

COMPANY: DEER LAKE OIL & GAS INC.

WELL: DEER LAKE OIL & GAS ET AL

FIELD: WESTERN ADVENTURE N

EXPLOATORY

PROVINCE: NEWFOUNDLAND

PROVINCE: NEWFOUNDLAND		<div>Schlumberger</div>		COMPENSAT LITHO DENS	
Field: EXPLORATORY		Permanent Datum: _____		GROUND LEVEL _____ Elev _____	
Location: _____		Log Measured From: _____		DRILL FLOOR _____ Elev 2.5	
Well: DEER LAKE OIL & GAS ET AL		Drilling Measured From: _____		DRILL FLOOR _____	
Company: DEER LAKE OIL & GAS INC.		API Serial No. _____		NOB _____	
Logging Date 3-AUG-2000		2000-120-01-01		5,4	
Run Number	1				
Depth Driller	872 m				
Schlumberger Depth	873.5 m				
Bottom Log Interval	871 m				
Top Log Interval	218 m				
Casing Driller Size @ Depth	114.300 mm @ 218 m				
Casing Schlumberger	218 m				
Bit Size	96.000 mm				
Type Fluid In Hole	POT. SULFATE				
Density	1044 kg/m3	35 s			
Fluid Loss	PH				
Source Of Sample	MEASURED				
RM @ Measured Temperature	0.539 ohm.m @ 15 degC				
RMF @ Measured Temperature	@				
RMC @ Measured Temperature	@				
Source RMF	RMC				
RM @ MRT	NO SAMPLE @ 22	NO SAMPLE @ 22			
Maximum Recorded Temperatures	22 degC				
Circulation Stopped	Time 22:00				
Logger On Bottom	Time 12:40				
Unit Number	Location 19 DARTMOUTH				
Recorded By	KELLI SASCO				
Witnessed By	ROB TAYLOR				



ILE S DOWNHOLE LOGS USED ON REPEAT RUN FOR LOGGING INFORMATION
CEMENT VOLUME BASED ON 66.7MM PRODUCTION CASING
** SP SHIFTED ON REPEAT PASS **
SCALES AND INTERVALS AS PER CLIENT REQUEST
RIG: LONGYEAR SUPER 50
CREW 19: OTTO MARSHALL, MIKE DIGGDON

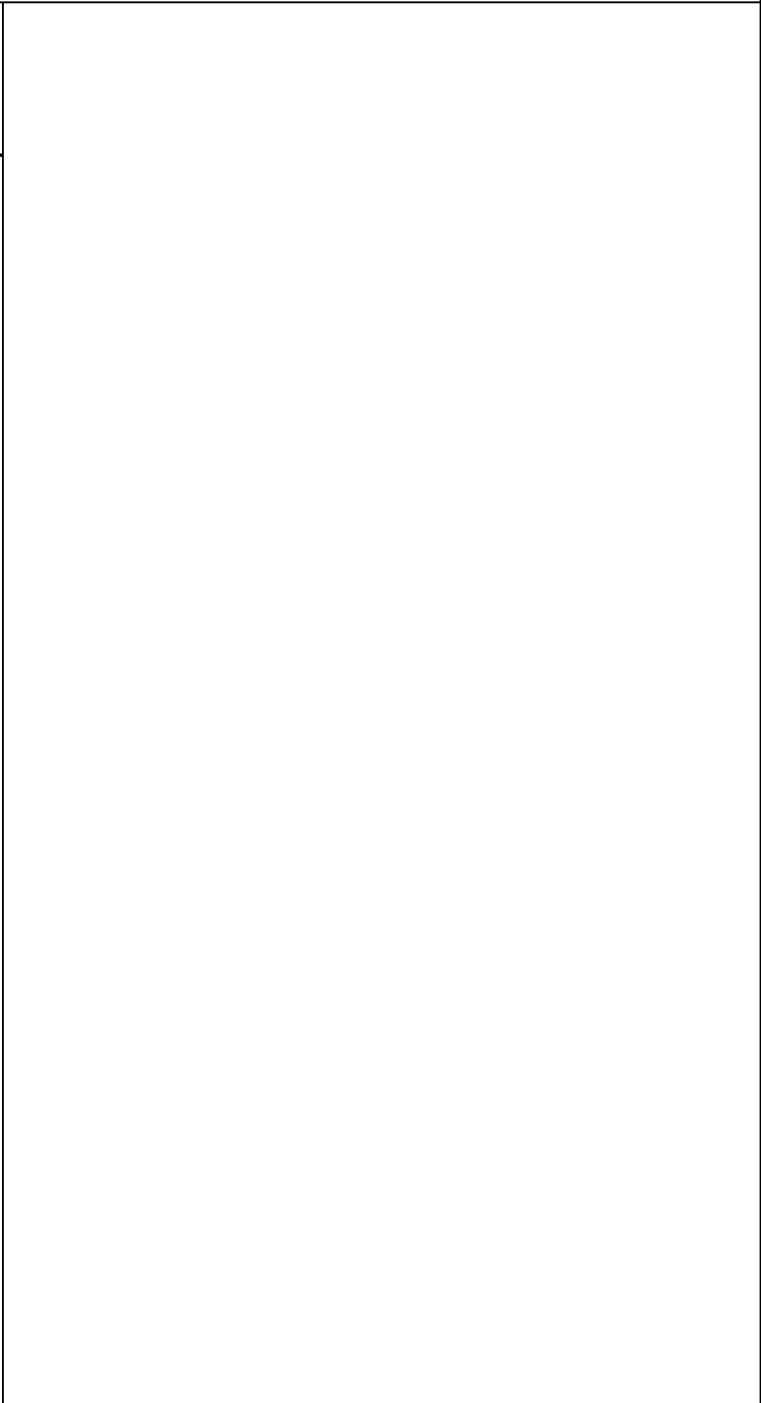
RUN 1		
SERVICE ORDER #:	6418543	
PROGRAM VERSION:	9C0-413	
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

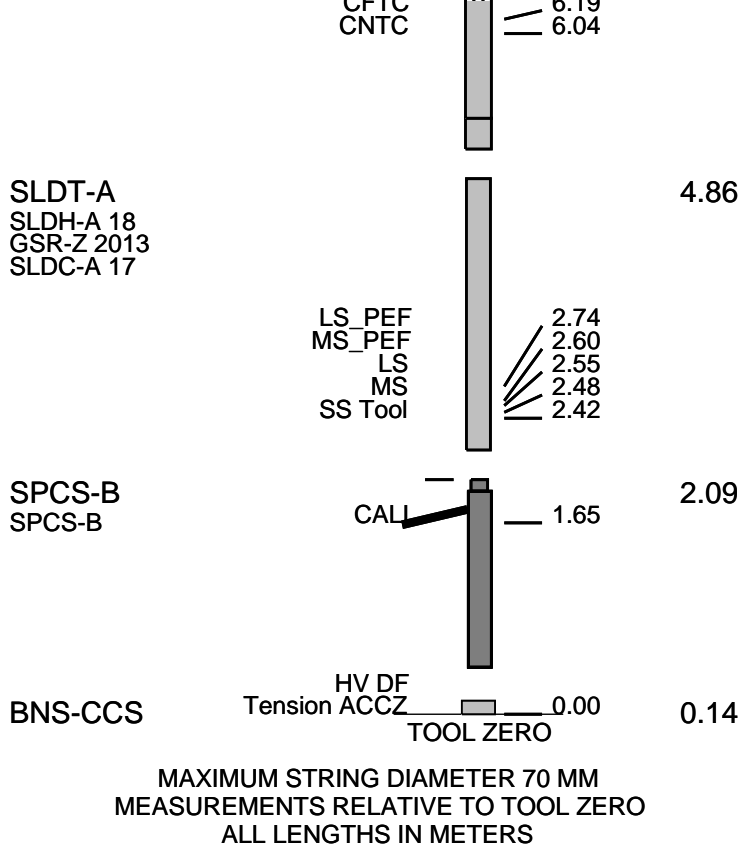
RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

SURFACE EQUIPMENT	
NCT-B	
NCS-VB	
WITM (DTS)-A	

DOWNHOLE EQUIPMENT	
LEH-ST LEH-ST	16.06
STGC-B STGH-B 8007 STGC0-A STGC1-B	15.15
Gamma Ray	14.63
CTEM	14.16
TelStatus	12.80
AH-201 AH-201	12.80
ILE-S ILE-S	12.25
CNT-S NLS-KL NSR-L 3108 AH-218 CNH-CA CNC-DA 58 AH-219 NPV-N	10.47
CETC	6.10





## Input DLIS Files

DEFAULT      SPCS .022      FN:18 PRODUCER      03-Aug-2000 12:24      874.9 M      209.2 M

## Output DLIS Files

DEFAULT      SPCS .023      FN:19 PRODUCER      03-Aug-2000 13:35      874.9 M      209.2 M

## Integrated Hole/Cement Volume Summary

Hole Volume = 5.05 M3

Cement Volume = 0.97 M3 (assuming 89.00 MM casing O.D.)

Computed from 873.4 M to 218.1 M using data channel(s) CALI\_SPCS

## OP System Version: 9C0-413

MCM

SPCS-B  
CNT-S

OP9-KP2  
OP9-KP2

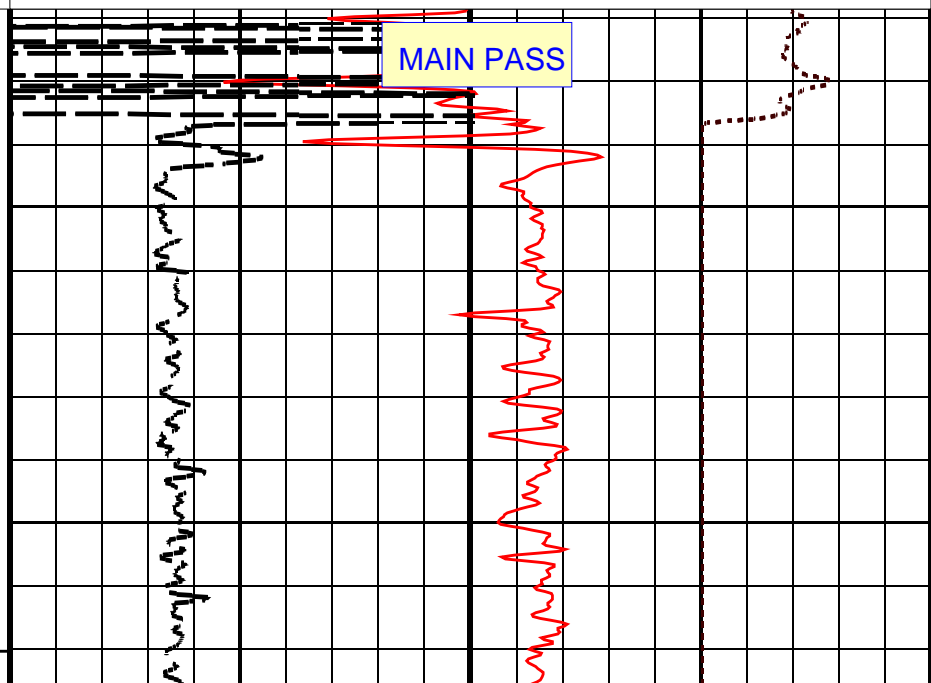
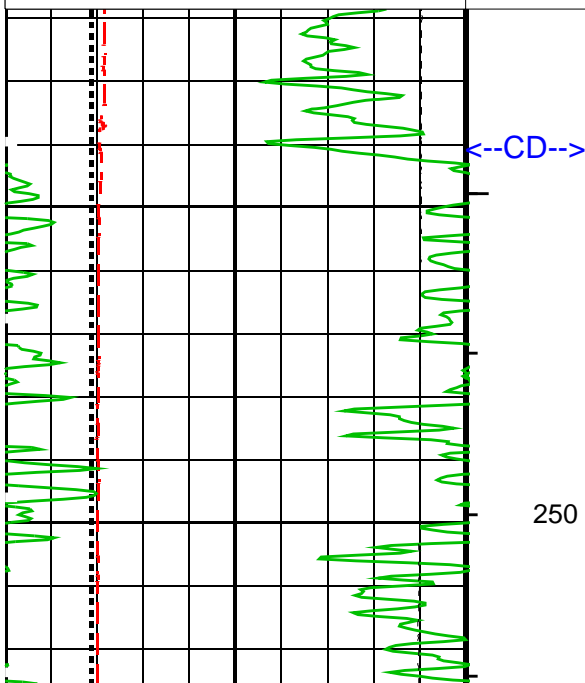
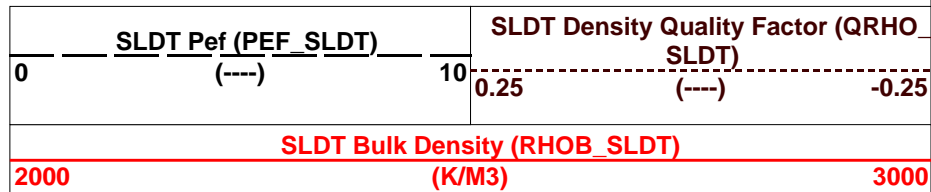
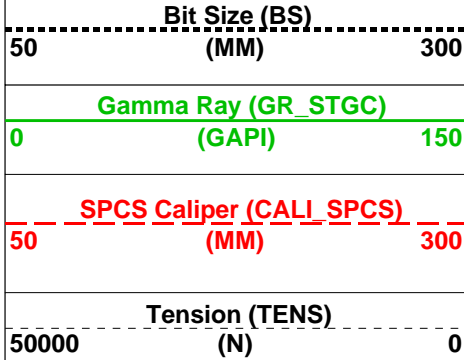
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STGC-B

