





[illegible][illegible][illegible]

OTHER SERVICES1	OTHER SERVICES2
OS1: PEX-HRLA-HNGS-GR	OS1:
OS2: CMR+-PPC	OS2:
OS3: MDT	OS3:
OS4: ZVSP	OS4:
OS5:	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
- Logging objective: formation evaluation.	
- All wellsite information provided by client.	
- Tool string combined as per tool sketch.	
- Maximum borehole temperature reading 47.8 recorded from thermometer in LEH-QT.	
- Maximum borehole deviation reading 1.22 recorded from GPIT.	
- FMI logging mode: EMEX=180V and Gain AutoLow, PP=20%.	
- DSI logging mode: Low frequency BCR (OH), Upper dipole (CH) and P&S.	








- PPC was configured as centralizer.					
- CME-Z was used for DSI centralization.					
- FMI Caliper check in casing 12.5 in.					
- PPC Caliper check in casing 12.6 in.					
- EMS Caliper check in casing 12.8 in.					
- Repeat pass to cover 3210-3110 as requested.					
- Wiper trip planned after CMR+ run and before MDT.					
- ECRD run in place of mechanical weakpoint for every run.					

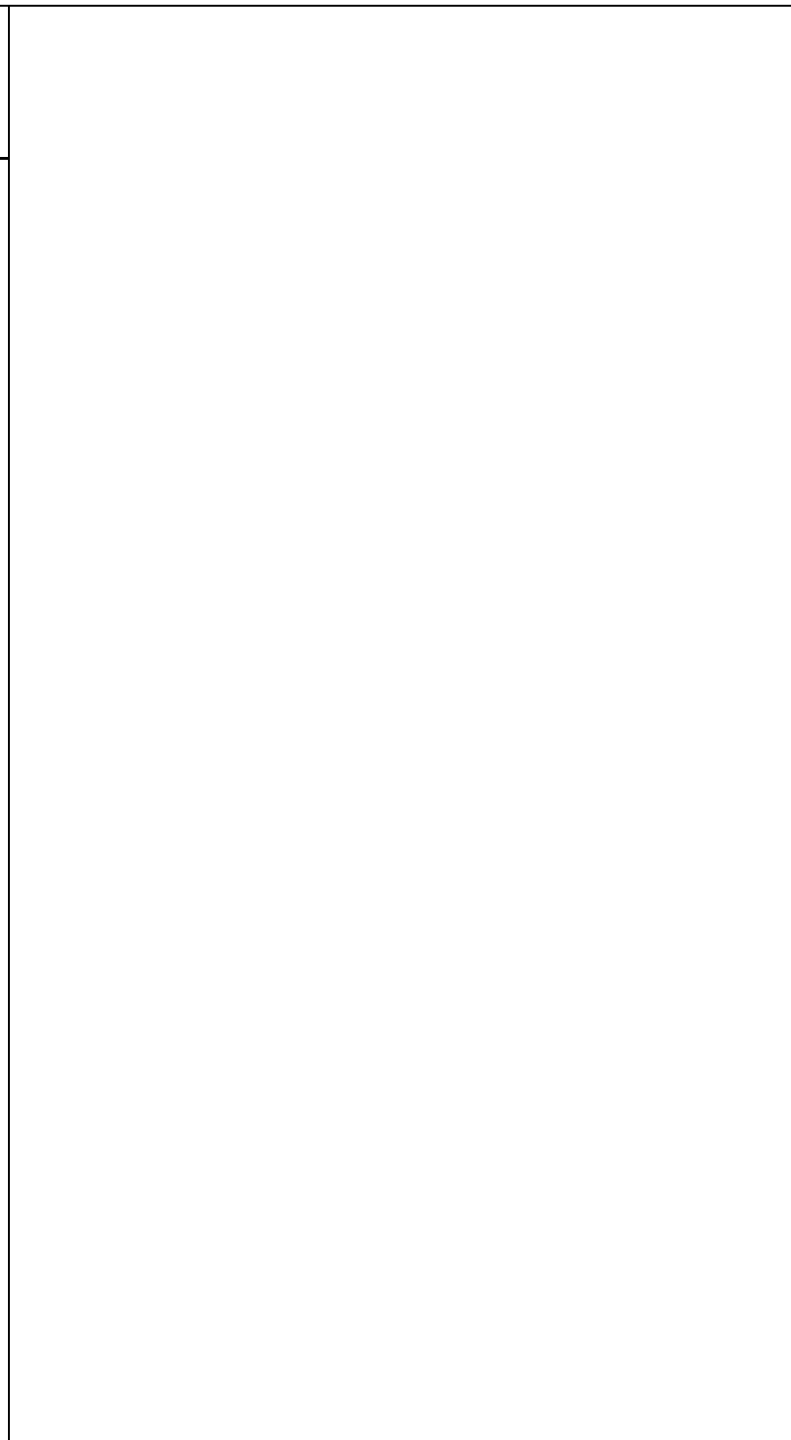
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION					
RUN 1			RUN 2		

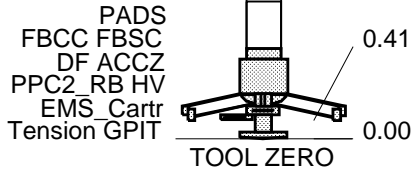
**SURFACE EQUIPMENT**  
WITM (EDTS)-A

**DOWNHOLE EQUIPMENT**

LEH-QT_ECRD 4308		34.61
LEH-QT_ECRD 1035		
DTPC-A		33.72
ECH-KJ 49		
DTPC-A 49		
EDTC-B		31.89
EDTH-B 8466		30.83
EDTC-B 8479		30.26
EDTG-A/B 77415		29.91
PPC2		29.56
PPC2-B 8558		29.91
PPC_CAL_STD 8558		
EMS-B		27.93
EMA-B 8002		27.75
RES 8002		27.50
EMC-B 8086		
ECH-KH 8706		
EMM-A 8078		24.61
DSST-B		23.59
SPAC-B 8008		
ECH-SD 8008		
SMDR-BD 8007		
SSIJ-BA 8008		
SMDX-AA 8081		



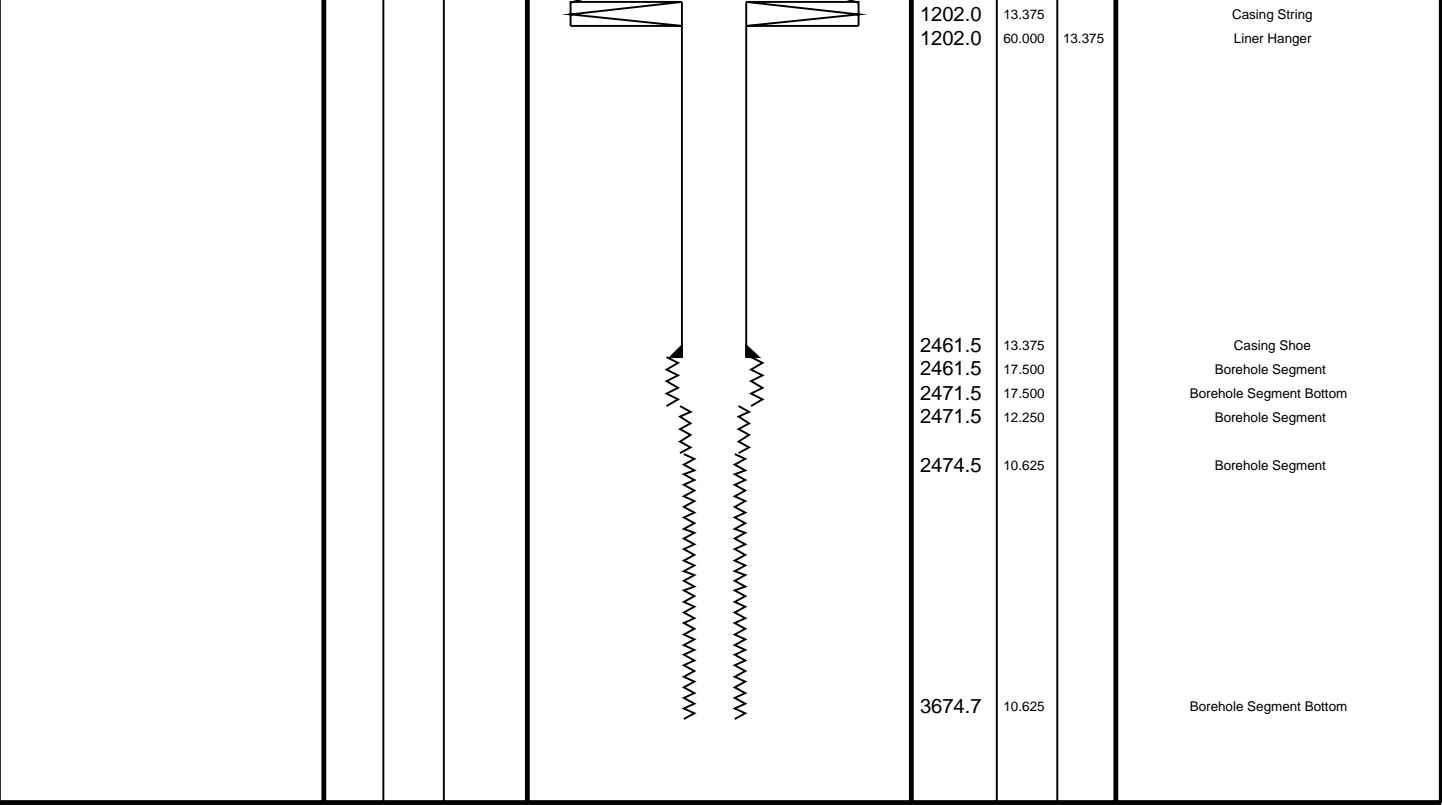
FBST-B  
ECH-MRA 4827  
FBCC-A 998  
AH-184 782  
AH-185 831  
FBSH-A 911  
GPIC-C 1843  
FBSC-B 977  
FBSS-B 911



8.04  
2.0 IN  
Standoff  
Standoff

MAXIMUM STRING DIAMETER 7.38 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

Production String	(in)		(m)	Well Schematic	(m)	(in)		Casing String
	OD	ID	MD		MD	OD	ID	
Derrick Floor Elevation			28.5					
Mean Sea Level			0.0					
Seismic Gun depth below MSL			5.0					
Bell Nipple Guide, Subsea BOP	60.000	36.000	1189.0		1189.0	60.000	36.000	Casing Shoe



## Main Log 1:200

MAXIS Field Log

Company: JAMSTEC Well: C0020A

Input DLIS Files						
DEFAULT	FMI_DSI_EMS_CAL_027LUP	FN:53	PRODUCER	10-Sep-2012 20:36	3672.8 M	2446.3 M
Output DLIS Files						
DEFAULT	FMI_DSI_EMS_CAL_189PUP	FN:491	PRODUCER	16-Sep-2012 01:59	3675.3 M	2448.8 M
CLIENT	FMI_DSI_EMS_CAL_189PUC	FN:492	CUSTOMER	16-Sep-2012 01:59	3675.3 M	2448.8 M

**Integrated Hole/Cement Volume Summary**

Hole Volume = 0.41 M3

Cement Volume = 0.18 M3 (assuming 9.63 IN casing O.D.)

Computed from 2453.5 M to 2448.8 M using data channel(s) RD1 RD2 RD3 RD4 RD5 RD6

OP System Version: 19C1-222

FBST-B	19C1-222	DSST-B	19C1-222
EMS-B	19C1-222	PPC2	19C1-222
EDTC-B	19C1-222	DTPC-A	19C1-222

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

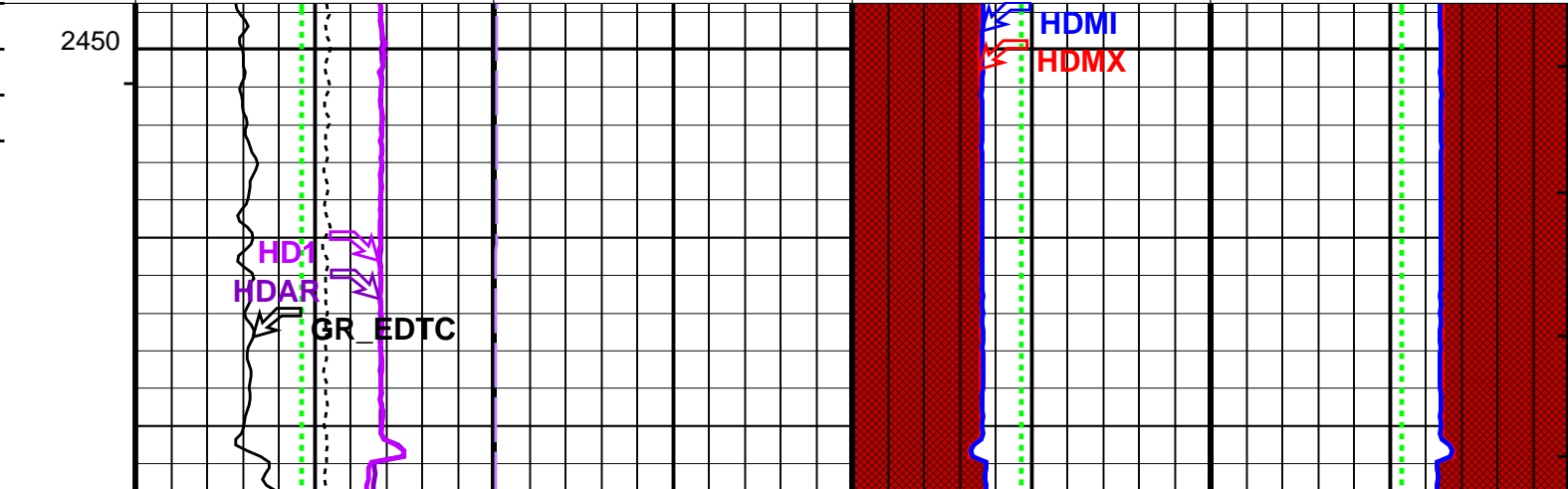
Integrated Transit Time Minor Pip Every 1 MS

