

COMPANY: Lamont Doherty

WELL: ODP Leg 189, Site 1172D (ETP-2A)

FIELD: East Tasmania

COUNTRY: Offshore STATE: Pacific Ocean

Schlumberger Geological High Sensitivity Magnetic Log

COUNTY: Offshore
Field: East Tasmania
Location:
Well: ODP Leg 189, Site 1172D (ETP-2A)
Company: Lamont Doherty

Table with columns: LOCATION, Permanent Datum, Log Measured From, Drilling Measured From, MSL, RKB, RKB, Elev., K.B., G.L., D.F., LATTITUDE, LONGITUDE, RIG.

Main data table with columns: Logging Date, 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, Source Of Sample, RM @ Measured Temperature, RMF @ Measured Temperature, RMC @ Measured Temperature, Source RMF, RM @ MRT, RMF @ MRT, Maximum Recorded Temperatures, Circulation Stopped, Logger On Bottom, Unit Number, Recorded By, Witnessed By.

Table with columns: Run 1, Run 2, Run 3 (headers), and empty rows for data entry.

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: DITE/HNGS/HLDS/APS
 OS2: GHMT
 OS3:
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1
 Hole cored with RCB.
 Sea Floor at 2631 mbrf.
 Log presented in meters below rig floor.
 Lamont Temperature Tool (TAP) run on DITE/HLDS/APS/HNGS only.
 Wireline Heave Compensator used on all descents. Wireline heave compensator went out of range due to heavy heave conditions at 3388-3355, 3349-3154, 3144-2953, 2952-2887, 2891-end of log.
 Sepiolite mud placed in the hole before logging.
 Drillers TD-3399.85 mbrf.
 Loggers TD-3395 mbrf.
 Drill Pipe Logger- 2782 mbrf.
 The GHMT magnetic field spikes denoted by "see remarks" are caused by electronic faults in the tool and do not repeat.

REMARKS: RUN NUMBER 2

RUN 1		
LOGGED INTERVAL	START	STOP




RUN 2		
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 10.94

- NGT-C 10.56
- 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

Output DLIS Files

DEFAULT	GHMT .018	FN:29 PRODUCER	03-May-2000 02:29	3394.1 M	2772.2 M
GHMT_CUST	GHMT .018	FN:30 PRODUCER	03-May-2000 02:29	3394.1 M	2772.2 M

