

Company: University Of Utah

Well: FORGE 78B-32

Field: None

County: Beaver Country:

Temperature Log

Gamma Ray

Gammitta Ray

County:	Beaver						
Field:	None						
Location:	Lat: 38.500171, Long: -112.88221						
Well:	FORGE 78B-32						
Company:	University Of Utah						
Location:	Lat: 38.500171, Long: -112.88221	Elev.:			K.B.	5565.50 ft	
	Permanent Datum:				G.L.	5536.00 ft	
					D.F.		
	Log Measured From:	Ground Level	Elev.:	5536.00 f			
Drilling Measured From:	Kelly Bushing	29.50 ft	above Perm.Datum				
	Kelly Bushing						
API Serial No.	Max.Hole Deviation	Longitude:	Latitude:				
NRC 42-00090-03	0 deg	112° 52' 55.956" W	38° 30' 0.616" N				

Logging Date 30-Jul-2021

Run Number 1B

Depth Driller 9500.00 ft

Schlumberger Depth 9532.00 ft

Bottom Log Interval 9532.00 ft

Top Log Interval 8530.00 ft

Casing Driller Size @ Depth 7 in @ 8508.00 ft

Casing Schlumberger 8530 ft

Bit Size 5.75 in

Type Fluid In Hole Water

Density 8.3 lbm/gal

Fluid Loss PH 24 s

MUD 11

Source of Sample Flowline

RM @ Meas Temp 5.2 ohm.m @ 62 degF

RMF @ Meas Temp 4.42 ohm.m @ 62 degF

RMC @ Meas Temp 6.21 ohm.m @ 62 degF

Source RMF Calculated

RM @ BHT RMC @ BHT

Max Recorded Temperatures 0.84 @ 419 0.71 @ 419

Circulation Stopped 419 degF

Logger on Bottom 28-Jul-2021 20:00:00

Unit Number 30-Jul-2021 02:17:00

Recorded By 9108 CSTILES F.Morgan

Witnessed By Virgil Welch

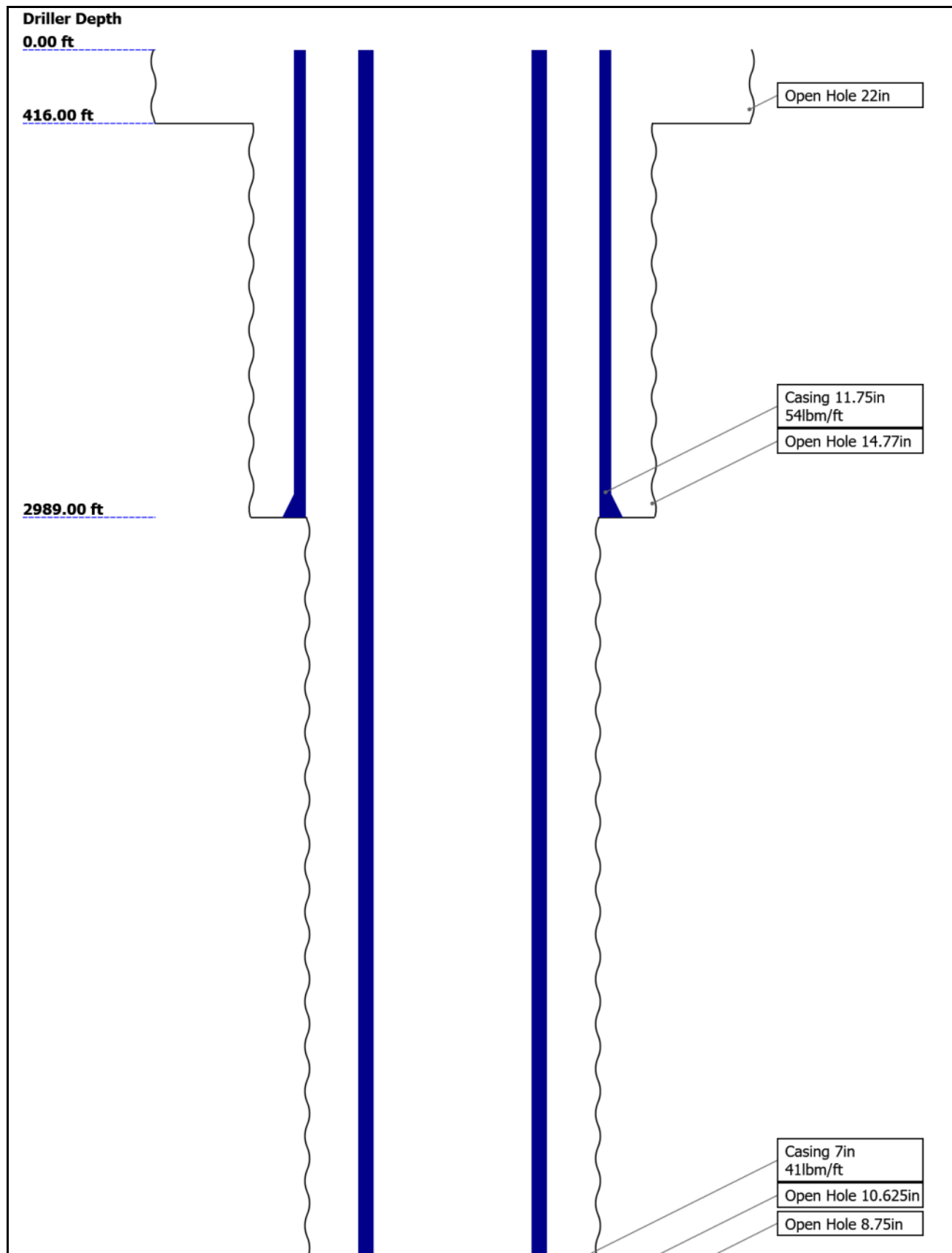
Disclaimer

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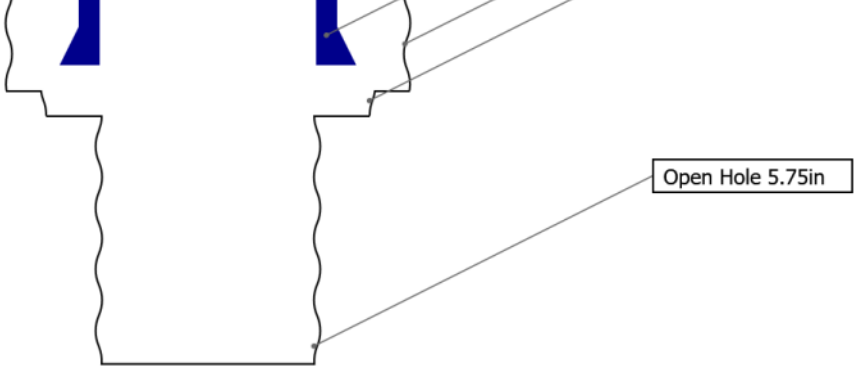
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Well Sketch



8508.00 ft
8514.00 ft
8540.00 ft

9500.00 ft



Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	22	14.77	10.625	8.75	5.75	
Top Driller (ft)	0	416	2989	8514	8540	
Top Logger (ft)	0	416	2989	8514	8530	
Bottom Driller (ft)	416	2989	8514	8540	9500	
Bottom Logger (ft)	416	2989	8514	8530	9532	
Casing						
Size (in)	11.75	7				
Weight (lbm/ft)	54	41				
Inner Diameter (in)	10.88	5.83				
Grade	N/A	N/A				
Top Driller (ft)	0	0				
Top Logger (ft)	0	0				
Bottom Driller (ft)	2989	8508				
Bottom Logger (ft)	2988	8530				

Remarks and Equipment Summary

1B: Toolstring	1B: Remarks
<div><div><div>Equip name</div><div>LEH-MT</div><div>LEH-MT</div></div><div><div>Length</div><div>92.55</div></div></div> <div><div><div>Mud Tem</div><div>perature</div></div><div>90.61</div></div> <div><div><div>AH-234</div><div>89.4</div></div><div><div>QTGC-B</div><div>88.21</div></div><div><div>UDFH-PL</div><div>STGC-GR</div><div>STGC-ACC</div><div>Z:7</div><div>STGC-B:81</div><div>21</div></div><div><div>GR</div><div>84.87</div></div><div><div>STGC</div><div>Accelerometer</div><div>0.00</div><div>0.00</div></div><div><div>QILE-A</div><div>77.54</div></div></div>	Tool was run as per tool sketch
	All logging intervals as per client request

QCNT 69.9
UDFH-PAT
NPV-S
QCNC-A:2
NSR-L:4545

CNTM 63.94

CNL Porosity 60.54

AH-238[2] 57.98
1

AH-238[1] 55.98
1

QSLT-B:80 53.98
22
UDFH-PA
QSTC-BB:8
02
QSAS-BB:8
022
UDFH-PP
QSLC-BA:8
002

CBL_UP 46.32

VDL_UP 45.32

RX_ARRAY 43.82

VDL_LOW 42.32

DT_DDB 41.82

HC
CBL_LOW 41.32

QAIT-A:43
3
UDFH-PLB
SAIC-A:94
QAIS-A:43
AQRM



Power S 9.9
upply
Inductio 9.9
n
Tempera 9.9
ture

SP 0.08
Tool Zero 0.00
Mud Resistivity
Head
Vision

Lengths are in ft
Maximum Outer Diameter = Head
Line: Sensor Location, Value: Gauge Offset
All measurements are relative to TOOL_ZERO

Depth Summary

1B

Depth Measuring Device

Type	IDW-JA
Serial Number	6160
Calibration Date	30-Sep-2020
Calibrator Serial Number	57
Calibration Cable Type	7-46 AXS
Wheel Correction 1	-9
Wheel Correction 2	-7

Tension Device

Type	CMTD-B/A		
Serial Number	946		
Calibration Date	02-Jun-2020		
Calibrator Serial Number	78165A		
Number of Calibration Points	10		
Calibration Root Mean Square Error	8		
Calibration Peak Error	12		

Logging Cable

Type	7-46A-XS		
Serial Number	1219083		
Length	18000.00 ft		
Conveyance Type	Wireline		
Rig Type	Land		

1B:Depth Control Parameters	Depth Control Remarks
Log Sequence	First Log In the Well
Rig Up Length At Surface	Schlumberger depth control procedures followed
Rig Up Length At Bottom	IDW used as primary depth control system
Rig Up Length Correction	Z-Chart used as secondary depth control system
Stretch Correction	
Tool Zero Check At Surface	

1B

Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1B	Log[4]:Up	Up	7538.68 ft	9553.06 ft	30-Jul-2021 1:59:13 AM	30-Jul-2021 2:41:25 AM	ON	22.92 ft	Yes

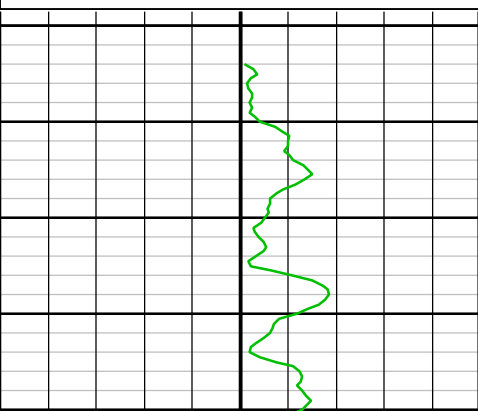
All depths are referenced to toolstring zero

Log	Company:University Of Utah	Well:FORGE 78B-32
	1B: Log[4]:Up:S035	

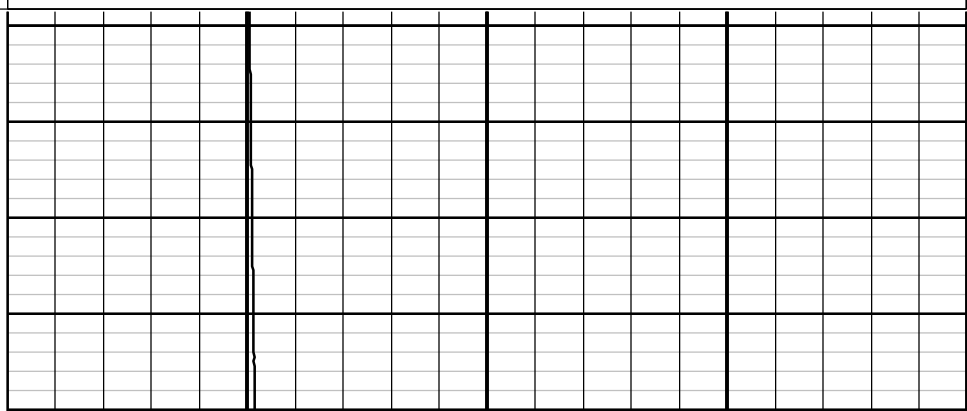
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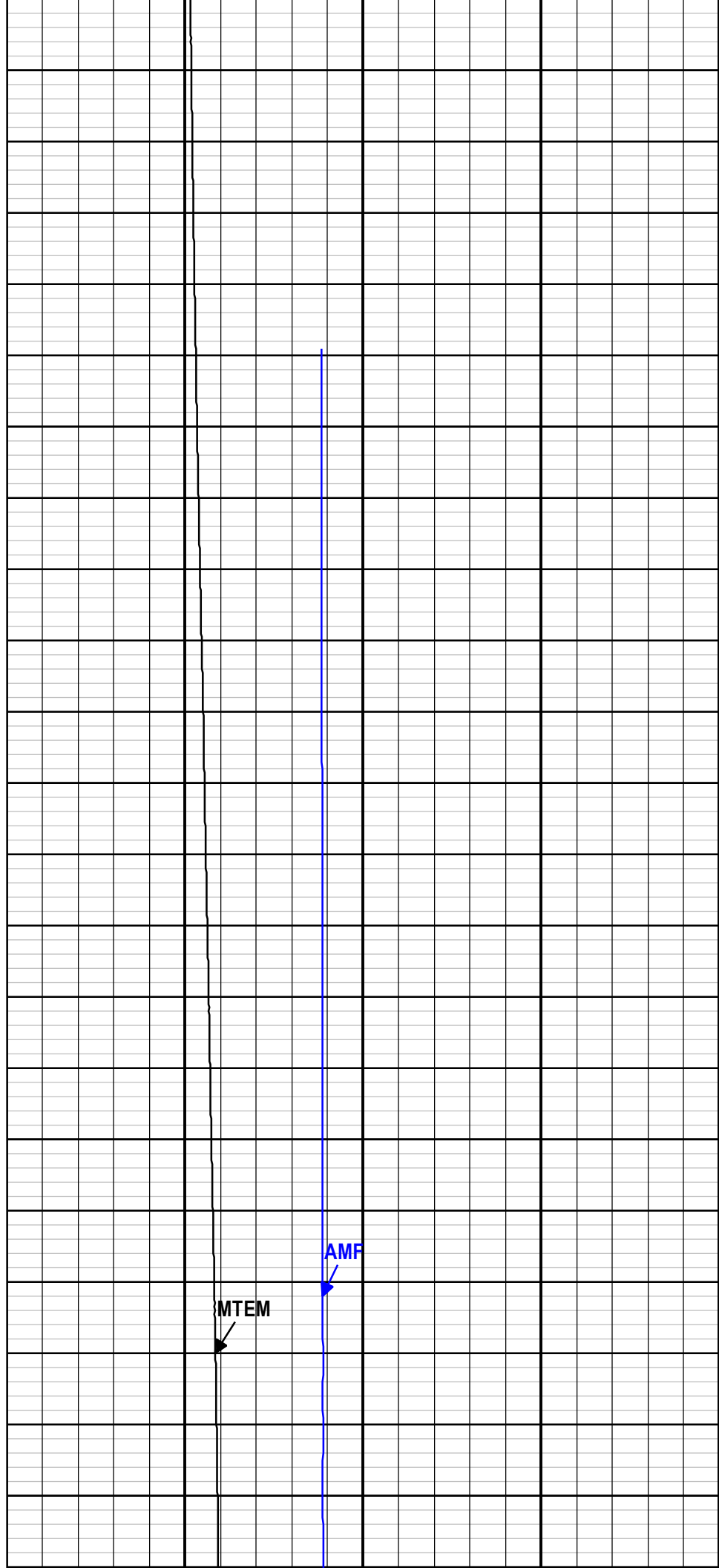
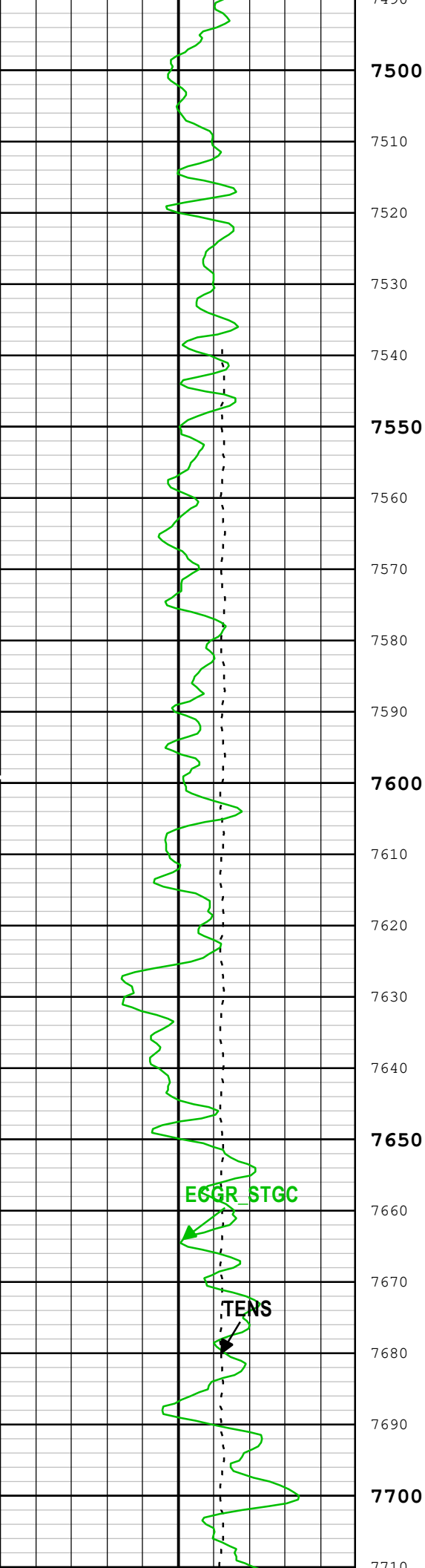
TIME_1900 - Time Marked every 60.00 (s)