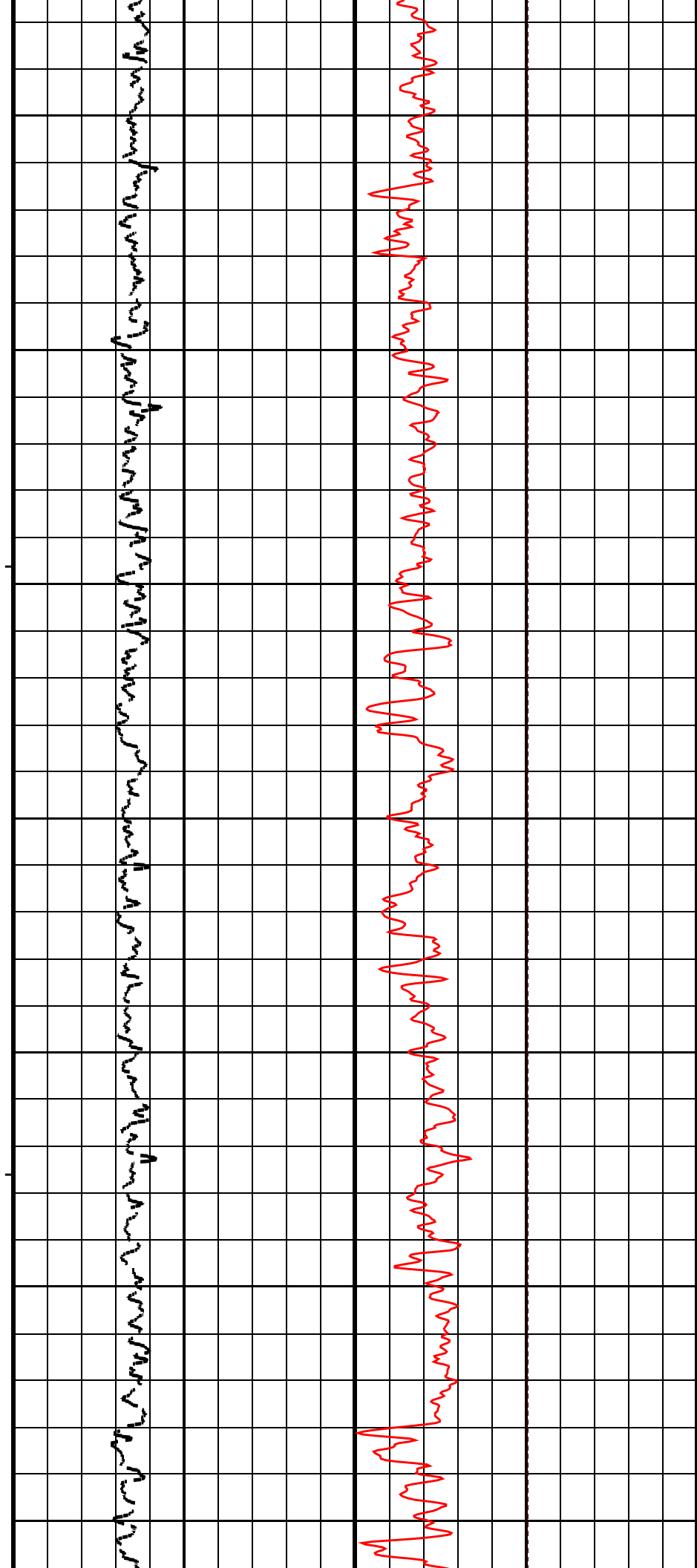
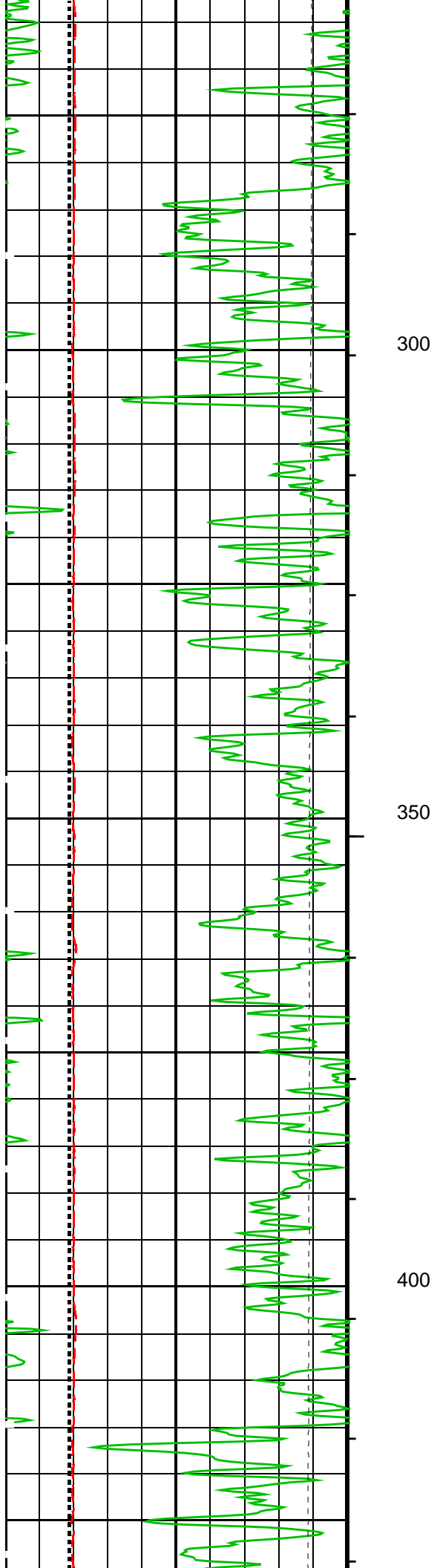
OP9-KP2  
OP9-KP2

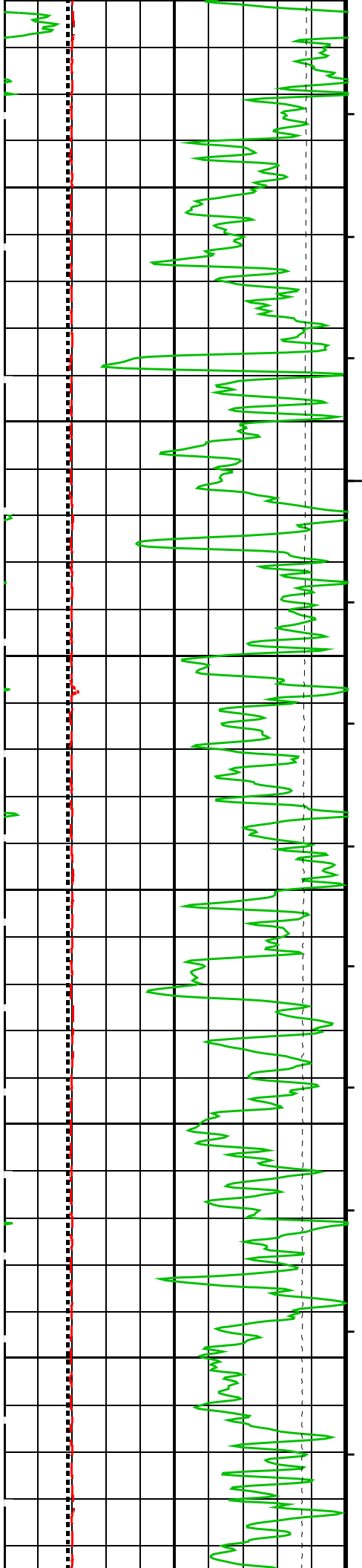
### PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 0.1 M3
- └ Integrated Hole Volume Major Pip Every 1 M3
  - └ Integrated Cement Volume Minor Pip Every 0.1 M3
  - └ Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S



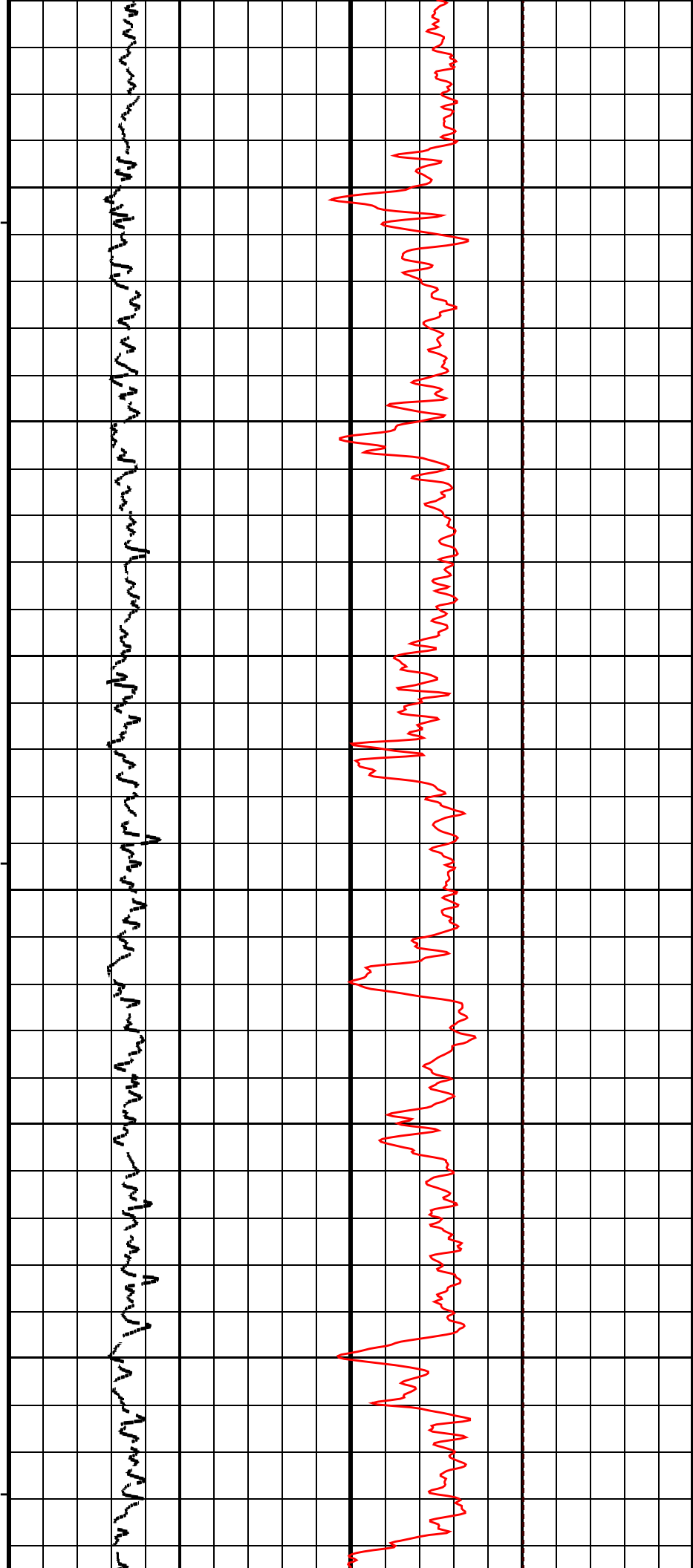


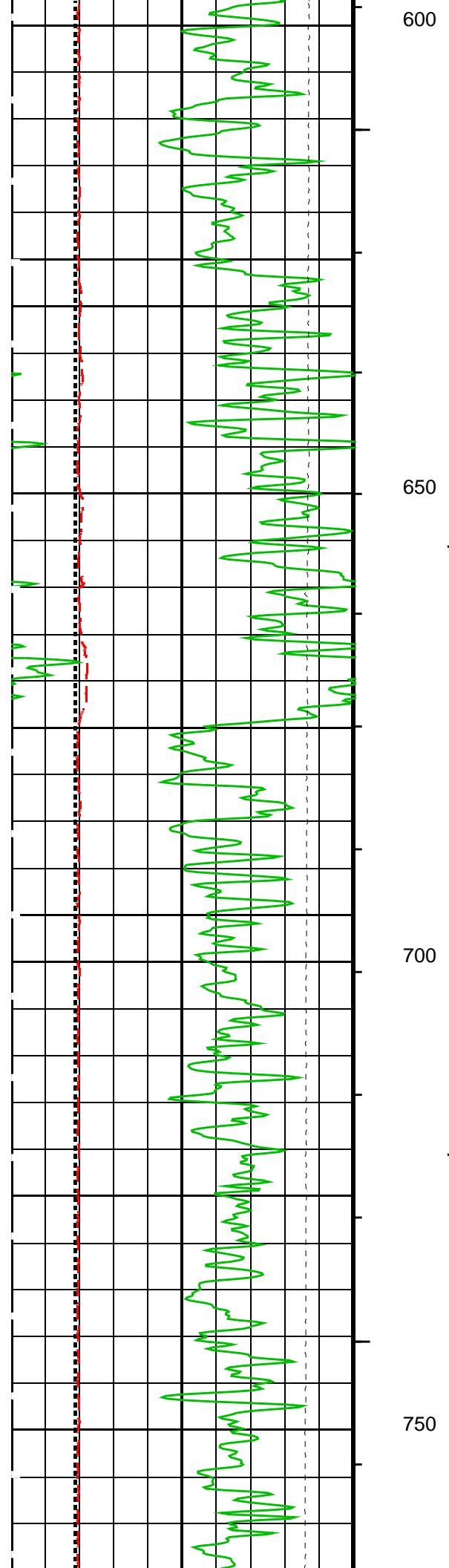
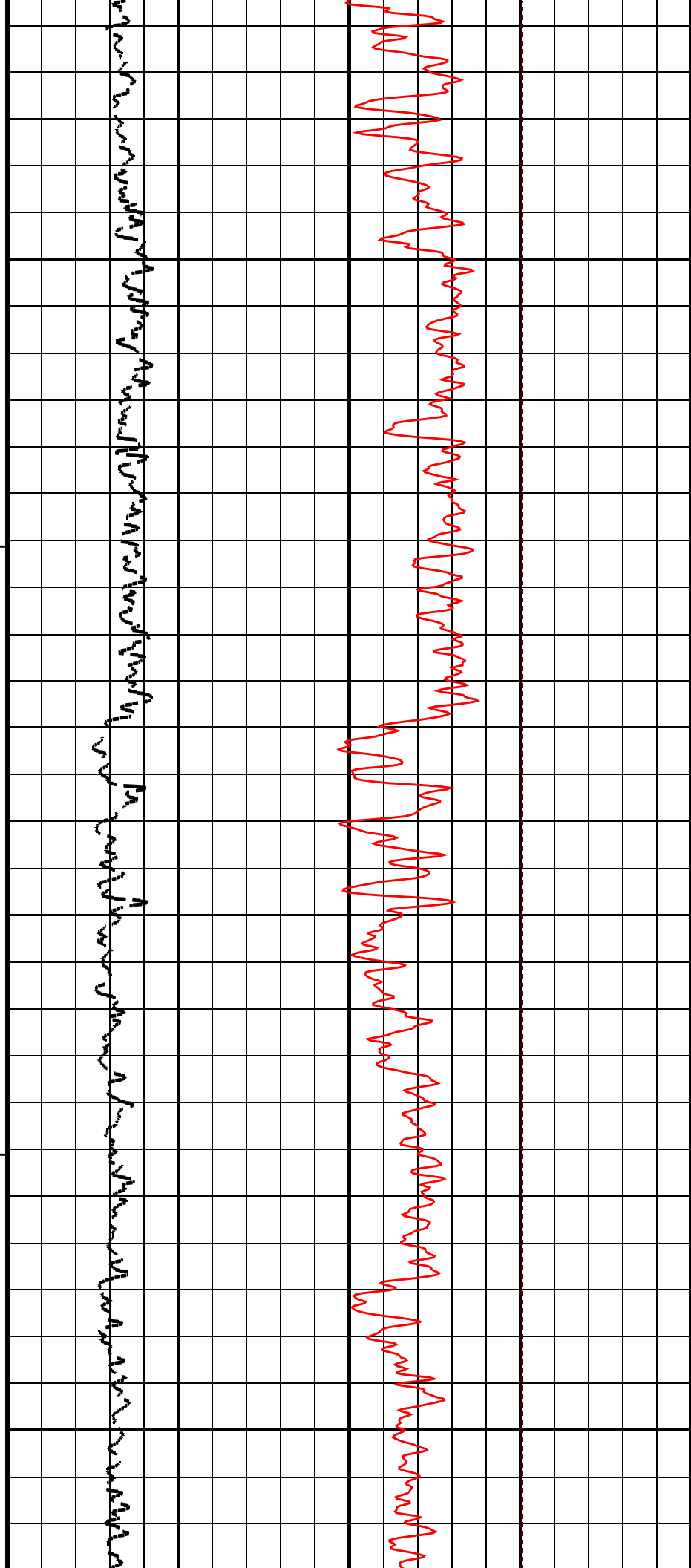


