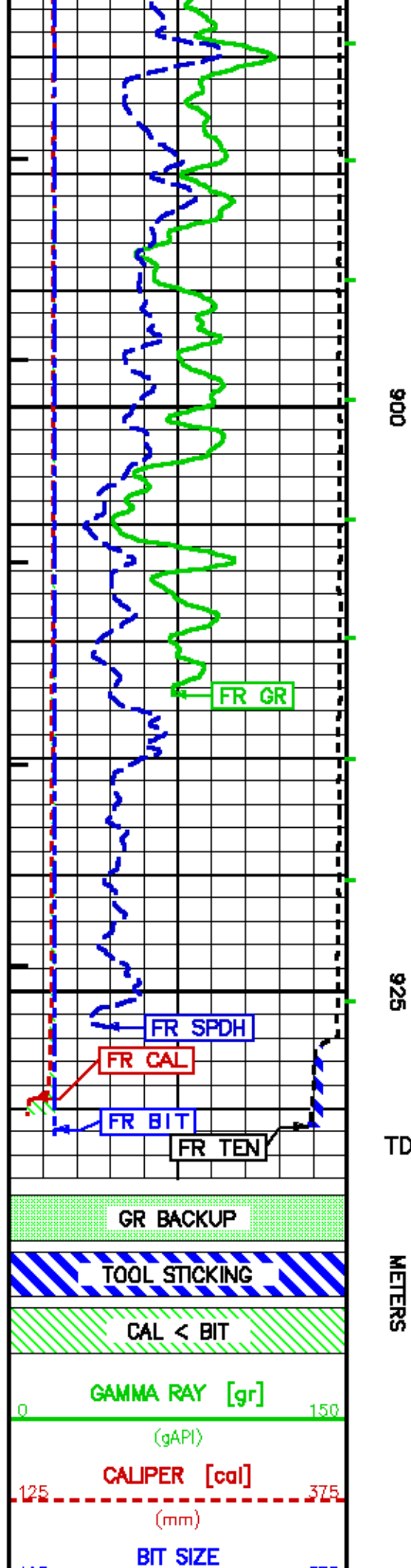
825

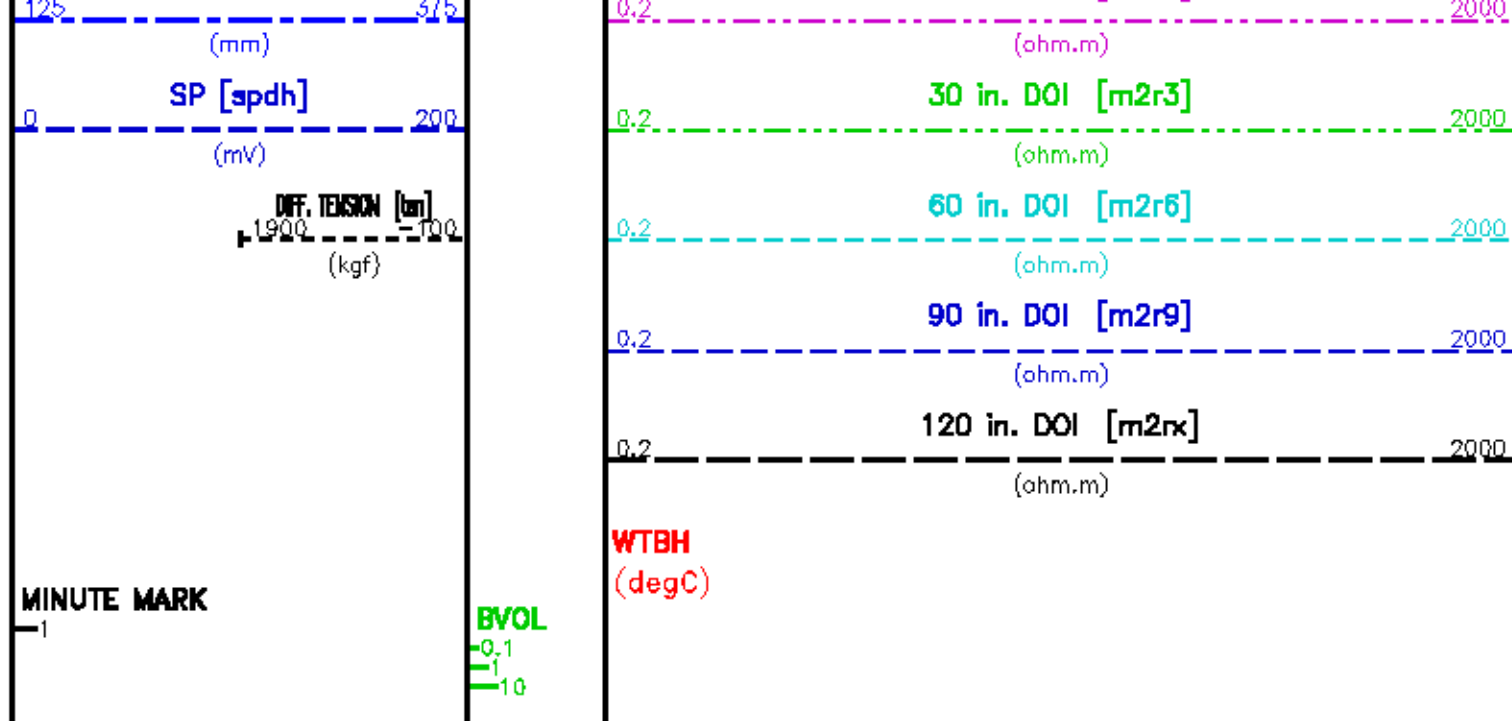
850

875

2







REPEAT LOG

ECLIPS 5.01 Dec 17, 2003
Updates: 1,2,3,32

Perplot /main/59

Cplot 7.09
Pdf_Cpp /main/16

Tue Nov 22 10:45:15 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pasa/vul_hrc2/1777.hrc2.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 836.828 m BOTTOM DEPTH: 932.993 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
TTRM	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
Y AXIS CALIPER	FILTER ()	light (2)		"	"
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
SP-SPDH	FILTER ()	medium (1)		"	"

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh*)	159.000	mm	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh*)	USE FIXED SIZE		"	"
MUD VALUES SOURCE	RMD SOURCE (MDIL)	TOOL MEASURED		"	"
MUD VALUES	MUD SAMPLE TEMP	18.8	degC	"	"
	MUD SAMPLE RES	5.056	ohm.m	"	"
	MUD REFERENCE TEMP	23.9	degC	"	"
	TEMP GRADIENT	2.187	0.01 degC/m	"	"

SP CONTROL

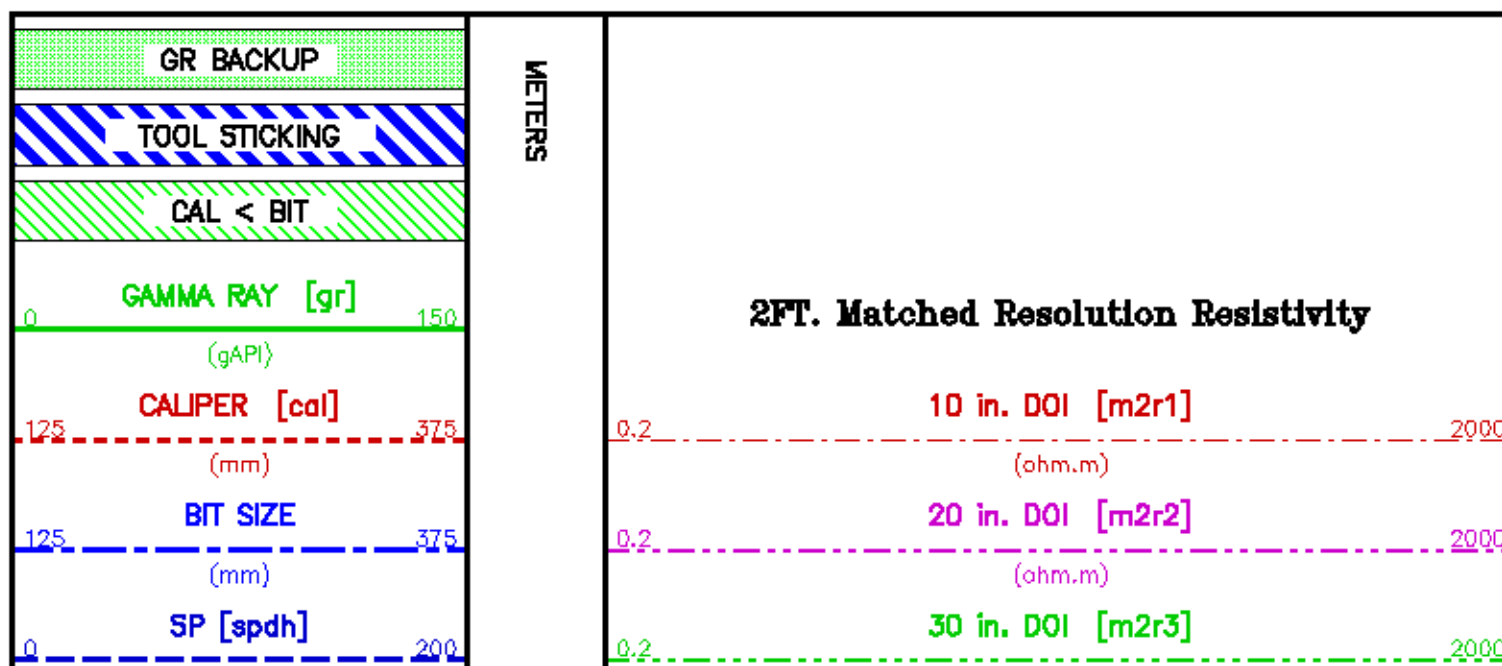
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
------------------	-----------	-------	-------	--------------	--

SP CONTROL	Tool/BrtIde	TOOL	TOP	BOTTOM
HDIL PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RKTEMP		TOP BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		" "
	ABC to CALCULATE	MUD CONDUCTIVITY		" "
	STANDOFF	25.40	mm	" "
	TOOL POSITION	ECCENTRICED		" "
	Rmsd MULTIPLIER	1.000		" "

CURVE DESCRIPTION REPORT				
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION	
F1:BIT	BIT	Nov 22 06:53:14 2005	BIT SIZE	
F1:BVOL	BVOL	Nov 22 06:53:14 2005	BOREHOLE VOLUME	
F1:CAL	CAL	Nov 22 06:53:14 2005	CALIPER	
F1:DEPTH	WATCH_2_RES_DAT	Nov 22 06:53:14 2005	SYSTEM DEPTH	
F1:GR	GR	Nov 22 06:53:14 2005	GAMMA RAY	
F1:M2R1	M2R1	Nov 22 06:53:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 10 INCH	
F1:M2R2	M2R2	Nov 22 06:53:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH	
F1:M2R3	M2R3	Nov 22 06:53:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH	
F1:M2R6	M2R6	Nov 22 06:53:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH	
F1:M2R8	M2R8	Nov 22 06:53:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 80 INCH	
F1:M2R0	M2R0	Nov 22 06:53:14 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH	
F1:MMRK	MMRK	Nov 22 06:53:14 2005	MINUTE MARK	
F1:SPDH	SP	Nov 22 06:53:14 2005	SPONTANEOUS POTENTIAL PROCESSED IN COMMON REMOTE	
F1:TEN	TEN	Nov 22 06:53:14 2005	DIFFERENTIAL TENSION	
F1:WTBH		Nov 22 06:53:14 2005	TEMPERATURE OF THE BOREHOLE	

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	M2R1	2.44	M2R6	2.44	SPDH	4.27
CAL	0.00	M2R2	2.44	M2R8	2.44	TEN	0.00
GR	18.21	M2R3	2.44	M2R0	2.44		

Presentation	: cput:/dat/a/pasm/vul_hrc2/hdl_rpl.pdf [1:240 Scale]
Plot Interval	: 814.807 - 832.993 Meters
Data File 1	: F1 : cput:/dat/a/pasm/vul_hrc2/1777.k02.xtf
Created On	: Nov 22 06:53:14 2005
Company	: VULCAN MINERALS INC.
Well	: HURRICANE #2
Field	: HURRICANE
File Interval	: 814.807 - 832.993 Meters
Oct	: 1777.k



(mV)

DIFF. TENSION [mV]
1900 -100
(kgf)

MINUTE MARK

1

BVOL

0.1
10

825

850

GR

GAL

(ohm.m)

60 in. DOI [m2r6]

0.2

(ohm.m)

2000

90 in. DOI [m2r9]

0.2

(ohm.m)

2000

120 in. DOI [m2rx]

0.2

(ohm.m)