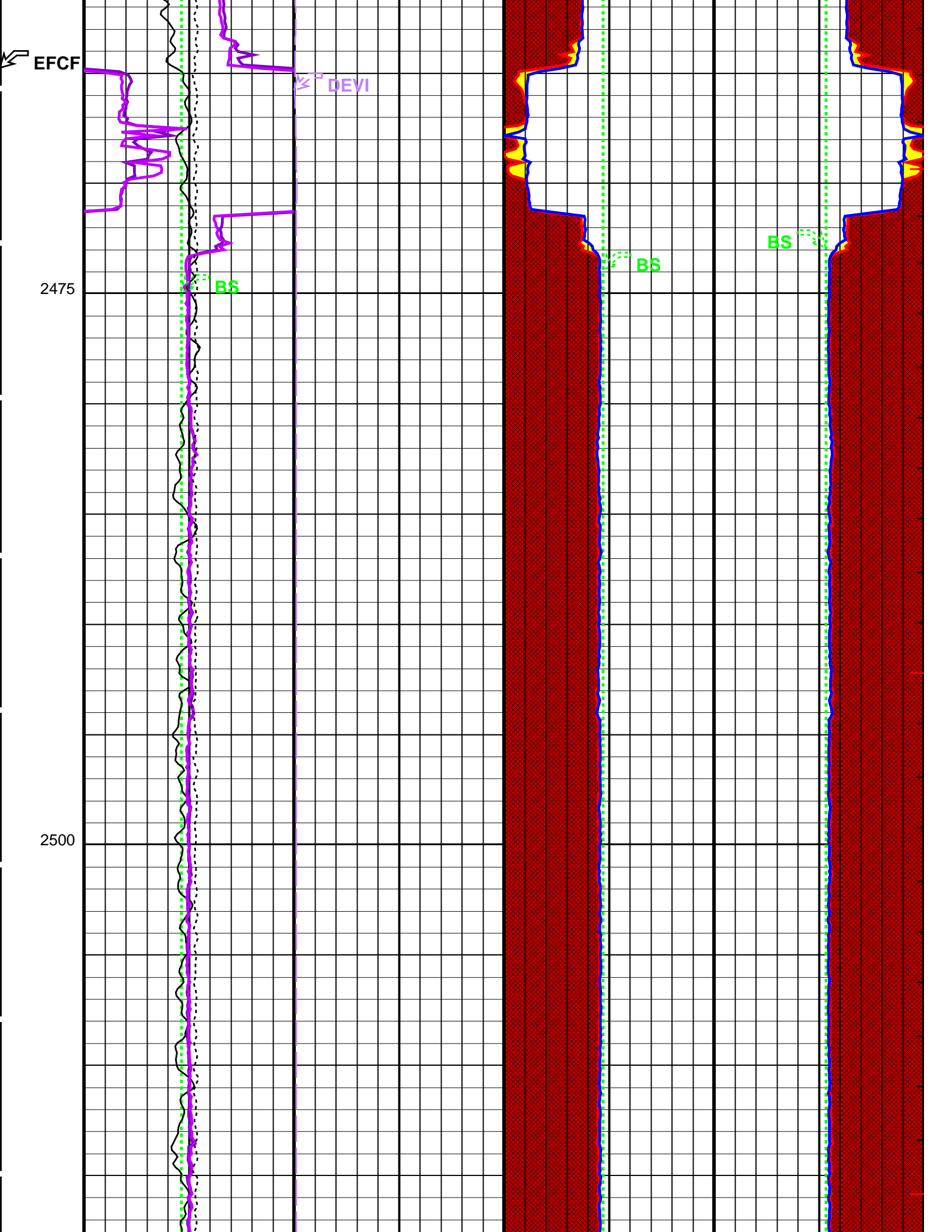
Integrated Transit Time Major Pip Every 10 MS

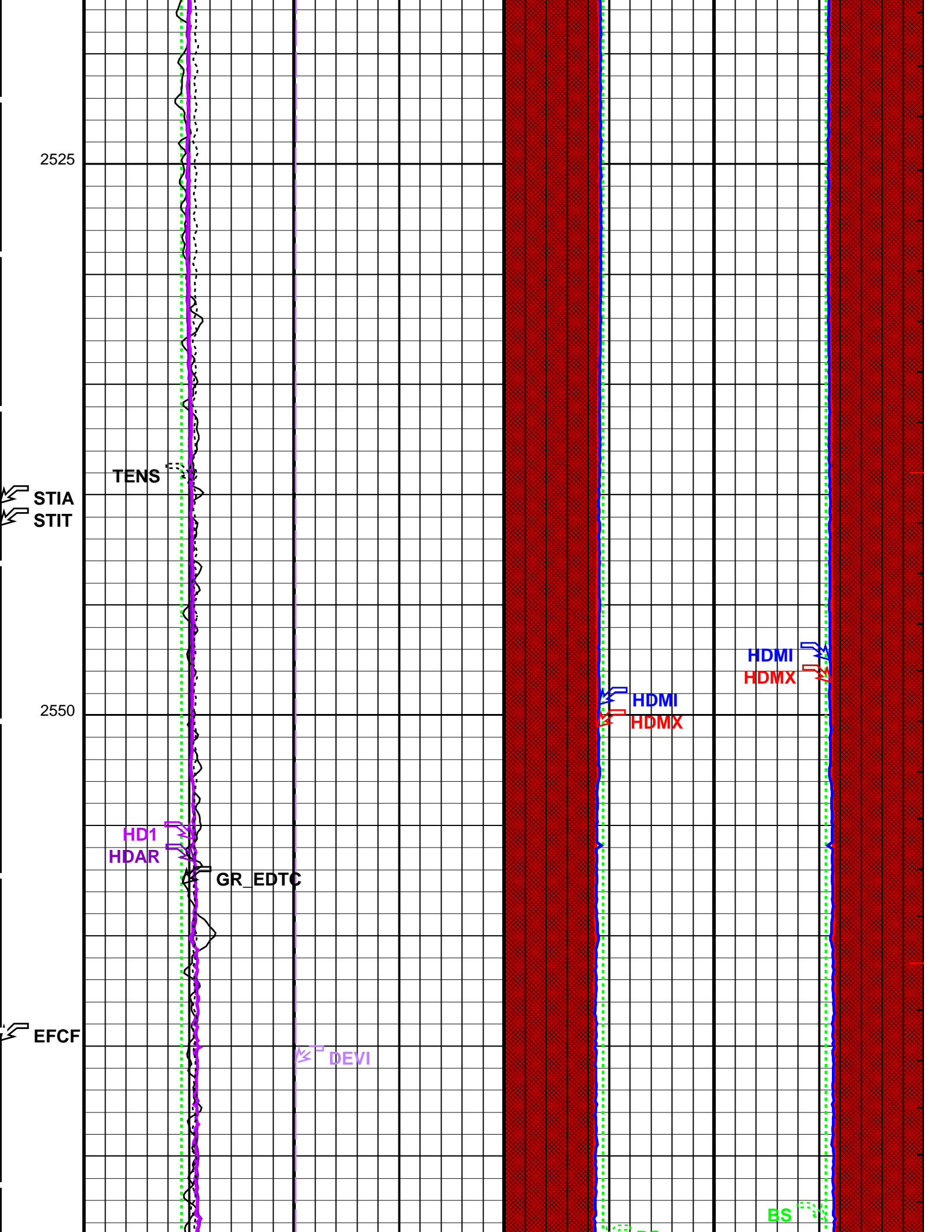
Time Mark Every 60 S

Probability Angle for HDMI (CHAM) (DEG)	90	240		
Probability angle for HDMI From D4T to CHAM				
Fixed caliper flag From D4T to EFCF	Tension (TENS) (LBF)	10000	0	
Tool/Tot. Drag From D4T to STIA	Hole Diameter 1 (HD1) (IN)	6	16	
Cable Drag From D4T to STIT	Hole Diameter from Area (HDAR) (IN)	6	16	
Stuck Stretch (STIT) (M)	Gamma Ray (GR_EDTC) (GAPI)	0	150	
EMS Fixed Caliper Flag (EFCF) (IN)	Bit Size (BS) (IN)	6	16	
	Deviation (DEVI) (DEG)	0	50	
	Bit Size (BS) (IN)	20	0	

Formation From F3 to HDMX 1	Formation From HDMX 2 to F4
HD difference From HDMX_1 to HDMI_1	HD difference From HDMI_2 to HDMX_2
Hole Diameter Minimum (HDMI) (IN)	Hole Diameter Minimum (HDMI) (IN)
20	0
Hole Diameter Maximum (HDMX) (IN)	Hole Diameter Maximum (HDMX) (IN)
20	0
Bit Size (BS) (IN)	Bit Size (BS) (IN)
20	0