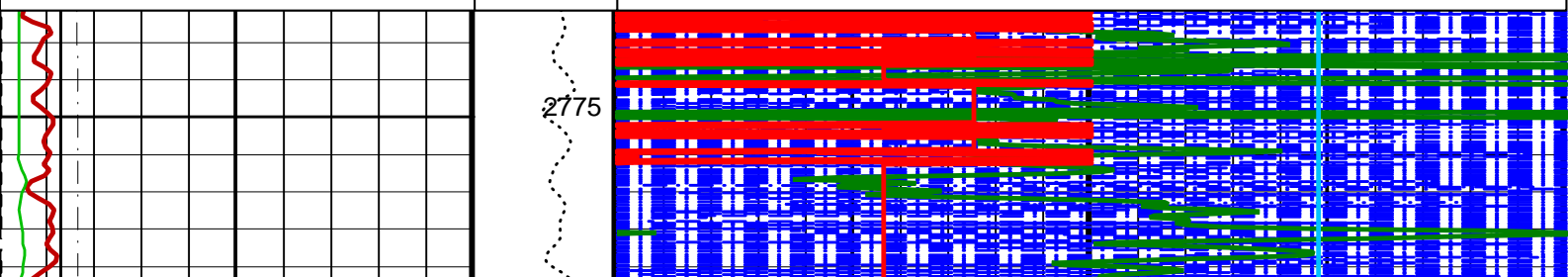
OP System Version: 9C1-303 MCM

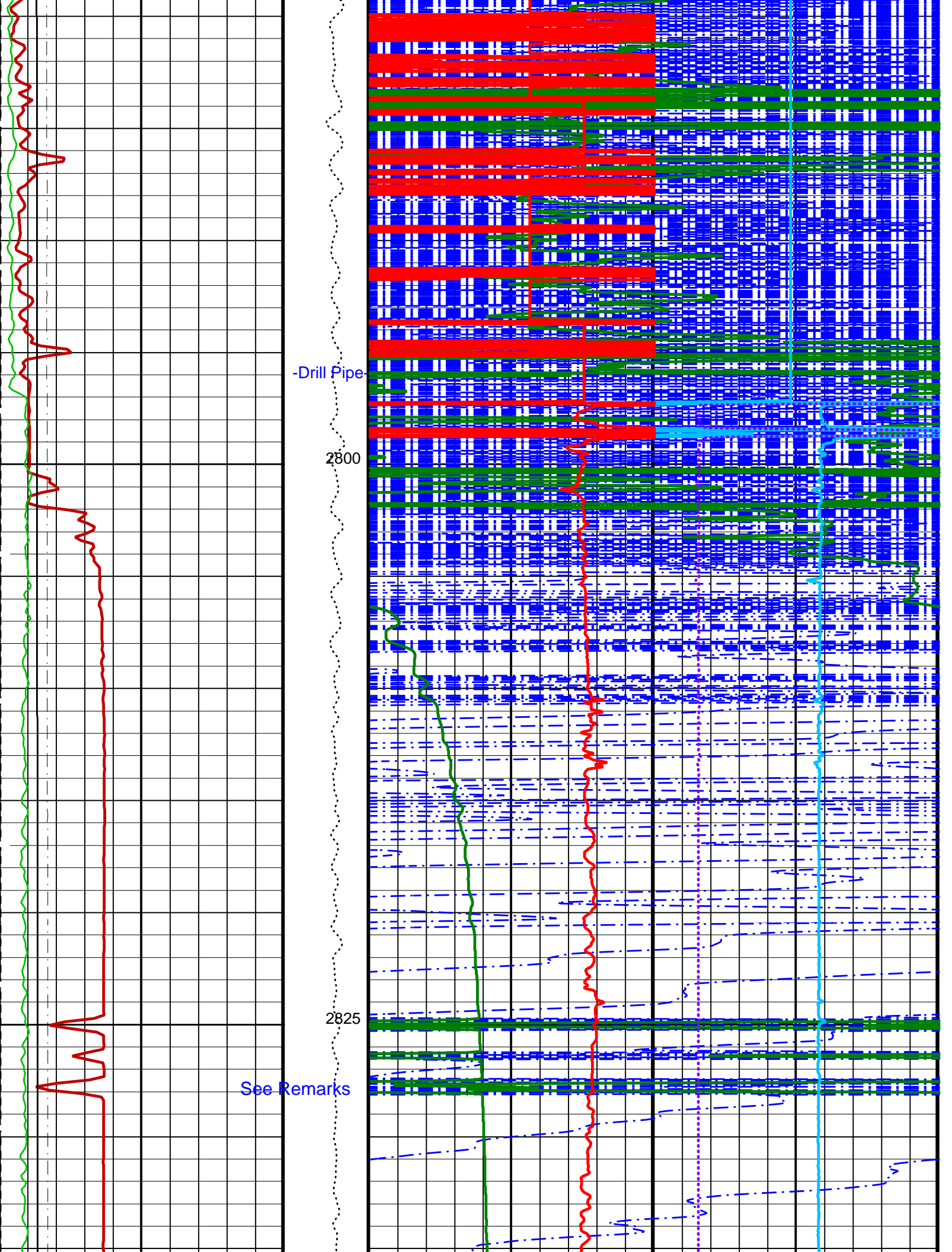
GHMT-A	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