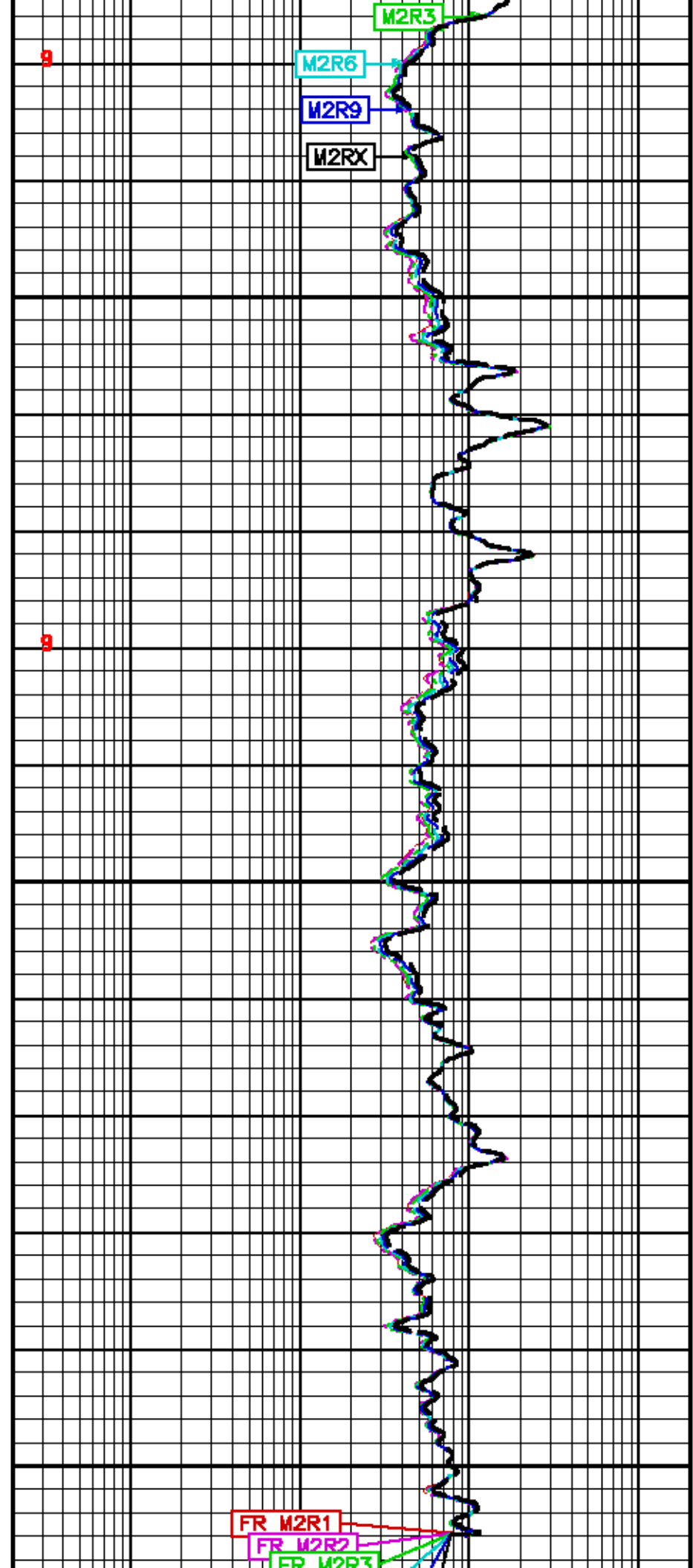
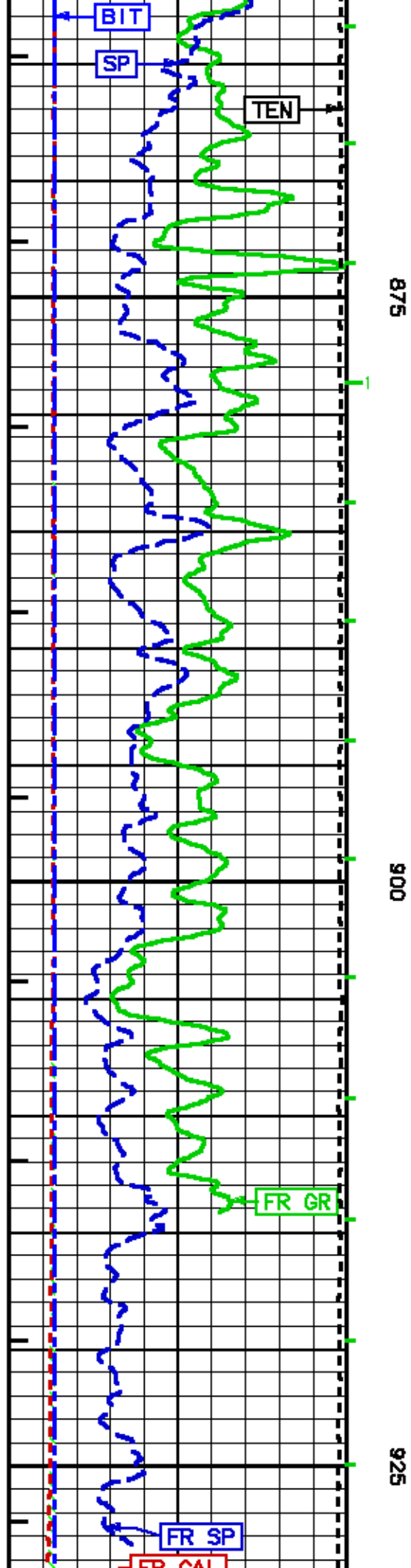
2000

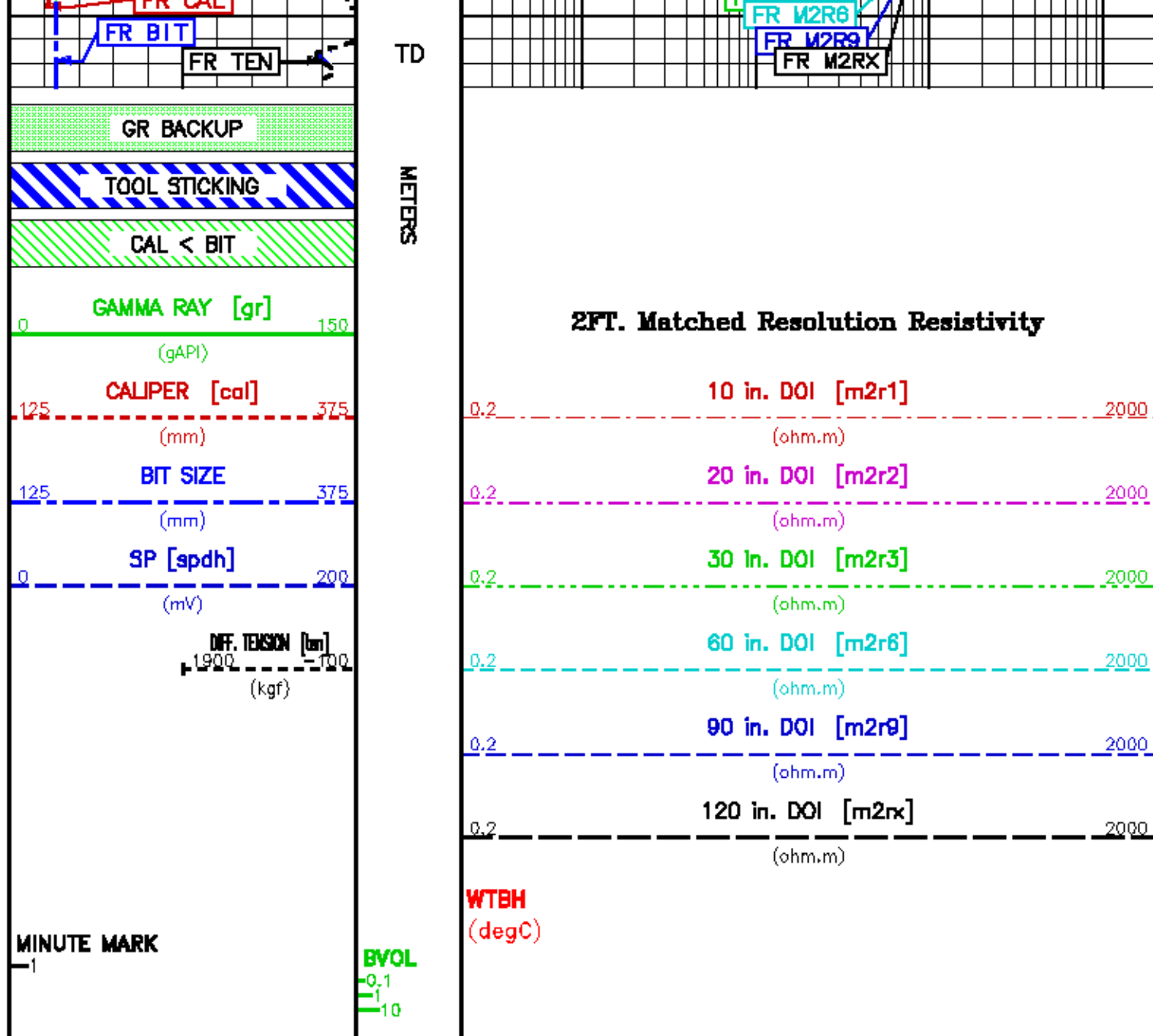
WTBH
(degC)

9

M2R1

M2R2





QUALITY CONTROL PRESENTATION

ECLIPS 5.01 Dec 17, 2003
Updates: 1,2,3,32

Perplot /main/59

Cplot 7.09
Pdf_Cpp /main/16

Tue Nov 22 12:21:51 2005
Fileview 4.67

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/pass/vul_hrc2/1777-hd3.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 293.005 m BOTTOM DEPTH: 931.104 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
TRM	FILTER ()	medium (1)		TOP
	FILTER ()	medium (1)		BOTTOM

Y AXIS CALIPER	FILTER (1)	medium (1)	''	''
TENSION	FILTER (1)	light (2)	''	''
GR	FILTER (1)	medium (1)	''	''
SP-SPDH	FILTER (1)	medium (1)	''	''

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	114.300	mm	TOP	BOTTOM
BIT SIZE	BIT SIZE	159.000	mm	''	''
BOREHOLE CORR DIAMETER	FIXED DIAMETER (mbh ^o)	159.000	mm	''	''
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (mbh ^o)	USE FIXED SIZE		''	''
MUD VALUES SOURCE	RMUD SOURCE (HDIL)	TOOL MEASURED		''	''
MUD VALUES	MUD SAMPLE TEMP	18.8	degC	''	''
	MUD SAMPLE RES	5.056	ohm.m	''	''
	MUD REFERENCE TEMP	23.8	degC	''	''
	TEMP GRADIENT	2.187	0.01 degC/m	''	''

SP CONTROL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SP CONTROL	Tool/Brittle	TOOL		TOP	BOTTOM

HDIL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
HDIL TEMPERATURE CORRECTION	TEMP CORR SOURCE	USE RXTMP		TOP	BOTTOM
ADAPTIVE BOREHOLE CORRECTION	ABC PROCESSING	ON		''	''
	ABC to CALCULATE	MUD CONDUCTIVITY		''	''
	STANDOFF	25.40	mm	''	''
	TOOL POSITION	ECCENTRICED		''	''
	Rmud MULTIPLIER	1.000		''	''
HDIL DIFF TEN LIMIT	DIFF TENSION LIMIT	500		''	''

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 22 07:13:14 2005	BIT SIZE
F1:BYOL	BYOL	Nov 22 07:13:14 2005	BOREHOLE VOLUME
F1:CAL	CAL	Nov 22 07:13:14 2005	CALIPER
F1:DEPTH	TRUE_RES_DATA	Nov 22 07:13:14 2005	SYSTEM DEPTH
F1:GR	GR	Nov 22 07:13:14 2005	GAMMA RAY
F1:MOR1	MOR1	Nov 22 07:13:14 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 10 INCH
F1:MOR2	MOR2	Nov 22 07:13:14 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 20 INCH
F1:MOR3	MOR3	Nov 22 07:13:14 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 30 INCH
F1:MOR6	MOR6	Nov 22 07:13:14 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 60 INCH
F1:MOR9	MOR9	Nov 22 07:13:14 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 90 INCH
F1:WORK	WORK	Nov 22 07:13:14 2005	TRUE FOCUSED RESISTIVITY FOR HDIL - DOI 120 INCH
F1:MMRK	MMRK	Nov 22 07:13:14 2005	MINUTE MARK
F1:QDIL	QDIL	Nov 22 07:13:14 2005	QUALITY FOR FOR DIFFERENTIAL TENSION PULLS FOR HDIL
F1:SPDH	SP	Nov 22 07:13:14 2005	SPONTANEOUS POTENTIAL PROCESSED IN COMMON REMOTE
F1:TEN	TEN	Nov 22 07:13:14 2005	DIFFERENTIAL TENSION
F1:WTBH		Nov 22 07:13:14 2005	TEMPERATURE OF THE BOREHOLE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	MOR1	2.44	MOR6	2.44	QDIL	3.66
CAL	0.00	MOR2	2.44	MOR9	2.44	SPDH	4.27
GR	18.21	MOR3	2.44	WORK	2.44	TEN	0.00

Presentation : opul:/data/pass/vul_hro2/hdil_gp.pdf [1:240 Scale]
 Plot Interval : 270.967 - 953 Meters

Data File 1 : F1 : opul:/data/pass/vul_hro2/1777Jx03.xtf
 Created On : Nov 22 07:13:14 2005
 Company : VULCAN MINERALS INC.
 Well : HURRICANE #2 (WHIP #1)
 Field : BAY ST. GEORGE
 File Interval : 270.967 - 951.164 Meters
 Out : 1777Jx

GR BACKUP

TOOL STICKING

CAL < BIT

GAMMA RAY [gr]

0 150

(gAPI)

CALIPER [cal]

125 375

(mm)

BIT SIZE

125 375

(mm)

SP [spdh]

0 200

(mV)

DIFF. TENSION [tm]
3600 400
(kgf)

MINUTE MARK

1

BVOL

0.1
1
10

METERS

275

QC PLOT ONLY

HDIL Overpull - QHDL Flag

True Resolution Resistivity

10 in. DOI [m0r1]

0.2 2000

(ohm.m)

20 in. DOI [m0r2]

0.2 2000

(ohm.m)

30 in. DOI [m0r3]

0.2 2000

(ohm.m)

60 in. DOI [m0r6]

0.2 2000

(ohm.m)

90 in. DOI TRF [m0r9]

