



Baker Atlas

FILE NO:

COMPANY

SIERRA GEOTHERMAL POWER, INC.

WELL

ALUM 25-29

API NO:

FIELD

ALUM

27-009-90074

COUNTY

ESMERALDA

STATE NEVADA

Ver. 3.87

LOCATION:

2235.18' FSL & 938.11' FWL

SW/C

SEC 29

TWP 1N

RGE 38.SE

OTHER SERVICES

HDIL

XMAC

STAR/CBIL

PERMANENT DATUM

G.L.

ELEVATION

4903.57 FT

LOG MEASURED FROM

K.B.

16.0 FT

ABOVE P.D.

DRILL MEAS. FROM

K.B.

ELEVATIONS:

KB 4919.57 FT

DF

GL 4903.57 FT

DATE 15-NOV-2009

RUN TRIP

1

1

SERVICE ORDER

575995

DEPTH DRILLER

2300 FT

DEPTH LOGGER

2299 FT

BOTTOM LOGGED INTERVAL

2218 FT

TOP LOGGED INTERVAL

571 FT

CASING DRILLER

16.0 IN

571 FT

CASING LOGGER

571 FT

BIT SIZE

14.75 IN

TYPE OF FLUID IN HOLE

LSND

DENSITY

9.0 LB/G

54 S

PH

9.0

10.0 C3

SOURCE OF SAMPLE

FLOWLINE

RM AT MEAS. TEMP.

2.53 OHMM

61 DEGF

RMF AT MEAS. TEMP.

2.36 OHMM

60 DEGF

RMC AT MEAS. TEMP.

2.68 OHMM

63 DEGF

SOURCE OF RMF

RMC

MEASURED

RM AT BHT

1.08 OHMM

152 DEGF

TIME SINCE CIRCULATION

3.5 HOURS

MAX. RECORDED TEMP.

152 DEGF

EQUIP. NO.

ML-4232

FALLON, NV

RECORDED BY

VERCIAMAK

JERRY HAMBLIN

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.

### REMARKS

RUN 1 TRIP 1 : CVOL COMPUTED USING 10.75" CASING (BVOL, CVOL UNITS IN CUBIC FEET)  
CALIPER VERIFIED IN CASING  
  
RHO M = 2.65 G/CC RHO F = 1.0 G/CC  
MATRIX = SANDSTONE  
  
THANKS FOR USING BAKER ATLAS  
CREW: LAPOINT / HAYCOCK  
RIG: ENSIGN 561

### EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	SWL	3944XD	102D137D	FREE
1	1	TTRM	3981XB	102D301D	FREE
1	1	WTS	3514XB	102D0359	FREE
1	1	GR	1329XB	102D300D	DECENT
1	1	CN	2446XA	179981	DECENT
1	1	ZDL	2234XA	10334913	PAD DEVICE
1	1	KNCKL	3939XA	10143909	FREE

1	1	HDIL	1515EA / MA	10069826 / 10069832	S/D
1	1	ORIT	4401XB	10165246	FREE
1	1	XMAC	1677EA / 1678MC	10337574 / 370238	CENT
1	1	ISO	1678PB	10213117	CENT
1	1	XMAC XTR	1678BA / 1678FA	370234 / 10199668	CENT

## MAIN LOG 5"/100FT SCALE

ECLIPS 6.01 Feb 21, 2008  
Updates: 1

Sun Nov 15 21:07:49 2009

Pcrplt /main/62

Cplot

Pdf\_Cpp /main/16

Fileview 5.42

### PARAMETER AND FILTER SUMMARY REPORT

File: /data/575995/k771104.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 492.500 ft BOTTOM DEPTH: 2309.750 ft

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
CALIPER	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1s*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2s*)	medium		"	"
	FILTER (soft*)	medium		"	"
ZDL HIGH RES	FILTER (hrd1*)	light		"	"
	FILTER (hrd1s*)	light		"	"
	FILTER (hrd2*)	light		"	"
	FILTER (hrd2s*)	light		"	"

#### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	10.750	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	"	"
BIT SIZE	BIT SIZE	14.750	in	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	14.750	in	"	"

#### CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2446 CN MATRIX	2446 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	"	"
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	2.650	g/cm3	TOP	BOTTOM
	RHOfluid	1.000	g/cm3	"	"
ZDL	DENX TRACKING	ON		"	"

#### CURVE DESCRIPTION REPORT

# CURVE DESCRIPTION REPORT

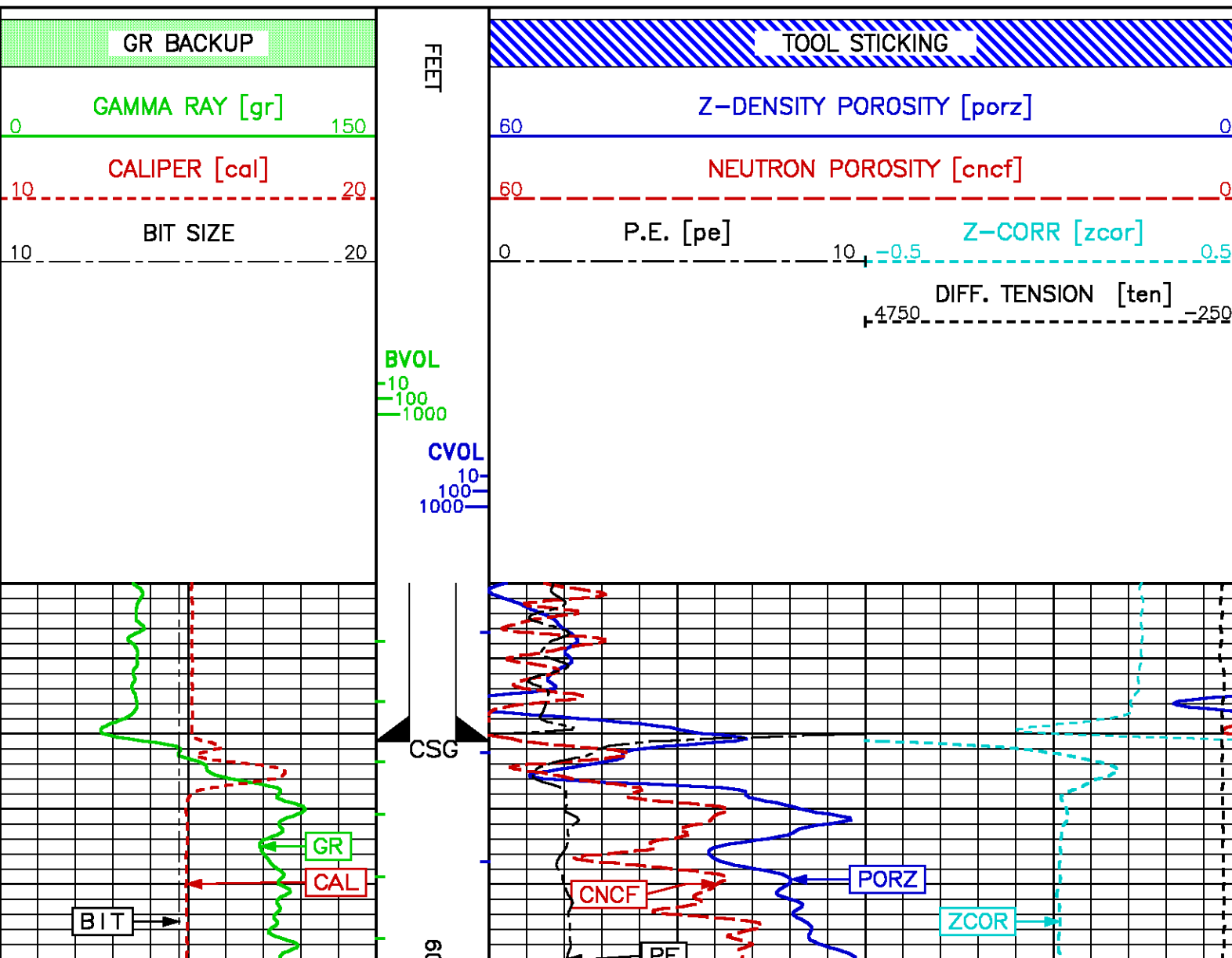
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 15 12:51:25 2009	BIT SIZE
F1:BVOL	BVOL	Nov 15 12:51:25 2009	BOREHOLE VOLUME
F1:CAL	CAL	Nov 15 12:51:25 2009	CALIPER
F1:CNCF	CNCF	Nov 15 12:51:25 2009	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Nov 15 12:51:25 2009	CEMENT VOLUME
F1:GR	GR	Nov 15 12:51:25 2009	GAMMA RAY
F1:PE	PE	Nov 15 12:51:25 2009	PHOTO ELECTRIC CROSS-SECTION
F1:PORZ	PORZ	Nov 15 12:51:25 2009	POROSITY FOR SELECTABLE MATRIX
F1:TEN	TEN	Nov 15 12:51:25 2009	DIFFERENTIAL TENSION
F1:ZCOR	ZCOR	Nov 15 12:51:25 2009	DENSITY CORRECTION