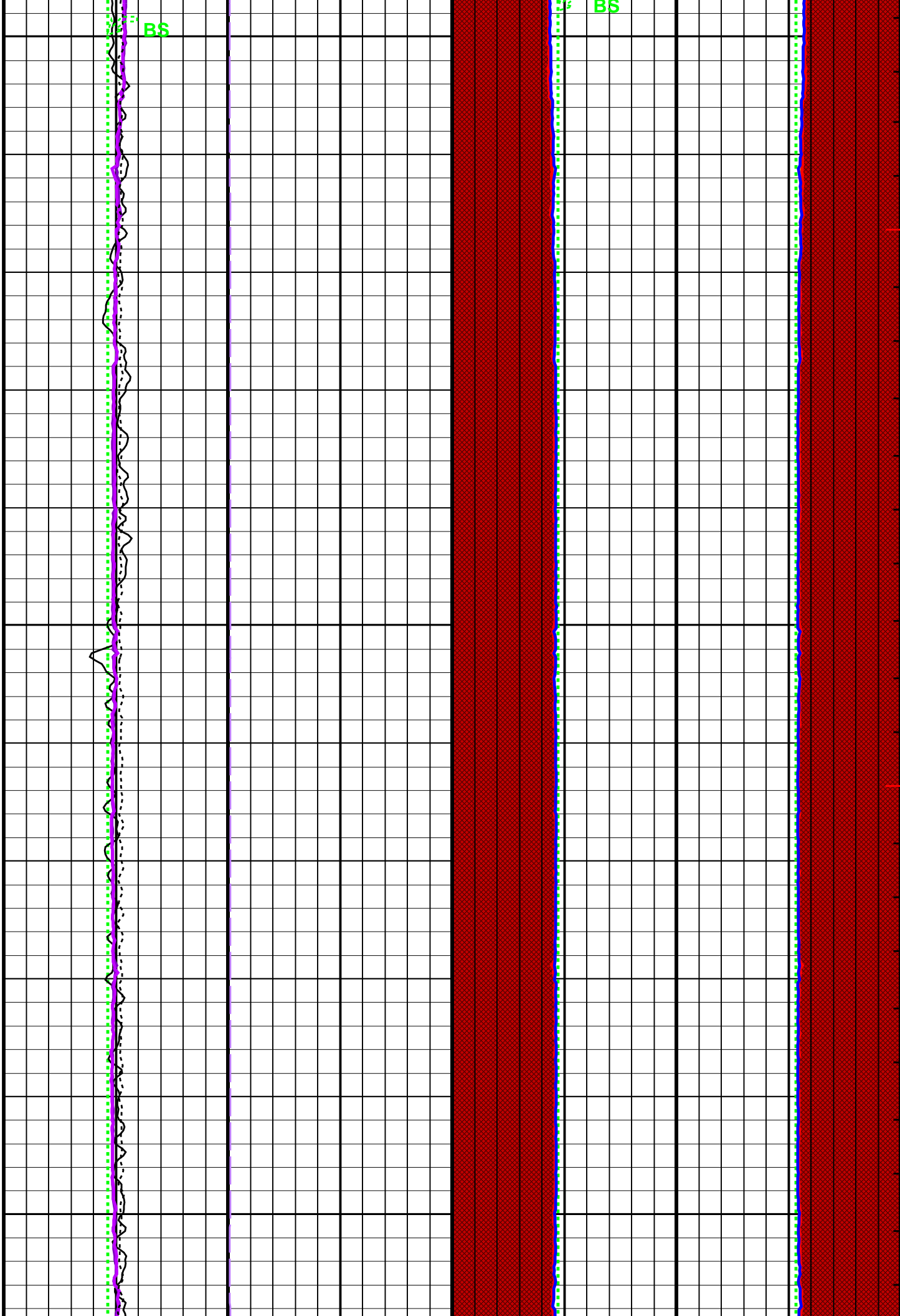
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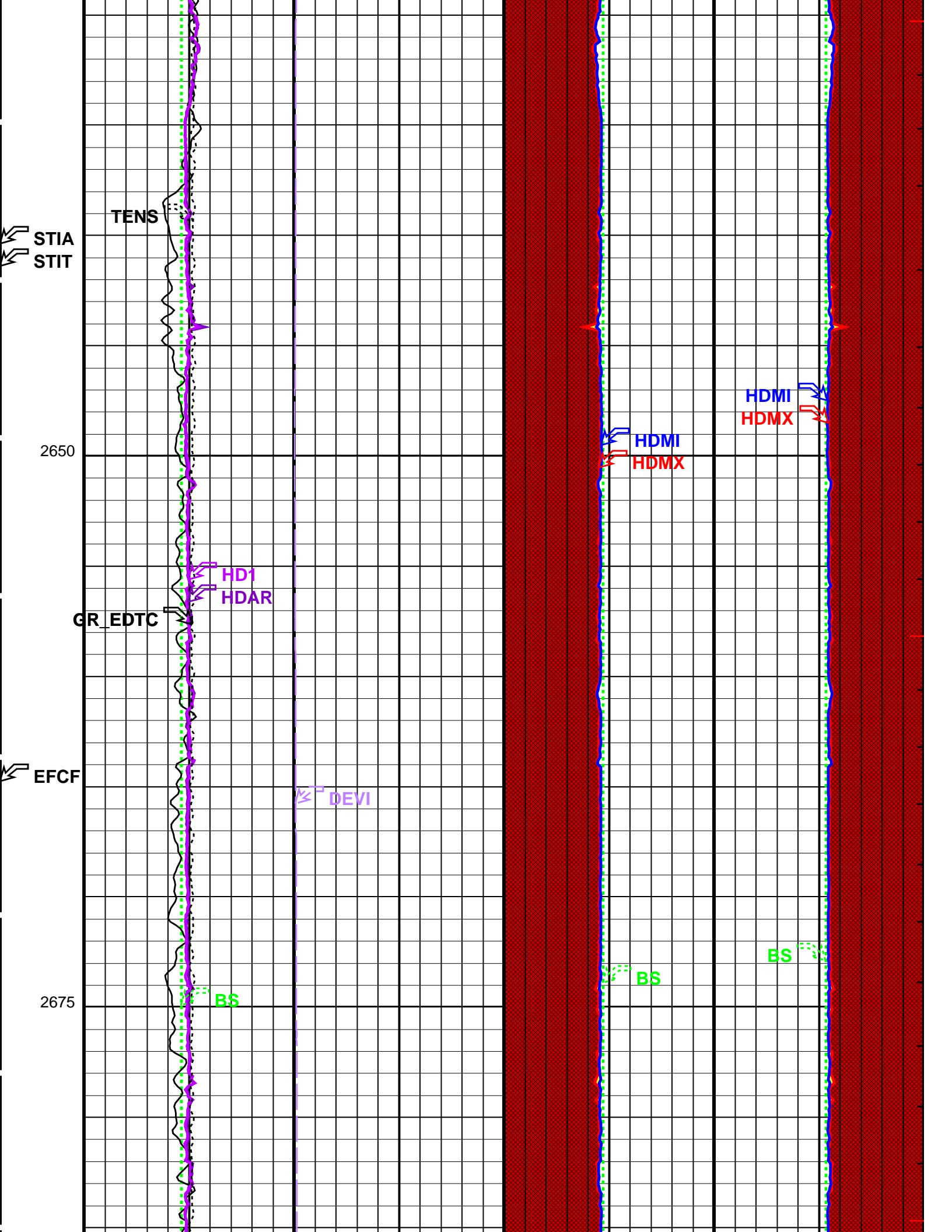
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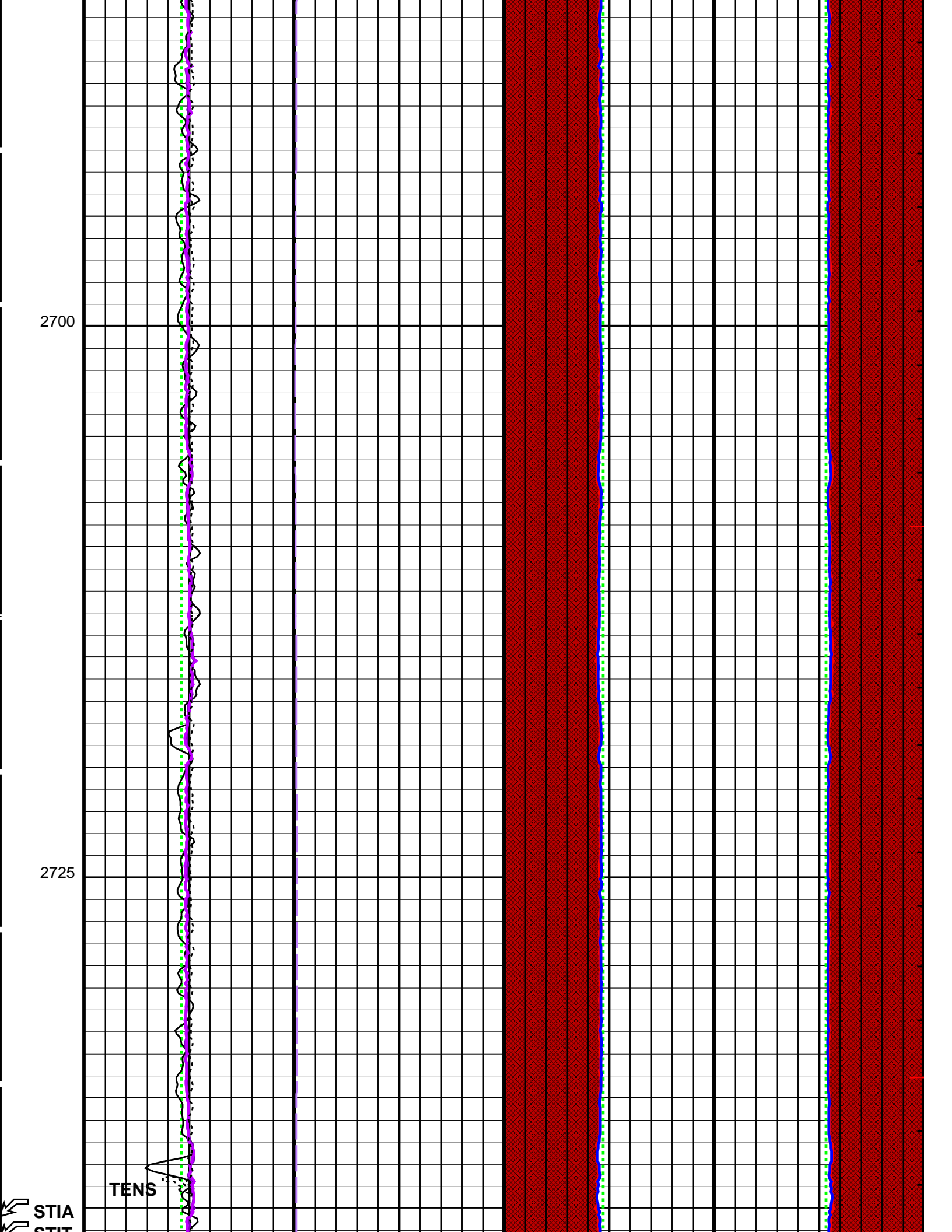
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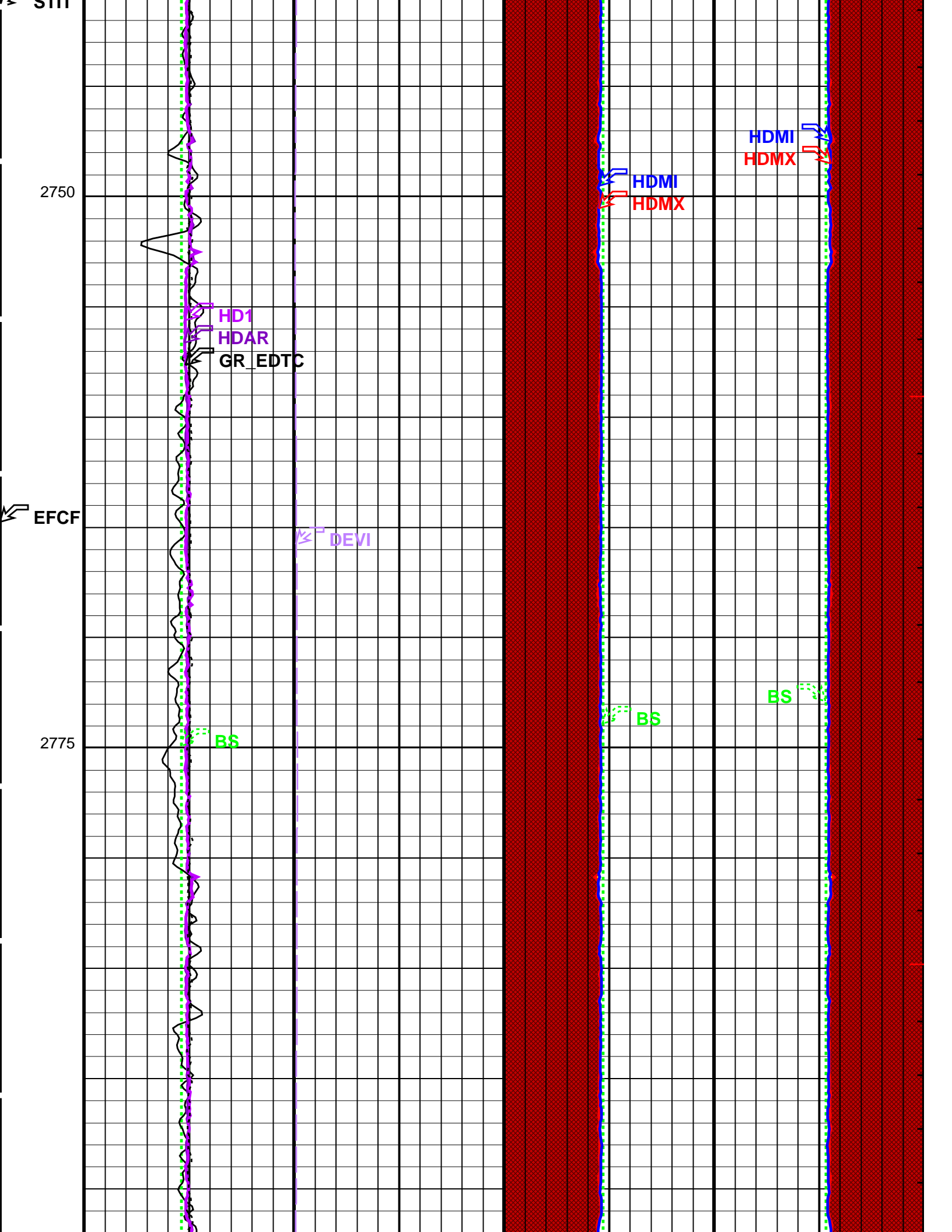
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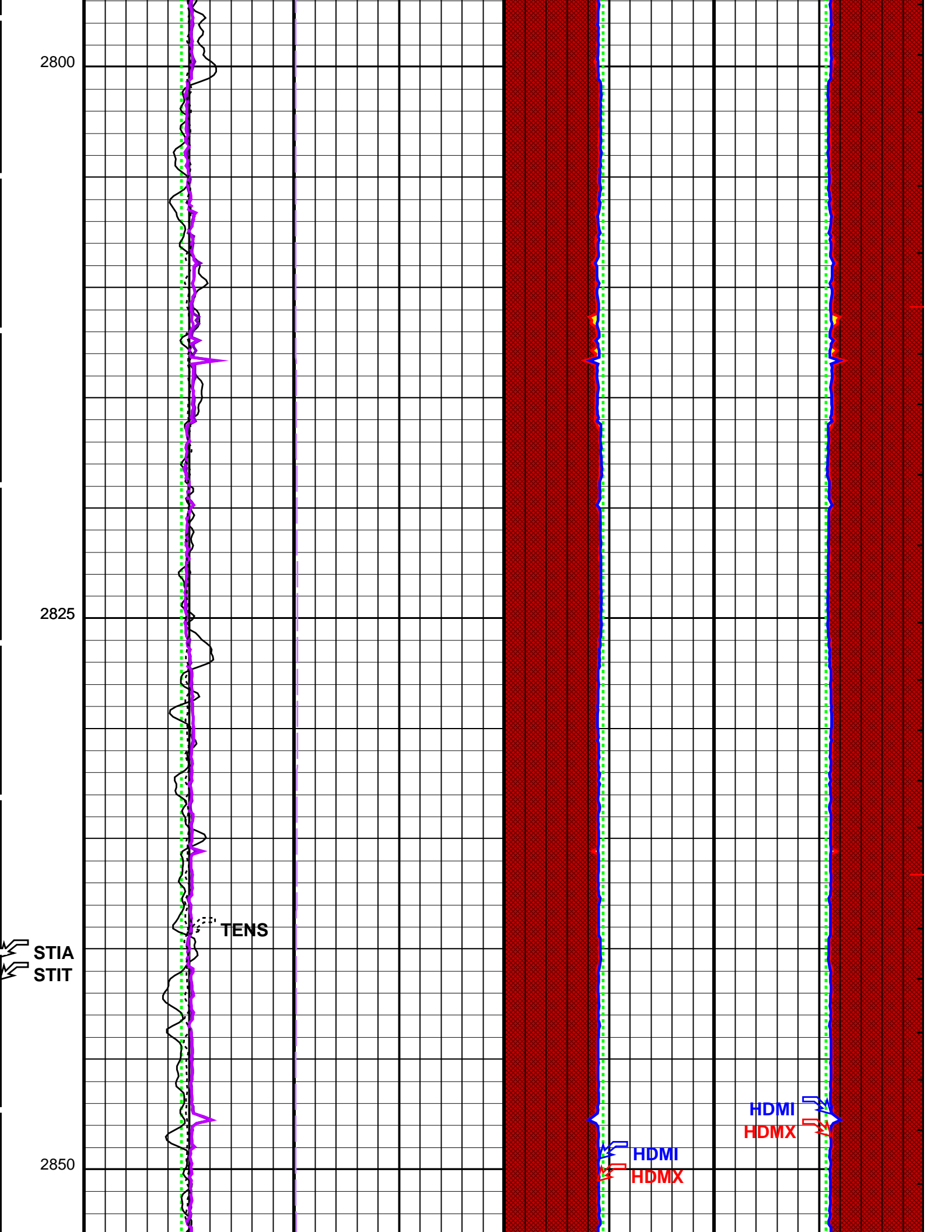
BS



