

COMPANY: Lamont Doherty

WELL: ODP Leg 189, Site 1168 (WT-1A)

FIELD: Tasmanian Seaway, West Tasmania Site

COUNTRY: Offshore STATE: Indian Ocean

Geological High Sensitivity
Magnetic Log



COUNTY: Offshore
Field: Tasmanian Seaway, West Tasm
Location: ODP Leg 189, Site 1168 (WT-1A)
Company: Lamont Doherty

LOCATION		Elev.: K.B. 11.2 M. G.L. -2474 M. D.F. 10.9 M.
Permanent Datum: MSL	Elev.: 0 M.	
Log Measured From: RKB	11.2 M. above Perm. Datum	
Drilling Measured From: RKB		
API Serial No.	LATITUDE: 42° 36.58' S	LONGITUDE: 144° 24.76' E RIG: JOIDES Resolution

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
PH			
Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF			
RM @ MRT	@	@	
Maximum Recorded Temperatures			
Circulation Stopped			
Time			
Logger On Bottom			
Time			
Unit Number			
Location			
Recorded By			
Witnessed By			

Logging Date	24-MAR-2000
Run Number	One
Depth Driller	3357.7 M.
Schlumberger Depth	3204 M.
Bottom Log Interval	3203 M.
Top Log Interval	2574 M.
Casing Driller Size @ Depth	0.000 in @ 8444.88 ft
Casing Schlumberger	2574 M.
Bit Size	9.875 in
Type Fluid In Hole	Salt Water Base
Density	8.51234 lbm/gal
Fluid Loss	PH
Source Of Sample	Salt water
RM @ Measured Temperature	0.216 ohm.m @ 62 degF
RMF @ Measured Temperature	@
RMC @ Measured Temperature	@
Source RMF	RMC
RM @ MRT	0.171 @ 80 @ 80
Maximum Recorded Temperatures	80 degF
Circulation Stopped	23-MAR-2000
Time	6:30
Logger On Bottom	24-MAR-2000
Time	4:28
Unit Number	99
Location	Houston OS
Recorded By	Kerry M. Swain
Witnessed By	Patrick Fothergill, Ulysses S. Ninnemann

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
PH			
Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF			
RM @ MRT	@	@	
Maximum Recorded Temperatures			
Circulation Stopped			
Time			
Logger On Bottom			
Time			
Unit Number			
Location			
Recorded By			
Witnessed By			

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO CLAUSE 4 OF OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

OTHER SERVICES1
 OS1: GHMT
 OS2: DITE/HLDS/APS/HNGS
 OS3:
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole cored with APC/XCB.
 Sea Floor at 2475.5 MBRF.
 Log presented in Meters below rig floww (MBRF).
 Lamont Temperature Tool (TAP) run on DITE/HLDS/APS/HNGS only.
 Toolstring- GHMT/NGTC/DSSTB.
 Wireline Heave Compensator was used on all descents.
 Sepiolite mud was used to displace the hole.
 Drillers TD- 3357.7 MBRF.
 Loggers TD- 3351 MBRF.
 Drill Pipe Logger- 2574 MBRF.
 GHMT/NGT/DSI was unable to get below ledge at 3204 MBRF.
 A conditioning trip was made before running GHMT/NGT/DSI.
 2 Descents were attempted with the GHMT/NGT/DSI to get below 3204 MBRF.
 Magnetic field spikes occur throughout the log due to tool problems.

REMARKS: RUN NUMBER 2

RUN 1		
SERVICE ORDER #:		
PROGRAM VERSION:	9C1-303	
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP




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

EQUIPMENT DESCRIPTION

RUN 1
SURFACE EQUIPMENT
 GSR-U
 WITM (DTS)-A

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT			32.09
LEH-QT			
DTC-H	CTEM		30.92
ECH-KC 8253	TelStatus		31.20
	ToolStatu		30.29
AH-CMEAY			30.29
AH-CMEAY 765			

DSST-B 29.00
 SPAC-B 18
 ECH-SD 18
 SMDR-BD 8070
 SSIJ-BA 65
 SMDX-AA 8026

PWF 13.45

AH-CMEAY 13.45
 AH-CMEAY 764

DTA-A 12.16
 ECH-KE 8261
 DTA-A 8261

Detector 10.56 10.94

NGT-C
 NGD-A 1736
 NGH-B 3
 NGC-C 1921
 NGCH-A 752

GHMT-A 8.33
 GHMC-B 701
 ECH-MBA 701
 NMTE-C 703
 SUMS-B 702
 NMRS-C 702

SUMS 4.08

NMRS 1.07

STATUS HV DF Tension 0.00

BNS-CCS 0.14

TOOL ZERO

MAXIMUM STRING DIAMETER 4.00 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

Input DLIS Files

DEFAULT GHMT .044 FN:49 PRODUCER 25-Mar-2000 16:49 3206.6 M 2557.3 M

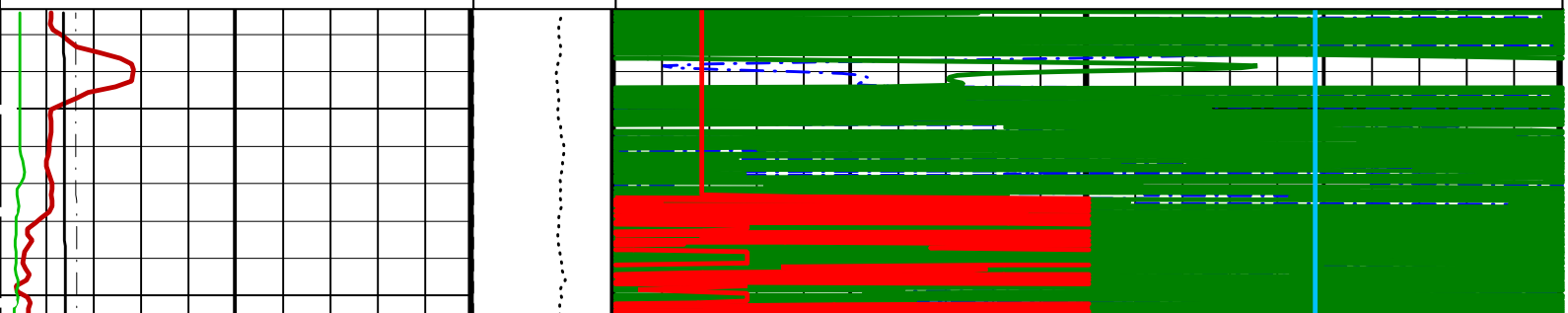
OP System Version: 9C1-303 MCM

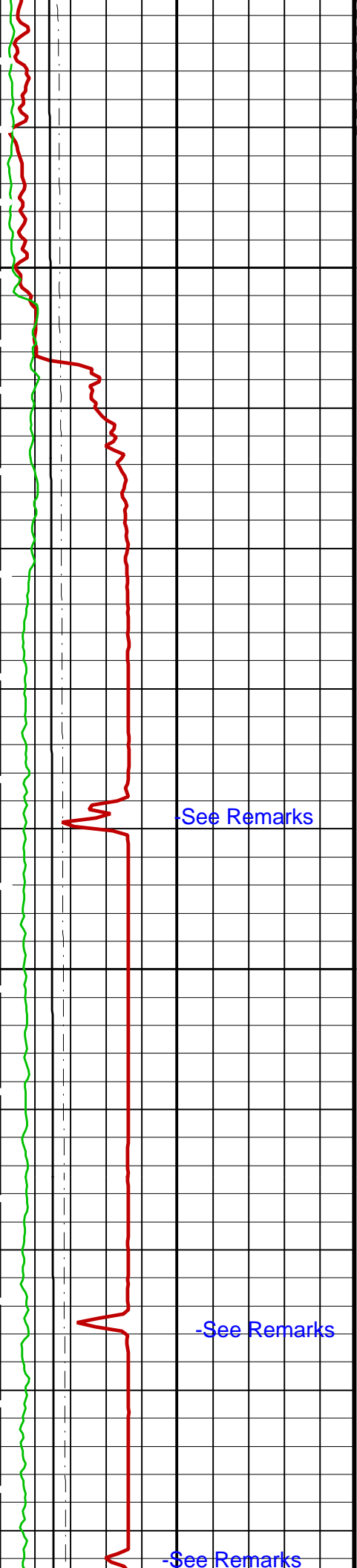
GHMT-A	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