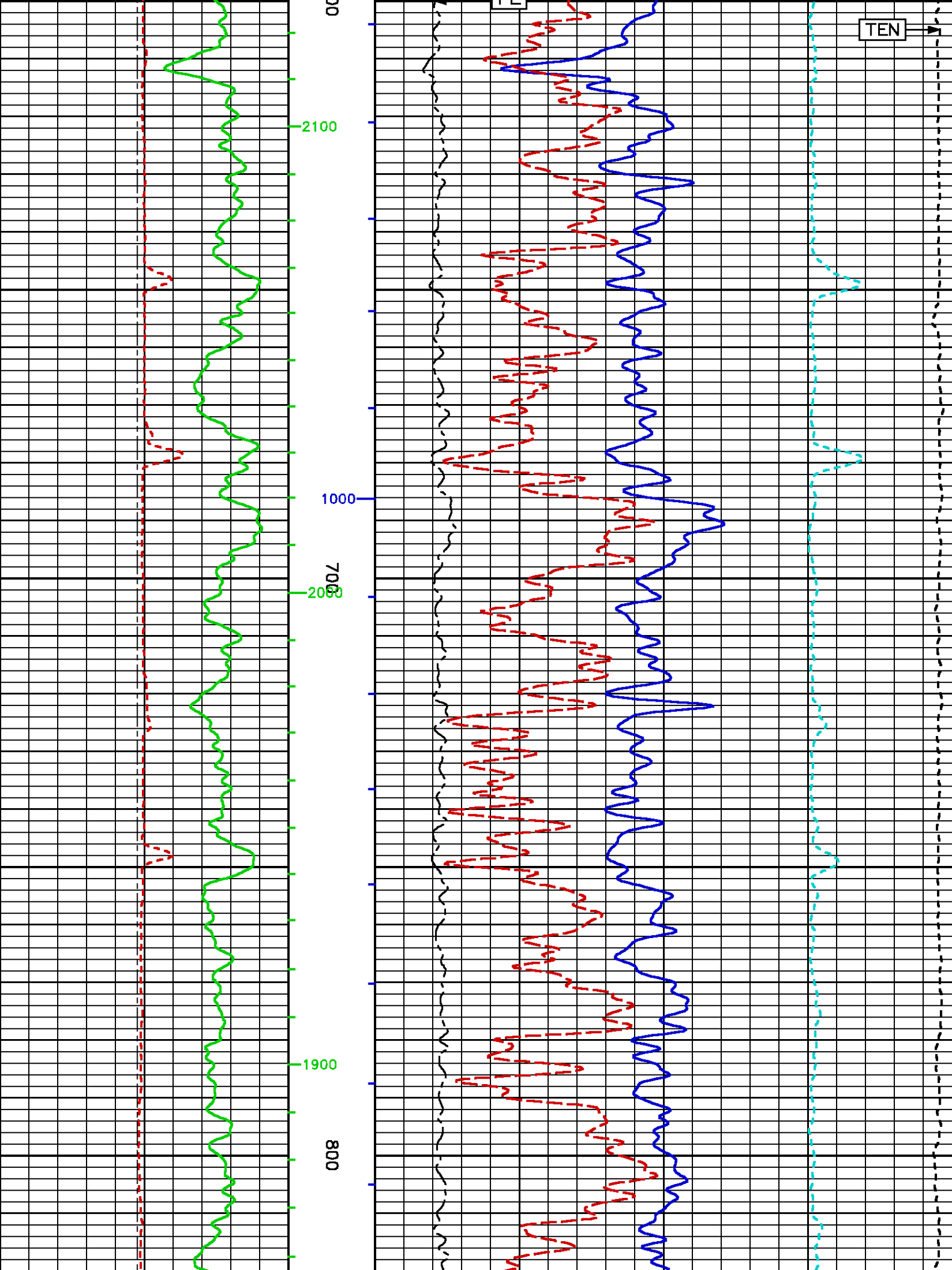
## CURVE MEASURE POINT OFFSET

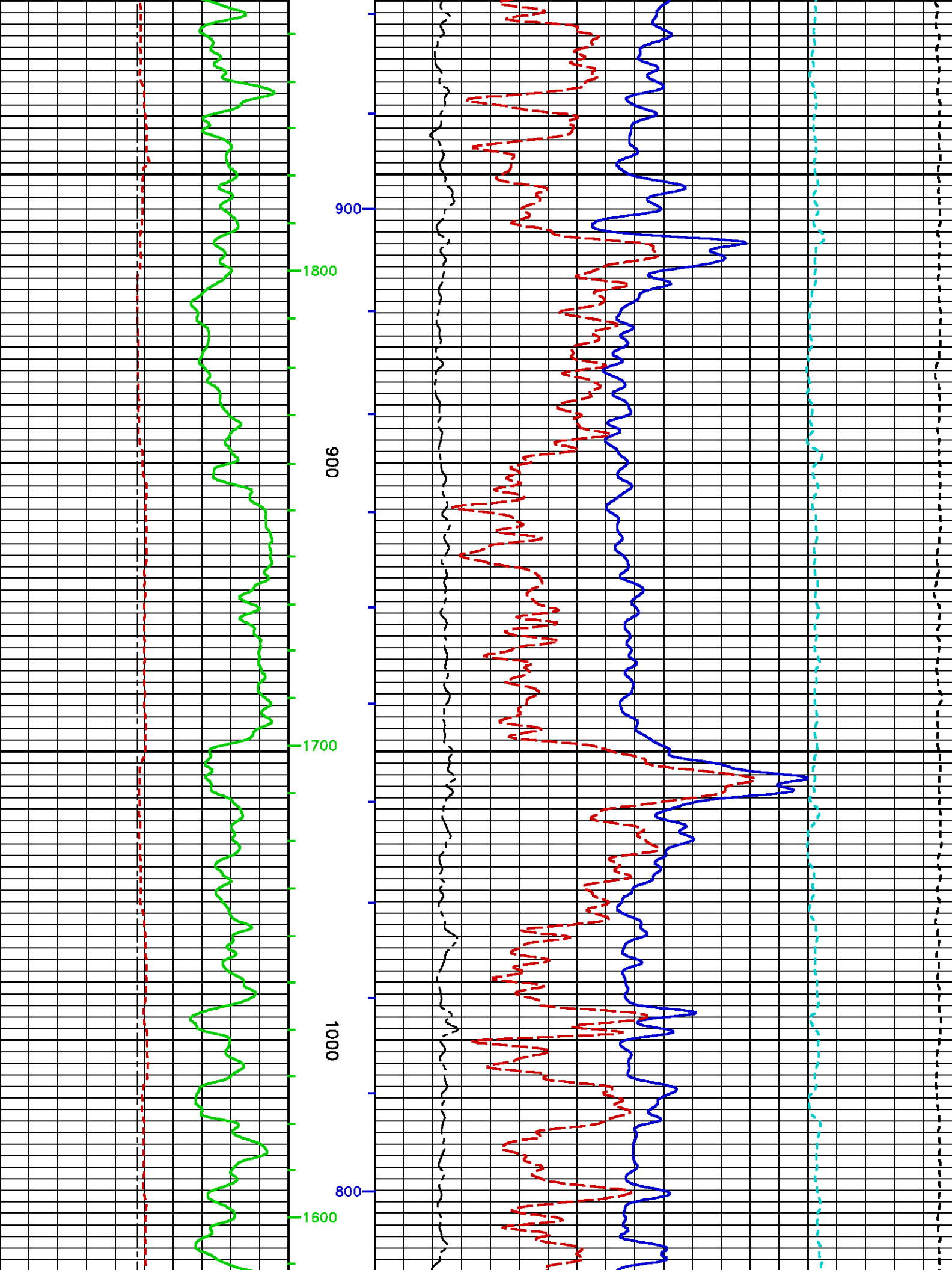
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	CNCF	92.00	PE	81.00	TEN	0.00
CAL	81.50	GR	99.00	PORZ	81.00	ZCOR	81.00

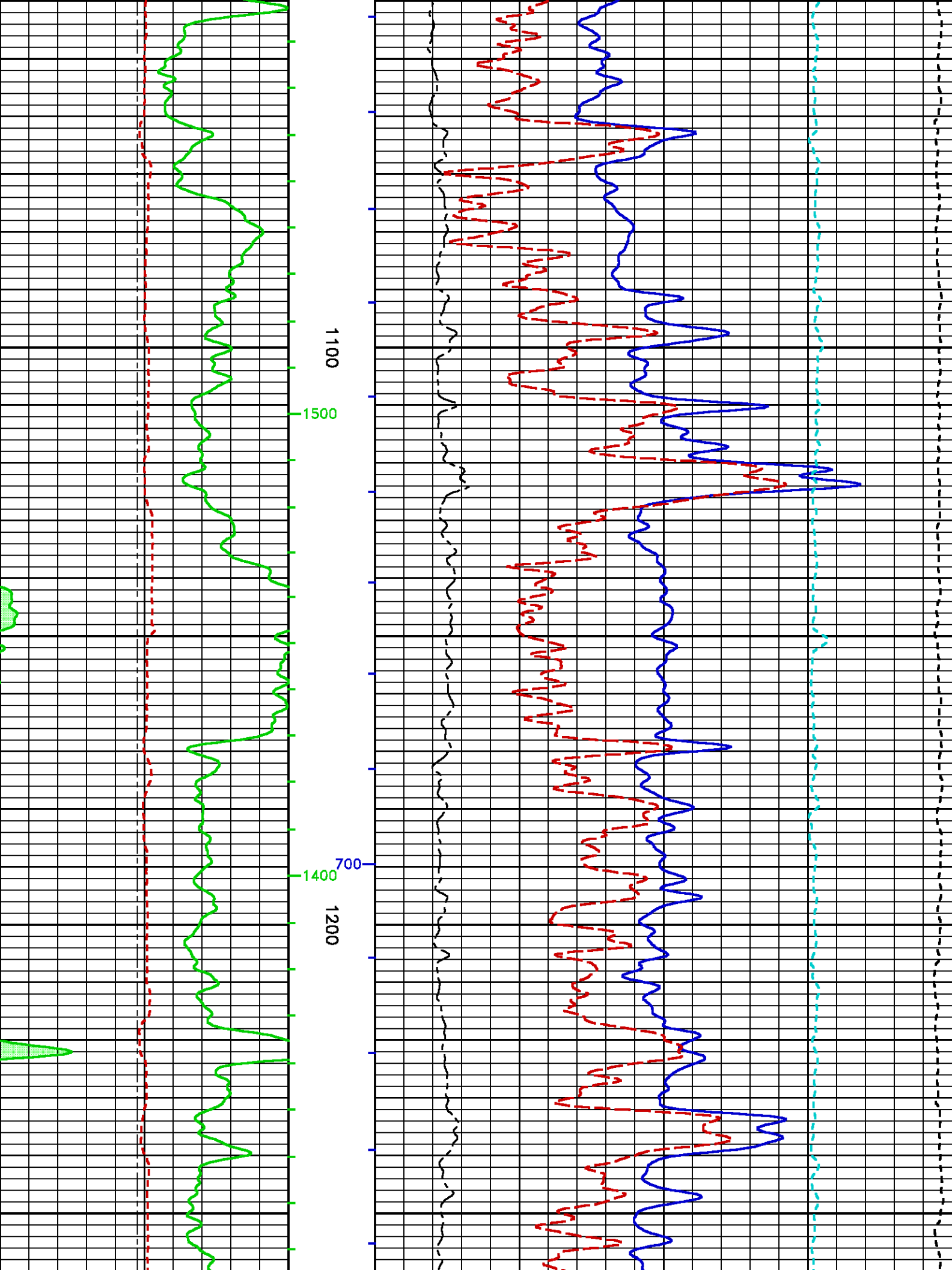
Presentation : cpu1:/dat1a/575995/ZDLCN\_MAIN.pdf [5"/100' Scale]  
 Plot Interval : 550 - 2310 Feet

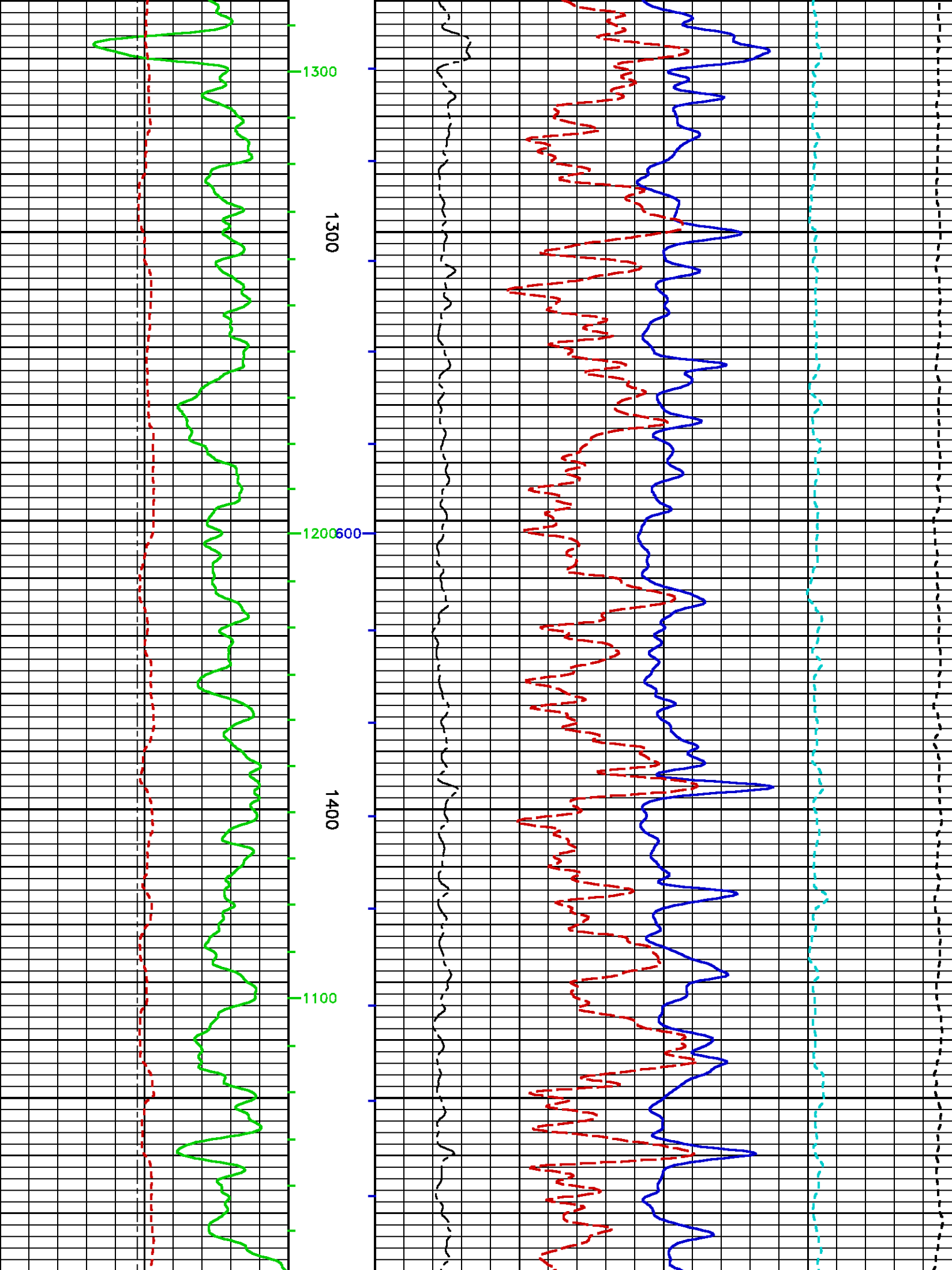
Data File 1 : F1 : cpu1:/dat1a/575995/k771104.aff  
 Created On : Nov 15 12:51:25 2009  
 Company : SIERRA GEOTHERMAL POWER, INC.  
 Well : ALUM 25-29  
 Field : ALUM  
 File Interval : 380.25 - 2310 Feet  
 Oct : k7711