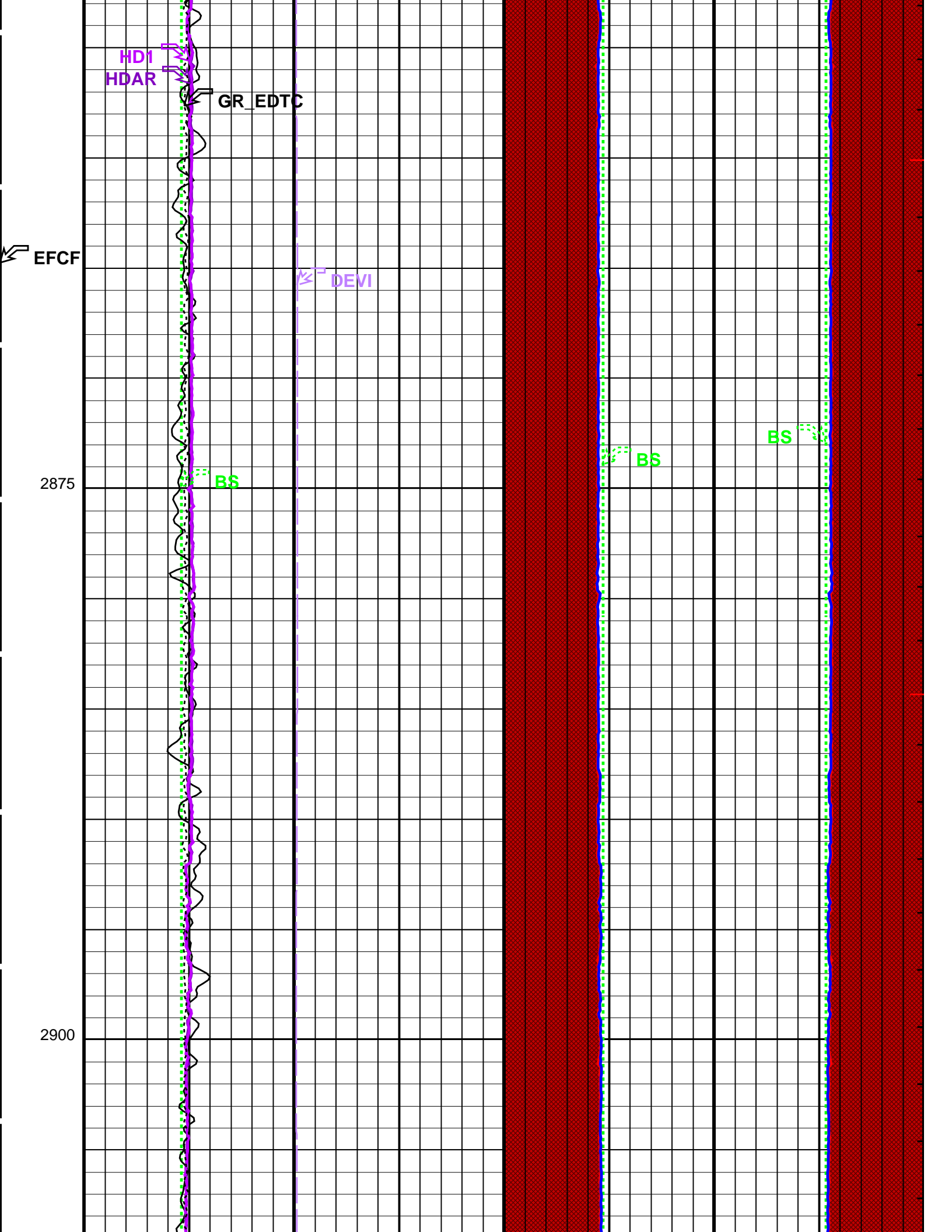


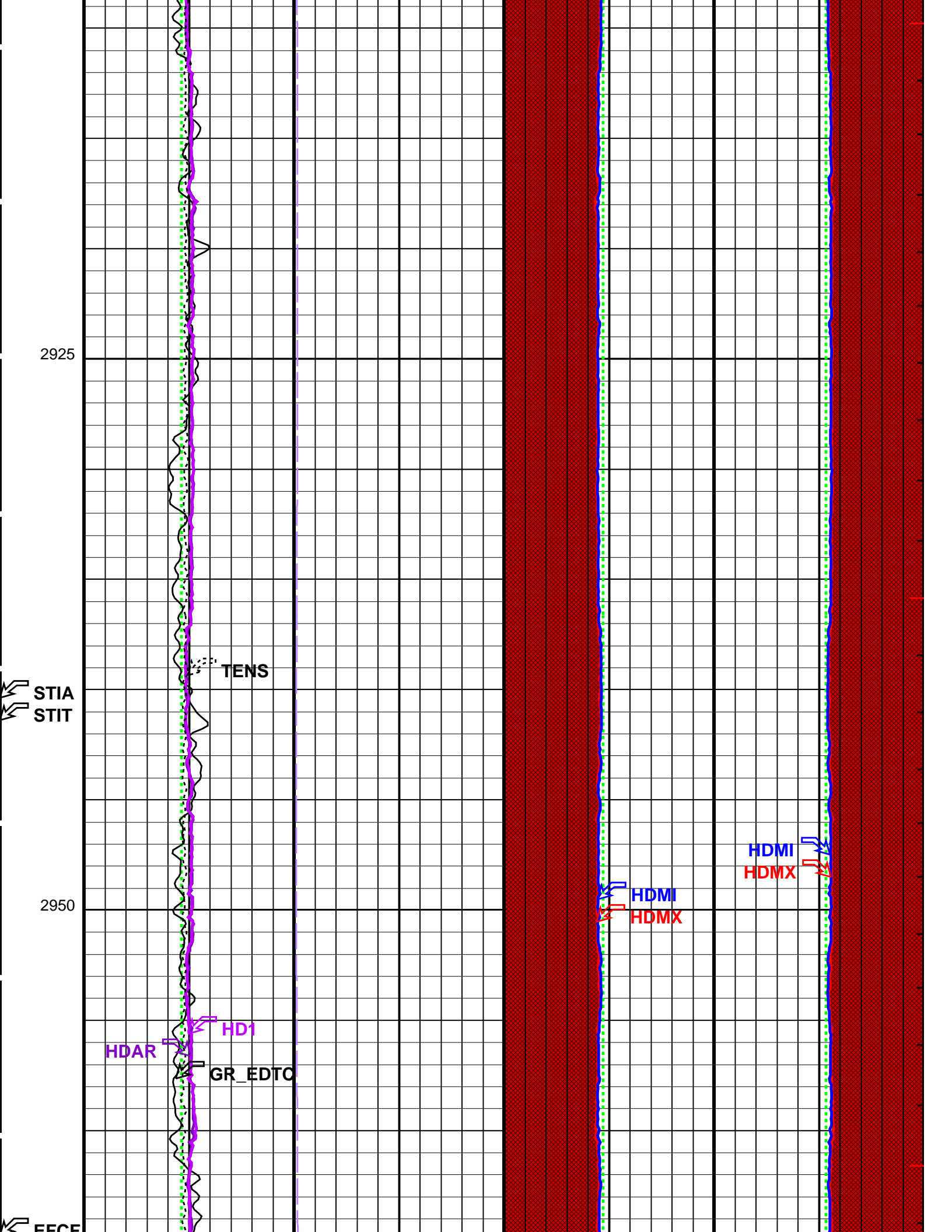












ET 01

2975

3000

$\mu^+$  DEVI

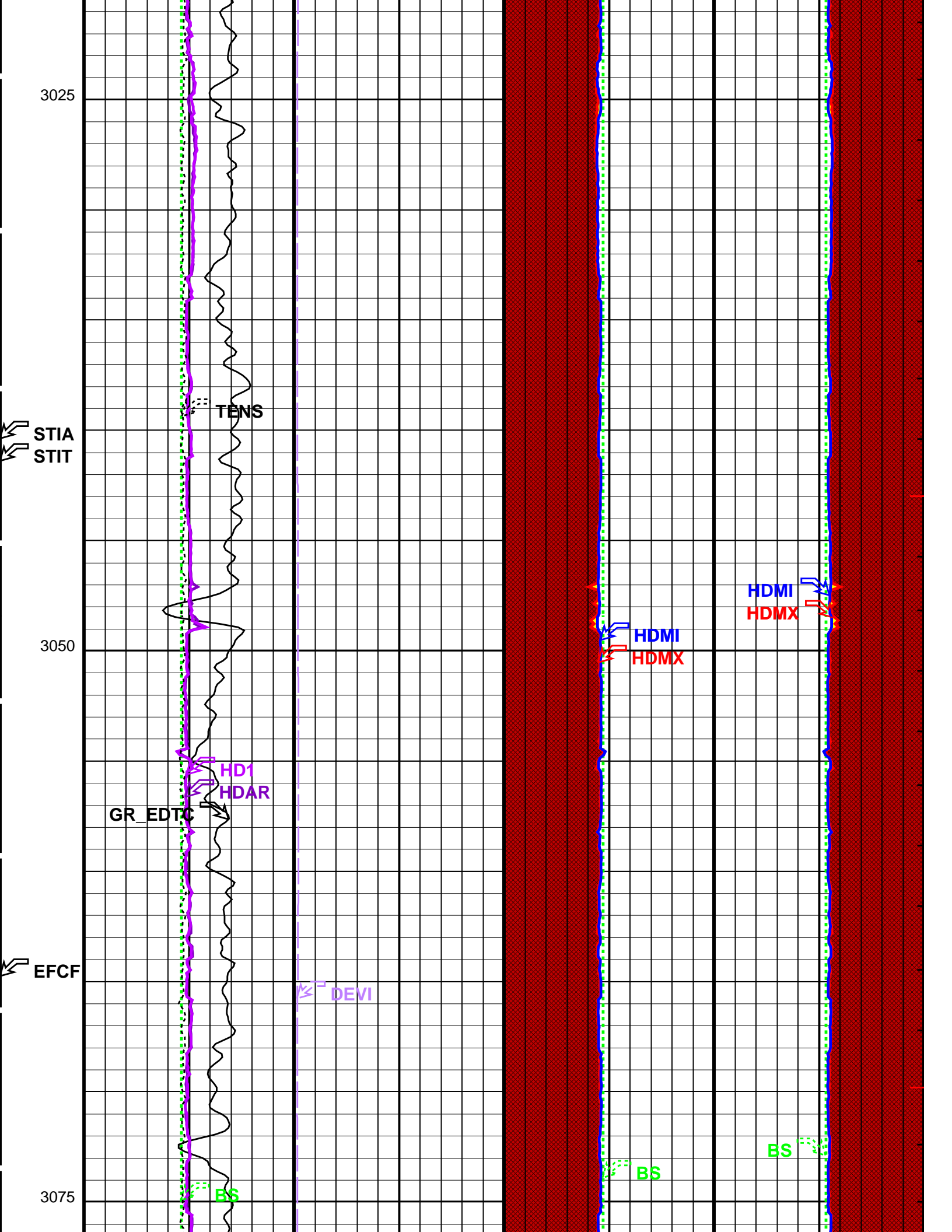
BS

BS

BS

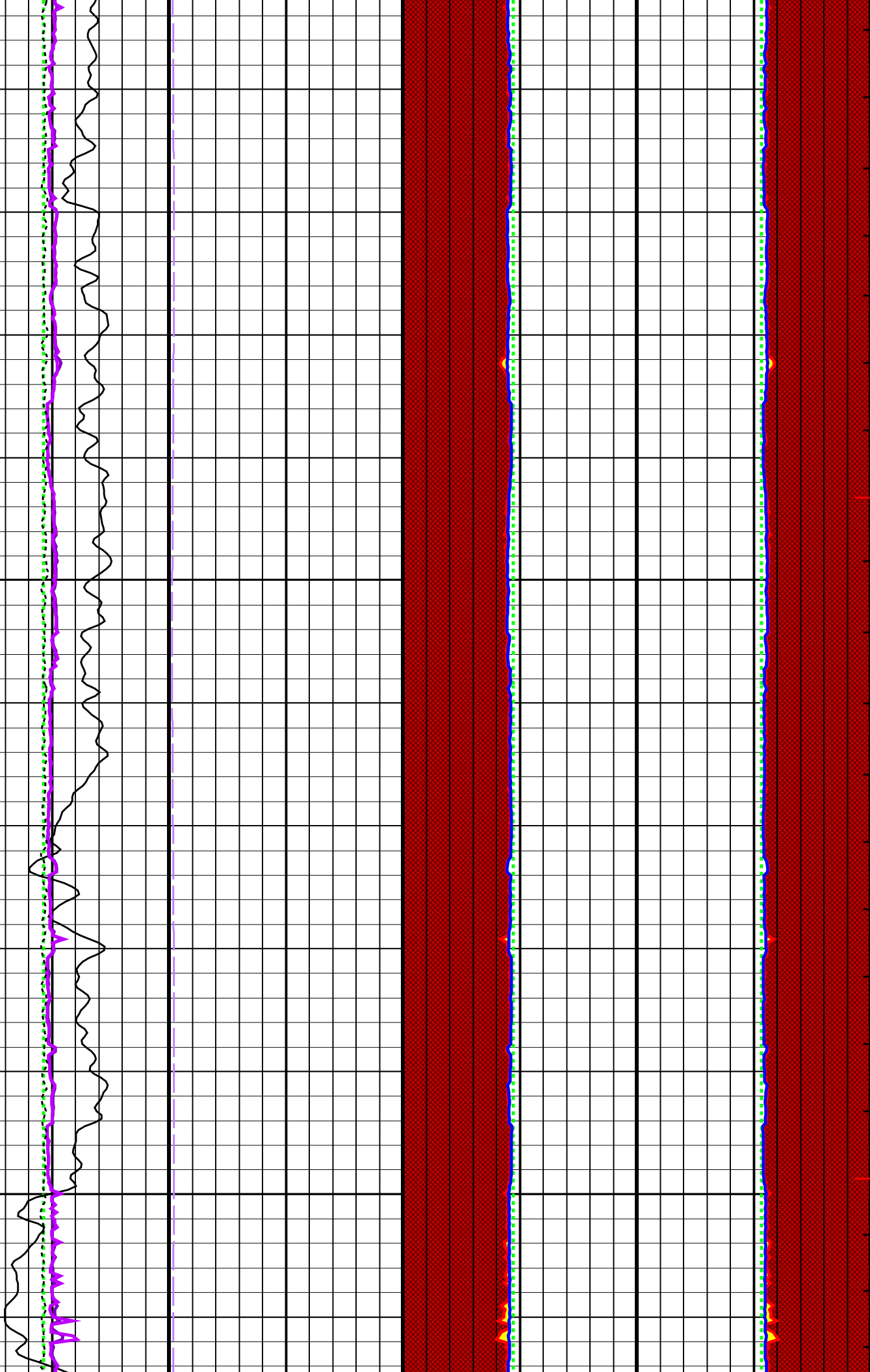


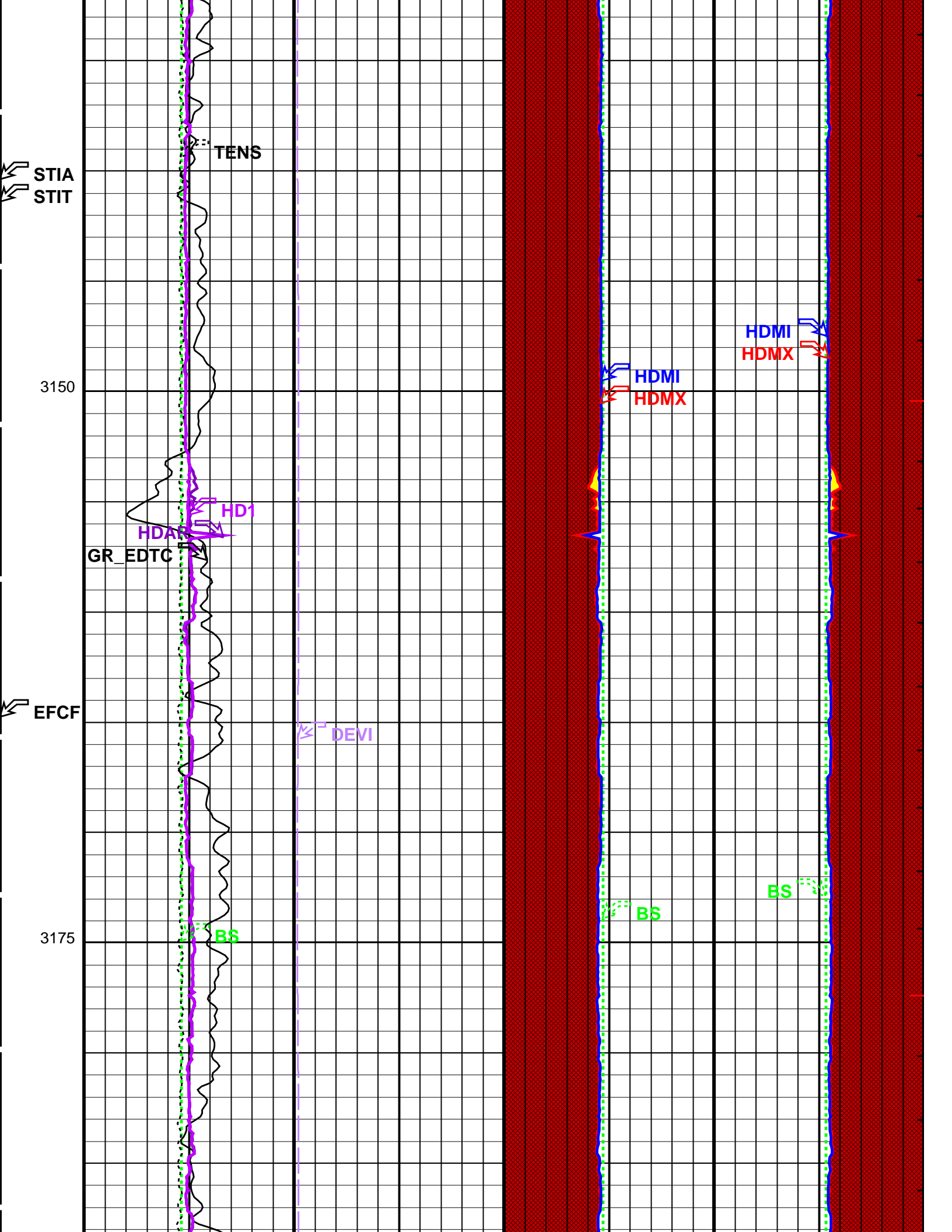