PIP SUMMARY

Time Mark Every 60 S

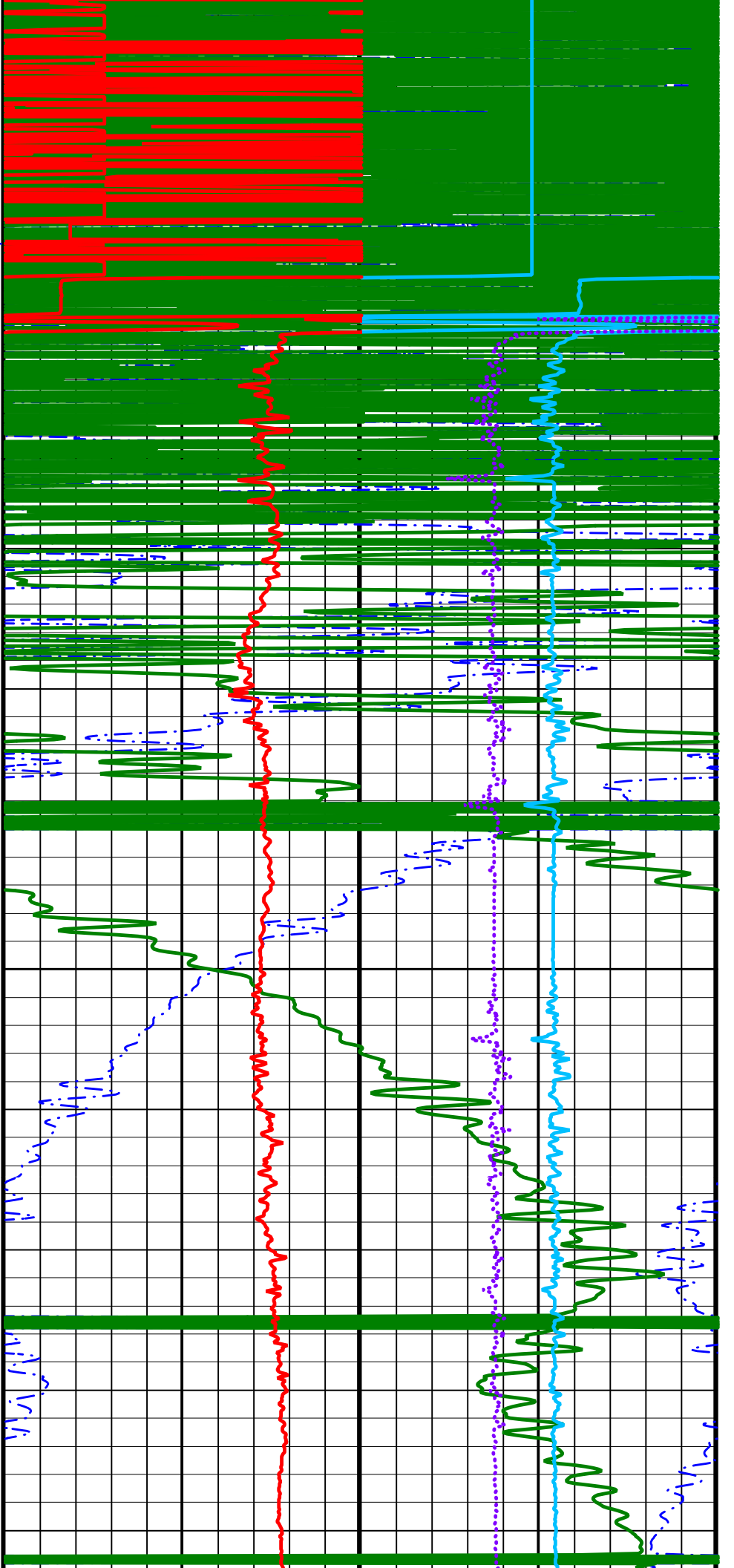
<p style="color: red; text-decoration: underline;">Magnetometer Signal Level (NMSV)</p> <p style="text-align: center;">0 (V) 5</p>					
<p style="color: green; text-decoration: underline;">Spectroscopy Gamma Ray (SGR)</p> <p style="text-align: center;">0 (GAPI) 150</p>	<div style="background-color: yellow; padding: 5px; text-align: center; font-weight: bold;">Main Pass</div>				
<p style="text-decoration: underline;">Receiver Coil Temperature (SURT)</p> <p style="text-align: center;">0 (DEGF) 400</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; color: red; text-decoration: underline;">Earth Conductivity (MAGC)</td> <td style="width: 50%; text-align: center; color: cyan; text-decoration: underline;">Low Resolution Susceptibility (RMGS)</td> </tr> <tr> <td style="text-align: center;">0 (PPM) 1000</td> <td style="text-align: center;">0 (PPM) 1000</td> </tr> </table>	Earth Conductivity (MAGC)	Low Resolution Susceptibility (RMGS)	0 (PPM) 1000	0 (PPM) 1000
Earth Conductivity (MAGC)	Low Resolution Susceptibility (RMGS)				
0 (PPM) 1000	0 (PPM) 1000				
<p style="text-decoration: underline;">NMRS Differential Temperature (SXRT)</p> <p style="text-align: center;">0 (DEGF) 40</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%; text-align: center; color: green; text-decoration: underline;">Earth Magnetic Field (MAGB)</td> </tr> <tr> <td style="text-align: center;">62500 (MTES) 62700</td> </tr> </table>	Earth Magnetic Field (MAGB)	62500 (MTES) 62700		
Earth Magnetic Field (MAGB)					
62500 (MTES) 62700					
<p style="text-decoration: underline;">Magnetometer Temperature (NMST)</p> <p style="text-align: center;">0 (DEGF) 400</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; color: blue; text-decoration: underline;">Tension (TENS)</td> <td style="width: 50%; text-align: center; color: blue; text-decoration: underline;">Differential Magnetic Field (DMGB)</td> </tr> <tr> <td style="text-align: center;">10000 (LBF) 0</td> <td style="text-align: center;">150 (MTES) -150</td> </tr> </table>	Tension (TENS)	Differential Magnetic Field (DMGB)	10000 (LBF) 0	150 (MTES) -150
Tension (TENS)	Differential Magnetic Field (DMGB)				
10000 (LBF) 0	150 (MTES) -150				