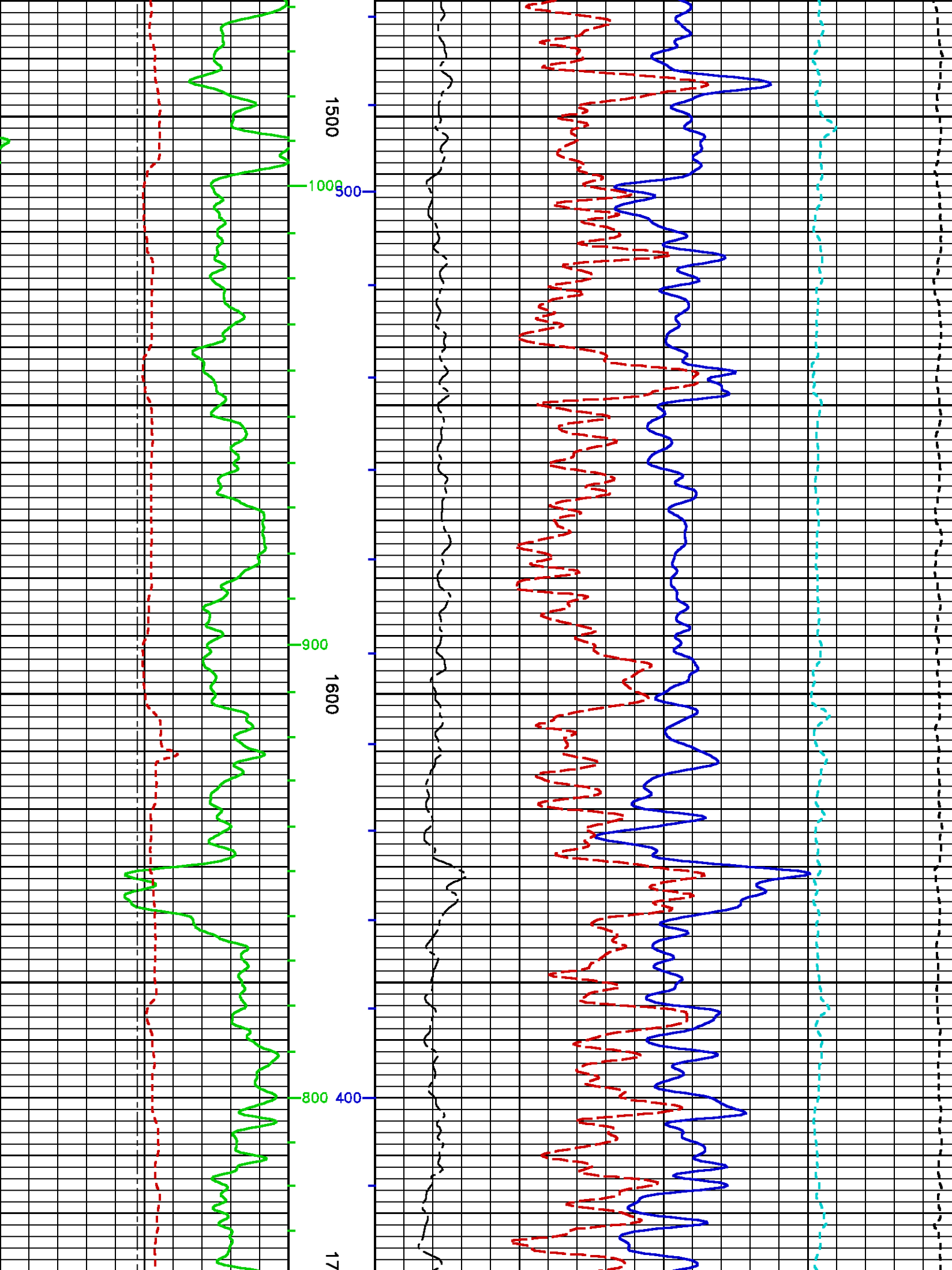




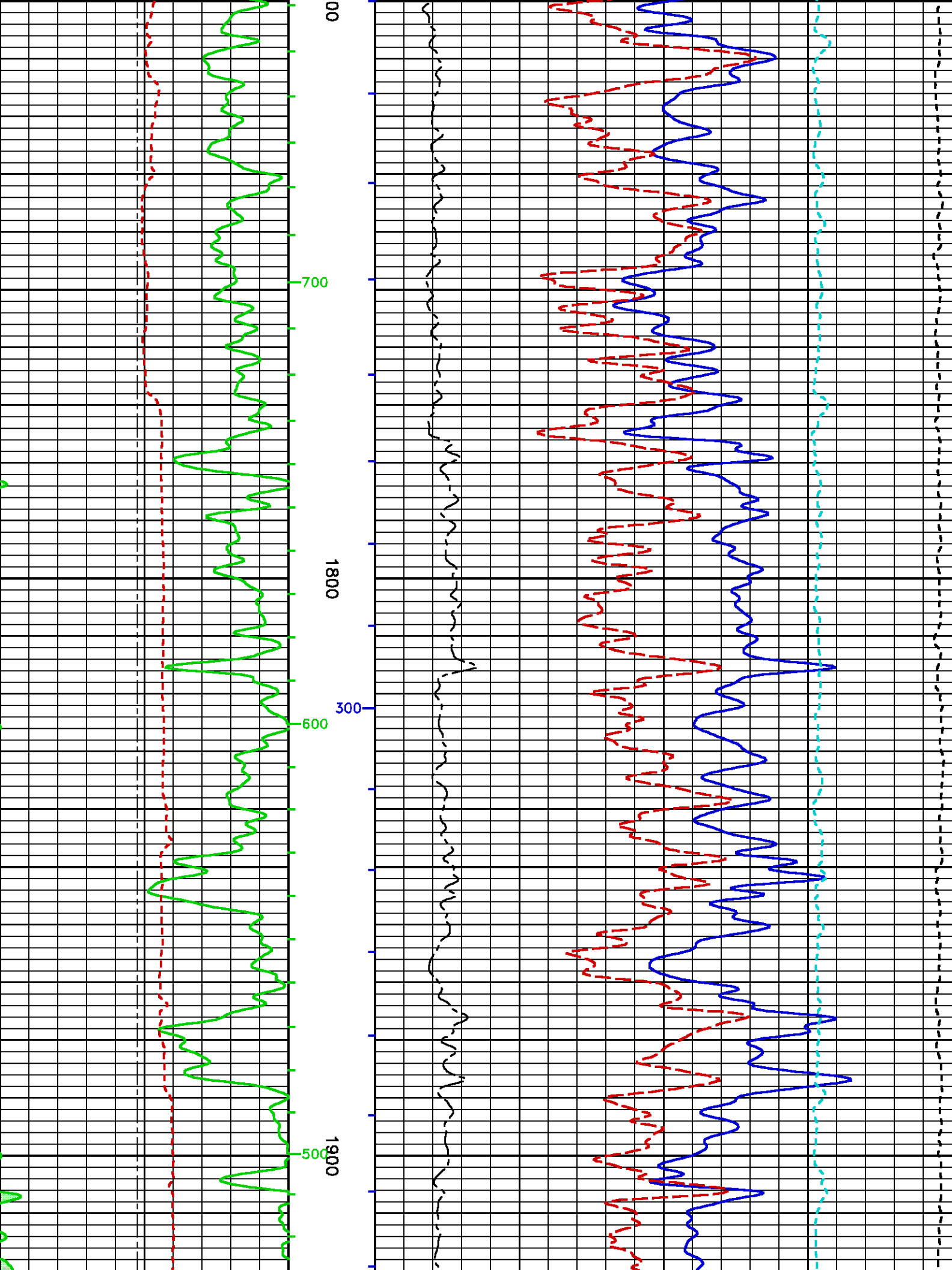


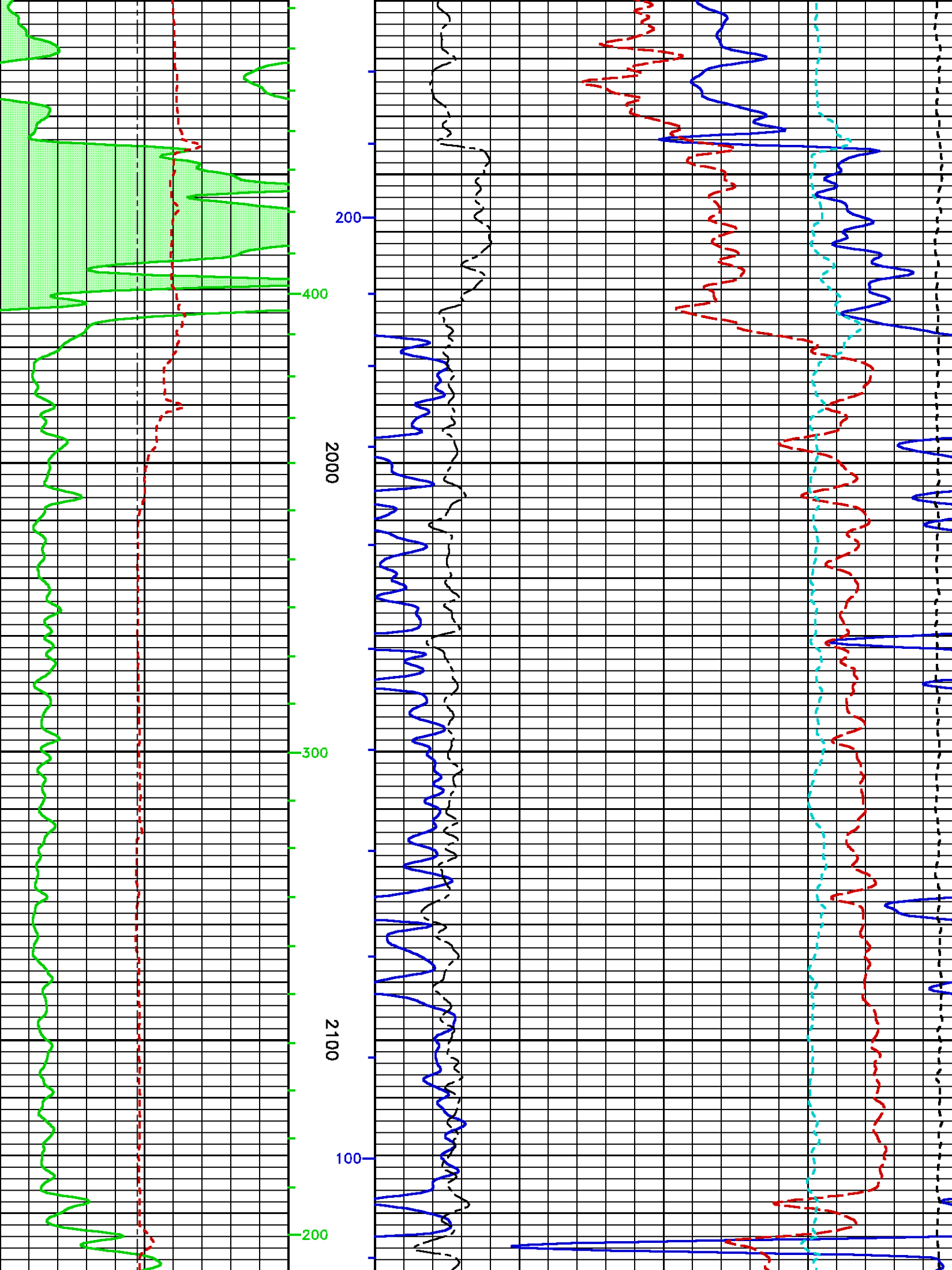


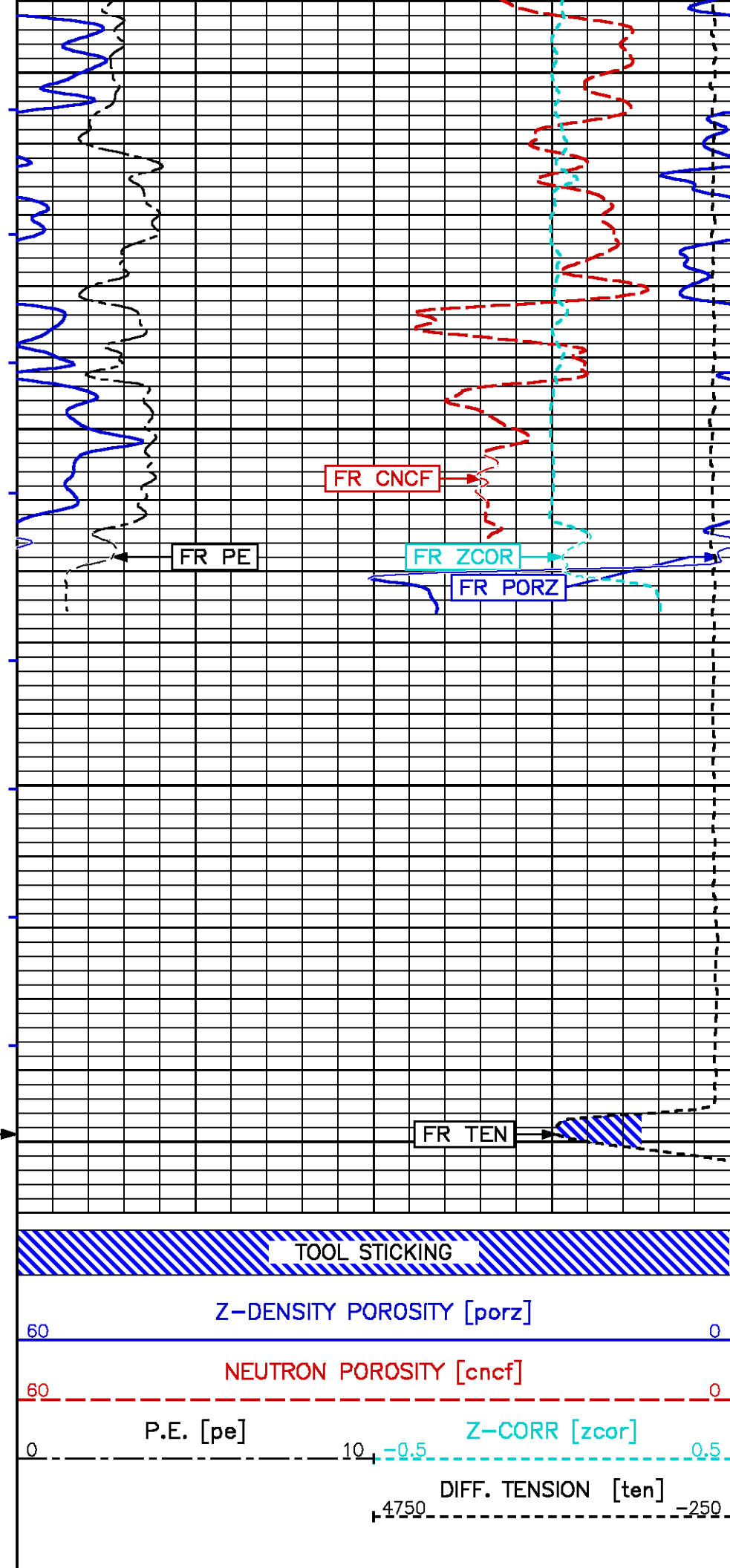
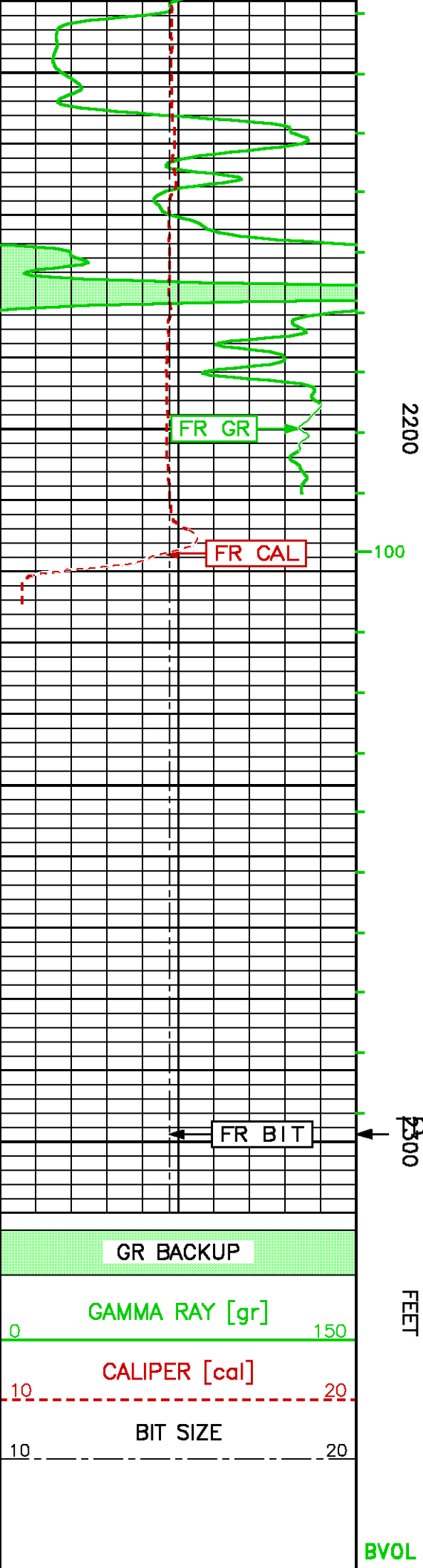