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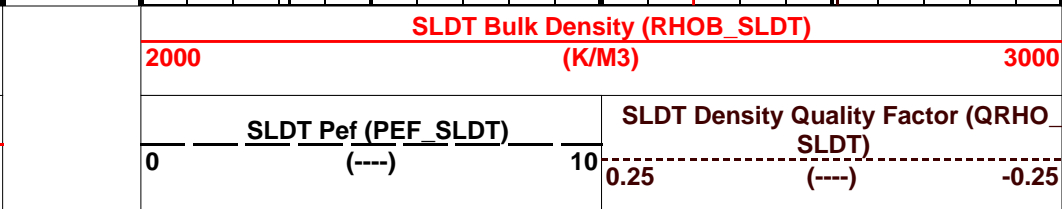
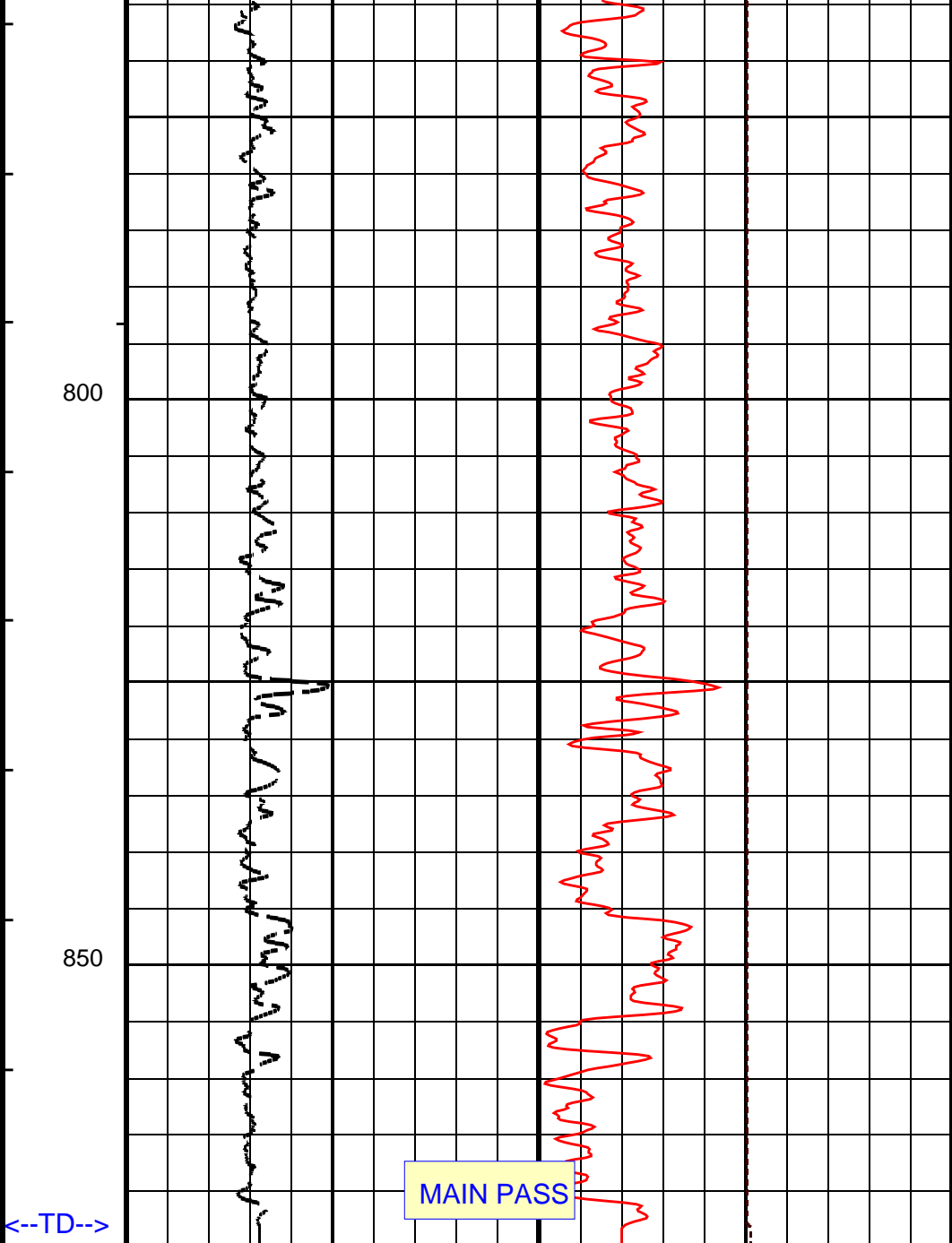
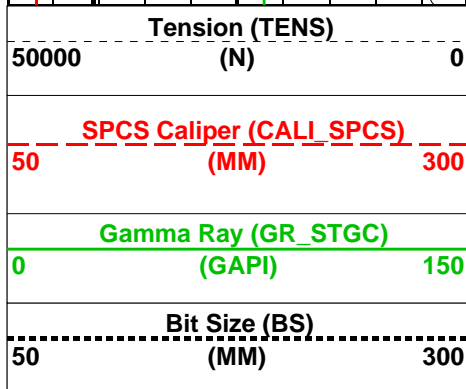
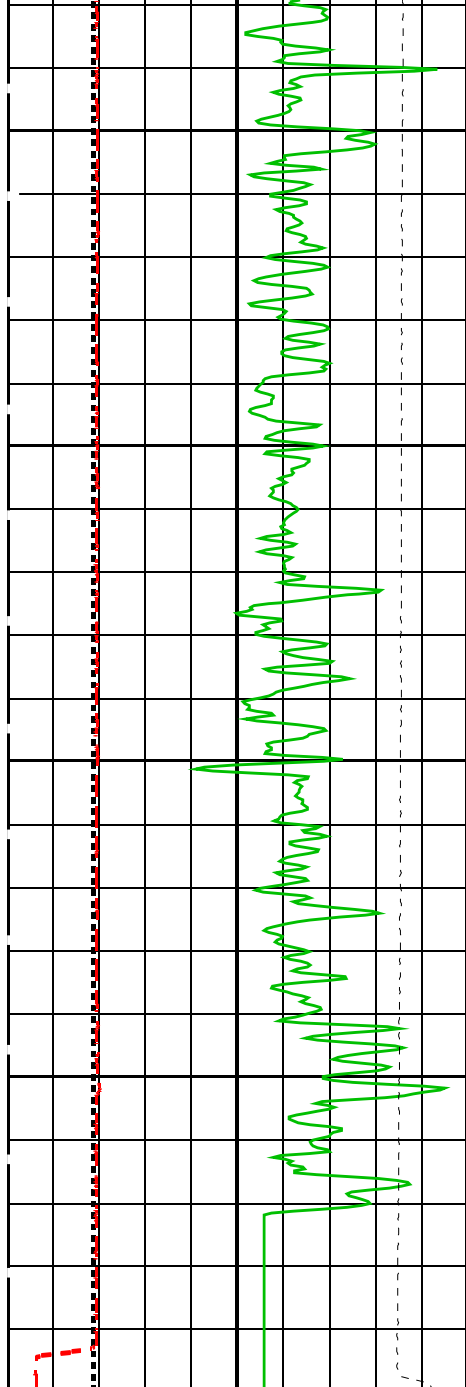
500

550









#### PIP SUMMARY

- ┌ Integrated Hole Volume Minor Pip Every 0.1 M3
- ┌ Integrated Hole Volume Major Pip Every 1 M3
  - ┌ Integrated Cement Volume Minor Pip Every 0.1 M3
  - ┌ Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S

#### Parameters

DLIS Name

Description

Value

FD	Fluid Density	1000	K/M3
FVNA_SLDT	SLDT Firmware Version Number - Major	3	
FVNI_SLDT	SLDT Firmware Version Number - Minor	2	
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MATR	Rock Matrix Type	SANDSTONE	
MDEN	Matrix Density	2650	K/M3
MVNA_SLDT	SLDT MAXIS Version Number - Major	10	
MVNI_SLDT	SLDT MAXIS Version Number - Minor	2	
PP	Playback Processing	NORMAL	
PVNA_SLDT	SLDT Log Processing Version Number - Major	4	
PVNI_SLDT	SLDT Log Processing Version Number - Minor	30	
SDHC	SLDT Density Hole Correction	CALI_SPCS	
SHT	Surface Hole Temperature	15	DEGC
STSO	SLDT Temperature Correction Source	TMPY_SLDT	
TD	Total Depth	873.5	M

Format: PORO\_S5\_REP    Vertical Scale: 1:240    Graphics File Created: 03-Aug-2000 13:35

OP System Version: 9C0-413					
MCM					
SPCS-B	OP9-KP2	SLDT-A	OP9-KP2		
CNT-S	OP9-KP2	STGC-B	OP9-KP2		
Input DLIS Files					
DEFAULT	SPCS .022	FN:18 PRODUCER	03-Aug-2000 12:24	874.9 M	209.2 M
DEFAULT	SPCS .021	FN:17 PRODUCER	03-Aug-2000 12:11	874.9 M	796.0 M
Output DLIS Files					
DEFAULT	SPCS .023	FN:19 PRODUCER	03-Aug-2000 13:35		

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
Slimhole Powered Caliper Sonde - B Wellsite Calibration - SPCS Caliper Calibration							
Before: 1-AUG-2000 14:03							
SPCS Caliper Small Ring	101.6	N/A	106.0	N/A	N/A	N/A	MM
SPCS Caliper Medium Ring	177.8	N/A	175.6	N/A	N/A	N/A	MM
SPCS Caliper Large Ring	203.2	N/A	200.7	N/A	N/A	N/A	MM
Compensated Neutron - S Wellsite Calibration - Zero Measurement							
Master: Calibration out of date 9-APR-2000 16:56 Before: 1-AUG-2000 14:08							
CNTC Background	1.000	0	1.042	N/A	N/A	N/A	CPS
CFTC Background	0	1.111	1.667	N/A	N/A	N/A	CPS
Compensated Neutron - S Wellsite Calibration - Ratio Measurement (R6)							
Master: Calibration out of date 9-APR-2000 17:04 Before: 1-AUG-2000 14:04							
CNTC (R6)	5000	5000	5000	N/A	N/A	N/A	CPS
CFTC (R6)	833.3	833.2	833.2	N/A	N/A	N/A	CPS
Ratio (R6)	6.000	6.001	6.001	N/A	N/A	N/A	
Compensated Neutron - S Master Calibration - Tank Measurement							
Master: Calibration out of date 9-APR-2000 17:03							
Thermal Near Corr. (Tank)	7328	7361	--	--	--	--	CPS
Thermal Far Corr. (Tank)	1600	1734	--	--	--	--	CPS
TNRA	4.240	4.246	--	--	--	--	
SLIM Telemetry Gamma-ray Cartridge - B Wellsite Calibration - Detector Calibration							
Before: 1-AUG-2000 14:44							
Gamma Ray (Jig - Bkg)	149.1	N/A	149.1	N/A	N/A	13.55	GAPI
Gamma Ray (Calibrated)	155.1	N/A	155.1	N/A	N/A	15.00	GAPI

The CNT Master Calibration Was Done With The Following Parameters :

NCT-B Water Temperature    19.6    DEGC.

BHT	Bottom Hole Temperature (used in calculations)	22	DEGC
BS	Bit Size	96.000	MM
DFD	Drilling Fluid Density	1044.00	K/M3
DO	Depth Offset	0.0	M
DORL	Depth Offset Repeat Analysis	0.0	M
FVNA_SLDT	SLDT Firmware Version Number - Major	3	
FVNI_SLDT	SLDT Firmware Version Number - Minor	2	
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
MVNA_SLDT	SLDT MAXIS Version Number - Major	10	
MVNI_SLDT	SLDT MAXIS Version Number - Minor	2	
PP	Playback Processing	NORMAL	
PVNA_SLDT	SLDT Log Processing Version Number - Major	4	
PVNI_SLDT	SLDT Log Processing Version Number - Minor	30	
SDHC	SLDT Density Hole Correction	CALI_SPCS	
SHT	Surface Hole Temperature	15	DEGC
STSO	SLDT Temperature Correction Source	TMPY_SLDT	
TD	Total Depth	873.5	M

Format: DENS

Vertical Scale: 1:600

Graphics File Created: 03-Aug-2000 13:35

<div>OP System Version: 9C0-413</div> <div>MCM</div>					
SPCS-B	OP9-KP2	SLDT-A	OP9-KP2		
CNT-S	OP9-KP2	STGC-B	OP9-KP2		
<div>Input DLIS Files</div>					
DEFAULT	SPCS .022	FN:18 PRODUCER	03-Aug-2000 12:24	874.9 M	209.2 M
<div>Output DLIS Files</div>					
DEFAULT	SPCS .023	FN:19 PRODUCER	03-Aug-2000 13:35		

<div>Input DLIS Files</div>					
DEFAULT	SPCS .022	FN:18 PRODUCER	03-Aug-2000 12:24	874.9 M	209.2 M
<div>Output DLIS Files</div>					
DEFAULT	SPCS .023	FN:19 PRODUCER	03-Aug-2000 13:35	874.9 M	209.2 M
<div>Integrated Hole/Cement Volume Summary</div> <div>Hole Volume = 5.05 M3</div> <div>Cement Volume = 0.97 M3 (assuming 89.00 MM casing O.D.)</div> <div>Computed from 873.4 M to 218.1 M using data channel(s) CALI_SPCS</div>					

<div>OP System Version: 9C0-413</div> <div>MCM</div>			
SPCS-B	OP9-KP2	SLDT-A	OP9-KP2
CNT-S	OP9-KP2	STGC-B	OP9-KP2
<div>PIP SUMMARY</div> <div>└ Integrated Hole Volume Minor Pip Every 0.1 M3</div> <div>└ Integrated Hole Volume Major Pip Every 1 M3</div> <div>└ Integrated Cement Volume Minor Pip Every 0.1 M3</div> <div>└ Integrated Cement Volume Major Pip Every 1 M3</div>			
<div>Time Mark Every 60 S</div>			

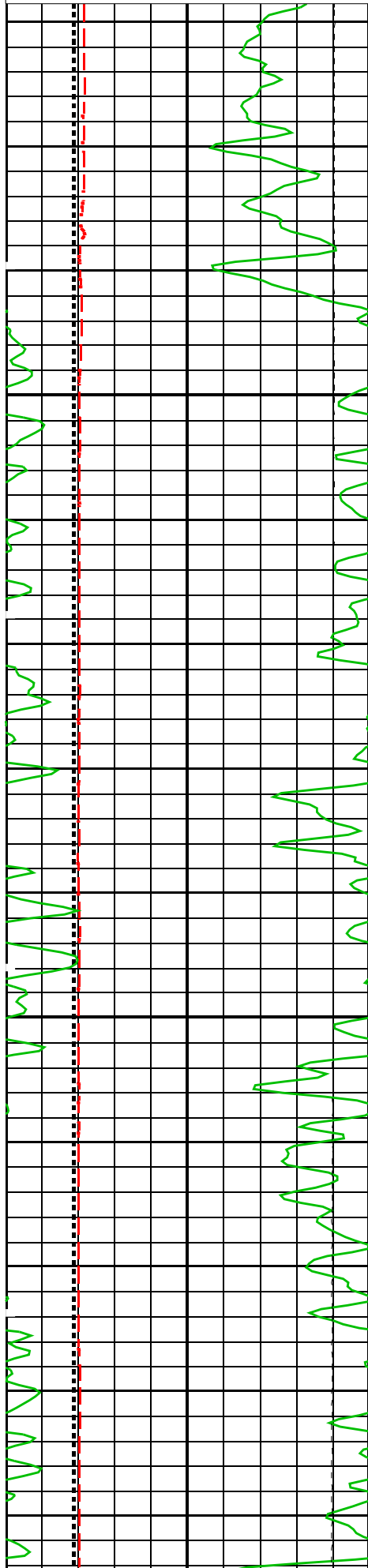
<div>Bit Size (BS)</div> <div>50 (MM) 300</div>		
<div>Gamma Ray (GR_STGC)</div> <div>0 (GAPI) 150</div>		
<div>SPCS Caliper (CALI_SPCS)</div> <div>50 (MM) 300</div>		

<div>SLDT Density Porosity (DPHI_SLDT)</div> <div>45 (PU) -15</div>		
<div>SLDT Pef (PEF_SLDT)</div> <div>0 (----) 10</div>		<div>SLDT Density Quality Factor (QRHO_SLDT)</div> <div>0.25 0.35</div>

Cable Tension (TENS)  
(N)

