



CROSS-MULTIPOLE ARRAY ACOUSTILOG
GAMMA RAY LOG
X-Y AXIS CALIPER LOG

FILE NO:	COMPANY	MGM ENERGY CORP	
API NO:	WELL	MGM SHELL EAST MACKAY I-78	
	FIELD	EAST MACKAY	
	PROVINCE	NORTHWEST TERRITORIES	
Ver. 3.87	LOCATION:		
LICENSE: 1202	LAT 64.795	LONG -125.722	OTHER SERVICES 2ZDL-CN-GR-XYCAL HDIL-GR-CAL, CVL
PERMANENT DATUM	G.L.	ELEVATION	155.00 M
LOG MEASURED FROM	K.B.	6.2 M	ABOVE P.D.
DRILL. MEAS. FROM	KELLY BUSHING		
			ELEVATIONS: KB 161.2 M DF GL 155.00 M

DATE	29-JAN-2013	
RUN	TRIP	1
SERVICE ORDER	CA215445	
DEPTH DRILLER	405.2 M	
DEPTH LOGGER	404.0 M	
BOTTOM LOGGED INTERVAL	378.7 M	
TOP LOGGED INTERVAL	23.0 M	
CASING DRILLER	406.4 MM	
CASING LOGGER	22.5 M	
BIT SIZE	311.0 MM	
TYPE OF FLUID IN HOLE	MILL GEL MUD SLURRY	
DENSITY	VISCOSITY	1140.0 G/L 78] S
PH	FLUID LOSS	8.0 10.6 ML
SOURCE OF SAMPLE	FLOWLINE	
RM AT MEAS. TEMP.	1.60 OHMM	
RMF AT MEAS. TEMP.	1.20 OHMM	
RMC AT MEAS. TEMP.	2.20 OHMM	
SOURCE OF RMF	RMC	MEASURED
RM AT BHT	1.40 OHMM	
TIME SINCE CIRCULATION	10.0 HOURS	
MAX. RECORDED TEMP.	26.3 DEGC	
EQUIP. NO.	LOCATION	Z008672 CANADA OPEN
RECORDED BY	I.ZALESKI KH	
WITNESSED BY	D.PRIOR	

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT, BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCE 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	22.5 M	405.2 M
FROM	TO	

CASING RECORD			
SIZE	406.4 MM	WEIGHT	81.8 KG/M
GRADE	NA	FROM	0.0 M
		TO	22.5 M

REMARKS

RUN 1 TRIP 1 : TIME STOPPED CIRCULATION: 29-JAN-2013 11:30 AM

MAXIMUM TEMPERATURE ON THERMOMETERS: 26 AND 26 DEGC
TEMPERATURE LOG WAS RECORDED ON THE WAY DOWN.

INTEGRATED TRANSIT TIME TICS EVERY: 1.0, 10.0, & 100.0 μ SEC.

RIG: AKITA #37

CREW: I.ZALESKI KH, J.PEREIRA, N.MCDERMID, K.HASLUK

EQUIPMENT DATA

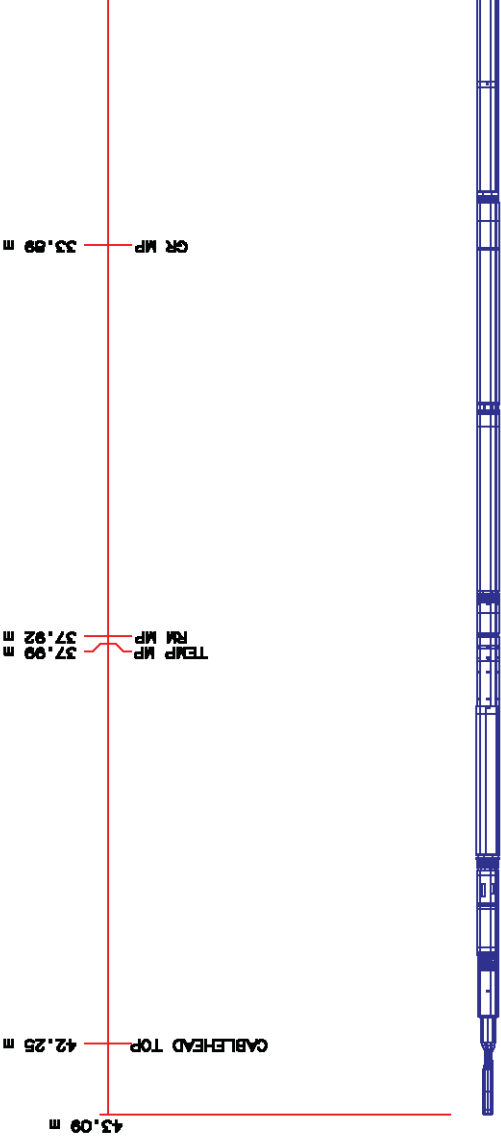
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	2044XND	2044XND	40647050	TRIP

1	1	SWIVEL	3944XD	10313030	FREE
1	1	DHPA	4430XB	10390592	FREE
1	1	TTRM SUB	3981XB	10516528	FREE
1	1	COMM	3514XB	10504656	FREE
1	1	WTS DGR/SU	1329XB	10293862	FREE
1	1	ORIT	4401XB	12466129	FREE
1	1	ACOUSTIC EL	1677EA	10383992	CENTRALIZED
1	1	XMAC RX MDR	1678MC	10386815	CENTRALIZED
1	1	XMAC ISO	1678PB	10039369	FREE
1	1	XMAC TX ELC	1678BA	12168167	CENTRALIZED
1	1	XMAC TX ELC	1678FA	12188364	CENTRALIZED
1	1	WTS DBL KNU	3939XA	12448499	FREE
1	1	FOC/WTS ADP	3527EA	123337591	FREE
1	1	FOC/WTS ADP	3527FA	12494796	FREE
1	1	TMA SUB	3980XA	2402456	FREE
1	1	FOCUS CN	2436XA	10105638	DECENTRALIZED
1	1	FOCUS ZDEN	2223XA	10391896	PAD DEVICE
1	1	DBL KNUIT	3931XA	10469360	FREE
1	1	ALIGNMNT SUB	4408NA	10265502	FREE
1	1	FOCUS ZDEN	2223XA	10102923	PAD DEVICE
1	1	DBL KNUIT	3931XA	10189700	FREE
1	1	FOCUS HDL	1530XA	10125755	STANDOFF

INSTRUMENT CONFIGURATION

Source File: /data/MGM/run1_oh/m980g_mgm_R1-tdg

CABLEHEAD	Diameter	: 8.6 cm
	Length	: 167.6 cm
	Weight	: 10.9 kg
	Series	: CABL338
	Mnemonic	: OBLH
SWIVEL	Measure Point:	: 83.8 cm: CABLEHEAD TOP
	Diameter	: 8.6 cm
	Length	: 106.7 cm
	Weight	: 30.9 kg
	Series	: 3944XD
DOWNHOLE POWER ADAPTER	Diameter	: 9.2 cm
	Length	: 190.7 cm
	Weight	: 39.1 kg
	Series	: 4430XB
	Mnemonic	: DHPA
TTRM SUB	Diameter	: 9.2 cm
	Length	: 116.8 cm
	Weight	: 28.2 kg
	Series	: 3981XA
	Mnemonic	: TTRM
WTS COMMON REMOTE	Diameter	: 9.2 cm
	Length	: 194.0 cm
	Weight	: 57.3 kg
	Series	: 3514XB
	Mnemonic	: WTS
DIGITAL SPECTRALOG	Diameter	: 9.2 cm
	Length	: 222.8 cm
	Weight	: 59.1 kg
	Series	: 1329XA
	Mnemonic	: DSL
Measure Point:	48.8 cm: GR MP	
DIGITAL ORIENTATION	Diameter	: 8.6 cm
	Length	: 329.4 cm
	Weight	: 50.0 kg
	Series	: 4401XB
	Mnemonic	: ORIT



Array Acoustilog Electronics, B Channel
Diameter
Length
Weight
Series
Mnemonic

CROSS MULTIPOLE ARRAY ACOUSTILOG

Diameter
Length
Weight
Series
Mnemonic
Mnemonic
Series
Weight
Length
Diameter

SHEAR WAVE ACOUSTILOG

Mnemonic
Series
Weight
Length
Diameter

MULTI-POLE ARRAY ACOUSTIC

Diameter
Length
Weight
Series
Mnemonic
Mnemonic
Series
Weight
Length
Diameter

MULTI-POLE ARRAY ACOUSTIC

Diameter
Length
Weight
Series
Mnemonic

KNUCKLE JOINT (DOUBLE)

Diameter
Length
Weight
Series
Mnemonic

WTS FOCUS TELEMETRY TRANSFORMER SUB

Diameter
Length
Weight
Series
Mnemonic

WTS FOCUS POWER ADAPTOR

Diameter
Length
Weight
Series
Mnemonic

FOCUS TBN/TBNP/WUP RES/ACCEL

Diameter
Length
Weight
Series
Mnemonic

FOCUS COMPENSATED NEUTRON

Diameter
Length
Weight
Series
Mnemonic

FOCUS Z-DENSILOG

Diameter
Length
Weight
Series
Mnemonic
Mnemonic
Series
Weight
Length
Diameter

FOCUS KNUCKLE JOINT

ORIENT MP 30.11 m

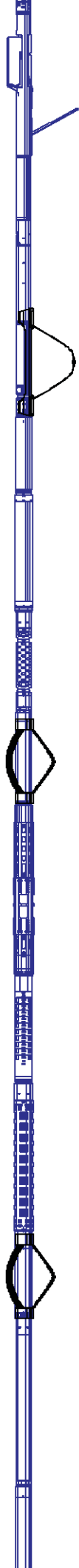
R8
R7
R6
R5
R4
R3
R2
R1

MONOPOLE T2
QUADRUPOLE T5
X-DIPOLE T3
Y-DIPOLE T4
MONOPOLE T1

LSN MP
SSN MP

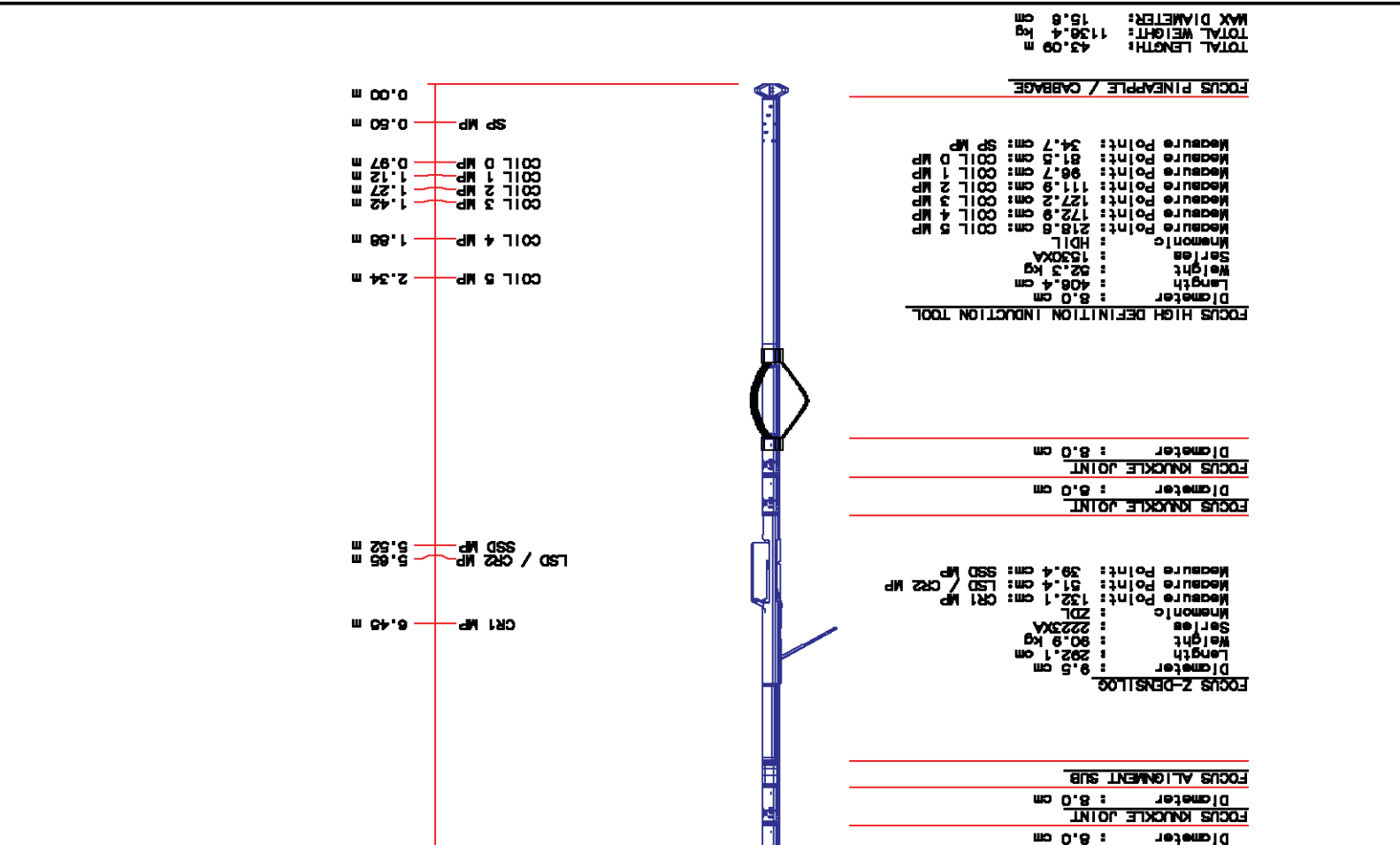
CR1 MP 10.59 m

LSD / CR2 MP
SSD MP



MAIN LOG - UPPER PRESENTATION

express 3.2 Last updated 03Oct2011 09:44 Oct 03, 2011
Updates: 1
Perfht / main/61
Cplot 9.16
Pdf_Cpp / main/16
Fileview 4.97
Tue Feb 5 09:51:56 2013



DELTA 1 CURVE SELECTION	D124 SOURCE	AVAN D124	TOP	BOTTOM
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MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC AVAN CORRELATION				
MONOPOLE DELTA 1	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	100	us/m	TOP
	FLOOR (UNIV. OPTION)	550	us/m	TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	100	us/m	TOP
	FLOOR (UNIV. OPTION)	550	us/m	TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC WAVEFORM FILTER				

WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON	Hz	TOP
	LOW FREQ CUTOFF	2000	Hz	TOP
	HIGH FREQ CUTOFF	20000	Hz	BOTTOM