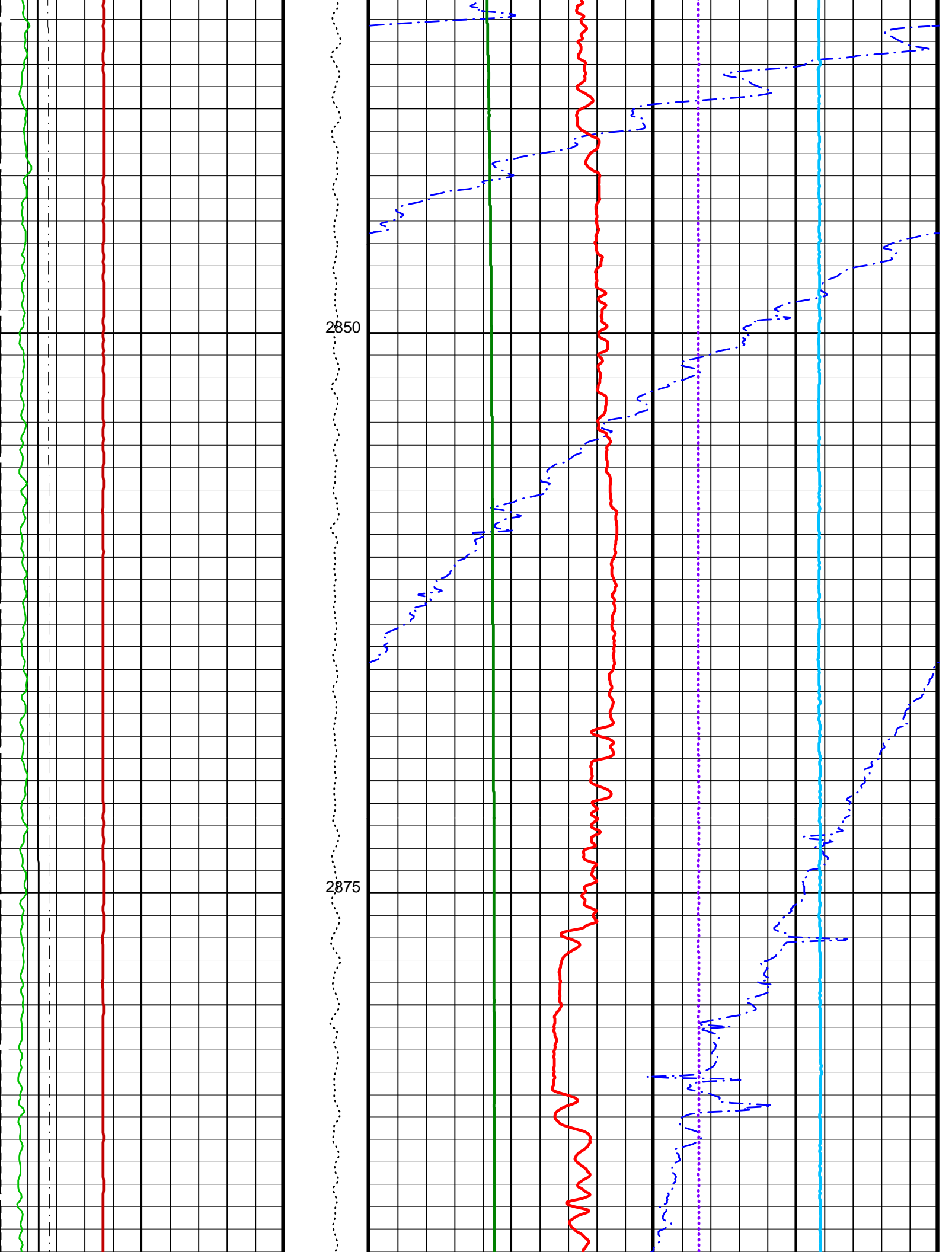
PIP SUMMARY

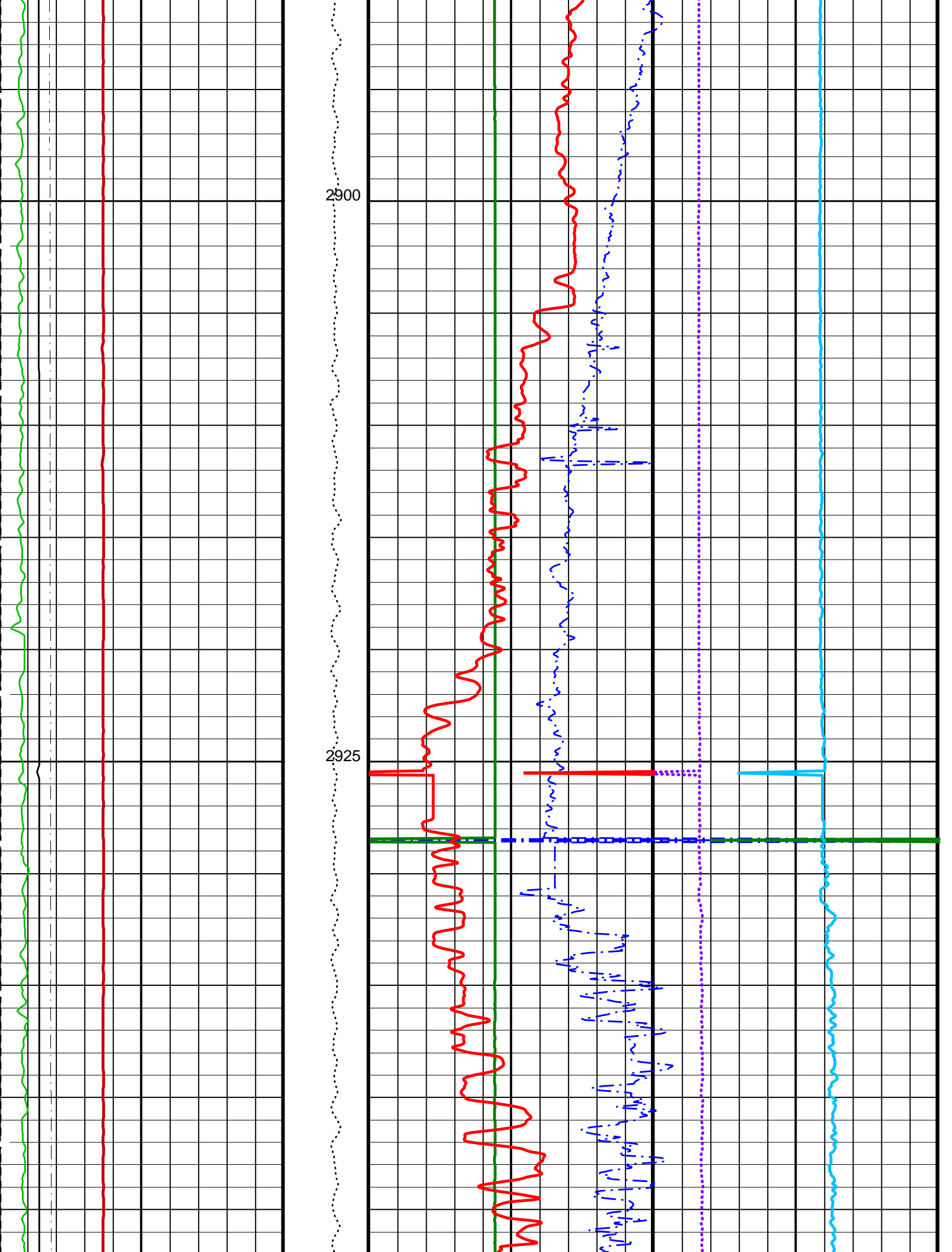
▶ Time Mark Every 60 S

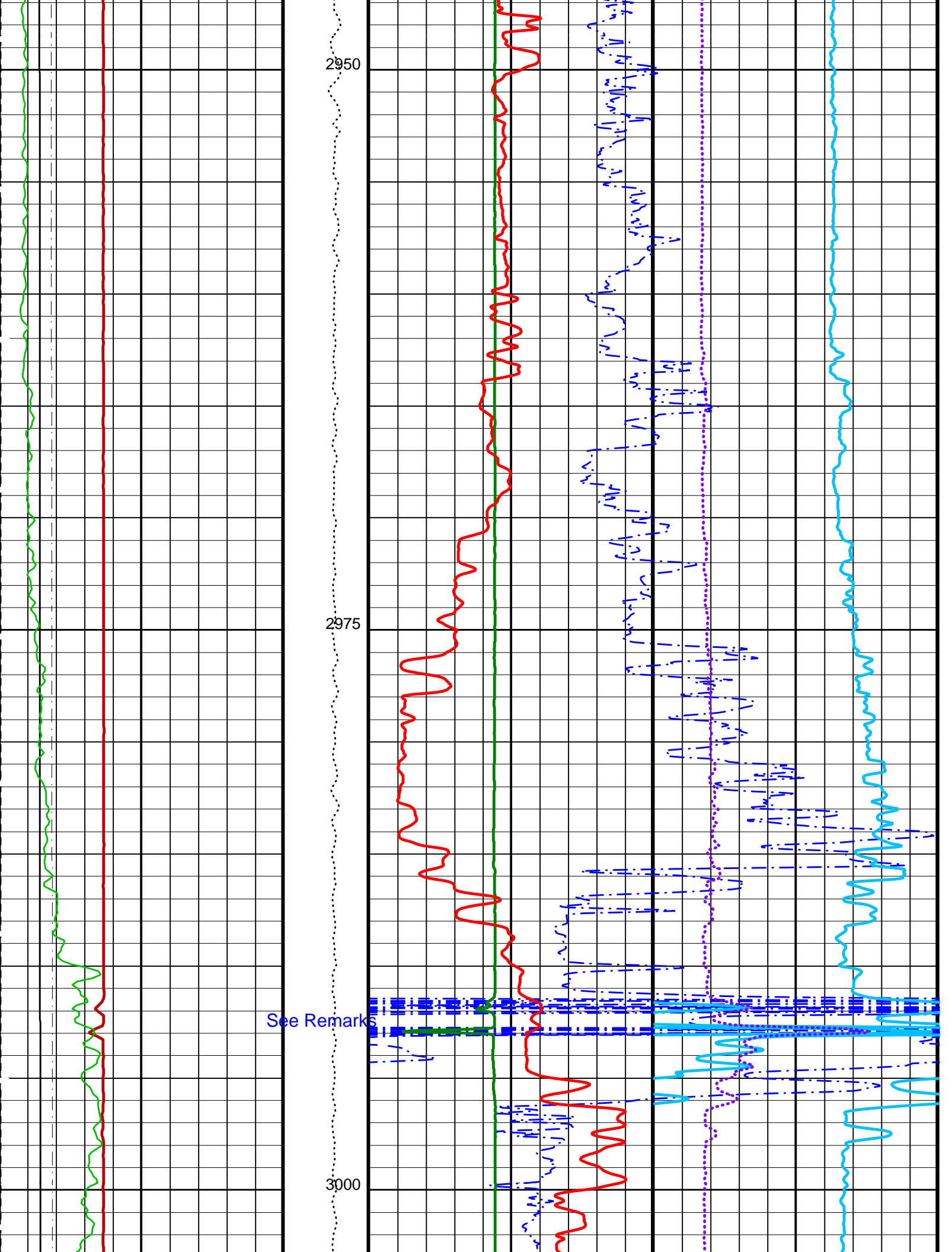
<b style="color: red;">Magnetometer Signal Level (NMSV) 0 (V) 5	<div style="background-color: yellow; padding: 5px; display: inline-block;">MAIN LOG</div>	<b style="color: purple;">Low Resolution Susceptibility (RMGS) -200 (PPM) 3800
<b style="color: green;">Spectroscopy Gamma Ray (SGR) 0 (GAPI) 150		<b style="color: red;">Earth Conductivity (MAGC) -100 (PPM) 400
Receiver Coil Temperature (SURT) 0 (DEGF) 400	<b style="color: green;">Earth Magnetic Field (MAGB) 60000 (MTES) 70000	
NMRS Differential Temperature (SXRT) 0 (DEGF) 40	<b style="color: blue;">Differential Magnetic Field (DMGB) 50 (MTES) 0	
Magnetometer Temperature (NMST) 0 (DEGF) 400	Tension (TENS) (LBF) 10000 0	