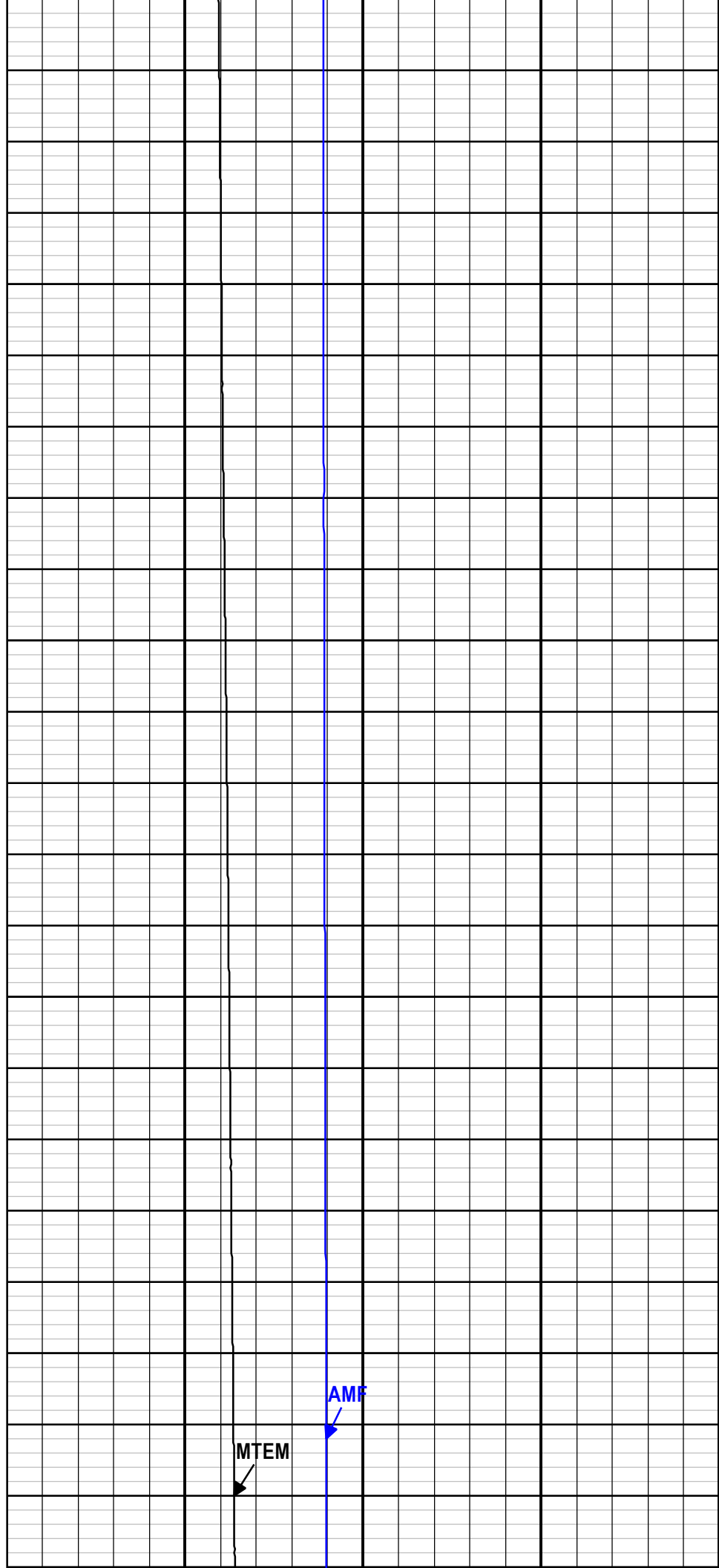
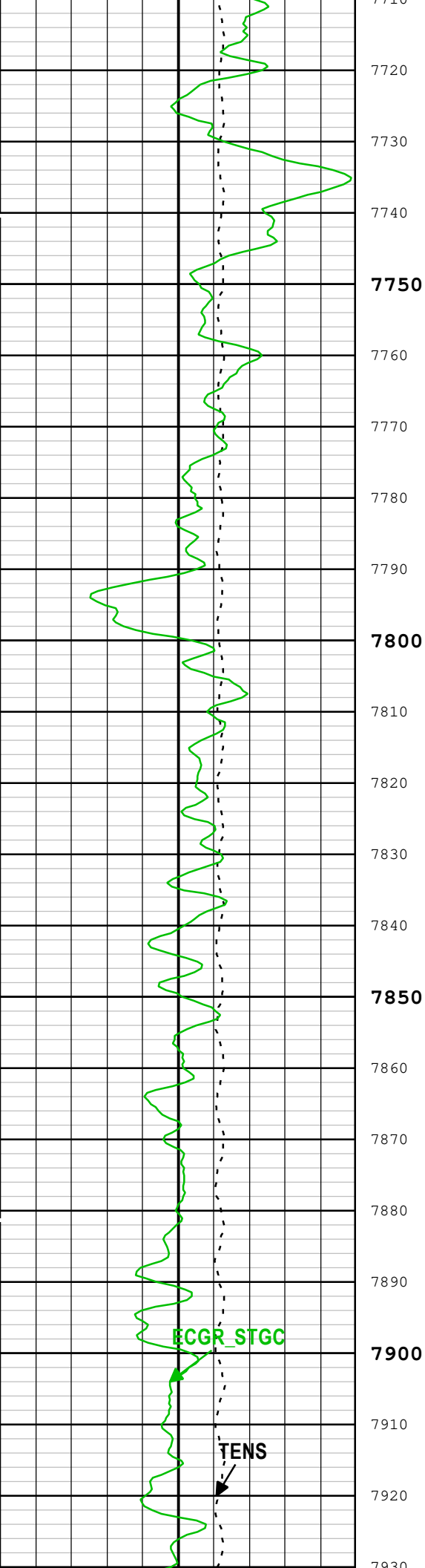
Cable Tension (TENS)		
10000	lbf	0
Gamma Ray (ECGR_STGC) QTGC-B		
0	gAPI	150

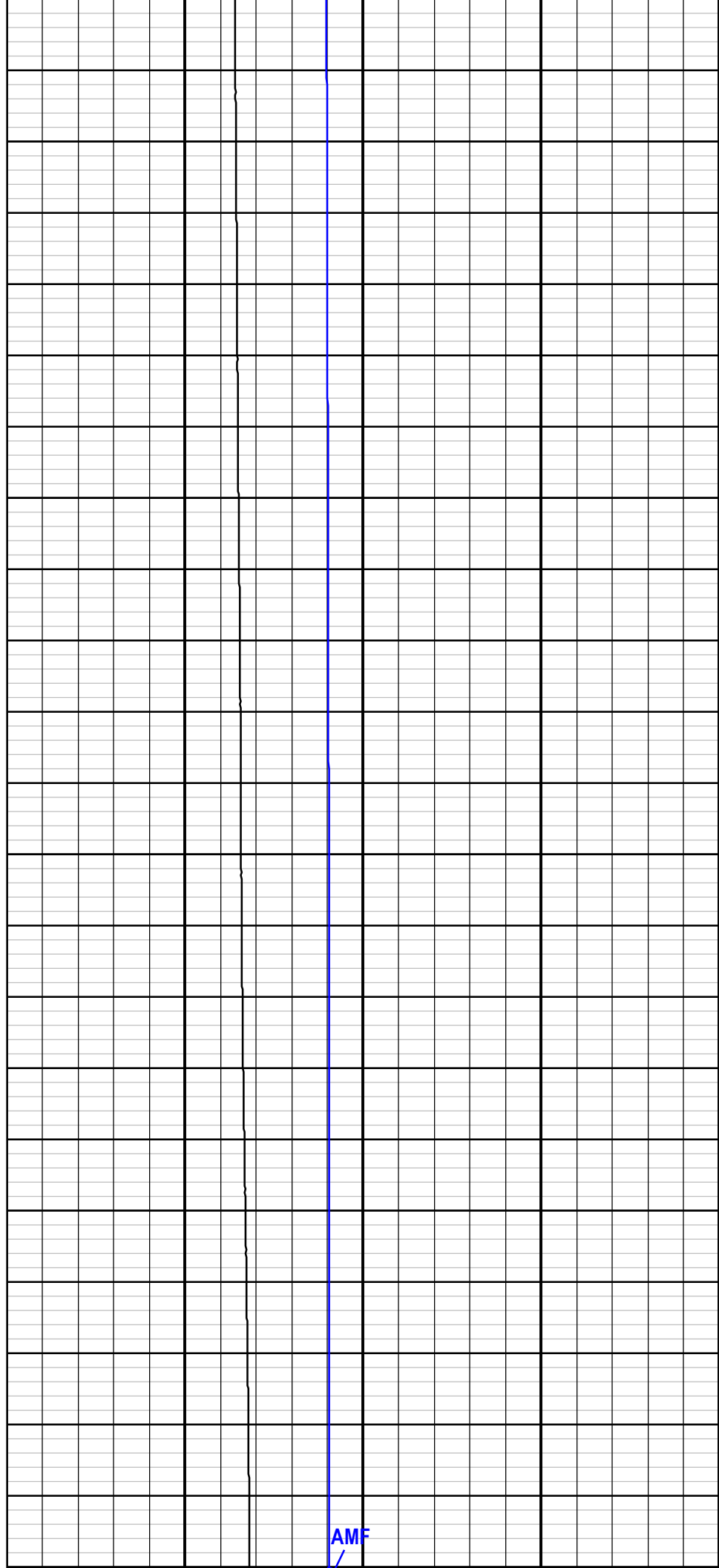
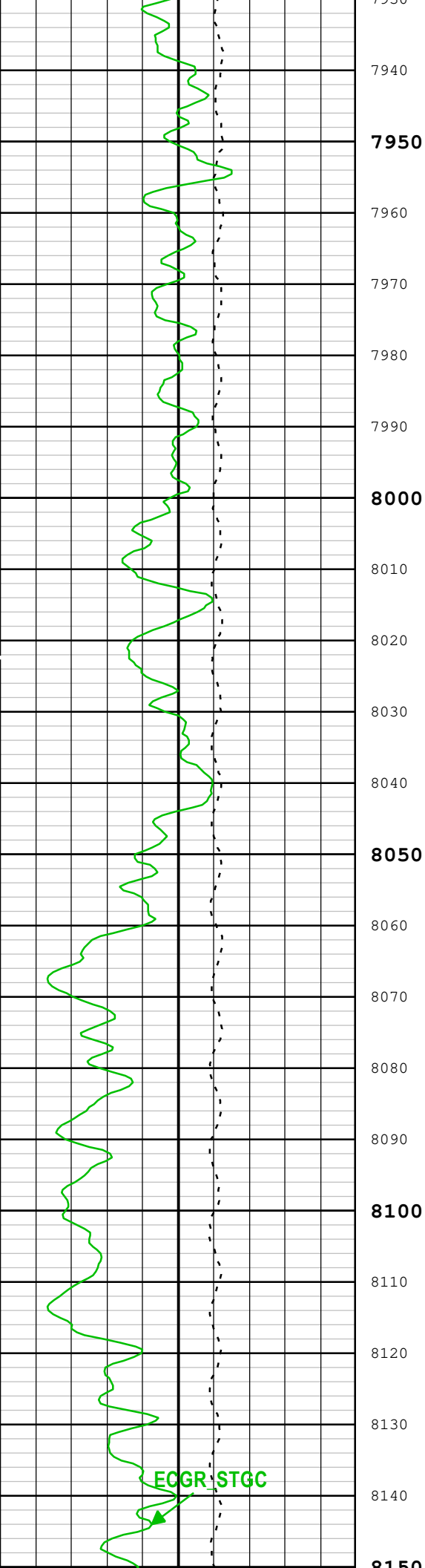


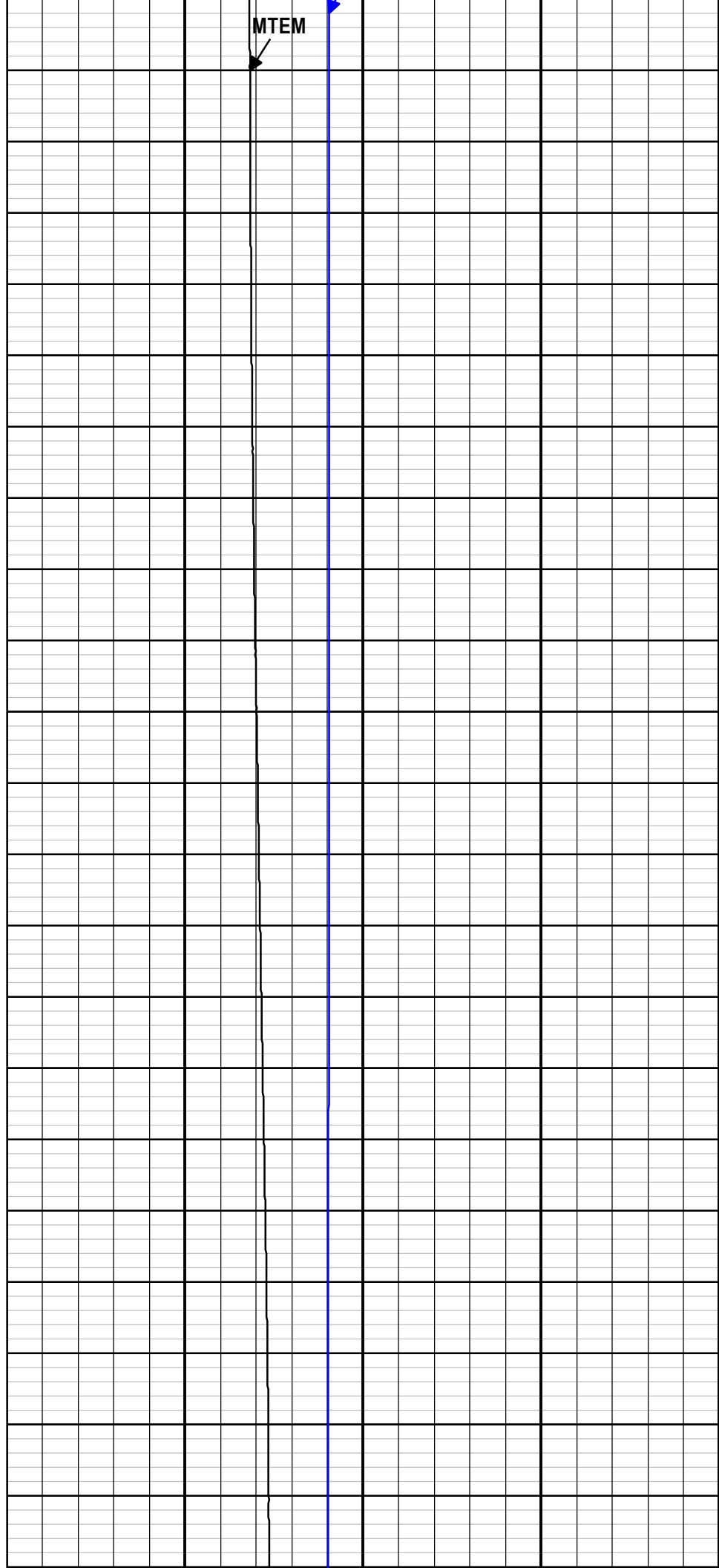
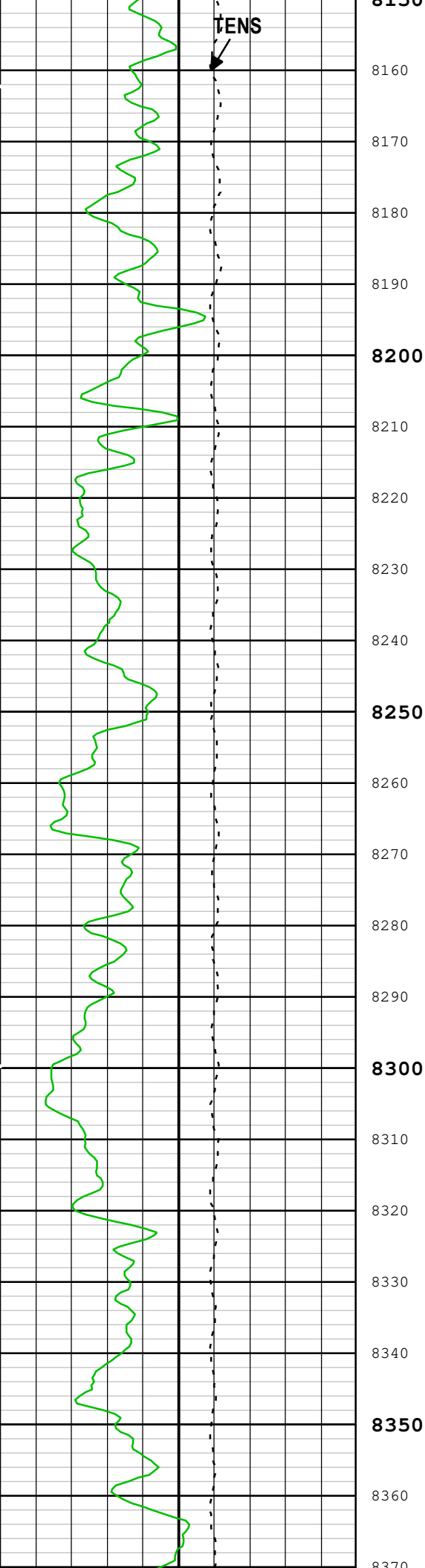
Mud Temperature (MTEM) LEH-MT		
300	degF	500
Array Induction Mud Resistivity Fully Calibrated (AMF) QAIT-A		
0.02	ohm.m	200