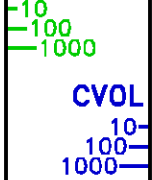












## BULK DENSITY 5"/100FT SCALE

ECLIPS 6.0i Feb 21, 2008  
Updates: 1

Sun Nov 15 21:27:12 2009

Pcrplt /main/62

Cplot

Pdf\_Cpp /main/16

Fileview 5.42

### PARAMETER AND FILTER SUMMARY REPORT

File: /data/575995/k771104.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 492.500 ft BOTTOM DEPTH: 2309.750 ft

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER TENSION GR CALIPER	FILTER ( )	medium (1)		TOP	BOTTOM
	FILTER ( )	medium (1)		"	"
	FILTER ( )	medium (1)		"	"
	FILTER ( )	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1s*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2s*)	medium		"	"
	FILTER (soft*)	medium		"	"
ZDL HIGH RES	FILTER (hrd1*)	light		"	"
	FILTER (hrd1s*)	light		"	"
	FILTER (hrd2*)	light		"	"
	FILTER (hrd2s*)	light		"	"

#### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME BIT SIZE	CASING O.D.	10.750	In	TOP	BOTTOM
	BIT SIZE	14.750	In	"	"

#### ZDL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
ZDL	DENX TRACKING	ON		TOP	BOTTOM

### CURVE DESCRIPTION REPORT

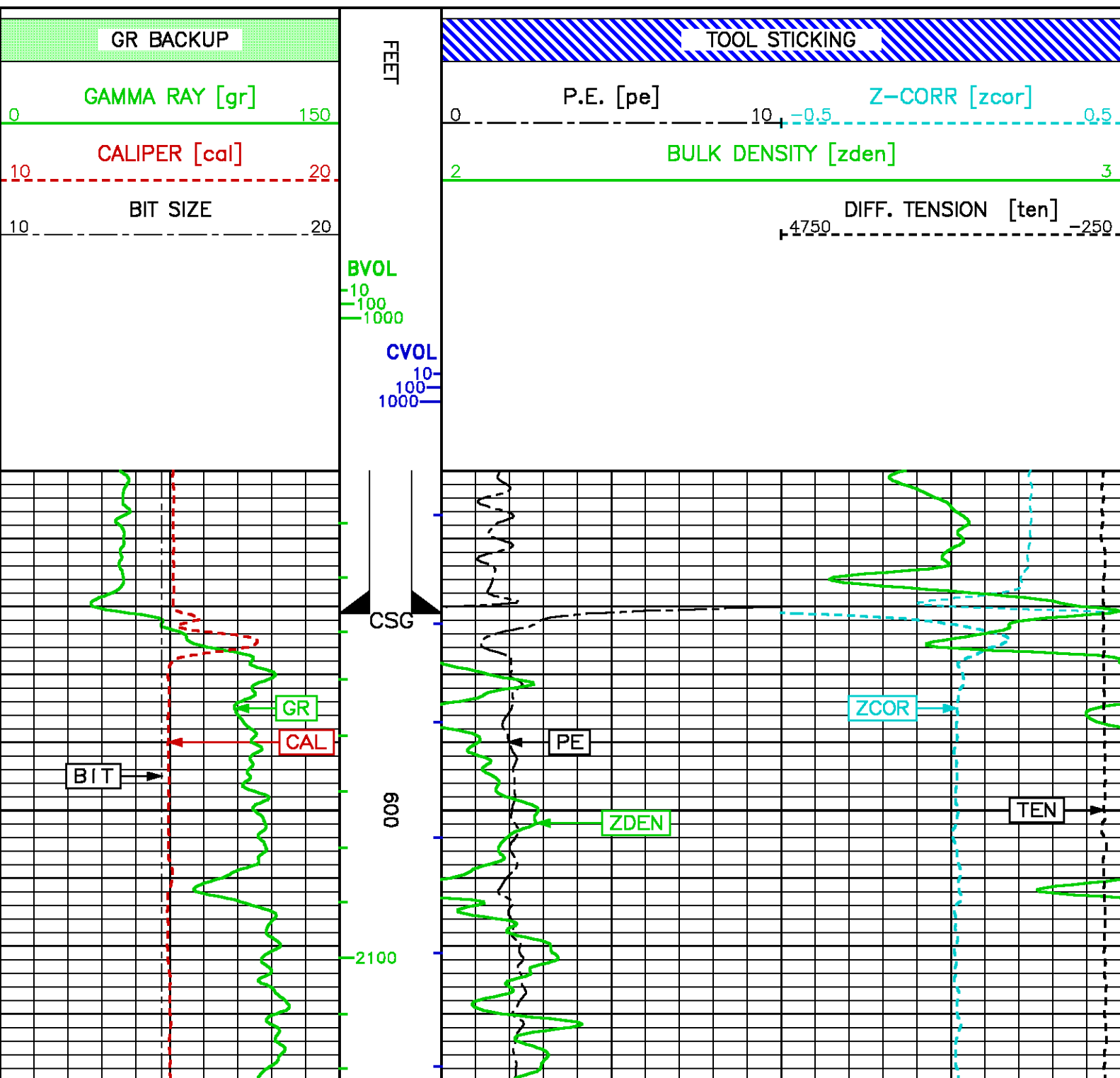
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 15 12:51:25 2009	BIT SIZE
F1:BVOL	BVOL	Nov 15 12:51:25 2009	BOREHOLE VOLUME
F1:CAL	CAL	Nov 15 12:51:25 2009	CALIPER
F1:CVOL	CVOL	Nov 15 12:51:25 2009	CEMENT VOLUME
F1:GR	GR	Nov 15 12:51:25 2009	GAMMA RAY
F1:PE	PE	Nov 15 12:51:25 2009	PHOTO ELECTRIC CROSS-SECTION
F1:TEN	TEN	Nov 15 12:51:25 2009	DIFFERENTIAL TENSION

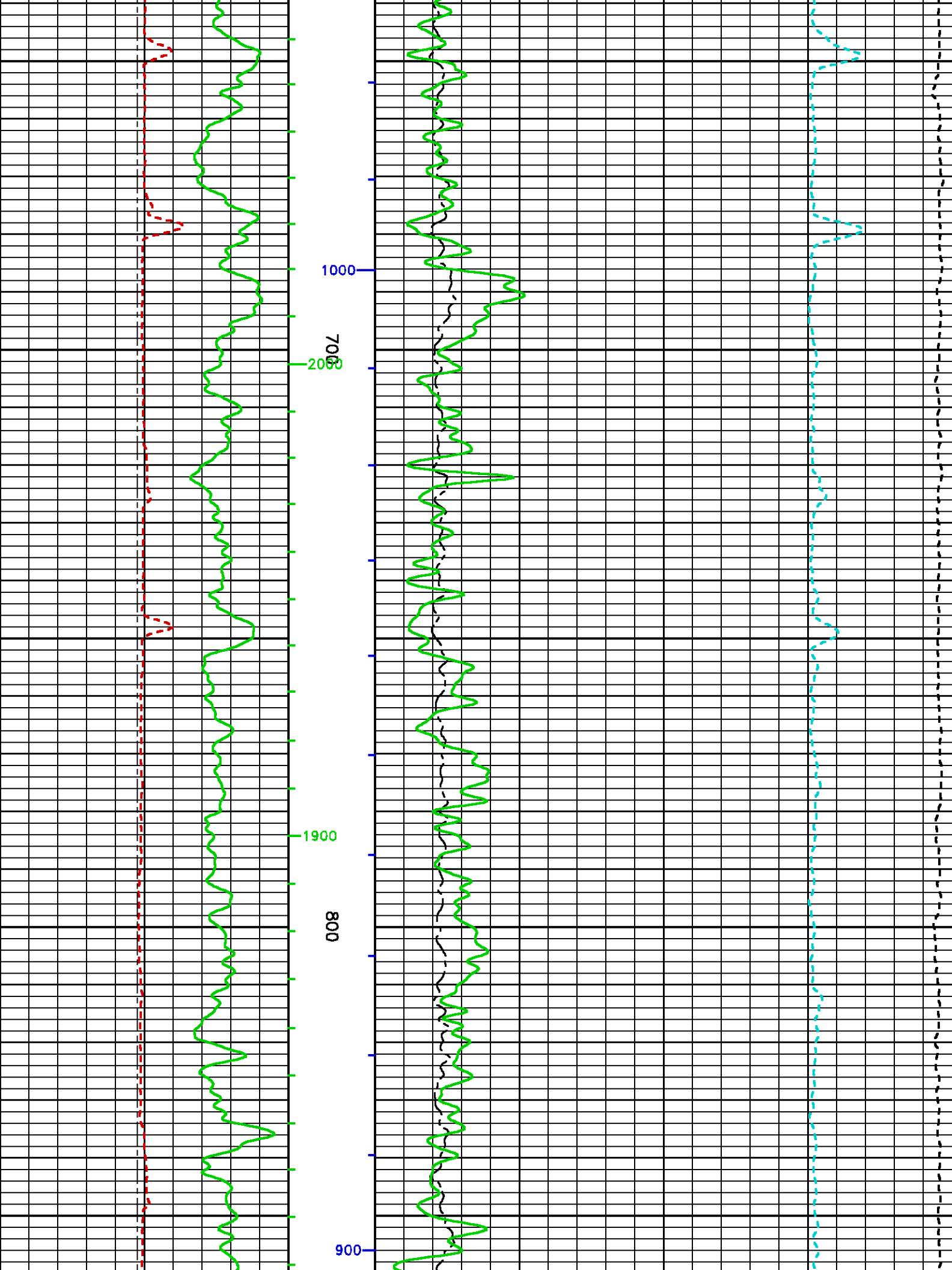
## CURVE MEASURE POINT OFFSET

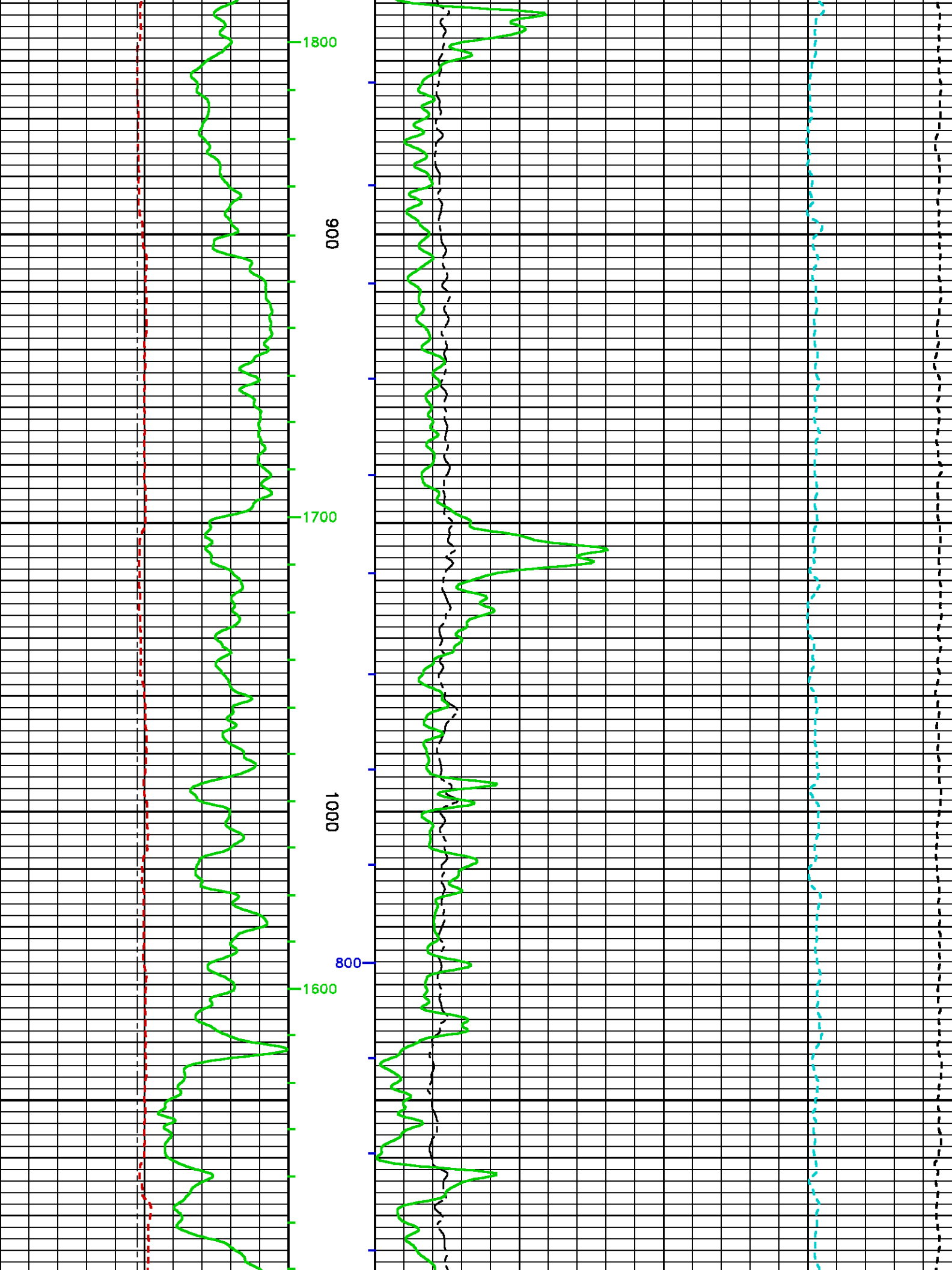
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	GR	99.00	TEN	0.00	ZDEN	81.00
CAL	81.50	PE	81.00	ZCOR	81.00		