50000

0



<--CD-->

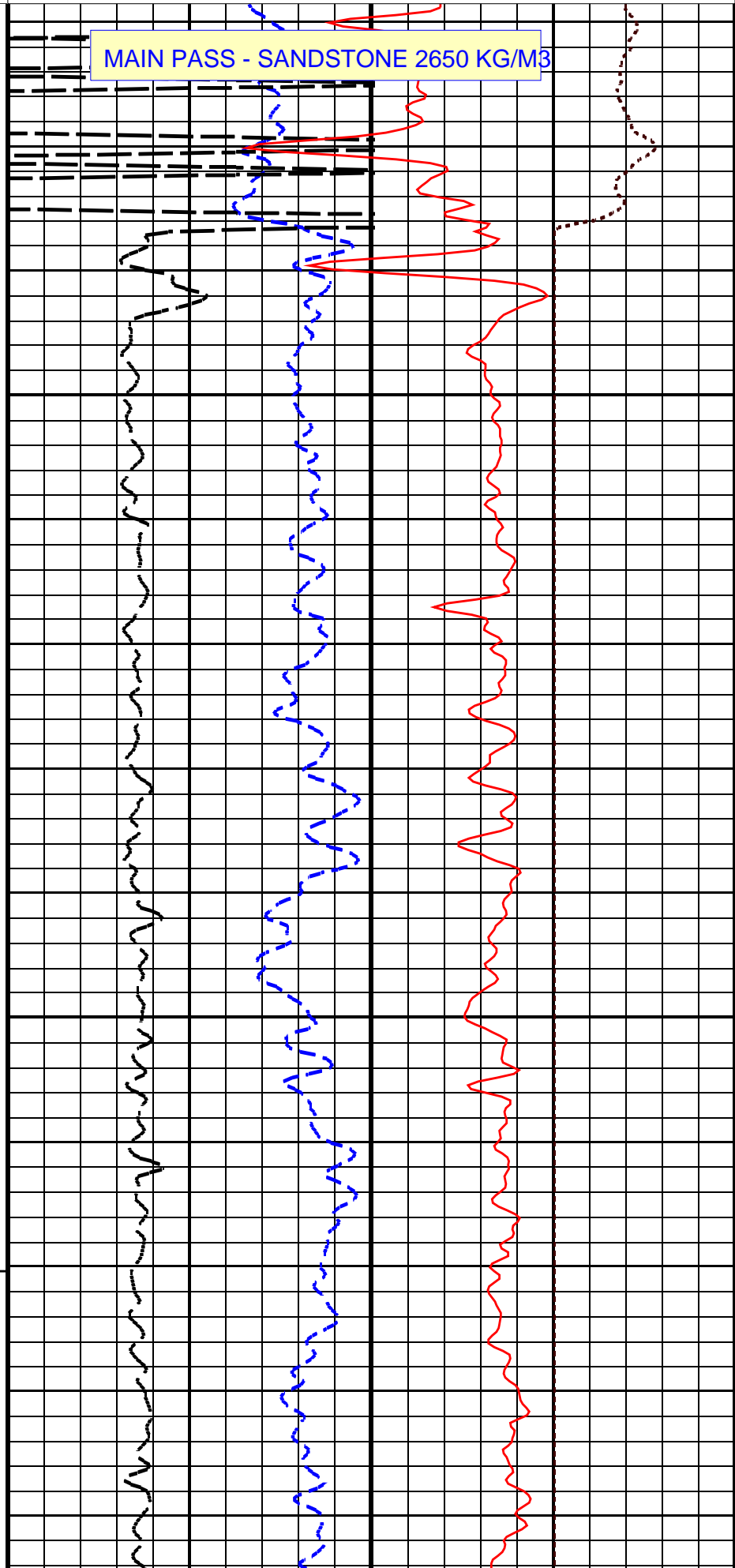
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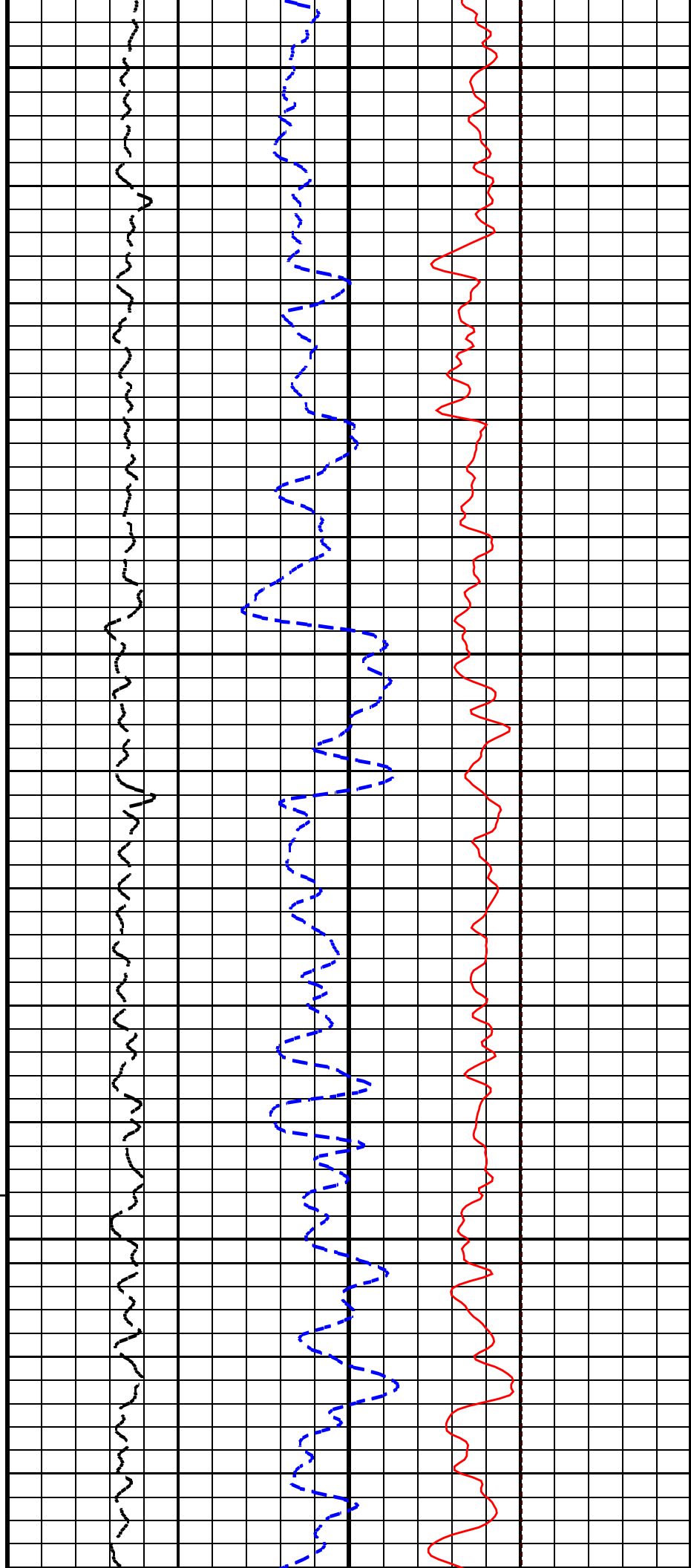
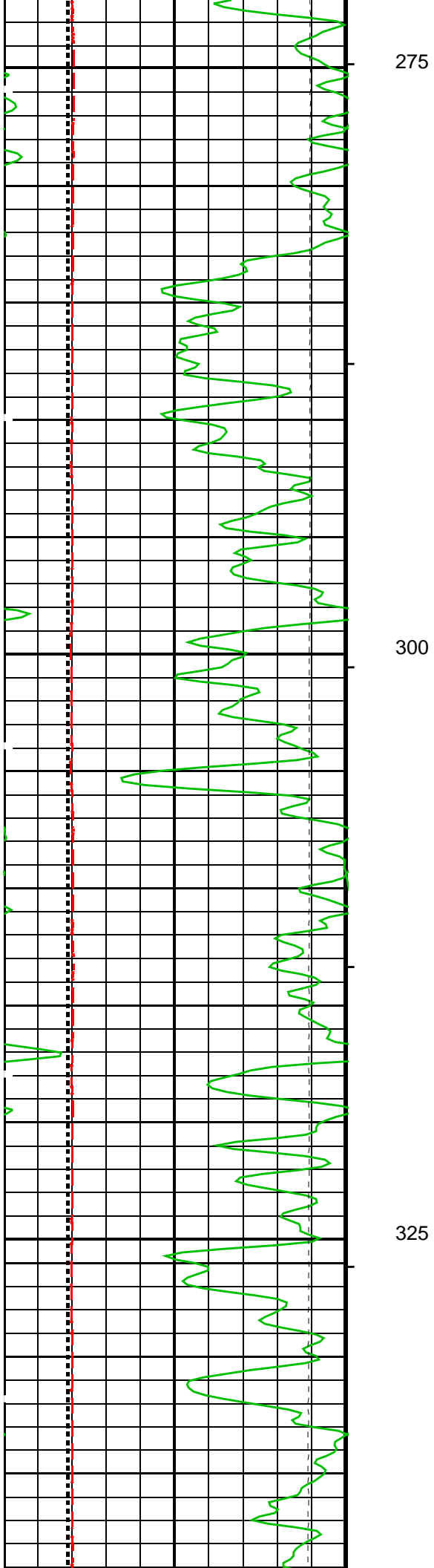
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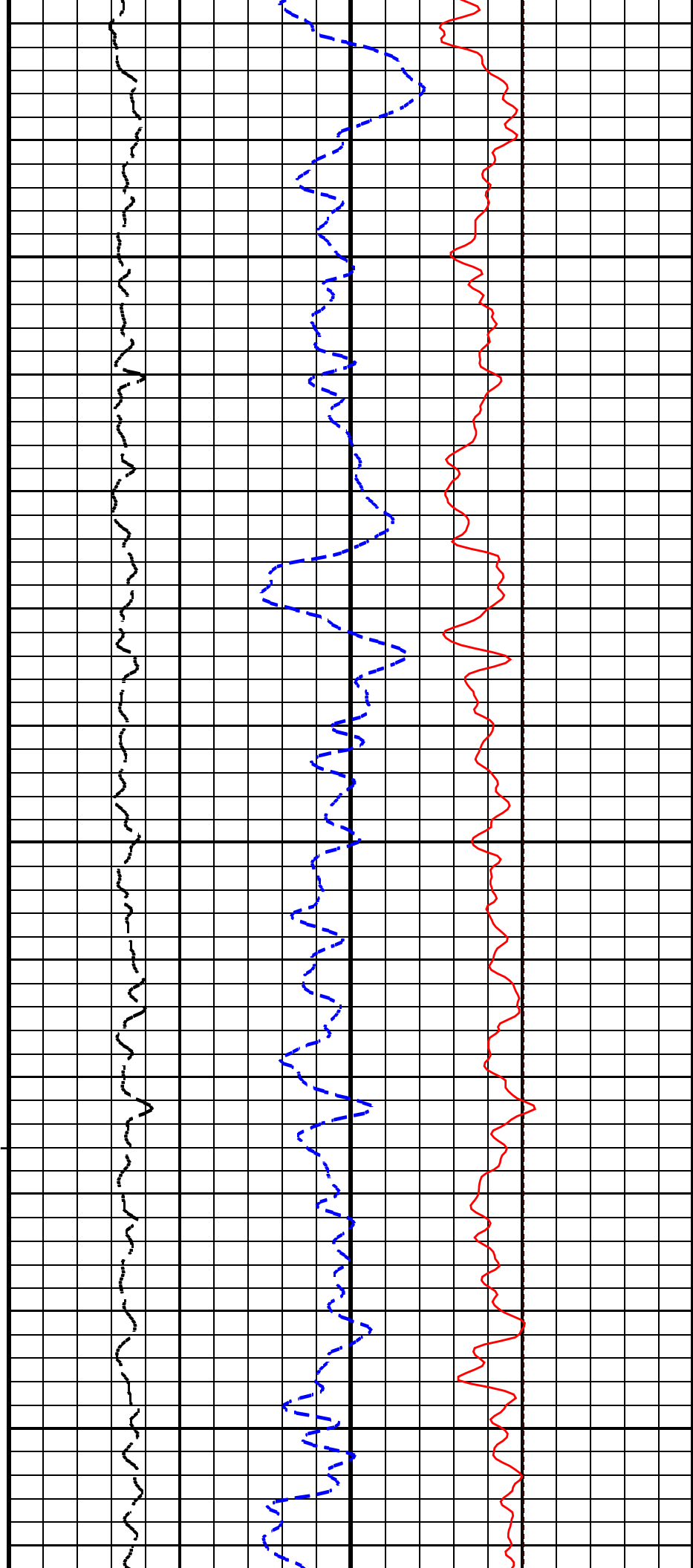
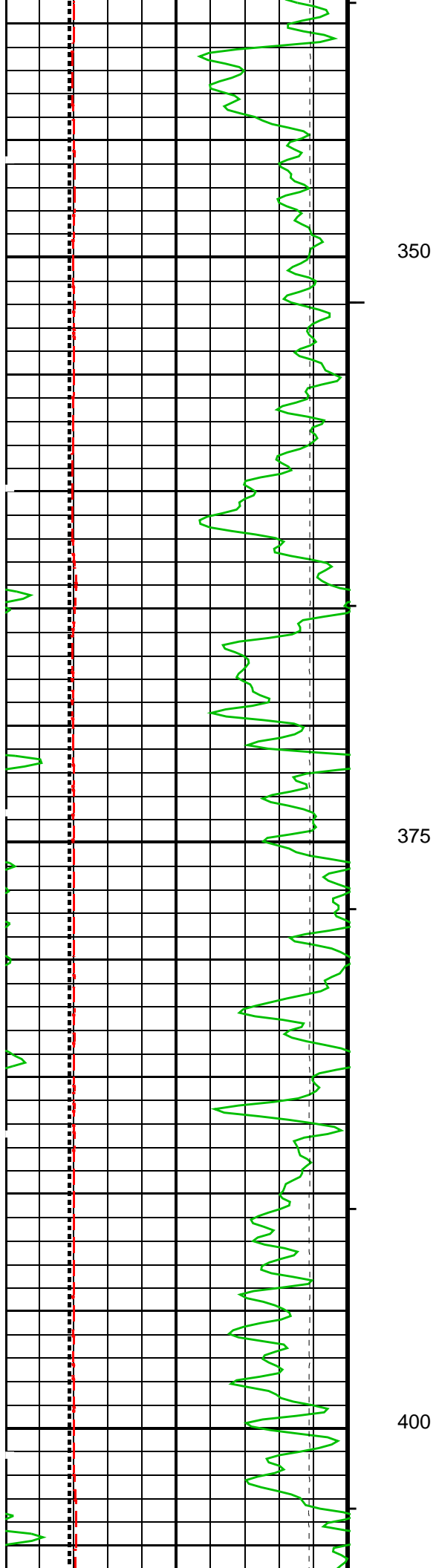
Neutron Porosity (NPHI)  
(PU)