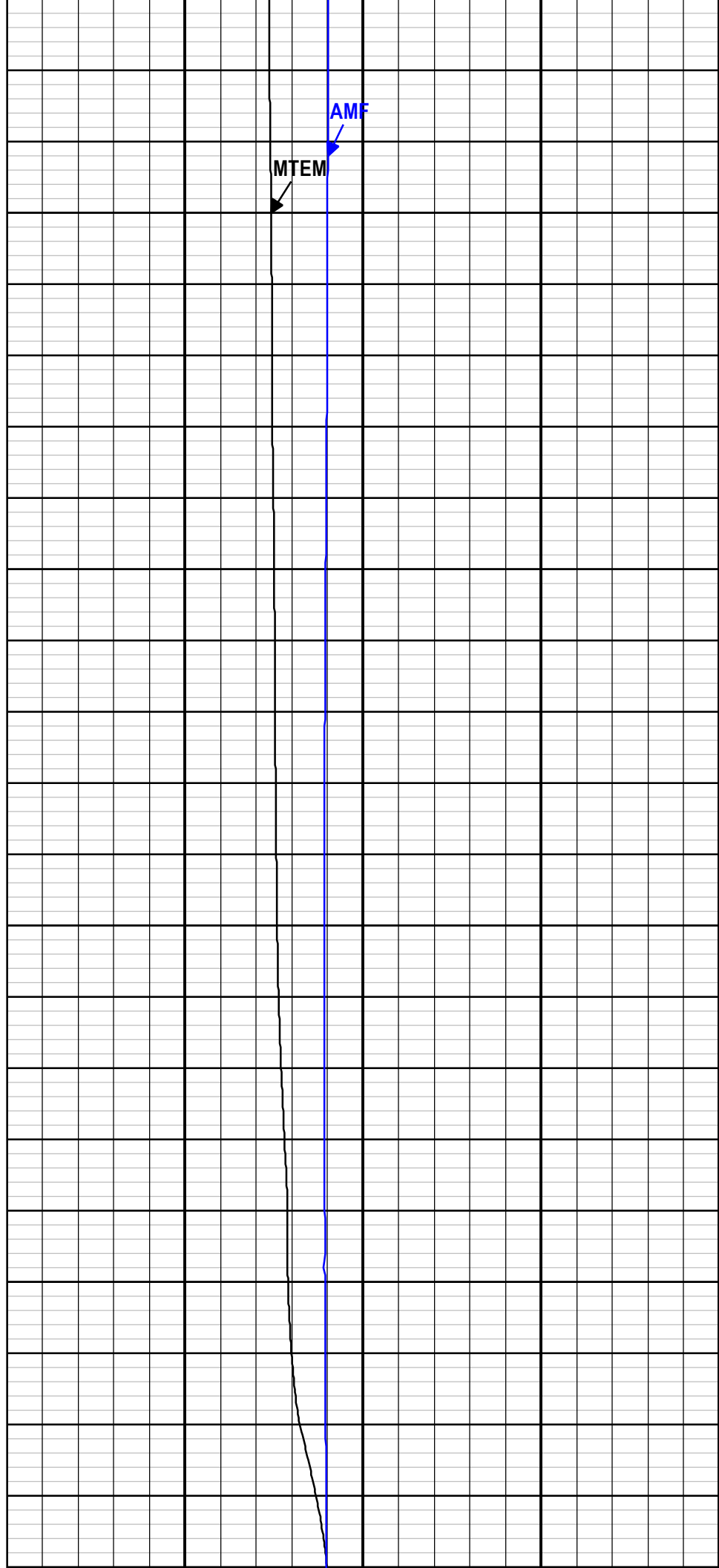
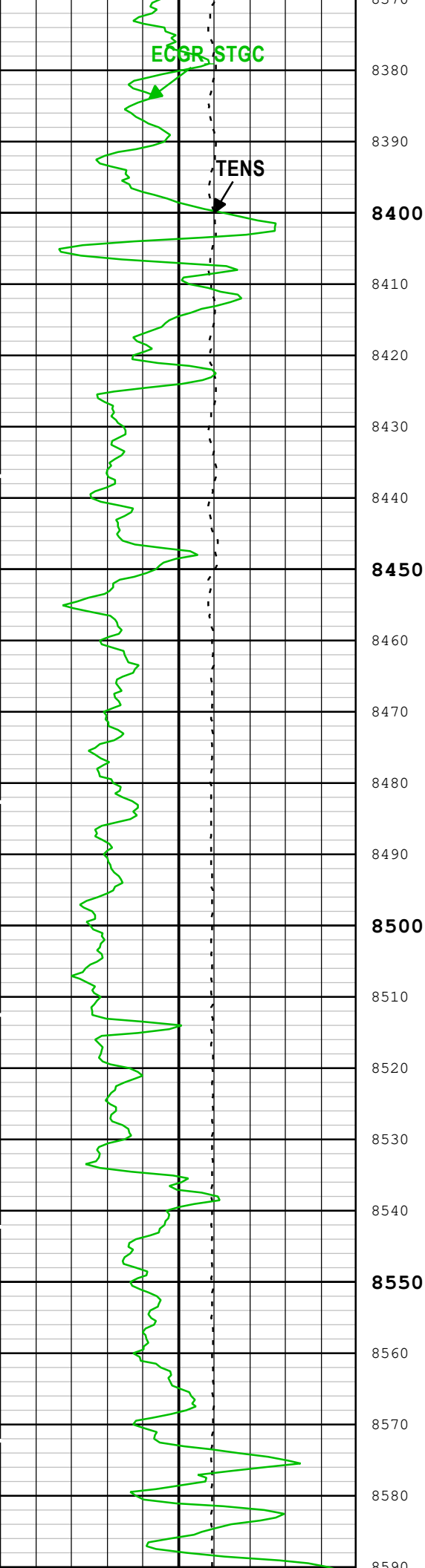


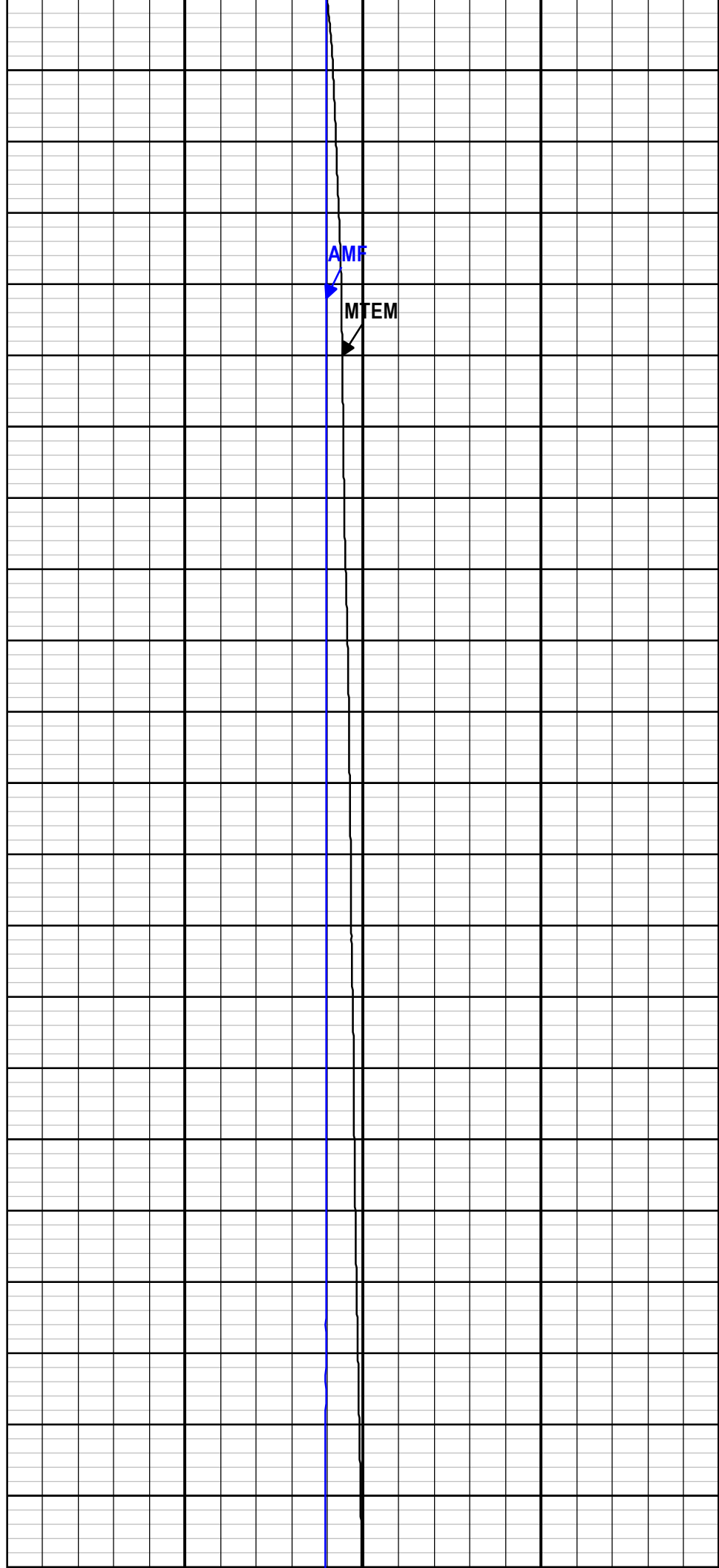
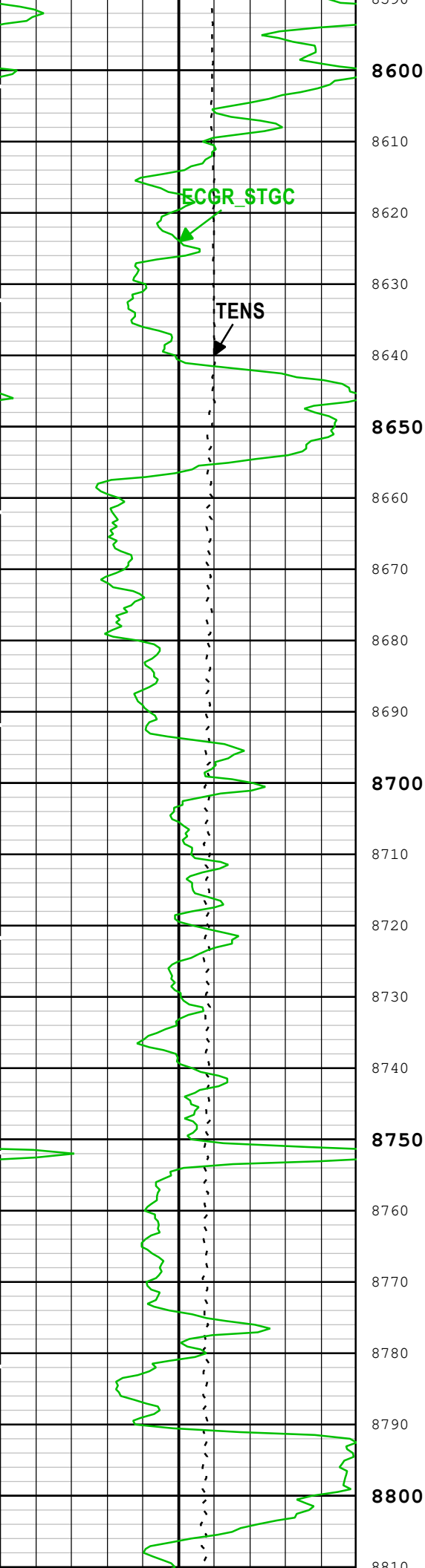