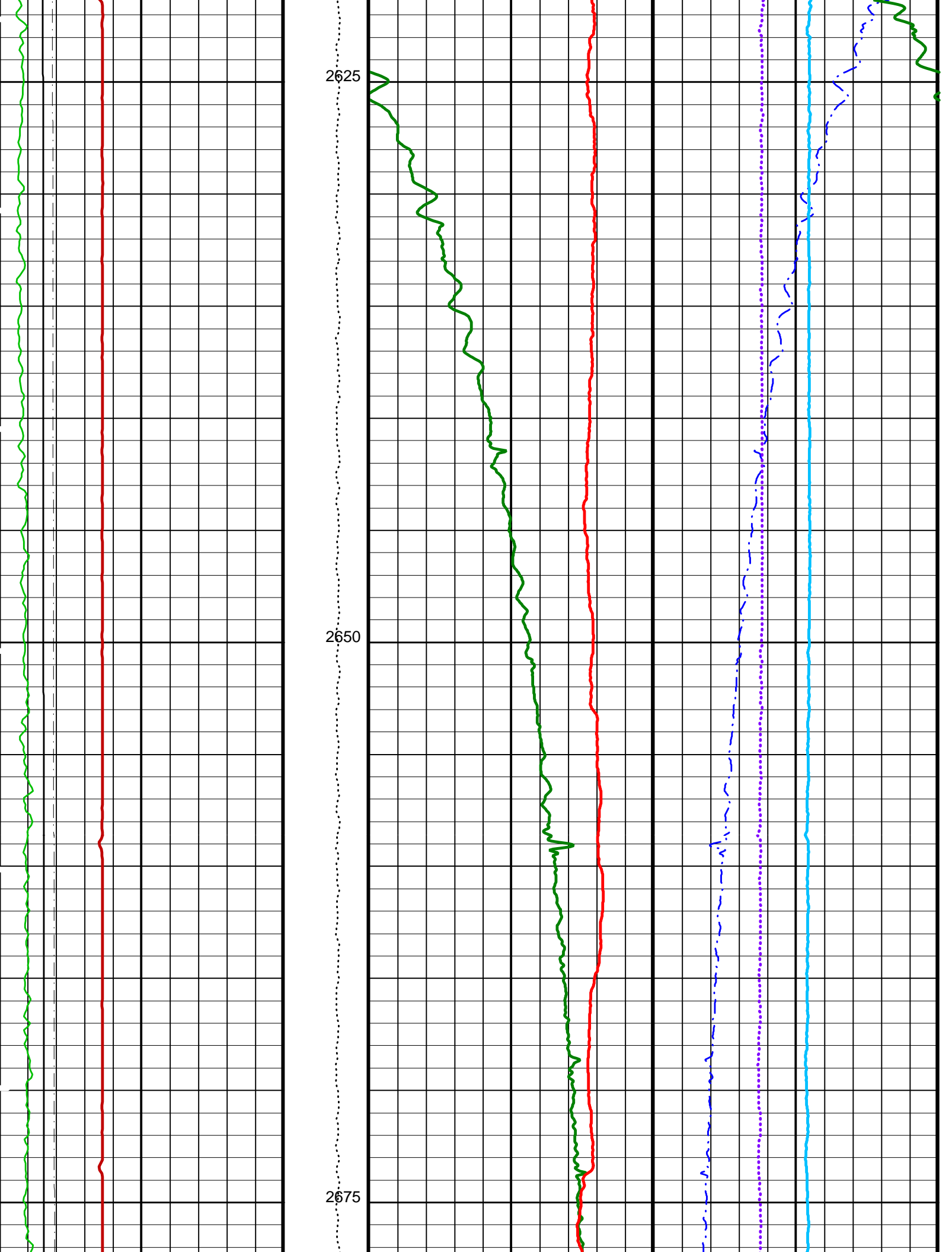


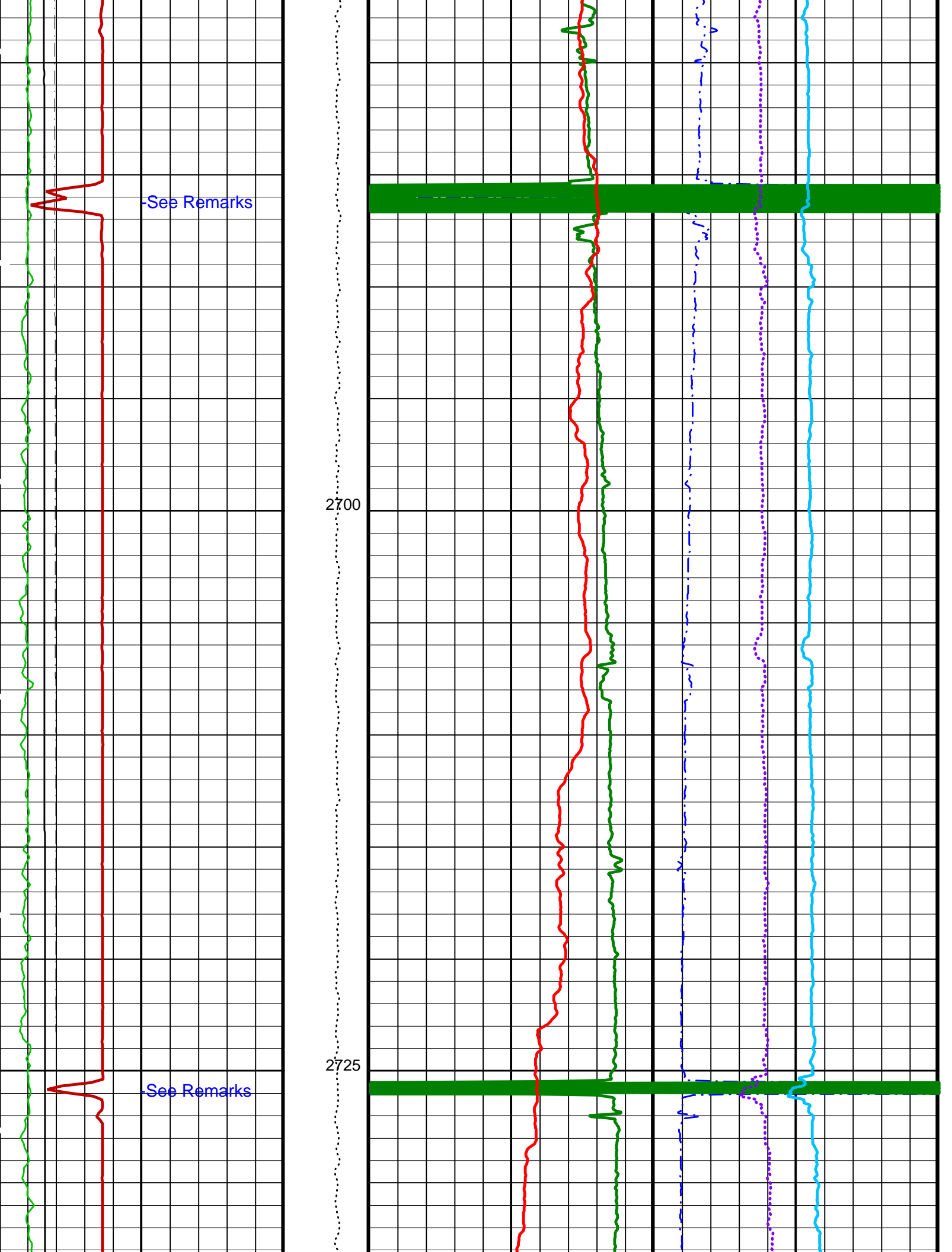


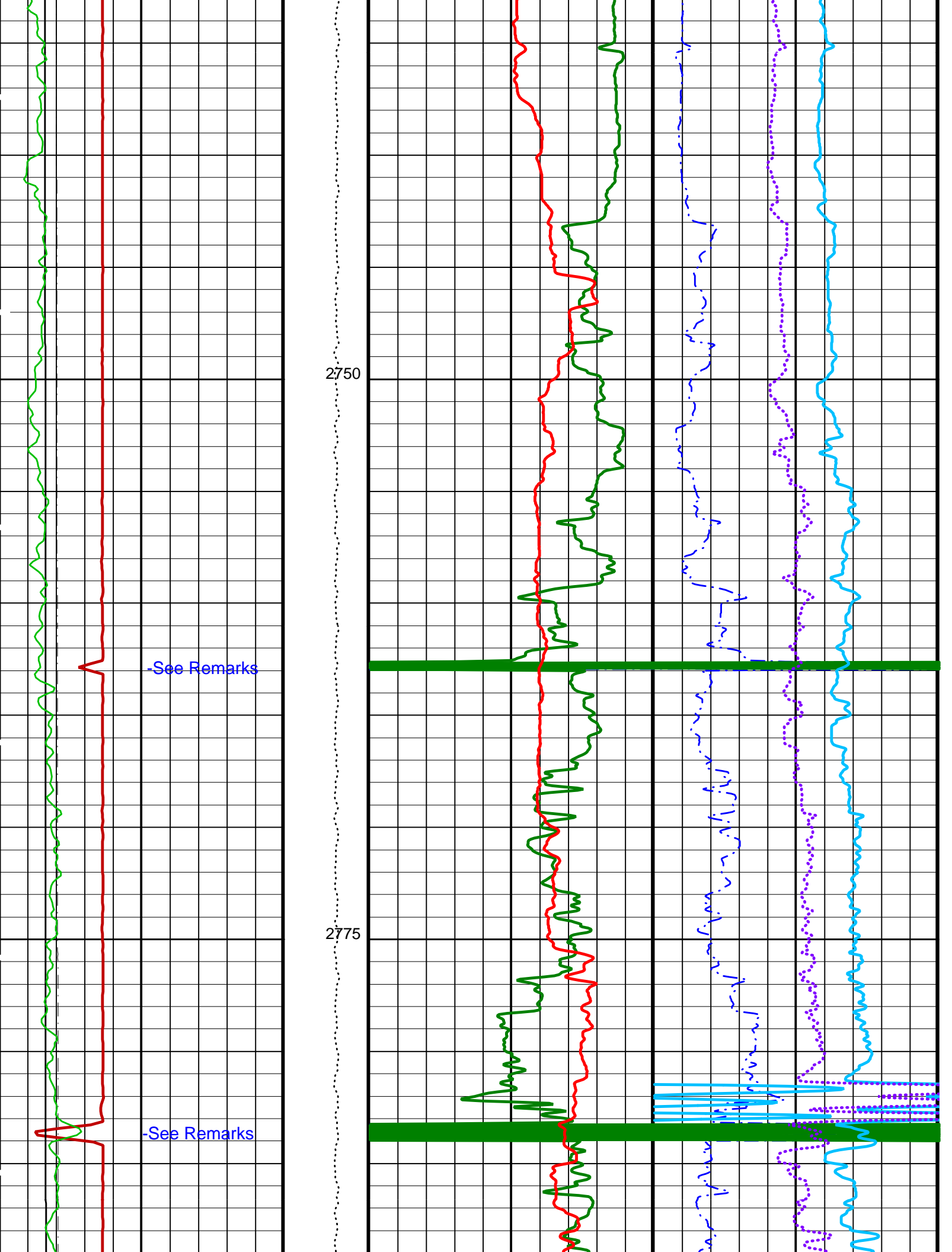
-Drill Pipe-
2575