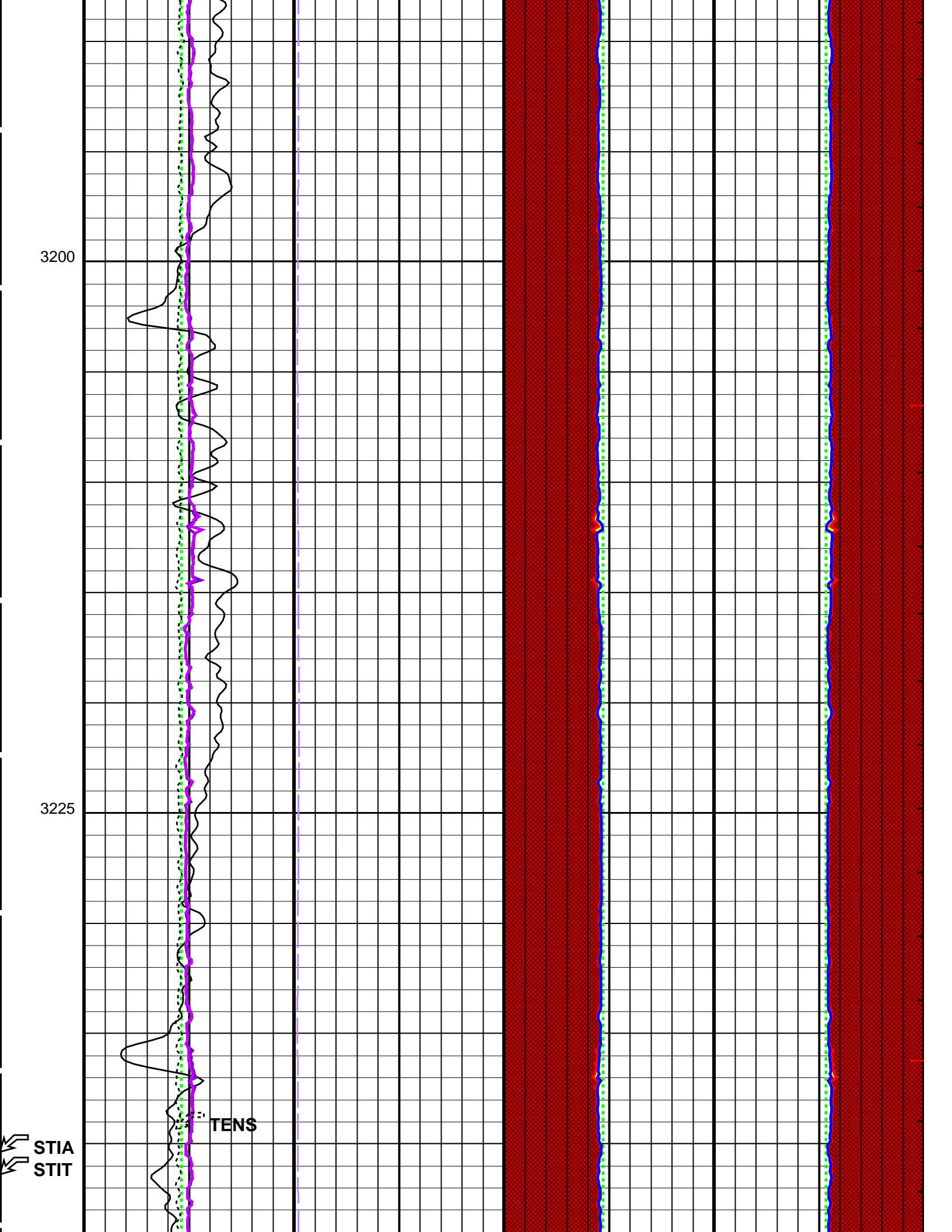


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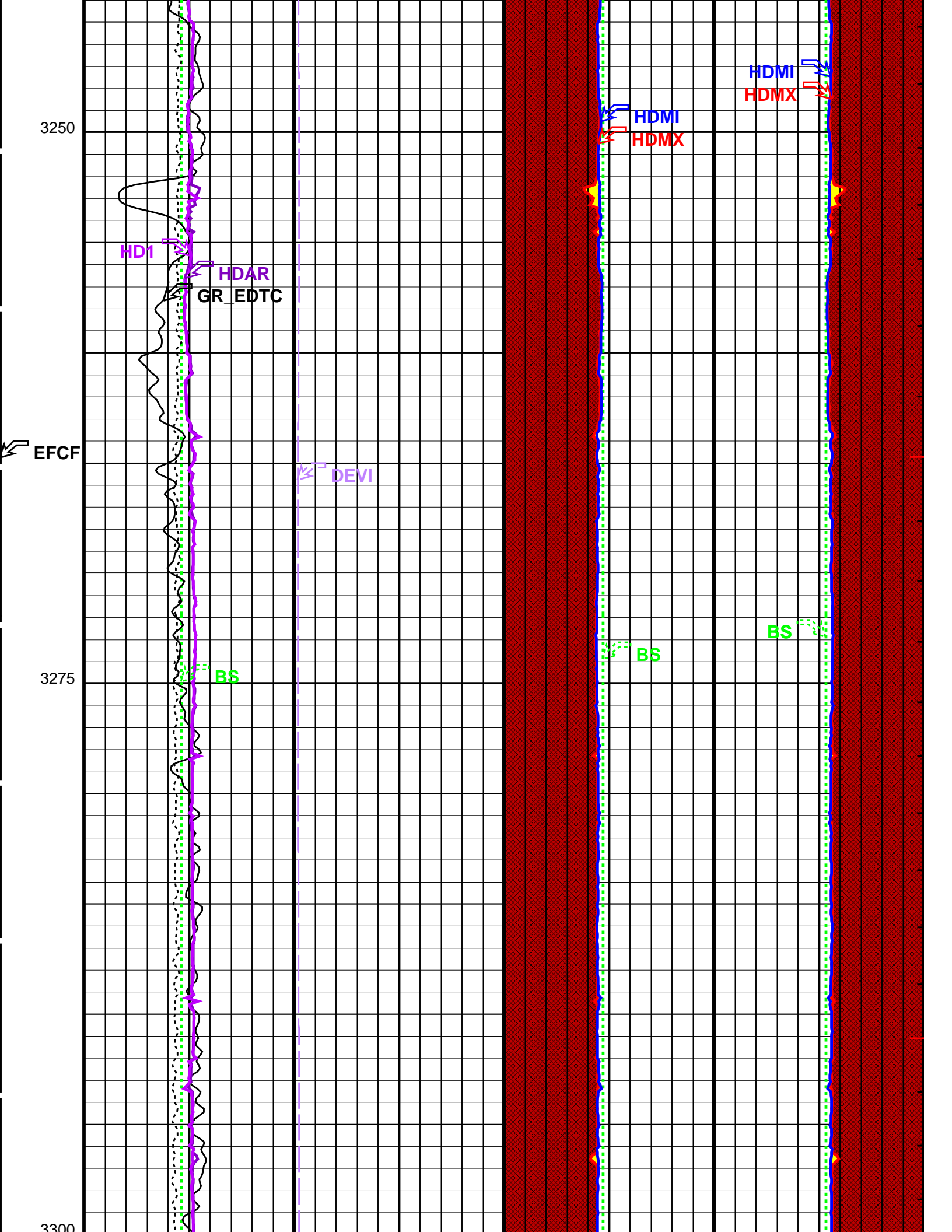
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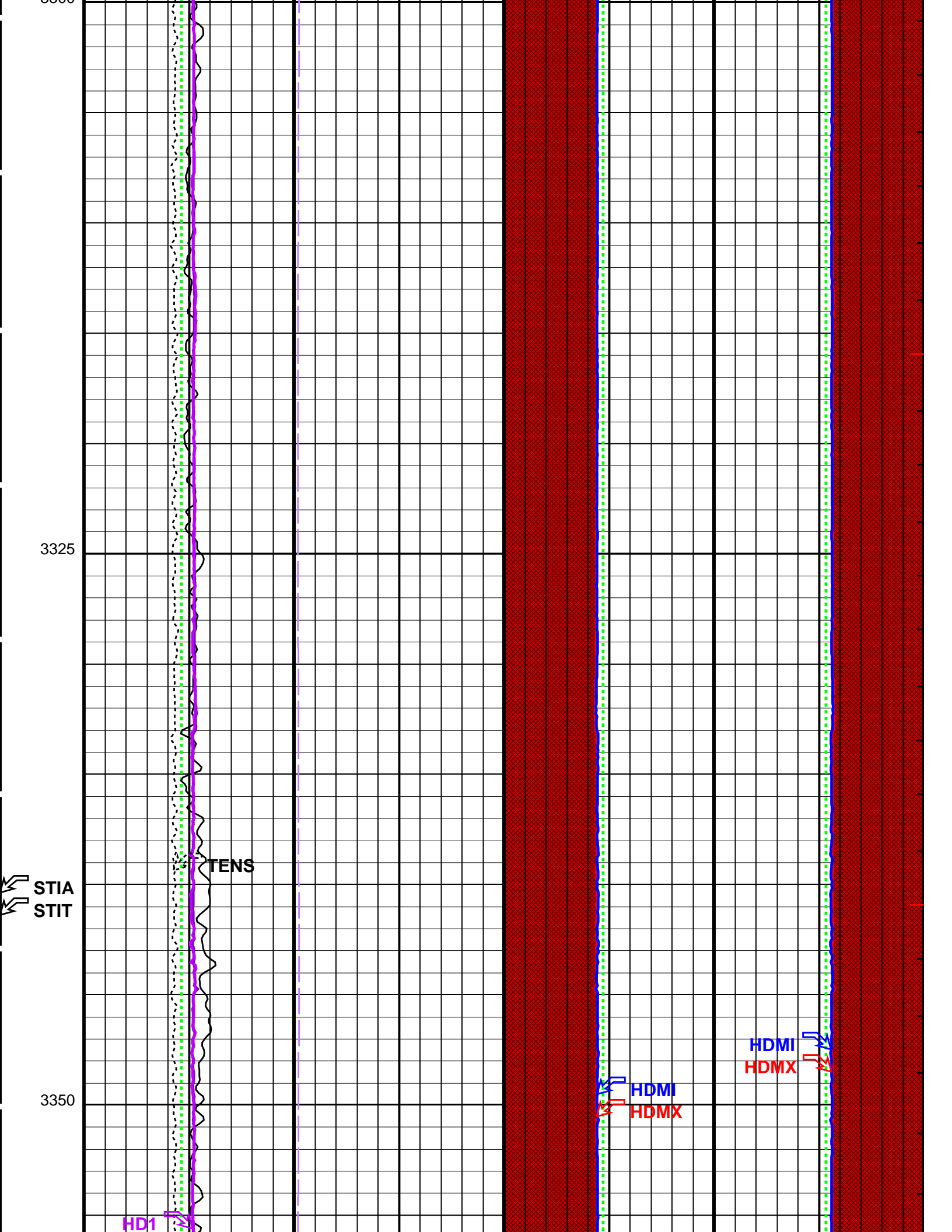