0.2 2000

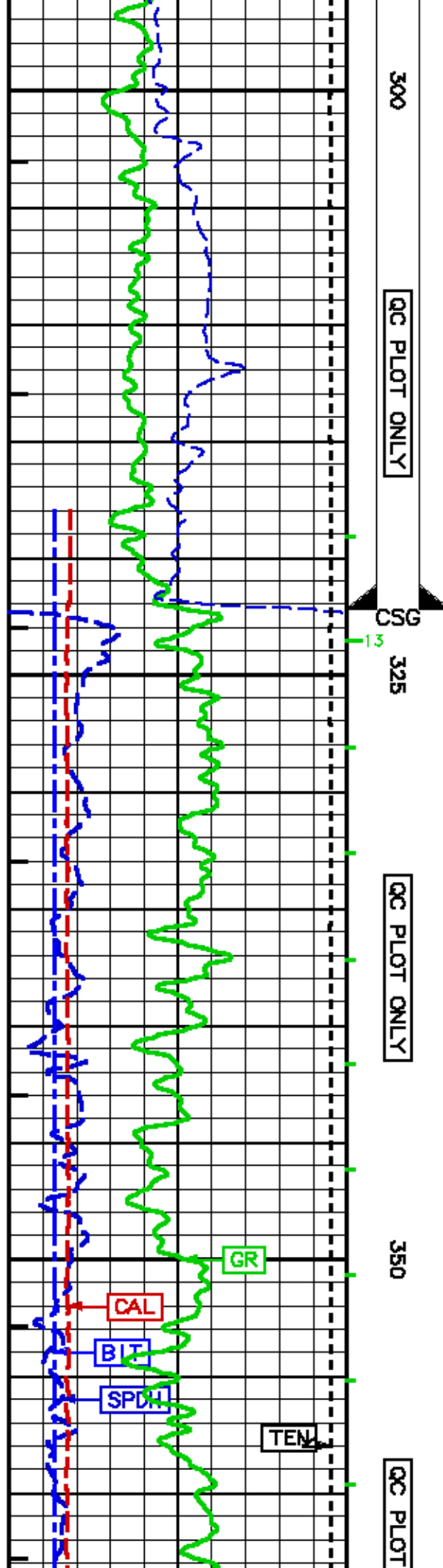
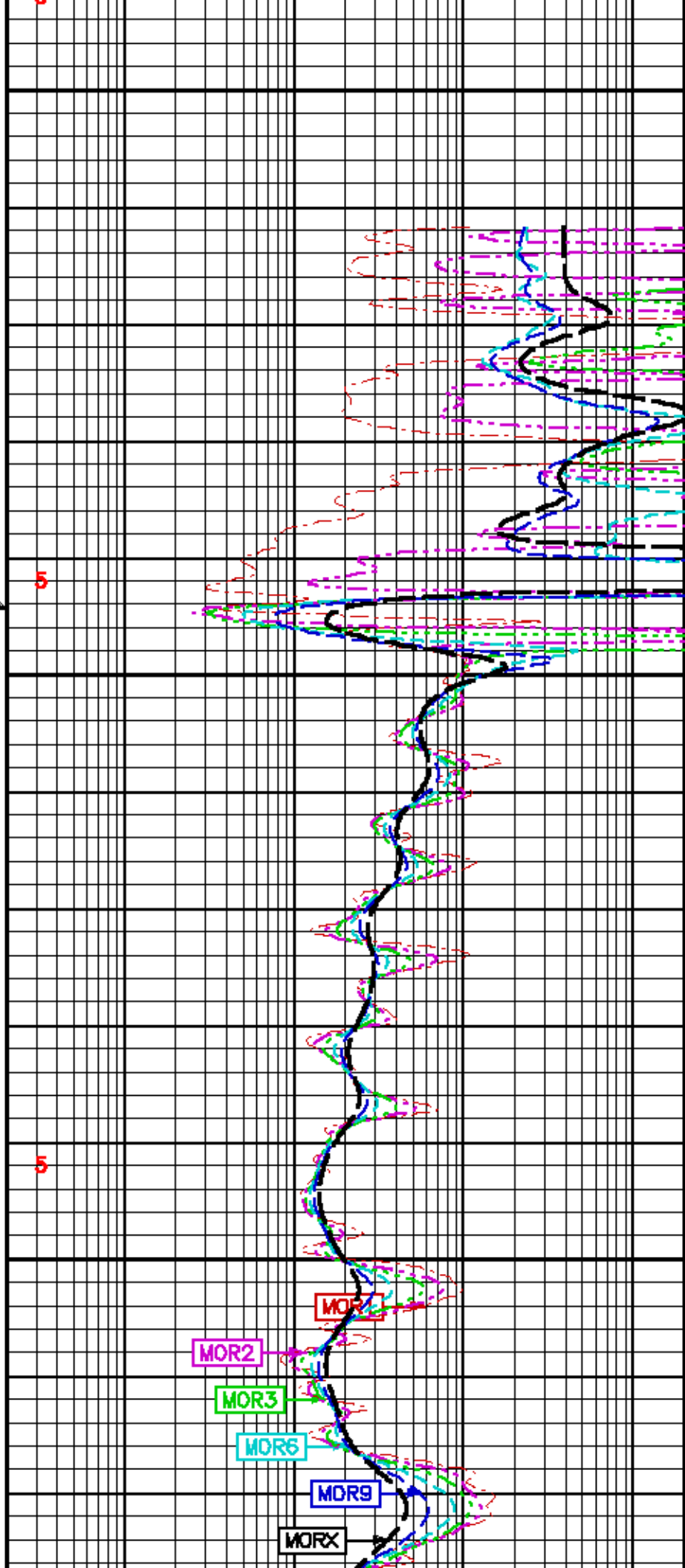
(ohm.m)

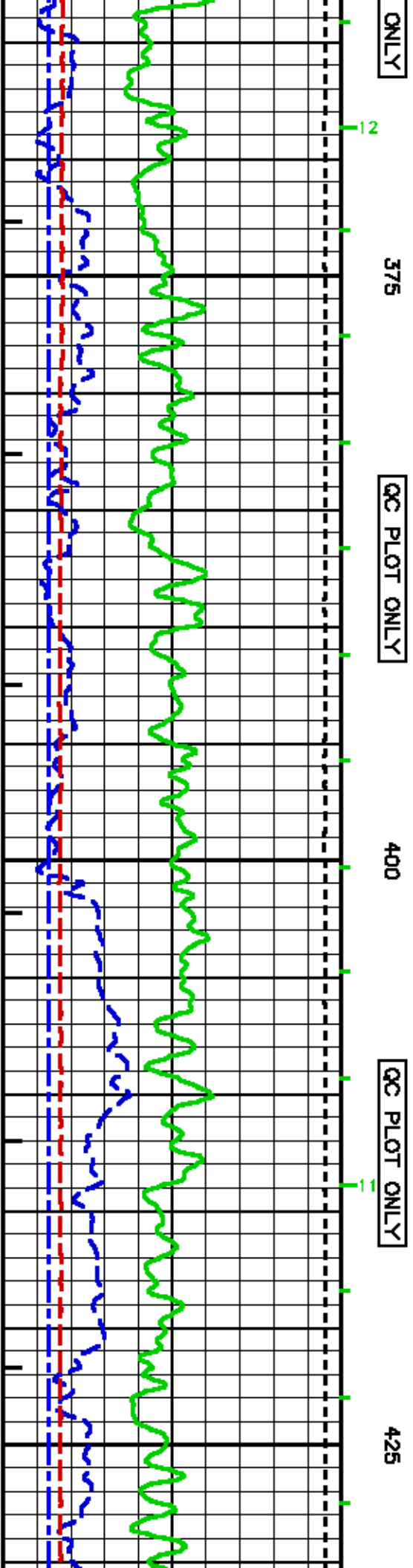
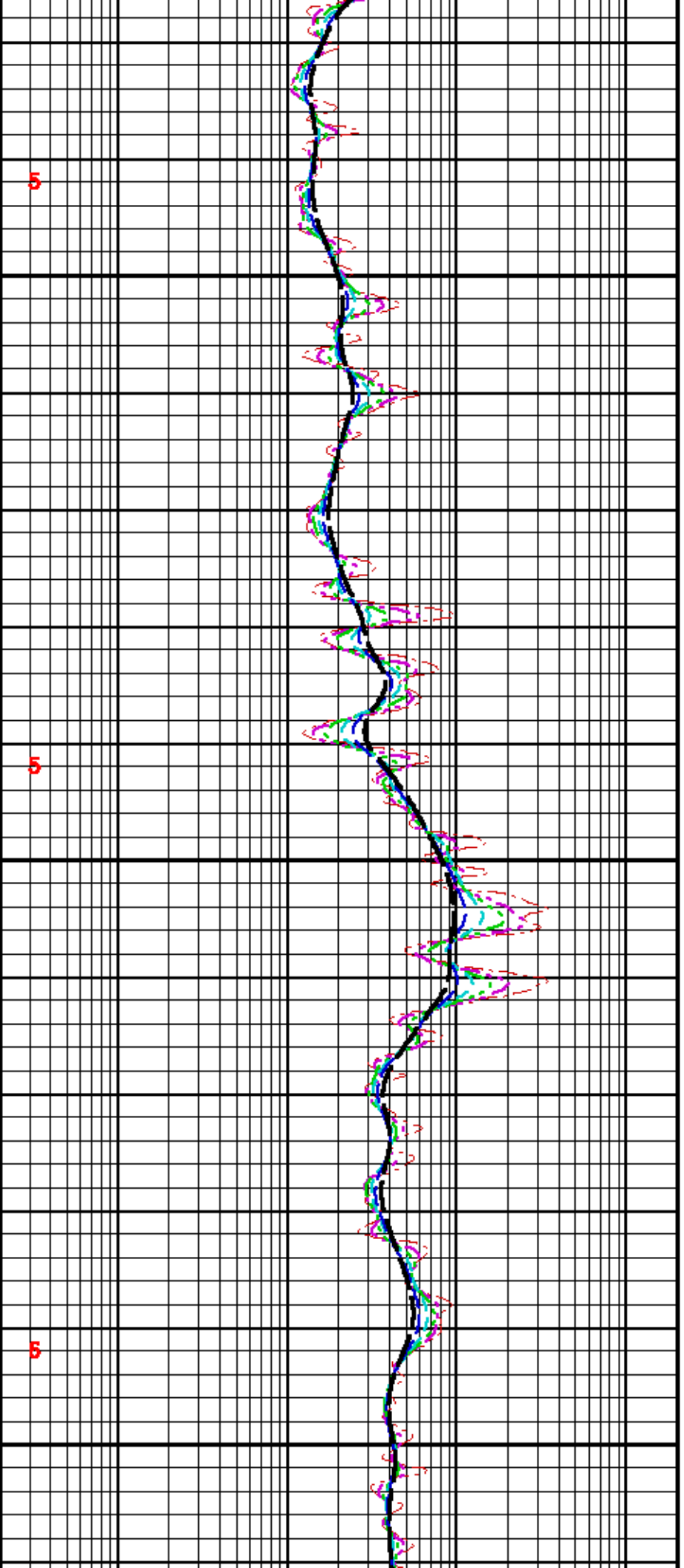
120 in. DOI [m0rx]

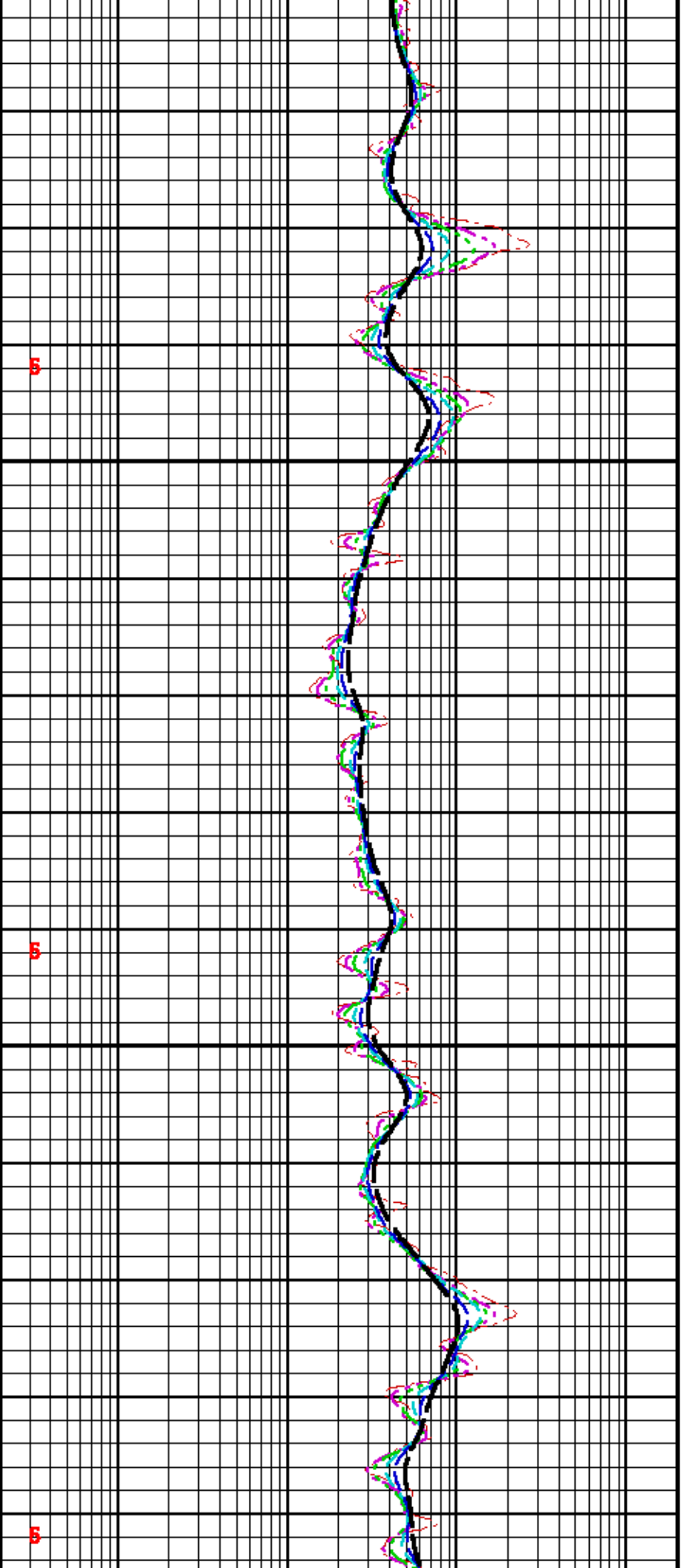
0.2 2000

(ohm.m)

WTBH
(degC)