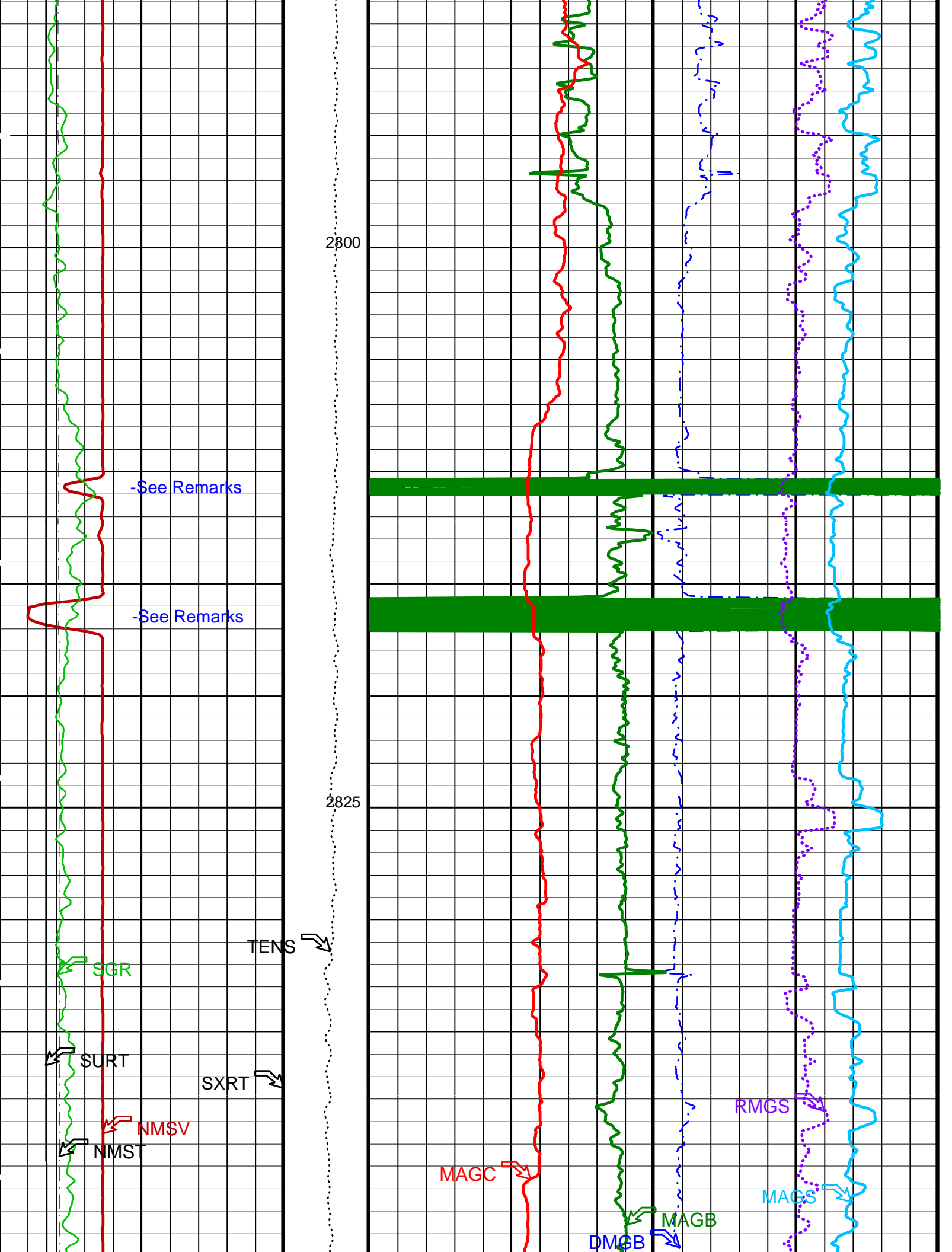
2600

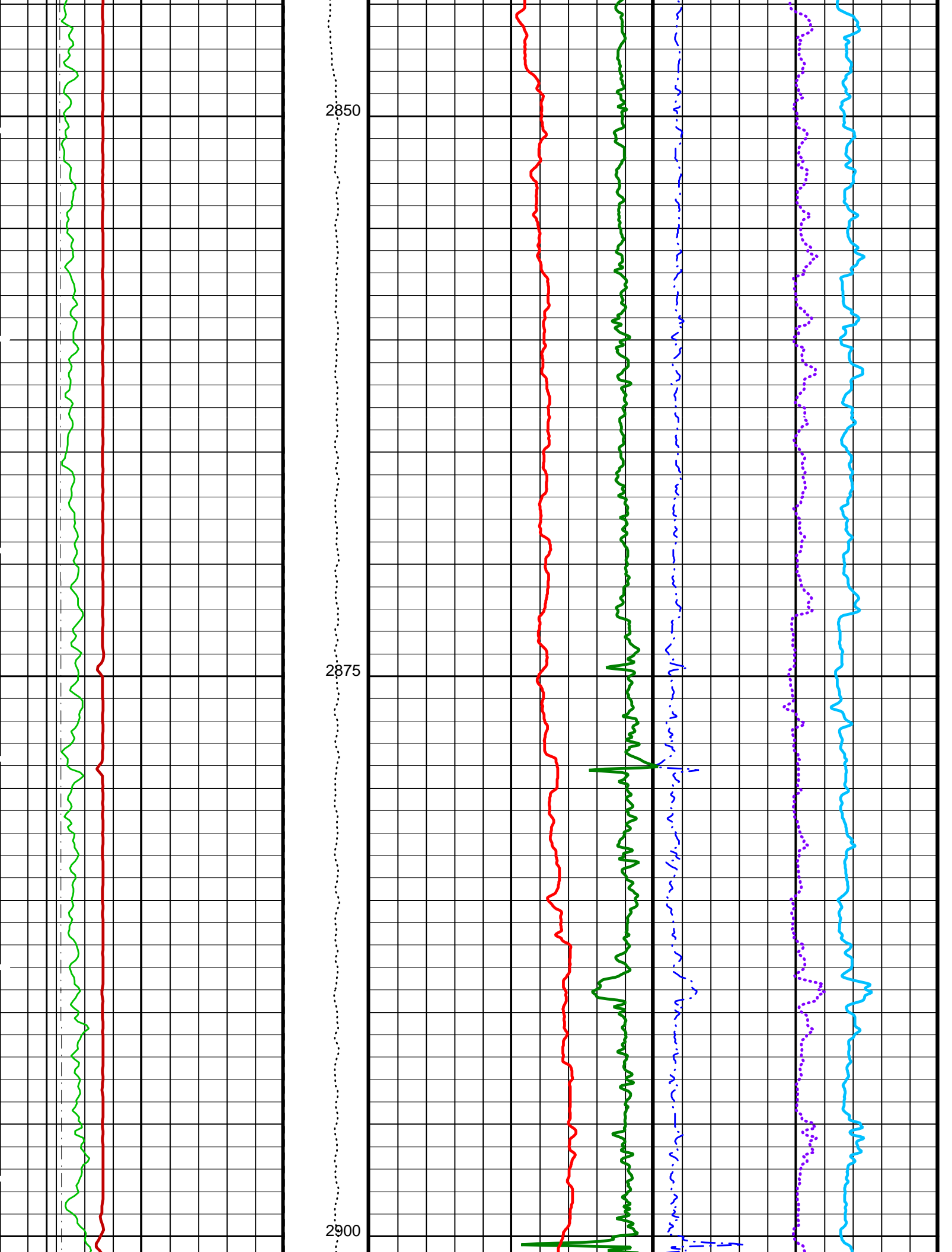


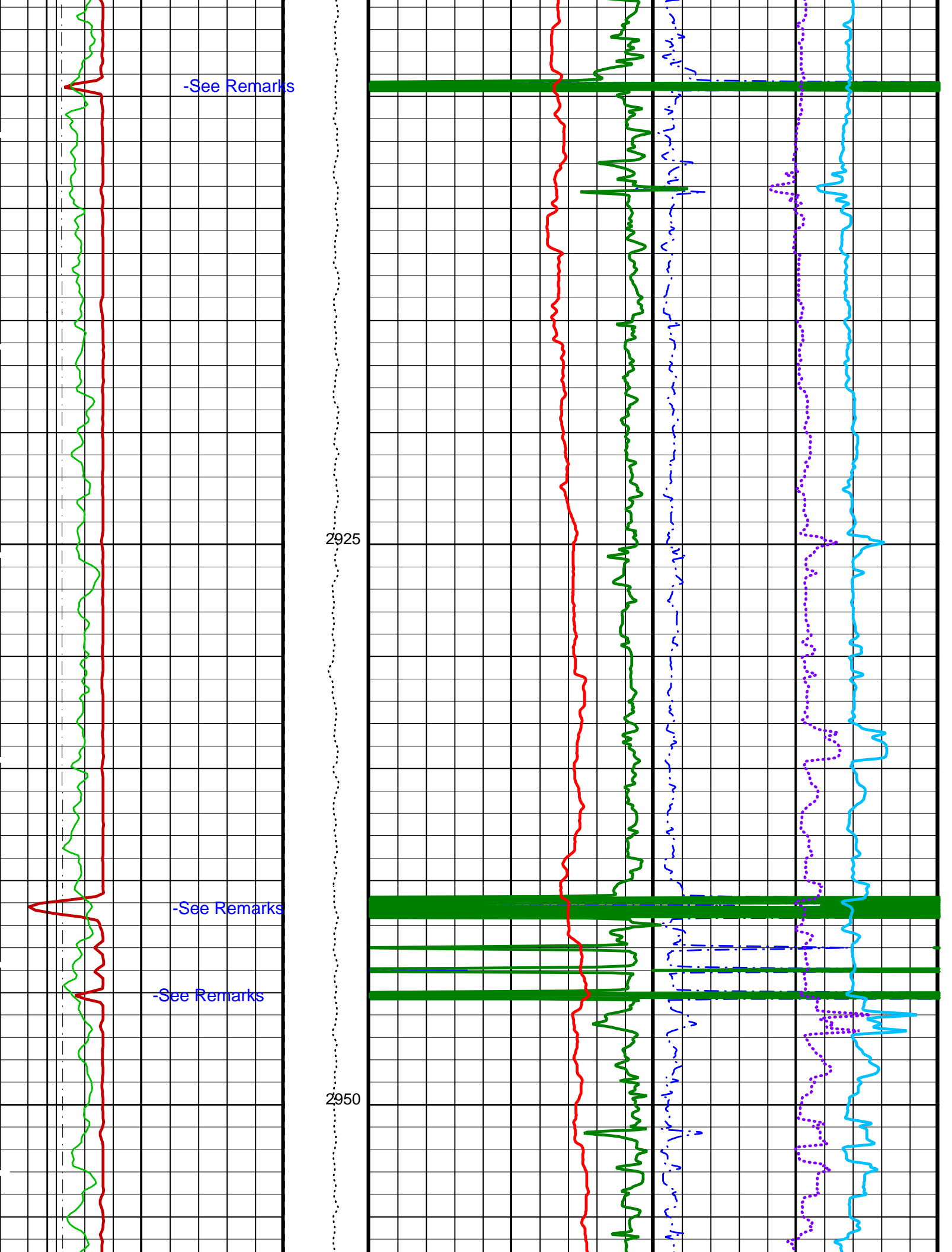


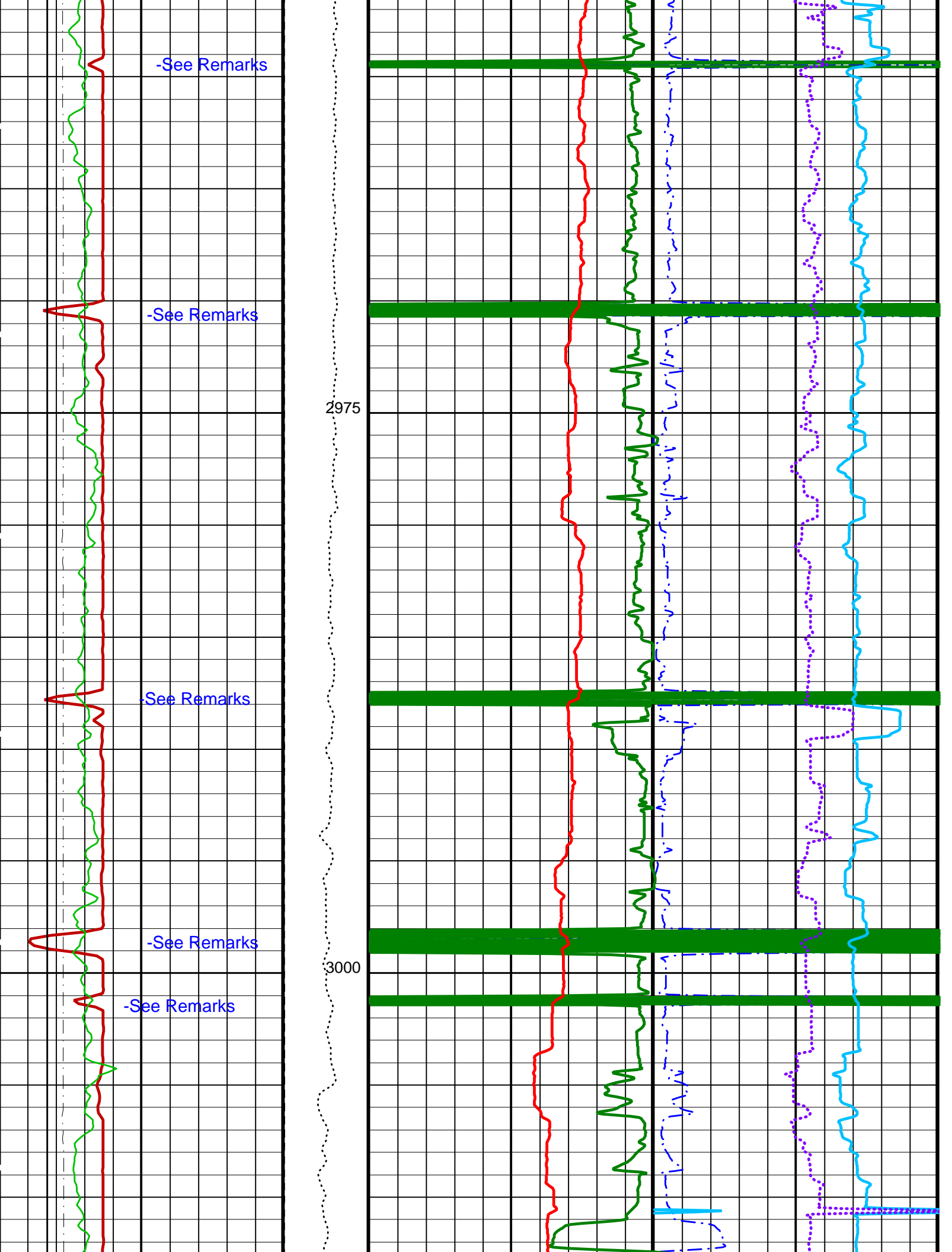