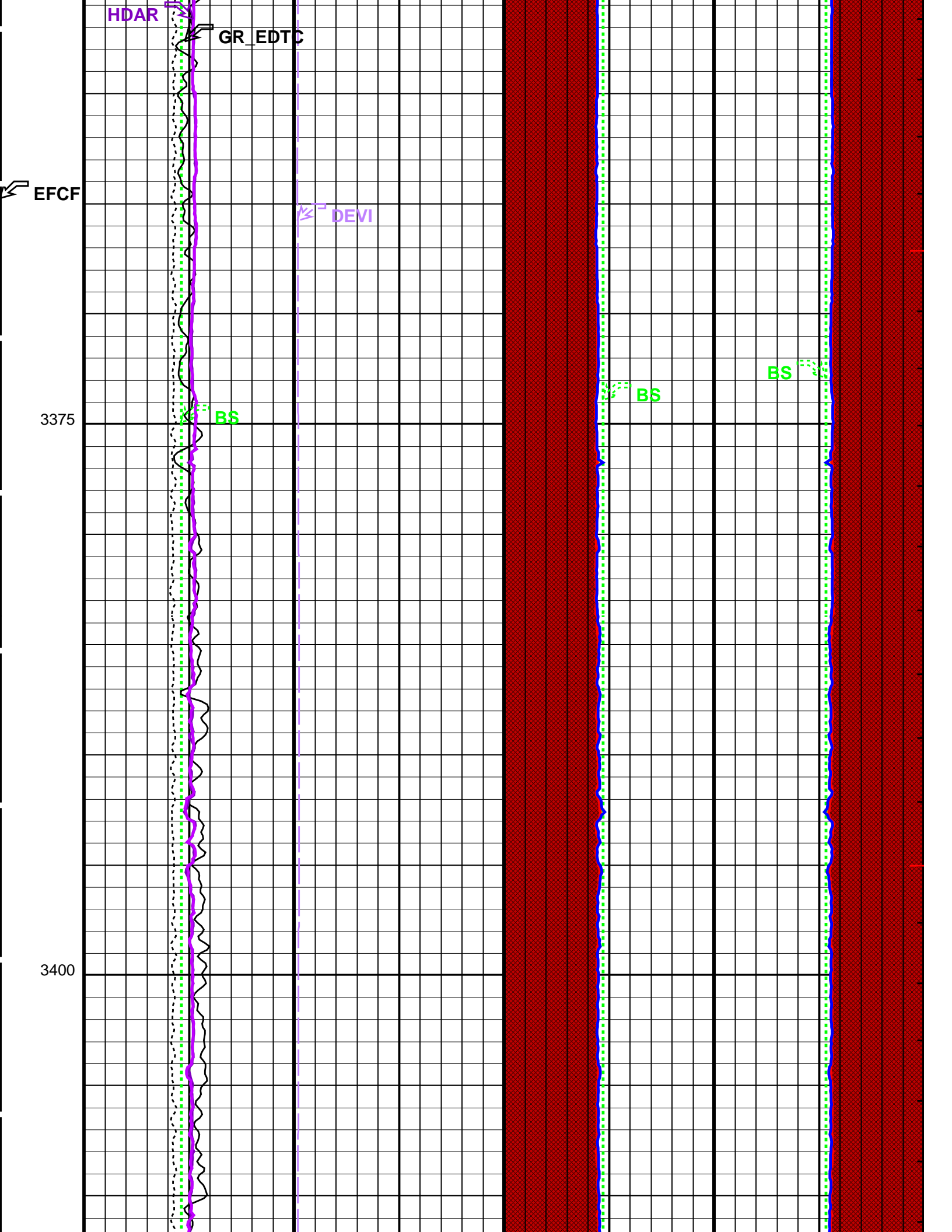


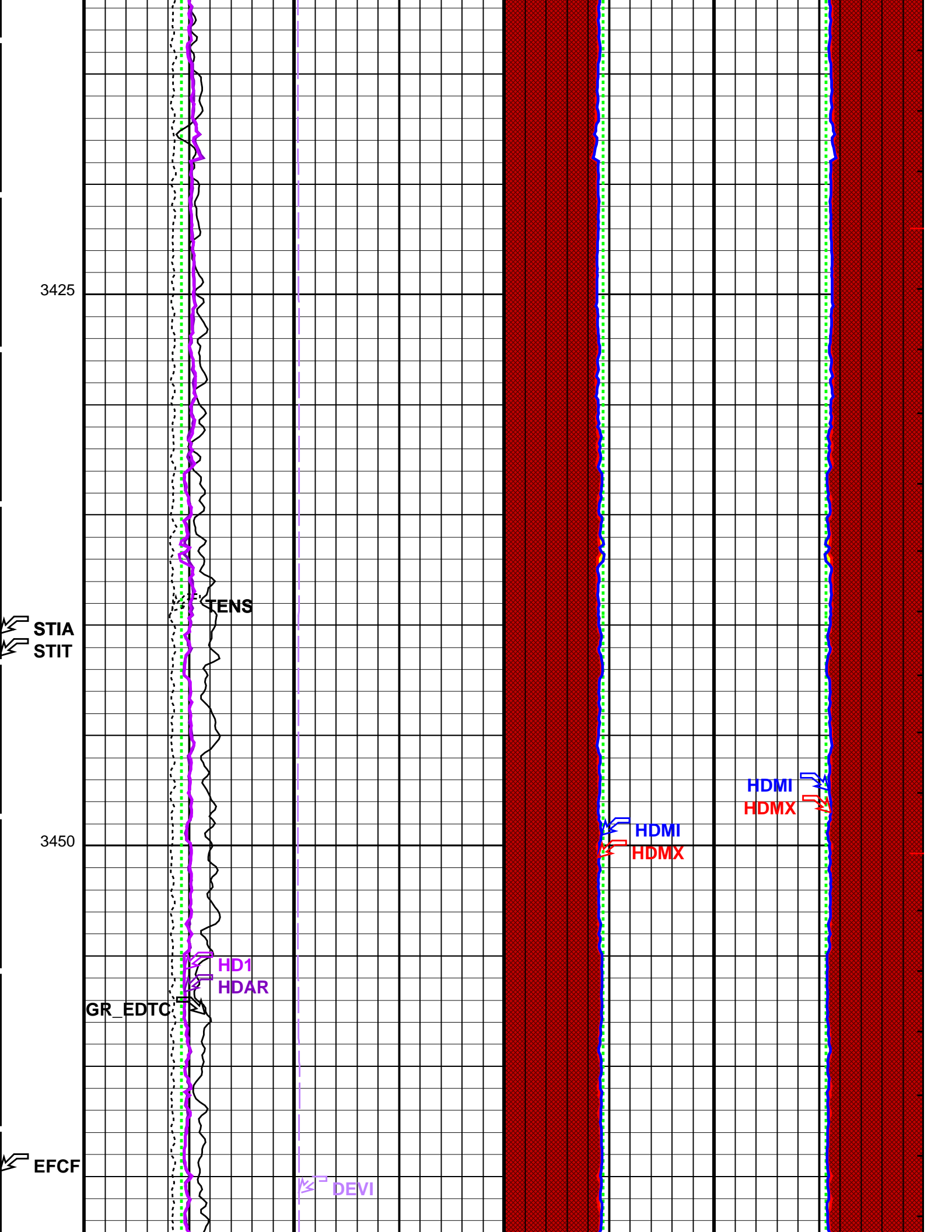














3475

3500

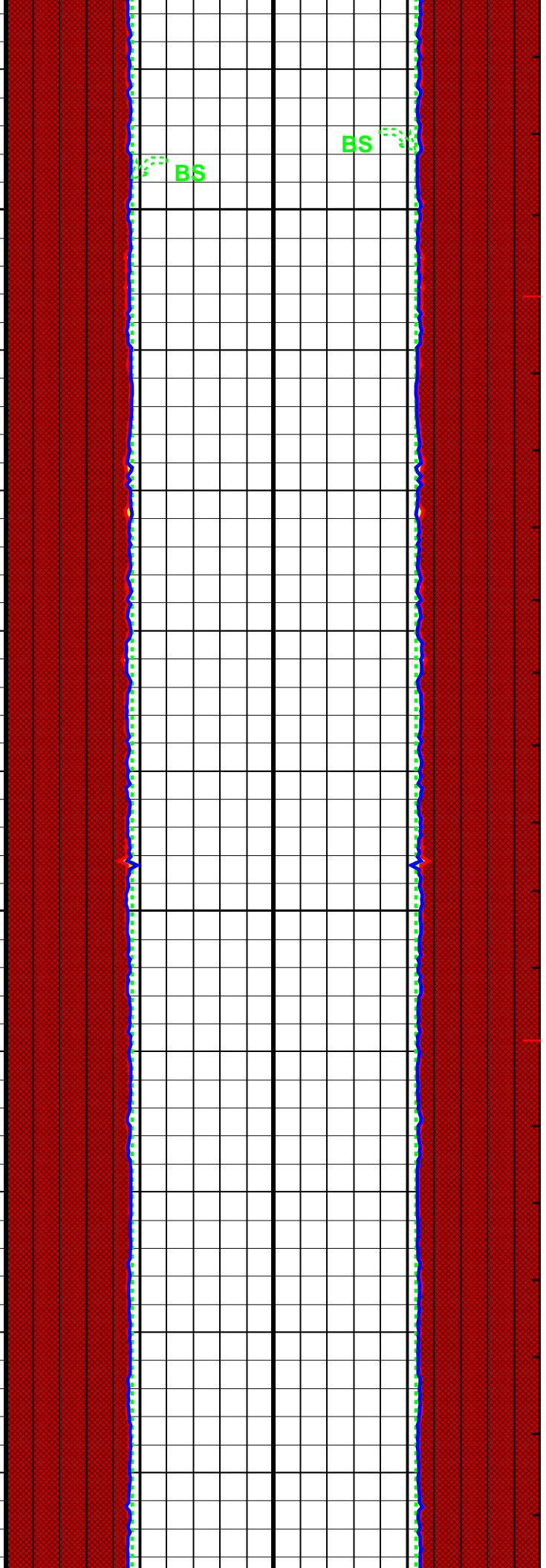


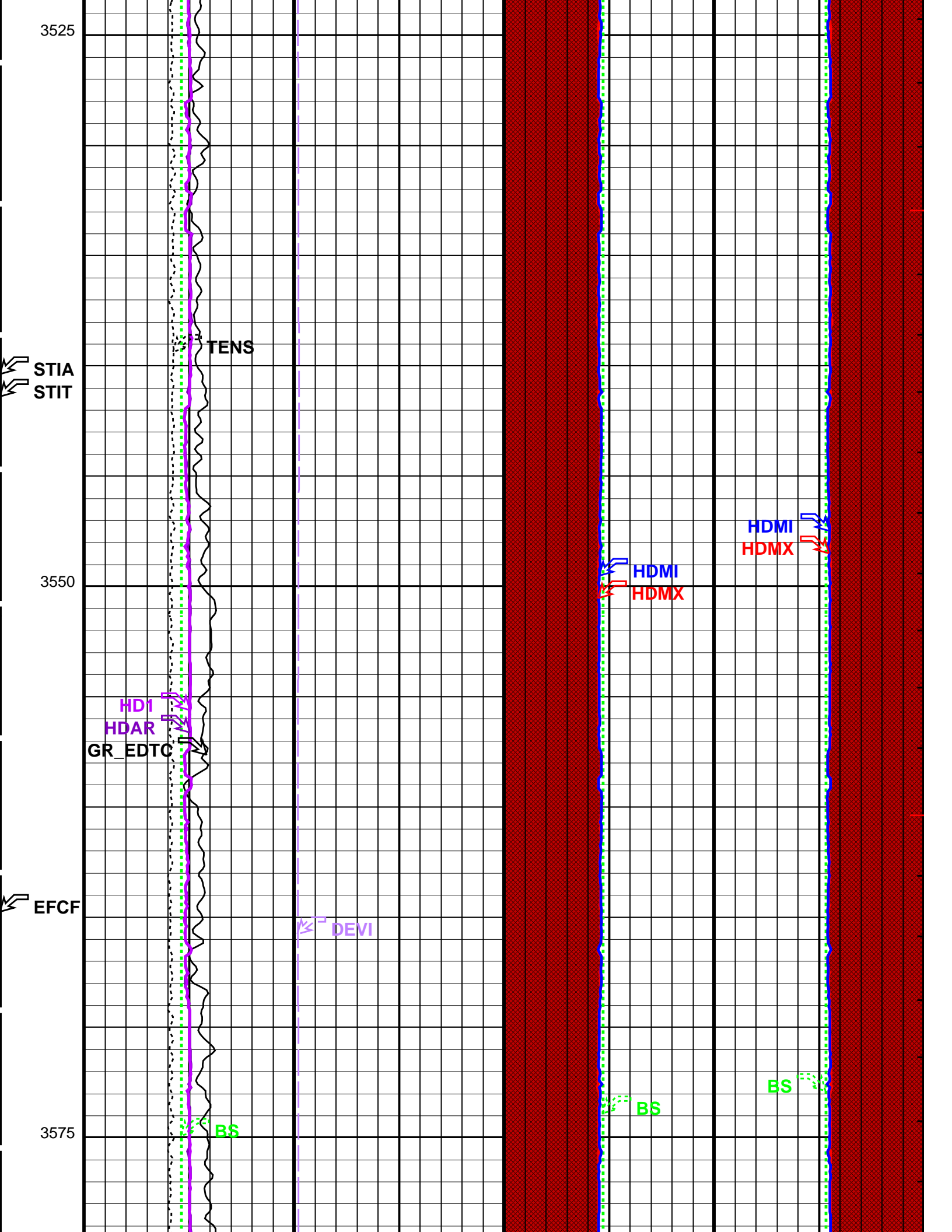
BS

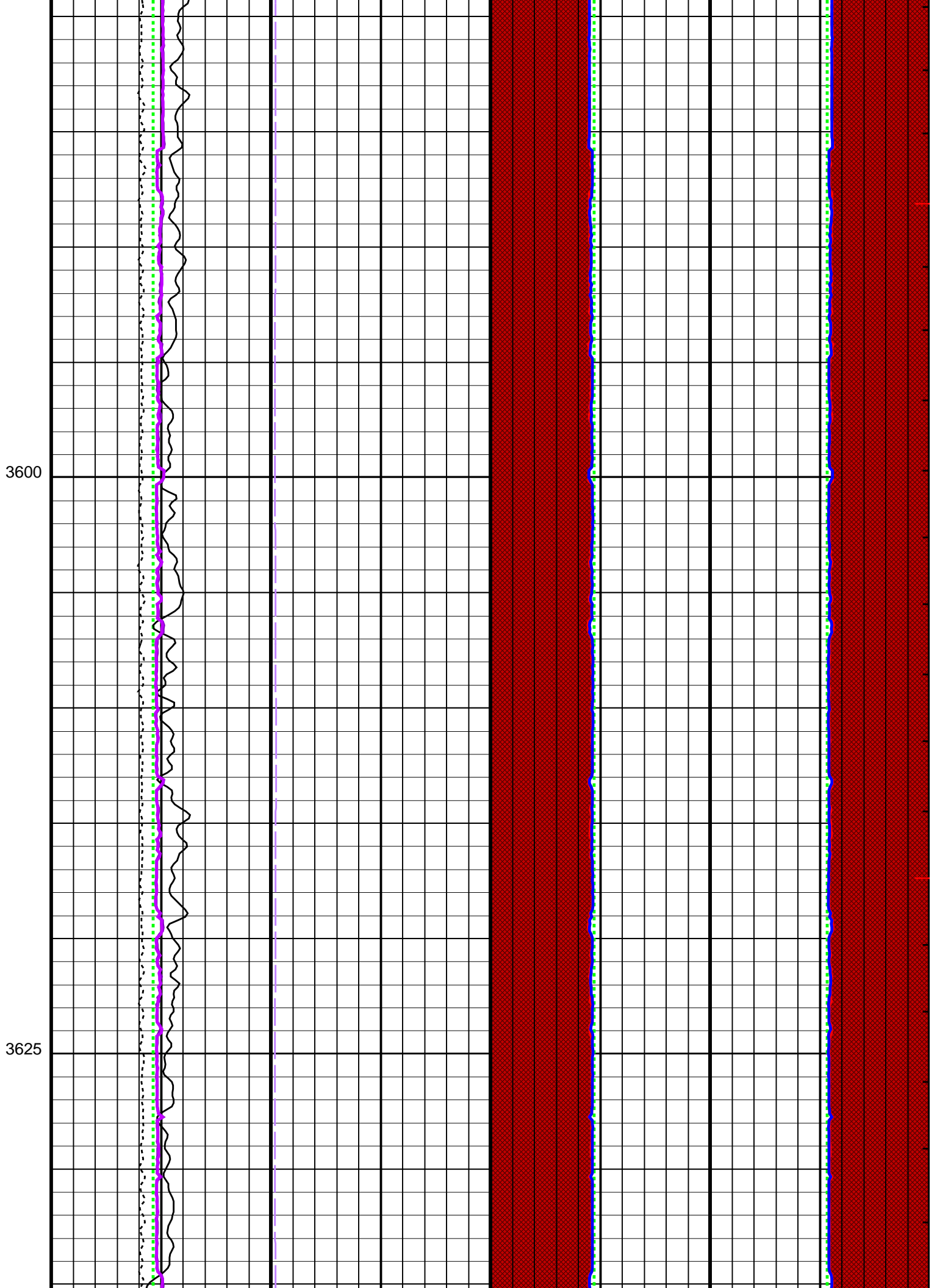
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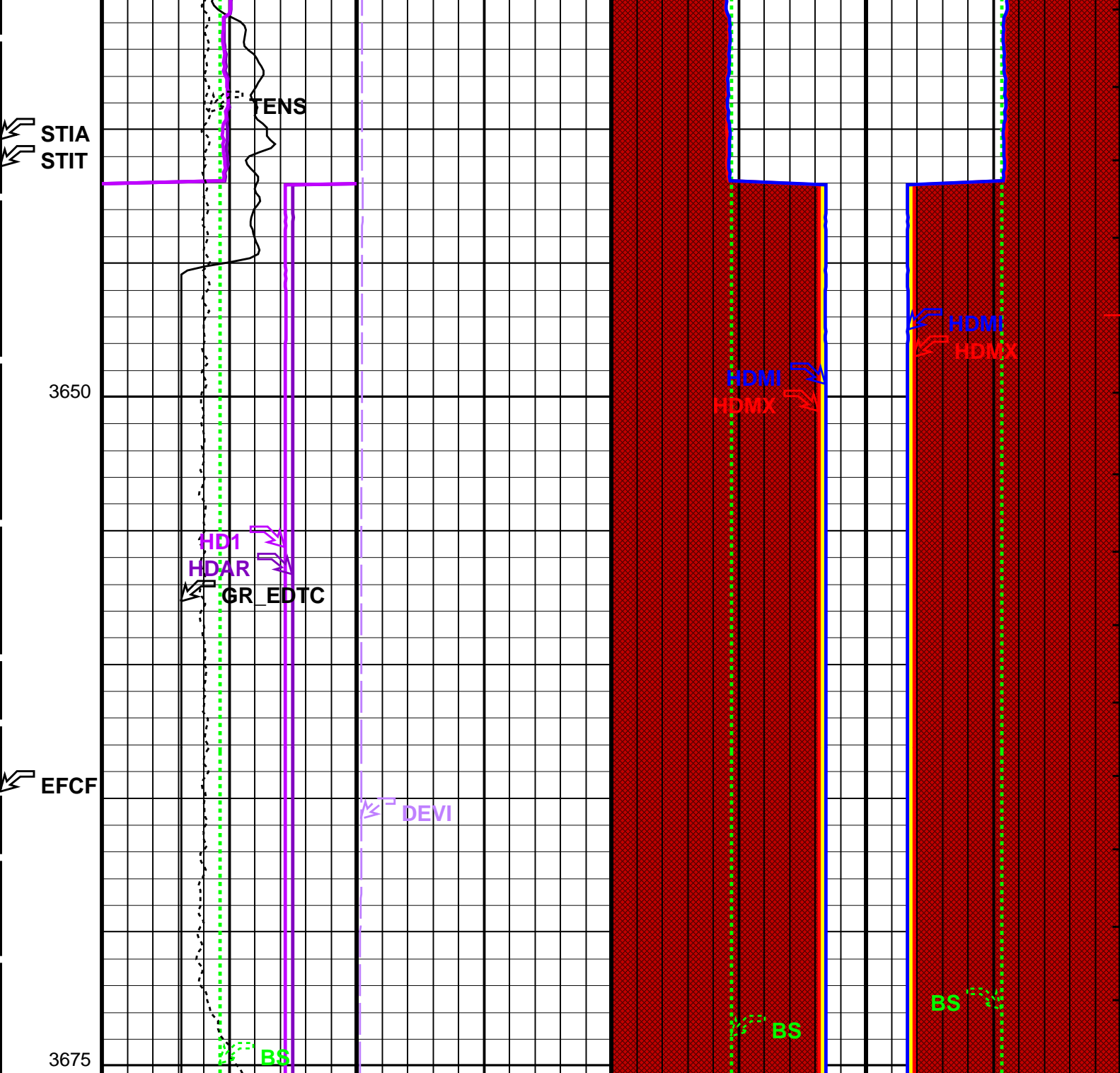
BS