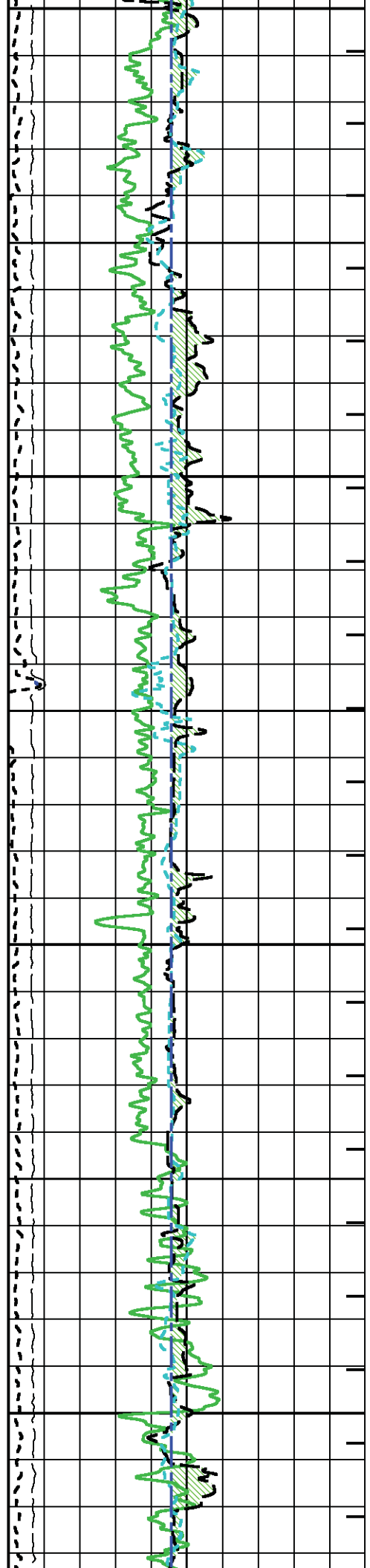
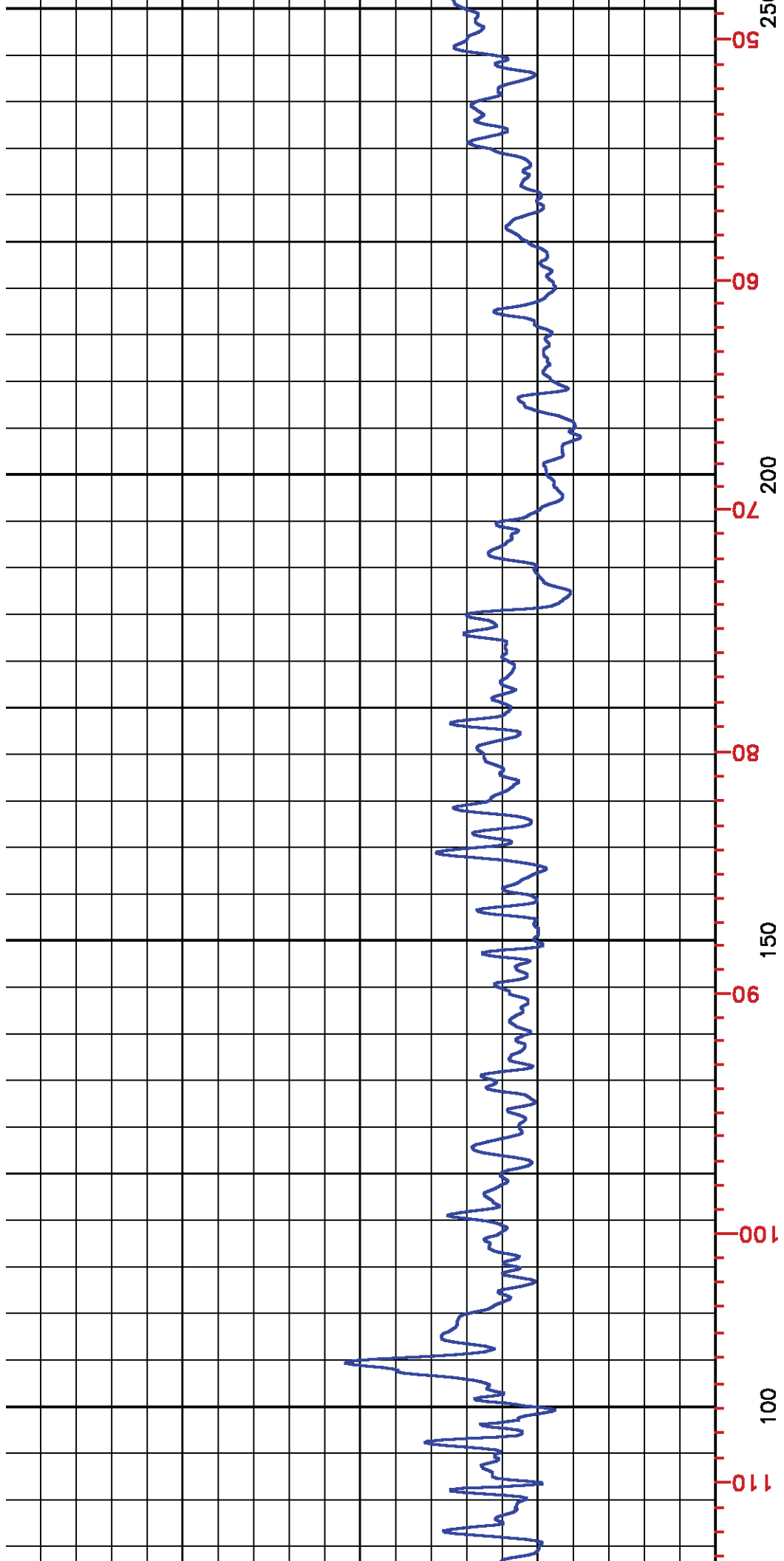
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC TCC CONTROL PARAMETERS				
GENERAL TCC PARAMETERS	AGC	ON		TOP
	SUBCYCLE LENGTH	50		TOP
	SUBSET	1		TOP
	STACK LEVEL	2		TOP
	DSP FILTER	ON		TOP
GENERAL MONOPOLE TCC PARAMETERS	AGC WINDOW	1664	us	TOP
	MOVEOUT	16	us/ft	TOP
	SAMPLE PERIOD	240	us	TOP
	RX DELAY	24	us	TOP
	AGC WINDOW	8064	us	TOP
	SAMPLE PERIOD	24	us	TOP
	RX DELAY	24	us	TOP
	AGC WINDOW	8064	us	TOP
	SAMPLE PERIOD	24	us	TOP
	RX DELAY	24	us	TOP
ACCELERATION PROCESSING				
FULL WAVE MONOPOLE TCC PARAMETERS	AGC WINDOW	1664	us	TOP
	MOVEOUT	16	us/ft	TOP
	SAMPLE PERIOD	240	us	TOP
	RX DELAY	24	us	TOP
	AGC WINDOW	8064	us	TOP
	SAMPLE PERIOD	24	us	TOP
	RX DELAY	24	us	TOP
	AGC WINDOW	8064	us	TOP
	SAMPLE PERIOD	24	us	TOP
	RX DELAY	24	us	TOP

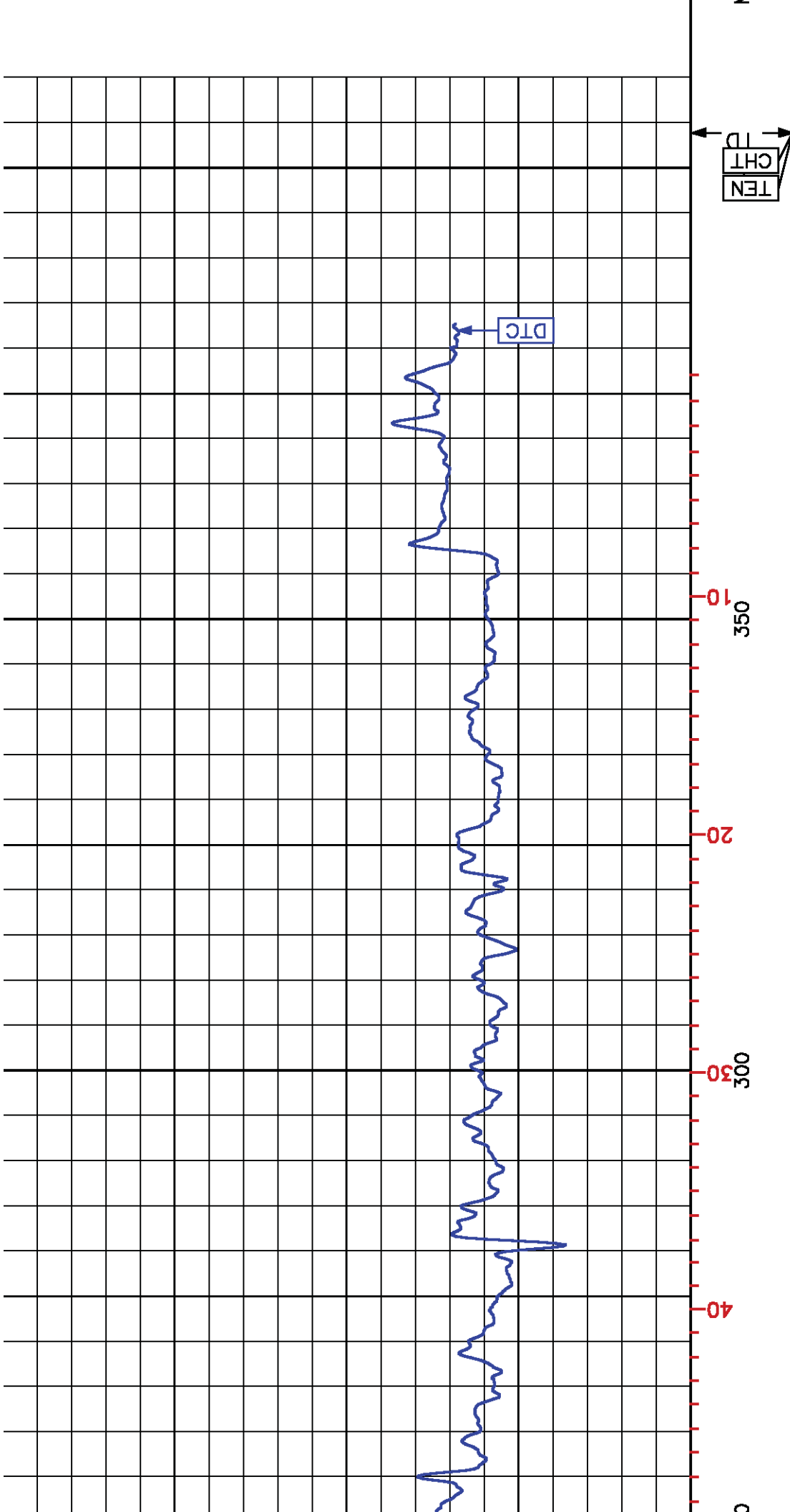
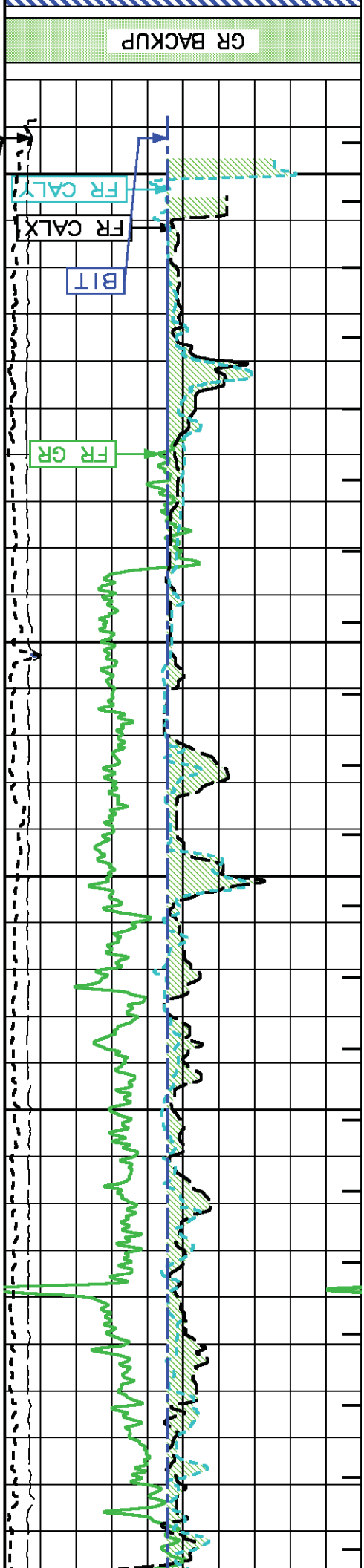
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION OFF	TOP	BOTTOM
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CURVE DESCRIPTION REPORT				
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION	

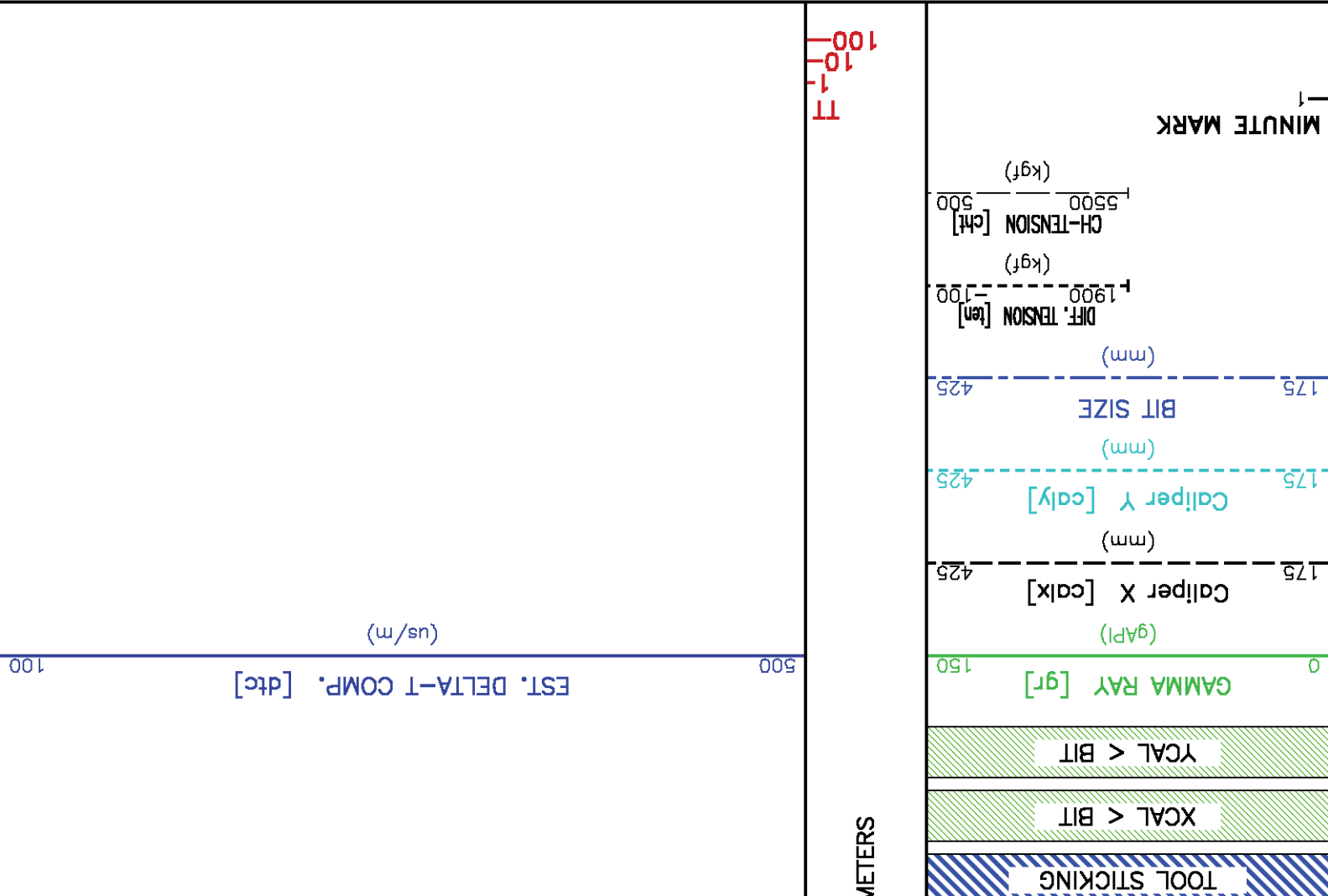
F1:BIT	BIT	Jan 29 21:27:27 2013	BIT SIZE	
F1:CALX	CALX	Jan 29 21:27:27 2013	CALIPER FROM X AXIS OF X-Y CALIPER(S)	
F1:CALY	CALY	Jan 29 21:27:27 2013	CALIPER FROM Y AXIS OF X-Y CALIPER(S)	
F1:CHT	CHT	Jan 29 21:27:27 2013	CABLE HEAD TENSION	
F1:DTC	DTC	Jan 31 13:34:48 2013	COMPRESSIONAL WAVE SLOWNESS	
F1:GR	GR	Jan 29 21:27:27 2013	GAMMA RAY	
F1:MMRK	MMRK	Jan 29 21:27:27 2013	MINUTE MARK	
F1:TEN	TEN	Jan 29 21:27:27 2013	DIFFERENTIAL TENSION	
F1:TIGI	TT.1	Jan 29 21:27:27 2013	INTEGRATED TRAVEL TIME FROM ACOUSTIC DELTA-1	

CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	CALY	5.49	DTC	25.37
CALX	9.64	CHT	0.00	GR	33.76
				TEN	0.00





MAIN LOG



express 3.2 Last updated 03Oct2011 09:44 Oct 03, 2011

Tue Feb 5 09:50:39 2013

Updates: 1

Perph / main/61

Cplot 9.16

Pdt_Cpp / main/16

Fileview 4.97

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/215445/m980g07.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER ()	medium (1)	TOP	TOP
TENSION	FILTER ()	medium (1)	TOP	TOP
GR	FILTER ()	medium (1)	TOP	TOP
DT24	FILTER ()	light (2)	TOP	TOP
CALIPER	FILTER ()	medium (1)	TOP	TOP
CN MED RES	FILTER ()	medium (1)	TOP	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
SYMMETRIC FILTER				

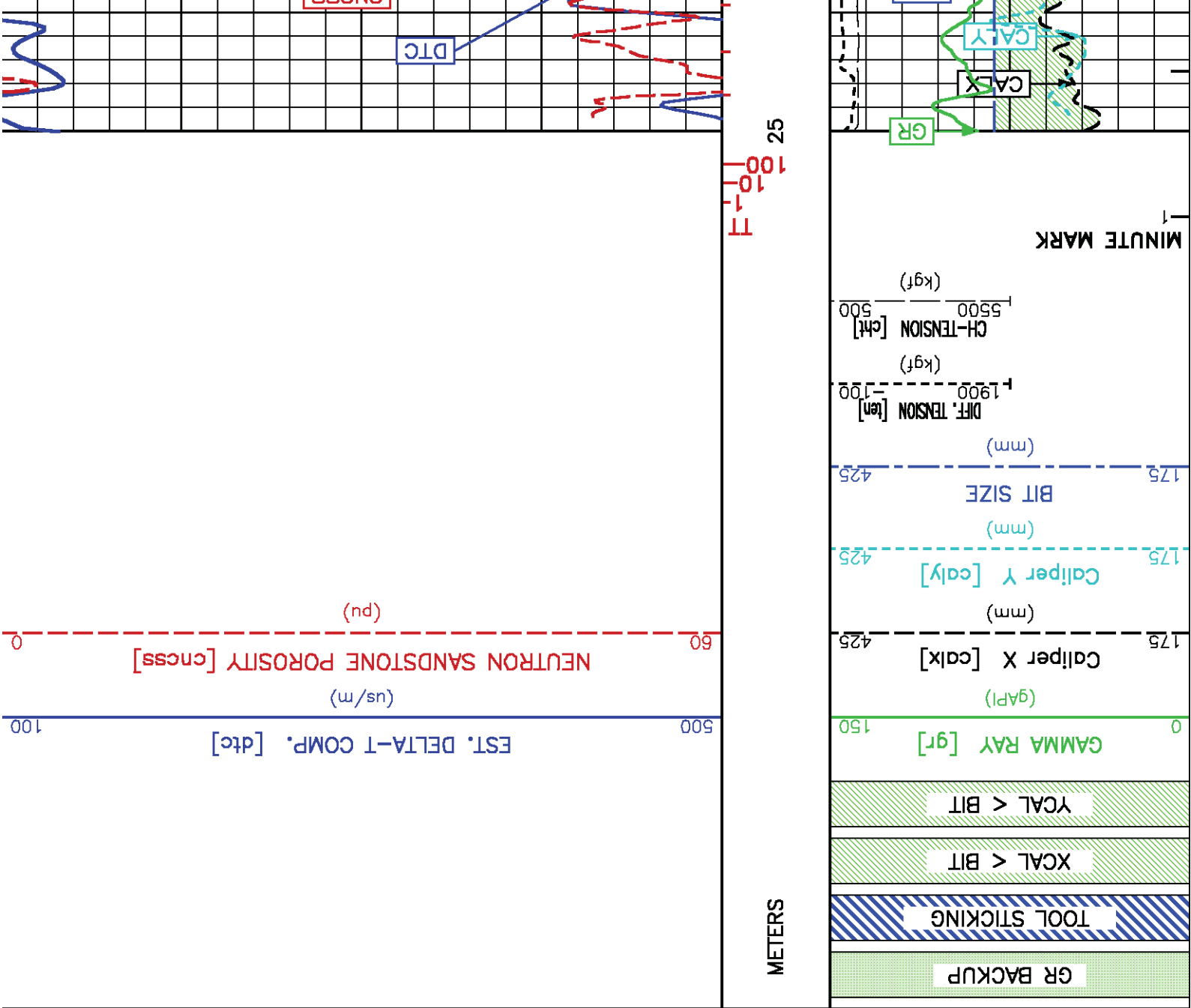
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
BOREHOLE & CEMENT				

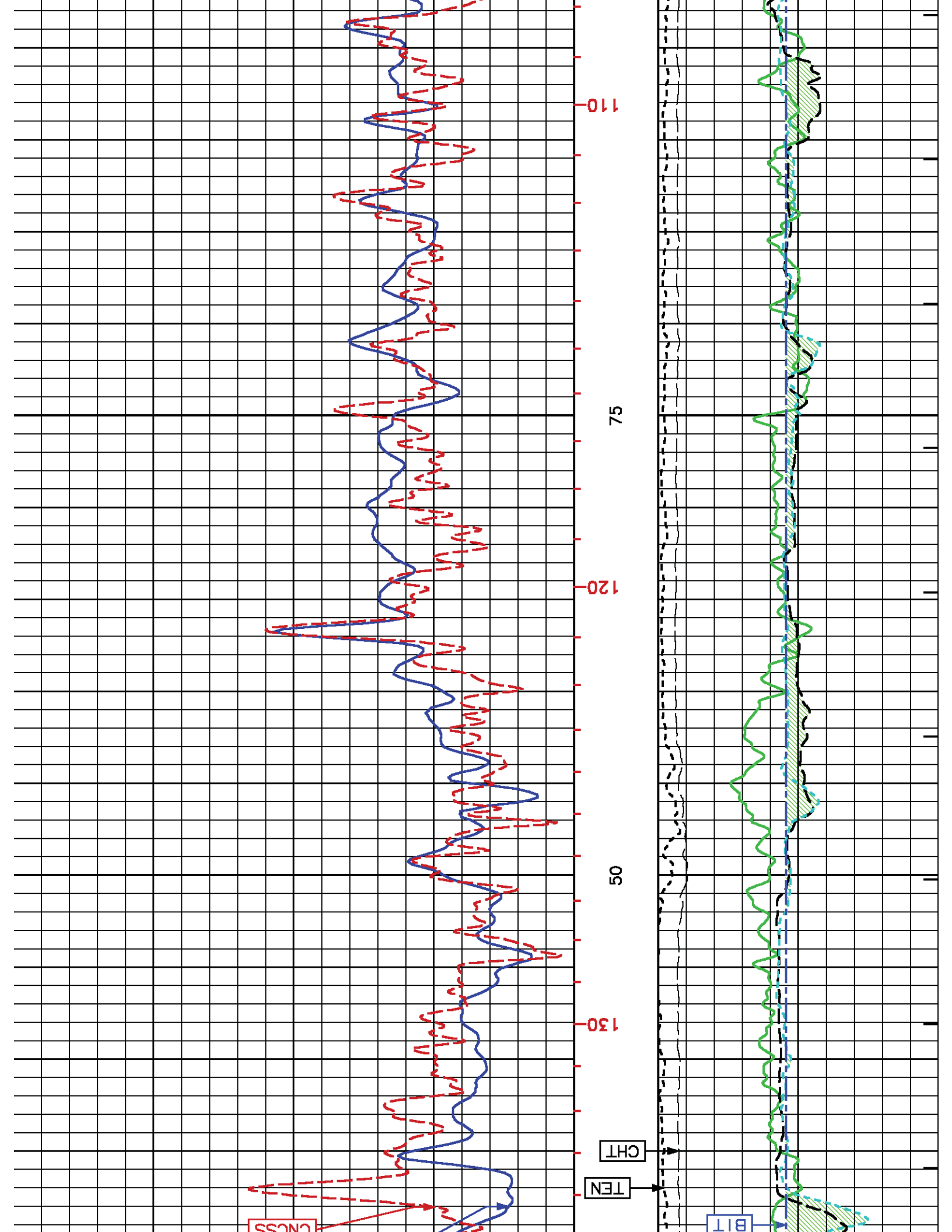
Project	/data/ddc/215445
User	: huyan
Presentation	: calsunrv3:/data/ddc/215445/mac_main100-500.pdf [1:240 Scale]
Plot Interval	: 25 - 406.146 Meters
Data File 1	: f1 : calsunrv3:/export/data/ddc/215445/slam_main1.xtf
Created On	: Jan 29 21:27:27 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: -37.2618 - 406.184 Meters
Oct	: m980g

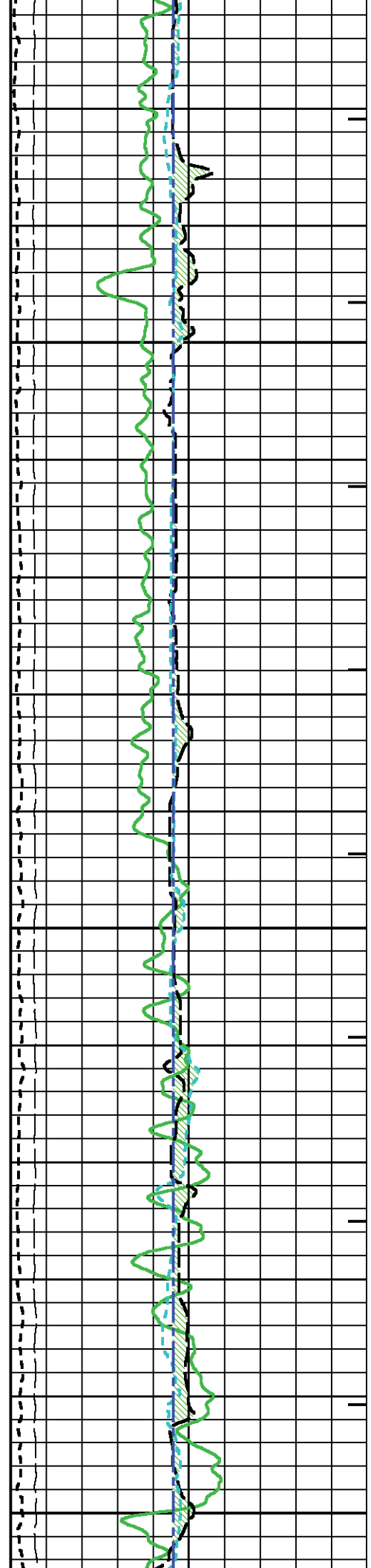
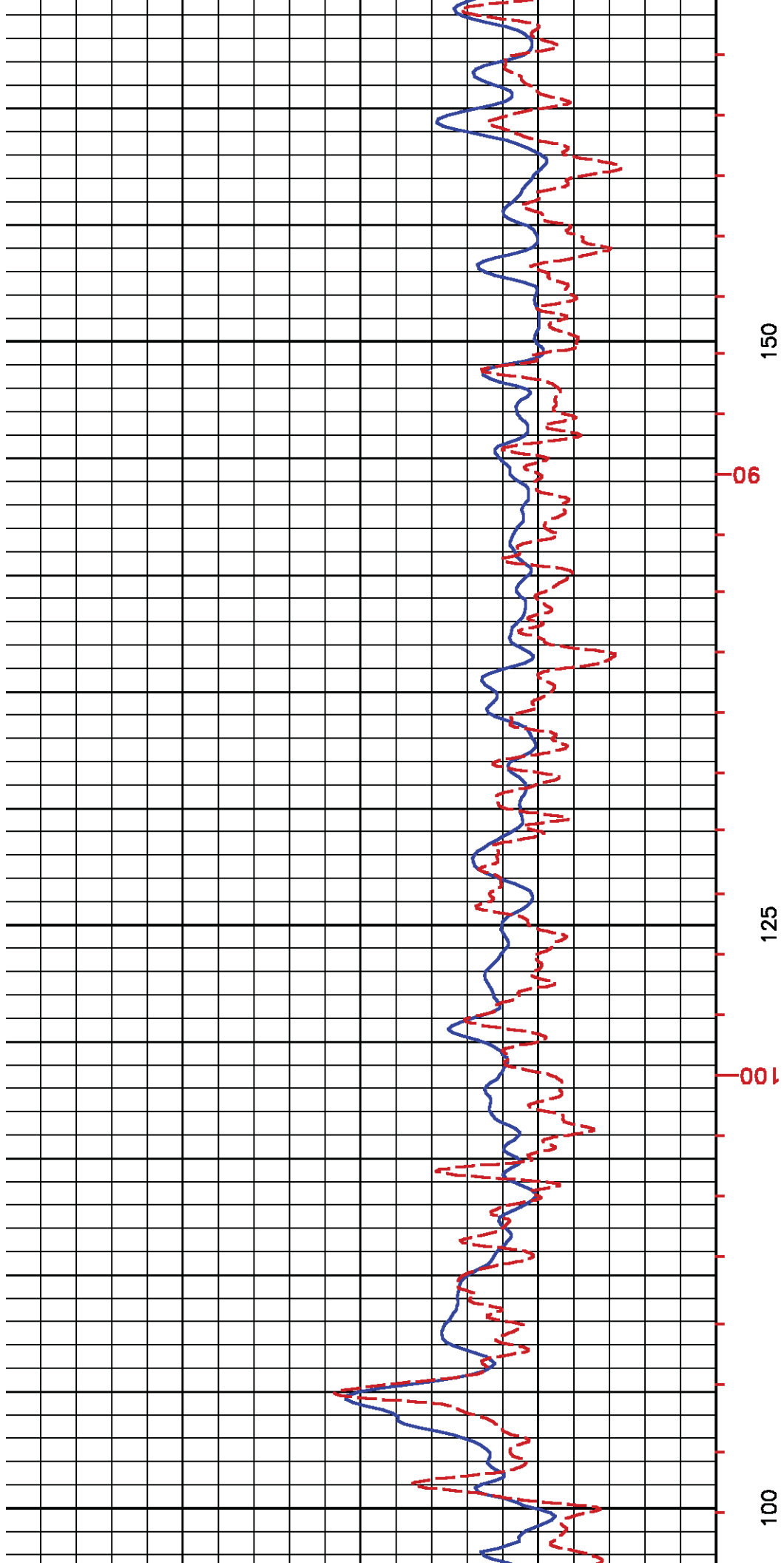
CURVE	BIT	CALX	OFFSET (m)	CURVE	CALY	CHT	OFFSET (m)	CURVE	CNCSS	DTC	OFFSET (m)	CURVE	GR	TEN	OFFSET (m)
		0.00	9.64			5.49	0.00				12.50			33.76	0.00