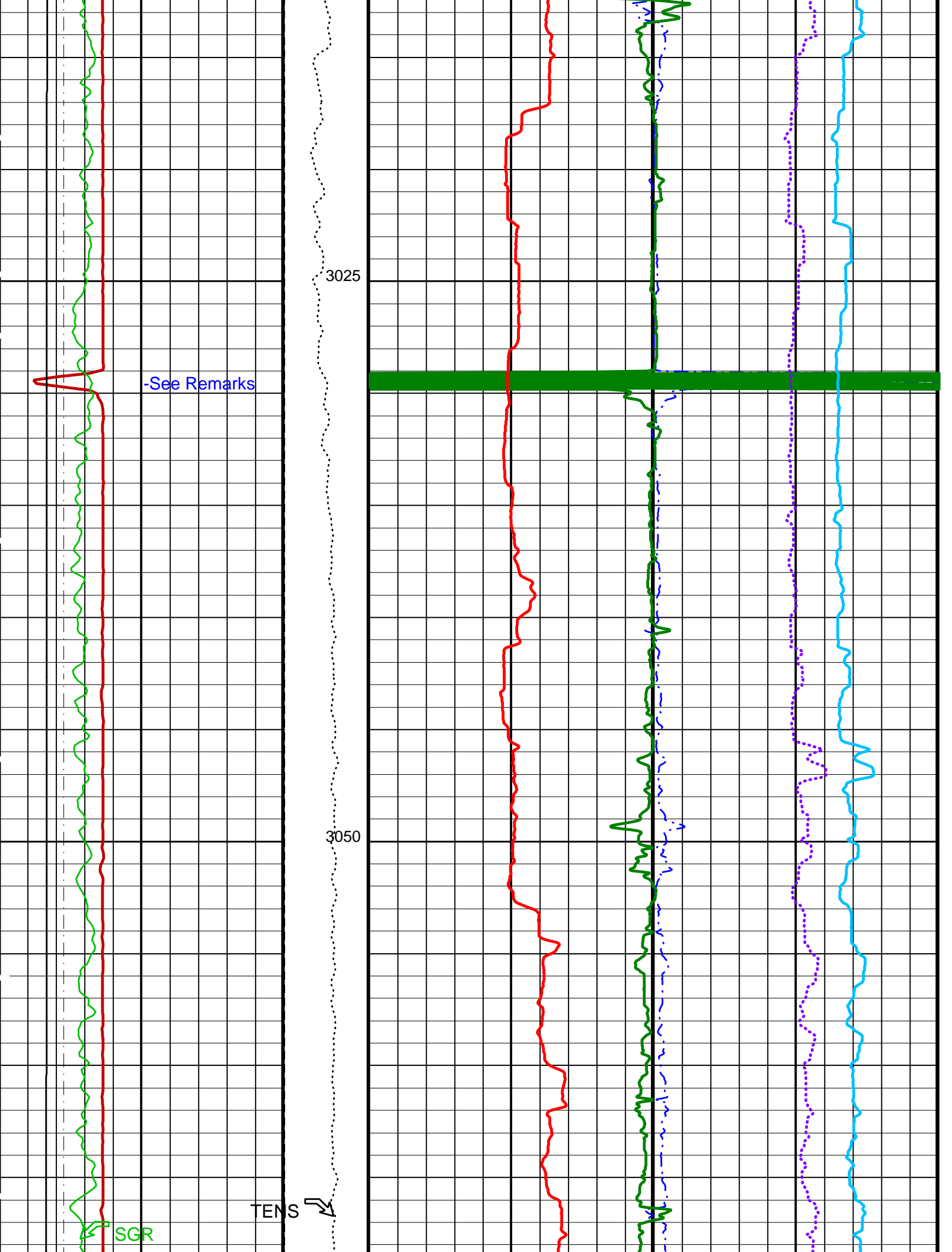


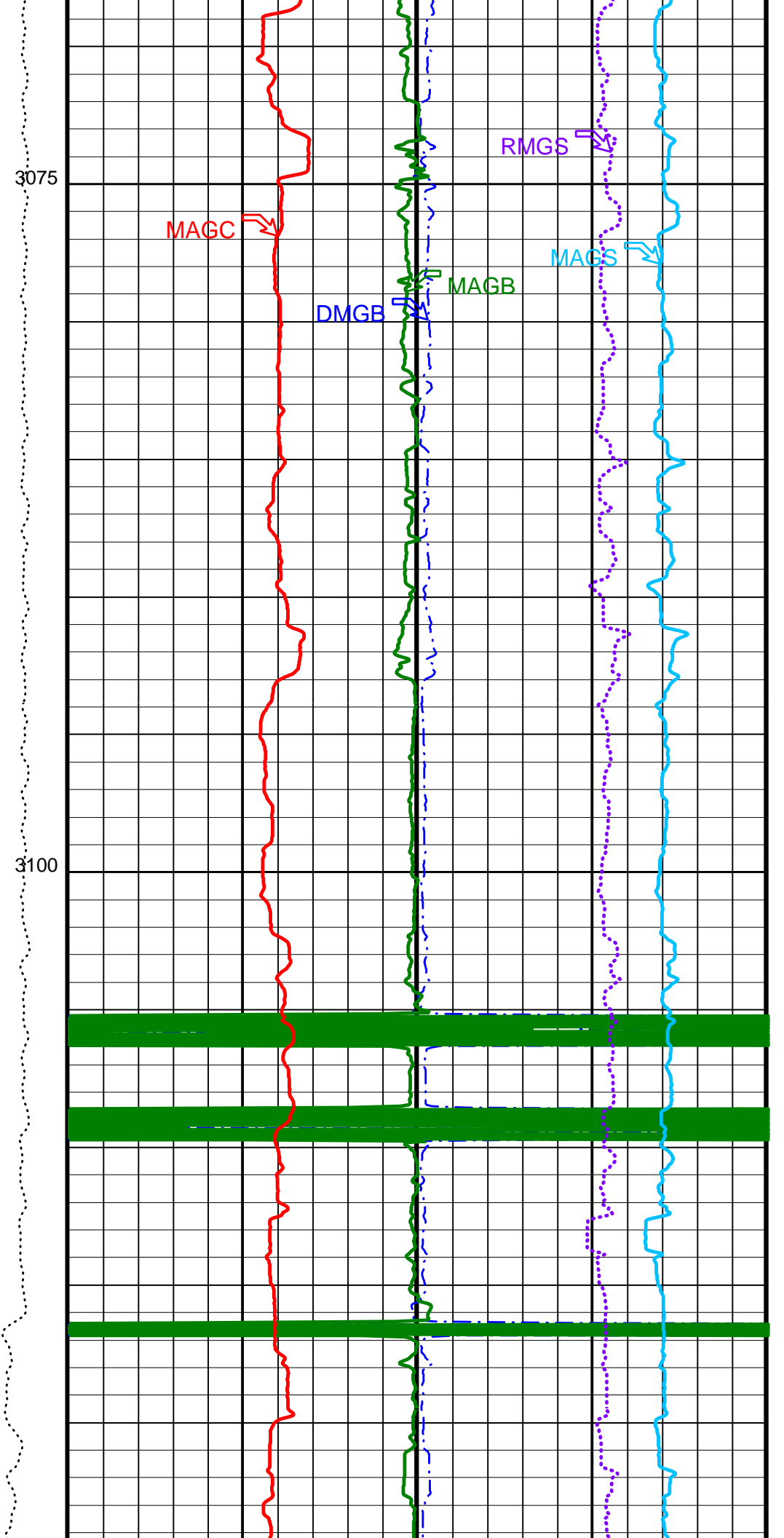
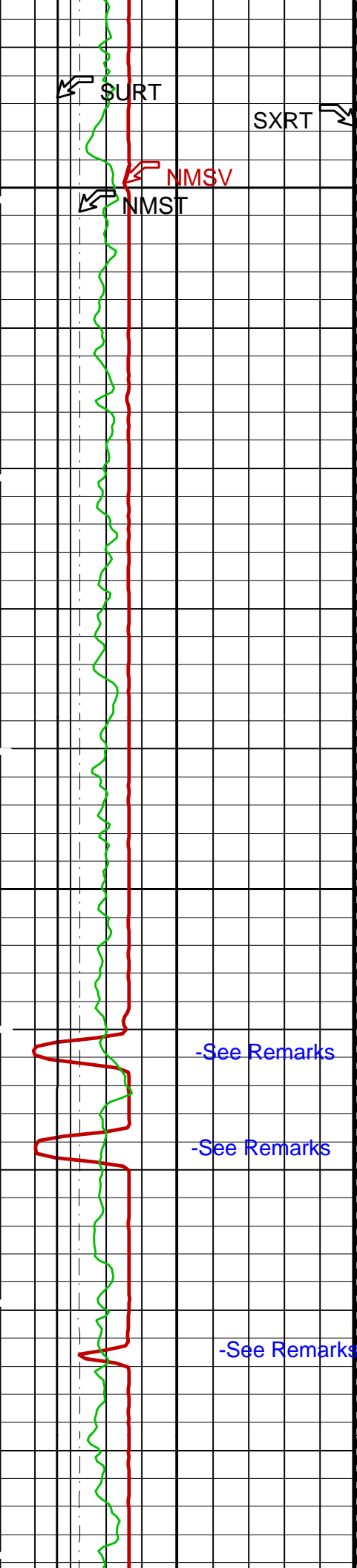