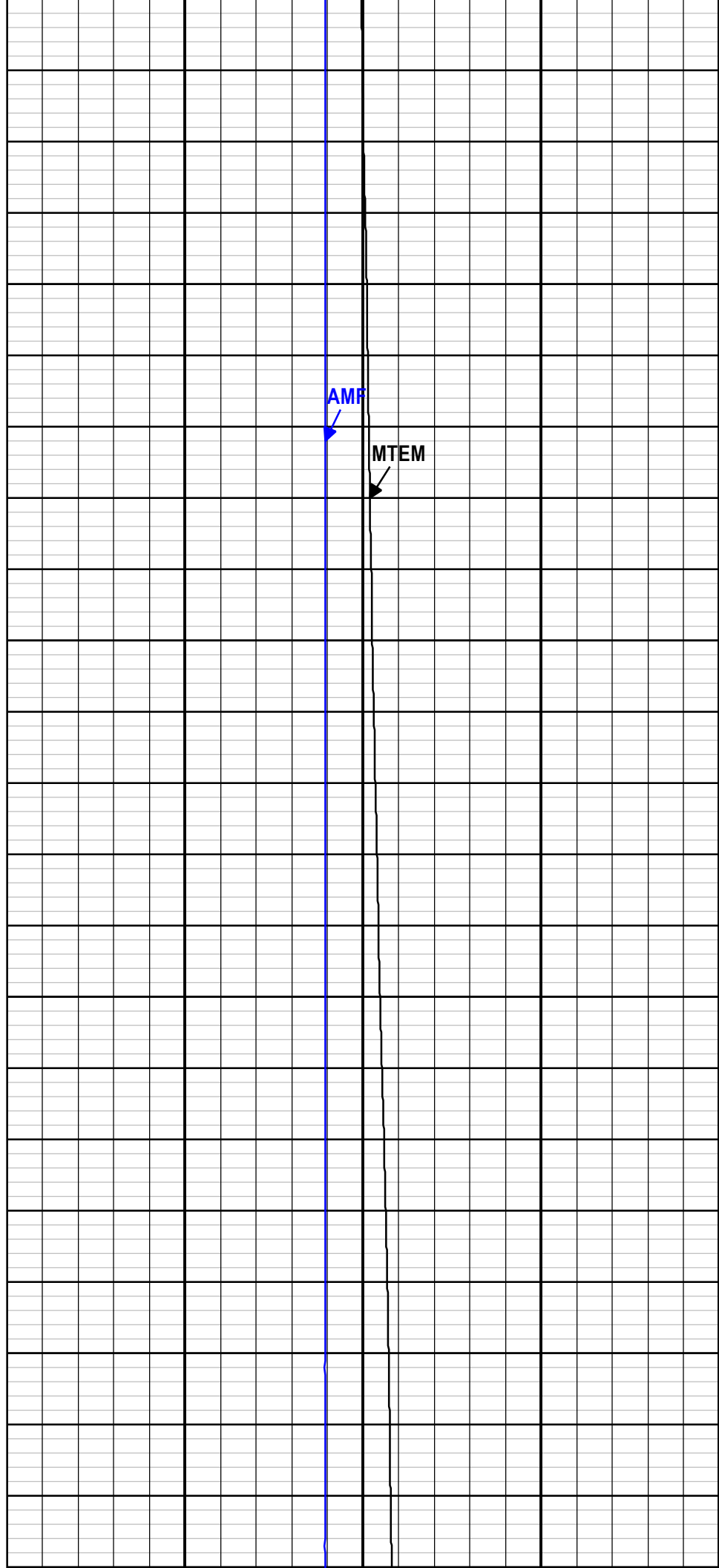
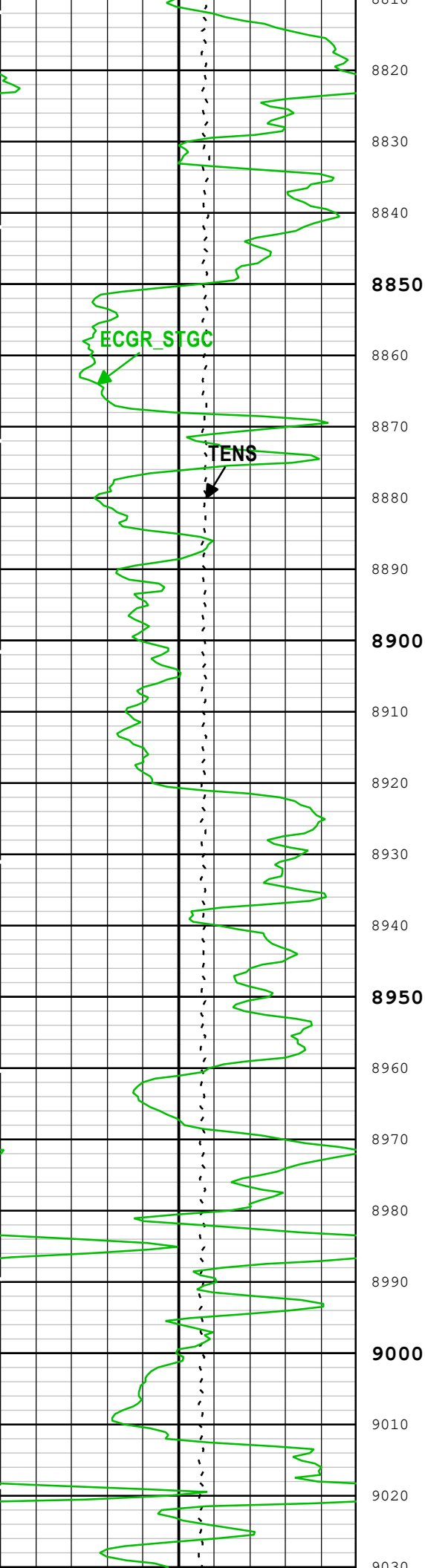


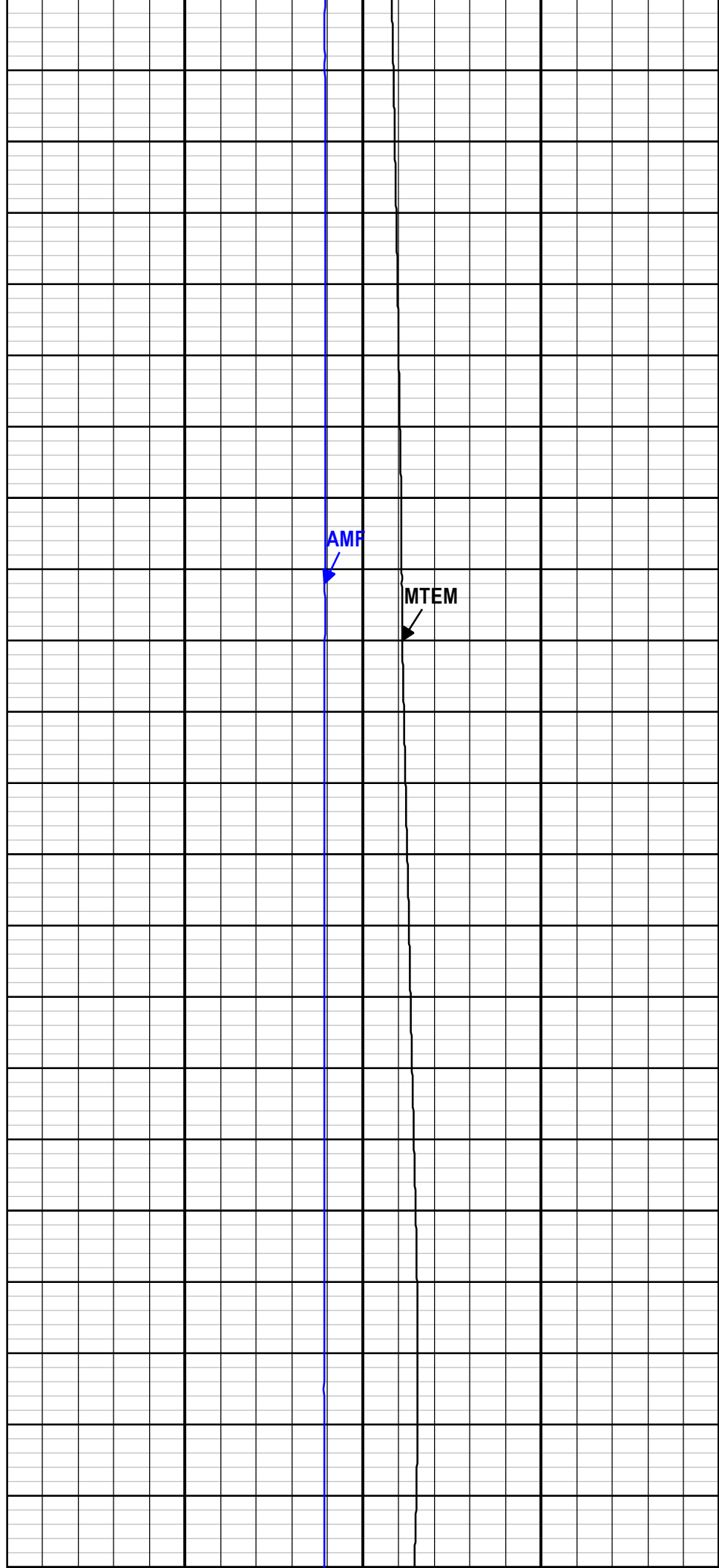
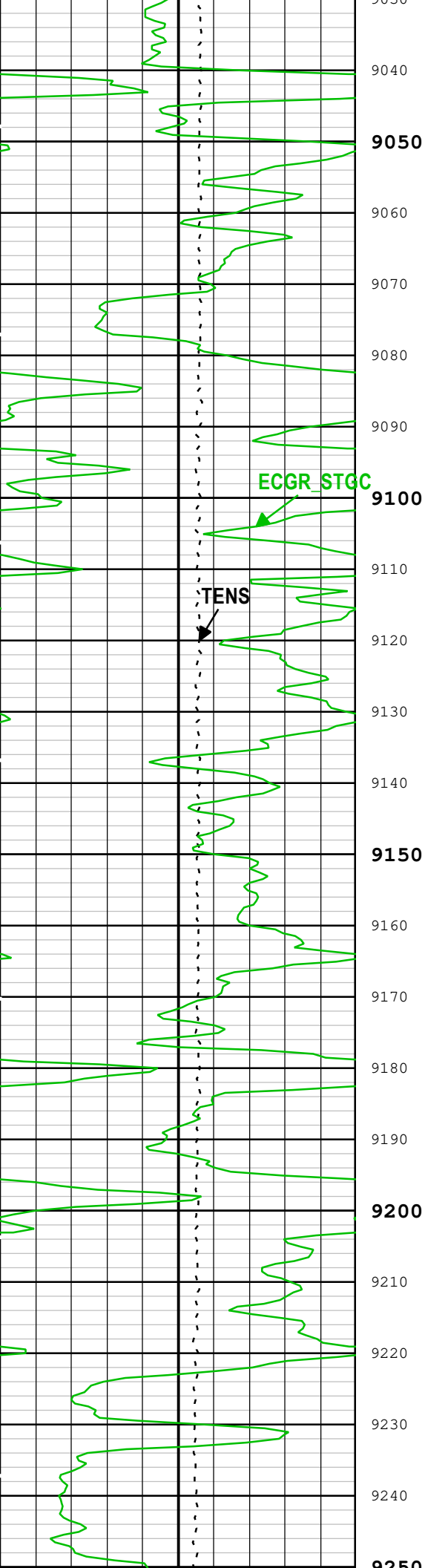


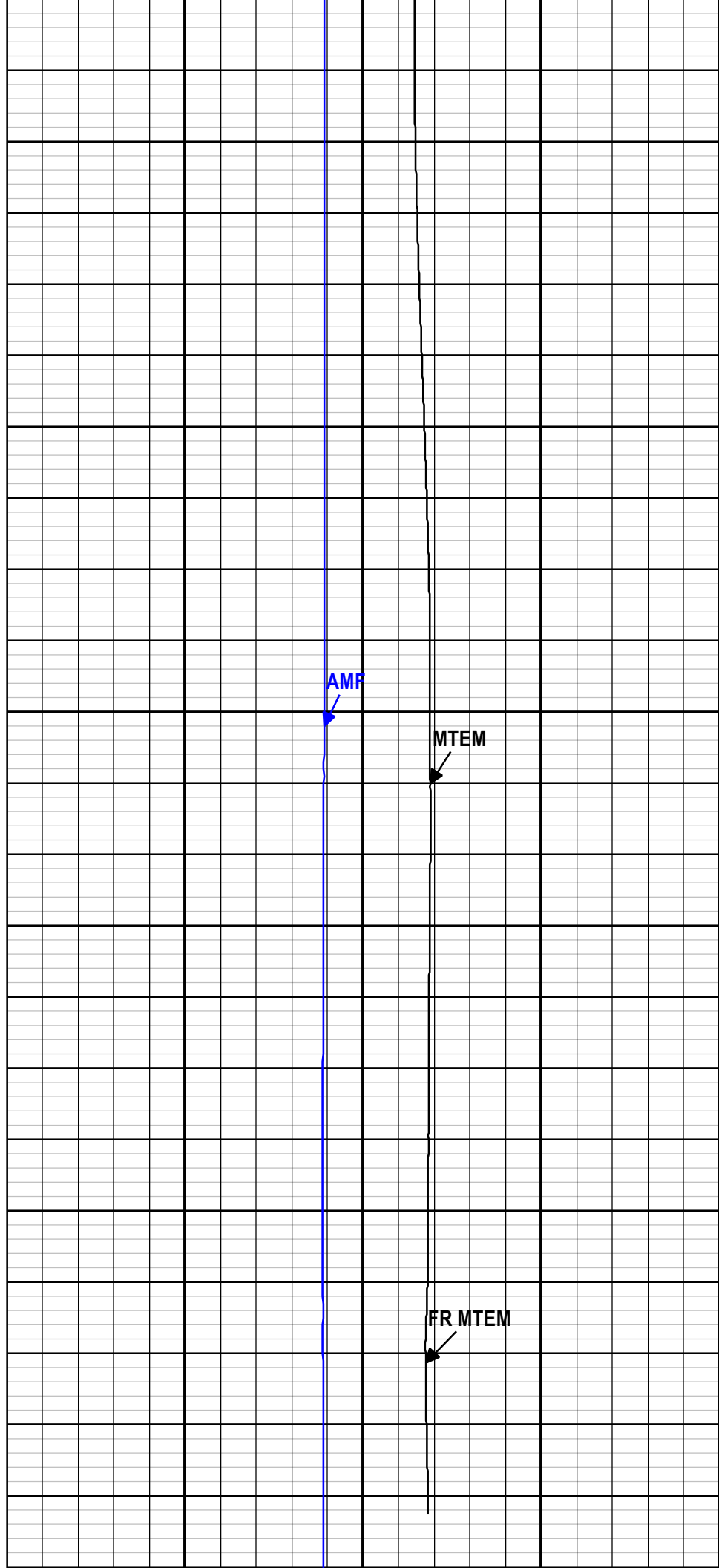
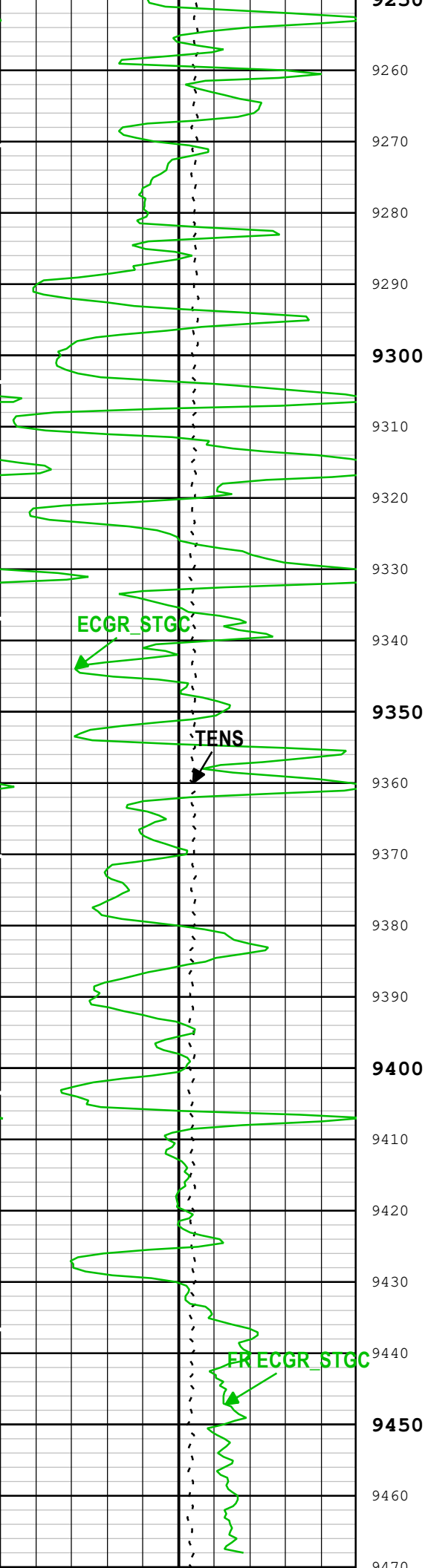


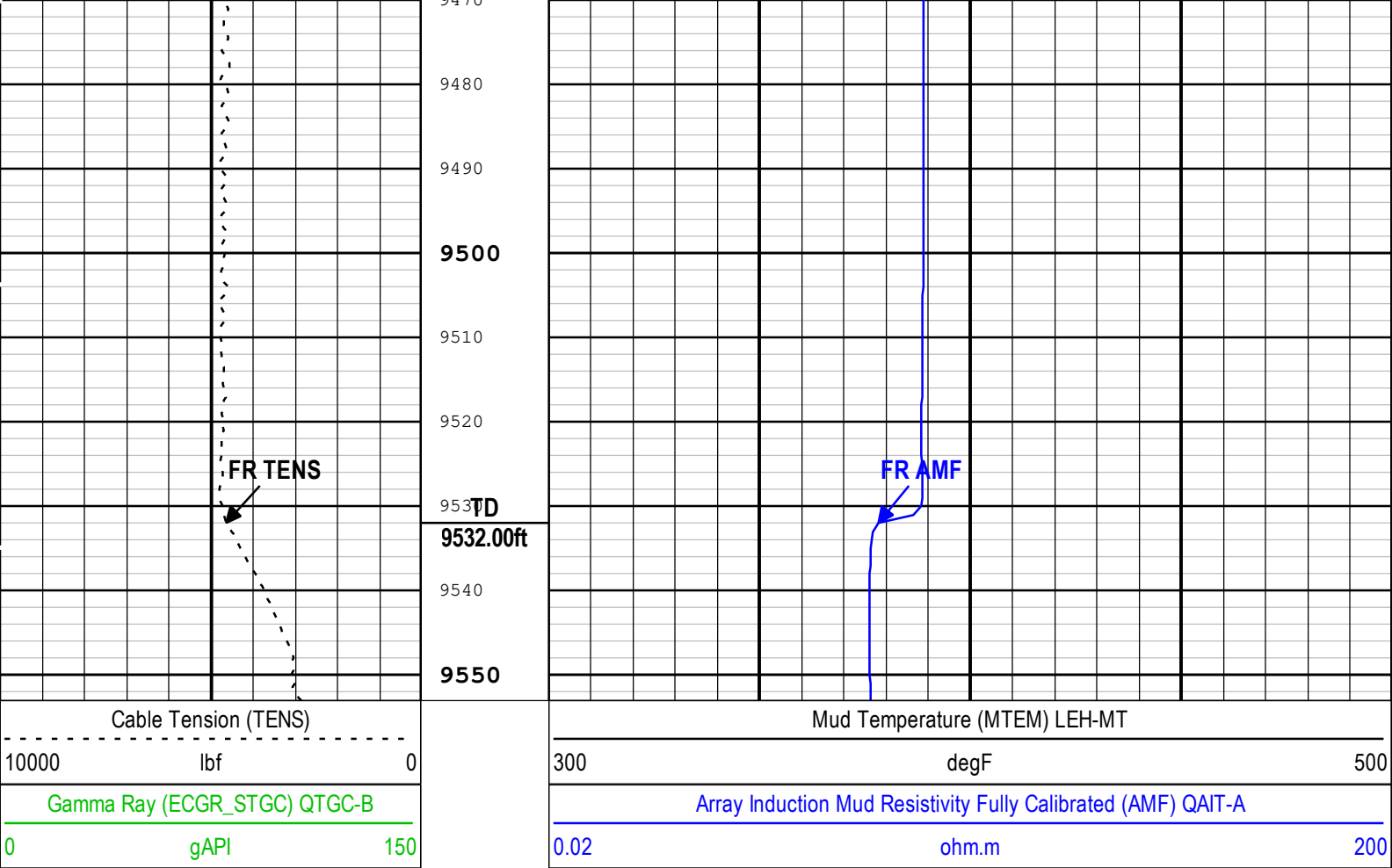












TIME_1900 - Time Marked every 60.00 (s)