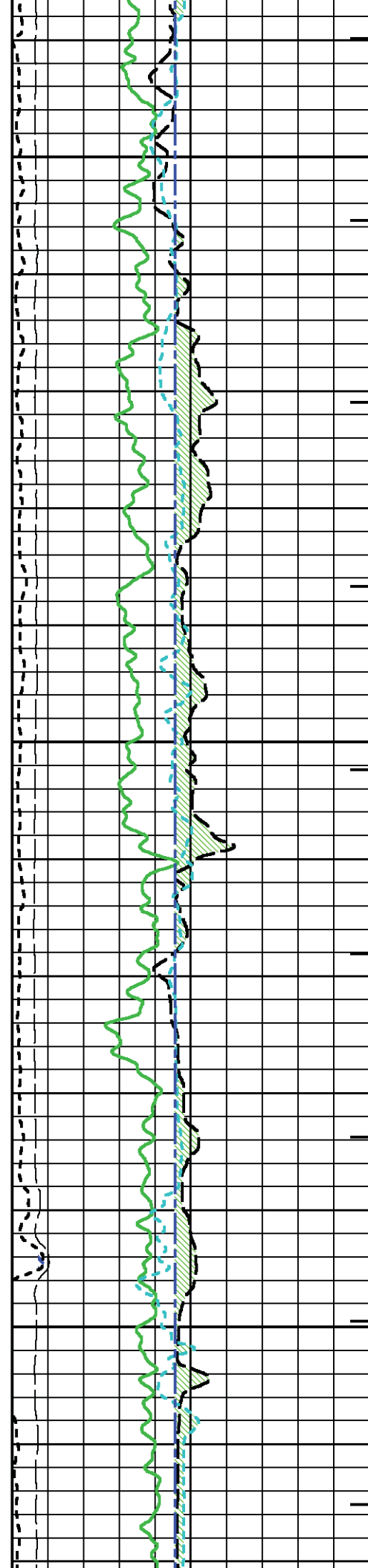
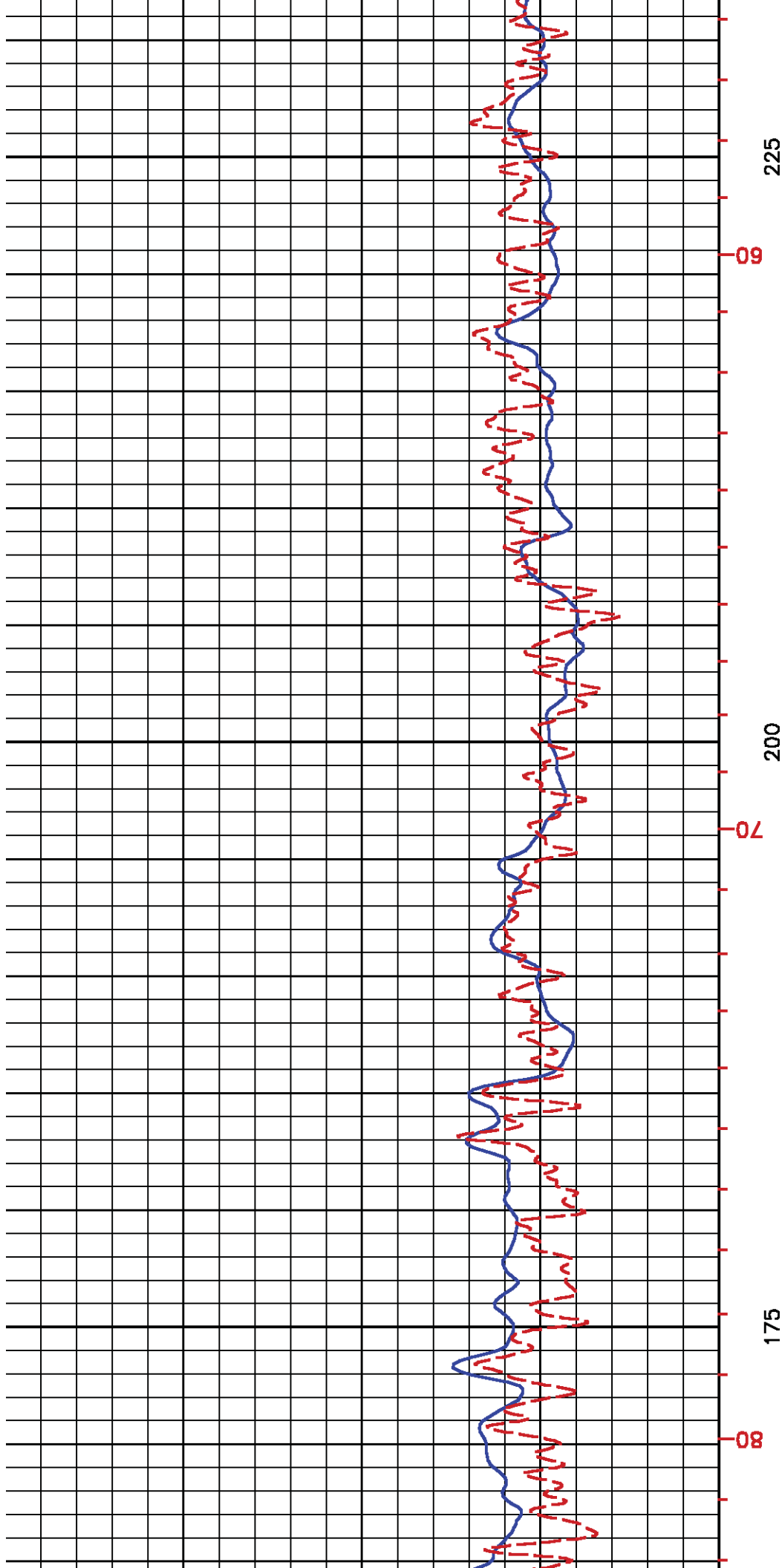
CURVE MEASURE POINT OFFSET

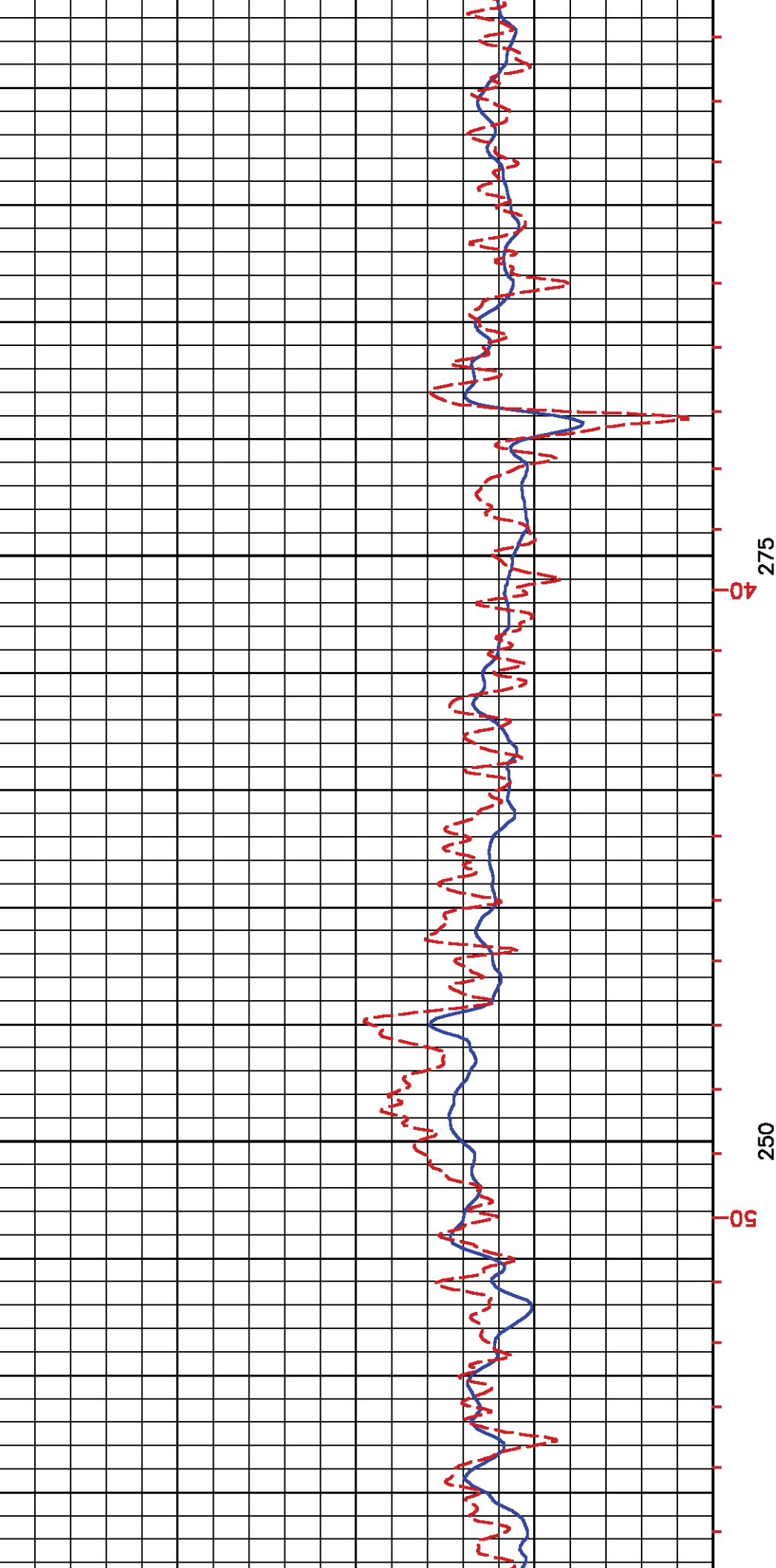
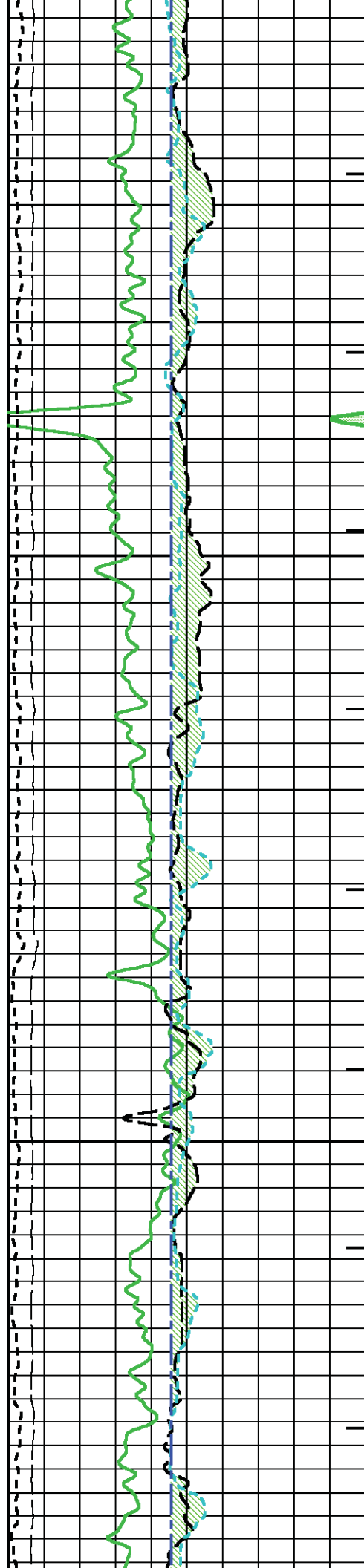
F1: TTQI	Jan 29 21:27:27 2013	TT.I	Jan 29 21:27:27 2013	INTEGRATED TRAVEL TIME FROM ACOUSTIC DELTA-1
F1: TEN	Jan 29 21:27:27 2013	TEN	Jan 29 21:27:27 2013	DIFFERENTIAL TENSION
F1: MMRK	Jan 29 21:27:27 2013	MMRK	Jan 29 21:27:27 2013	MINUTE MARK
F1: GR	Jan 29 21:27:27 2013	GR	Jan 29 21:27:27 2013	GAMMA RAY
F1: DTC	Jan 31 13:34:48 2013	DTC	Jan 29 21:27:27 2013	COMPRESSIONAL WAVE SLOWNESS
F1: CNCSS	Jan 29 21:27:27 2013	CNCSS	Jan 29 21:27:27 2013	BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY

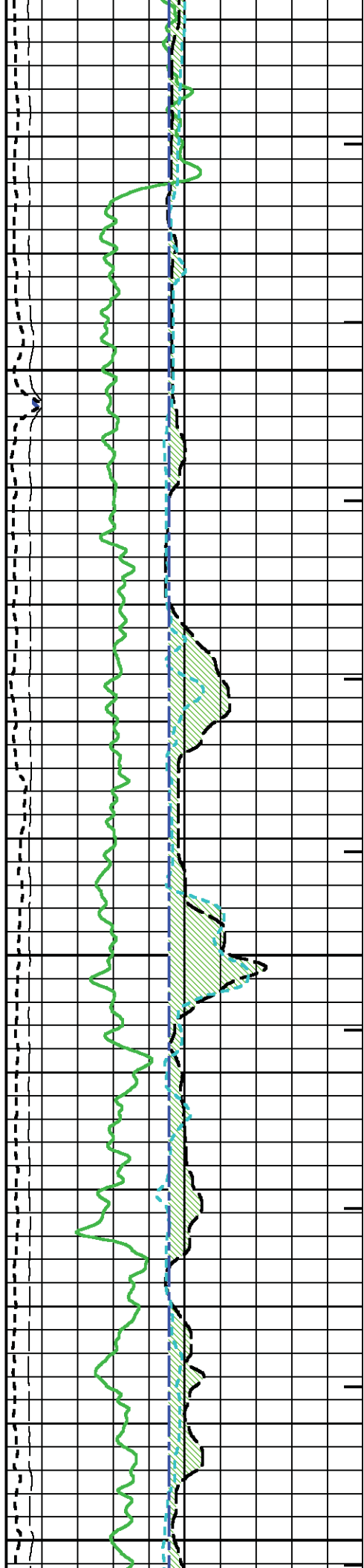
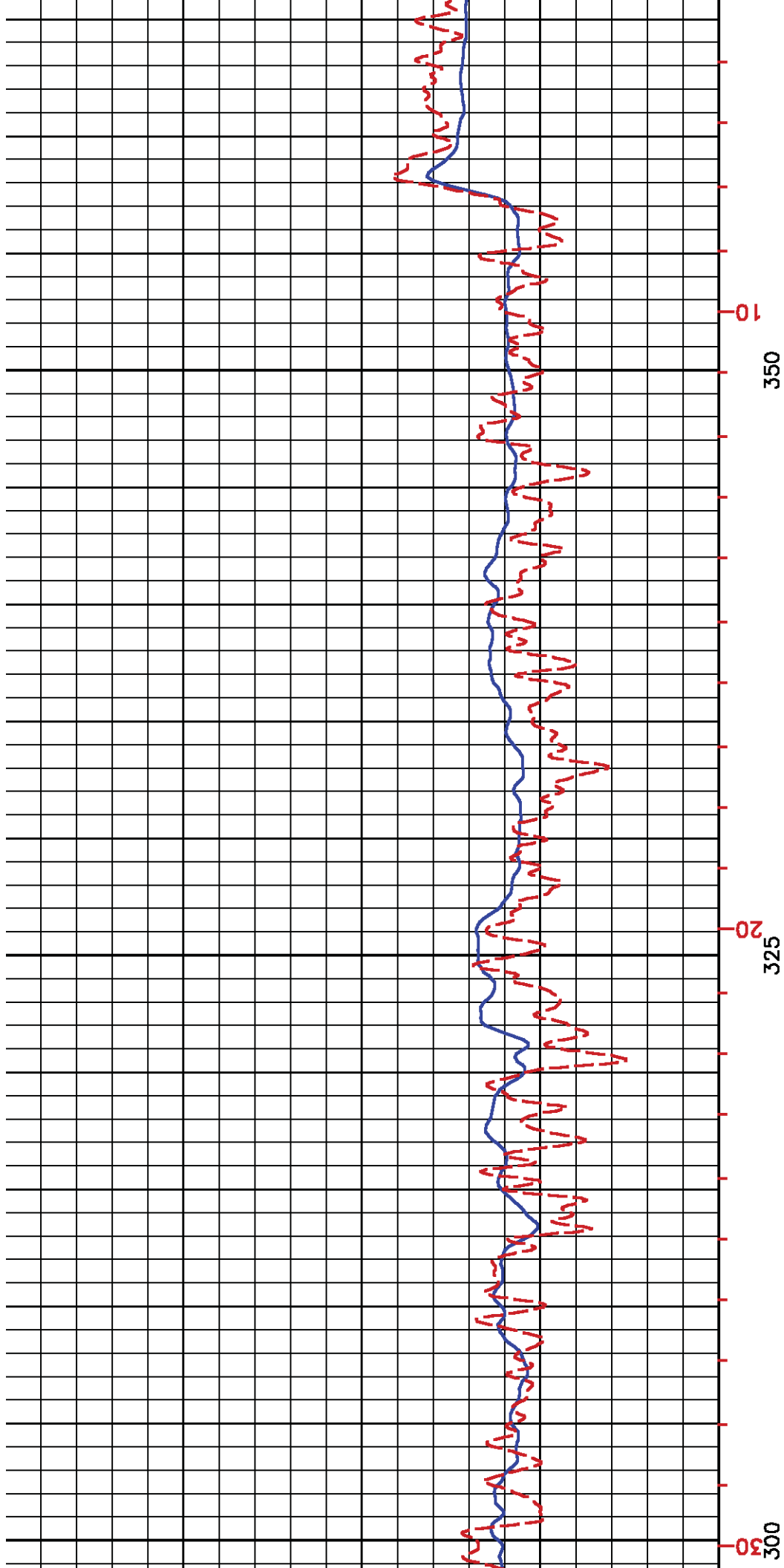