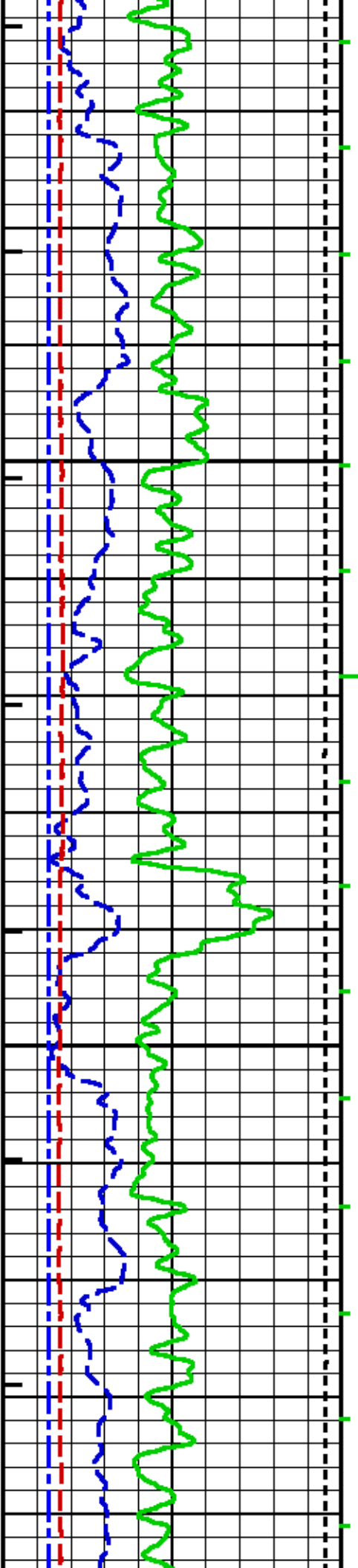
QC PLOT ONLY

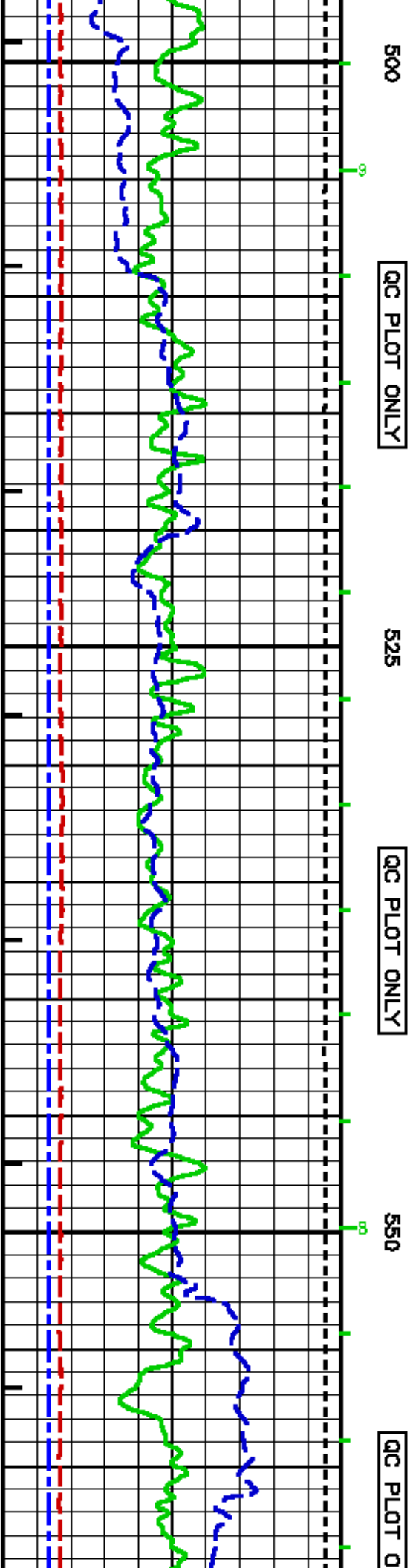
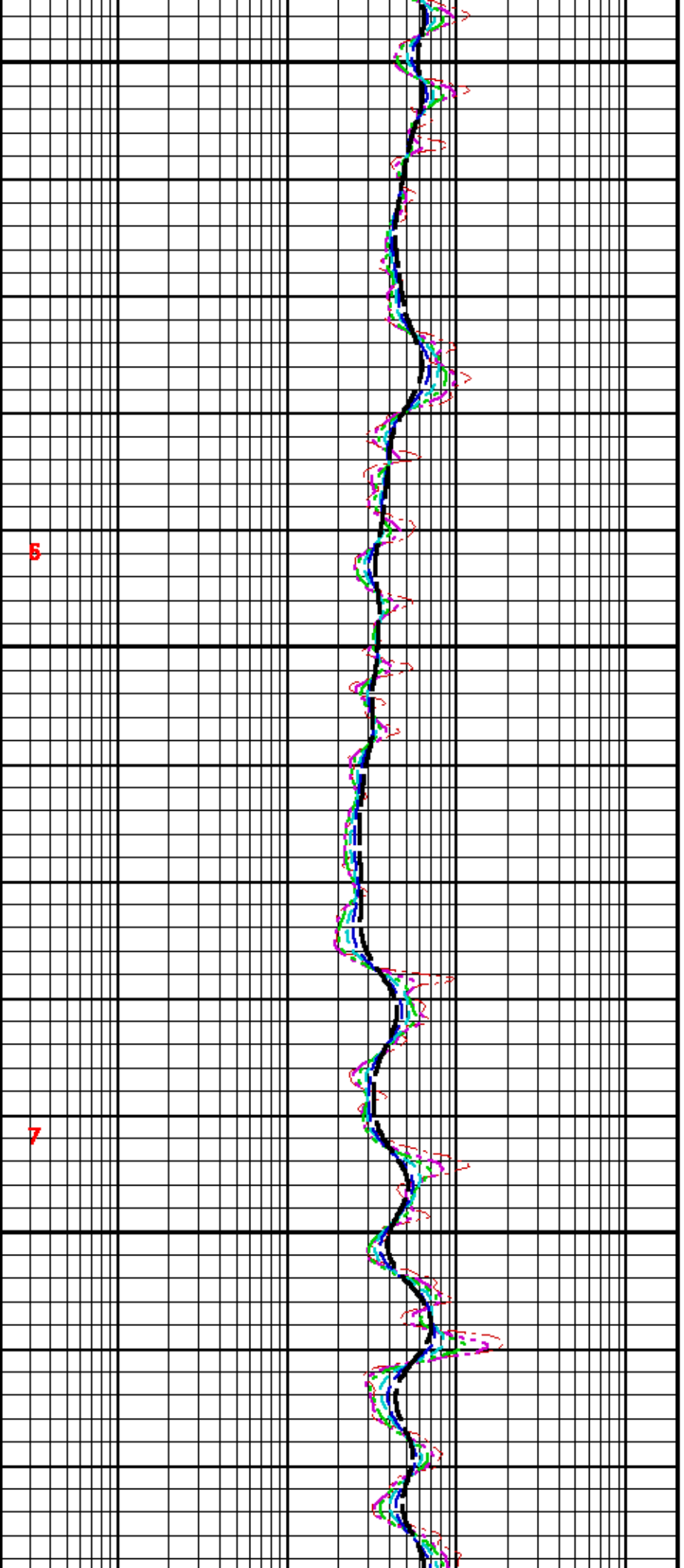
450

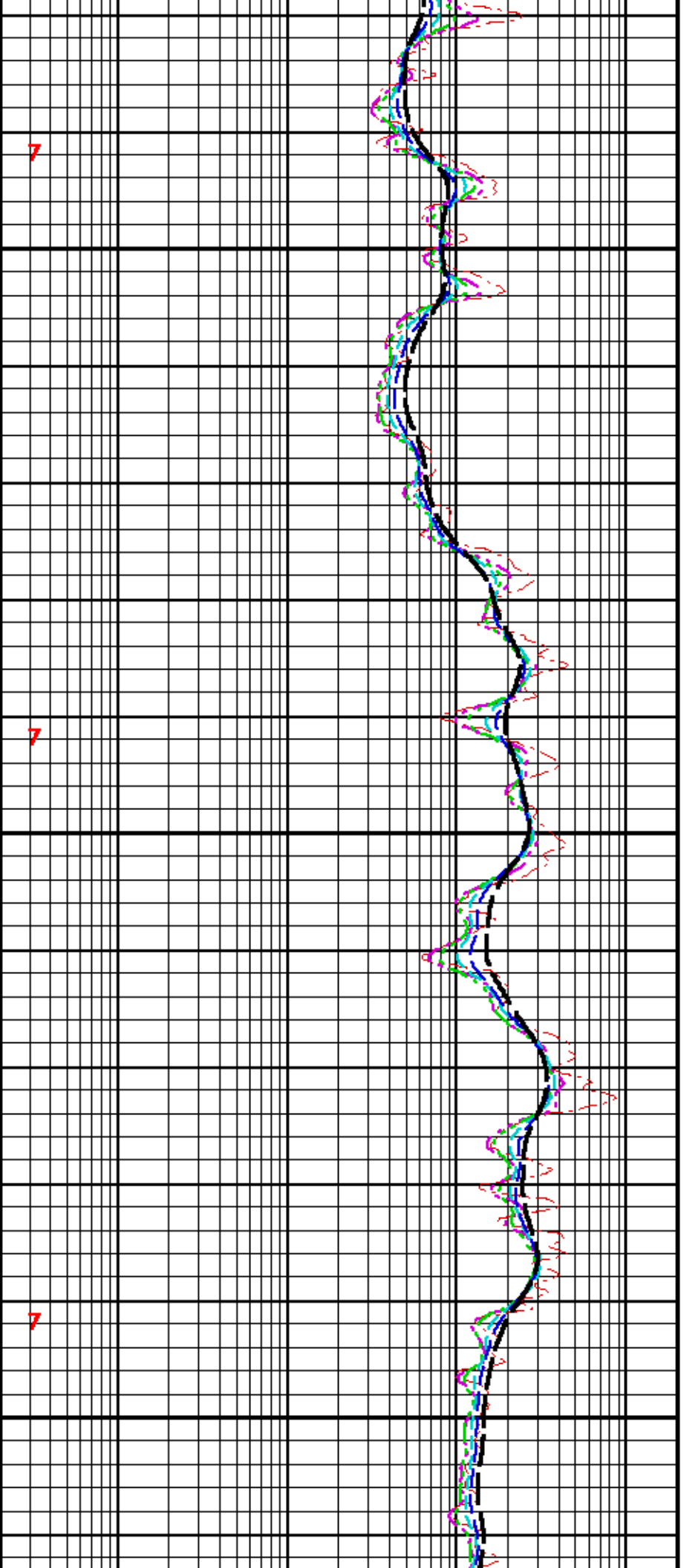
QC PLOT ONLY

475

QC PLOT ONLY







NLY

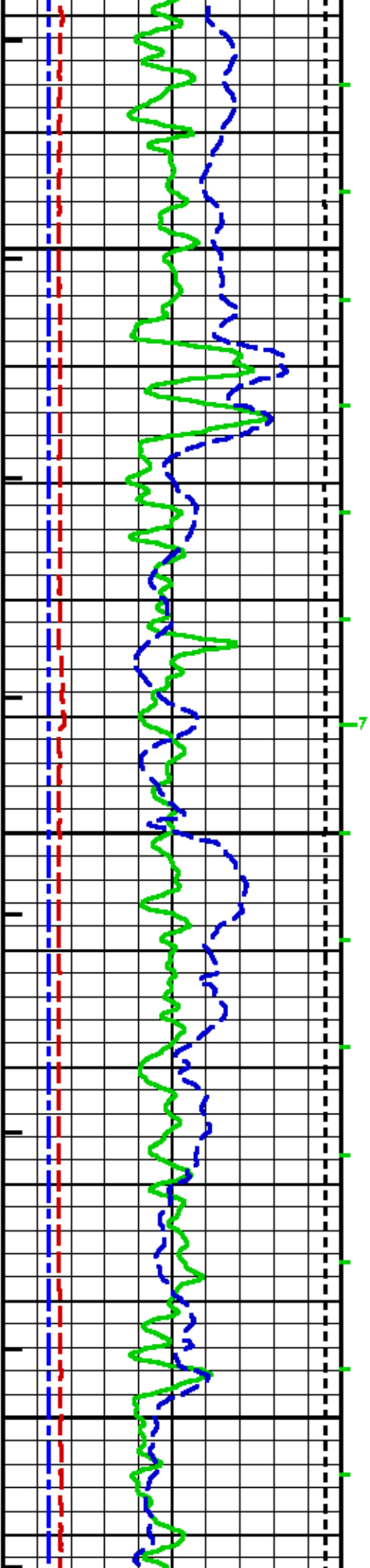
575

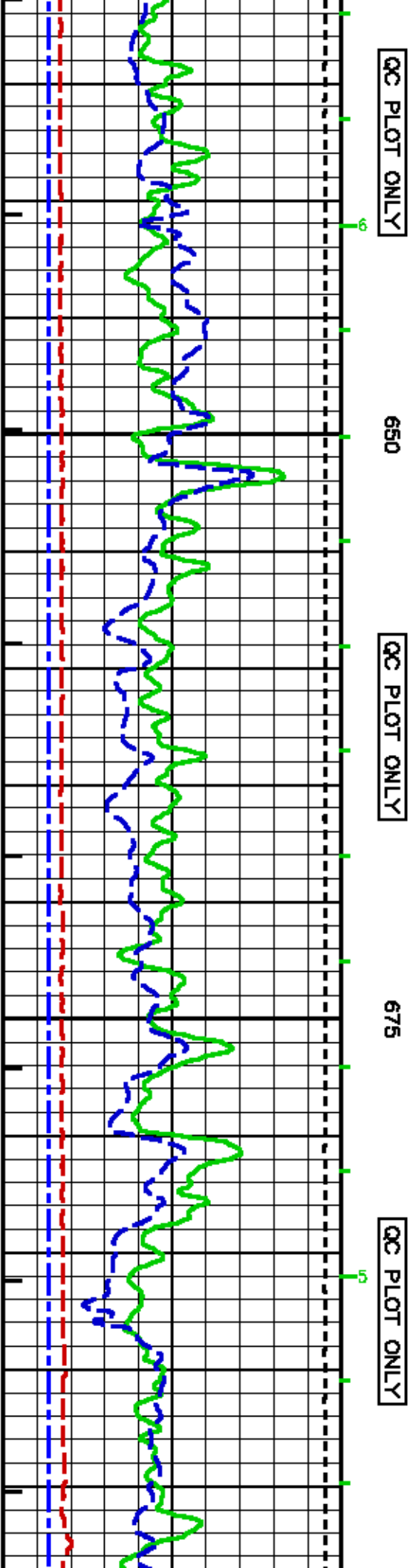
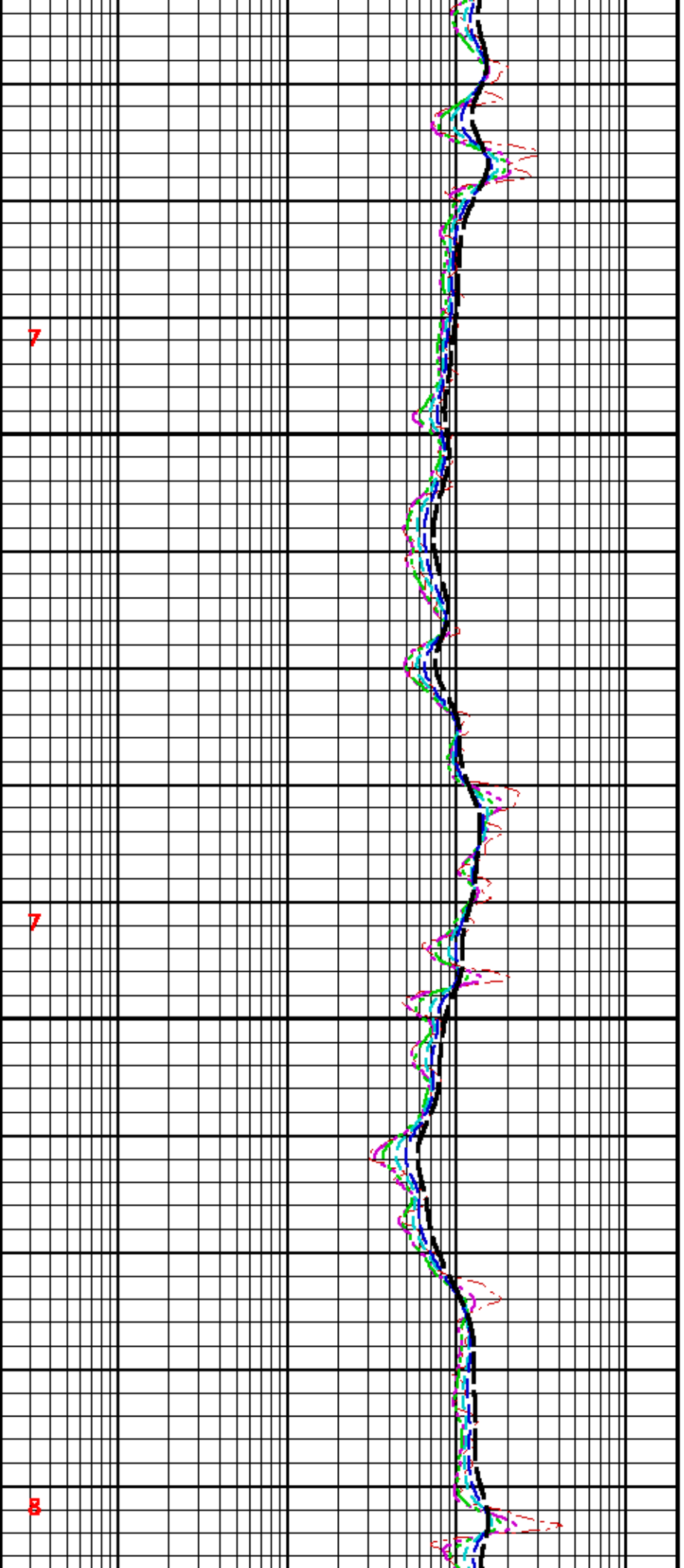
QC PLOT ONLY