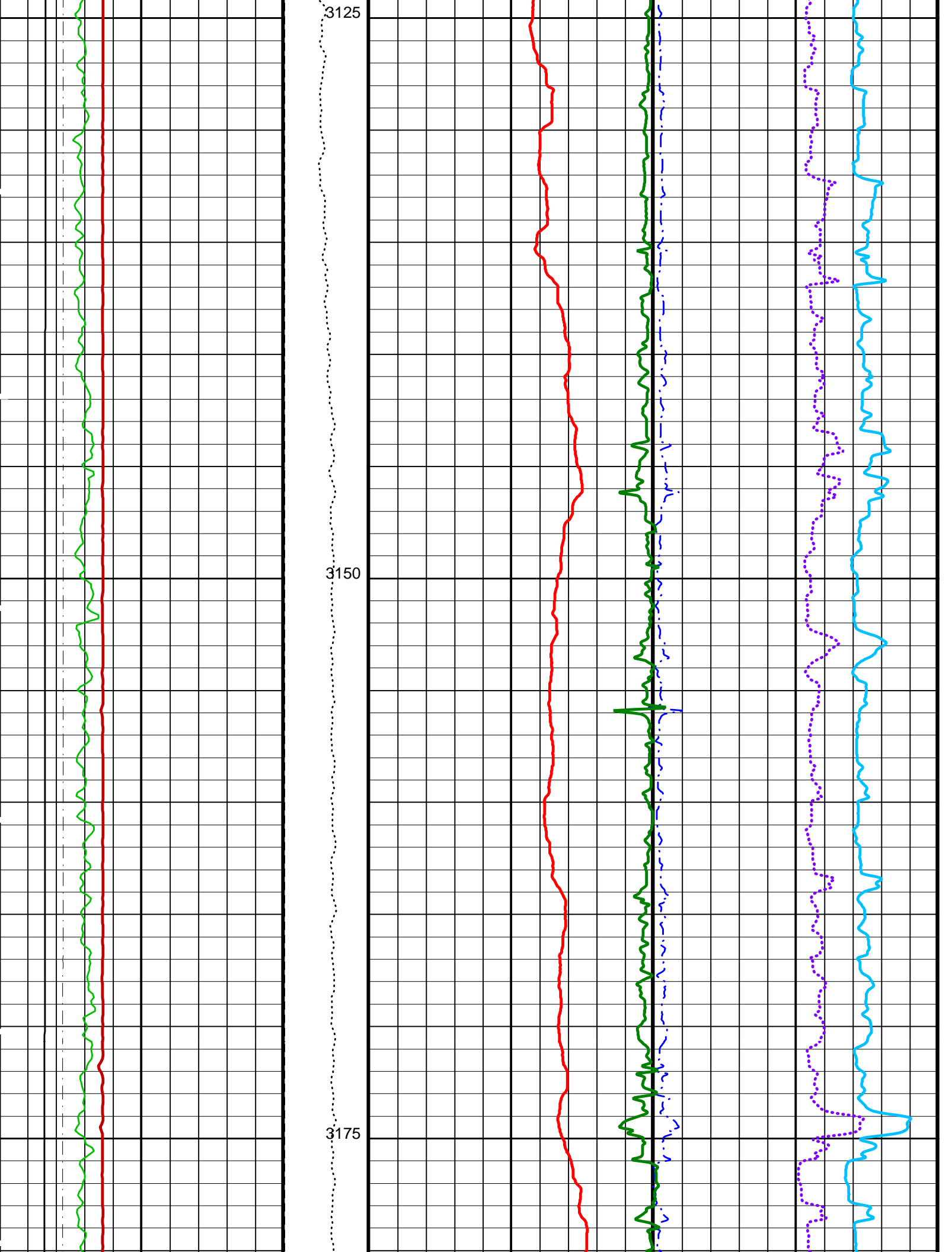


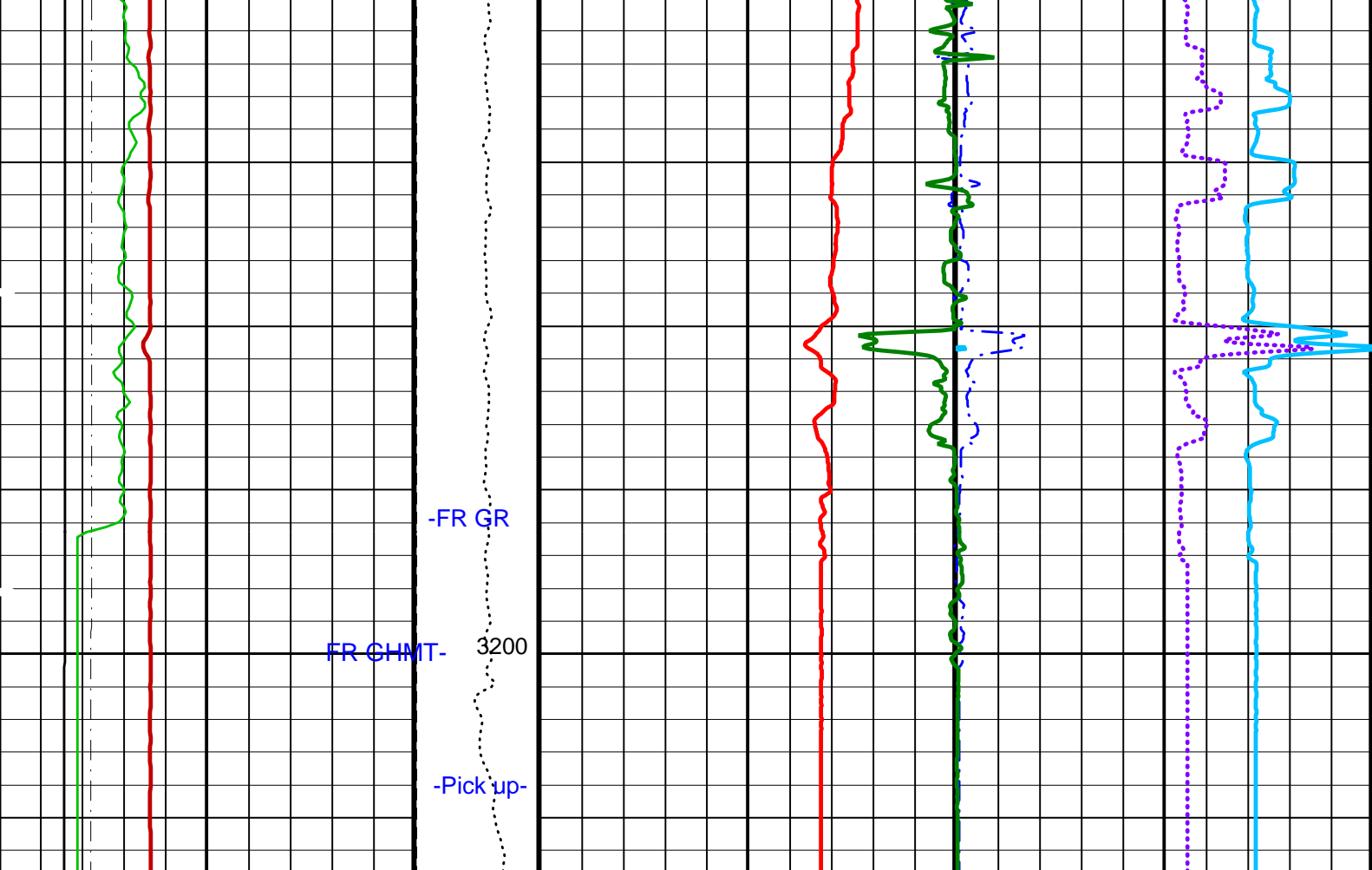


-See Remarks

-See Remarks

-See Remarks





Magnetometer Temperature (NMST) (DEGF)	0	400	Tension (TENS) (LBF)	150	0	Differential Magnetic Field (DMGB) (MTES)	-150	
NMRS Differential Temperature (SXRT) (DEGF)	0	40				Earth Magnetic Field (MAGB) (MTES)	62500	62700
Receiver Coil Temperature (SURT) (DEGF)	0	400				Earth Conductivity (MAGC) (PPM)	0	1000
						Magnetic Susceptibility (MAGS) (PPM)	-200	800
Spectroscopy Gamma Ray (SGR) (GAPI)	0	150				Low Resolution Susceptibility (RMGS) (PPM)	0	1000
Magnetometer Signal Level (NMSV) (V)	0	5						