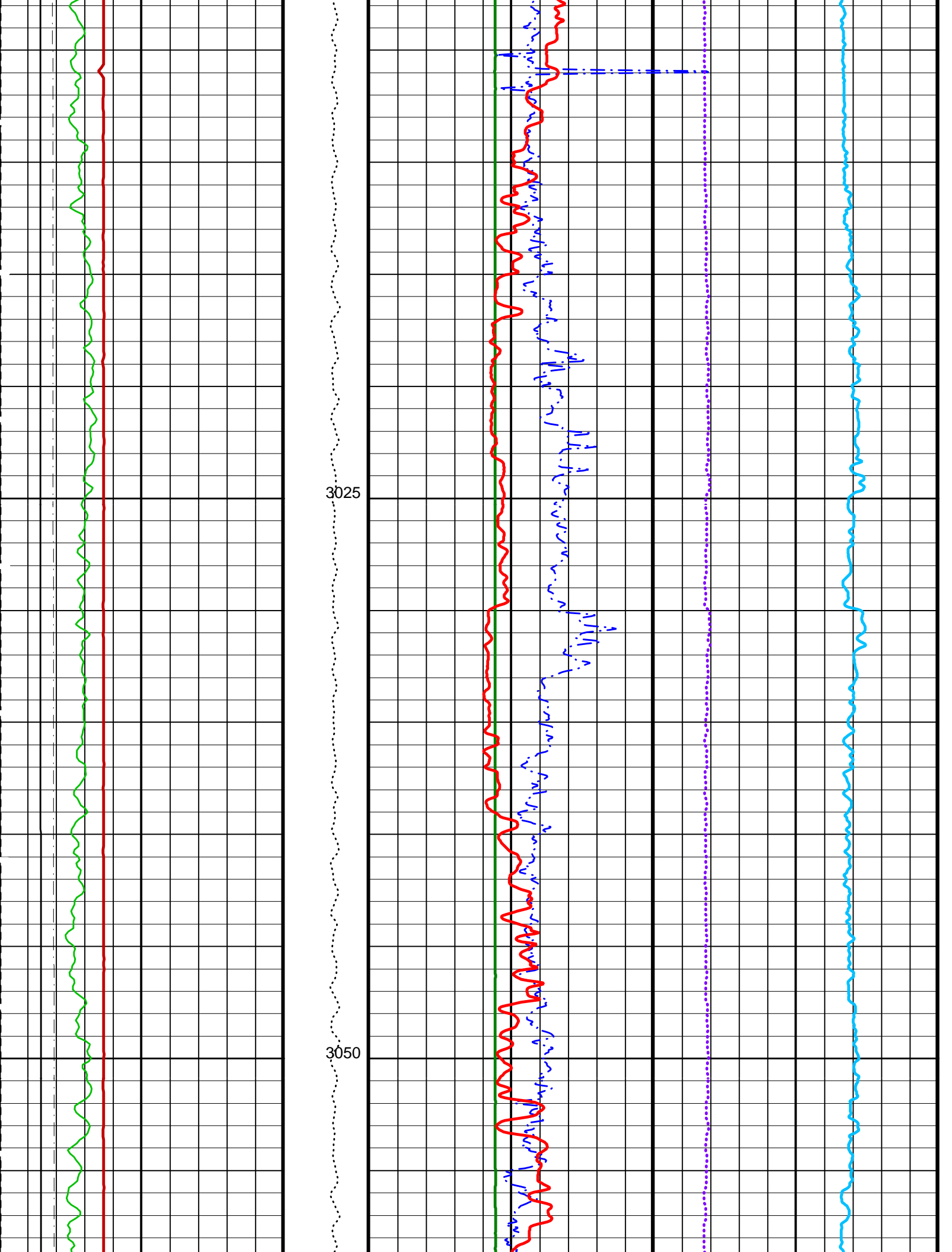