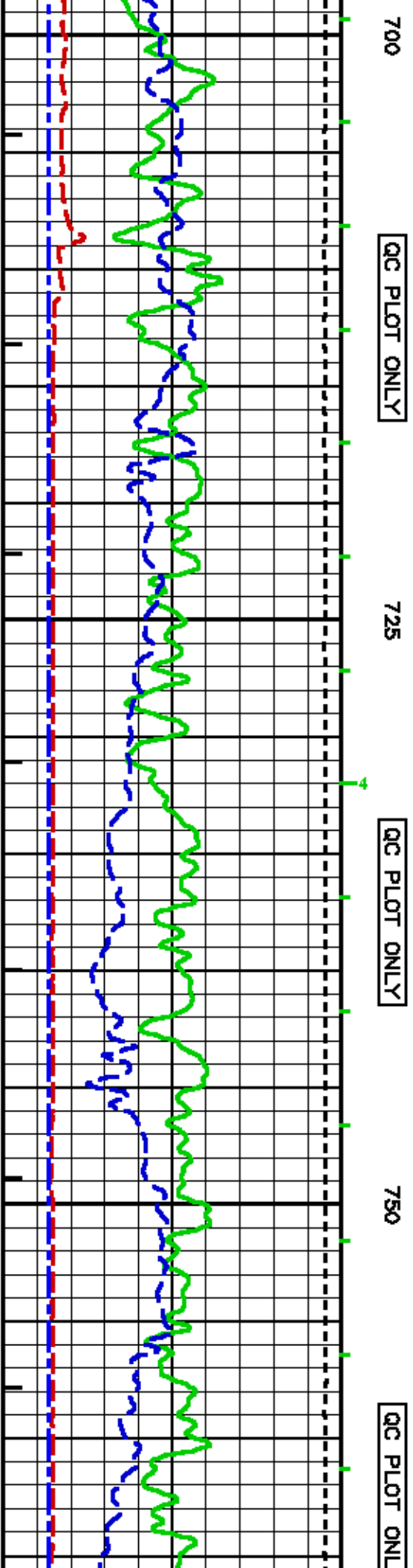
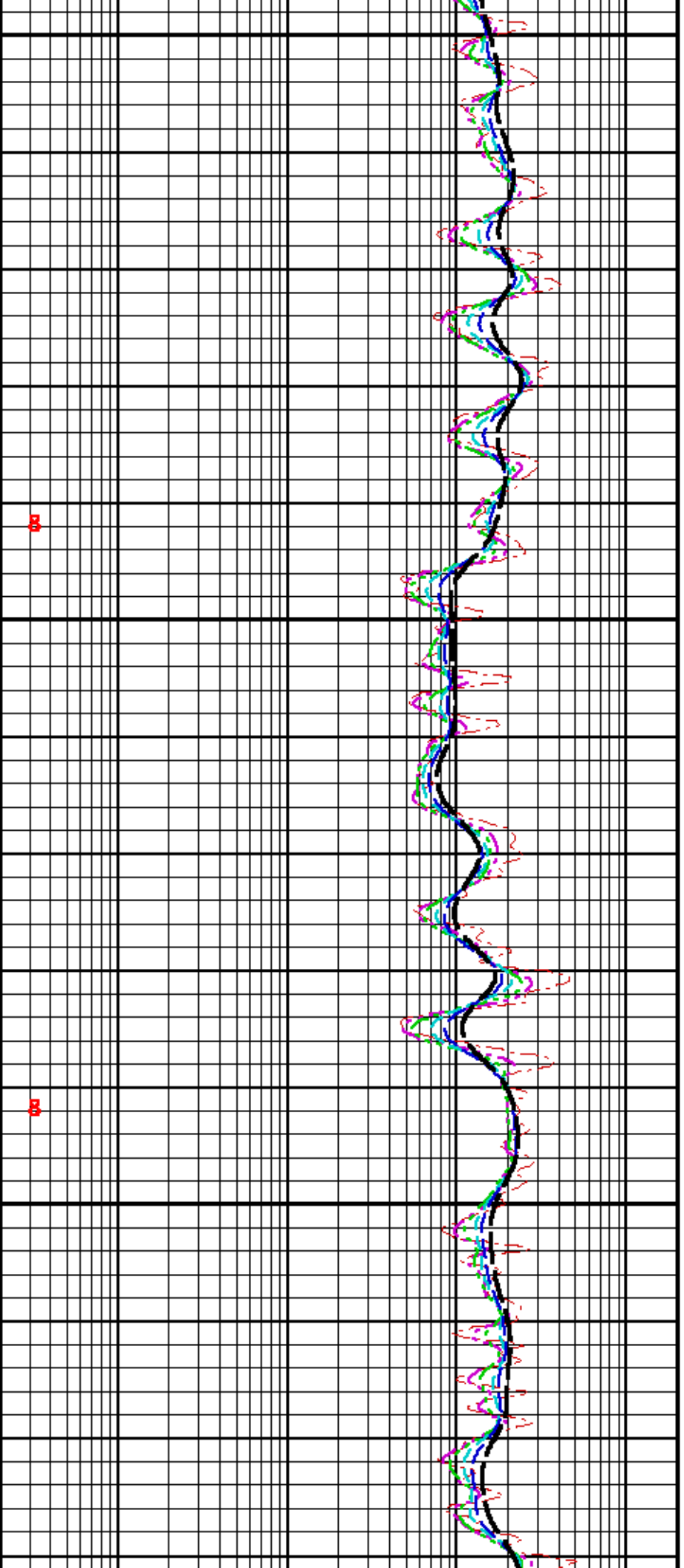
600

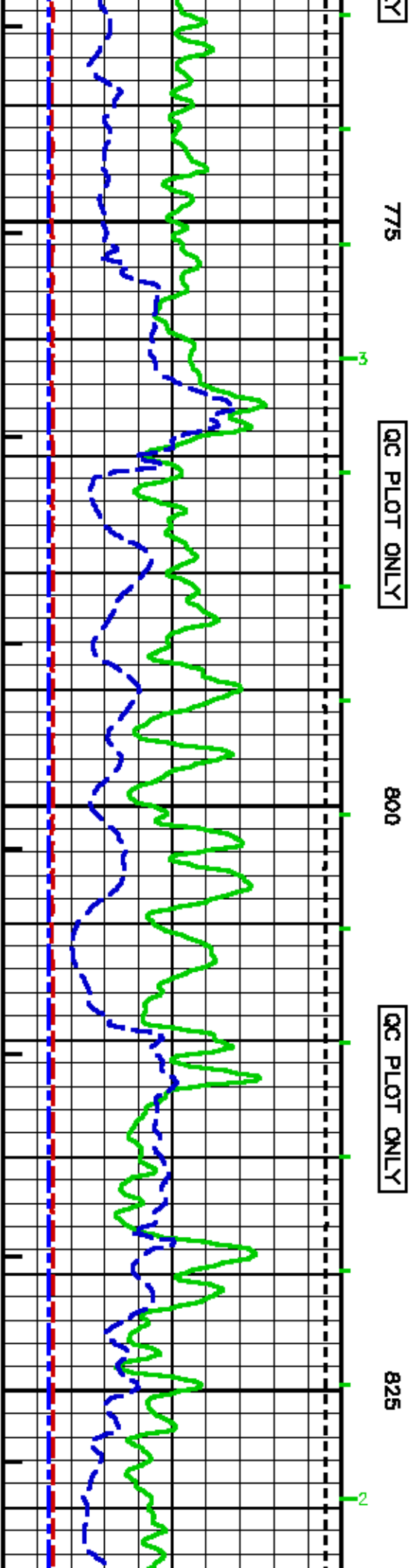
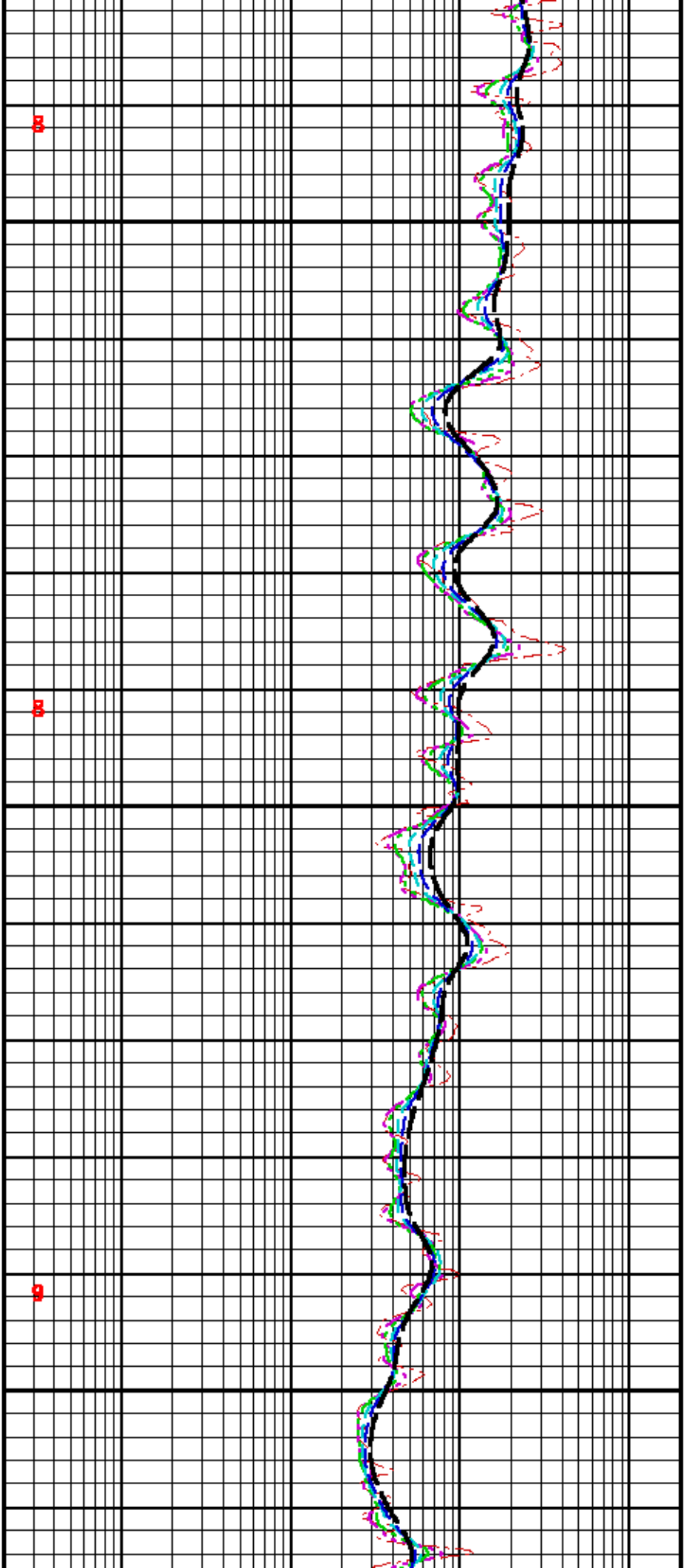
QC PLOT ONLY