BS







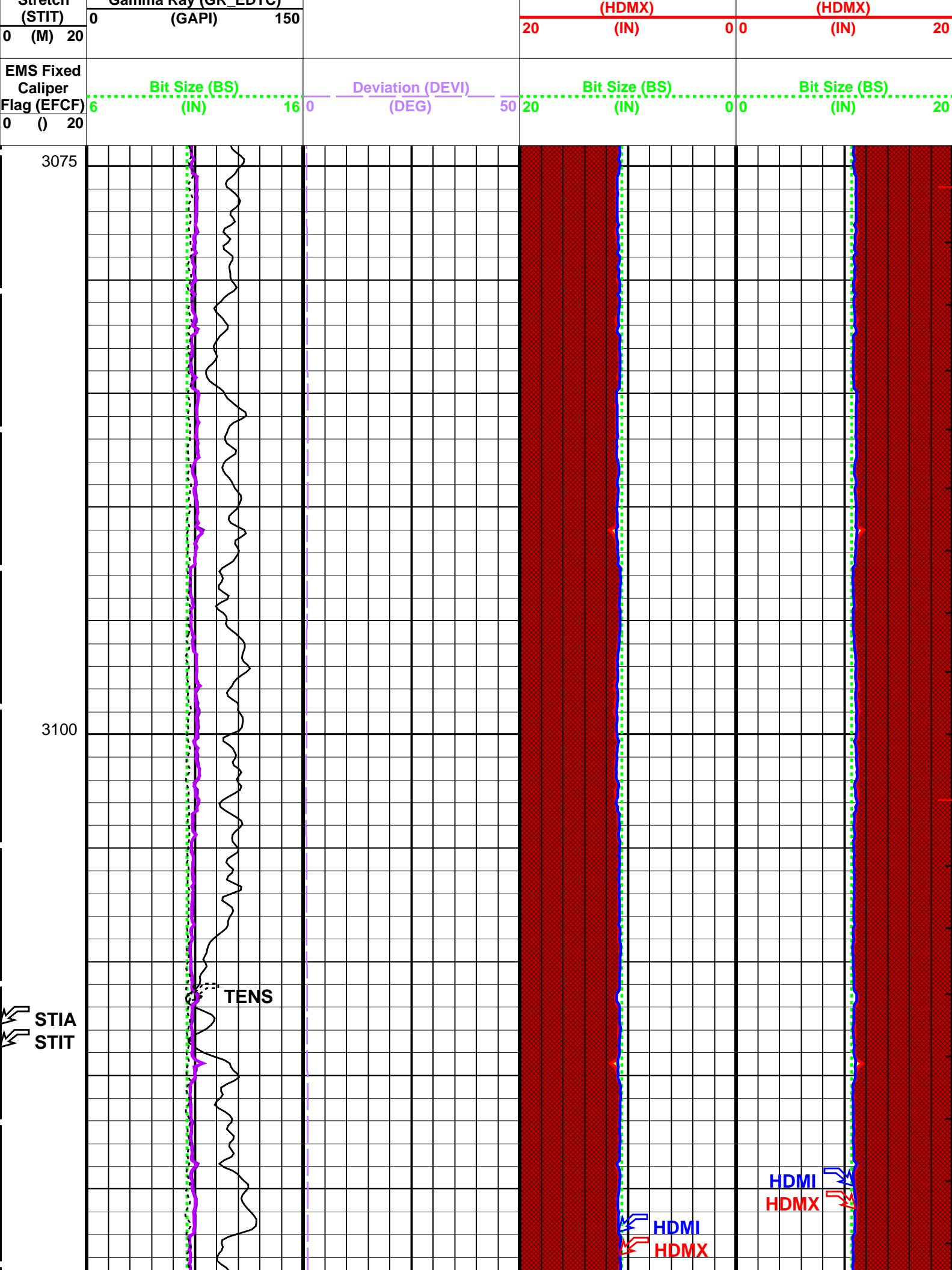


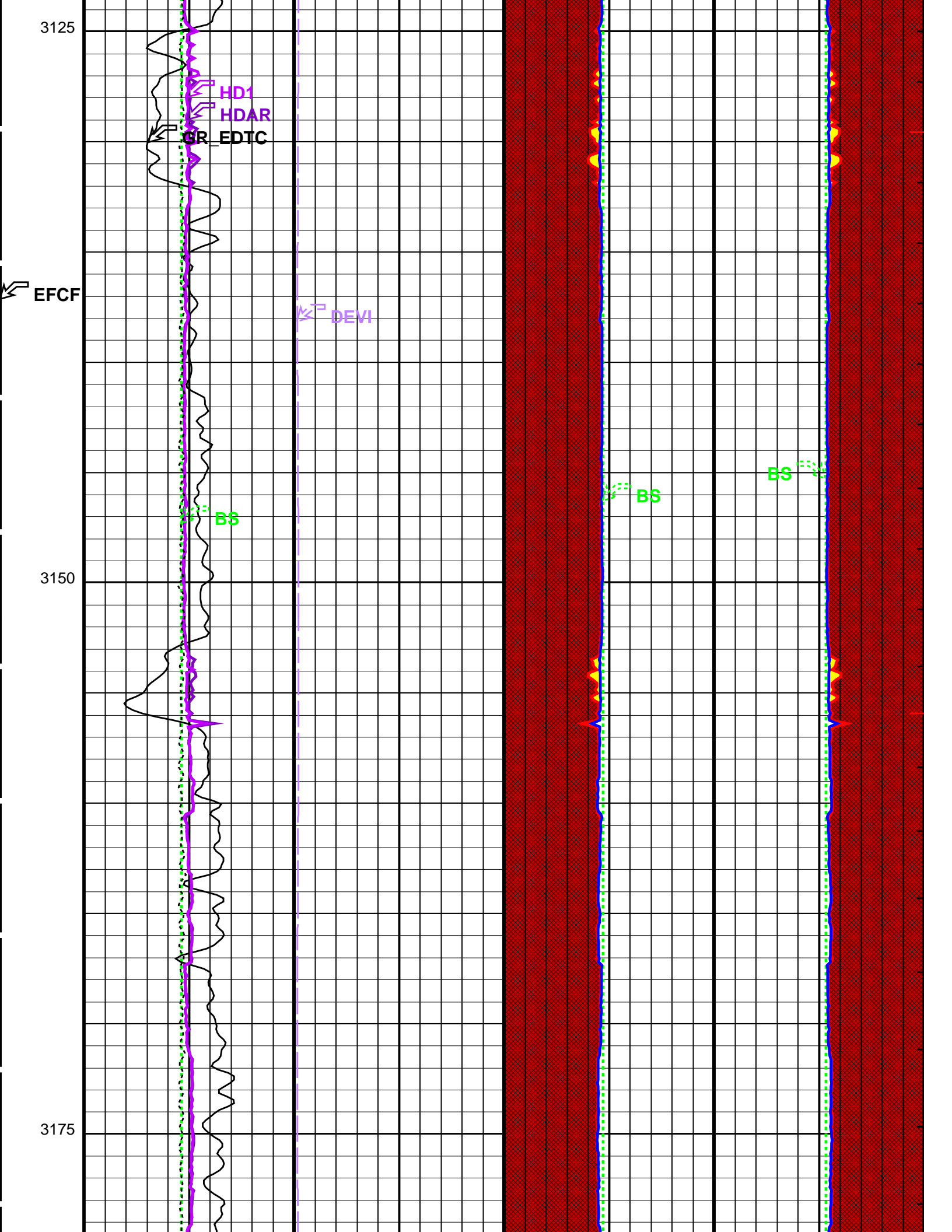
EMS Fixed Caliper Flag (EFCF) 0 ( ) 20	Bit Size (BS) (IN) 6 16	Deviation (DEVI) (DEG) 0 50	Bit Size (BS) (IN) 20 0 0	Bit Size (BS) (IN) 20
Stuck Stretch (STIT) 0 (M) 20	Gamma Ray (GR_EDTC) (GAPI) 0 150		Hole Diameter Maximum (HDMX) (IN) 20 0 0	Hole Diameter Maximum (HDMX) (IN) 20
Cable Drag From D4T to STIT	Hole Diameter from Area (HDAR) (IN) 6 16		Hole Diameter Minimum (HDMI) (IN) 20 0 0	Hole Diameter Minimum (HDMI) (IN) 20
Tool/Tot. Drag From D4T to STIA	Hole Diameter 1 (HD1) (IN) 6 16		HD difference From HDMX_1 to HDMI_1	HD difference From HDMI_2 to HDMX_2

Fixed caliper flag From D4T to EFCF	Tension (TENS) (LBF) 100000	Formation From F3 to HDMX_1	Formation From HDMX_2 to F4
Probability angle for HDMI From D4T to CHAM			
Probability Angle for HDMI (CHAM) (DEG)	90240		
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			
Integrated Transit Time Minor Pip Every 1 MS			
Integrated Transit Time Major Pip Every 10 MS			
Time Mark Every 60 S			
Parameters			
DLIS Name	Description	Value	
SOFF	FBST-B: Full-Bore Scanner – B Standoff	0	IN
ITTS	DSST-B: Dipole Shear Imager – B Integrated Transit Time Source	DTCO	
EFC	EMS-B: Environment Measurement Sonde EMS Fixed Caliper Operation	OFF	
ESCL	EMS Synthetic Caliper Log	OFF	
FCD	Future Casing (Outer) Diameter	9.625	IN
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
FCD	HOLEV: Integrated Hole/Cement Volume Future Casing (Outer) Diameter	9.625	IN
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
LBFR	STI: Stuck Tool Indicator Trigger for MAXIS First Reading Label	STI	
STKT	STI Stuck Threshold	0.762	M
TDD	Total Depth – Driller	3674.50	M
TDL	Total Depth – Logger	3672.00	M
BS	System and Miscellaneous Bit Size	10.625	IN
DO	Depth Offset for Playback	2.5	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	NORMAL	
TD	Total Depth	2453.5	M
Format: EMS_HoleDiameter Vertical Scale: 1:200 Graphics File Created: 16-Sep-2012 01:59			
OP System Version: 19C1-222			
FBST-B	19C1-222	DSST-B	19C1-222
EMS-B	19C1-222	PPC2	19C1-222
EDTC-B	19C1-222	DTPC-A	19C1-222
Input DLIS Files			
DEFAULT	FMI_DSI_EMS_CAL_027LUP	FN:53 PRODUCER	10-Sep-2012 20:36 3672.8 M 2446.3 M
Output DLIS Files			
DEFAULT	FMI_DSI_EMS_CAL_189PUP	FN:491 PRODUCER	16-Sep-2012 01:59
CLIENT	FMI_DSI_EMS_CAL_189PUC	FN:492 CUSTOMER	16-Sep-2012 01:59