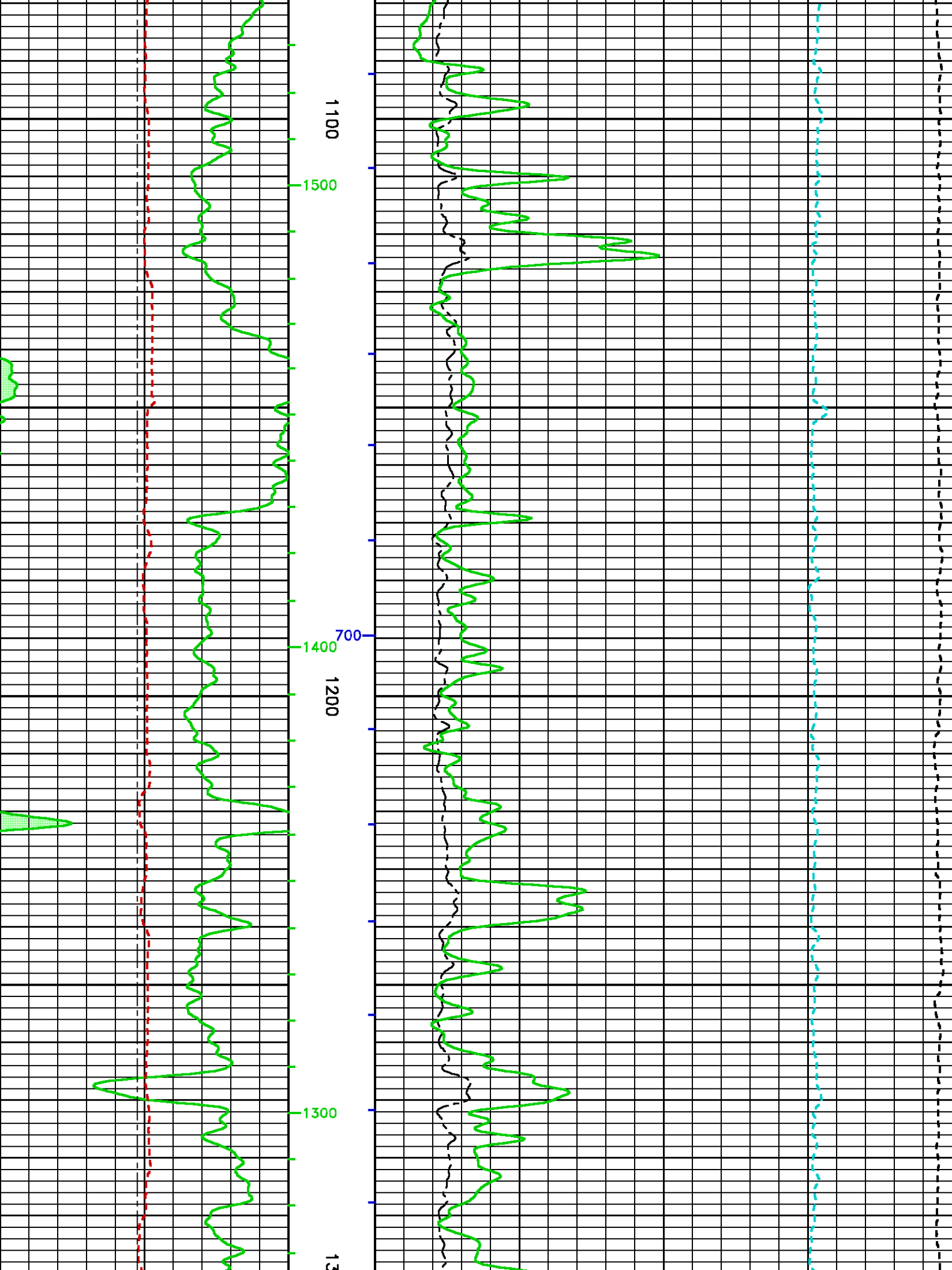
Presentation : cpu1:/dat1a/575995/ZDL\_BULK\_MAIN.pdf [5"/100' Scale]  
 Plot Interval : 550 - 2310 Feet

Data File 1 : F1 : cpu1:/dat1a/575995/k771104.aiff  
 Created On : Nov 15 12:51:25 2009  
 Company : SIERRA GEOTHERMAL POWER, INC.  
 Well : ALUM 25-29  
 Field : ALUM  
 File Interval : 380.25 - 2310 Feet  
 Oct : k7711