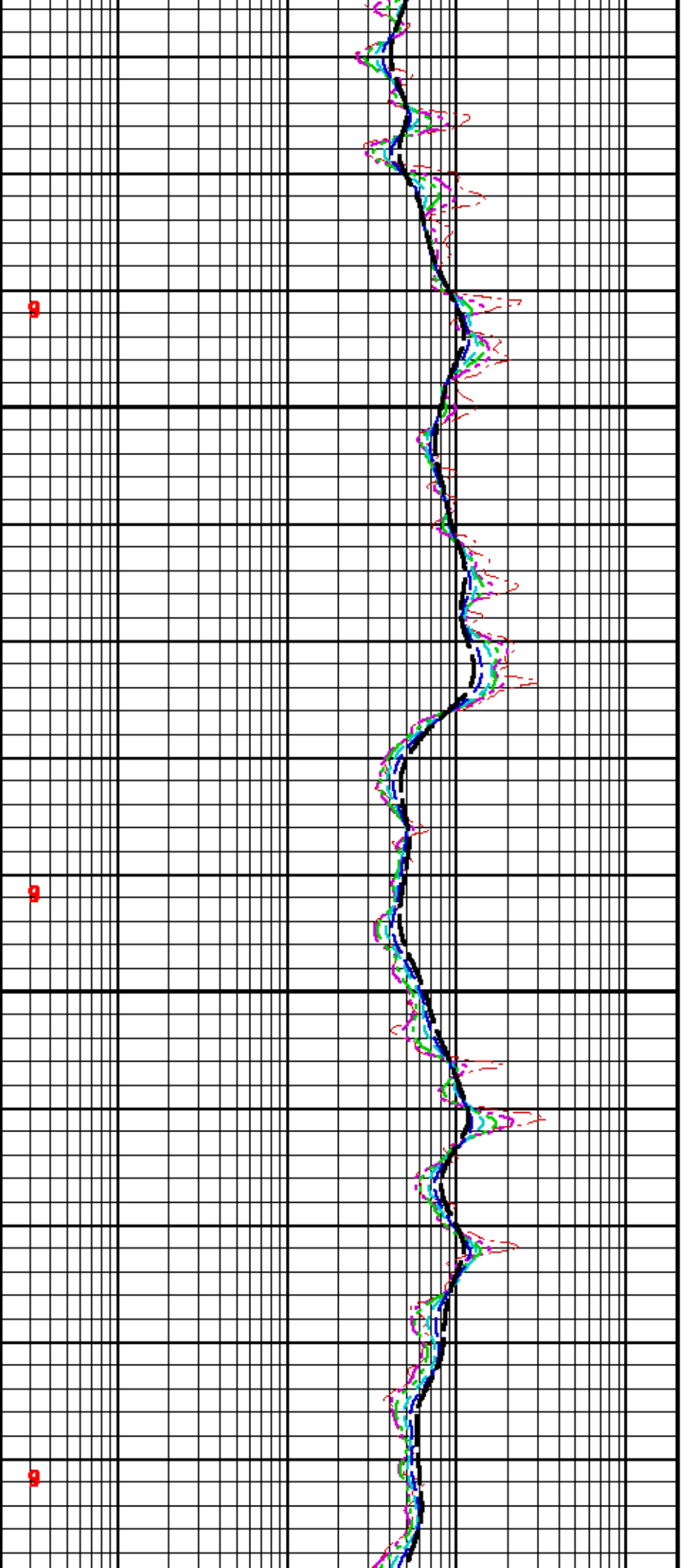
625











QC PLOT ONLY

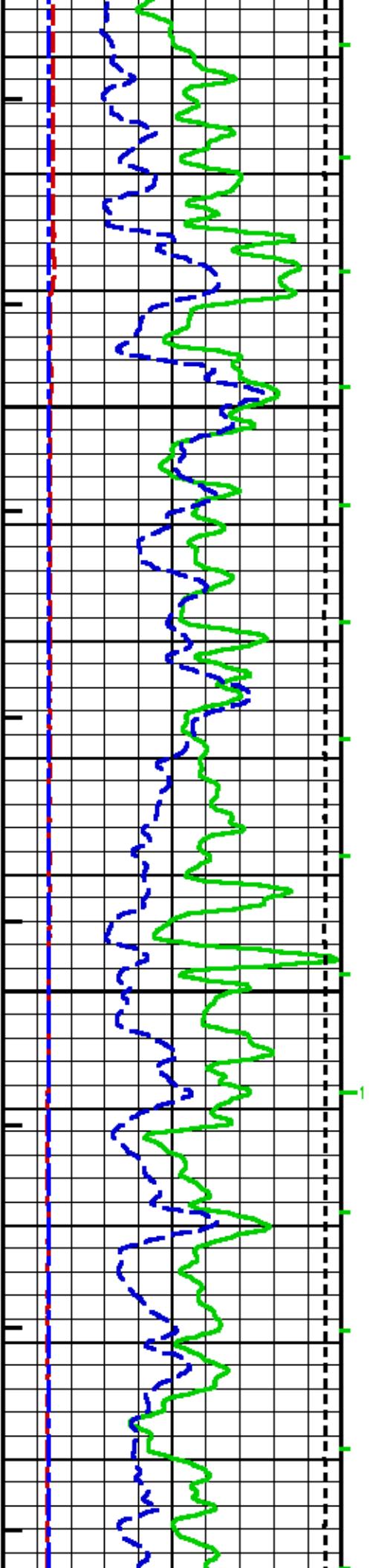
850

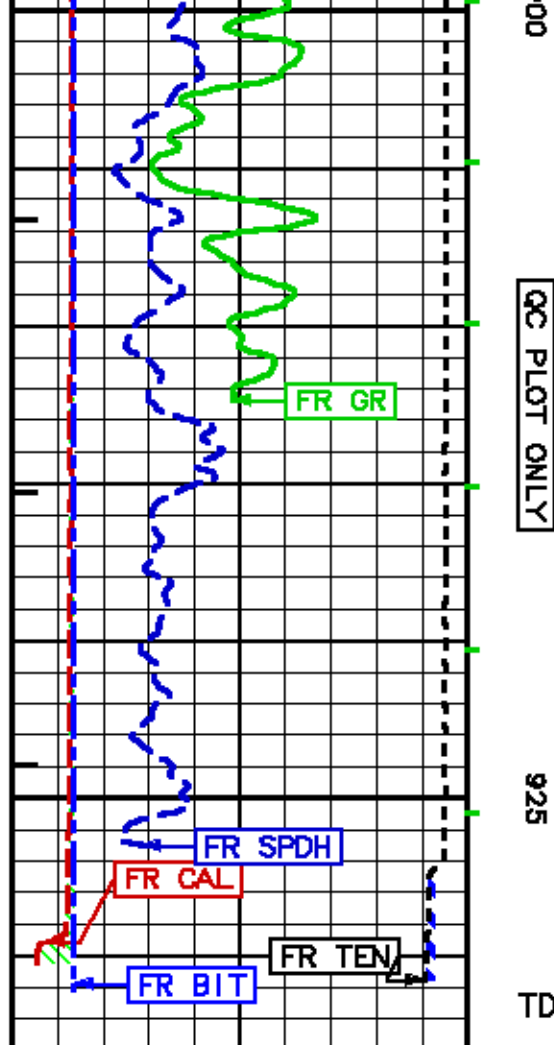
QC PLOT ONLY

875

QC PLOT ONLY

9





GR BACKUP

TOOL STICKING

CAL < BIT

GAMMA RAY [gr]

(gAPI)

CALIPER [cal]

(mm)

BIT SIZE

(mm)

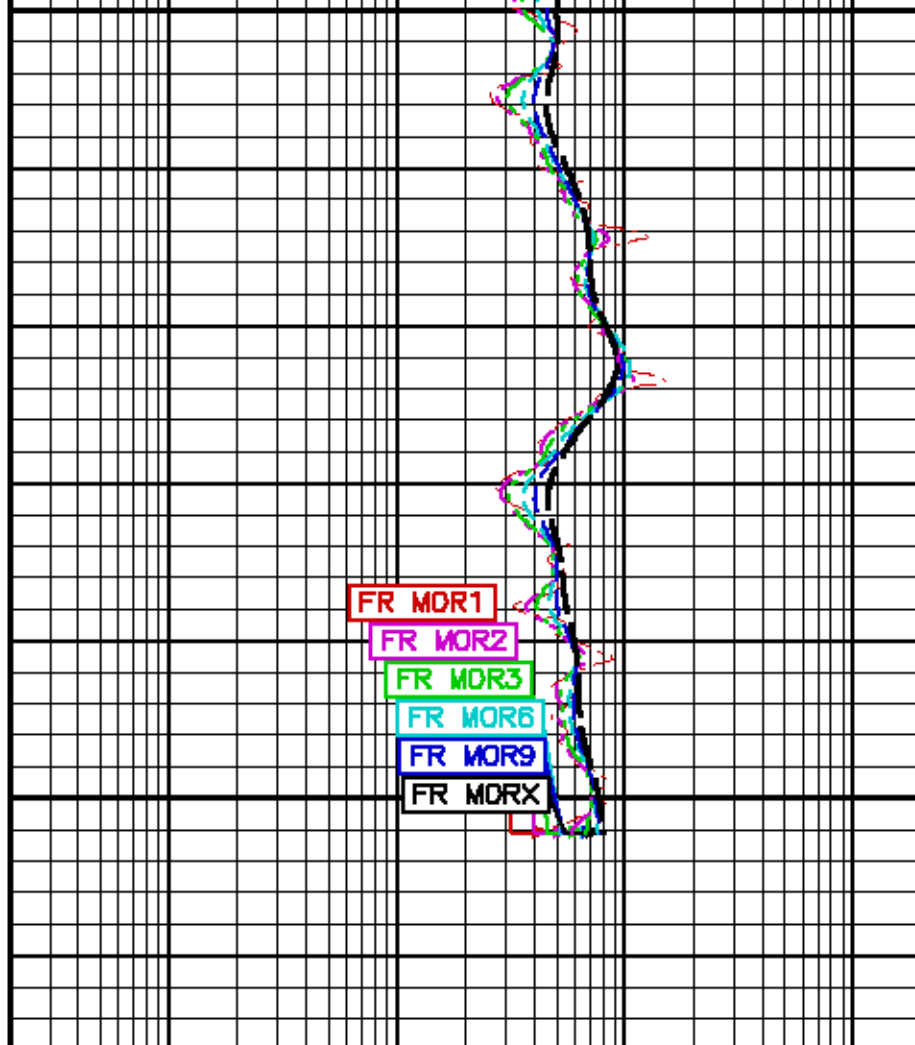
SP [spdh]

(mV)

DIFF. TENSION [ton]

(kgf)

METERS



HDIL Overpull - QHDL Flag

True Resolution Resistivity

10 in. DOI [m0r1]

0.2 2000

(ohm.m)

20 in. DOI [m0r2]

0.2 2000

(ohm.m)

30 in. DOI [m0r3]

0.2 2000

(ohm.m)

60 in. DOI [m0r6]

0.2 2000

(ohm.m)

90 in. DOI TRF [m0r9]

0.2 2000

(ohm.m)

120 in. DOI [m0rx]

0.2 2000

(ohm.m)

MINUTE MARK

WIBH
(degC)

BVOL

0.1
1
10**CALIBRATION / VERIFICATION SUMMARY**

Source File: /dallia/pam/vul_jrc2/1777x.jp1

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Sat Apr 9 15:00:41 2005

UNIT #: 3880SA HL8616

CALB JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	CALBTR (gAPI)
GR	376.60	1256.29	879.7	0.171	64.22	214.22	150
			870.0 980.0				

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Thu May 12 07:25:21 2005

UNIT #: 3807TA 008616

VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	DIFF. (gAPI)
GR	50.80	966.18	0.171	8.66	164.75	156.09
						148.00 168.00

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Tue Nov 22 00:59:12 2005

UNIT #: 3807TA 008616

VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	DIFF. (gAPI)
GR	252.91	1219.07	0.171	43.13	207.87	164.74
						148.09 168.09

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 153172

DATE/TIME PERFORMED: Tue Nov 22 08:41:40 2005

UNIT #: 3807TA 008616 VERI JIG #: 4702NK 01-304

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	173.93	1092.96	0.171	29.66	186.37	156.71
						154.74 174.74

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Fri Sep 23 18:29:49 2005

UNIT #: 3807TA 008616

	SMALL RING (row)	LARGE RING (row)	MULT	ADD	SMALL RING (mm)	LARGE RING (mm)
CALIPER	1415.0	2361.5	0.16101	-75.43520	152.400	304.800

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Tue Nov 22 09:52:29 2005

UNIT #: 3807TA 008616

	I.D. (row)	MULT	ADD	I.D. (mm)
CALIPER	1542.2	0.16101	-81.71619	166.600

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2228MA 153038

DATE/TIME PERFORMED: Tue Nov 22 11:43:41 2005

UNIT #: 3807TA 008616

	I.D. (row)	MULT	ADD	I.D. (mm)
CALIPER	1564.2	0.16101	-81.71619	170.142
				153.900 179.300