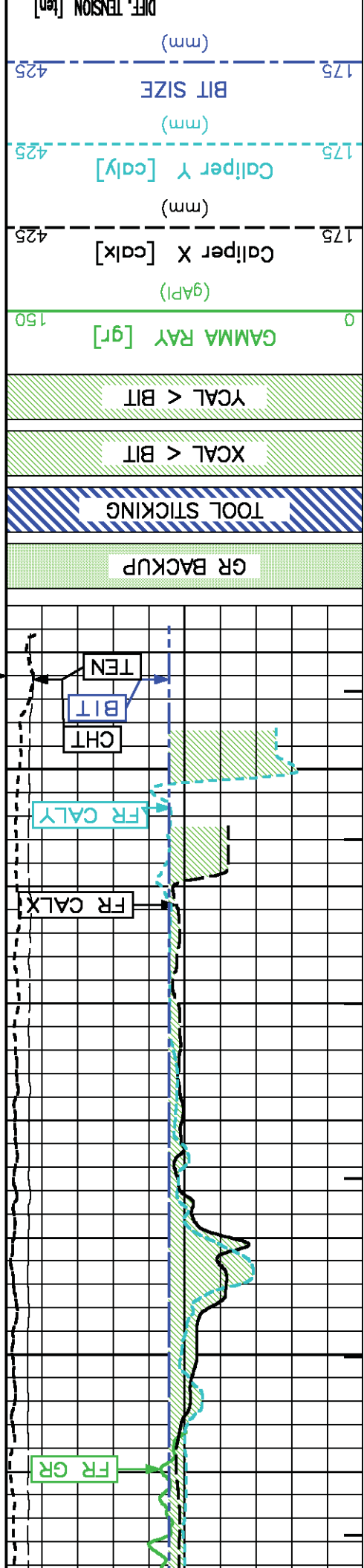








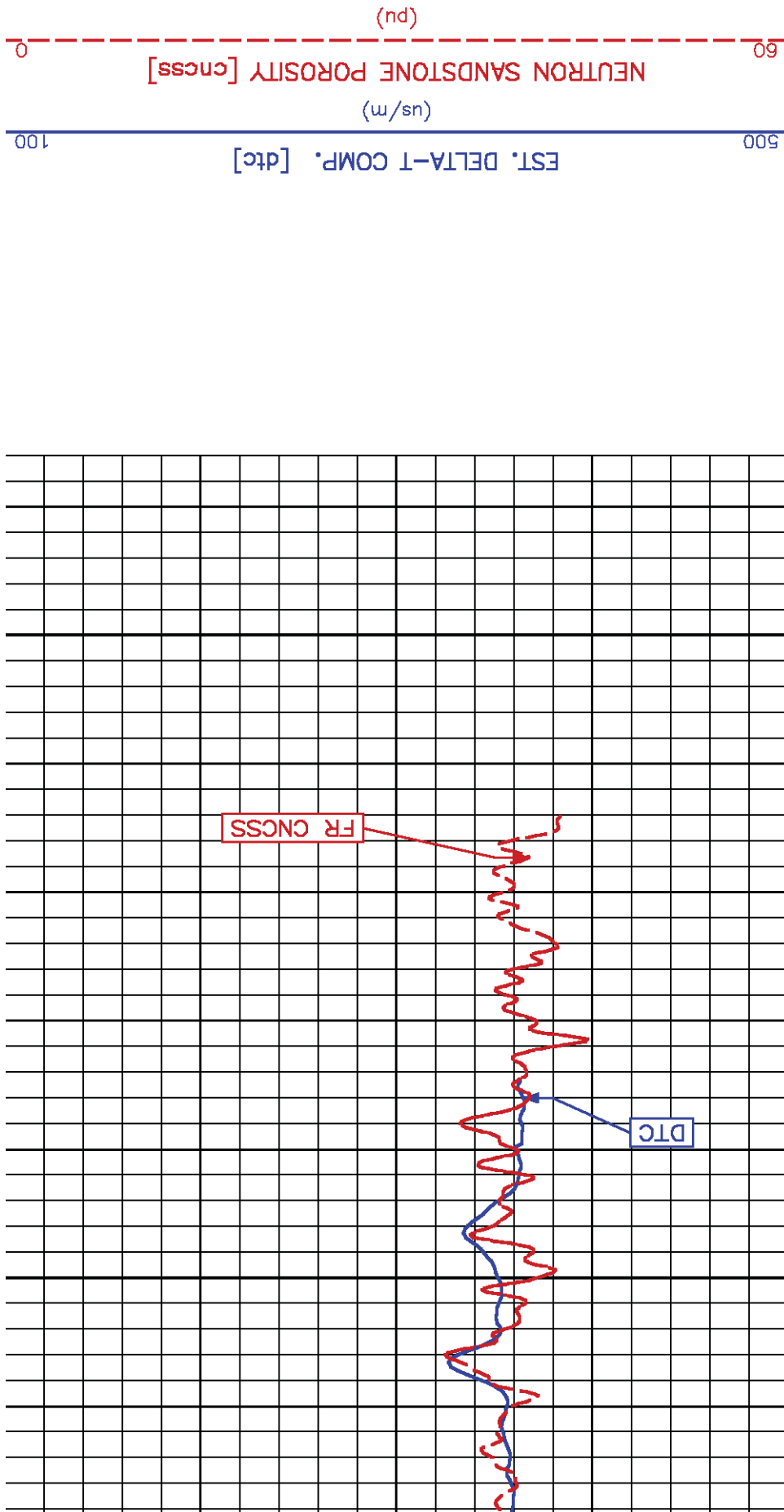


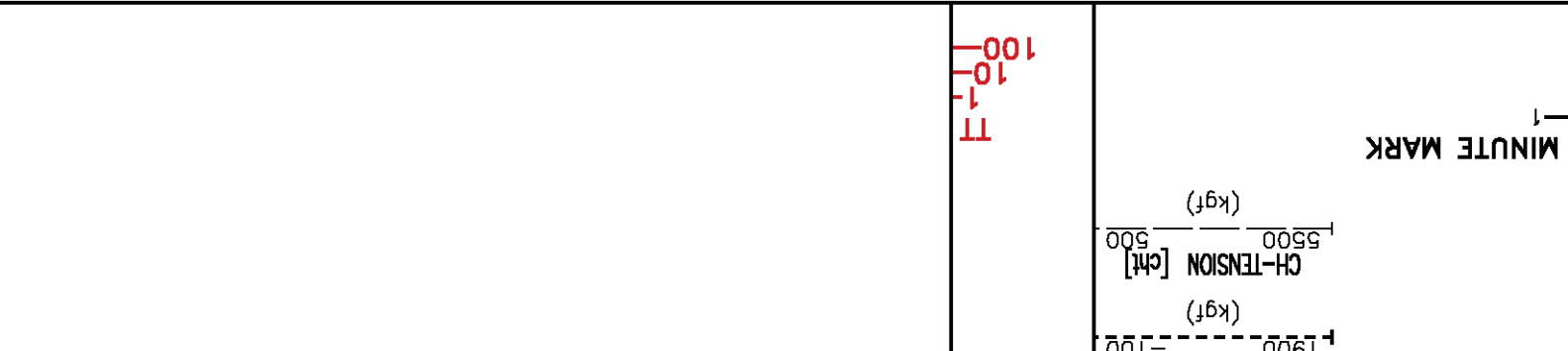


METERS

TD

375





REPEAT LOG

Express 3.2 Last updated 03Oct2011 09:44 Oct 03, 2011

Tue Feb 5 09:51:08 2013

Updates: 1

Perpht /main/61

Cplot 9.16

Pdf_Cpp /main/16

Fileview 4.97

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/215445/m980g06.prm

LOGGING MODE: DEPTH DIRECTION: UP

TOP DEPTH: 224.703 m BOTTOM DEPTH: 341.552 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER ()	medium (1)		TOP
TENSION	FILTER ()	medium (1)		TOP
GR	FILTER ()	medium (1)		TOP
CALIPER	FILTER ()	medium (1)		TOP

BOREHOLE & CEMENT

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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ACOUSTIC AVALAN CORRELATION

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
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MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	164	us/m	TOP
		550	us/m	TOP
		591	us/m	TOP
	FLOOR (UNIV. OPTION)	0.050		TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	GUIDE CURVE	DO NOT USE GUIDE		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	328	us/m	TOP
	TAPER - RIGHT END	700	us/m	TOP
		623	us/m	TOP

ACOUSTIC WAVEFORM FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON		TOP
	LOW FREQ CUTOFF	2000	Hz	TOP
	HIGH FREQ CUTOFF	20000	Hz	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACCELERATION PROCESSING				
ACCEL CORR SWITCH	ACCEL DEPTH CORR	CORRECTION OFF	TOP 339.014 BOTTOM 339.014	
GENERAL TCC PARAMETERS	AGC	ON		BOTTOM
	SUBCYCLE LENGTH	50		TOP
	SUBSET	1		
GENERAL MONOPOLE TCC PARAMETERS	STACK LEVEL	2		
	DSP FILTER	ON		
	AGC WINDOW	8064	us	
FULL WAVE MONOPOLE TCC PARAMETERS	SAMPLE PERIOD	24		
	RX DELAY	0	us	
				TOP

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/215445/m980g07.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m				
SYMMETRIC FILTER				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
CHT	FILTER ()	medium (1)		TOP
TENSION	FILTER ()	medium (1)		
GR	FILTER ()	medium (1)		
CALIPER	FILTER ()	medium (1)		BOTTOM
BOREHOLE & CEMENT				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
BIT SIZE	BIT SIZE	311.000	mm	TOP BOTTOM

ACoustic AVAN CORRELATION				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		
	RESET TAPERS			BOTTOM
MONOPOLE SHEAR	FORMATION TYPE	FLOOR (UNIV. OPTION)		TOP
	GUIDE CURVE	DO NOT USE GUIDE		
	RESET TAPERS			BOTTOM
	TAPER - LEFT END	100	us/m	
	TAPER - RIGHT END	600	us/m	
		550	us/m	TOP
		0.050		25.216
				TOP
				BOTTOM

ACoustic WAVEFORM FILTER				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON		TOP
	LOW FREQ CUTOFF	2000	Hz	
	HIGH FREQ CUTOFF	20000	Hz	BOTTOM

ACoustic TCC CONTROL PARAMETERS

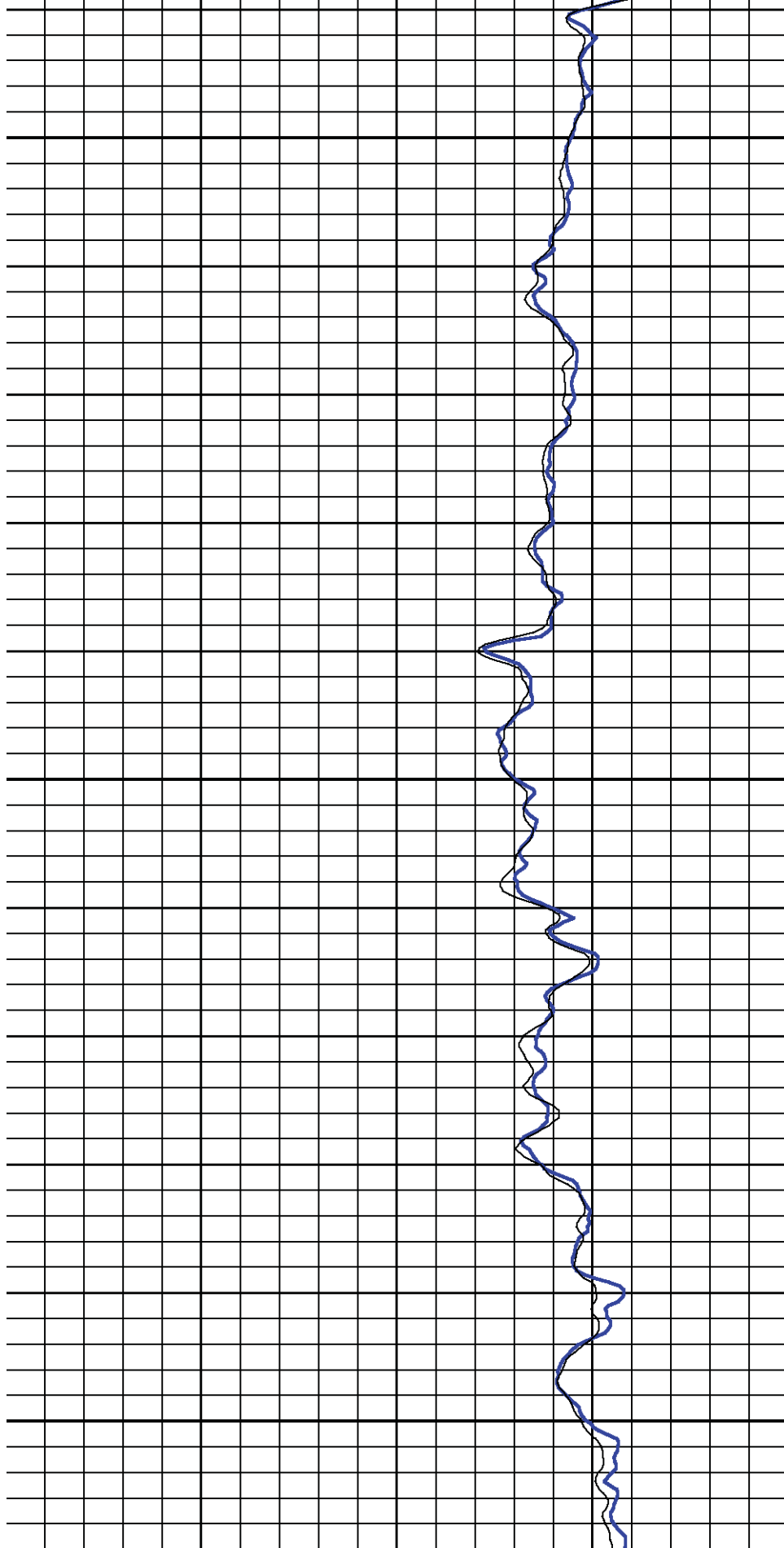
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
GENERAL TCC PARAMETERS	AGC	ON		TOP
	SUBCYCLE LENGTH	50		
	SUBSET	1		BOTTOM
GENERAL MONOPOLE TCC PARAMETERS	STACK LEVEL	2		
	DSP FILTER	ON		
	AGC WINDOW	8064	us	
FULL WAVE MONOPOLE TCC PARAMETERS	SAMPLE PERIOD	24		
	RX DELAY	0	us	
				TOP