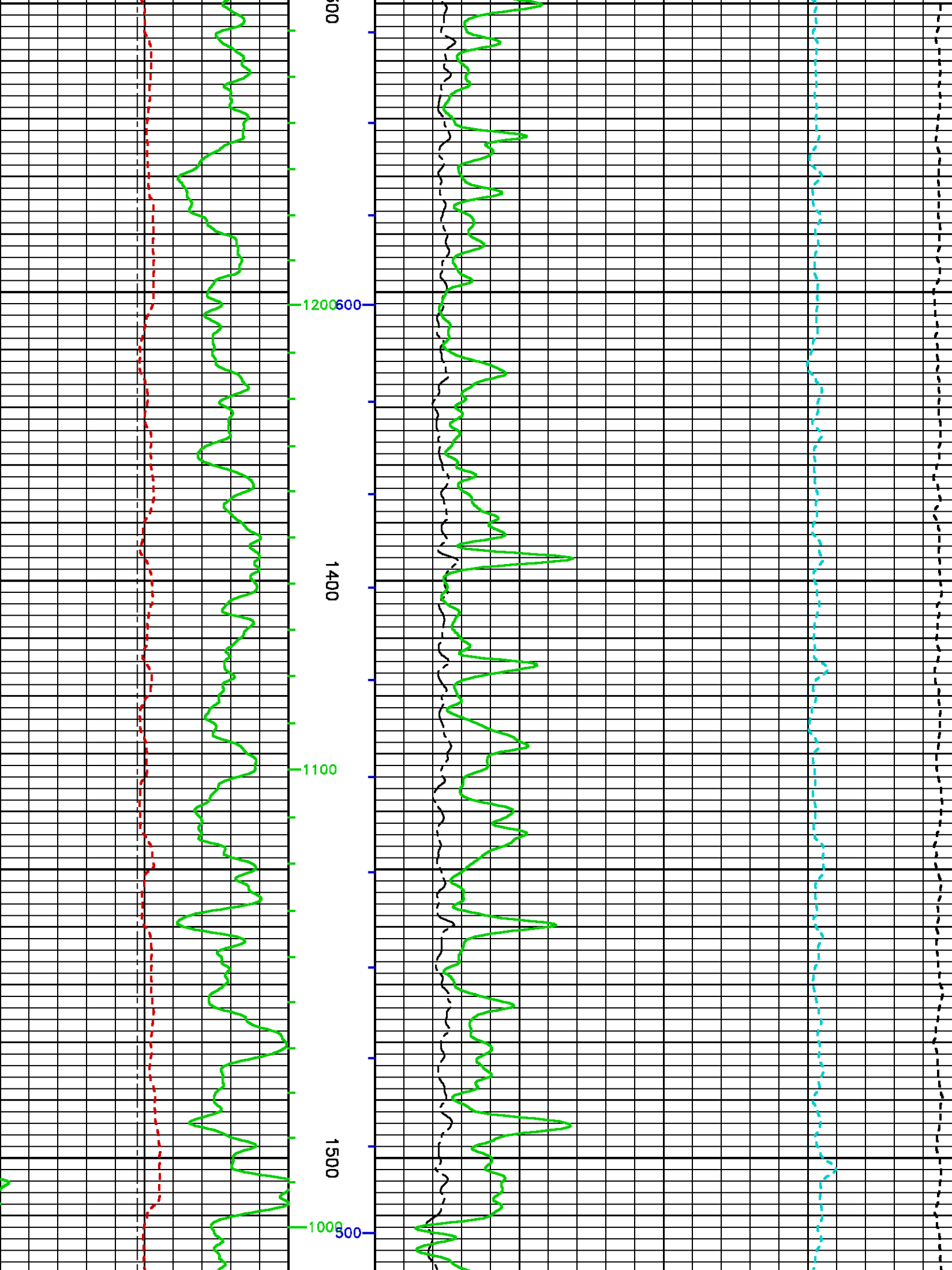


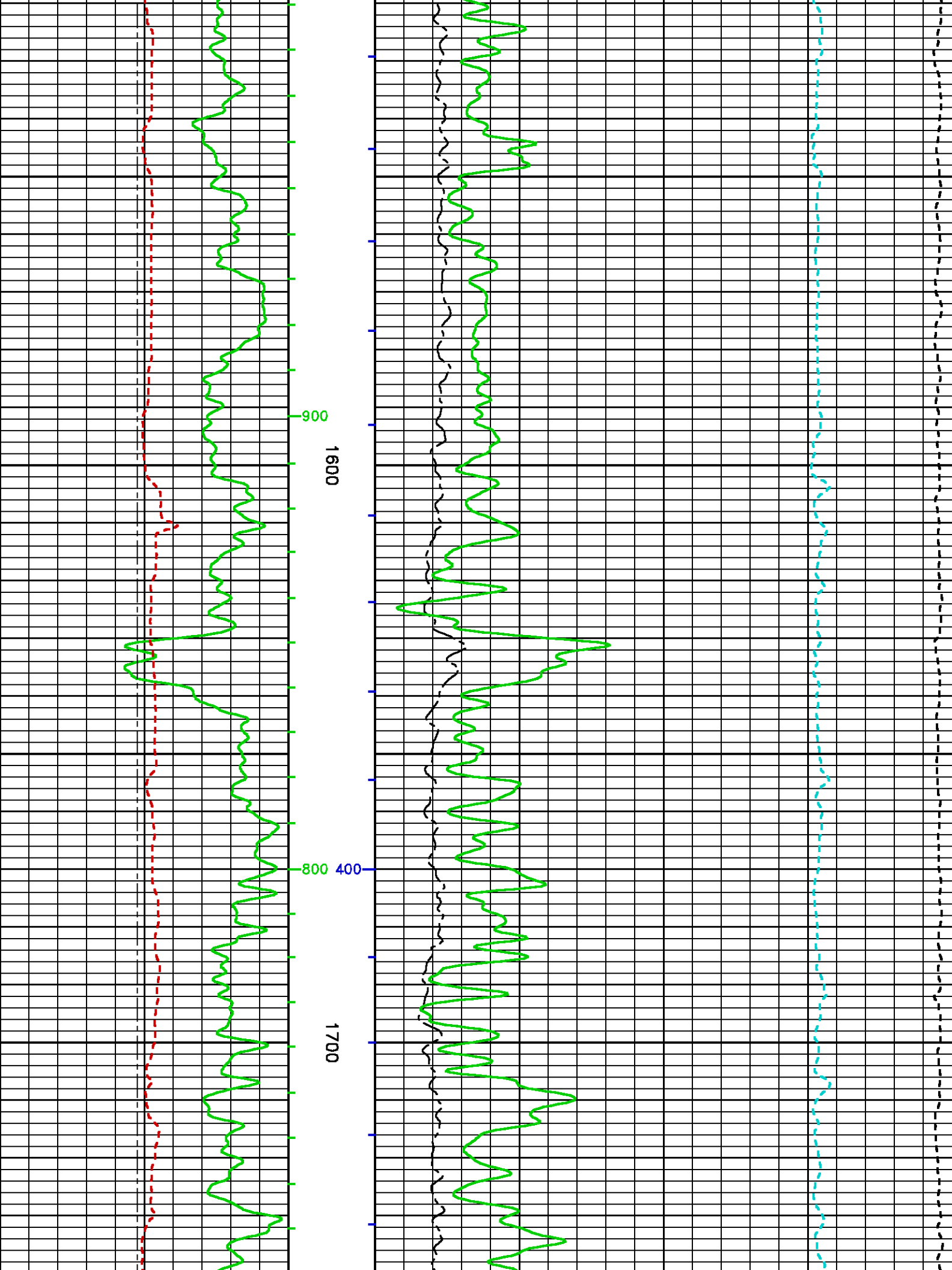


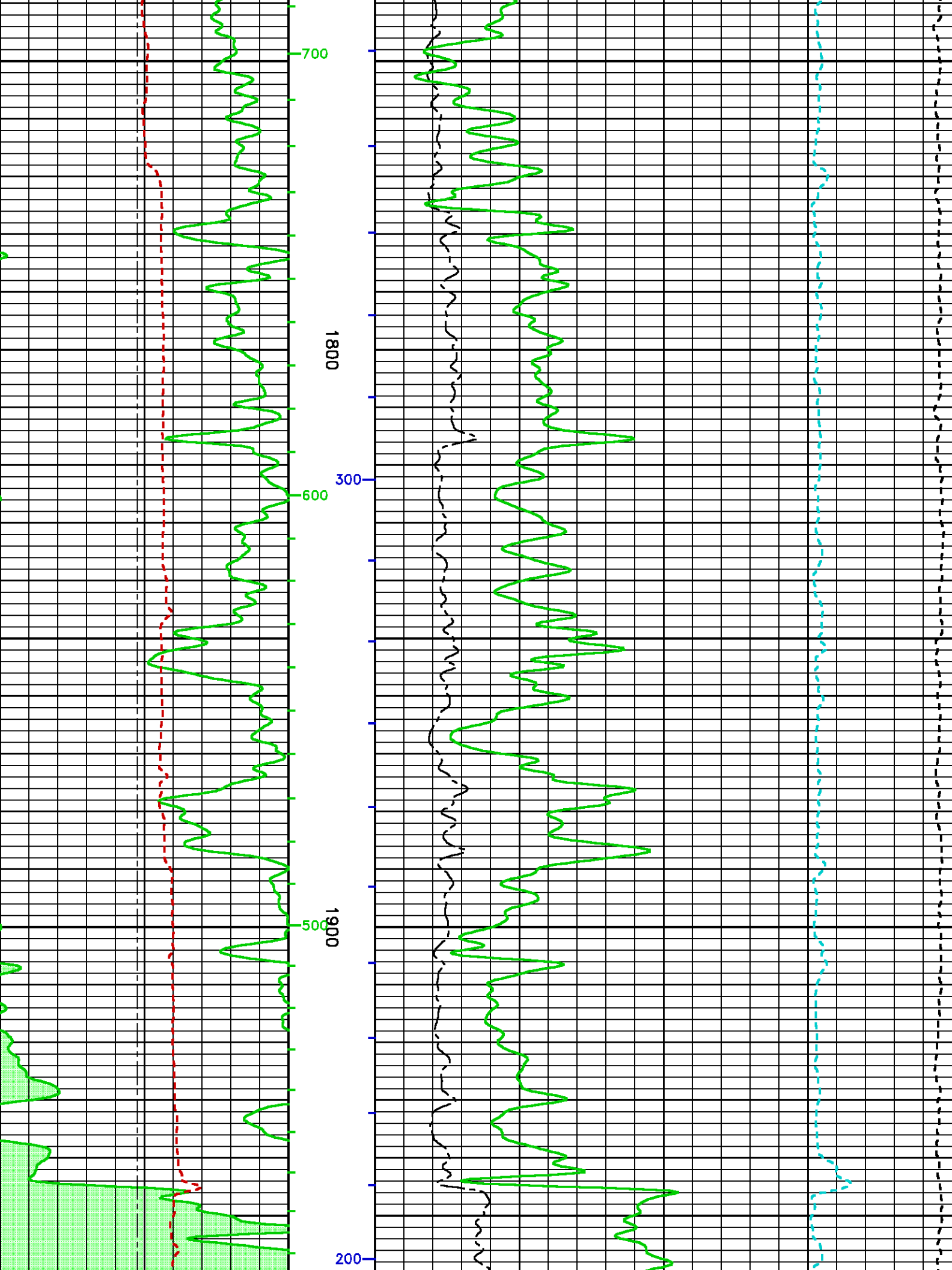


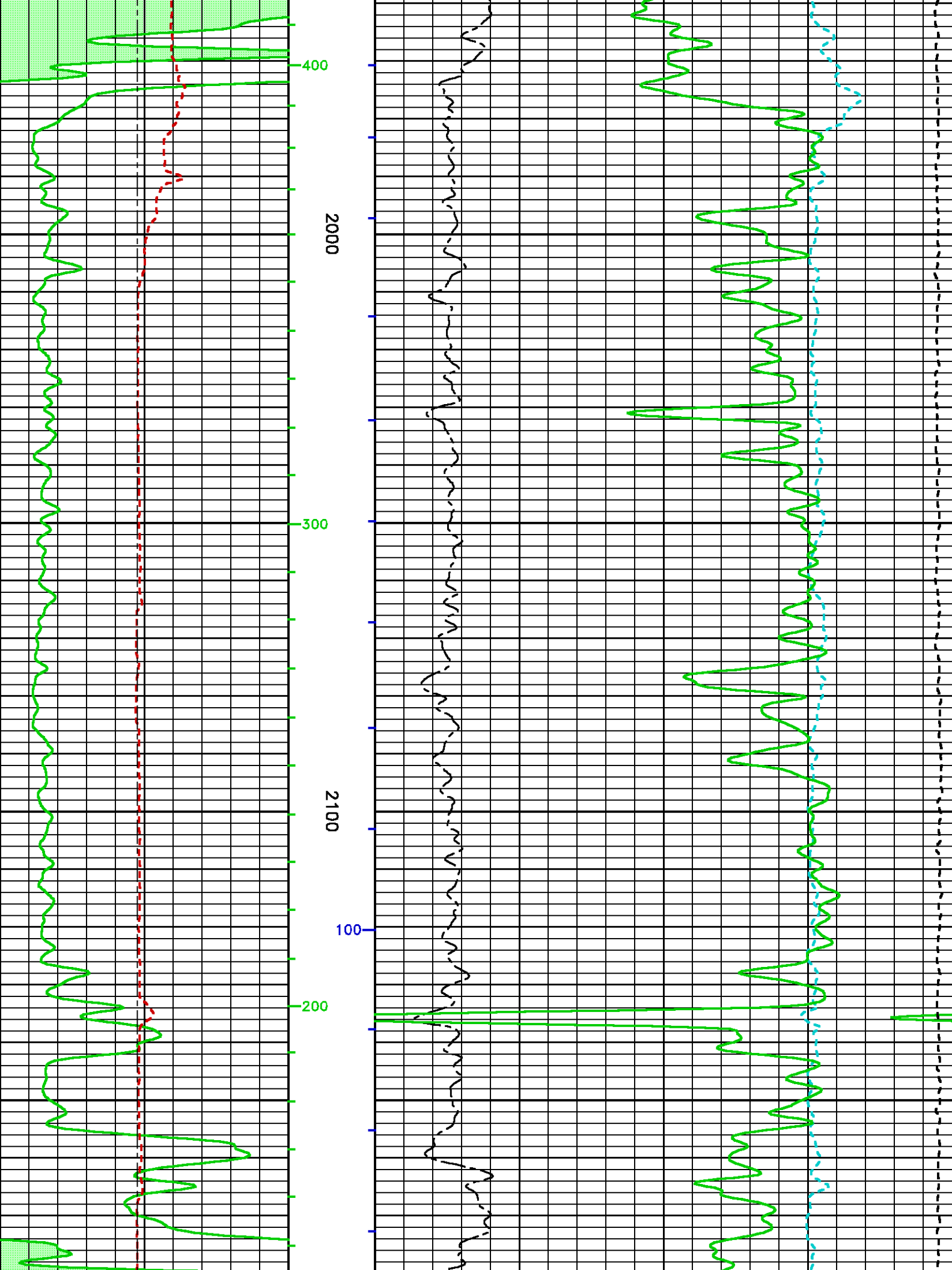


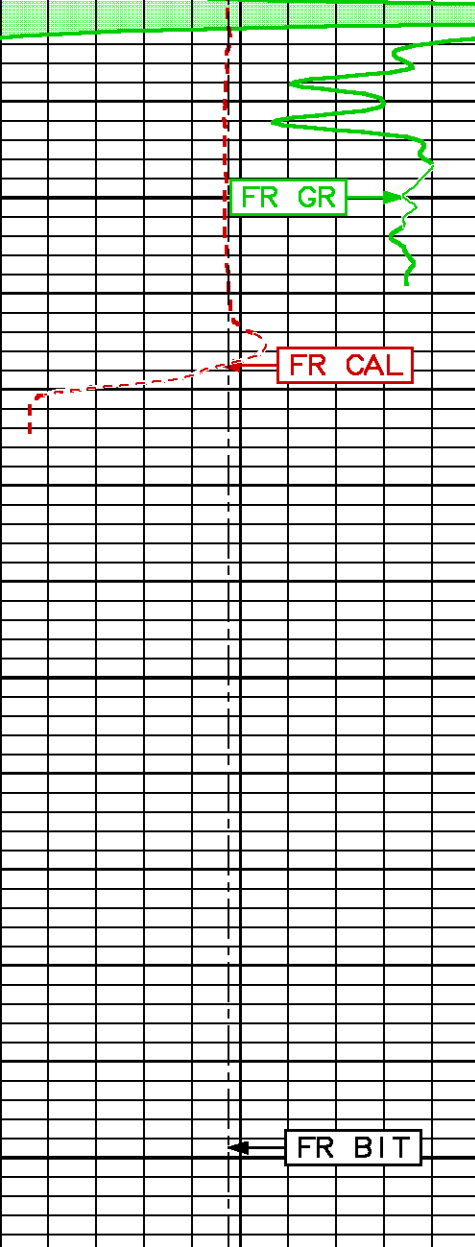












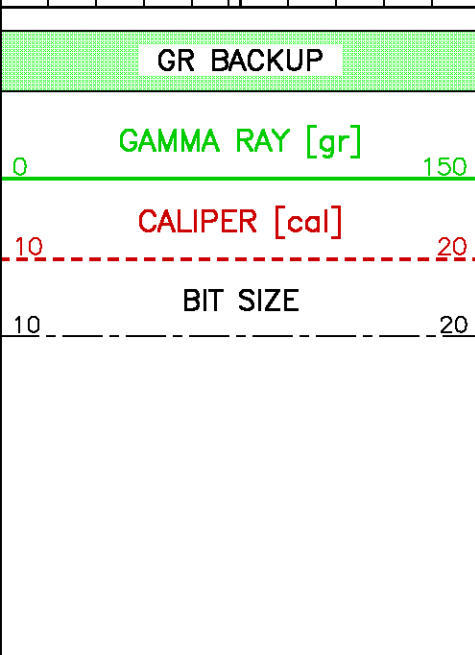
2200

100

FR GR

FR CAL

FR BIT



GR BACKUP

GAMMA RAY [gr]

CALIPER [cal]