HDIL PRIMARY CALIBRATION SUMMARY

TOOL #: 1515MA 167593

DATE/TIME PERFORMED: Wed Apr 20 10:51:49 2005

ZERO DATA(mv) 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 R	-0.001 -0.200 0.200	-0.002 -0.100 0.100	-0.001 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.006 -0.100 0.100
Coil 0 Q	0.010 -1.000 1.000	0.011 -0.200 0.200	0.002 -0.100 0.100	0.002 -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
Coil 1 R	0.003 -0.200 0.200	0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.005 -0.100 0.100	-0.008 -0.100 0.100	-0.006 -0.100 0.100	-0.002 -0.100 0.100	-0.001 -0.100 0.100
Coil 1 Q	0.004 -1.000 1.000	0.006 -0.200 0.200	0.004 -0.100 0.100	0.003 -0.100 0.100	-0.000 -0.100 0.100	-0.003 -0.100 0.100	-0.006 -0.100 0.100	-0.005 -0.100 0.100
Coil 2 R	0.001 -0.200 0.200	0.003 -0.100 0.100	-0.002 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100	0.000 -0.100 0.100	0.000 -0.100 0.100
Coil 2 Q	-0.009 -1.000 1.000	-0.006 -0.200 0.200	0.000 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.002 -0.100 0.100	-0.005 -0.100 0.100	-0.002 -0.100 0.100
Coil 3 R	0.001 -0.100 0.100	0.001 -0.100 0.100	-0.008 -0.100 0.100	-0.006 -0.100 0.100	-0.007 -0.100 0.100	-0.004 -0.100 0.100	-0.002 -0.100 0.100	-0.003 -0.100 0.100
Coil 3 Q	0.033 -0.500 0.500	0.006 -0.200 0.200	0.009 -0.100 0.100	0.005 -0.100 0.100	-0.000 -0.100 0.100	-0.001 -0.100 0.100	-0.007 -0.100 0.100	-0.006 -0.100 0.100
Coil 4 R	-0.003 -0.200 0.200	-0.010 -0.200 0.200	-0.019 -0.200 0.200	-0.023 -0.200 0.200	-0.020 -0.200 0.200	-0.012 -0.200 0.200	-0.002 -0.200 0.200	0.006 -0.200 0.200
Coil 4 Q	0.089 -1.000 1.000	0.036 -0.400 0.400	0.019 -0.200 0.200	0.006 -0.200 0.200	-0.005 -0.200 0.200	-0.011 -0.200 0.200	-0.010 -0.200 0.200	-0.016 -0.200 0.200
Coil 5 R	-0.013 -0.400 0.400	-0.014 -0.400 0.400	-0.011 -0.400 0.400	-0.003 -0.400 0.400	-0.014 -0.400 0.400	-0.021 -0.400 0.400	-0.027 -0.400 0.400	-0.015 -0.400 0.400
Coil 5 Q	0.140 -2.000 2.000	0.046 -0.800 0.800	0.024 -0.400 0.400	0.024 -0.400 0.400	0.016 -0.400 0.400	0.021 -0.400 0.400	0.010 -0.400 0.400	0.015 -0.400 0.400
Coil 6 R	-0.022 -1.000 1.000	-0.044 -1.000 1.000	-0.032 -1.000 1.000	-0.052 -1.000 1.000	-0.025 -1.000 1.000	-0.005 -1.000 1.000	-0.018 -1.000 1.000	-0.014 -1.000 1.000
Coil 6 Q	0.210 -6.000 6.000	0.063 -2.000 2.000	0.035 -1.000 1.000	-0.007 -1.000 1.000	-0.019 -1.000 1.000	0.002 -1.000 1.000	-0.004 -1.000 1.000	-0.009 -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	123.62 100.00 150.00	122.63 100.00 150.00	120.65 98.00 150.00	117.87 98.00 140.00	114.11 92.00 140.00	109.37 87.00 130.00	103.65 82.00 120.00	97.24 76.00 110.00
Coil 0 P	7.081 8.000 9.000	22.327 19.000 26.000	37.359 32.000 47.000	52.386 44.000 68.000	67.505 57.000 85.000	82.625 70.000 100.000	97.815 82.000 120.000	112.867 95.000 140.000
Coil 1 M	218.53 180.00 270.00	215.80 180.00 270.00	210.43 170.00 280.00	203.18 170.00 250.00	193.92 180.00 250.00	183.06 180.00 230.00	170.74 150.00 220.00	157.57 140.00 200.00
Coil 1 P	7.763 8.000 9.000	24.387 19.000 26.000	40.649 32.000 48.000	56.767 45.000 67.000	72.795 57.000 86.000	88.654 70.000 110.000	104.380 83.000 120.000	119.745 96.000 140.000
Coil 2 M	433.80 380.00 540.00	429.02 380.00 540.00	419.52 350.00 530.00	407.26 340.00 510.00	390.92 330.00 500.00	371.55 310.00 470.00	349.18 300.00 440.00	324.52 270.00 410.00
Coil 2 P	7.777 8.000 9.000	24.434 19.000 29.000	40.776 32.000 48.000	57.024 45.000 67.000	73.269 58.000 87.000	89.442 71.000 110.000	105.627 84.000 130.000	121.639 96.000 140.000
Coil 3 M	739.96 590.00 880.00	733.10 580.00 870.00	719.60 570.00 850.00	701.03 560.00 830.00	675.87 530.00 800.00	644.36 500.00 780.00	606.58 470.00 710.00	563.53 440.00 650.00
Coil 3 P	7.789 8.000 10.000	24.392 20.000 29.000	40.785 33.000 49.000	57.164 46.000 69.000	73.664 59.000 89.000	90.187 72.000 110.000	106.826 85.000 130.000	123.339 96.000 150.000
Coil 4 M	1132.3 900.0 1400.0	1122.2 900.0 1300.0	1101.6 900.0 1300.0	1073.6 850.0 1300.0	1034.4 800.0 1200.0	986.3 800.0 1200.0	927.6 750.0 1100.0	861.7 700.0 1000.0
Coil 4 P	7.904 8.000 10.000	24.822 20.000 30.000	41.511 33.000 50.000	58.195 46.000 70.000	74.994 60.000 90.000	91.852 73.000 110.000	108.774 86.000 130.000	125.564 99.000 150.000
Coil 5 M	2297.1 1900.0 2800.0	2272.2 1800.0 2600.0	2222.6 1800.0 2700.0	2155.8 1800.0 2800.0	2066.9 1700.0 2500.0	1960.2 1600.0 2400.0	1836.0 1500.0 2200.0	1697.5 1400.0 2100.0

Coil 5 P	8.269 8.000 10.000	25.947 20.000 31.000	43.339 34.000 51.000	60.645 48.000 72.000	77.999 62.000 93.000	95.298 76.000 110.000	112.619 89.000 130.000	129.733 100.000 160.000
Coil 6 M	5850.7 4700.0 7100.0	5806.8 4700.0 7000.0	5717.0 4600.0 6900.0	5594.3 4400.0 6800.0	5418.0 4200.0 6400.0	5193.2 4000.0 6000.0	4911.8 3700.0 5800.0	4581.0 3400.0 5100.0
Coil 6 P	8.185 7.000 10.000	25.707 22.000 32.000	43.044 36.000 54.000	60.432 51.000 78.000	78.059 65.000 98.000	95.797 80.000 120.000	113.748 94.000 140.000	131.634 110.000 160.000

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

Coil 0 R	507 -200 800	-119 -500 100	-207 -600 0	-236 -600 0	-247 -500 0	-249 -500 0	-248 -500 0	-246 -500 0
Coil 0 Q	2156 -3000 6000	806 -1000 2000	464 -1000 1200	293 -500 800	184 -400 600	104 -400 500	42 -400 400	-7 -400 300
Coil 1 R	555 450 650	69 20 115	6 -30 45	-16 -50 20	-27 -55 0	-33 -60 0	-36 -60 0	-38 -60 0
Coil 1 Q	990 0 2500	415 0 900	261 0 800	188 0 400	145 0 300	116 0 250	94 0 200	78 0 200
Coil 2 R	189.9 140.0 230.0	27.7 0.0 51.0	7.4 -10.0 25.0	0.5 -15.0 15.0	-2.7 -18.0 10.0	-4.5 -18.0 7.0	-5.4 -18.0 5.0	-5.9 -18.0 3.0
Coil 2 Q	477.2 -200.0 1000.0	190.5 0.0 350.0	123.2 0.0 280.0	94.3 0.0 180.0	78.8 0.0 130.0	69.9 0.0 110.0	64.3 0.0 100.0	61.4 0.0 90.0
Coil 3 R	54.0 37.0 62.0	8.4 0.0 12.0	2.3 -3.0 8.0	0.3 -4.0 4.0	-0.8 -5.0 2.0	-1.2 -5.0 1.0	-1.3 -6.0 1.0	-2.2 -6.0 1.0
Coil 3 Q	85.6 -140.0 280.0	40.3 -40.0 100.0	30.4 -20.0 70.0	27.5 -10.0 60.0	27.1 -10.0 50.0	27.8 -10.0 50.0	29.7 -10.0 50.0	32.3 -10.0 50.0
Coil 4 R	12.97 5.00 18.00	1.84 -1.00 4.00	0.29 -2.00 2.00	-0.32 -2.20 2.00	-0.62 -2.50 2.00	-0.74 -3.00 2.00	-0.85 -3.00 2.00	-0.92 -4.00 2.00
Coil 4 Q	23.78 -100.00 100.00	14.59 -30.00 50.00	14.99 -20.00 40.00	17.25 -10.00 40.00	20.21 -10.00 40.00	23.57 -10.00 45.00	27.10 -10.00 50.00	30.46 -10.00 60.00
Coil 5 R	2.44 -2.00 5.80	-0.68 -3.20 2.40	-1.28 -4.50 3.10	-1.60 -4.70 3.20	-1.69 -4.80 3.20	-1.72 -5.00 3.30	-1.98 -5.20 3.40	-1.84 -5.40 3.50
Coil 5 Q	8.26 -60.00 70.00	8.38 -20.00 30.00	11.78 -20.00 30.00	15.60 -20.00 35.00	19.66 -20.00 45.00	23.96 -20.00 50.00	28.19 -20.00 60.00	32.71 -30.00 70.00
Coil 6 R	-1.59 -4.80 1.00	-1.92 -5.70 3.80	-2.36 -6.50 4.90	-2.55 -6.90 5.40	-2.66 -7.30 5.80	-2.76 -7.50 6.00	-2.94 -7.70 6.10	-3.10 -7.90 6.30
Coil 6 Q	-5.62 -30.00 30.00	4.27 -20.00 25.00	10.17 -20.00 35.00	15.57 -30.00 50.00	21.14 -35.00 60.00	26.76 -40.00 70.00	32.24 -50.00 80.00	37.95 -60.00 100.00

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

Coil 0 M	1.010 0.900 1.100	1.008 0.900 1.100	1.004 0.900 1.100	1.004 0.900 1.100	1.003 0.900 1.100	1.001 0.900 1.100	1.001 0.900 1.100	1.002 0.900 1.100
Coil 0 P	0.040 -2.000 2.000	0.196 -2.000 2.000	0.303 -2.000 2.000	0.315 -2.000 2.000	0.303 -2.000 2.000	0.265 -2.000 2.000	0.227 -2.000 2.000	0.228 -2.000 2.000
Coil 1 M	0.994 0.900 1.100	0.992 0.900 1.100	0.989 0.900 1.100	0.988 0.900 1.100	0.986 0.900 1.100	0.986 0.900 1.100	0.985 0.900 1.100	0.986 0.900 1.100
Coil 1 P	0.073 -2.000 2.000	0.242 -2.000 2.000	0.304 -2.000 2.000	0.334 -2.000 2.000	0.296 -2.000 2.000	0.283 -2.000 2.000	0.263 -2.000 2.000	0.218 -2.000 2.000
Coil 2 M	1.015 0.900 1.100	1.012 0.900 1.100	1.011 0.900 1.100	1.011 0.900 1.100	1.011 0.900 1.100	1.011 0.900 1.100	1.011 0.900 1.100	1.010 0.900 1.100
Coil 2 P	-0.005 -2.000 2.000	0.041 -2.000 2.000	0.070 -2.000 2.000	0.121 -2.000 2.000	0.141 -2.000 2.000	0.174 -2.000 2.000	0.211 -2.000 2.000	0.221 -2.000 2.000
Coil 3 M	1.024 0.900 1.100	1.023 0.900 1.100	1.023 0.900 1.100	1.023 0.900 1.100	1.022 0.900 1.100	1.022 0.900 1.100	1.021 0.900 1.100	1.020 0.900 1.100
Coil 3 P	0.013 -2.000 2.000	0.063 -2.000 2.000	0.139 -2.000 2.000	0.189 -2.000 2.000	0.204 -2.000 2.000	0.224 -2.000 2.000	0.232 -2.000 2.000	0.244 -2.000 2.000

Coil 4 M	1.027 0.900 1.100	1.026 0.900 1.100	1.026 0.900 1.100	1.026 0.900 1.100	1.025 0.900 1.100	1.025 0.900 1.100	1.024 0.900 1.100	1.023 0.900 1.100
Coil 4 P	-0.008 -2.000 2.000	0.060 -2.000 2.000	0.087 -2.000 2.000	0.144 -2.000 2.000	0.138 -2.000 2.000	0.185 -2.000 2.000	0.162 -2.000 2.000	0.167 -2.000 2.000
Coil 5 M	1.019 0.900 1.100	1.019 0.900 1.100	1.020 0.900 1.100	1.018 0.900 1.100	1.018 0.900 1.100	1.019 0.900 1.100	1.018 0.900 1.100	1.017 0.900 1.100
Coil 5 P	0.053 -2.000 2.000	-0.008 -2.000 2.000	0.060 -2.000 2.000	0.084 -2.000 2.000	0.067 -2.000 2.000	0.058 -2.000 2.000	0.120 -2.000 2.000	0.121 -2.000 2.000
Coil 6 M	1.023 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	1.026 0.900 1.100	1.025 0.900 1.100	1.022 0.900 1.100
Coil 6 P	0.009 -2.000 2.000	0.090 -2.000 2.000	0.045 -2.000 2.000	0.136 -2.000 2.000	0.050 -2.000 2.000	0.006 -2.000 2.000	0.079 -2.000 2.000	0.008 -2.000 2.000