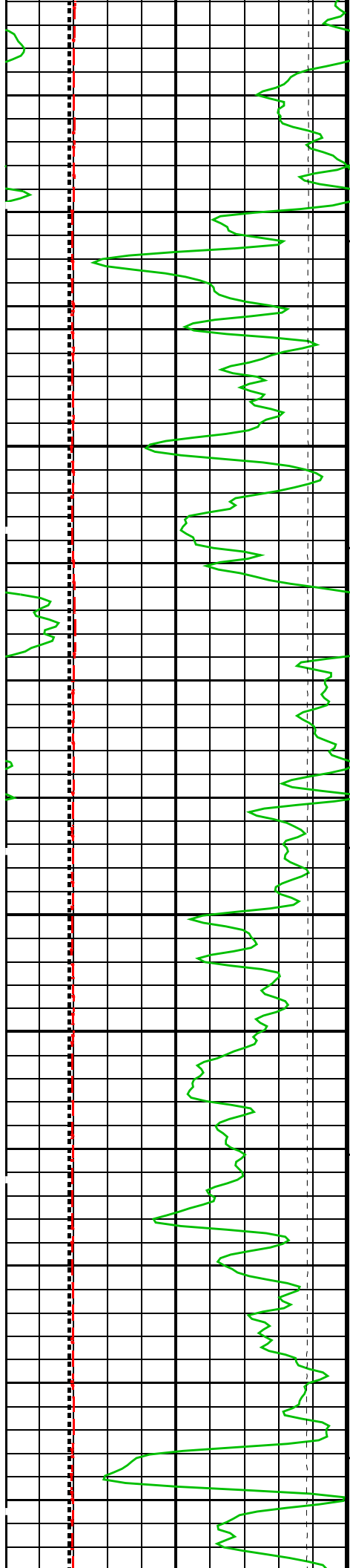
45

-15



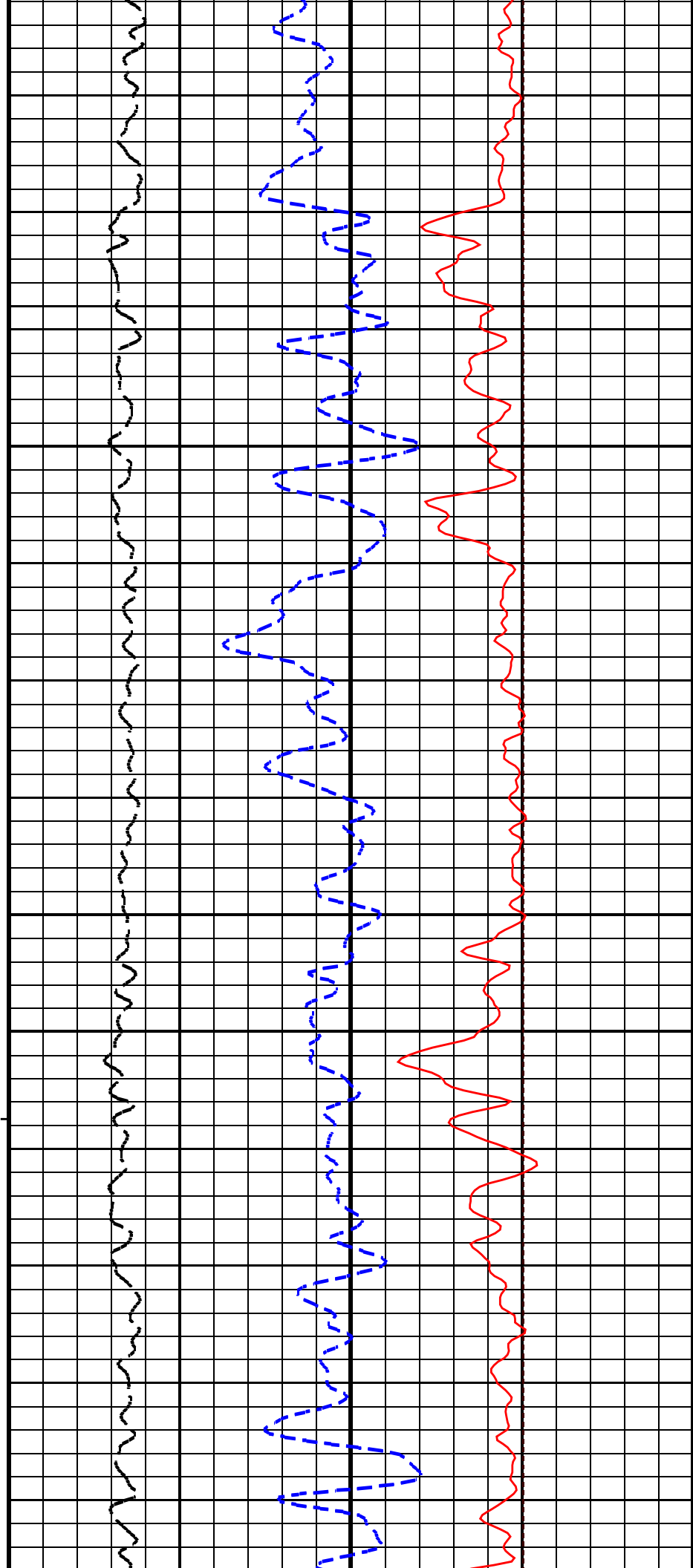


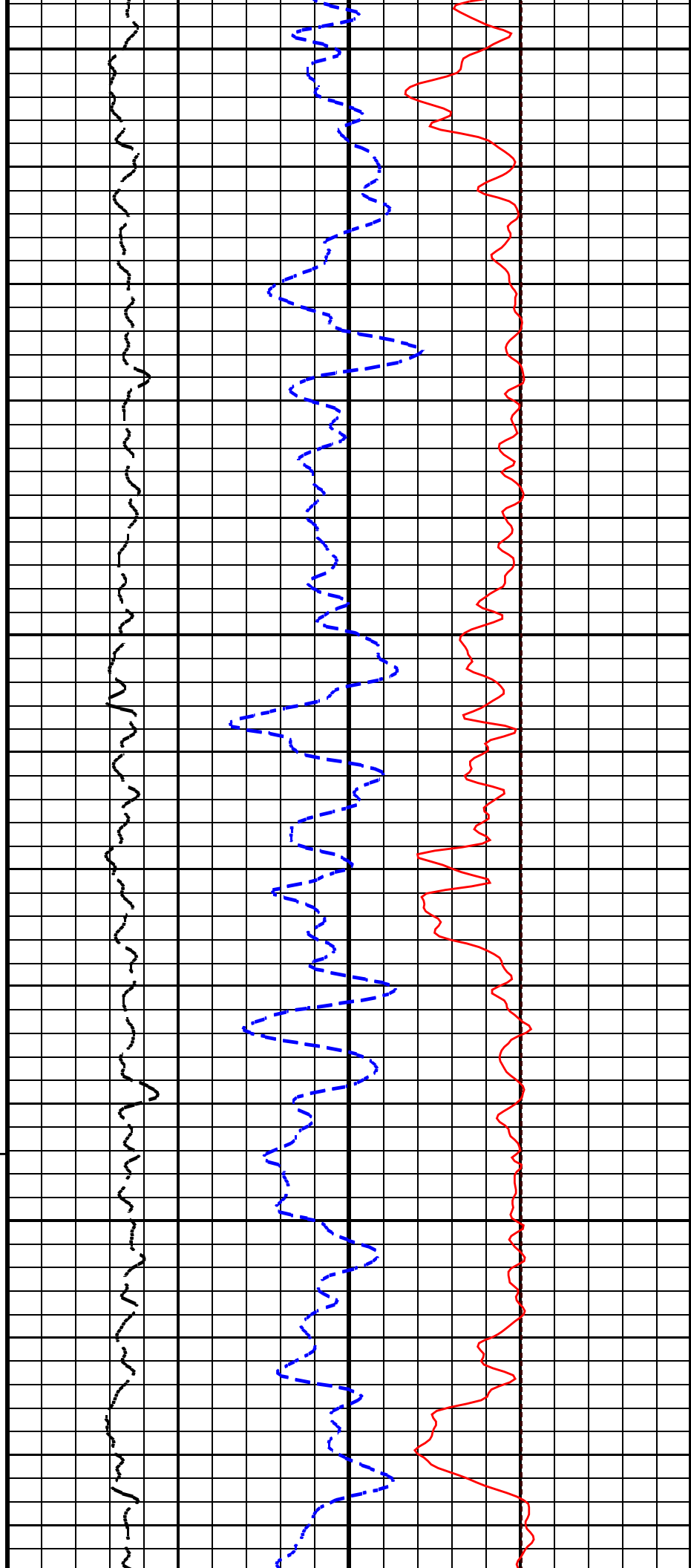
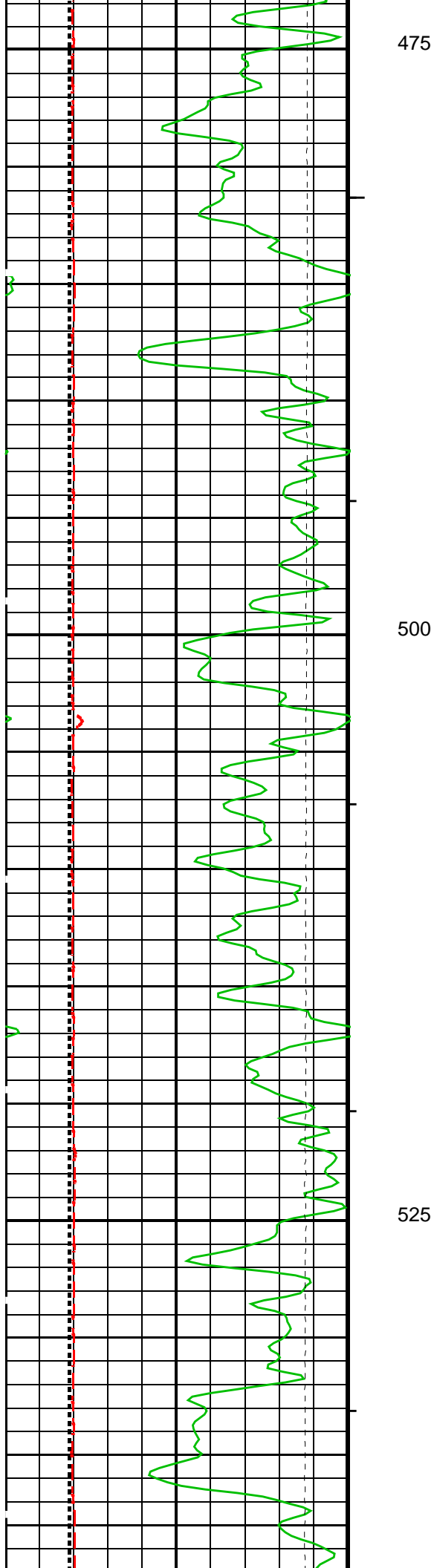




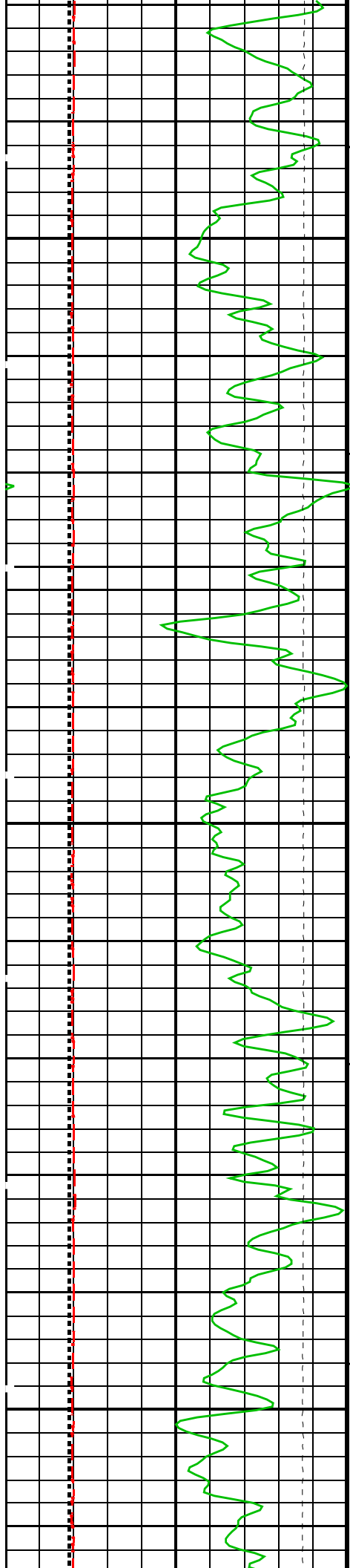
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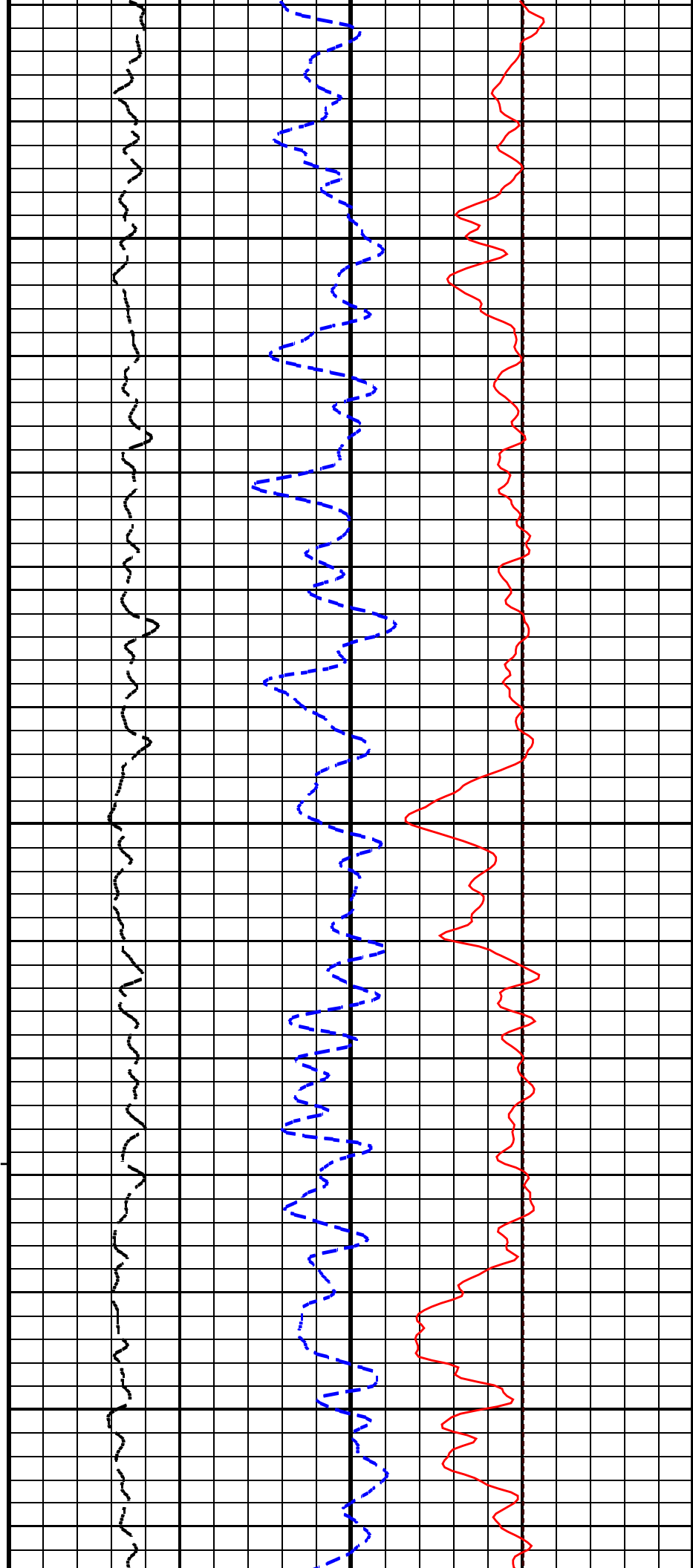