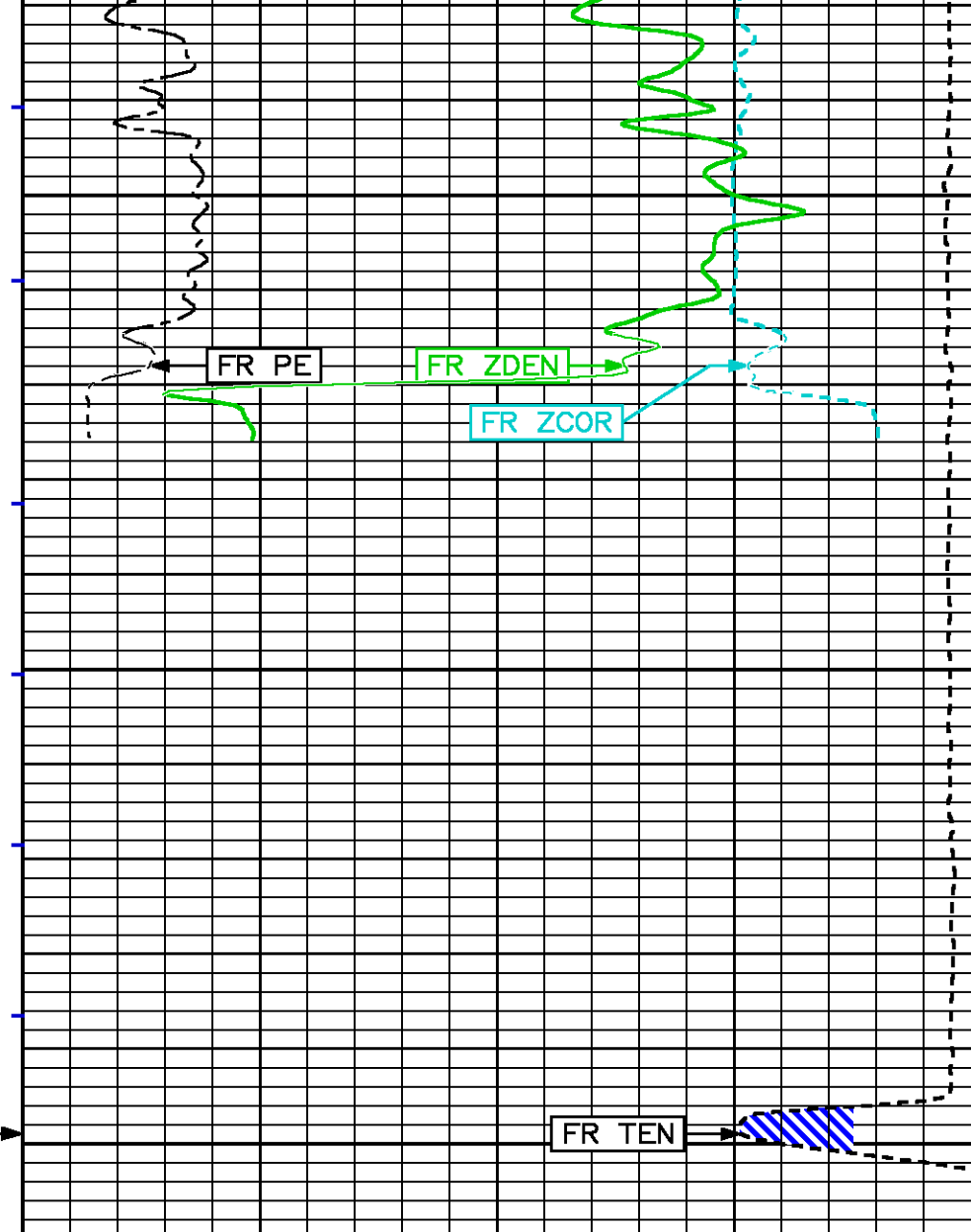
BIT SIZE

BVOL  
10  
100  
1000

CVOL  
10  
100  
1000

FEET

2500

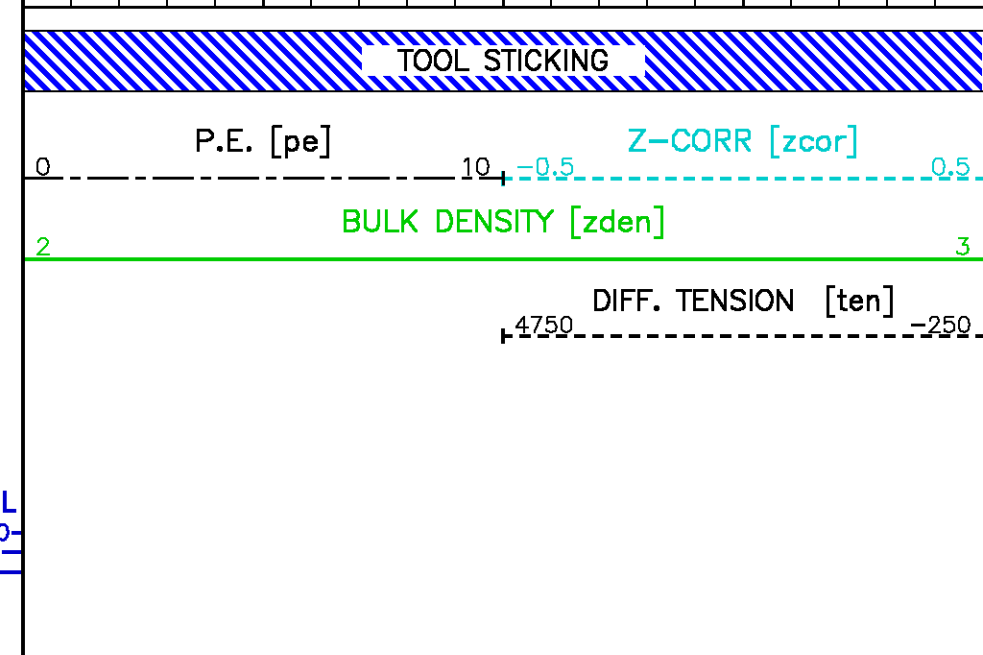


FR PE

FR ZDEN

FR ZCOR

FR TEN



TOOL STICKING

P.E. [pe]

Z-CORR [zcor]

BULK DENSITY [zden]

DIFF. TENSION [ten]

4750

-250

-0.5

0.5

0

2

3

# REPEAT LOG

ECLIPS 6.0i Feb 21, 2008  
Updates: 1

Sun Nov 15 21:08:34 2009

Pcrplt /main/62

Cplot

Pdf\_Cpp /main/16

Fileview 5.42

## PARAMETER AND FILTER SUMMARY REPORT

File: /data/575995/k771103.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 2073.750 ft BOTTOM DEPTH: 2310.250 ft

### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
Y AXIS CALIPER	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"
GR	FILTER ()	medium (1)		"	"
CN	FILTER ()	medium (1)		"	"
CALIPER	FILTER ()	medium (1)		"	"
	FILTER (.h)	medium (1)		"	"
	FILTER (.l)	medium (1)		"	"
ZDL MED RES	FILTER (hrd1*)	medium		"	"
	FILTER (hrd1s*)	medium		"	"
	FILTER (hrd2*)	medium		"	"
	FILTER (hrd2s*)	medium		"	"
	FILTER (soft*)	medium		"	"
ZDL HIGH RES	FILTER (hrd1*)	light		"	"
	FILTER (hrd1s*)	light		"	"
	FILTER (hrd2*)	light		"	"
	FILTER (hrd2s*)	light		"	"

### BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CASING - BOREHOLE & CEMENT VOLUME	CASING O.D.	10.750	in	TOP	BOTTOM
	CASING THICKNESS	0.000	in	"	"
BIT SIZE	BIT SIZE	14.750	in	"	"
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (cnbh*)	USE CALIPER		"	"
BOREHOLE CORR DIAMETER	FIXED DIAMETER (cnbh*)	14.750	in	"	"

### CN PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
2446 CN MATRIX	2446 MATRIX	SANDSTONE		TOP	BOTTOM
CN SALINITY CORRECTION	SALINITY	0	ppm	"	"
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	2.650	g/cm3	TOP	BOTTOM
	RHOfluid	1.000	g/cm3	"	"
ZDL	DENX TRACKING	ON		"	"

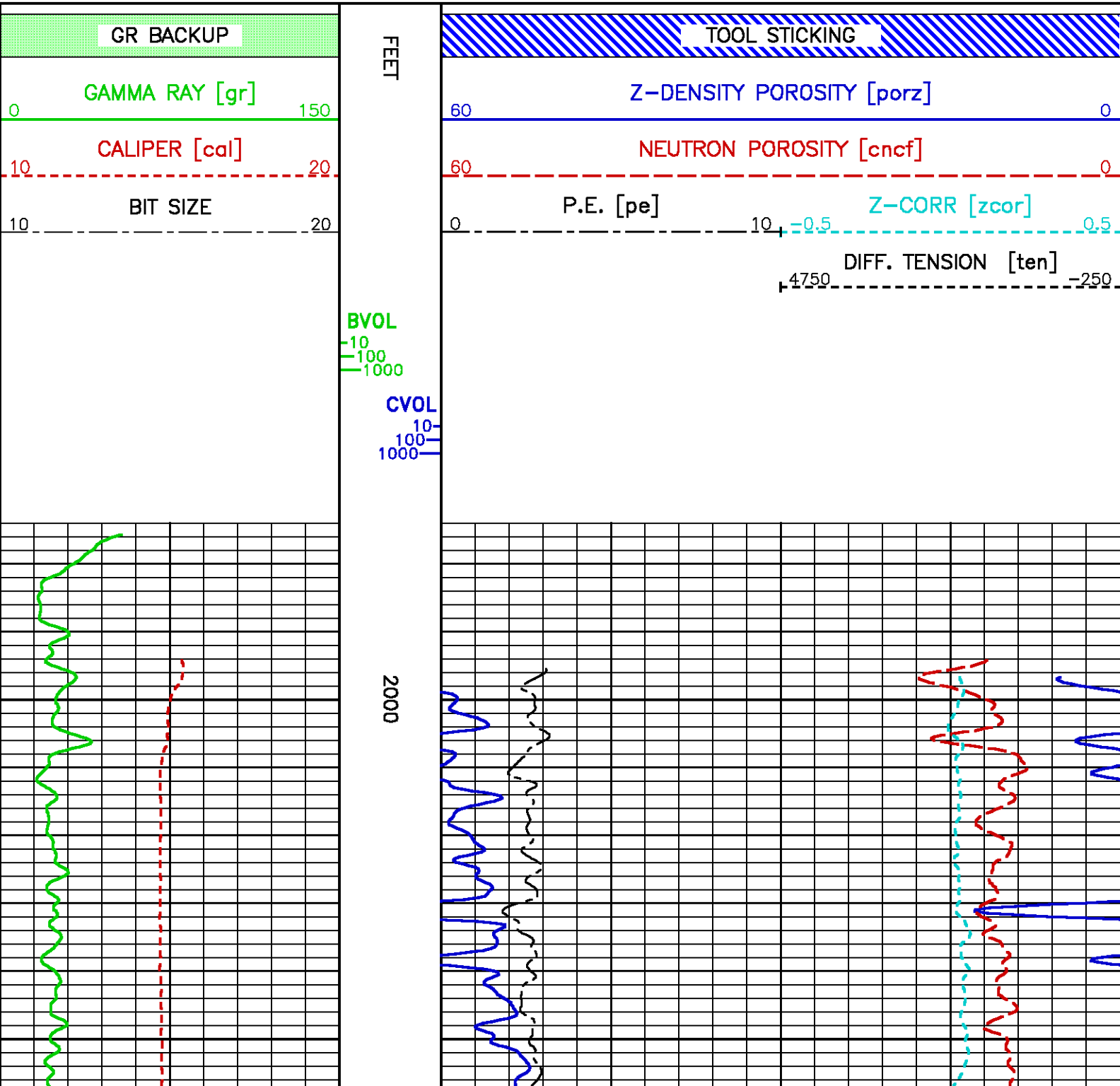
## CURVE DESCRIPTION REPORT

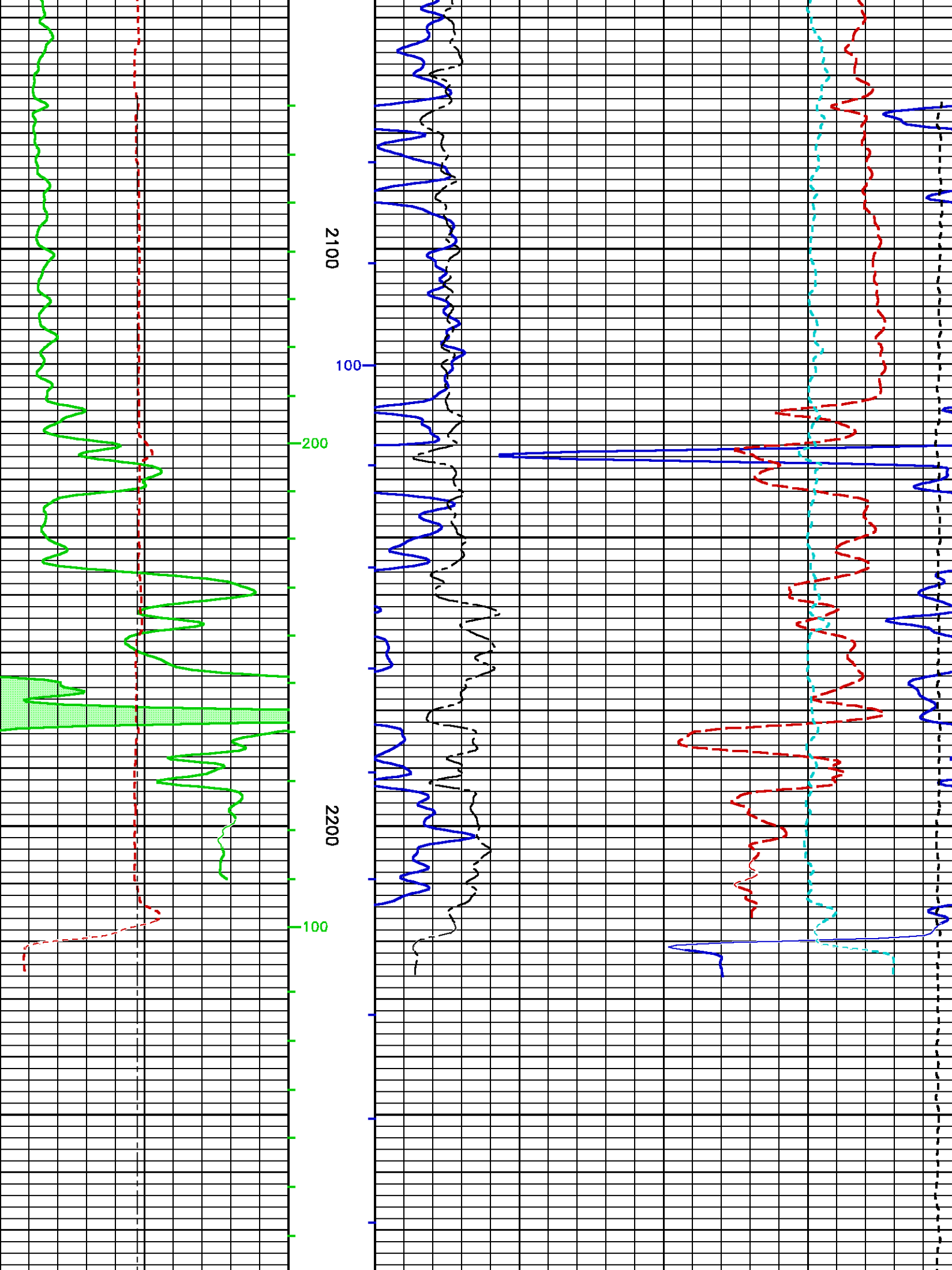
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Nov 15 12:36:34 2009	BIT SIZE
F1:BVOL	BVOL	Nov 15 12:36:34 2009	BOREHOLE VOLUME
F1:CAL	CAL	Nov 15 12:36:34 2009	CALIPER
F1:CNCF	CNCF	Nov 15 12:36:34 2009	FIELD NORMALIZED COMPENSATED NEUTRON POROSITY
F1:CVOL	CVOL	Nov 15 12:36:34 2009	CEMENT VOLUME
F1:GR	GR	Nov 15 12:36:34 2009	GAMMA RAY
F1:PE	PE	Nov 15 12:36:34 2009	PHOTO ELECTRIC CROSS-SECTION
F1:PORZ	PORZ	Nov 15 12:36:34 2009	POROSITY FOR SELECTABLE MATRIX
F1:TEN	TEN	Nov 15 12:36:34 2009	DIFFERENTIAL TENSION