ACCELERATION PROCESSING

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:BIT	BIT	Jan 29 20:52:41 2013	BIT SIZE
F1:CALX	CALX	Jan 29 20:52:41 2013	CALIPER FROM X AXIS OF X-Y CALIPER(S)
F1:CALY	CALY	Jan 29 20:52:41 2013	CALIPER FROM Y AXIS OF X-Y CALIPER(S)
F1:CHT	CHT	Jan 29 20:52:41 2013	CABLE HEAD TENSION
F2:DTC	DTC01	Jan 31 13:34:48 2013	COMPRESSIONAL WAVE SLOWNESS
F1:GR	GR	Jan 29 20:52:41 2013	GAMMA RAY
F1:MMRK	MMRK	Jan 29 20:52:41 2013	MINUTE MARK
F1:TEN	TEN	Jan 29 20:52:41 2013	DIFFERENTIAL TENSION

Project	/data/ddc/215445
User	huyon
Presentation	: calsunsv3:/data/ddc/215445/mac_rpt100-500.pdf [1:240 Scale]
Plot Interval	: 220 - - 320 Meters
Data File 1	: f1 : calsunsv3:/export/data/ddc/215445/slam_rpt.xht
Created On	: Jan 29 20:52:41 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: 188.671 - - 342.519 Meters
Oct	: m980g
Data File 2	: f2 : calsunsv3:/export/data/ddc/215445/slam_main.xht
Created On	: Jan 29 21:27:27 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKAY I-78
Field	: EAST MACKAY
File Interval	: -37.2618 - - 406.184 Meters
Oct	: m980g

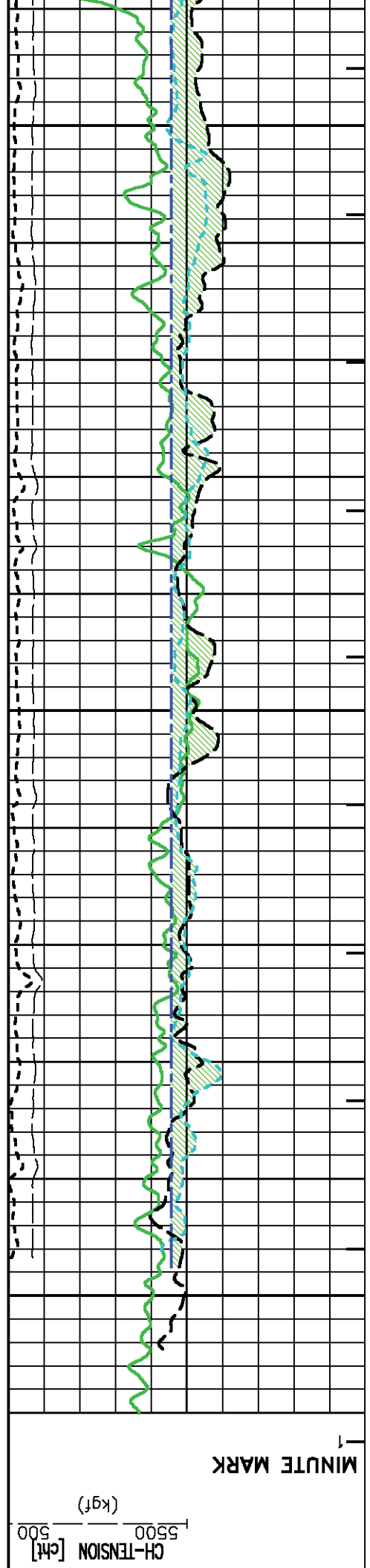
[illegible]

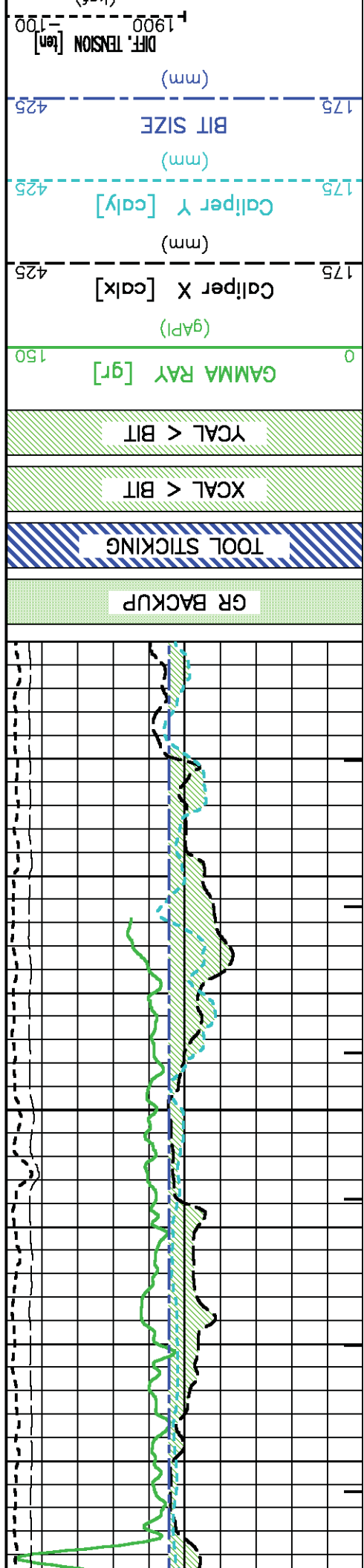


275

250

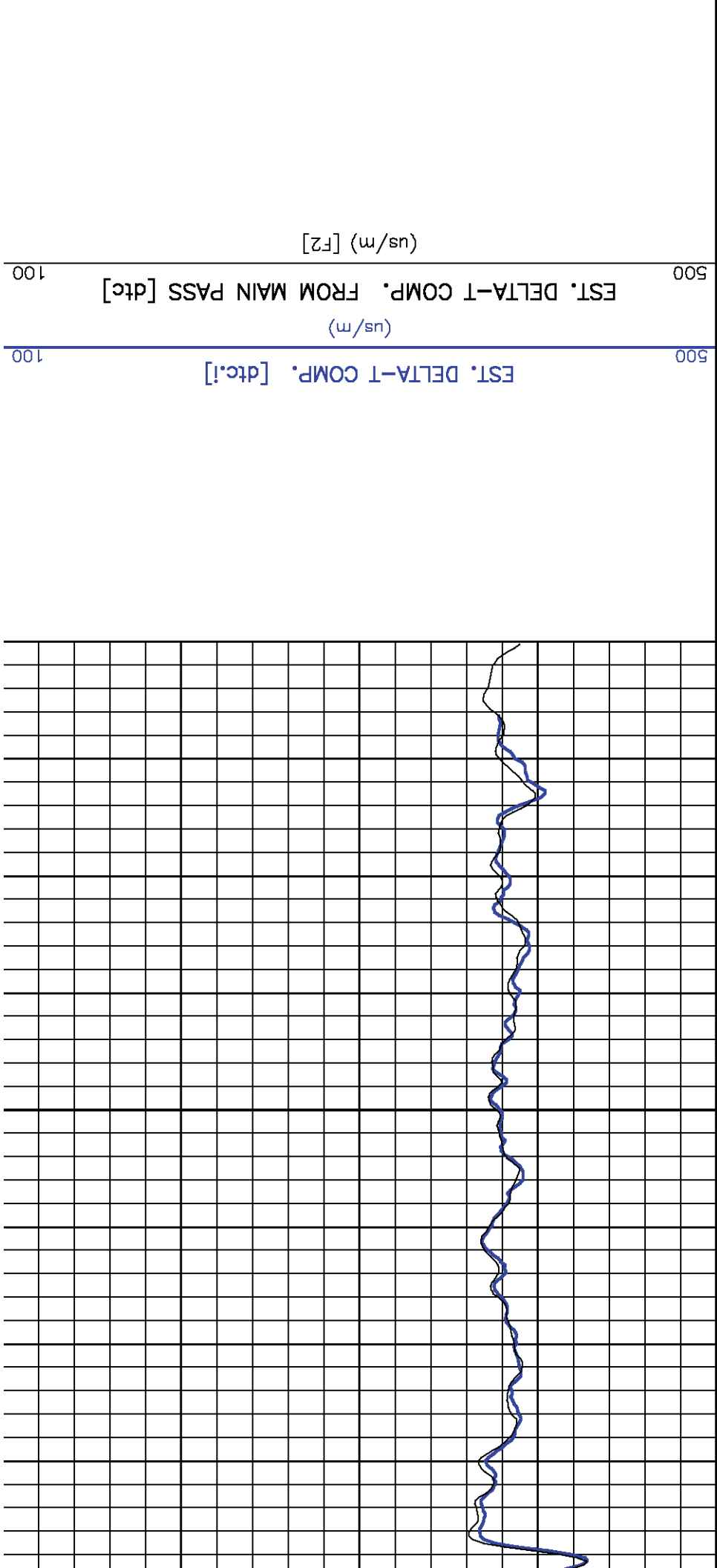
225





METERS

300





Express 3.2 Last updated 03Oct2011 09:44 Oct 03, 2011

Updates: 1
Thu Jan 31 16:01:30 2013

Perpht / main/61 Cplot 9.16 Pdf-Cpp / main/16 Fileview 4.97

PARAMETER AND FILTER SUMMARY REPORT			
FILE: /export/data/ddc/215445/m980g07.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m			

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
SYMMETRIC FILTER				
CHT	FILTER ()	medium (1)		TOP
TENSION	FILTER ()	medium (1)		TOP
GR	FILTER ()	medium (1)		TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
BOREHOLE & CEMENT				
X-Y COMBINED CALIPER PROCESSING	X-Y Caliper	Average		TOP
BIT SIZE	BIT SIZE	311.000	mm	TOP
BOREHOLE CORR DIAMETER SOURCE	CALIPER/FIXED DIA. (acbh*)	USE CALIPER	mm	TOP
BOREHOLE CORR DIAMETER	FIXED DIAMETER (acbh*)	311.000	mm	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC POROSITY				
ACOUSTIC POROSITY	DTfluid	623.36	us/m	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC AVAN CORRELATION				

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC QUALITY CONTROL				
MONOPOLE COMPRESSIONAL	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	CORRELATION METHOD	NTH ROOT		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	100	us/m	TOP
	TAPER - RIGHT END	600	us/m	TOP
		550	us/m	TOP
		0.050		TOP
	FLOOR (UNIV. OPTION)			TOP
	FORMATION TYPE	GENERIC (MEDIUM)		TOP
	GUIDE CURVE	DO NOT USE GUIDE		TOP
	RESET TAPERS			TOP
	TAPER - LEFT END	328	us/m	TOP
	TAPER - RIGHT END	700	us/m	TOP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC DIFF TEN LIMIT				
ACOUSTIC DIFF TEN LIMIT	DIFF TENSION LIMIT	227	kgf	TOP

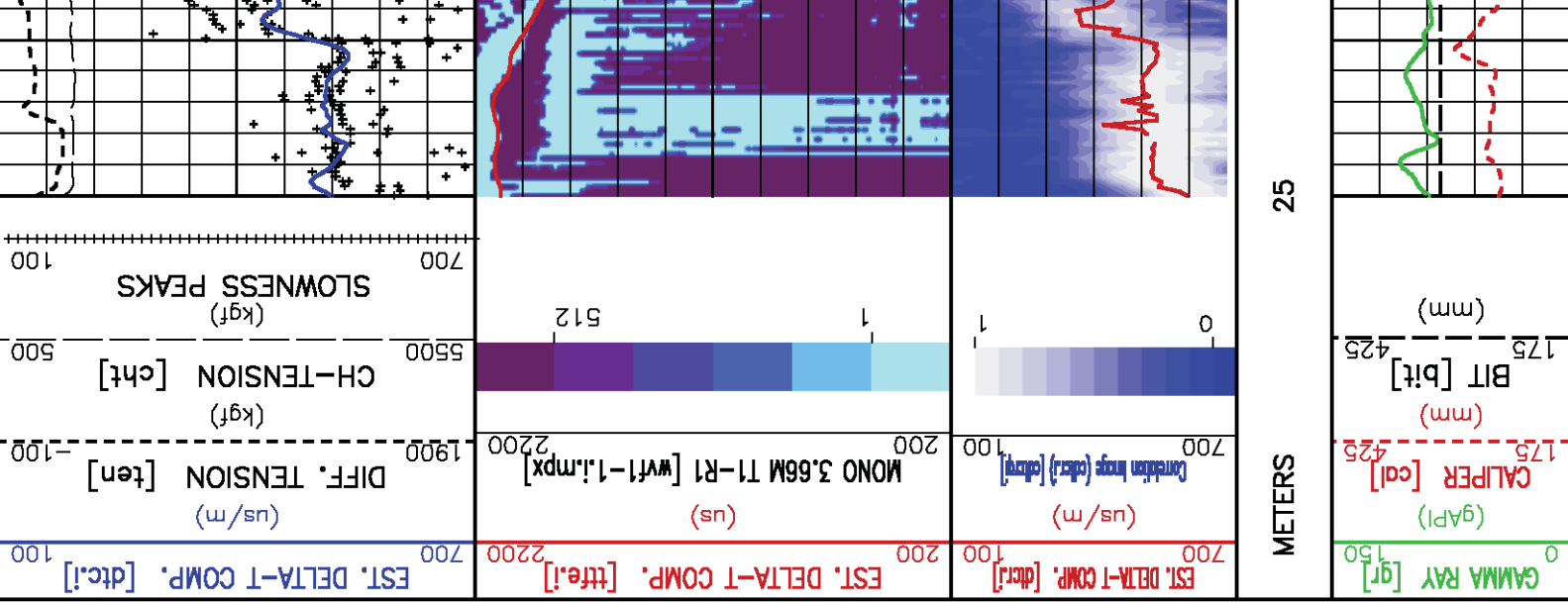
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
WAVEFORM FILTER - FULLWAVE	SURFACE WAVE FILTER	ON	Hz	TOP
	LOW FREQ CUTOFF	2000	Hz	BOTTOM
GENERAL TCC PARAMETERS	SUBCYCLE LENGTH	50		TOP
	SUBSET	1		BOTTOM
GENERAL MONOPOLE TCC PARAMETERS	STACK LEVEL	2		TOP
	DSP FILTER	ON		BOTTOM
FULL WAVE MONOPOLE TCC PARAMETERS	SAMPLE PERIOD	24	us	TOP
	ACQ WINDOW	8064	us	BOTTOM