Description: Format: Log (TempLog) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 30-Jul-2021 07:06:16

Channel Processing Parameters

1B: Parameters

Parameter	Description	Tool	Value	Unit
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	Depth Zoned	in
CBLO	Casing Bottom (Logger)	WLSESSION	8530	ft
DFD	Drilling Fluid Density	Borehole	8.3	lbm/gal
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS(RT)	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	BS(RT)	
SOCN	Standoff Distance of the Gamma Ray Tool	QTGC-B	0	in
TPOS_STGC	Tool Position: Centered or Eccentered	QTGC-B	Eccentered	

Depth Zone Parameters

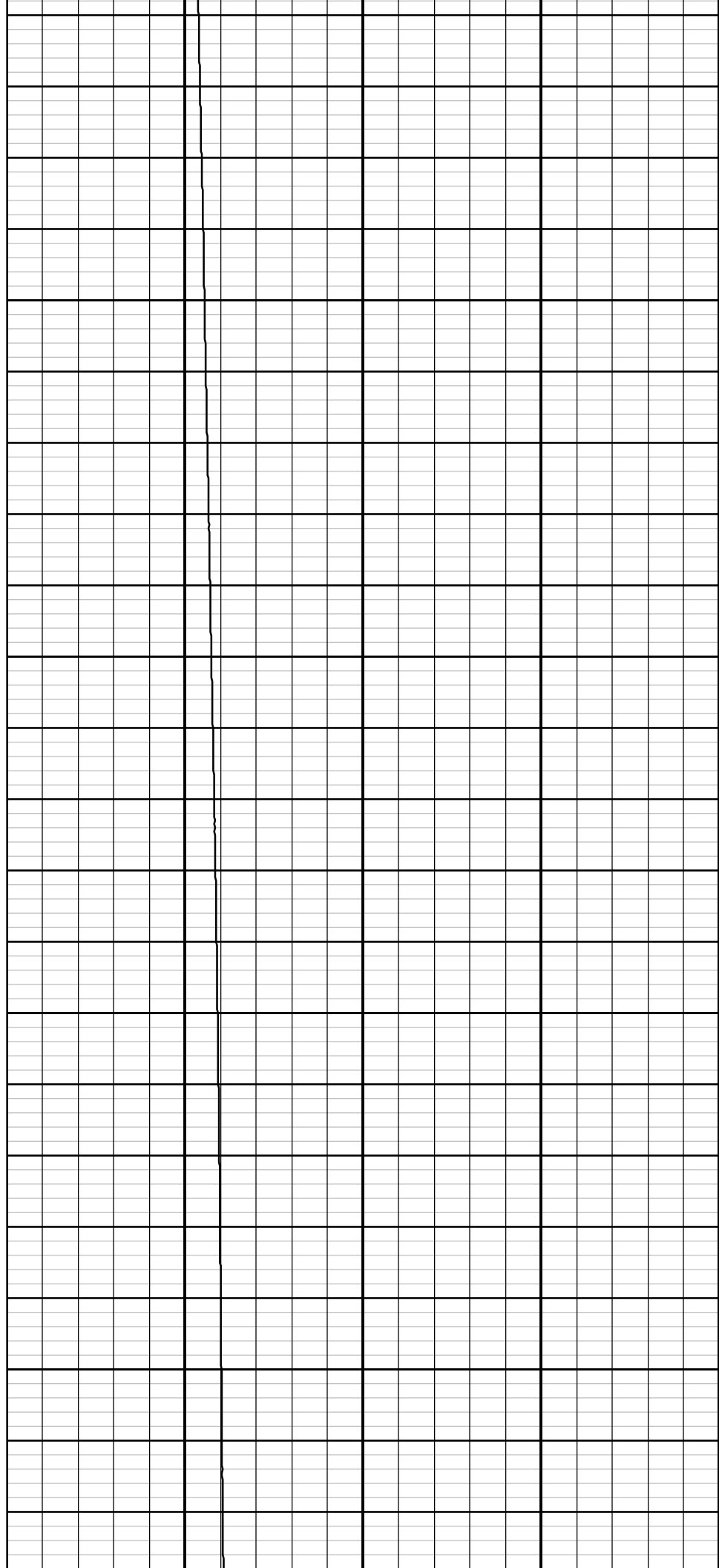
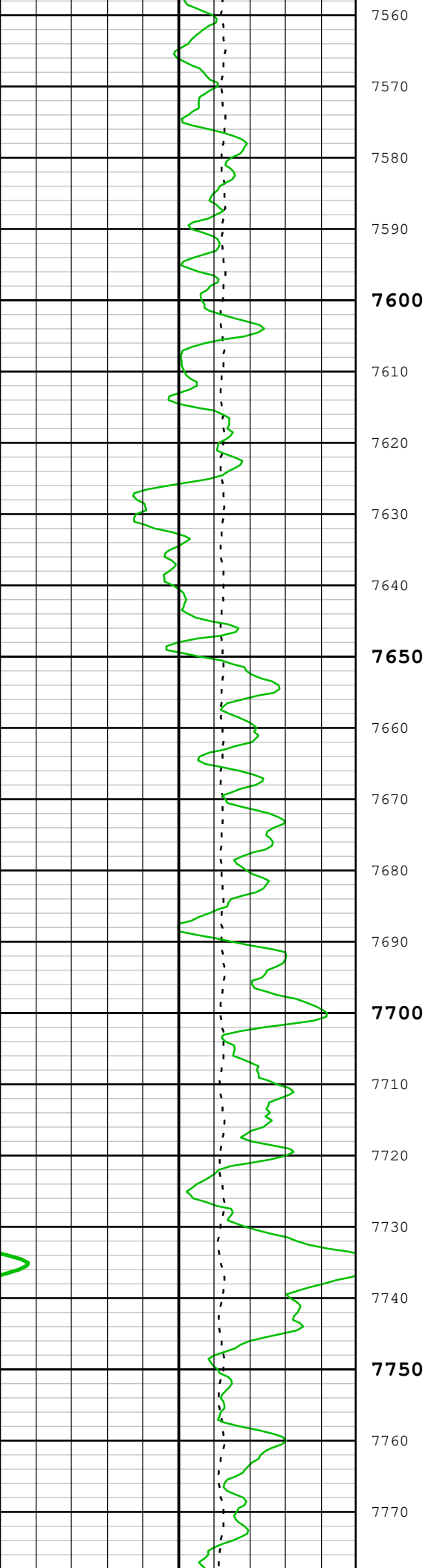
Parameter	Value	Start (ft)	Stop (ft)
BS	10.625	7448.5	8514
BS	8.75	8514	8530
BS	5.75	8530	9532

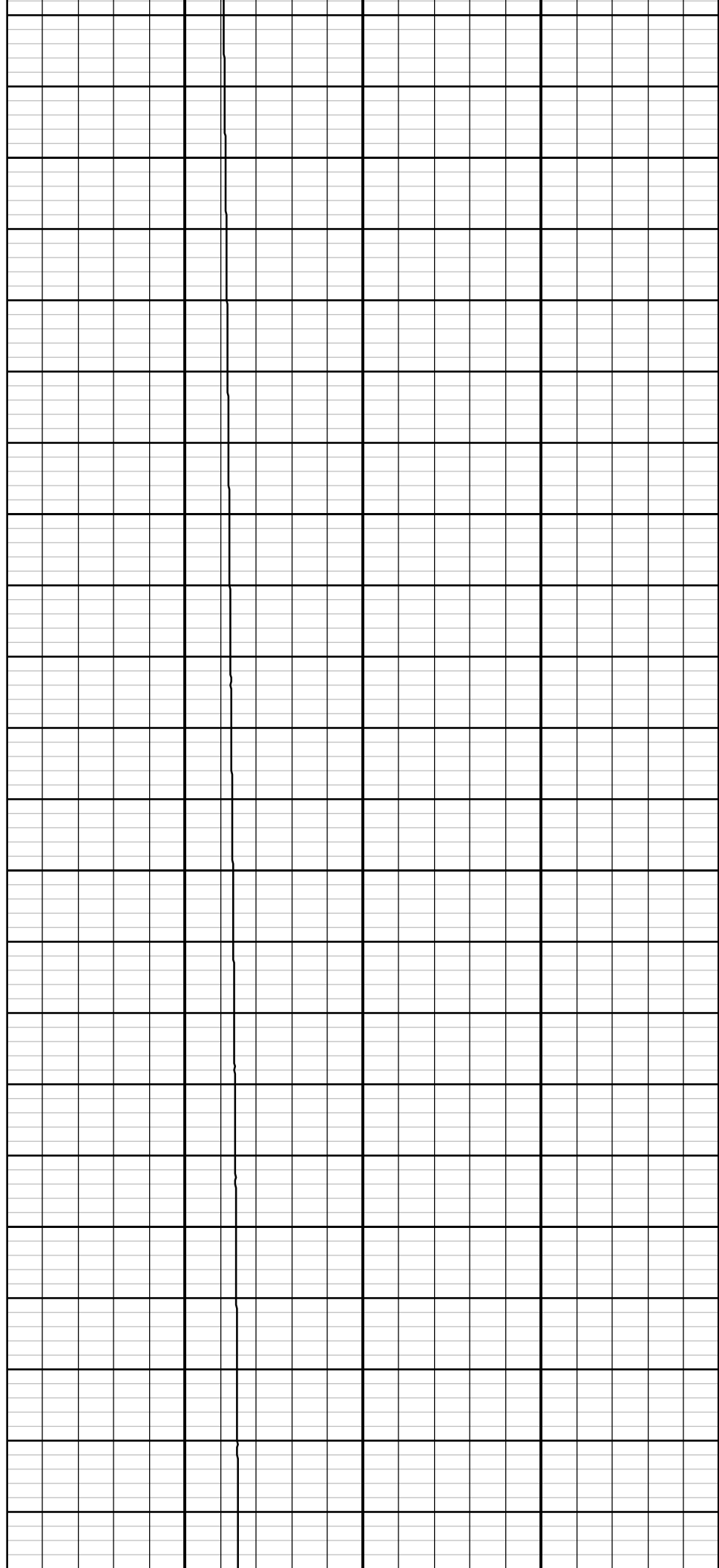
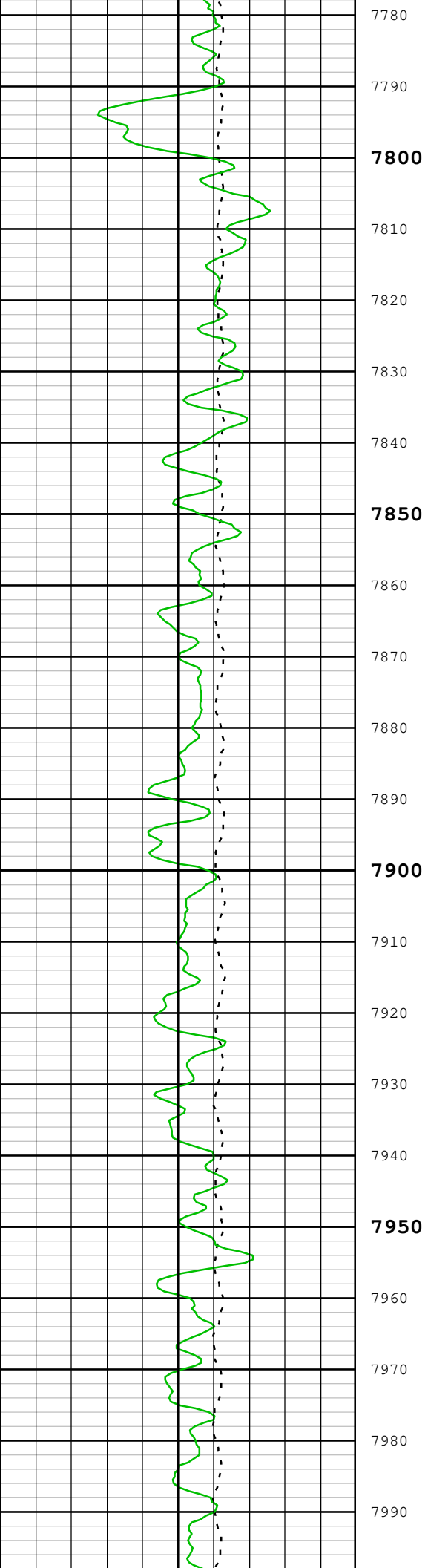
All depth are actual.