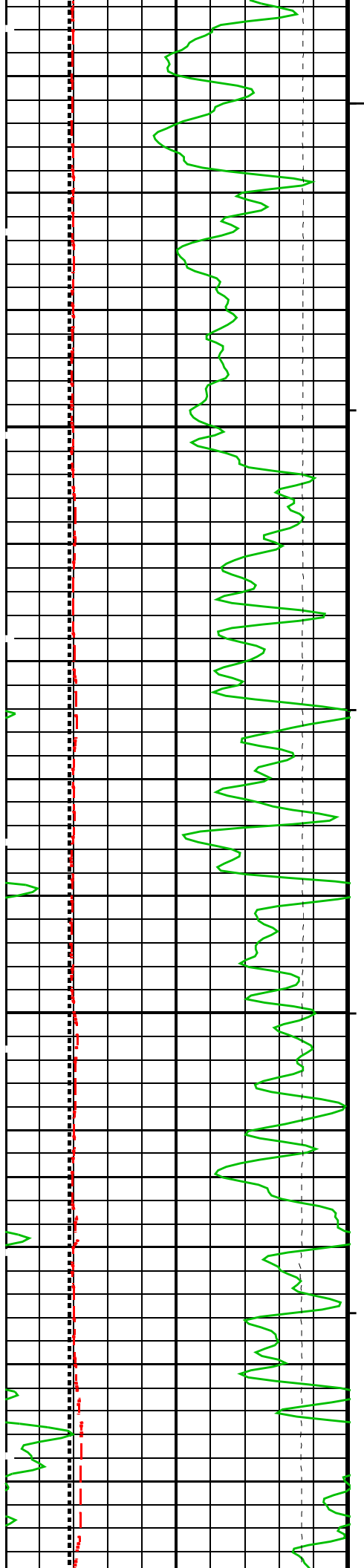


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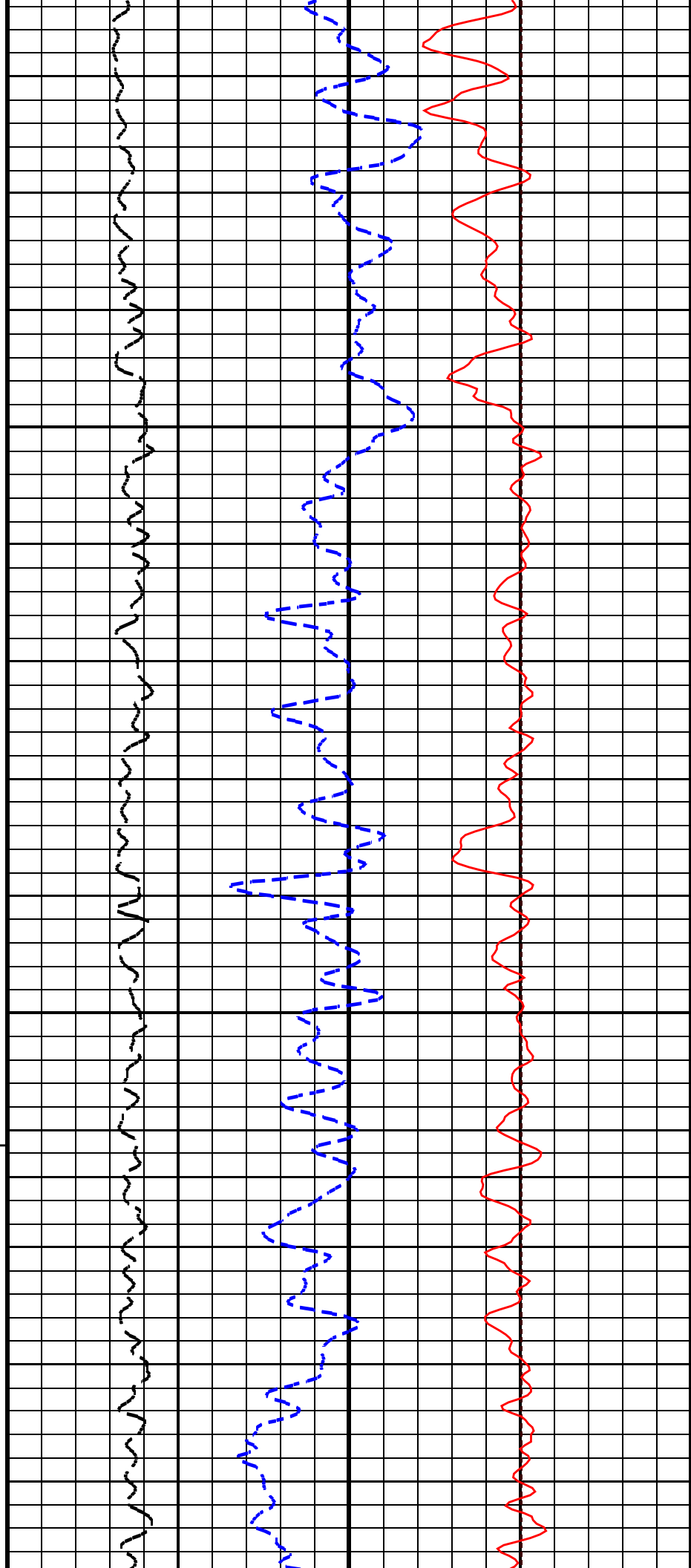
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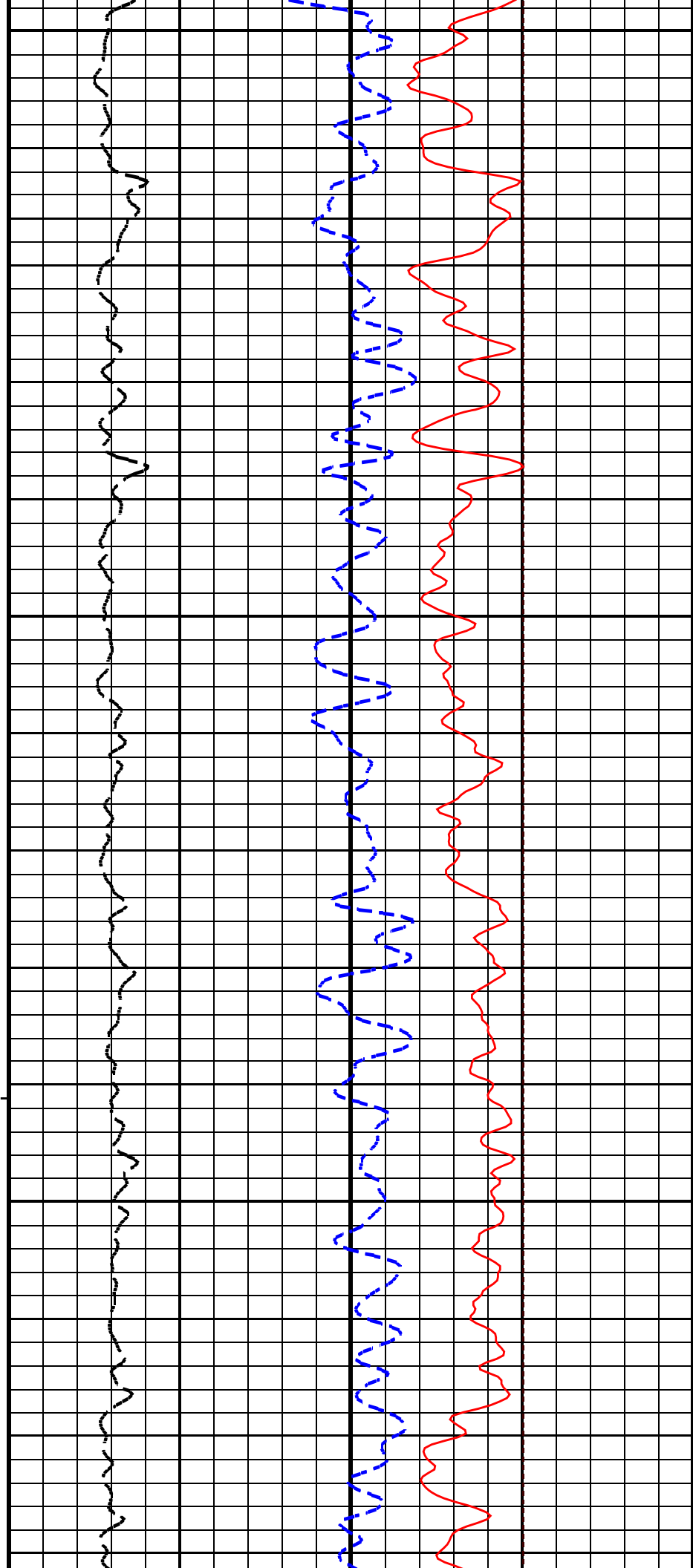
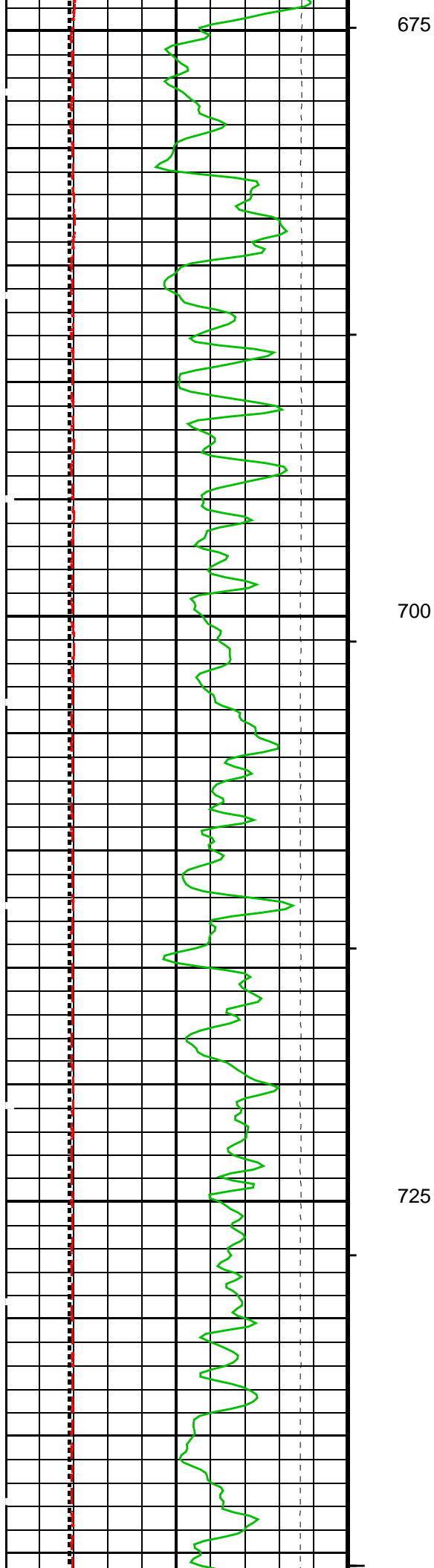


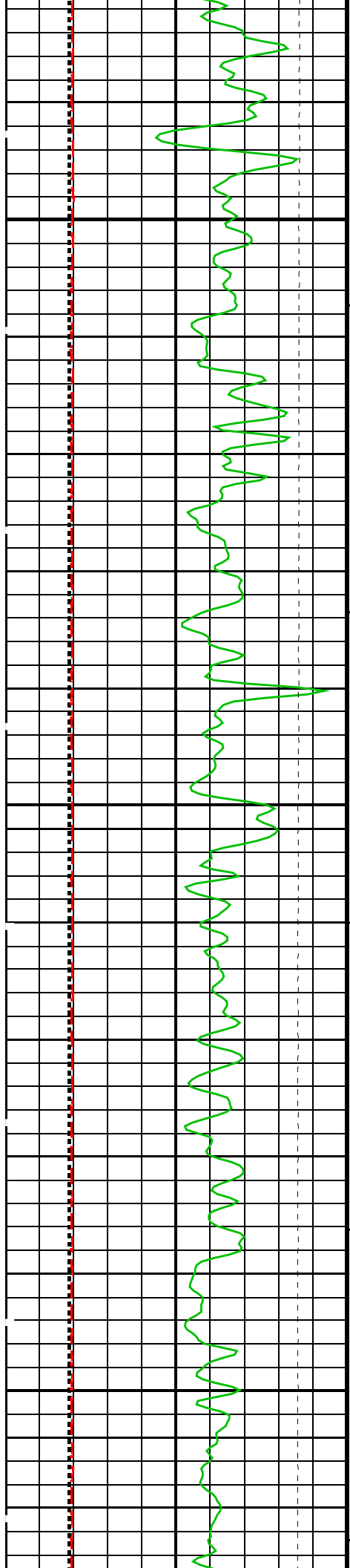


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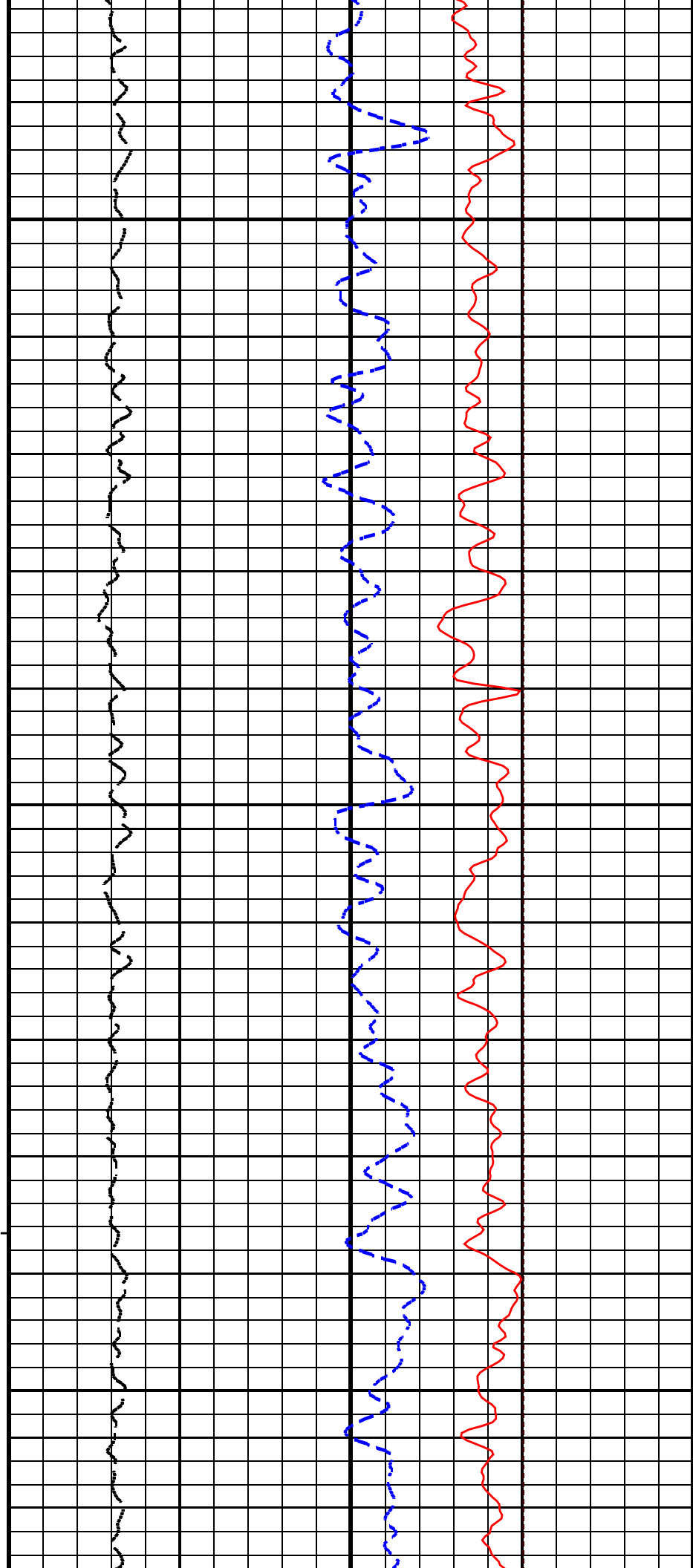


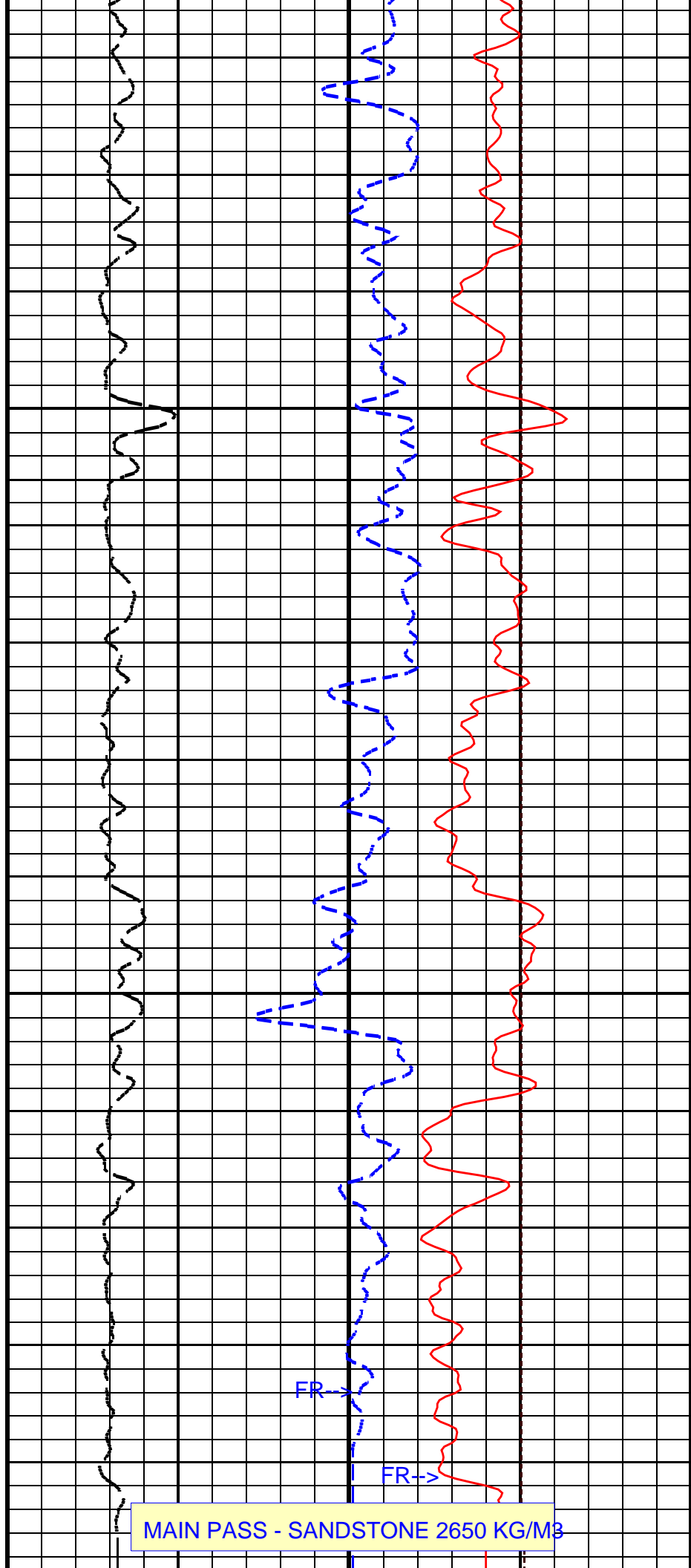
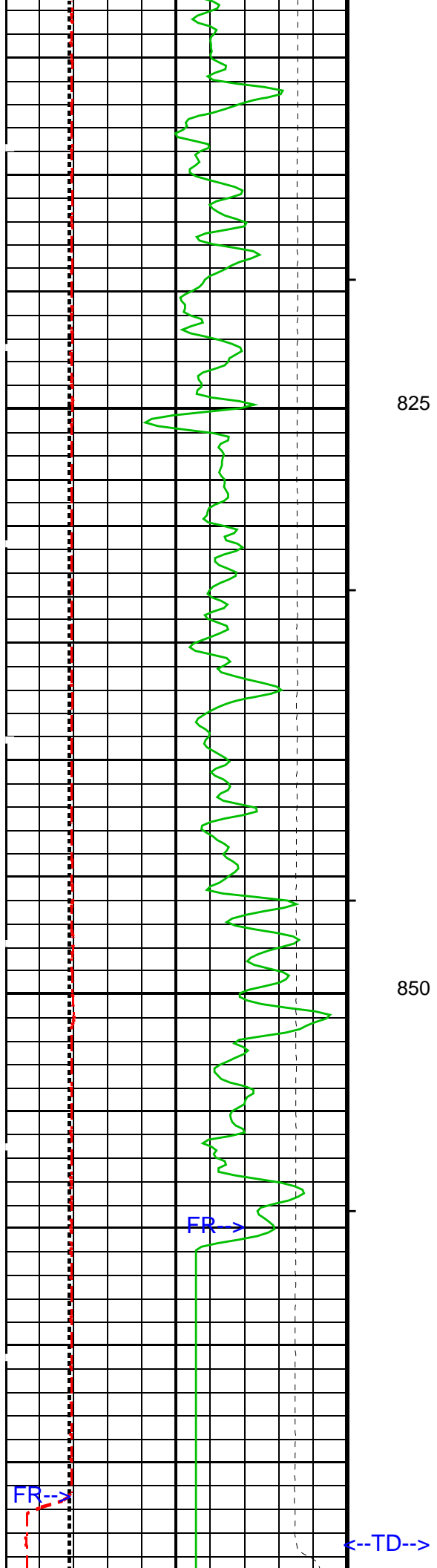