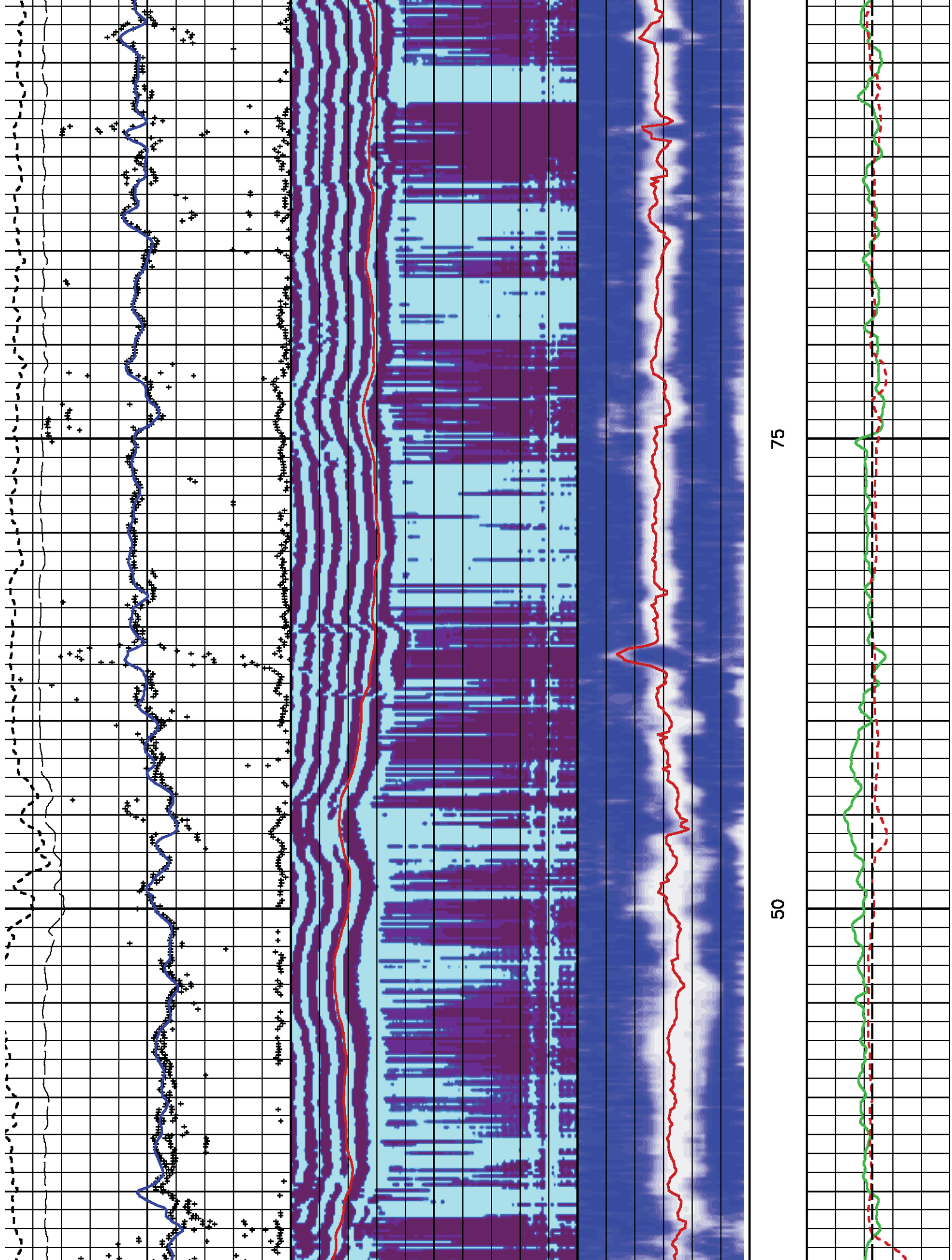
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
ACOUSTIC TCC CONTROL PARAMETERS	ACQ	ON		TOP
	ACQ	ON		BOTTOM

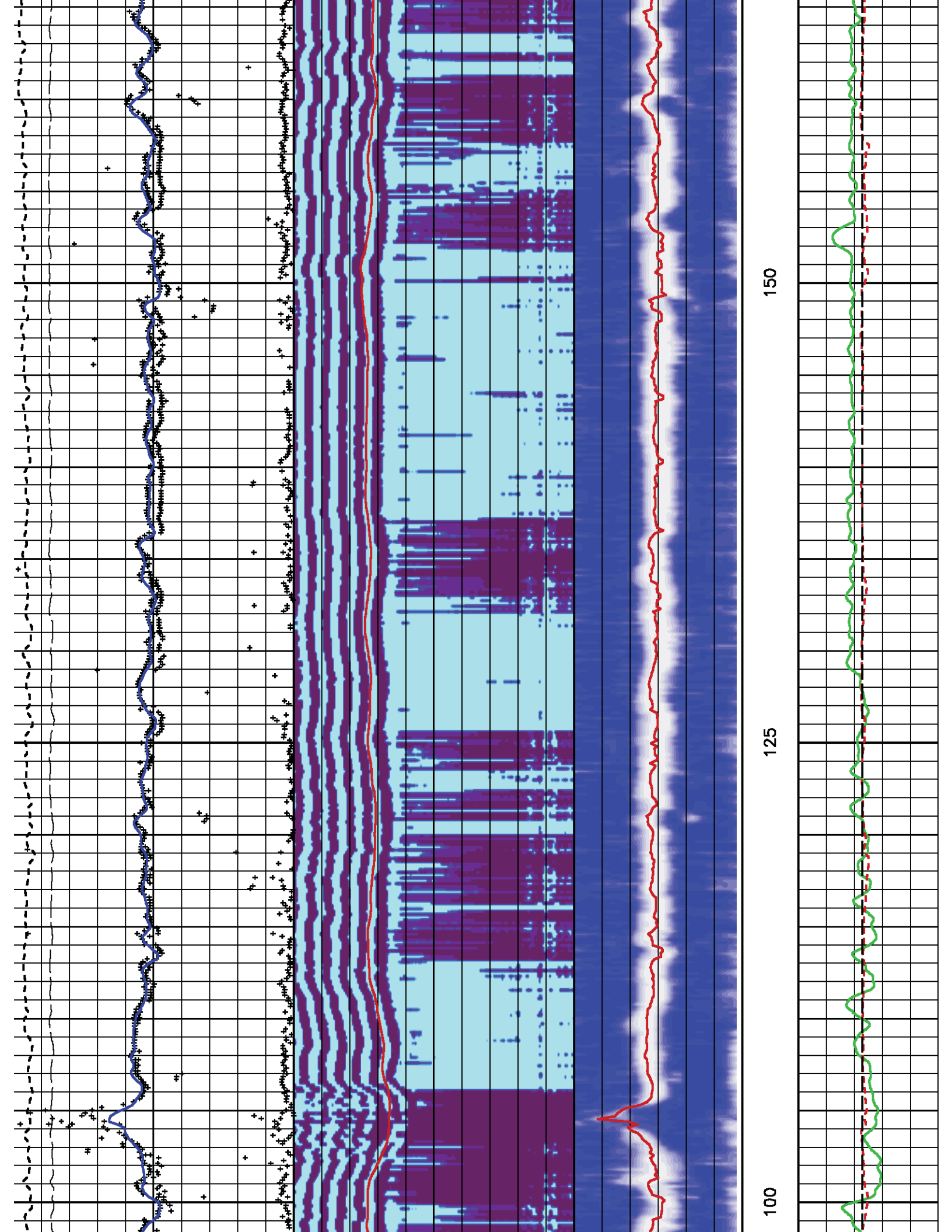
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
CURVE DESCRIPTION REPORT			
F1:BIT	BIT	Jan 29 21:27:27 2013	BIT SIZE
F1:CAL	CAL	Jan 29 21:27:27 2013	CALIPER
F1:CHT	CHT	Jan 29 21:27:27 2013	CABLE HEAD TENSION
F1:DTCQI	DTC.I	Jan 29 21:27:27 2013	COMPRESSIONAL WAVE SLOWNESS
F1:DTCRQI	DTCR.I	Jan 29 21:27:27 2013	COMPRESSIONAL WAVE SLOWNESS FROM RECEIVER ARRAY
F1:GR	GR	Jan 29 21:27:27 2013	GAMMA RAY
F1:TEN	TEN	Jan 29 21:27:27 2013	DIFFERENTIAL TENSION
F1:TFWV01	WVF1-1.I.MPX	Jan 29 21:27:27 2013	ACOUSTIC MULTIPLEX WAVEFORM
F1:TTFEQI	TTFE.I	Jan 29 21:27:27 2013	TRAVEL TIME ESTIMATE FAR XMTR

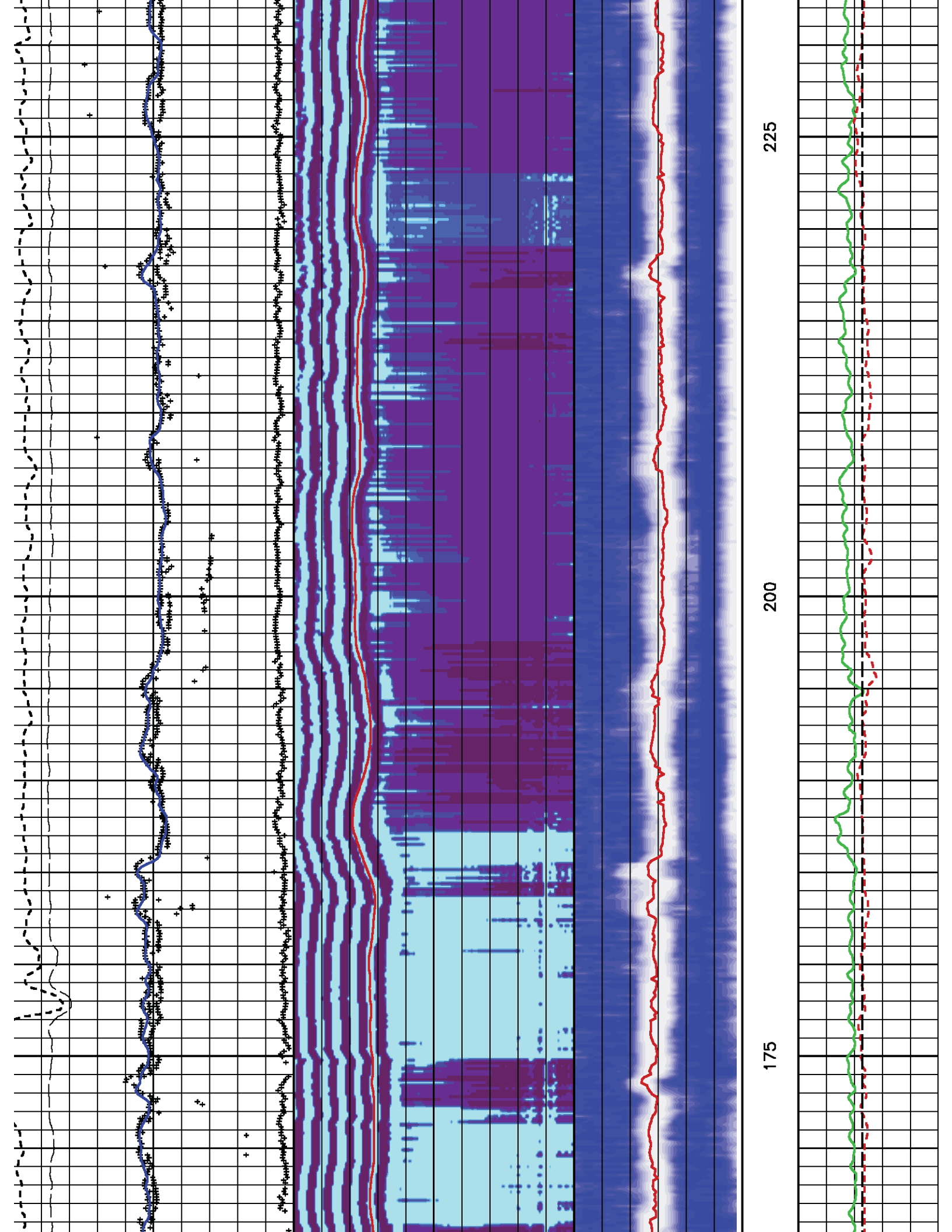
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
BIT	0.00	DTCQI	25.30	DTCRQI	25.30	GR	33.76	TTFEQI	5.52
CAL	5.52							TEN	0.00
CHT	0.00							PKSMRQI	25.30

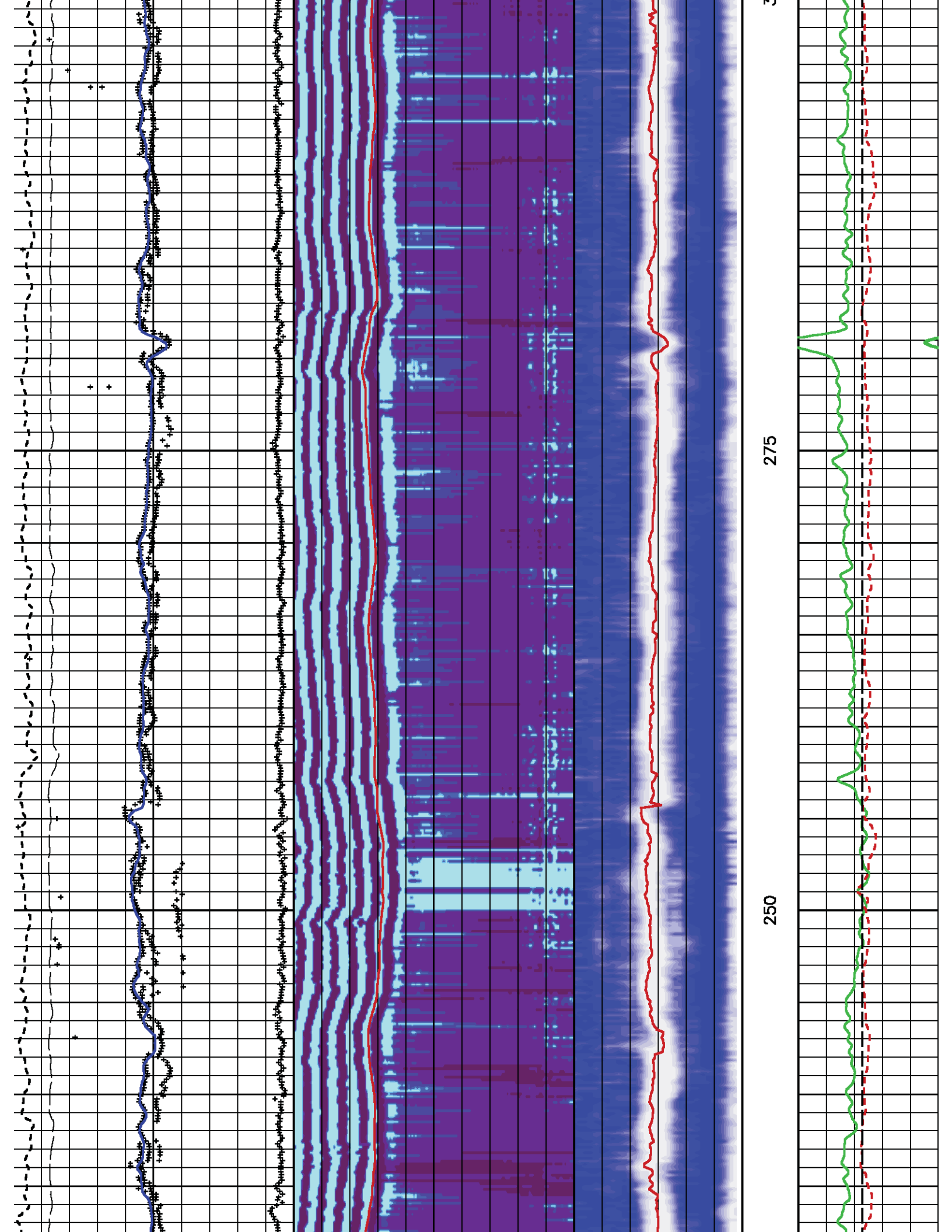
Project	/data/ddc/215445
User	: huyan
Presentation	: calsunrv3:/data/ddc/215445/xmac_mono_dlp-qc.pdf [1:240 Scale]
Plot Interval	: 25 - 406.146 Meters
Data File 1	: f1 : calsunrv3:/export/data/ddc/215445/slam_mdmn.xtf
Created On	: Jan 29 21:27:27 2013
Company	: MGM ENERGY CORP
Well	: MGM SHELL EAST MACKEY I-78
Field	: EAST MACKEY
File Interval	: -37.2618 - 406.184 Meters
Out	: m980g