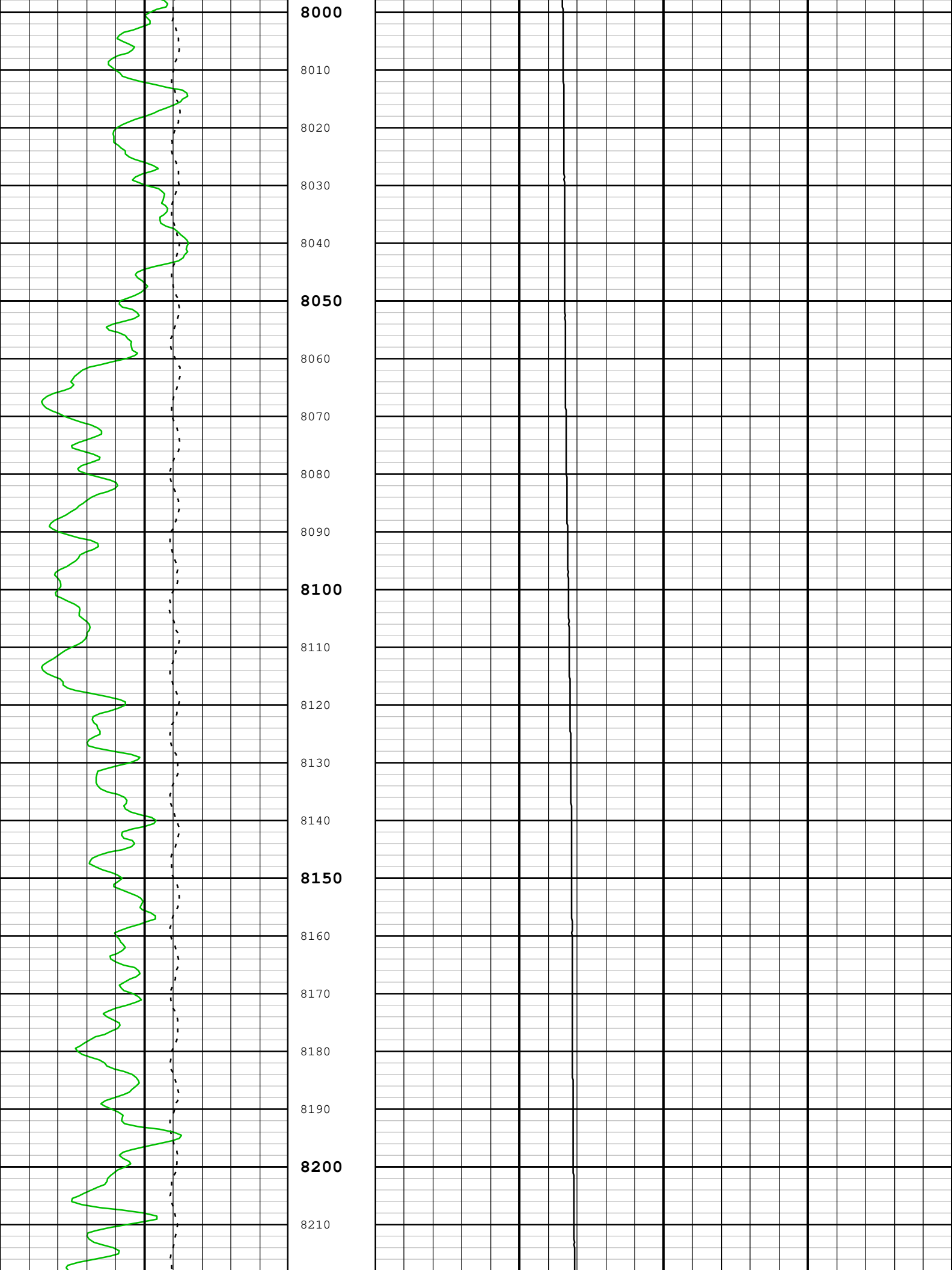
Tool Control Parameters

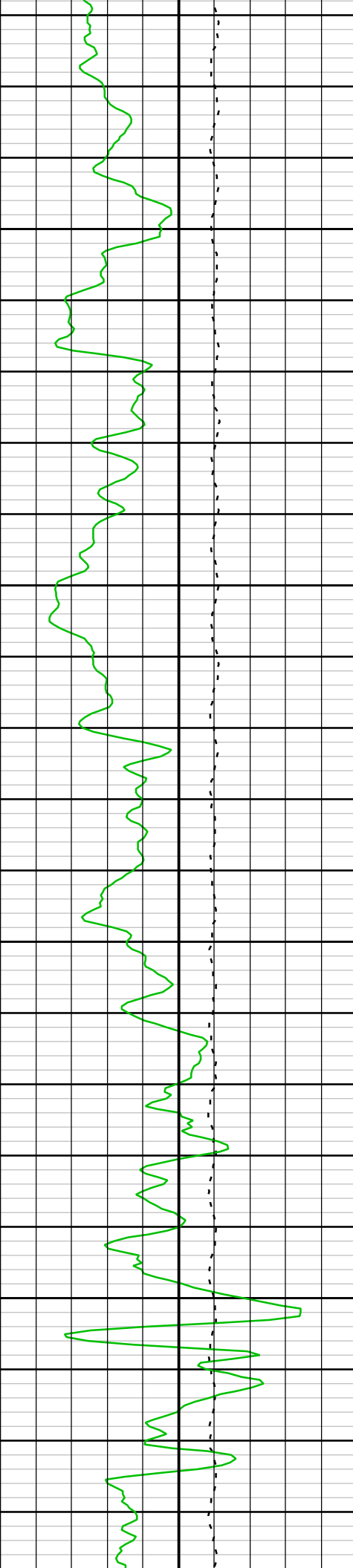
1B: Parameters

Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	1800	ft/h

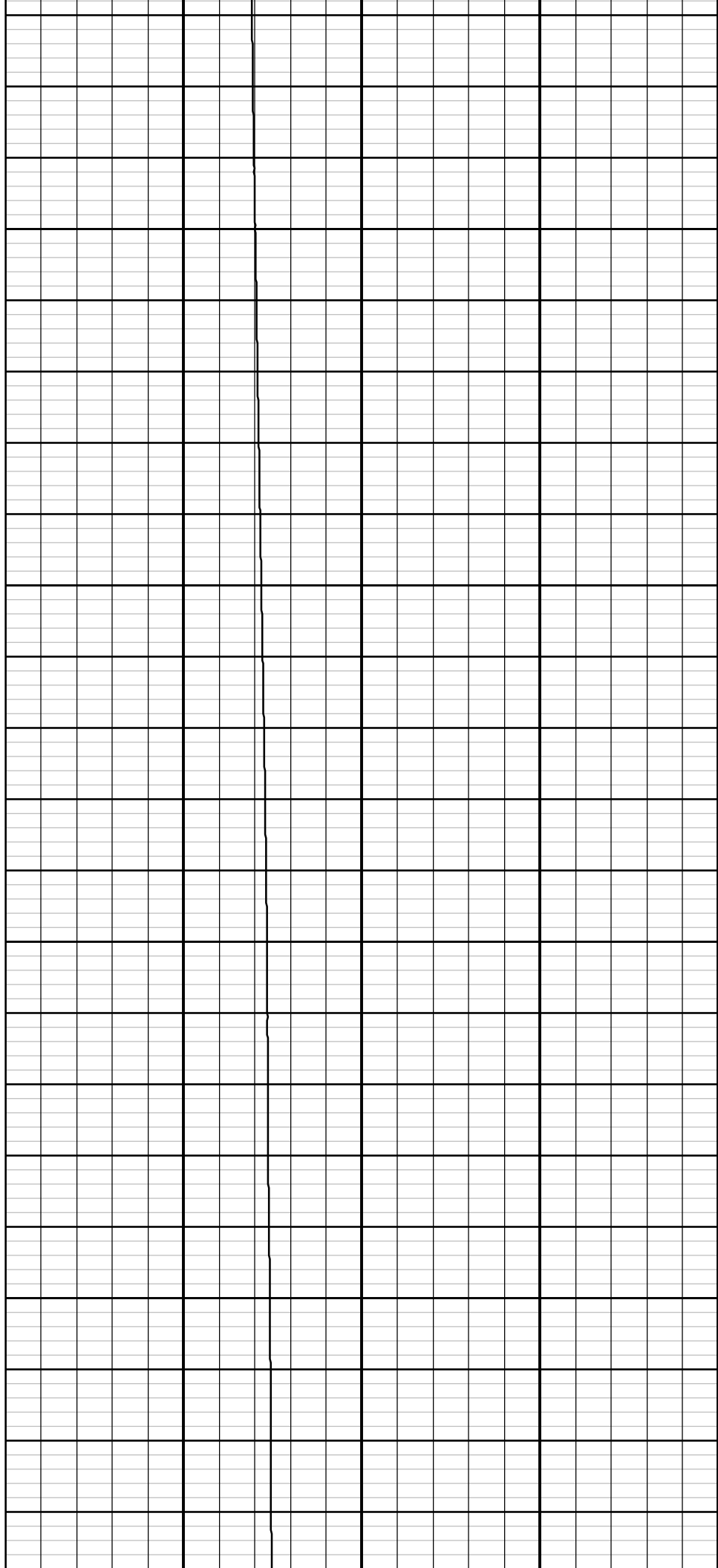


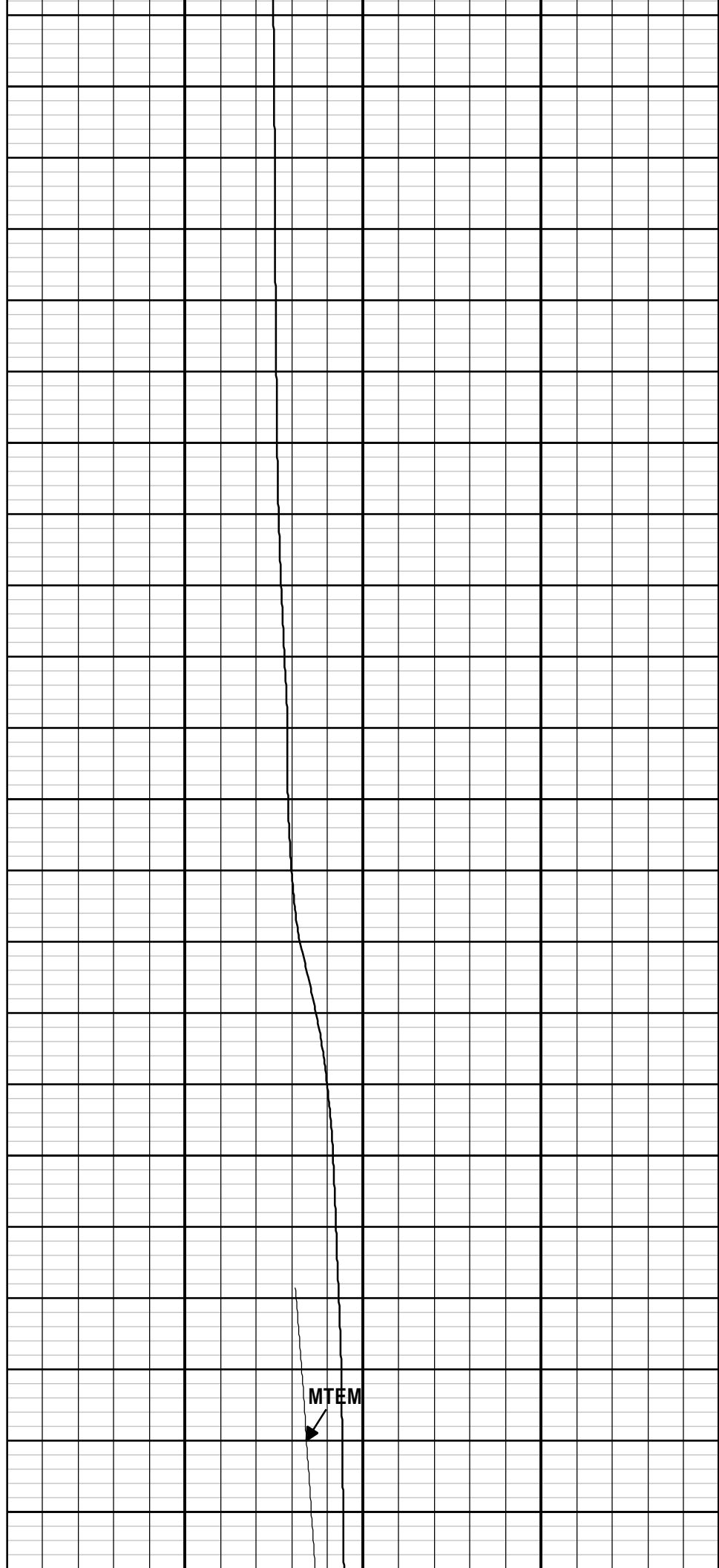
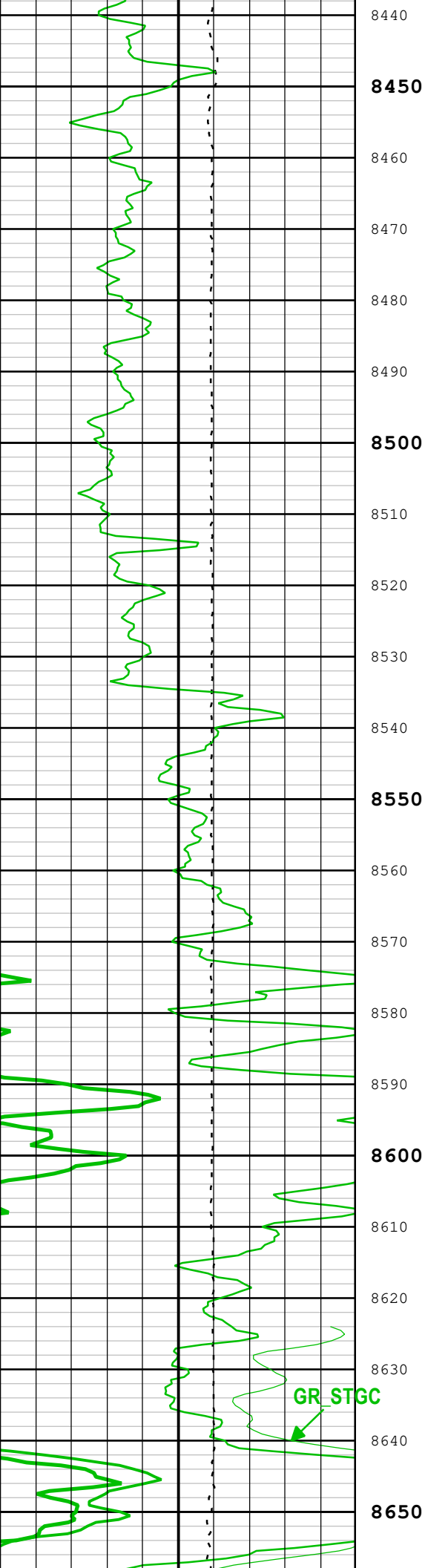


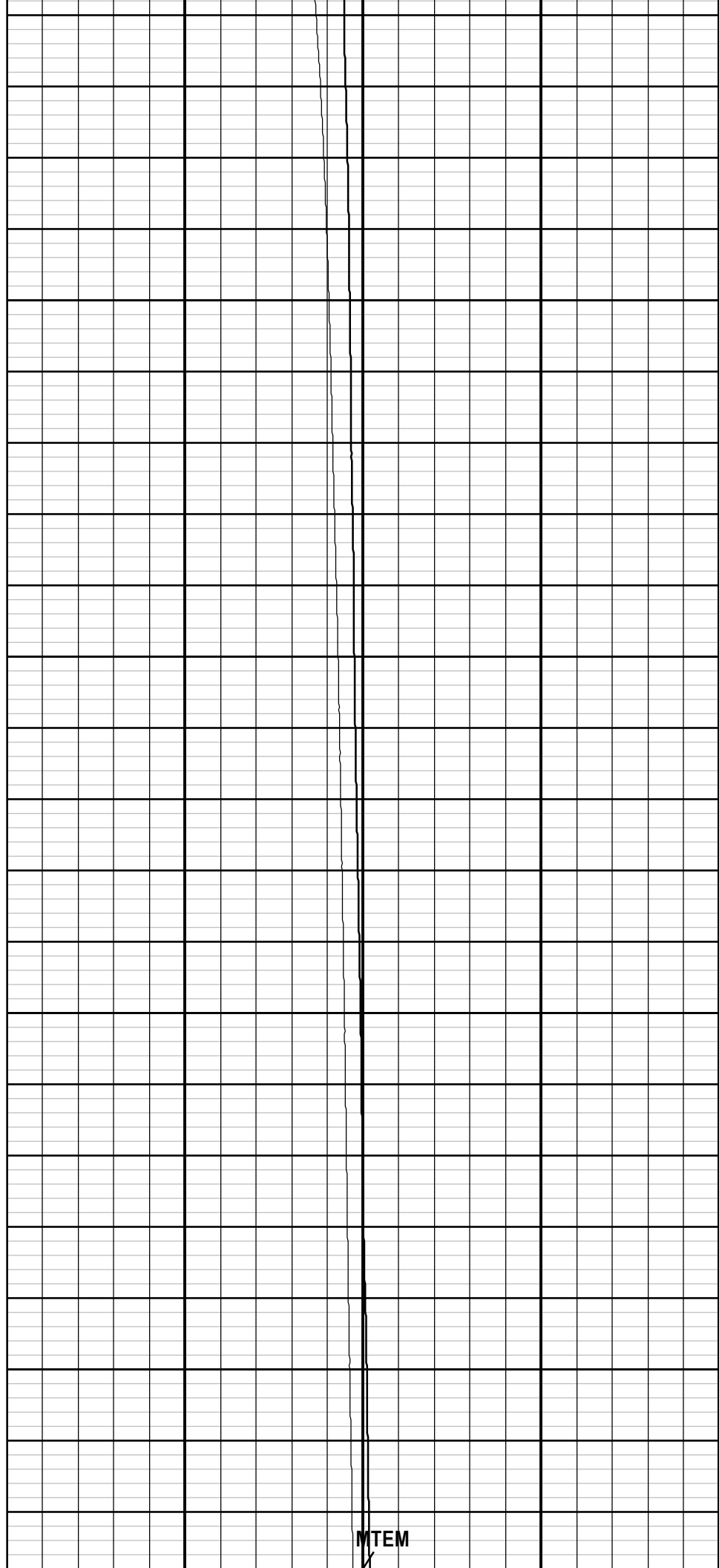
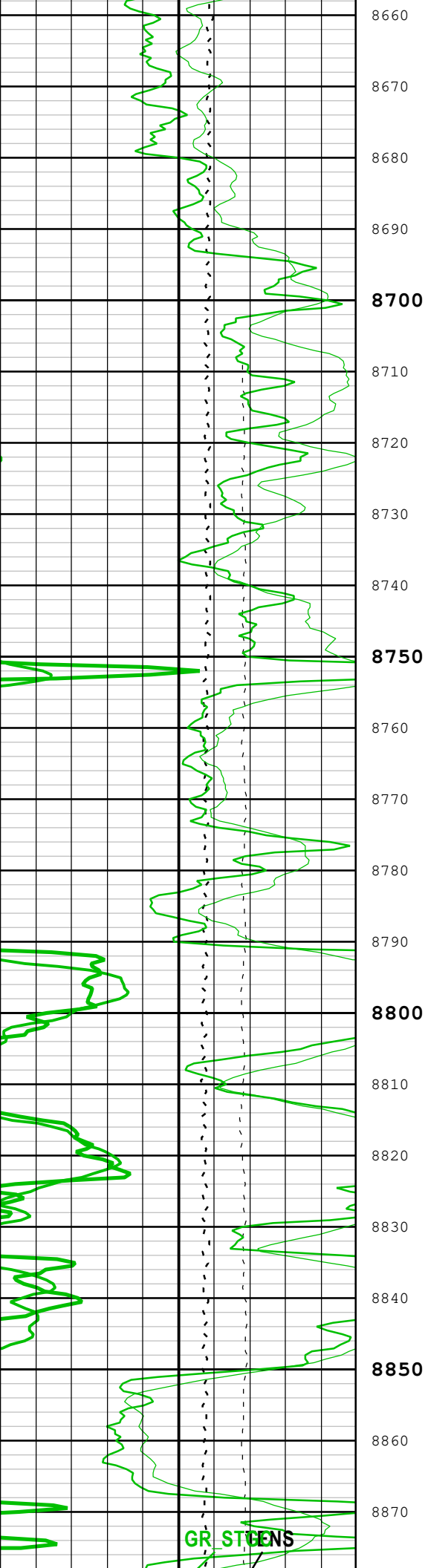