750

775

800





Cable Tension (TENS)			Neutron Porosity (NPHI)		
50000	(N)	0	45	(PU)	-15
SPCS Caliper (CALI_SPCS)			SLDT Density Quality Factor (QRHO_SLDT)		
50	(MM)	300	0	(----	10
Gamma Ray (GR_STGC)			SLDT Density Porosity (DPHI_SLDT)		
0	(GAPI)	150	45	(PU)	-15
Bit Size (BS)					
50	(MM)	300			

PIP SUMMARY					
└ Integrated Hole Volume Minor Pip Every 0.1 M3					
└ Integrated Hole Volume Major Pip Every 1 M3					
└ Integrated Cement Volume Minor Pip Every 0.1 M3					
└ Integrated Cement Volume Major Pip Every 1 M3					
Time Mark Every 60 S					

Parameters					
DLIS Name	Description			Value	
BHS	Bore Hole Status			OPEN	
BHT	Bottom Hole Temperature (used in calculations)			22	DEGC
BS	Bit Size			96.000	MM
DFD	Drilling Fluid Density			1044.00	K/M3
DO	Depth Offset			0.0	M
DORL	Depth Offset Repeat Analysis			0.0	M
FD	Fluid Density			1000	K/M3
FVNA_SLDT	SLDT Firmware Version Number - Major			3	
FVNI_SLDT	SLDT Firmware Version Number - Minor			2	
GCSE	Generalized Caliper Selection			BS	
GGRD	Geothermal Gradient			0.018227	DC/M
GTSE	Generalized Temperature Selection			LINEAR_ESTIMATE	
MATR	Rock Matrix Type			SANDSTONE	
MDEN	Matrix Density			2650	K/M3
MVNA_SLDT	SLDT MAXIS Version Number - Major			10	
MVNI_SLDT	SLDT MAXIS Version Number - Minor			2	
PP	Playback Processing			NORMAL	
PVNA_SLDT	SLDT Log Processing Version Number - Major			4	
PVNI_SLDT	SLDT Log Processing Version Number - Minor			30	
SDHC	SLDT Density Hole Correction			CALI_SPCS	
SHT	Surface Hole Temperature			15	DEGC
STSO	SLDT Temperature Correction Source			TMPY_SLDT	
TD	Total Depth			873.5	M

Format: PORO_S5	Vertical Scale: 1:240	Graphics File Created: 03-Aug-2000 13:35
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OP System Version: 9C0-413			
MCM			
SPCS-B	OP9-KP2	SLDT-A	OP9-KP2
CNT-S	OP9-KP2	STGC-B	OP9-KP2

Input DLIS Files					
DEFAULT	SPCS .022	FN:18 PRODUCER	03-Aug-2000 12:24	874.9 M	209.2 M
Output DLIS Files					
DEFAULT	SPCS .023	FN:19 PRODUCER	03-Aug-2000 13:35		

Input DLIS Files					
DEFAULT	SPCS .022	FN:18 PRODUCER	03-Aug-2000 12:24	874.9 M	209.2 M
DEFAULT	SPCS .021	FN:17 PRODUCER	03-Aug-2000 12:11	874.9 M	796.0 M
Output DLIS Files					
DEFAULT	SPCS .023	FN:19 PRODUCER	03-Aug-2000 13:35		

OP System Version: 9C0-413

MCM

SPCS-B  
CNT-S

OP9-KP2  
OP9-KP2

SLDT-A  
STGC-B

OP9-KP2  
OP9-KP2

PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 0.1 M3
- └ Integrated Hole Volume Major Pip Every 1 M3
  - └ Integrated Cement Volume Minor Pip Every 0.1 M3
  - └ Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S

CALI\_SPCS\_REP Curve (CALI\_SPCS\_REP)  
50 (MM) 300

GR\_STGC\_REP Curve (GR\_STGC\_REP)  
0 (GAPI) 150

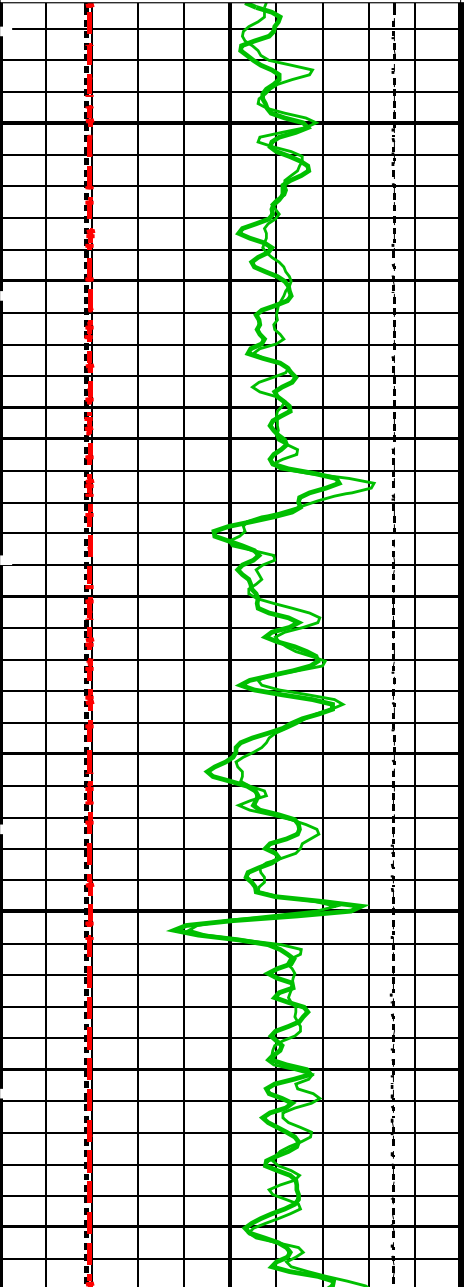
BS\_REP Curve (BS\_REP)  
50 (MM) 300

TENS\_REP Curve (TENS\_REP)  
50000 (N) 0

SLDT/DPHI/Curve\_REP Curve (DPHI\_SLDT\_REP)  
45 (PU) -15

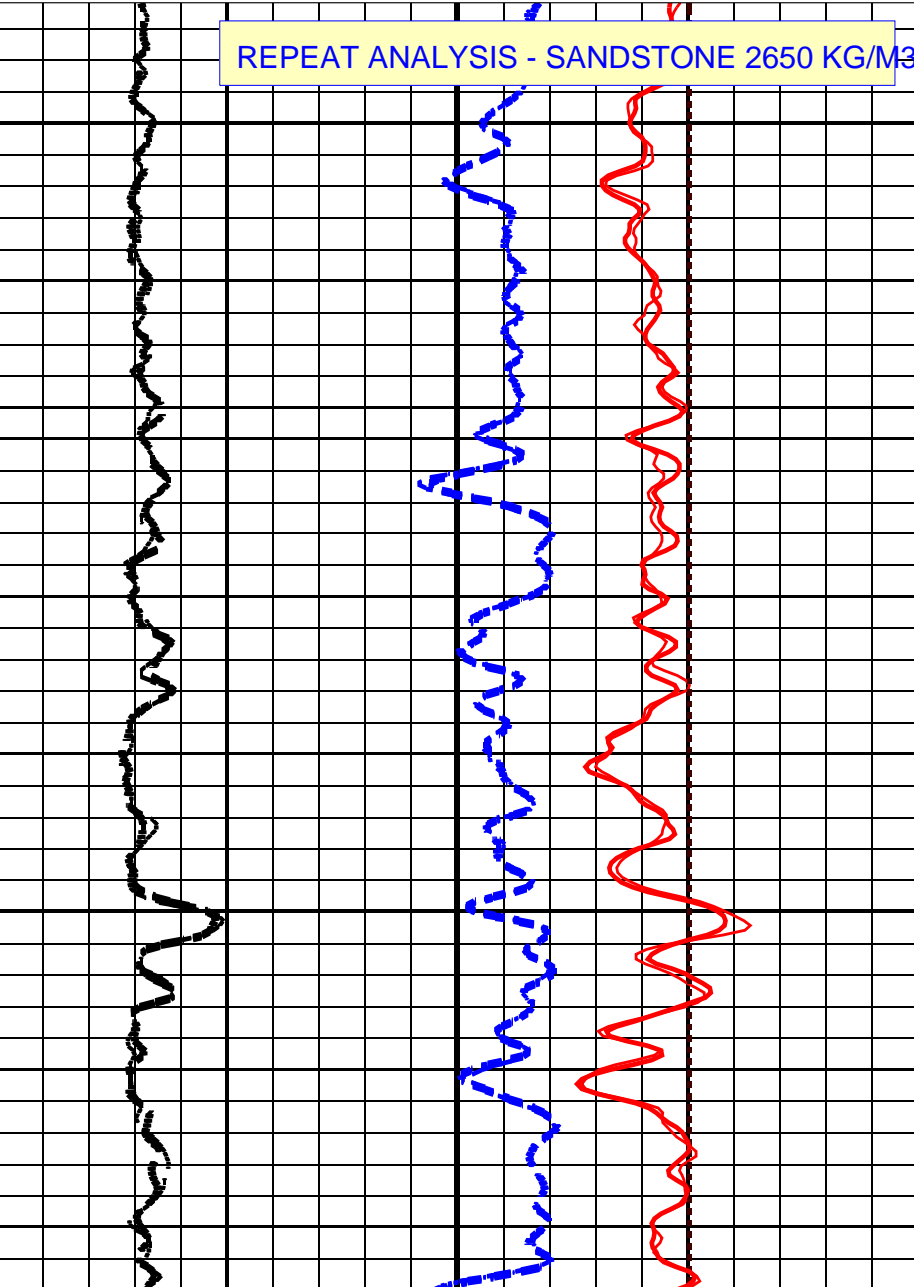
SLDT/PEF/Curve\_REP Curve (PEF\_SLDT\_REP) SLDT/QRHO/Curve\_REP Curve (QRHO\_SLDT\_REP)  
0 (----) 10 0.25 (----) -0.25

NPHI\_REP Curve (NPHI\_REP)  
45 (PU) -15

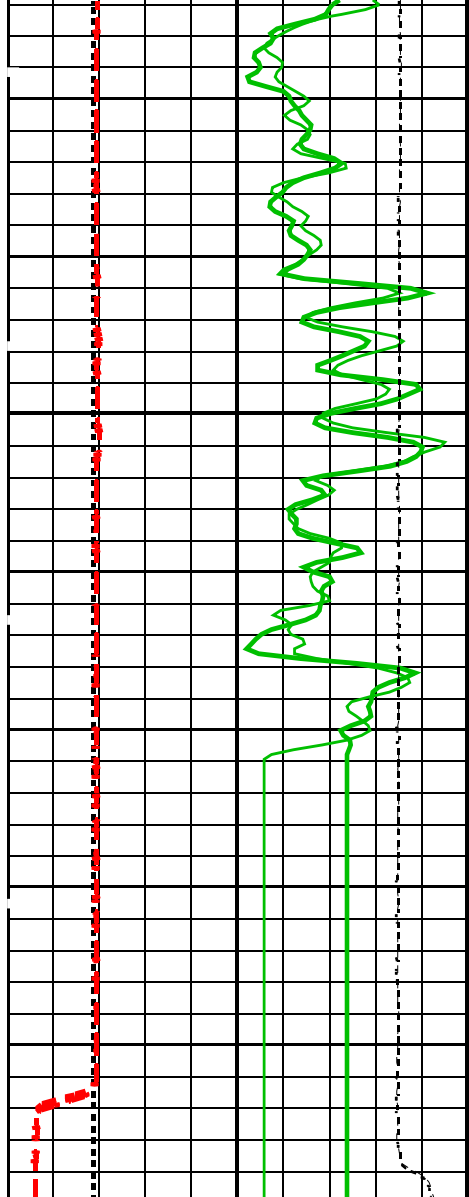


800

825



REPEAT ANALYSIS - SANDSTONE 2650 KG/M3



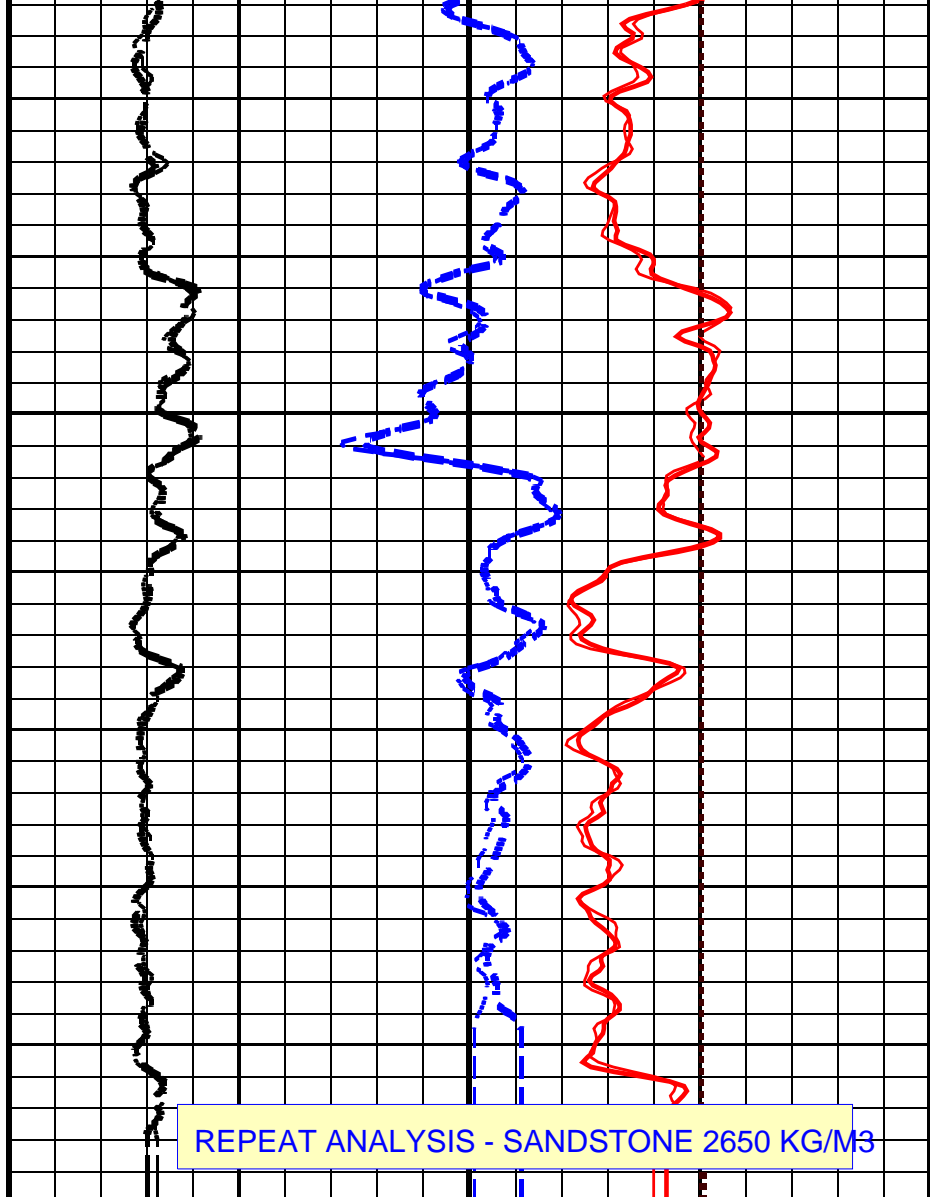
TENS\_REP Curve (TENS\_REP)  
50000 (N) 0