PARMS TCID 0 TCID 1 Cal Temp T Factor
deg C

IDs 1.808 0.902 20.2 1.00

HDIL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1515MA 167593

DATE/TIME PERFORMED: Tue Nov 22 06:13:20 2005

UNIT #: 3807TA 008616

ZERO DATA(mv) 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 R	-0.003 -0.200 0.200	-0.000 -0.100 0.100	-0.003 -0.100 0.100	-0.002 -0.100 0.100	-0.007 -0.100 0.100	-0.005 -0.100 0.100	-0.006 -0.100 0.100	-0.006 -0.100 0.100
Coil 0 Q	0.013 -1.000 1.000	0.015 -0.200 0.200	0.005 -0.100 0.100	0.005 -0.100 0.100	0.005 -0.100 0.100	0.003 -0.100 0.100	0.000 -0.100 0.100	-0.001 -0.100 0.100
Coil 1 R	0.006 -0.200 0.200	0.007 -0.100 0.100	-0.004 -0.100 0.100	-0.003 -0.100 0.100	-0.011 -0.100 0.100	-0.009 -0.100 0.100	-0.008 -0.100 0.100	-0.007 -0.100 0.100
Coil 1 Q	0.007 -1.000 1.000	0.013 -0.200 0.200	0.009 -0.100 0.100	0.010 -0.100 0.100	0.006 -0.100 0.100	0.001 -0.100 0.100	-0.003 -0.100 0.100	-0.006 -0.100 0.100
Coil 2 R	0.005 -0.200 0.200	0.005 -0.100 0.100	-0.003 -0.100 0.100	-0.000 -0.100 0.100	-0.007 -0.100 0.100	-0.005 -0.100 0.100	-0.004 -0.100 0.100	-0.001 -0.100 0.100
Coil 2 Q	-0.009 -1.000 1.000	-0.009 -0.200 0.200	-0.002 -0.100 0.100	0.003 -0.100 0.100	0.004 -0.100 0.100	-0.001 -0.100 0.100	-0.002 -0.100 0.100	-0.004 -0.100 0.100
Coil 3 R	0.013 -0.100 0.100	0.005 -0.100 0.100	-0.008 -0.100 0.100	-0.005 -0.100 0.100	-0.014 -0.100 0.100	-0.013 -0.100 0.100	-0.008 -0.100 0.100	-0.001 -0.100 0.100
Coil 3 Q	0.029 -0.500 0.500	0.008 -0.200 0.200	0.011 -0.100 0.100	0.013 -0.100 0.100	-0.000 -0.100 0.100	-0.004 -0.100 0.100	-0.005 -0.100 0.100	-0.007 -0.100 0.100
Coil 4 R	-0.001 -0.200 0.200	-0.006 -0.200 0.200	-0.014 -0.200 0.200	-0.019 -0.200 0.200	-0.037 -0.200 0.200	-0.015 -0.200 0.200	-0.011 -0.200 0.200	-0.007 -0.200 0.200
Coil 4 Q	0.093 -1.000 1.000	0.043 -0.400 0.400	0.022 -0.200 0.200	0.014 -0.200 0.200	0.008 -0.200 0.200	-0.009 -0.200 0.200	-0.012 -0.200 0.200	-0.011 -0.200 0.200
Coil 5 R	-0.002 -0.400 0.400	-0.007 -0.400 0.400	-0.019 -0.400 0.400	-0.023 -0.400 0.400	-0.029 -0.400 0.400	-0.016 -0.400 0.400	-0.011 -0.400 0.400	-0.018 -0.400 0.400
Coil 5 Q	0.142 -2.000 2.000	0.050 -0.800 0.800	0.032 -0.400 0.400	0.016 -0.400 0.400	0.006 -0.400 0.400	0.002 -0.400 0.400	0.002 -0.400 0.400	0.001 -0.400 0.400
Coil 6 R	-0.011 -1.000 1.000	-0.018 -1.000 1.000	-0.009 -1.000 1.000	-0.033 -1.000 1.000	-0.109 -1.000 1.000	-0.029 -1.000 1.000	-0.012 -1.000 1.000	-0.013 -1.000 1.000
Coil 6 Q	0.201 -5.000 5.000	0.057 -2.000 2.000	0.034 -1.000 1.000	0.030 -1.000 1.000	-0.007 -1.000 1.000	-0.020 -1.000 1.000	-0.002 -1.000 1.000	-0.011 -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	123.63 100.00 150.00	122.60 100.00 150.00	120.50 98.00 150.00	117.59 96.00 140.00	113.87 92.00 140.00	109.33 87.00 130.00	103.82 82.00 120.00	97.59 76.00 110.00
Coil 0 P	7.068 8.000 9.000	22.307 19.000 26.000	37.299 32.000 47.000	52.214 44.000 68.000	67.213 57.000 85.000	82.273 70.000 100.000	97.456 82.000 120.000	112.559 95.000 140.000
Coil 1 M	218.69 180.00 270.00	215.88 180.00 270.00	210.34 170.00 280.00	202.88 170.00 250.00	193.68 160.00 250.00	183.15 160.00 230.00	171.15 150.00 220.00	158.38 140.00 200.00
Coil 1 P	7.746 8.000 9.000	24.359 19.000 26.000	40.590 32.000 48.000	56.591 45.000 67.000	72.502 57.000 86.000	88.287 70.000 110.000	103.988 85.000 120.000	119.442 96.000 140.000
Coil 2 M	433.54 360.00 540.00	428.56 380.00 540.00	418.81 350.00 530.00	405.99 340.00 510.00	389.90 330.00 500.00	371.17 310.00 470.00	349.56 300.00 440.00	325.77 270.00 410.00
Coil 2 P	7.742 8.000 9.000	24.397 19.000 29.000	40.707 32.000 48.000	56.848 45.000 67.000	72.960 58.000 87.000	89.070 71.000 110.000	105.243 84.000 130.000	121.341 98.000 140.000
Coil 3 M	739.58 590.00 880.00	732.44 580.00 870.00	718.45 570.00 850.00	699.05 550.00 830.00	674.44 530.00 800.00	644.03 500.00 780.00	607.65 470.00 710.00	566.26 440.00 650.00
Coil 3 P	7.775 8.000 10.000	24.361 20.000 29.000	40.716 33.000 49.000	56.982 46.000 69.000	73.349 59.000 89.000	89.816 72.000 110.000	106.442 85.000 130.000	123.025 98.000 160.000
Coil 4 M	1131.4 900.0 1400.0	1120.8 900.0 1300.0	1099.5 900.0 1300.0	1070.0 850.0 1300.0	1031.4 800.0 1200.0	985.0 800.0 1200.0	928.4 750.0 1100.0	865.0 700.0 1000.0
Coil 4 P	7.894 8.000 10.000	24.798 20.000 30.000	41.454 33.000 50.000	58.026 46.000 70.000	74.699 60.000 90.000	91.474 73.000 110.000	108.405 88.000 130.000	125.271 99.000 160.000
Coil 5 M	2292.4 1900.0 2800.0	2266.8 1800.0 2800.0	2215.7 1800.0 2700.0	2145.8 1800.0 2600.0	2058.4 1700.0 2500.0	1955.8 1600.0 2400.0	1835.3 1500.0 2200.0	1702.5 1400.0 2100.0
Coil 5 P	8.255 8.000 10.000	25.920 20.000 31.000	43.280 34.000 51.000	60.472 48.000 72.000	77.692 62.000 93.000	94.916 78.000 110.000	112.230 89.000 130.000	129.434 100.000 160.000
Coil 6 M	5840.6 4700.0 7100.0	5794.7 4700.0 7000.0	5701.7 4600.0 6900.0	5570.8 4400.0 6800.0	5397.0 4200.0 6400.0	5184.5 4000.0 6000.0	4914.9 3700.0 5800.0	4597.5 3400.0 5100.0
Coil 6 P	8.166 7.000 10.000	25.664 22.000 32.000	42.951 36.000 54.000	60.238 51.000 76.000	77.729 65.000 98.000	95.380 80.000 120.000	113.308 94.000 140.000	131.265 110.000 160.000

HDIL AFTER LOG VERIFICATION SUMMARY

TOOL #: 1515MA 167593

DATE/TIME PERFORMED: Tue Nov 22 08:24:31 2005

UNIT #: 3807TA 008616

ZERO DATA(mv) 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 R	-0.002 -0.063 0.077	-0.000 -0.080 0.080	0.000 -0.033 0.027	-0.001 -0.032 0.028	-0.006 -0.037 0.023	-0.004 -0.036 0.025	-0.006 -0.038 0.024	-0.005 -0.036 0.024
Coil 0 Q	0.012 -0.027 0.053	0.014 -0.105 0.135	0.004 -0.025 0.036	0.006 -0.025 0.035	0.005 -0.025 0.036	0.003 -0.027 0.033	0.000 -0.030 0.030	0.000 -0.031 0.029
Coil 1 R	0.007 -0.074 0.088	0.006 -0.043 0.067	0.002 -0.034 0.028	-0.003 -0.033 0.027	-0.009 -0.041 0.019	-0.009 -0.039 0.021	-0.008 -0.038 0.022	-0.004 -0.037 0.023
Coil 1 Q	0.006 -0.393 0.407	0.011 -0.067 0.113	0.008 -0.021 0.036	0.009 -0.020 0.040	0.007 -0.024 0.036	0.001 -0.029 0.031	-0.004 -0.033 0.027	-0.007 -0.036 0.024
Coil 2 R	0.004 -0.065 0.075	0.007 -0.025 0.035	0.005 -0.033 0.027	0.001 -0.030 0.030	-0.003 -0.037 0.023	-0.007 -0.036 0.025	-0.005 -0.034 0.026	-0.003 -0.031 0.029
Coil 2 Q	-0.010 -0.359 0.341	-0.010 -0.109 0.091	-0.002 -0.032 0.028	0.009 -0.027 0.033	0.004 -0.026 0.034	-0.000 -0.031 0.029	-0.004 -0.032 0.028	-0.006 -0.034 0.026
Coil 3 R	0.009 -0.027 0.053	0.005 -0.035 0.045	-0.003 -0.048 0.032	-0.013 -0.045 0.035	-0.012 -0.064 0.028	-0.013 -0.053 0.027	-0.005 -0.048 0.032	-0.002 -0.041 0.039
Coil 3 Q	0.029 -0.171 0.329	0.007 -0.072 0.085	0.010 -0.039 0.051	0.015 -0.077 0.063	0.003 -0.040 0.040	-0.004 -0.044 0.036	-0.007 -0.045 0.035	-0.008 -0.047 0.033

Coil 4 R	-0.004 -0.061 0.059	-0.008 -0.065 0.054	0.003 -0.074 0.046	-0.012 -0.079 0.041	-0.028 -0.097 0.023	-0.023 -0.075 0.045	-0.011 -0.071 0.049	-0.002 -0.067 0.053
Coil 4 Q	0.092 -0.207 0.393	0.036 -0.057 0.143	0.017 -0.038 0.062	0.024 -0.048 0.074	0.012 -0.062 0.068	-0.001 -0.069 0.051	-0.014 -0.072 0.045	-0.020 -0.071 0.049
Coil 5 R	-0.004 -0.122 0.118	-0.010 -0.127 0.113	-0.007 -0.139 0.101	-0.013 -0.143 0.097	-0.022 -0.149 0.091	-0.014 -0.138 0.104	-0.010 -0.131 0.109	-0.020 -0.138 0.102
Coil 5 Q	0.140 -0.458 0.742	0.043 -0.200 0.300	0.034 -0.088 0.152	0.036 -0.104 0.138	0.017 -0.114 0.128	0.006 -0.118 0.122	0.001 -0.118 0.122	-0.008 -0.119 0.121
Coil 6 R	-0.015 -0.311 0.289	0.018 -0.315 0.282	0.022 -0.309 0.291	-0.014 -0.333 0.287	-0.070 -0.409 0.191	-0.061 -0.329 0.271	-0.045 -0.312 0.288	-0.020 -0.313 0.287
Coil 6 Q	0.191 -1.299 1.701	0.028 -0.543 0.667	0.056 -0.286 0.334	0.106 -0.270 0.330	0.034 -0.307 0.293	0.005 -0.320 0.280	-0.029 -0.302 0.295	-0.037 -0.311 0.289

ELEC. GAINS 10 KHz 30 KHz 50 KHz 70 KHz 90 KHz 110 KHz 130 KHz 150 KHz

Coil 0 M	123.67 121.16 126.11	122.61 120.14 125.05	120.51 118.09 122.91	117.58 115.24 119.94	113.80 111.59 116.15	109.19 107.14 111.52	103.64 101.75 105.90	97.33 95.64 99.54
Coil 0 P	7.079 4.086 10.068	22.336 19.307 25.307	37.339 34.299 40.299	52.284 49.214 55.214	67.276 64.213 70.213	82.321 79.273 85.273	97.481 94.458 100.458	112.495 109.559 115.559
Coil 1 M	218.69 214.32 223.07	215.85 211.57 220.20	210.27 208.13 214.56	202.77 198.82 206.93	193.53 189.81 197.56	182.86 179.48 186.81	170.78 167.73 174.57	157.87 155.21 161.56
Coil 1 P	7.759 4.746 10.746	24.388 21.359 27.359	40.642 37.590 43.590	56.635 53.591 59.591	72.572 69.502 75.502	88.347 85.257 91.257	104.028 100.988 108.988	119.397 116.442 122.442
Coil 2 M	433.63 424.67 442.21	428.63 419.99 437.13	418.83 410.44 427.19	405.93 397.87 414.11	389.70 382.11 397.70	370.69 363.75 376.60	348.93 342.58 356.55	324.90 319.26 332.29
Coil 2 P	7.767 4.742 10.742	24.428 21.397 27.397	40.750 37.707 43.707	56.905 53.848 59.848	73.029 69.960 75.960	89.128 86.070 92.070	105.273 102.243 108.243	121.297 118.341 124.341
Coil 3 M	739.61 724.79 754.37	732.37 717.79 747.09	718.25 704.08 732.62	698.76 685.07 713.03	673.83 660.95 687.93	643.02 631.15 656.91	606.14 595.50 619.81	564.54 554.93 577.58
Coil 3 P	7.786 4.775 10.775	24.391 21.361 27.361	40.762 37.716 43.716	57.040 53.982 59.982	73.422 70.349 76.349	89.875 86.816 92.816	106.478 103.442 109.442	122.957 120.025 128.025
Coil 4 M	1131.3 1108.8 1154.0	1120.5 1098.4 1143.2	1099.1 1077.5 1121.4	1069.5 1048.8 1091.4	1030.5 1010.8 1052.1	983.5 965.3 1004.7	926.3 909.9 947.0	861.9 847.7 882.3
Coil 4 P	7.906 4.894 10.894	24.827 21.795 27.795	41.498 38.454 44.454	58.085 55.028 61.028	74.770 71.699 77.699	91.540 88.474 94.474	108.446 105.405 111.405	125.227 122.271 128.271
Coil 5 M	2292.5 2246.5 2338.2	2266.5 2221.4 2312.1	2215.1 2171.4 2260.0	2145.1 2102.9 2188.7	2057.0 2017.2 2099.5	1953.1 1916.8 1994.9	1831.3 1798.8 1872.0	1697.2 1666.5 1736.6
Coil 5 P	8.268 5.255 11.255	25.949 22.920 28.920	43.323 40.280 46.280	60.533 57.472 63.472	77.767 74.692 80.692	94.973 91.918 97.918	112.264 109.230 115.230	129.382 126.434 132.434
Coil 6 M	5842.5 5723.8 5957.4	5795.9 5675.5 5910.6	5701.4 5587.7 5815.7	5572.5 5459.4 5682.2	5397.9 5289.0 5504.9	5178.1 5080.8 5263.2	4903.3 4816.8 5013.2	4583.9 4505.5 4689.4
Coil 6 P	8.179 5.166 11.166	25.701 22.684 28.684	43.019 39.951 45.951	60.323 57.238 63.238	77.806 74.729 80.729	95.471 92.380 98.380	113.377 110.308 118.308	131.254 128.265 134.265



COMPANY
WELL
FIELD
PROVINCE

VULCAN MINERALS INC.
HURRICANE NO. 2 (WHIP #1)
BAY ST. GEORGE
NEWFOUNDLAND

FILE NO:

API NO:

LOCATION:

LIC: 03-107
WESTERN NEWFOUNDLAND
ST. GEORGE BAY

ELEVATIONS:

KB 138.3 M
DF
CA 135.0 M

Baker Atlas





ST. GEORGES BR

LAT 48.287700 N LONG 58.67228 W

NO. 10010 W

DATE 13-DEC-2005