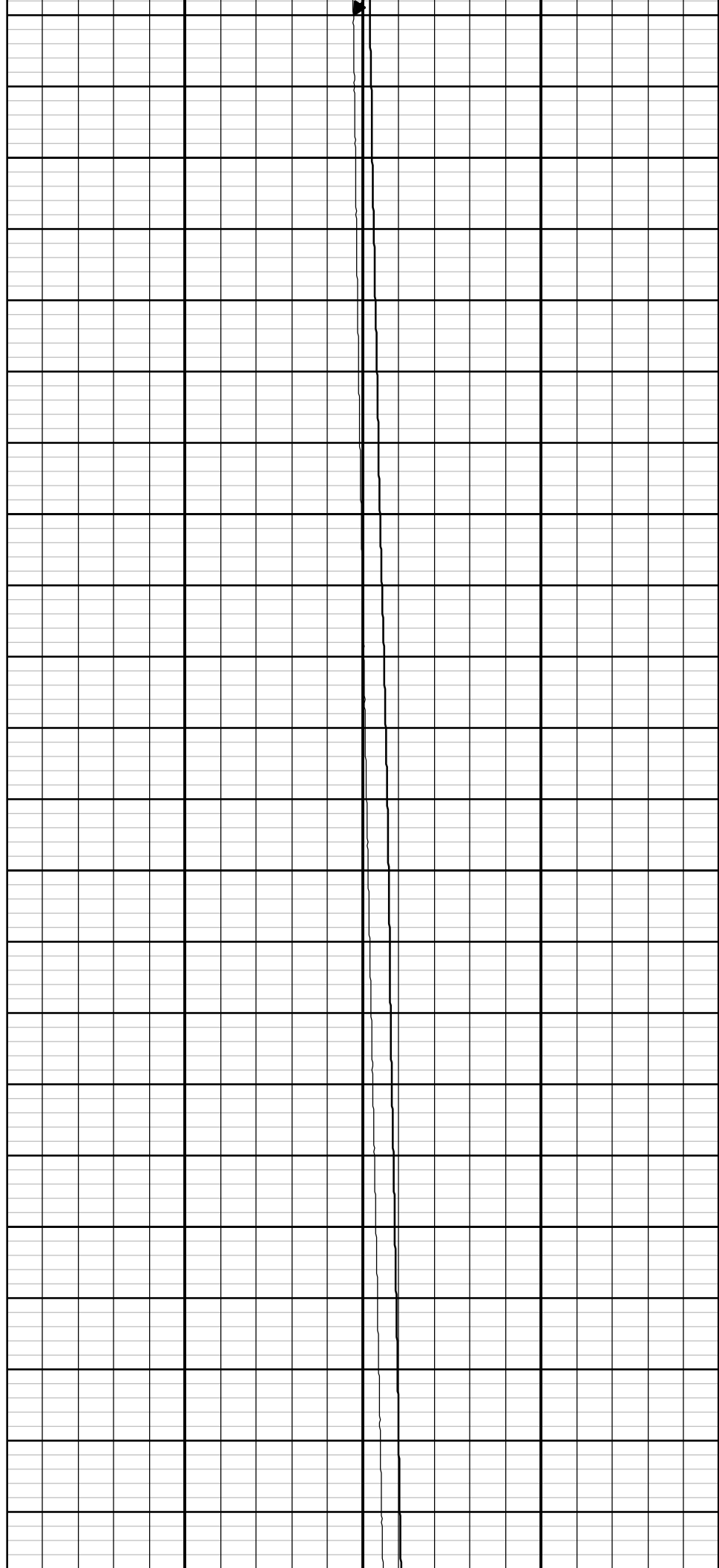
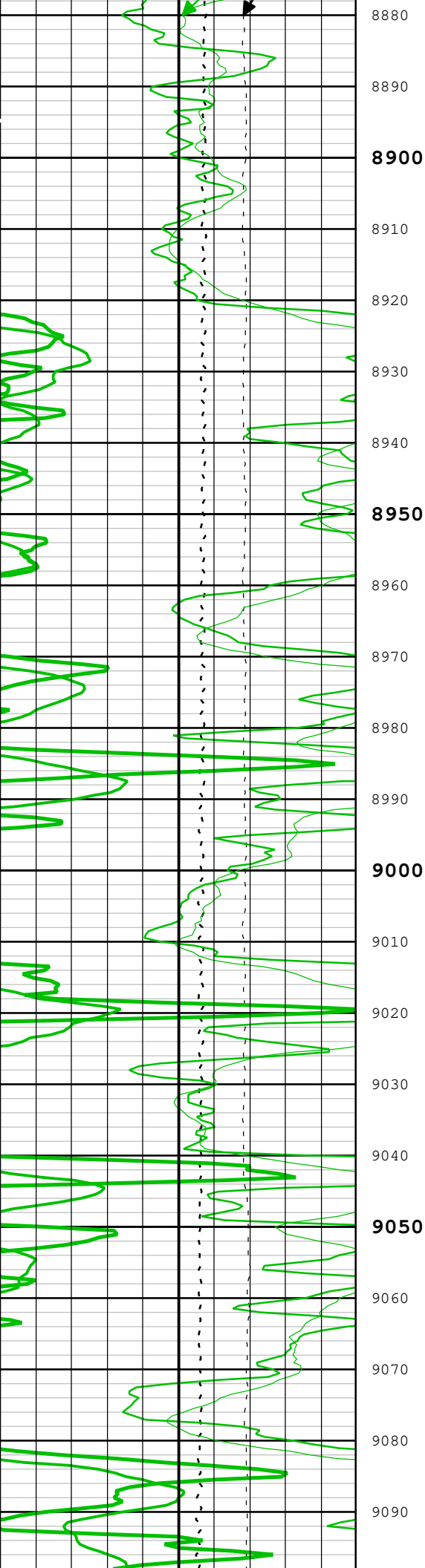


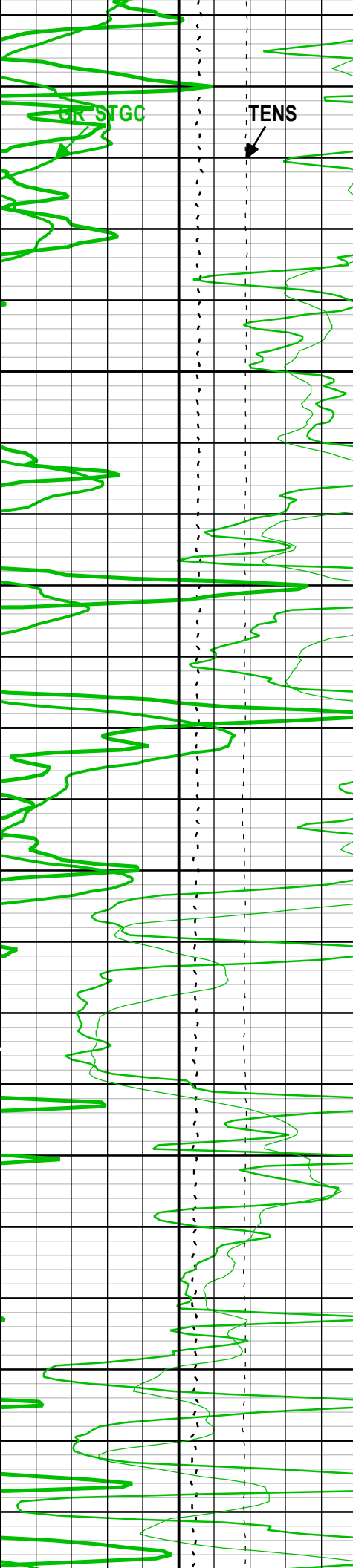
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8380
8390
8400
8410
8420
8430











9100

9110

9120

9130

9140

9150

9160

9170

9180

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9200

9210

9220

9230

9240

9250

9260

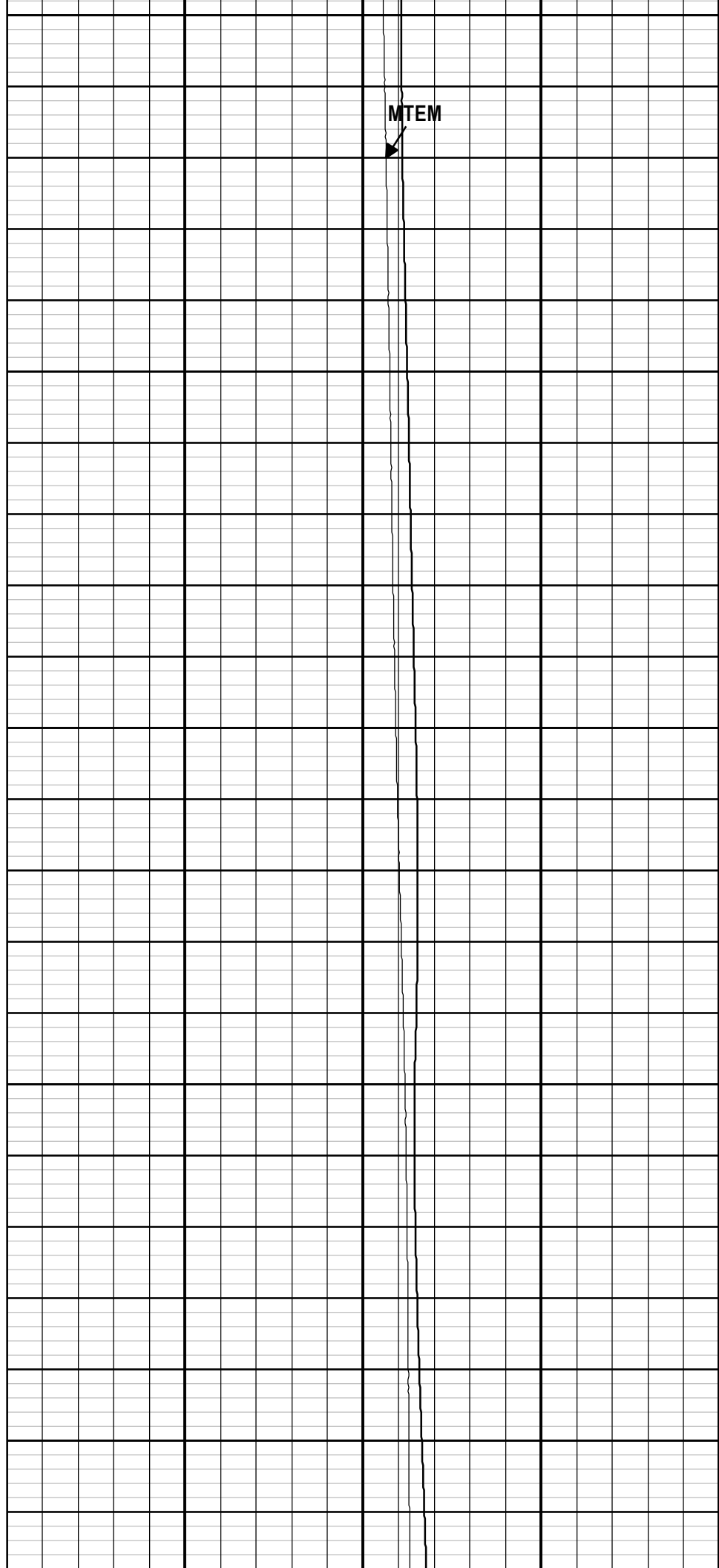
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9280

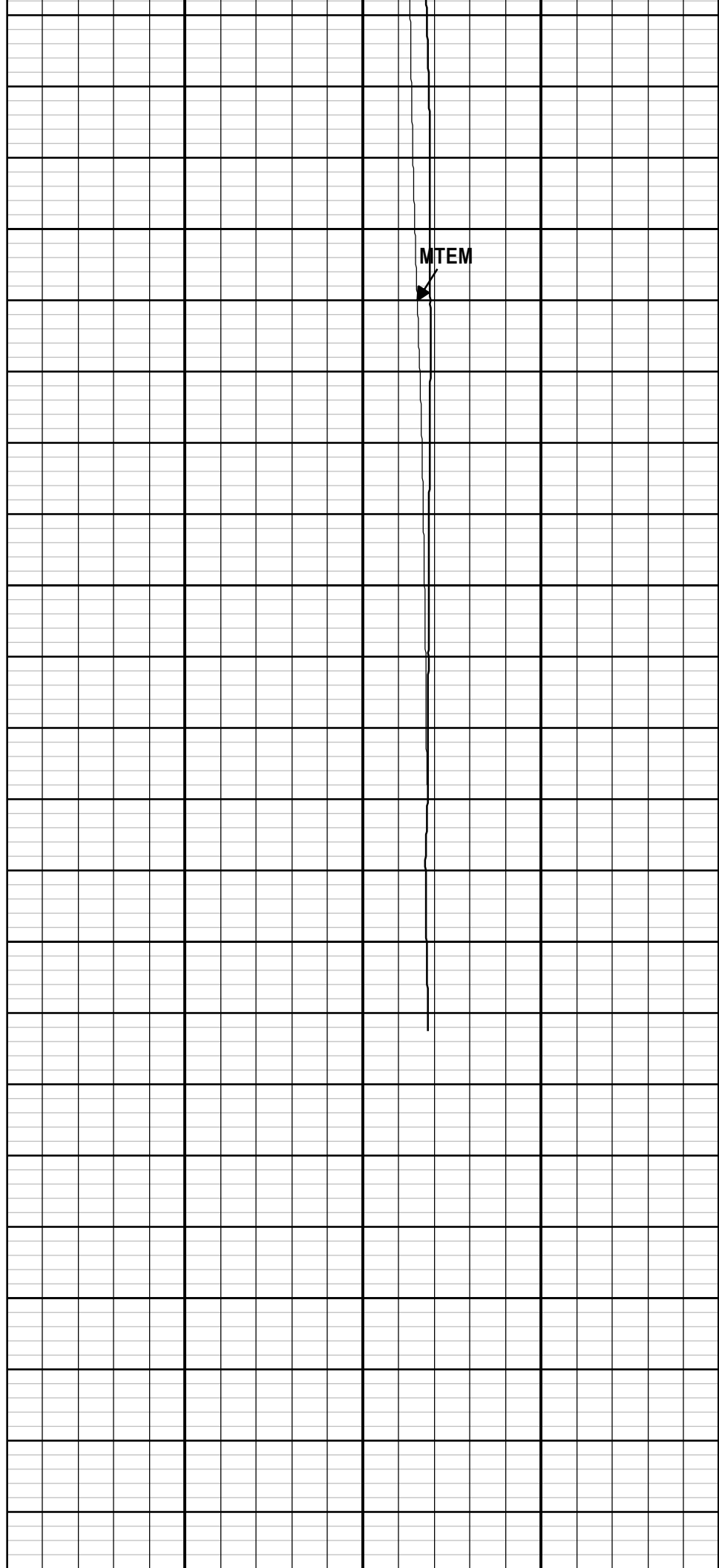
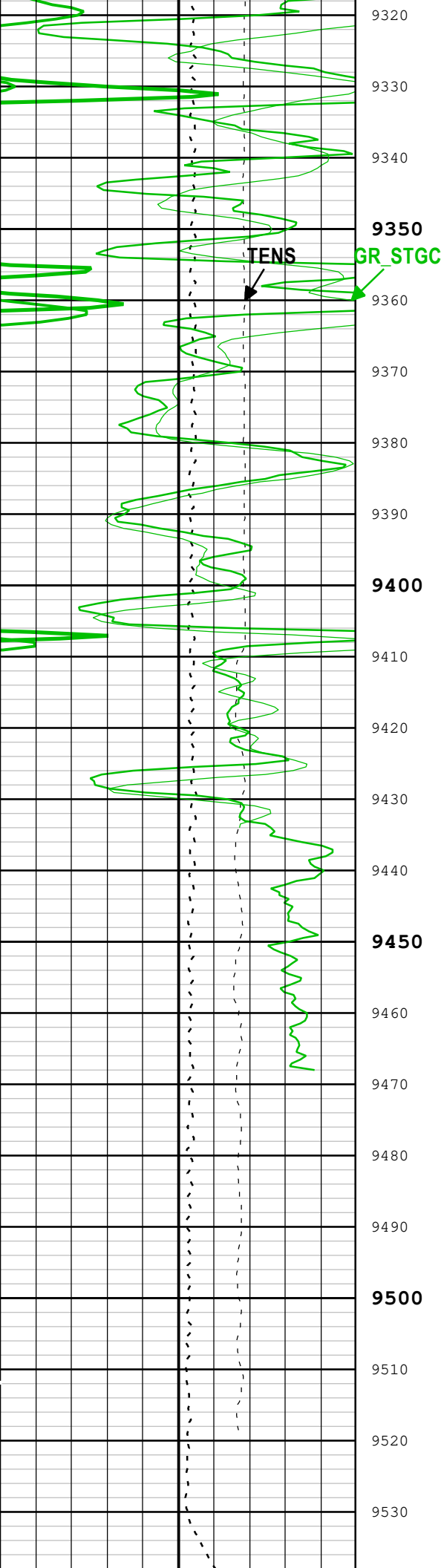
9290