Main Pass

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BS	Bit Size	9.875 IN
CBAR	Constant Barite	1
CGMI	Spectro Computed Gamma Ray Minimum	0 GAPI
CGSH	Spectro Computed Gamma Ray Shale	100 GAPI
DFD	Drilling Fluid Density	8.51 LB/G
DO	Depth Offset for Logical Unit 1	0.0 M
KMIN	Potassium Minimum	0
KSHA	Potassium Shale	0.02
MAGR	Reference Earth Magnetic Field	62600 MTES
NFO	NGT Filtering Option	KALMAN
PMUD	Potassium Mud	0 %
PP	Playback Processing	OFF
SGMI	Spectro Gamma Ray Minimum	0 GAPI
SGSH	Spectro Gamma Ray Shale	100 GAPI
TMIN	Thorium Minimum	0 PPM
TSHA	Thorium Shale	12 PPM

OP System Version: 9C1-303

MCM

GHMT-A	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Input DLIS Files

DEFAULT	GHMT .044	FN:49 PRODUCER	25-Mar-2000 16:49	3206.6 M	2557.3 M
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Input DLIS Files

DEFAULT	GHMT .016	FN:22 PRODUCER	24-Mar-2000 06:14	2850.2 M	2719.4 M
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Output DLIS Files

DEFAULT	GHMT .045	FN:51 PRODUCER	25-Mar-2000 16:55	2850.2 M	2719.4 M
DSIGHTM_CUST	GHMT .045	FN:52 PRODUCER	25-Mar-2000 16:55	2850.2 M	2719.4 M

OP System Version: 9C1-303

MCM

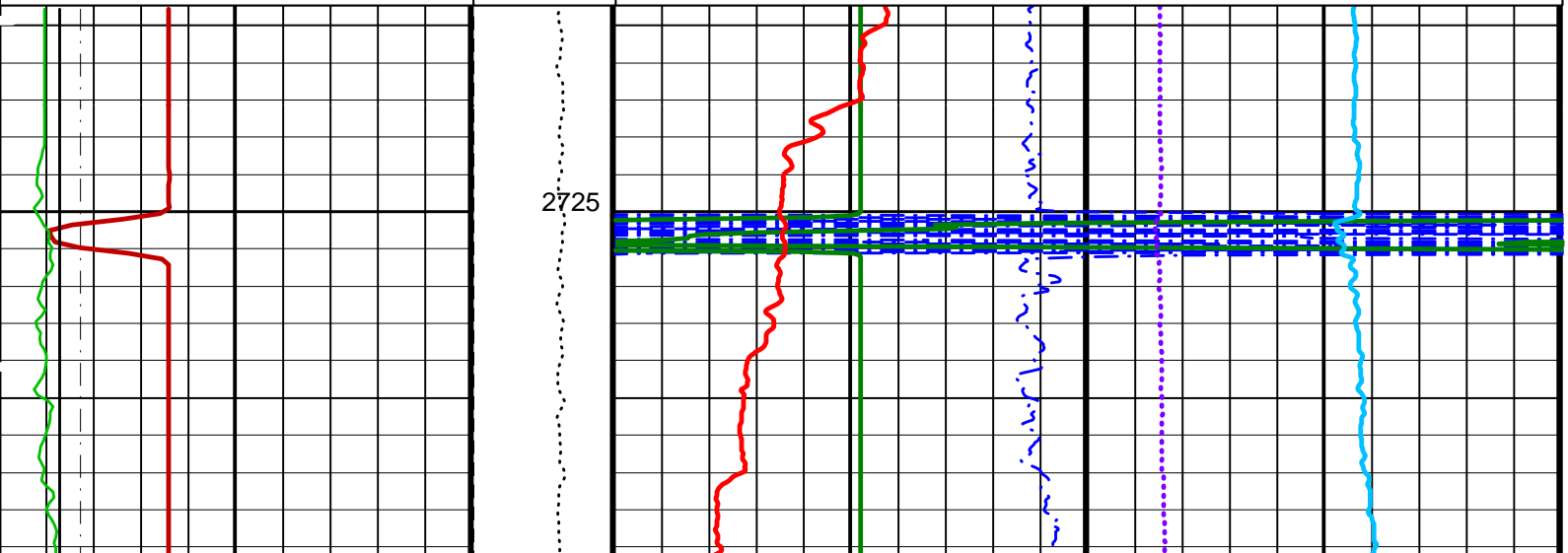
GHMT-A	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