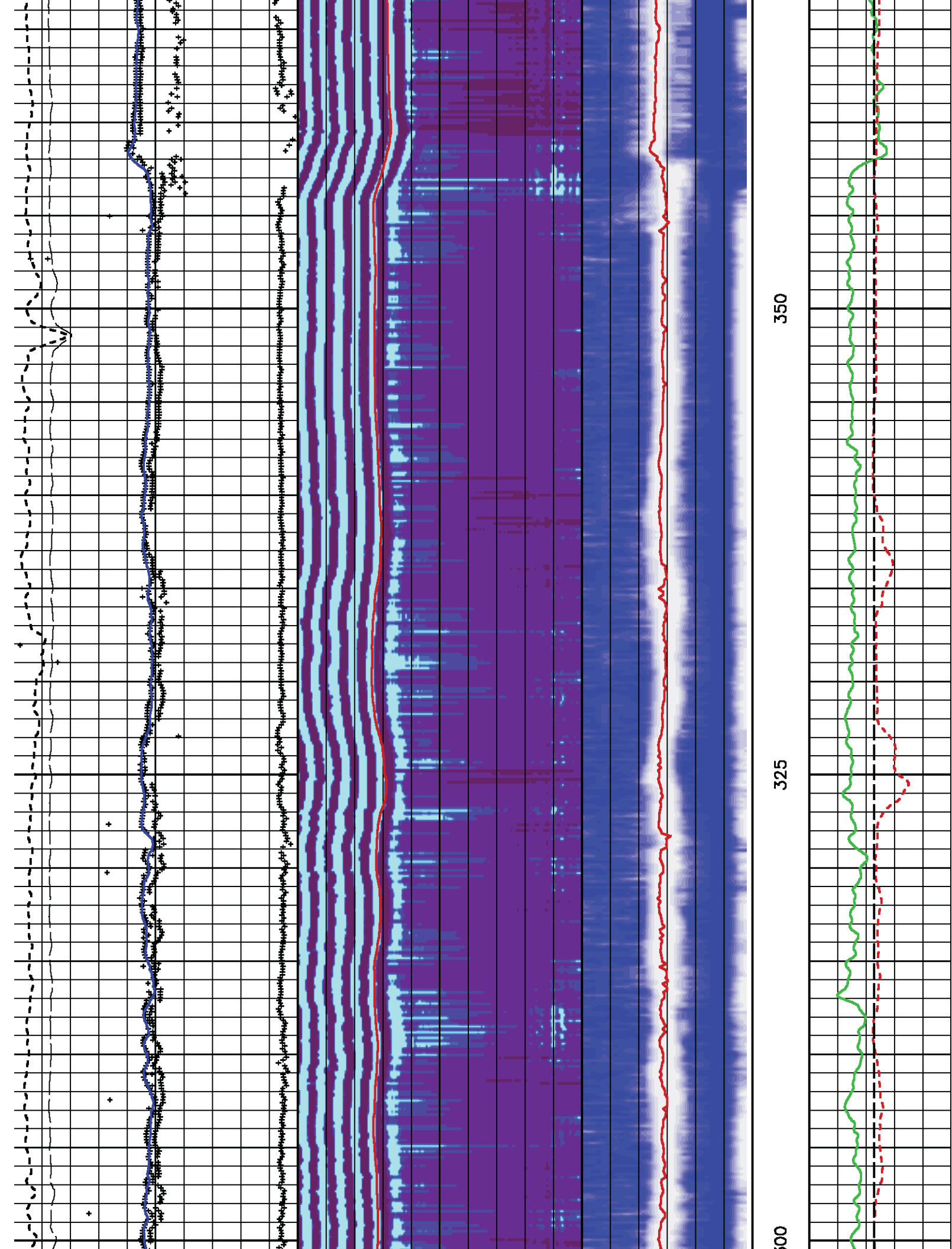




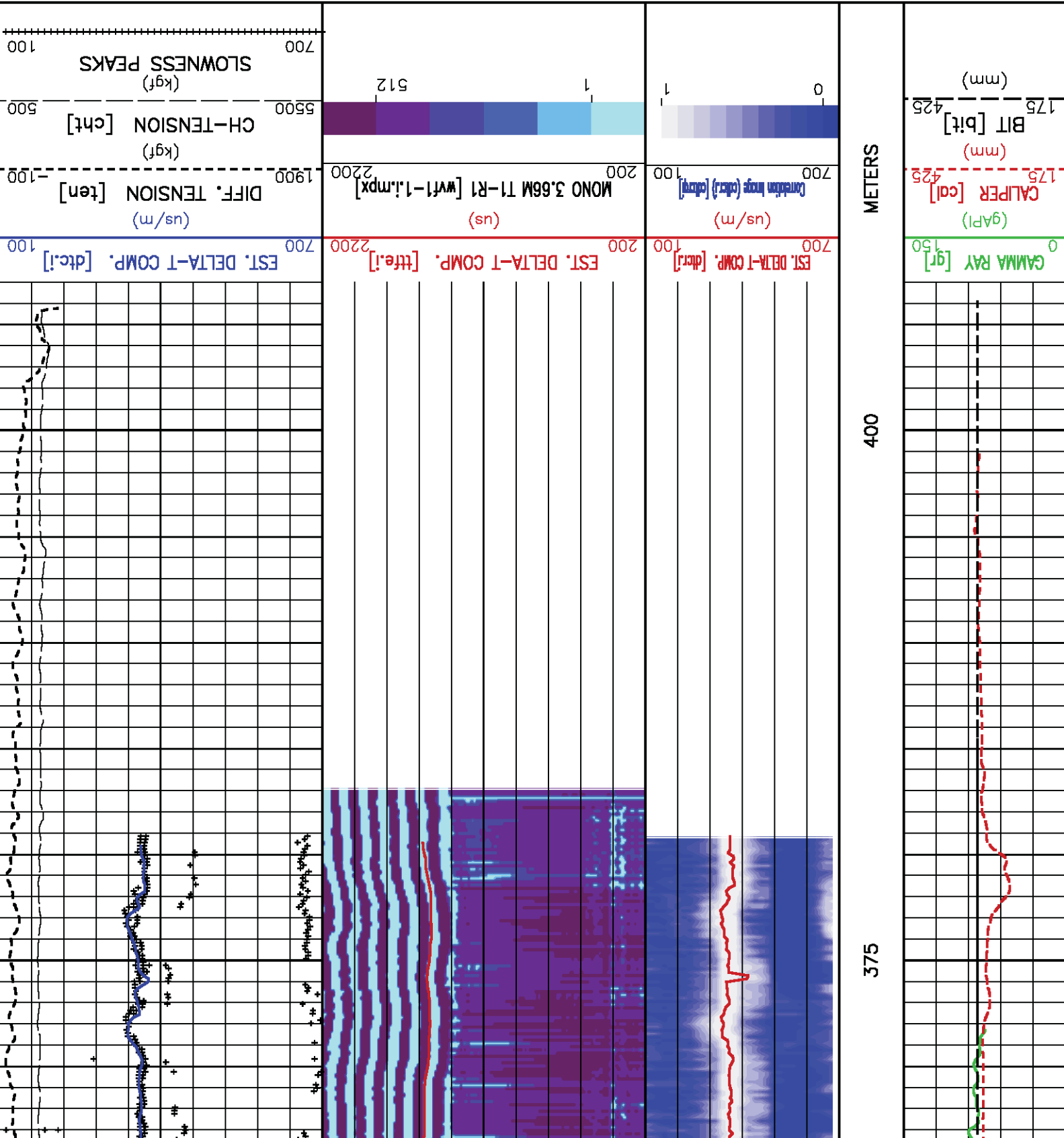
250

275

3



CALIBRATION / VERIFICATION SUMMARY



CHT PRIMARY CALIBRATION SUMMARY

TOOL # : 3981XA 10516528

DATE/TIME PERFORMED: Tue Jan 29 18:40:58 2013

UNIT # : 3815SA 008672

Signal Low Signal High Scale Mult Scale Add Eng'r Low Eng'r High CHT

50.00

560.75

1.96

-97.90

0.00

1000.00

(raw)

(raw)

(kgf)

(kgf)

GR PRIMARY CALIBRATION SUMMARY

TOOL # : 1329XA 10293862

DATE/TIME PERFORMED: Wed Jan 2 15:27:33 2013

UNIT # : 5753XB 10108816

CALB JIG # : 4702NK DA-479

BACKROUND CALBTR ON CR DIFF MULT BACKROUND CALBTR ON CALBTR

149.13

1025.69

876.6

0.171

25.52

175.52

150

(cts/s)

(cts/s)

(cts/s)

(gAP1)

(gAP1)

(gAP1)

GR PRIMARY VERIFICATION SUMMARY

TOOL # : 1329XA 10293862

DATE/TIME PERFORMED: Wed Jan 2 15:30:55 2013

UNIT # : 5753XB 10108816

VERI JIG # : 4702NK DA-479

BACKROUND CALBTR ON MULT BACKROUND CALBTR ON DIFF.

145.09

1035.84

0.171

24.83

177.26

152.43

(cts/s)

(cts/s)

(gAP1)

(gAP1)

(gAP1)

(gAP1)

XMAC_OR PRIMARY CALIBRATION SUMMARY

TOOL # : 1678MC 10386815

DATE/TIME PERFORMED: Sun Jan 6 11:29:56 2013

UNIT # : 5753XB 10108816

ORIENTATION # : 4401XB 12466129

DEV QA MEAS RB RB OFFSET ROTATED RB

89.9

1000.2

359.7

0.4

0.4

0.0

(deg)

(mg)

(deg)

(deg)

(deg)

(deg)

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2436XA 10105638 DATE/TIME PERFORMED: Sun Jan 13 18:44:58 2013 UNIT #: RCOR 10274 CALIBRATOR #: 2437XB 112675 SOURCE #: 4718XA N-1234

SSN	LSN	SSN/LSN	MCF	CNRATIO	CN
DT CPS	DT CPS				PU
4800.31	823.98	5.82573	0.98477	5.73700	25.241
			0.95000 1.05000		

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2436XA 10105638 DATE/TIME PERFORMED: Tue Jan 29 18:38:13 2013 DAYS SINCE CAL: 15 UNIT #: 3815SA 008672 CALIBRATOR #: INTRNL N/A

SSN	LSN	SSN/LSN	TEMP	HV	LV
DT CPS	DT CPS		(degC)	(V)	(V)
991.40	993.76	0.99762	18.2	1357.1	4.605
			138.0	1250.0	4.300
			0.95000 1.05000		5.000

CN AFTER LOG VERIFICATION SUMMARY

TOOL #: 2436XA 10105638 DATE/TIME PERFORMED: Tue Jan 29 22:25:32 2013 DAYS SINCE CAL: 16 UNIT #: 3815SA 008672 CALIBRATOR #: INTRNL N/A

SSN	LSN	SSN/LSN	TEMP	HV	LV
DT CPS	DT CPS		(degC)	(V)	(V)
955.77	957.68	0.99801	24.8	1357.1	4.608
			138.0	1250.0	4.300
			0.95000 1.05000		5.000

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Fri Jan 18 17:30:07 2013 UNIT #: S23 8672

SIZE	VALUE	MULTIPLIER	ADD
(mm)			
SMALL RING (Arm)	177.800		1199.6
LARGE RING (Arm)	279.400		2200.0
		0.10156	55.96938
PAD CLOSED	1723.2	0.06350	-109.42319

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 22:24:27 2013 DAYS SINCE CAL: 11

UNIT #: 3815SA 008672

VALUE MULTIPLIER ADD SIZE

ARM 2402.4 0.10156 55.96938 300.0 (mm)

PAD 1708.4 0.06350 -109.42319 -0.9

ACTUAL MEASURED

DIAMETER (arm+pad) 311.000 (mm) 314.0 (mm) 300.8 321.2

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 22:25:39 2013 DAYS SINCE CAL: 11

UNIT #: 3815SA 008672

VALUE MULTIPLIER ADD SIZE

ARM 2401.2 0.10156 55.96938 299.8 (mm)

PAD 1708.8 0.06350 -109.42319 -0.9

ACTUAL MEASURED

DIAMETER (arm+pad) 311.000 (mm) 313.9 (mm) 300.8 321.2

CAL[2] PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10102923 DATE/TIME PERFORMED: Fri Jan 18 18:11:06 2013

UNIT #: S23 8672

SIZE VALUE MULTIPLIER ADD

(mm)

SMALL RING (Arm) 177.800 1040.0

LARGE RING (Arm) 279.400 2060.0 0.09961 74.20783

PAD CLOSED

1784.0

0.06350

-113.28400

		LAT 64.795		LONG -125.722	
LOCATION:		GL 155.00 M		DATE 29-JAN-2013	
ELEVATIONS:		KB 161.2 M		DF	
LICENSE: 1202					
COMPANY		MGM ENERGY CORP		MGM SHELL EAST MACKAY I-7B	
WELL		EAST MACKAY		NORTHWEST TERRITORIES	
FIELD					
PROVINCE					
FILE NO:		API NO:			

DIA METER (arm+pad)		380.000		379.7		369.8		390.2	
		(mm)		(mm)					
ACTUAL		MEASURED							
PAD		2400.0		0.06350		-113.28400		39.1	
ARM		2524.0		0.09961		74.20783		325.6	
		(mm)							
VALUE		MULTIPLIER		ADD		SIZE			
UNIT #:		38155A 008672							
TOOL #:		2223XA 10102923		DATE/TIME PERFORMED:		Tue Jan 29 22:25:06 2013		DAYS SINCE CAL: 11	

CAL[2] AFTER LOG VERIFICATION SUMMARY

DIA METER (arm+pad)		380.000		379.7		369.8		390.2	
		(mm)		(mm)					
ACTUAL		MEASURED							
PAD		2400.0		0.06350		-113.28400		39.1	
ARM		2524.0		0.09961		74.20783		325.6	
		(mm)							
VALUE		MULTIPLIER		ADD		SIZE			
UNIT #:		38155A 008672							
TOOL #:		2223XA 10102923		DATE/TIME PERFORMED:		Tue Jan 29 22:24:24 2013		DAYS SINCE CAL: 11	

CAL[2] BEFORE LOG VERIFICATION SUMMARY