9300

9310



MTEM



AIT Sonde Calibration - Sonde Error Correction

Master (EEPROM):		03:47:46 11-Mar-2021					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
Sonde Error Correction Real - 0	mS/m	Master	----	-1166.000	-535.925	-216.000	<div></div>
Sonde Error Correction Quad - 0		Master	----	-2700.000	729.997	2700.000	<div></div>
Sonde Error Correction Real - 1	mS/m	Master	----	187.000	280.733	377.000	<div></div>
Sonde Error Correction Quad - 1		Master	----	-625.000	139.282	625.000	<div></div>
Sonde Error Correction Real - 2	mS/m	Master	----	24.000	93.836	174.300	<div></div>
Sonde Error Correction Quad - 2		Master	----	-350.000	16.560	350.000	<div></div>
Sonde Error Correction Real - 3	mS/m	Master	----	5.000	55.223	95.000	<div></div>
Sonde Error Correction Quad - 3		Master	----	-250.000	102.589	250.000	<div></div>
Sonde Error Correction Real - 4	mS/m	Master	----	-2.000	19.493	40.000	<div></div>
Sonde Error Correction Quad - 4		Master	----	-63.000	11.885	63.000	<div></div>
Sonde Error Correction Real - 5	mS/m	Master	----	-9.000	3.589	15.000	<div></div>
Sonde Error Correction Quad - 5		Master	----	-50.000	13.356	50.000	<div></div>
Sonde Error Correction Real - 6	mS/m	Master	----	-2.000	3.067	10.000	<div></div>
Sonde Error Correction Quad - 6		Master	----	-30.000	-11.403	30.000	<div></div>
Sonde Error Correction Real - 7	mS/m	Master	----	-5.000	-0.098	5.000	<div></div>
Sonde Error Correction Quad - 7		Master	----	-30.000	-1.876	30.000	<div></div>

AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM):		03:47:46 11-Mar-2021					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>
Coarse Gain		Master	1.000	0.800	1.038	1.200	<div></div>
Fine Gain		Master	1.000	0.800	1.039	1.200	<div></div>

AIT Electronics Check - Thru Calibration Check

Master (EEPROM):		03:47:46 11-Mar-2021		Before (Measured):		01:05:49 30-Jul-2021		After:	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>		
Thru Cal Mag - 0	V	Master	----	0.330	0.555	0.770	<div></div>		
		Before	----	0.330	0.553	0.770	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-0.002	----	<div></div>		
		After-Before	----	----	----	----	<div></div>		
Thru Cal Phase - 0	deg	Master	----	137.000	-135.247	-103.000	<div></div>		
		Before	----	137.000	-143.163	-103.000	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-7.916	----	<div></div>		
		After-Before	----	----	----	----	<div></div>		
Thru Cal Mag - 1	V	Master	----	0.594	0.992	1.386	<div></div>		
		Before	----	0.594	0.988	1.386	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-0.004	----	<div></div>		
		After-Before	----	----	----	----	<div></div>		
Thru Cal Phase - 1	deg	Master	----	136.000	-136.315	-104.000	<div></div>		
		Before	----	136.000	-144.242	-104.000	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-7.927	----	<div></div>		
		After-Before	----	----	----	----	<div></div>		
Thru Cal Mag - 2	V	Master	----	0.312	0.521	0.728	<div></div>		
		Before	----	0.312	0.518	0.728	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-0.003	----	<div></div>		
		After-Before	----	----	----	----	<div></div>		
Thru Cal Phase - 2	deg	Master	----	132.000	-141.557	-108.000	<div></div>		
		Before	----	132.000	-149.513	-108.000	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-7.956	----	<div></div>		
		After-Before	----	----	----	----	<div></div>		
Thru Cal Mag - 3	V	Master	----	0.384	0.633	0.896	<div></div>		
		Before	----	0.384	0.629	0.896	<div></div>		
		After	----	----	----	----	<div></div>		
		Before-Master	----	----	-0.004	----	<div></div>		
							<div></div>		

		After-Before	----	----	----	----	
Thru Cal Phase - 3	deg	Master	----	131.000	-143.431	-109.000	<div><div></div><div></div><div></div></div>
		Before	----	131.000	-151.402	-109.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-7.971	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Mag - 4	V	Master	----	0.726	1.162	1.694	<div><div></div><div></div><div></div></div>
		Before	----	0.726	1.155	1.694	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-0.007	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Phase - 4	deg	Master	----	125.000	-152.689	-115.000	<div><div></div><div></div><div></div></div>
		Before	----	125.000	-160.734	-115.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-8.045	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Mag - 5	V	Master	----	1.068	1.683	2.492	<div><div></div><div></div><div></div></div>
		Before	----	1.068	1.673	2.492	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-0.010	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Phase - 5	deg	Master	----	122.000	-154.900	-118.000	<div><div></div><div></div><div></div></div>
		Before	----	122.000	-162.982	-118.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-8.082	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Mag - 6	V	Master	----	1.170	1.816	2.730	<div><div></div><div></div><div></div></div>
		Before	----	1.170	1.807	2.730	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-0.009	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Phase - 6	deg	Master	----	121.000	-156.659	-119.000	<div><div></div><div></div><div></div></div>
		Before	----	121.000	-164.785	-119.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-8.126	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Mag - 7	V	Master	----	0.852	1.330	1.988	<div><div></div><div></div><div></div></div>
		Before	----	0.852	1.318	1.988	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-0.012	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Thru Cal Phase - 7	deg	Master	----	115.000	-156.577	-125.000	<div><div></div><div></div><div></div></div>
		Before	----	115.000	-165.043	-125.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	-8.466	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
SPA Zero	mV	Master	----	-50.000	-0.138	50.000	<div><div></div><div></div><div></div></div>
		Before	----	-50.000	-0.094	50.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	0.044	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
SPA Plus	mV	Master	----	941.000	990.201	1040.000	<div><div></div><div></div><div></div></div>
		Before	----	941.000	990.888	1040.000	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	0.687	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Temperature Zero	V	Master	----	-0.050	0.000	0.050	<div><div></div><div></div><div></div></div>
		Before	----	-0.050	0.000	0.050	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>
		Before-Master	----	----	0.000	----	<div><div></div><div></div><div></div></div>
		After-Before	----	----	----	----	<div><div></div><div></div><div></div></div>
Temperature Plus	V	Master	----	0.870	0.917	0.960	<div><div></div><div></div><div></div></div>
		Before	----	0.870	0.918	0.960	<div><div></div><div></div><div></div></div>
		After	----	----	----	----	<div><div></div><div></div><div></div></div>

		Before-Master	----	----	0.001	----	
		After-Before	----	----	----	----	

QSLT-B (SlimXtreme Sonic Logging Tool - B) Calibration - Run 1B

Primary Equipment :			
SlimXtreme Sonic Array Sonde Segment - BB	QSAS-BB	8022	

CBL Amplitude Normalization - CBL Accumulations

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Sonic Amplitude Upper Transmitter - Receiver 5 (SA_U5) - 0		Master	----	----	----	----	
Sonic Raw Amplitude Upper Transmitter - Receiver 1 (RA_U1) - 0	mV	Master	----	----	----	----	
Sonic Amplitude Lower Transmitter - Receiver 1 (SA_L1) - 0		Master	----	----	----	----	
Sonic Raw Amplitude Lower Transmitter - Receiver 5 (RA_L5) - 0	mV	Master	----	----	----	----	

CBL Amplitude Normalization - CBL/VDL Coefficients

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Correction Factor for Upper Transmitter (CBCF_UT)		Master	0.500	----	NOT DONE	----	
CBL Correction Factor for Lower Transmitter (CBCF_LT)		Master	0.500	----	NOT DONE	----	
VDL Ratio between UT and LT for CBLB Mode (VDR)		Master	1.000	----	NOT DONE	----	

CBL Amplitude Free Pipe Adjustment - Free Pipe Measurements

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Amplitude (CBLF) - 0	mV	Before	----	----	----	----	
CBL Reference Amplitude (CBRA) - 0	mV	Before	----	----	----	----	
Measurement Depth (DEPTH) - 0	ft	Before	----	----	----	----	

CBL Amplitude Free Pipe Adjustment - CBL Amplitude Coefficients

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Adjustment Factor (CBL_ADJUST_FACTOR)		Before	1.000	0.300	NOT DONE	3.000	
Depth of Before Calibration (BDEP)	ft	Before	----	----	NOT DONE	----	

QCNT (SlimExtreme Compensated Neutron Tool) Calibration - Run 1B

Primary Equipment :			
Compensated Neutron Cartridge SlimXtreme	QCNC-A	2	
Auxiliary Equipment :			
Doubly encapsulated AmBe radioactive source material	NSR-L	4545	
Calibration Parameter :			
Water Temperature			

CNT Neutron Calibration - CNT Neutron Accumulations

Master (Measured):	20:46:51 17-Jul-2021	Before (Measured):	09:41:51 18-Jul-2021	After:			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement	1/s	Master	----	0	0.668	5.000	
		Before	----	0	0.267	5.000	
		After	----	----	----	----	
		Before-Master	----	----	-0.401	----	
		After-Before	----	----	----	----	
Far Zero Measurement	1/s	Master	----	0	1.636	5.000	
		Before	----	0	0.999	5.000	
		After	----	----	----	----	

		Before-Master After-Before	----	----	-0.637	----	
Near Plus Measurement	1/s	Master Before After Before-Master After-Before	7328.000 ---- ---- ---- ----	5600.000 ---- ---- ---- ----	5955.926 ---- ---- ---- ----	8700.000 ---- ---- ---- ----	
Far Plus Measurement	1/s	Master Before After Before-Master After-Before	1600.000 ---- ---- ---- ----	1300.000 ---- ---- ---- ----	1496.078 ---- ---- ---- ----	1900.000 ---- ---- ---- ----	

CNT Neutron Calibration - CNT Neutron Coefficients

Master (Measured): 20:46:51 17-Jul-2021		Before (Measured): 09:41:51 18-Jul-2021		After:			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Corrected Plus Measurement	1/s	Master Before After Before-Master After-Before	7328.000 ---- ---- ---- ----	5600.000 ---- ---- ---- ----	5980.594 ---- ---- ---- ----	8700.000 ---- ---- ---- ----	
Far Corrected Plus Measurement	1/s	Master Before After Before-Master After-Before	1600.000 ---- ---- ---- ----	1300.000 ---- ---- ---- ----	1515.994 ---- ---- ---- ----	1900.000 ---- ---- ---- ----	
Near Corrected Gain		Master Before After Before-Master After-Before	1.000 ---- ---- ---- ----	0.797 ---- ---- ---- ----	1.225 ---- ---- ---- ----	1.304 ---- ---- ---- ----	
Far Corrected Gain		Master Before After Before-Master After-Before	1.000 ---- ---- ---- ----	0.842 ---- ---- ---- ----	1.055 ---- ---- ---- ----	1.231 ---- ---- ---- ----	
Computed Thermal Neutron Ratio Average		Master Before After Before-Master After-Before	4.240 ---- ---- ---- ----	3.740 ---- ---- ---- ----	3.945 ---- ---- ---- ----	4.740 ---- ---- ---- ----	

CNT Neutron Calibration - CNT Neutron Ratio R6 Measurement

Master (Measured): 20:46:51 17-Jul-2021		Before (Measured): 09:41:51 18-Jul-2021		After:			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near R6 Measurement	1/s	Master Before After Before-Master After-Before	5000.000 5000.000 ---- ---- ----	4750.000 4750.000 ---- ---- ----	4999.806 4999.871 ---- 0.065 ----	5250.000 5250.000 ---- ---- ----	
Far R6 Measurement	1/s	Master Before After Before-Master After-Before	833.330 833.330 ---- ---- ----	791.660 791.660 ---- ---- ----	833.301 833.323 ---- 0.022 ----	875.000 875.000 ---- ---- ----	
Ratio R6 Computed Ratio		Master Before After Before-Master After-Before	6.000 6.000 6.000 ---- ----	5.430 5.430 5.430 ---- ----	6.000 6.000 NOT DONE 0.000 ----	6.630 6.630 6.630 ---- ----	

QTGC-B (SlimXtreme Telemetry Gamma-ray Cartridge - B (3.0 in. OD)) Calibration - Run 1B

Primary Equipment :

Auxiliary Equipment :

Accelerometer

STGC-ACCZ

7

Calibration Parameter :

JIG-BKG (Jig minus background reference)

165

STGC Accelerometer Calibration - STGC Read EEPROM Coefficient

Master (EEPROM): 14:58:40 19-Jul-2021

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Accelerometer Coefficients - 0		Master	0	----	3.79700E+000	----		
Accelerometer Coefficients - 1		Master	0	----	-3.90300E-003	----		
Accelerometer Coefficients - 2		Master	0	----	2.97600E-005	----		
Accelerometer Coefficients - 3		Master	0	----	-4.56300E-008	----		
Accelerometer Coefficients - 4		Master	0	----	2.74030E+000	----		
Accelerometer Coefficients - 5		Master	0	----	2.64830E-004	----		
Accelerometer Coefficients - 6		Master	0	----	4.39200E-007	----		
Accelerometer Coefficients - 7		Master	0	----	2.85580E-010	----		
Accelerometer Coefficients - 8		Master	0	----	-2.73150E+002	----		
Accelerometer Coefficients - 9		Master	0	----	1.00000E+000	----		

STGC Gamma-Ray Calibration - Gamma-Ray Coefficients

Before (Measured): 09:32:58 18-Jul-2021 Expired by 10 days After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
Gamma-Ray Gain		Before	1.000	0.900	1.029	1.100		
		After	----	----	----	----		
		After-Before	----	----	----	----		

STGC Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured): 09:32:58 18-Jul-2021 Expired by 10 days After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
RGR Background Measurement	gAPI	Before	----	0	77.109	120.000		
		After	----	----	----	----		
		After-Before	----	----	----	----		
RGR Plus Measurement	gAPI	Before	191.400	172.260	185.968	210.540		
		After	----	----	NOT DONE	----		
		After-Before	----	----	----	----		

STGC Gamma-Ray Plateau Check - Gamma-Ray Plateau Check

Before: After:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
RGR Zero Plateau Check - 0	gAPI	Before	----	----	----	----		
		After	----	----	----	----		
		After-Before	----	----	----	----		
RGR Plus Plateau Check - 0	gAPI	Before	----	----	----	----		
		After	----	----	----	----		
		After-Before	----	----	----	----		
RGR Minus Plateau Check - 0	gAPI	Before	----	----	----	----		
		After	----	----	----	----		
		After-Before	----	----	----	----		

LEH-MT (Logging Equipment Head - MT, 3-3/8 inch 31 pin HPHT with Tension and Temperature Sensor (Need STGC/HTGC to process temperature signal)) Calibration - Run 1B**Primary Equipment :**

Logging Equipment Head - MT, 3-3/8 inch 31 pin HPHT with Tension and Temperature Sensor (Need STGC/HTGC to process temperature signal) LEH-MT

HTEN Master Calibration - HTEN Master Calibration

Master:

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
HTEN Shop Gain		Master	1.000	0.800	NOT DONE	4.500		
HTEN Shop Offset	lbf	Master	0	-1000.000	NOT DONE	1000.000		

HTEN Before Calibration - HTEN Before Calibration

Before:								
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit		
RHTE Zero Measurement - 0	lbf	Before	----	----	----	----		
RHTE Plus Measurement - 0	lbf	Before	----	----	----	----		
HTEN Gain - 0		Before	----	----	----	----		
HTEN Offset - 0	lbf	Before	----	----	----	----		

Company:	University Of Utah	Schlumberger
Well:	FORGE 78B-32	
Field:	None	
County:	Beaver	
Country:		

Temperature Log

Gamma Ray