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
BIT	0.00	CNCF	92.00	PE	81.00	TEN	0.00
CAL	81.50	GR	99.00	PORZ	81.00	ZCOR	81.00

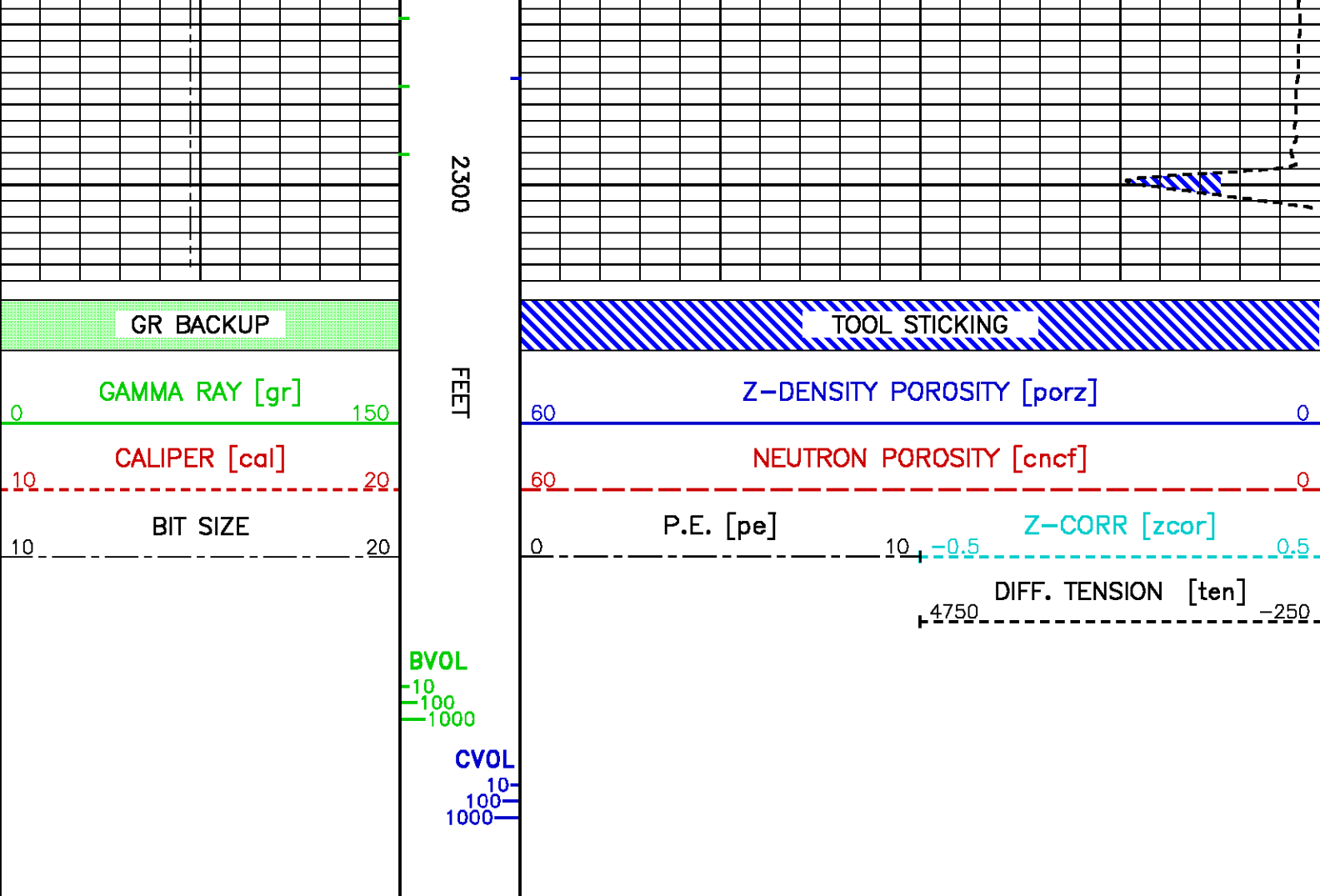
Presentation : cpu1:/dat1a/575995/ZDLCN\_REPEAT.pdf [5"/100' Scale]  
Plot Interval : 1975.75 - 2310.25 Feet

Data File 1 : F1 : cpu1:/dat1a/575995/k771103.aff  
Created On : Nov 15 12:36:34 2009  
Company : SIERRA GEOTHERMAL POWER, INC.  
Well : ALUM 25-29  
Field : ALUM  
File Interval : 1981.25 - 2310.25 Feet  
Oct : k7711









## CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/575995/k771l.tp1

### GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 10203000

DATE/TIME PERFORMED: Sun Oct 25 14:28:31 2009

UNIT #: 3885TD ML4232

CALB JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	GR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	269.02	1162.96	893.9 830.0 960.0	0.168	45.14	195.14	150

### GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 10203000

DATE/TIME PERFORMED: Sun Oct 25 14:33:28 2009

UNIT #: 3885TD ML4232

VERI JIG #: 4702NK DA-321

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	269.44	1191.73	0.168	45.21	199.97	154.76 140.00 180.00

### GR BEFORE LOG VERIFICATION SUMMARY



## CN AFTER LOG VERIFICATION SUMMARY

TOOL #: **2446XA 179981** DATE/TIME PERFORMED: **Sun Nov 15 14:40:25 2009** DAYS SINCE CAL: **21**

UNIT #: **3885TD ML4232** ICE BLOCK #: **4717ND OD-112**

	MEASURED CPS	DEADTM CPS	CORR	DTC SSN/LSN	CORRECTION FACTOR	DTC CORR SSN/LSN	POROSITY (pu)
LSN	<b>1675.10</b>	<b>1745.30</b>					
SSN	<b>3945.06</b>	<b>4283.10</b>					
RATIO				<b>2.45408</b>	<b>1.02819</b>	<b>2.52467</b>	
CN							<b>18.195</b> <small>14.378 18.379</small>

## CAL PRIMARY CALIBRATION SUMMARY

TOOL #: **2234XA 10334913** DATE/TIME PERFORMED: **Sun Oct 25 11:23:52 2009**

UNIT #: **3885TD ML4232**

	SMALL RING CALIPER	LARGE RING	MULT	ADD	SMALL RING (In)	LARGE RING (In)
	<b>1746.0</b>	<b>2563.6</b>	<b>0.00749</b>	<b>-5.20505</b>	<b>7.875</b>	<b>14.000</b>

## CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: **2234XA 10334913** DATE/TIME PERFORMED: **Sun Nov 15 12:03:07 2009** DAYS SINCE CAL: **21**

UNIT #: **3885TD ML4232**

	I.D.	MULT	ADD	I.D. (In)
CALIPER	<b>2729.6</b>	<b>0.00749</b>	<b>-5.43863</b>	<b>15.010</b>

## CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: **2234XA 10334913** DATE/TIME PERFORMED: **Sun Nov 15 14:09:05 2009** DAYS SINCE CAL: **21**

UNIT #: **3885TD ML4232**

	I.D.	MULT	ADD	I.D. (In)
CALIPER	<b>2739.2</b>	<b>0.00749</b>	<b>-5.43863</b>	<b>15.082</b> <small>14.510 15.510</small>

## ZDL PRIMARY CALIBRATION SUMMARY

TOOL: **2234XA 10334913** DATE/TIME PERFORMED: **Sun Oct 25 11:51:34 2009**

UNIT: **3885TD ML4232** CALB BLKS: **2225XA 094299** CS SRC: **4705XA 27781B**

	SS CS PK (Channel)	LS CS PK (Channel)	SS_BKGD (cps)	LS BKGD (cps)			
	<b>225.3</b> <small>220.0 230.0</small>	<b>225.1</b> <small>220.0 230.0</small>	<b>1363.3</b>	<b>1697.9</b>			
MG (LO PE)	<b>27679.6</b>	<b>14416.8</b>	<b>0.615</b> <small>0.565 0.665</small>	<b>1.699</b>	<b>0.003</b>	<b>2.150</b>	
AL	<b>16156.7</b>	<b>1444.9</b>		<b>2.695</b>	<b>-0.009</b>		
AL + SHIM	<b>22362.0</b>	<b>2545.5</b>		<b>2.613</b>	<b>0.157</b>		
MG + SHIM (HI PE)	<b>13486.0</b>	<b>6894.9</b>	<b>0.248</b>			<b>8.700</b>	

RATIO AL + SHIM/AL

RATIO MG/AL

	1.38		1.78
1.32	1.42	1.84	1.84
	1.71		9.98
1.65	1.78	8.40	10.20

0.210 0.270

## ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10334913 DATE/TIME PERFORMED: Fri Nov 13 12:30:53 2009 DAYS SINCE CAL: 19

UNIT #: 3885TD ML4232

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1703.9	224.6	1278.5
	1597.9 1797.9	220.0 230.0	1100.0 1550.0
SS	1350.5	224.5	1313.6
	1263.3 1463.3	220.0 230.0	1100.0 1550.0
	LV (V)	PAD CURRENT (mA)	
	5.0	76.1	
	4.8 5.2	60.0 120.0	

## ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2234XA 10334913 DATE/TIME PERFORMED: Sun Nov 15 14:45:51 2009 DAYS SINCE CAL: 21

UNIT #: 3885TD ML4232

	TOTAL (cps)	CSPK (Channel)	HV (V)
LS	1686.1	224.0	1269.9
	1597.9 1797.9	220.0 230.0	1100.0 1550.0
SS	1343.1	223.0	1299.6
	1263.3 1463.3	220.0 230.0	1100.0 1550.0
	LV (V)	PAD CURRENT (mA)	
	5.0	66.7	
	4.8 5.2	60.0 120.0	

## INSTRUMENT CONFIGURATION

Source File: /dat1a/575995/k771f--tdg

## CABLEHEAD

Series : CABL338  
 Mnemonic : CBLH  
 Diameter : 3.38"  
 Weight : 24 lbs  
 Length : 5.50'

## SWIVEL

Series : 3944XD  
 Mnemonic : SWVL

## TTRM SUB

Series : 3981XA  
 Mnemonic : TTRM  
 Diameter : 3.63"

## WTS COMMON REMOTE

Series : 3514XD

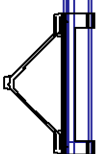


123.98'

CABLEHEAD TOP 121.23'

TEMP MP 112.70'  
RM MP 112.45'

Series : 3514XB  
Mnemonic : WTS  
Diameter : 3.63"  
Weight : 126 lbs  
Length : 6.36'



#### DIGITAL SPECTRALOG

Series : 1329XA  
Mnemonic : DSL  
Diameter : 3.63"  
Weight : 130 lbs  
Length : 7.31'

GR MP — 99.24'

#### COMPENSATED NEUTRON

Series : 2446XA  
Mnemonic : CN  
Diameter : 3.63"  
Weight : 150 lbs  
Length : 7.59'

LSN MP — 92.68'  
SSN MP — 92.29'

#### Z-DENSILOG

Series : 2234XA  
Mnemonic : ZDL  
Diameter : 4.88"  
Weight : 360 lbs  
Length : 11.22'

CAL MP — 82.02'  
LSD MP — 81.31'  
SSD MP — 80.91'

#### KNUCKLE JOINT (DOUBLE)

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

#### HIGH DEFINITION INDUCTION TOOL

Series : 1515XA  
Mnemonic : HDIL  
Diameter : 3.62"  
Weight : 415 lbs  
Length : 27.13'

SP MP — 60.95'

XMTR MP — 54.49'

#### DIGITAL ORIENTATION

Series : 4401XB  
Mnemonic : ORIT  
Diameter : 3.38"  
Weight : 110 lbs  
Length : 10.81'

ARRAY ACOUSTILOG ELECTRONICS, 8 CHANNEL

Series : 1677EA  
Mnemonic : XMAC  
Diameter : 3.38"  
Weight : 102 lbs  
Length : 7.82'

CROSS MULTIPOLE ARRAY ACOUSTILOG

Series : 1678MC  
Mnemonic : XMF1  
Diameter : 3.75"  
Weight : 224 lbs  
Length : 10.91'

SHEAR WAVE ACOUSTILOG

Series : 1678PB  
Mnemonic : XMAC  
Diameter : 3.63"  
Weight : 135 lbs

MULTI-POLE ARRAY ACOUSTIC

Series : 1678BA  
Mnemonic : XMAC  
Diameter : 3.88"  
Weight : 170 lbs  
Length : 7.92'

MULTI-POLE ARRAY ACOUSTIC

Series : 1678FA  
Mnemonic : MAC  
Diameter : 3.38"  
Weight : 58 lbs

BULL PLUG 3 3/8

TOTAL LENGTH: 123.98'  
TOTAL WEIGHT: 2257 lbs  
MAX DIAMETER: 0'4.88"

ORIENT MP — 36.24'

R8 — 23.01'  
R7 — 22.51'  
R6 — 22.01'  
R5 — 21.51'  
R4 — 21.01'  
R3 — 20.51'  
R2 — 20.01'  
R1 — 19.51'

MONOPOLE T2 — 11.01'  
QUADRUPOLE T5 — 11.01'  
X-DIPOLE T3 — 9.26'  
Y-DIPOLE T4 — 9.26'  
MONOPOLE T1 — 7.52'

0.00'



COMPANY  
WELL  
FIELD  
COUNTY

SIERRA GEOTHERMAL POWER, INC.  
ALUM 25-29  
ALUM  
ESMERALDA

STATE NEVADA

FILE NO:

API NO:

27-009-90074

LOCATION:

2235.18' FSL & 938.11' FWL  
SW/C

SEC 29 TWP 1N RGE 38.5E

ELEVATIONS:

KB 4919.57 FT  
DF  
GL 4903.57 FT

DATE

15-NOV-2009