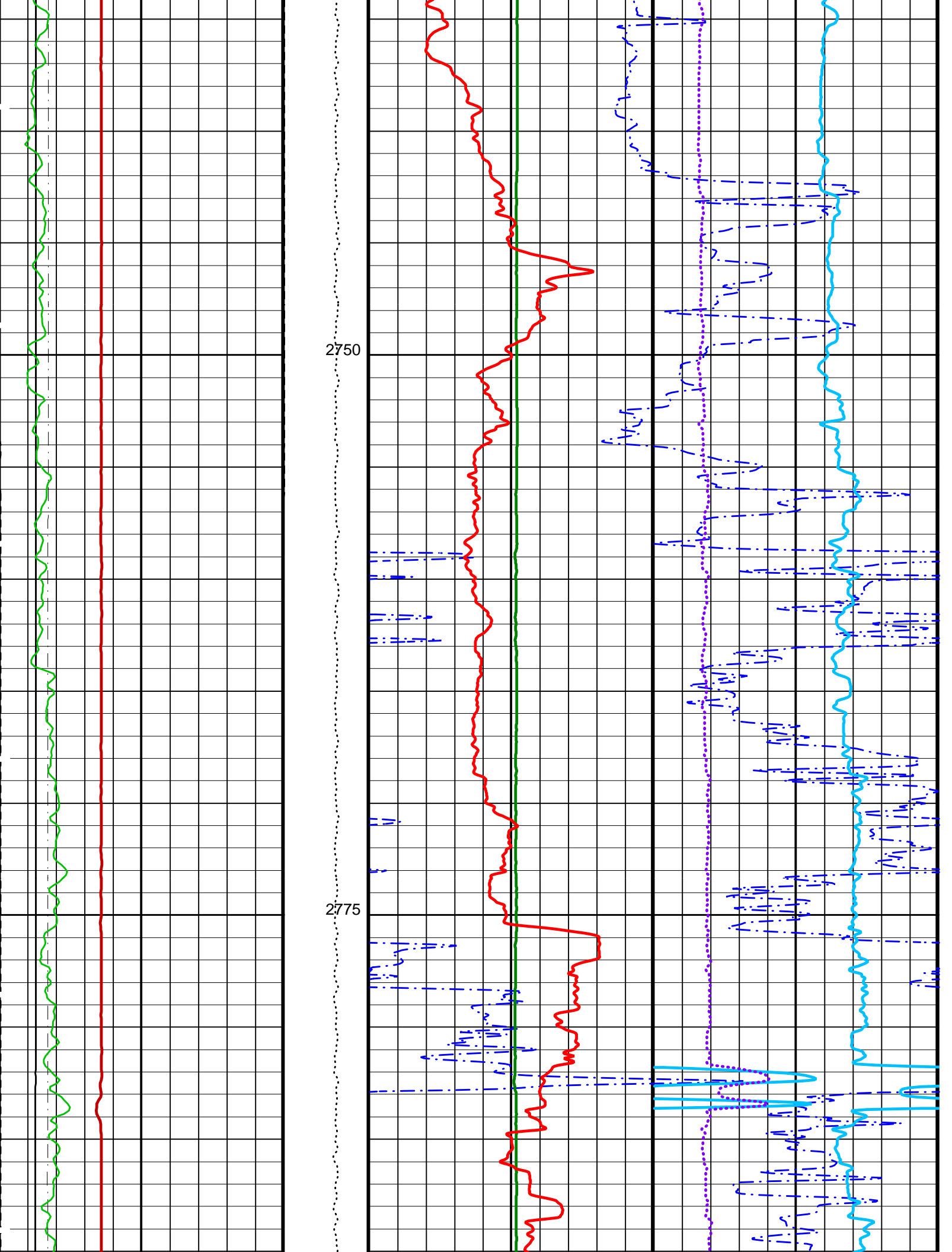
PIP SUMMARY

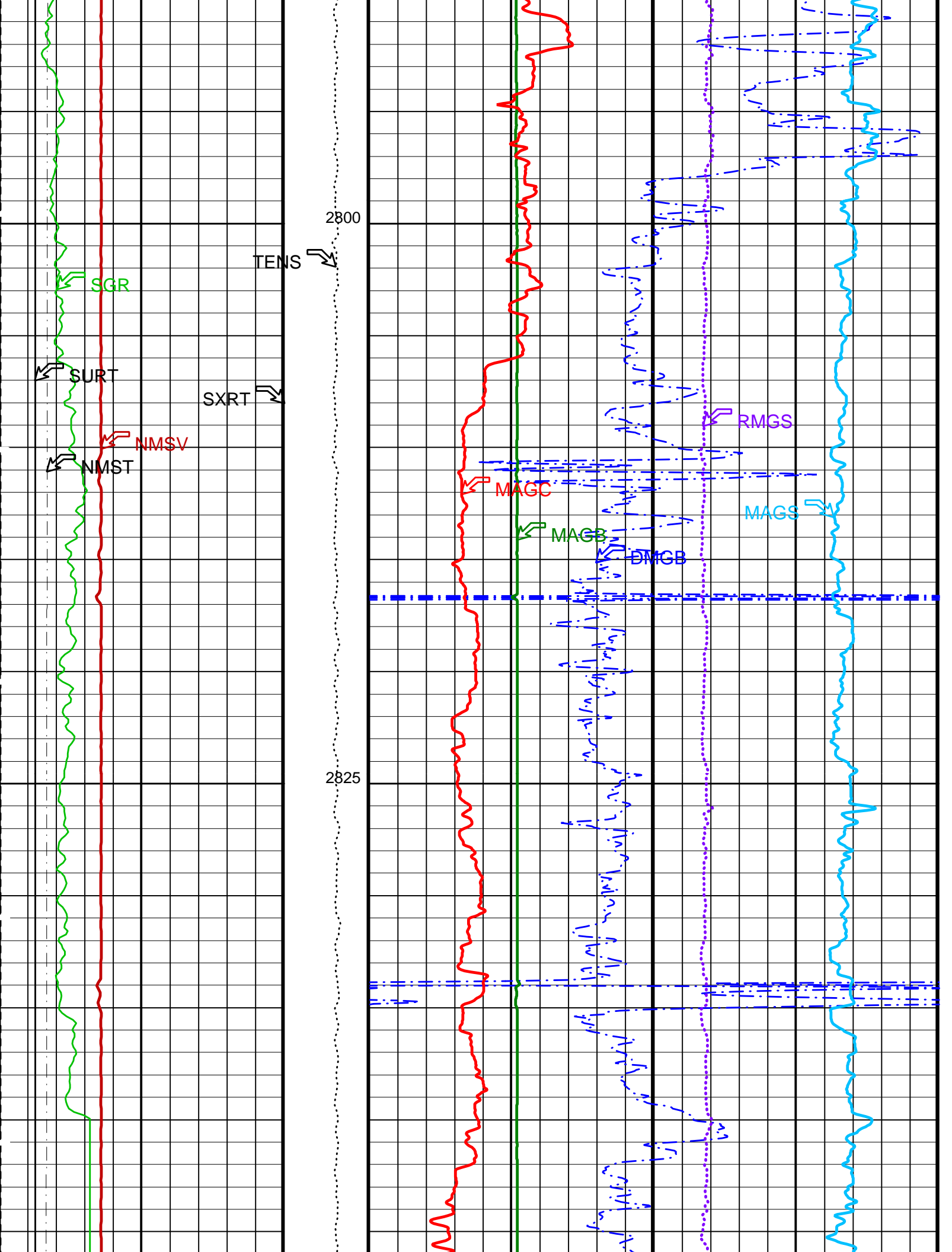
Time Mark Every 60 S

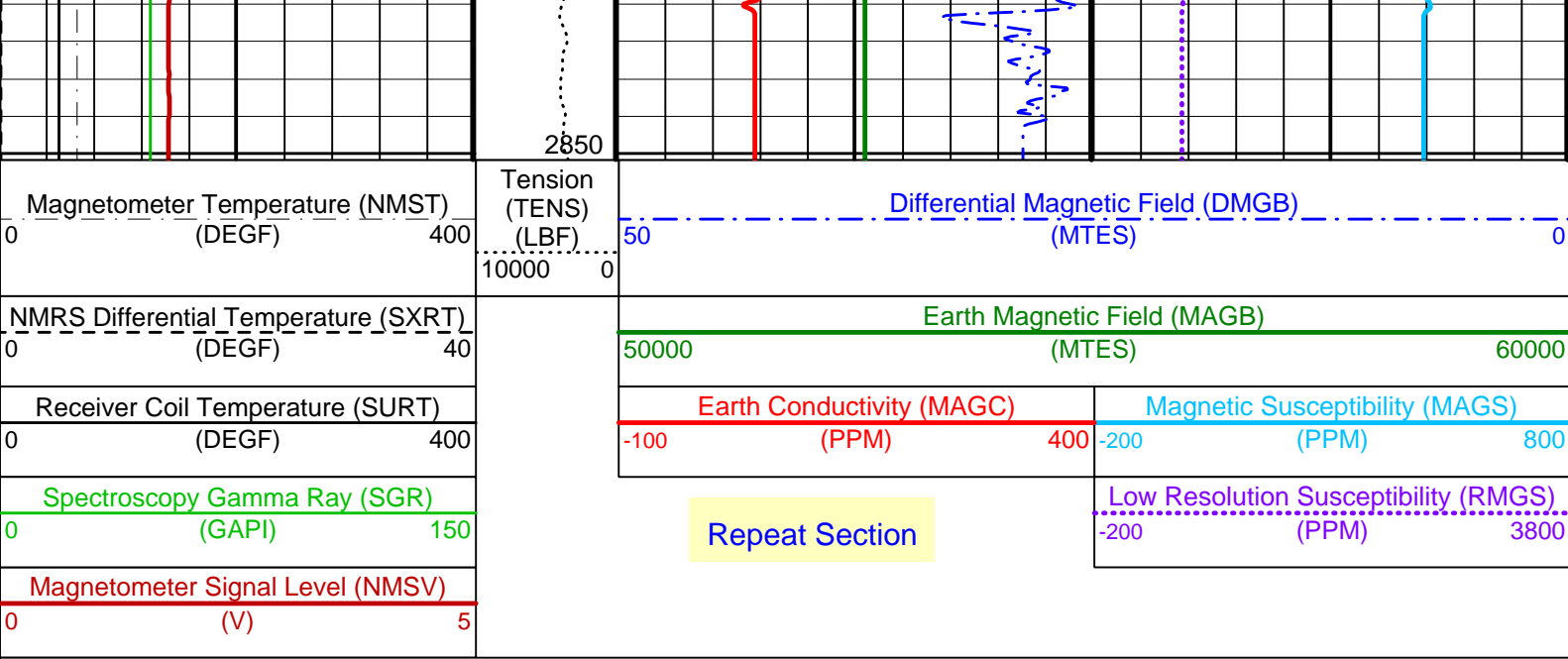
Magnetometer Signal Level (NMSV)	(V)	5
Spectroscopy Gamma Ray (SGR)	(GAPI)	150
Receiver Coil Temperature (SURT)	(DEGF)	400
NMRS Differential Temperature (SXRT)	(DEGF)	40
Magnetometer Temperature (NMST)	(DEGF)	400

Repeat Section	Low Resolution Susceptibility (RMGS)	(PPM)	3800
Earth Conductivity (MAGC)	Magnetic Susceptibility (MAGS)	(PPM)	800
-100	400	-200	800
Earth Magnetic Field (MAGB)			
50000	(MTES)	60000	
Differential Magnetic Field (DMGB)	(MTES)	0	
50			









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BS	Bit Size	9.875 IN
CBAR	Constant Barite	1
CGMI	Spectro Computed Gamma Ray Minimum	0 GAPI
CGSH	Spectro Computed Gamma Ray Shale	100 GAPI
DFD	Drilling Fluid Density	8.51 LB/G
DO	Depth Offset for Logical Unit 1	0.0 M
KMIN	Potassium Minimum	0
KSHA	Potassium Shale	0.02
MAGR	Reference Earth Magnetic Field	62600 MTES
NFO	NGT Filtering Option	KALMAN
PMUD	Potassium Mud	0 %
PP	Playback Processing	RECOMPUTE
SGMI	Spectro Gamma Ray Minimum	0 GAPI
SGSH	Spectro Gamma Ray Shale	100 GAPI
TMIN	Thorium Minimum	0 PPM
TSHA	Thorium Shale	12 PPM
UMIN	Uranium Minimum	0 PPM
USHA	Uranium Shale	3 PPM

Format: GHMT Vertical Scale: 1:200 Graphics File Created: 25-Mar-2000 16:55

OP System Version: 9C1-303
MCM

GHMT-A	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Input DLIS Files

DEFAULT	GHMT .016	FN:22 PRODUCER	24-Mar-2000 06:14	2850.2 M	2719.4 M
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Output DLIS Files

DEFAULT	GHMT .045	FN:51 PRODUCER	25-Mar-2000 16:55
DSIGHMT_CUST	GHMT .045	FN:52 PRODUCER	25-Mar-2000 16:55

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	3203 M.
		SCHLUMBERGER DEPTH	3204 M.
WELL:	ODP Leg 189, Site 1168 (WT-1A)	DEPTH DRILLER	3357.7 M.
		KELLY BUSHING	11.2 M.
FIELD:	Tasmanian Seaway, West Tasmania Site		

COUNTY:	Offshore	DRILL FLOOR	10.9 M.
STATE:	Indian Ocean	GROUND LEVEL	-2474 M.

Schlumberger

Geological High Sensitivity
Magnetic Log