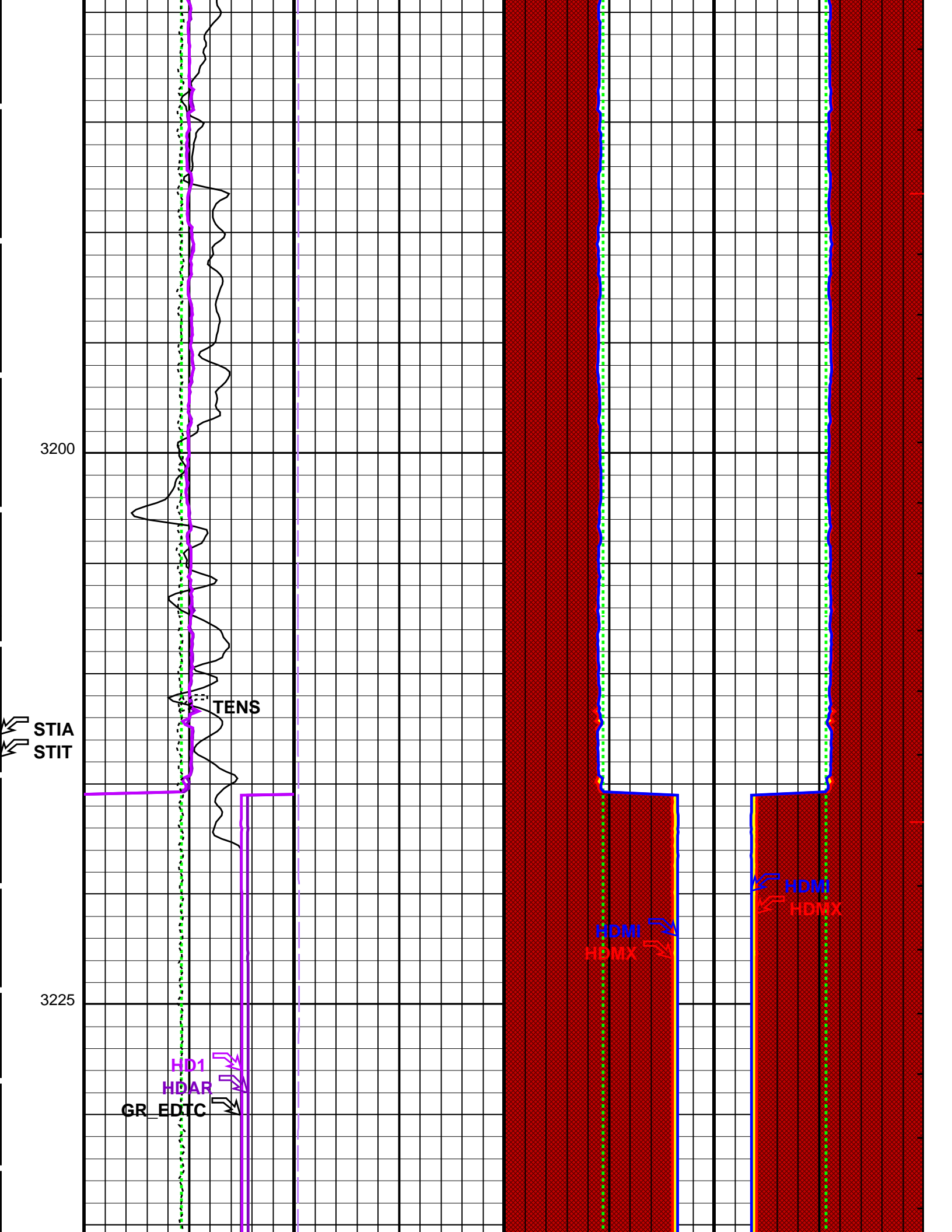


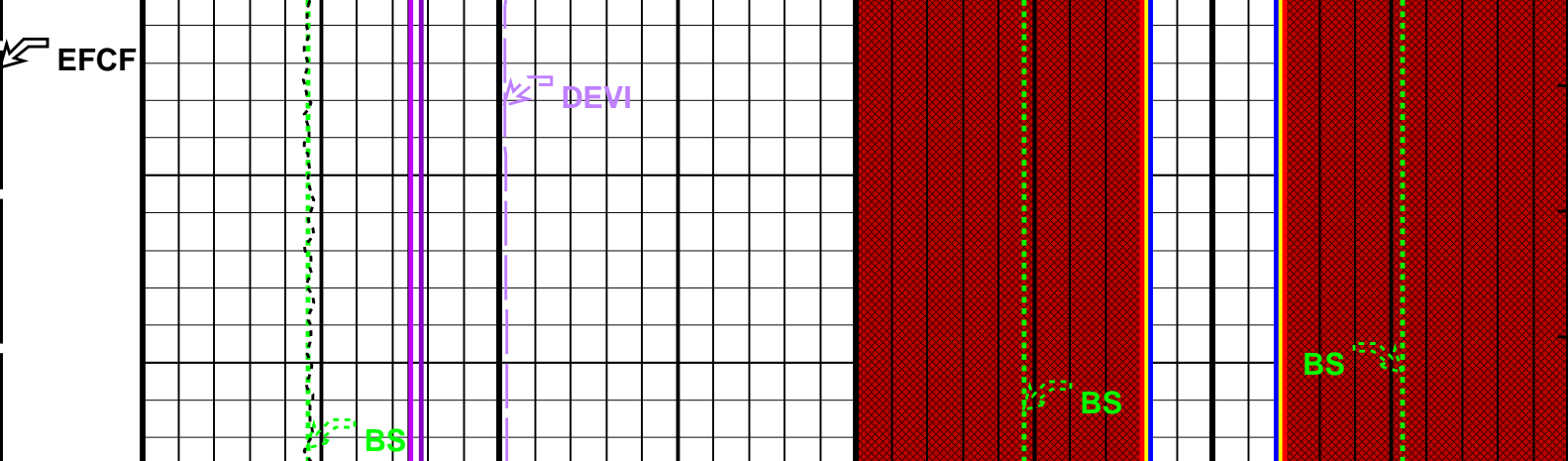
## Repeat Section 1:200











EMS Fixed Caliper Flag (EFCF) 0 ( ) 20	Bit Size (BS) (IN) 6 16	Deviation (DEVI) (DEG) 0 50	Bit Size (BS) (IN) 20 0 0	Bit Size (BS) (IN) 0 20
Stuck Stretch (STIT) 0 (M) 20	Gamma Ray (GR_EDTC) (GAPI) 0 150		Hole Diameter Maximum (HDMX) (IN) 20 0 0	Hole Diameter Maximum (HDMX) (IN) 0 20
Cable Drag From D4T to STIT	Hole Diameter from Area (HDAR) (IN) 6 16		Hole Diameter Minimum (HDMI) (IN) 20 0 0	Hole Diameter Minimum (HDMI) (IN) 0 20
Tool/Tot. Drag From D4T to STIA	Hole Diameter 1 (HD1) (IN) 6 16		HD difference From HDMX_1 to HDMI_1	HD difference From HDMI_2 to HDMX_2
Fixed caliper flag From D4T to EFCF	Tension (TENS) (LBF) 10000 0		Formation From F3 to HDMX_1	Formation From HDMX_2 to F4
Probability angle for HDMI From D4T to CHAM				
Probability Angle for HDMI (CHAM) (DEG) 90 240				

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				
Integrated Transit Time Minor Pip Every 1 MS └				
Integrated Transit Time Major Pip Every 10 MS └				
Time Mark Every 60 S				

Parameters		
DLIS Name	Description	Value
SOFF	FBST-B: Full-Bore Scanner - B Standoff	0 IN
ITTS	DSST-B: Dipole Shear Imager - B Integrated Transit Time Source	DTCO

EMS-B: Environment	Measurement Sonde		
EFC	EMS Fixed Caliper Operation	OFF	
ESCL	EMS Synthetic Caliper Log	OFF	
FCD	Future Casing (Outer) Diameter	9.625	IN
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
	HOLEV: Integrated Hole/Cement Volume		
FCD	Future Casing (Outer) Diameter	9.625	IN
HVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
	STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	STI	
STKT	STI Stuck Threshold	0.762	M
TDD	Total Depth – Driller	3674.50	M
TDL	Total Depth – Logger	3672.00	M
	System and Miscellaneous		
BS	Bit Size	10.625	IN
DO	Depth Offset for Playback	1.6	M
DORL	Depth Offset for Repeat Analysis	0.0	M
PP	Playback Processing	NORMAL	
TD	Total Depth	2453.5	M

Format: EMS\_HoleDiameter    Vertical Scale: 1:200    Graphics File Created: 16-Sep-2012 02:07

## OP System Version: 19C1-222

FBST-B	19C1-222	DSST-B	19C1-222
EMS-B	19C1-222	PPC2	19C1-222
EDTC-B	19C1-222	DTPC-A	19C1-222

### Input DLIS Files

FMI_DSI_EMS_CAL_024LUP	FN:47	10-Sep-2012 19:13	3246.1 M	3072.3 M
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### Output DLIS Files

DEFAULT	FMI_DSI_EMS_CAL_190PUP	FN:493	PRODUCER	16-Sep-2012 02:07
CLIENT	FMI_DSI_EMS_CAL_190PUC	FN:494	CUSTOMER	16-Sep-2012 02:07

## Calibration Report

MAXIS Field Log

### Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Full-Bore Scanner – B Wellsite Calibration – Caliper Calibration							
Before: 4-Sep-2012 17:15							
Caliper 1 Small Jig	8.000	N/A	7.625	N/A	N/A	N/A	IN
Caliper 2 Small Jig	16.00	N/A	15.27	N/A	N/A	N/A	IN
Caliper 1 Large Jig	16.00	N/A	15.46	N/A	N/A	N/A	IN
Caliper 2 Large Jig	8.000	N/A	7.511	N/A	N/A	N/A	IN
Full-Bore Scanner – B Wellsite Calibration – CROUZET ACCELEROMETER    PROM HAS BEEN READ CORRECTLY							
Before: 10-Sep-2012 23:53							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	4	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	852	N/A	N/A	N/A	

Full-Bore Scanner – B Wellsite Calibration – CROUZET MAGNETOMETER    PROM HAS BEEN READ CORRECTLY							
Before: 10-Sep-2012 23:53							
TEMPERATURE REFERENCE :	N/A	N/A	22	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	25	N/A	N/A	N/A	

YEAR OF CALIBRATION :	N/A	N/A	97	N/A	N/A	N/A
MONTH OF CALIBRATION :	N/A	N/A	2	N/A	N/A	N/A
SERIAL NUMBER :	N/A	N/A	287	N/A	N/A	N/A

#### Environment Measurement Sonde Wellsite Calibration – EMS Caliper Calibration

Before: 4–Sep–2012 16:19 After: 4–Sep–2012 16:19

Radius 1 Short Radius	4.000	N/A	3.611	3.611	0	0.2000	IN
Radius 1 Long Radius	8.000	N/A	7.766	7.766	0	0.2000	IN
Radius 2 Short Radius	4.000	N/A	3.512	3.512	0	0.2000	IN
Radius 2 Long Radius	8.000	N/A	7.753	7.753	0	0.2000	IN
Radius 3 Short Radius	4.000	N/A	3.335	3.335	0	0.2000	IN
Radius 3 Long Radius	8.000	N/A	7.593	7.593	0	0.2000	IN
Radius 4 Short Radius	4.000	N/A	3.455	3.455	0	0.2000	IN
Radius 4 Long Radius	8.000	N/A	7.639	7.639	0	0.2000	IN
Radius 5 Short Radius	4.000	N/A	3.468	3.468	0	0.2000	IN
Radius 5 Long Radius	8.000	N/A	7.692	7.692	0	0.2000	IN
Radius 6 Short Radius	4.000	N/A	3.449	3.449	0	0.2000	IN
Radius 6 Long Radius	8.000	N/A	7.638	7.638	0	0.2000	IN

#### Powered Positioning Device/Caliper 2 Wellsite Calibration – PPC2 Caliper Calibration

Before: 8–Sep–2012 14:37 After: 8–Sep–2012 14:37

PPC2 Radius 1 Raw Small Radius	3.500	N/A	4.420	4.420	0	0.5000	IN
PPC2 Radius 1 Raw Large Radius	8.000	N/A	8.543	8.543	0	0.5000	IN
PPC2 Radius 2 Raw Small Radius	3.500	N/A	3.554	3.554	0	0.5000	IN
PPC2 Radius 2 Raw Large Radius	8.000	N/A	7.836	7.836	0	0.5000	IN
PPC2 Radius 3 Raw Small Radius	3.500	N/A	4.186	4.186	0	0.5000	IN
PPC2 Radius 3 Raw Large Radius	8.000	N/A	8.412	8.412	0	0.5000	IN
PPC2 Radius 4 Raw Small Radius	3.500	N/A	3.295	3.295	0	0.5000	IN
PPC2 Radius 4 Raw Large Radius	8.000	N/A	7.653	7.653	0	0.5000	IN

#### Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration

Before: 10–Sep–2012 1:29

EDTC Z–Axis Acceleration	9.810	N/A	9.786	N/A	N/A	N/A	M/S2
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#### Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration

Before: 10–Sep–2012 1:29 After: 10–Sep–2012 14:39

Gamma Ray (Jig – Bkg)	163.5	N/A	163.5	161.6	–1.927	14.87	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	163.1	–1.944	15.00	GAPI

#### Full–Bore Scanner – B / Equipment Identification

##### Primary Equipment:





FullBore Scanner Sonde	FBSS – B	911
FullBore Scanner Sonde Upper part	FBSh – A	911
FullBore Scanner Sonde Cartridge	FBSC – B	977
GPIT Cartridge – C	GPIC – C	1843
Insulating Sub	AH – 185	831
Flex Joint	AH – 184	782
FullBore Scanner Control Cartridge	FBCC – A	998

##### Auxiliary Equipment:

Electronics Cartridge Housing	ECH – MRA	4827
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#### Full–Bore Scanner – B Wellsite Calibration

##### Caliper Calibration









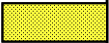















Phase	Caliper 1 Small Jig IN			Value	Phase	Caliper 2 Small Jig IN			Value
Before				7.625	Before				15.27
6.800 (Minimum)		8.000 (Nominal)		9.200 (Maximum)	13.60 (Minimum)		16.00 (Nominal)		18.40 (Maximum)
Phase	Caliper 1 Large Jig IN			Value	Phase	Caliper 2 Large Jig IN			Value
Before				15.46	Before				7.511
13.60 (Minimum)		16.00 (Nominal)		18.40 (Maximum)	6.800 (Minimum)		8.000 (Nominal)		9.200 (Maximum)

Before: 4–Sep–2012 17:15

#### Environment Measurement Sonde / Equipment Identification

##### Primary Equipment:

EMS Mechanical	EMM – A	8078
EMS Cartridge	EMC – B	8086
EMS Adaptor	EMA – B	8002
Resistivity Meter	RES –	8002

Environment Measurement Sonde Wellsite Calibration									
EMS Caliper Calibration									
Phase	Radius 1 Short Radius IN		Value	Phase	Radius 1 Long Radius IN		Value		
Before			3.611	Before			7.766		
After			3.611	After			7.766		
3.000 (Minimum)			4.000 (Nominal)	5.000 (Maximum)	7.000 (Minimum)			8.000 (Nominal)	9.000 (Maximum)
Phase	Radius 2 Short Radius IN		Value	Phase	Radius 2 Long Radius IN		Value		
Before			3.512	Before			7.753		
After			3.512	After			7.753		
3.000 (Minimum)			4.000 (Nominal)	5.000 (Maximum)	7.000 (Minimum)			8.000 (Nominal)	9.000 (Maximum)
Phase	Radius 3 Short Radius IN		Value	Phase	Radius 3 Long Radius IN		Value		
Before			3.335	Before			7.593		
After			3.335	After			7.593		
3.000 (Minimum)			4.000 (Nominal)	5.000 (Maximum)	7.000 (Minimum)			8.000 (Nominal)	9.000 (Maximum)
Phase	Radius 4 Short Radius IN		Value	Phase	Radius 4 Long Radius IN		Value		
Before			3.455	Before			7.639		
After			3.455	After			7.639		
3.000 (Minimum)			4.000 (Nominal)	5.000 (Maximum)	7.000 (Minimum)			8.000 (Nominal)	9.000 (Maximum)
Phase	Radius 5 Short Radius IN		Value	Phase	Radius 5 Long Radius IN		Value		
Before			3.468	Before			7.692		
After			3.468	After			7.692		
3.000 (Minimum)			4.000 (Nominal)	5.000 (Maximum)	7.000 (Minimum)			8.000 (Nominal)	9.000 (Maximum)
Phase	Radius 6 Short Radius IN		Value	Phase	Radius 6 Long Radius IN		Value		
Before			3.449	Before			7.638		
After			3.449	After			7.638		
3.000 (Minimum)			4.000 (Nominal)	5.000 (Maximum)	7.000 (Minimum)			8.000 (Nominal)	9.000 (Maximum)
Before: 4-Sep-2012 16:19				After: 4-Sep-2012 16:19					

Powered Positioning Device/Caliper 2 / Equipment Identification











Primary Equipment:

PPC Powered Positioning Device/Caliper  
PPC2 Caliper Standard

PPC2 – B  
PPC\_ –

8558  
8558

Auxiliary Equipment:

Powered Positioning Device/Caliper 2 Wellsite Calibration					
PPC2 Caliper Calibration					
Phase	PPC2 Radius 1 Raw Small Radius IN	Value	Phase	PPC2 Radius 1 Raw Large Radius IN	Value
Before		4.420	Before		8.543
After		4.420	After		8.543
1.200 (Minimum)		3.500 (Nominal)	5.600 (Maximum)	6.100 (Minimum)	
				8.000 (Nominal)	
				9.700 (Maximum)	
Phase	PPC2 Radius 2 Raw Small Radius IN	Value	Phase	PPC2 Radius 2 Raw Large Radius IN	Value
Before		3.554	Before		7.836
After		3.554	After		7.836
1.200 (Minimum)		3.500 (Nominal)	5.600 (Maximum)	6.100 (Minimum)	
				8.000 (Nominal)	
				9.700 (Maximum)	
Phase	PPC2 Radius 3 Raw Small Radius IN	Value	Phase	PPC2 Radius 3 Raw Large Radius IN	Value
Before		4.186	Before		8.412

Before		3.295	Before		7.653
After		4.186	After		8.412
1.200 (Minimum)		3.500 (Nominal)	6.100 (Minimum)		9.700 (Maximum)
Phase PPC2 Radius 4 Raw Small Radius IN			Phase PPC2 Radius 4 Raw Large Radius IN		
Before		3.295	Before		7.653
After		3.295	After		7.653
1.200 (Minimum)		3.500 (Nominal)	6.100 (Minimum)		9.700 (Maximum)
Before: 8-Sep-2012 14:37			After: 8-Sep-2012 14:37		

#### Enhanced DTS Cartridge / Equipment Identification

##### Primary Equipment:

EDTC Gamma Ray Detector  
Enhanced DTS Cartridge

EDTG – A/B 77415  
EDTC – B 8479

##### Auxiliary Equipment:

EDTC Housing

EDTH – B 8466

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.786
9.610 (Minimum)		9.810 (Nominal)
		10.01 (Maximum)
Before: 10-Sep-2012 1:29		

Enhanced DTS Cartridge Wellsite Calibration																										
Detector Calibration																										
Phase	Gamma Ray Background GAPI			Value	Phase	Gamma Ray (Jig – Bkg) GAPI			Value	Phase	Gamma Ray (Calibrated) GAPI			Value												
Before				2.743	Before				163.5	Before				165.0												
After				4.343	After				161.6	After				163.1												
0 (Minimum)				30.00 (Nominal)	120.0 (Maximum)				148.7 (Minimum)				163.5 (Nominal)	178.4 (Maximum)				150.0 (Minimum)				165.0 (Nominal)	180.0 (Maximum)			
Before: 10-Sep-2012 1:29												After: 10-Sep-2012 14:39														

Company: **JAMSTEC**

**Schlumberger**

Well: **C0020A**

Field: **C0020**

Pref. **Aomori**

Country: **Japan**

Environmental Measurement Sonde  
Caliper Log  
1:200