BS\_REP Curve (BS\_REP)  
50 (MM) 300

GR\_STGC\_REP Curve (GR\_STGC\_REP)  
0 (GAPI) 150

CALI\_SPCS\_REP Curve (CALI\_SPCS\_REP)  
50 (MM) 300

850



NPHI\_REP Curve (NPHI\_REP)  
45 (PU) -15

SLDT/PEF/Curve\_REP Curve (PEF\_SLDT\_REP)  
0 (----) 10 0.25 (----) -0.25

SLDT/DPHI/Curve\_REP Curve (DPHI\_SLDT\_REP)  
45 (PU) -15

REPEAT ANALYSIS - SANDSTONE 2650 KG/M3

#### PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 0.1 M3
- └ Integrated Hole Volume Major Pip Every 1 M3
  - └ Integrated Cement Volume Minor Pip Every 0.1 M3
  - └ Integrated Cement Volume Major Pip Every 1 M3

Time Mark Every 60 S

#### Parameters







##### DLIS Name













##### Description













##### Value













BHS	Bore Hole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	22	DEGC
BS	Bit Size	96.000	MM
DFD	Drilling Fluid Density	1044.00	K/M3
DO	Depth Offset	0.0	M
DORL	Depth Offset Repeat Analysis	0.0	M



Master		13.00	Master		9.203	Master		8.772
Before		13.04	Before		9.177	Before		8.849
9.000 (Minimum)	12.00 (Nominal)	14.00 (Maximum)	7.500 (Minimum)	10.50 (Nominal)	12.50 (Maximum)	7.500 (Minimum)	10.50 (Nominal)	12.50 (Maximum)
Master: 1-AUG-2000 14:42			Before: 1-AUG-2000 14:46					

Slimhole Litho-Density Tool Master Calibration											
SS Bkgd Subtracted Window Countrates											
Phase	SS Wind 1 Water Lo PE BSub	CPS	Value	Phase	SS Wind 2 Water Lo PE BSub	CPS	Value	Phase	SS Wind 3 Water Lo PE BSub	CPS	Value
Master			45390	Master			39240	Master			27390
33500 (Minimum)	49100 (Nominal)	54450 (Maximum)		27650 (Minimum)	40900 (Nominal)	45600 (Maximum)		19100 (Minimum)	28500 (Nominal)	32000 (Maximum)	
Phase	SS Wind 4 Water Lo PE BSub	CPS	Value	Phase	SS Wind 5 Water Lo PE BSub	CPS	Value	Phase	SS Wind 6 Water Lo PE BSub	CPS	Value
Master			20220	Master			15740	Master			5200
14200 (Minimum)	21200 (Nominal)	23850 (Maximum)		11550 (Minimum)	16600 (Nominal)	19850 (Maximum)		3800 (Minimum)	5500 (Nominal)	7150 (Maximum)	
Phase	SS Wind 1 Water Hi PE BSub	CPS	Value	Phase	SS Wind 2 Water Hi PE BSub	CPS	Value	Phase	SS Wind 3 Water Hi PE BSub	CPS	Value
Master			37970	Master			35810	Master			25560
28350 (Minimum)	41700 (Nominal)	46300 (Maximum)		25400 (Minimum)	37700 (Nominal)	42100 (Maximum)		17850 (Minimum)	26800 (Nominal)	30050 (Maximum)	
Phase	SS Wind 4 Water Hi PE BSub	CPS	Value	Phase	SS Wind 5 Water Hi PE BSub	CPS	Value	Phase	SS Wind 6 Water Hi PE BSub	CPS	Value
Master			18990	Master			15010	Master			5002
13350 (Minimum)	20100 (Nominal)	22550 (Maximum)		11100 (Minimum)	15900 (Nominal)	19200 (Maximum)		3650 (Minimum)	5400 (Nominal)	6950 (Maximum)	
Master: 1-AUG-2000 14:42											

Slimhole Litho-Density Tool Master Calibration											
MS Bkgd Subtracted Window Countrates											
Phase	MS Wind 1 Water Lo PE BSub	CPS	Value	Phase	MS Wind 2 Water Lo PE BSub	CPS	Value	Phase	MS Wind 3 Water Lo PE BSub	CPS	Value
Master			4731	Master			12610	Master			10020
3050 (Minimum)	4900 (Nominal)	5650 (Maximum)		8650 (Minimum)	13300 (Nominal)	14700 (Maximum)		6800 (Minimum)	10700 (Nominal)	11950 (Maximum)	
Phase	MS Wind 4 Water Lo PE BSub	CPS	Value	Phase	MS Wind 5 Water Lo PE BSub	CPS	Value	Phase	MS Wind 6 Water Lo PE BSub	CPS	Value
Master			8287	Master			9705	Master			1783
5400 (Minimum)	8800 (Nominal)	10300 (Maximum)		6050 (Minimum)	10200 (Nominal)	12100 (Maximum)		700.0 (Minimum)	1800 (Nominal)	2650 (Maximum)	
Phase	MS Wind 1 Water Hi PE BSub	CPS	Value	Phase	MS Wind 2 Water Hi PE BSub	CPS	Value	Phase	MS Wind 3 Water Hi PE BSub	CPS	Value
Master			3376	Master			10060	Master			8669
2050 (Minimum)	3500 (Nominal)	4050 (Maximum)		6850 (Minimum)	10600 (Nominal)	11850 (Maximum)		6000 (Minimum)	9200 (Nominal)	10600 (Maximum)	
Phase	MS Wind 4 Water Hi PE BSub	CPS	Value	Phase	MS Wind 5 Water Hi PE BSub	CPS	Value	Phase	MS Wind 6 Water Hi PE BSub	CPS	Value
Master			7330	Master			8614	Master			1546
4700 (Minimum)	7800 (Nominal)	9200 (Maximum)		5250 (Minimum)	9100 (Nominal)	10900 (Maximum)		500.0 (Minimum)	1600 (Nominal)	2350 (Maximum)	
Master: 1-AUG-2000 14:42											

Slimhole Litho-Density Tool Master Calibration											
LS Bkgd Subtracted Window Countrates											
Phase	LS Wind 1 Water Lo PE BSub	CPS	Value	Phase	LS Wind 2 Water Lo PE BSub	CPS	Value	Phase	LS Wind 3 Water Lo PE BSub	CPS	Value
Master			2145	Master			2918	Master			2072
1300 (Minimum)	2000 (Nominal)	2500 (Maximum)		1800 (Minimum)	2900 (Nominal)	3300 (Maximum)		1250 (Minimum)	2100 (Nominal)	2450 (Maximum)	
Phase	LS Wind 4 Water Lo PE BSub	CPS	Value	Phase	LS Wind 5 Water Lo PE BSub	CPS	Value	Phase	LS Wind 6 Water Lo PE BSub	CPS	Value
Master			1587	Master			1576	Master			202.8
850.0 (Minimum)	1600 (Nominal)	2050 (Maximum)		800.0 (Minimum)	1600 (Nominal)	2100 (Maximum)		100.0 (Minimum)	200.0 (Nominal)	500.0 (Maximum)	
Phase	LS Wind 1 Water Hi PE BSub	CPS	Value	Phase	LS Wind 2 Water Hi PE BSub	CPS	Value	Phase	LS Wind 3 Water Hi PE BSub	CPS	Value
Master			1524	Master			2477	Master			1885
900.0 (Minimum)	1400 (Nominal)	1850 (Maximum)		1550 (Minimum)	2400 (Nominal)	2900 (Maximum)		1100 (Minimum)	1900 (Nominal)	2250 (Maximum)	
Phase	LS Wind 4 Water Hi PE BSub	CPS	Value	Phase	LS Wind 5 Water Hi PE BSub	CPS	Value	Phase	LS Wind 6 Water Hi PE BSub	CPS	Value
Master			1436	Master			1455	Master			192.5
750.0 (Minimum)	1400 (Nominal)	1850 (Maximum)		750.0 (Minimum)	1400 (Nominal)	2050 (Maximum)		100.0 (Minimum)	200.0 (Nominal)	500.0 (Maximum)	

## Slimhole Powered Caliper Sonde - B / Equipment Identification

Primary Equipment:

Auxiliary Equipment:

## Slimhole Litho-Density Tool / Equipment Identification

Primary Equipment:

SLDT Cartridge

SLDT Source

SLDC - A

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GSR - Z

2013

Auxiliary Equipment:

SLDT Housing

SLDH - A

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## Slimhole Litho-Density Tool Wellsite Calibration

## SS Background Measurment

Phase	SS Wind 1 Background CPS		Value	Phase	SS Wind 2 Background CPS		Value	Phase	SS Wind 3 Background CPS		Value
Master			1033	Master			1401	Master			1211
Before			1028	Before			1394	Before			1207
800.0 (Minimum) 1150 (Nominal) 1600 (Maximum)				1050 (Minimum) 1500 (Nominal) 2000 (Maximum)				900.0 (Minimum) 1300 (Nominal) 1800 (Maximum)			
Phase	SS Wind 4 Background CPS		Value	Phase	SS Wind 5 Background CPS		Value	Phase	SS Wind 6 Background CPS		Value
Master			920.9	Master			1097	Master			640.6
Before			921.6	Before			1085	Before			641.1
700.0 (Minimum) 1050 (Nominal) 1400 (Maximum)				850.0 (Minimum) 1250 (Nominal) 1600 (Maximum)				450.0 (Minimum) 650.0 (Nominal) 1000 (Maximum)			
Master: 1-AUG-2000 14:42				Before: 1-AUG-2000 14:46							

## Slimhole Litho-Density Tool Wellsite Calibration

## MS Background Measurment

Phase	MS Wind 1 Background CPS		Value	Phase	MS Wind 2 Background CPS		Value	Phase	MS Wind 3 Background CPS		Value	
Master			443.4	Master			610.7	Master			705.5	
Before			442.2	Before			611.3	Before			702.3	
250.0 (Minimum)			490.0 (Nominal)	400.0 (Minimum)			670.0 (Nominal)	400.0 (Minimum)			750.0 (Nominal)	1000 (Maximum)
Phase	MS Wind 4 Background CPS		Value	Phase	MS Wind 5 Background CPS		Value	Phase	MS Wind 6 Background CPS		Value	
Master			1154	Master			1511	Master			882.6	
Before			1149	Before			1514	Before			881.1	
700.0 (Minimum)			1230 (Nominal)	900.0 (Minimum)			1625 (Nominal)	550.0 (Minimum)			950.0 (Nominal)	1300 (Maximum)
Master: 1-AUG-2000 14:42				Before: 1-AUG-2000 14:46								

## Slimhole Litho-Density Tool Wellsite Calibration

## LS Background Measurment





Phase	LS Wind 1 Background CPS		Value	Phase	LS Wind 2 Background CPS		Value	Phase	LS Wind 3 Background CPS		Value
Master			265.9	Master			261.1	Master			311.2
Before			266.2	Before			260.8	Before			312.7
150.0 (Minimum) 275.0 (Nominal) 350.0 (Maximum)				150.0 (Minimum) 275.0 (Nominal) 350.0 (Maximum)				200.0 (Minimum) 350.0 (Nominal) 400.0 (Maximum)			
Phase	LS Wind 4 Background CPS		Value	Phase	LS Wind 5 Background CPS		Value	Phase	LS Wind 6 Background CPS		Value
Master			520.0	Master			684.6	Master			373.0
Before			517.2	Before			683.4	Before			370.9
350.0 (Minimum) 550.0 (Nominal) 650.0 (Maximum)				450.0 (Minimum) 700.0 (Nominal) 800.0 (Maximum)				250.0 (Minimum) 375.0 (Nominal) 450.0 (Maximum)			
Master: 1-AUG-2000 14:42				Before: 1-AUG-2000 14:46							

## Slimhole Litho-Density Tool Wellsite Calibration

## Cs Resolution - Background Measurement

Phase	SS Cs Resolution Bkg %	Value	Phase	MS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value
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Master: 1-AUG-2000 14:42

Slimhole Litho-Density Tool Master Calibration														
Housing Diameter Wear Measurement														
Phase	Source Housing Wear Meas MM			Value	Phase	SS Housing Wear Meas MM			Value	Phase	MS Housing Wear Meas MM			Value
Master				63.50	Master				63.70	Master				63.59
62.61 (Minimum)      63.50 (Nominal)      63.63 (Maximum)					62.61 (Minimum)      63.68 (Nominal)      63.83 (Maximum)					62.61 (Minimum)      63.68 (Nominal)      63.83 (Maximum)				
Phase	LS Housing Wear Meas MM			Value										
Master				63.61										
62.61 (Minimum)      63.68 (Nominal)      63.83 (Maximum)														
Master: 1-AUG-2000 14:42														

#### Compensated Neutron - S / Equipment Identification

##### Primary Equipment:

Compensated Neutron Cartridge  
Neutron Logging Source  
Neutron Source Radioactive

CNC - DA 58  
NLS - KL  
NSR - L 3108

##### Auxiliary Equipment:

Compensated Neutron Housing  
Neutron Calibration Tank

CNH - CA  
NCT - B

#### SLIM Telemetry Gamma-ray Cartridge - B / Equipment Identification

##### Primary Equipment:




STGC Gamma-ray & Accelerometer Cartridge  
STGC Telemetry Cartridge

STGC - B  
STGC - A

##### Auxiliary Equipment:

SLIM Electronics Cartridge Housing

STGH - B 8007

SLIM Telemetry Gamma-ray Cartridge - B Wellsite Calibration											
Detector Calibration											
Phase	Gamma Ray Background GAPI		Value	Phase	Gamma Ray (Jig - Bkg) GAPI		Value	Phase	Gamma Ray (Calibrated) GAPI		Value
Before			47.68	Before			149.1	Before			155.1
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		135.5 (Minimum)	149.1 (Nominal)	162.6 (Maximum)		140.1 (Minimum)	155.1 (Nominal)	170.1 (Maximum)
Before: 1-AUG-2000 14:44											

**COMPANY: DEER LAKE OIL & GAS INC.**

**WELL: DEER LAKE OIL & GAS ET AL WESTERN ADVENTURE NO. 1**

**FIELD: EXPLORATORY**

**PROVINCE: NEWFOUNDLAND**

BOTTOM LOG INTERVAL 871 m

SCHLUMBERGER DEPTH 873.5 m

DEPTH DRILLER 872 m

KELLY BUSHING 92.5 m

DRILL FLOOR 92.5 m

GROUND LEVEL 90 m

Schlumberger

**COMPENSATED NEUTRON  
LITHO DENSITY**