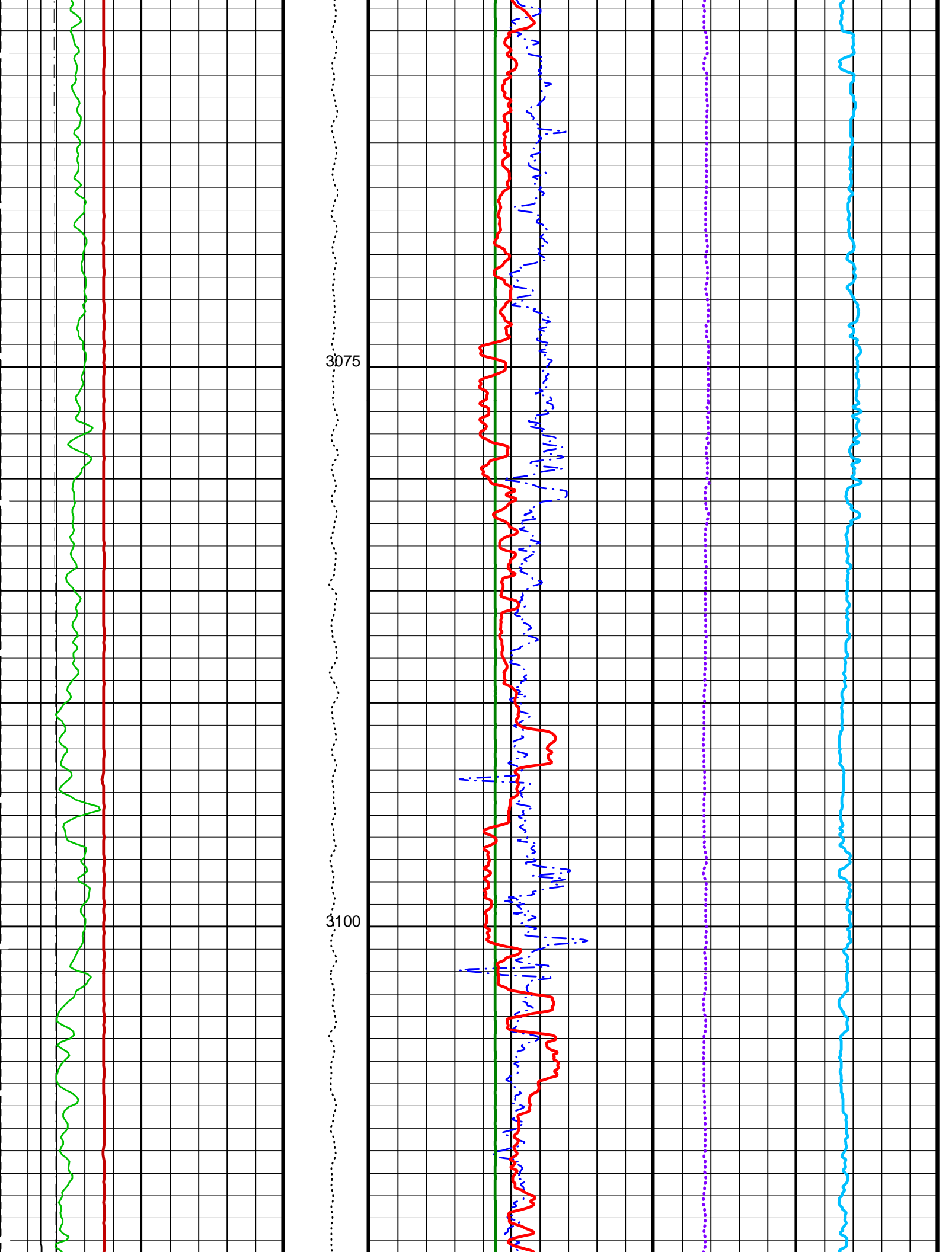


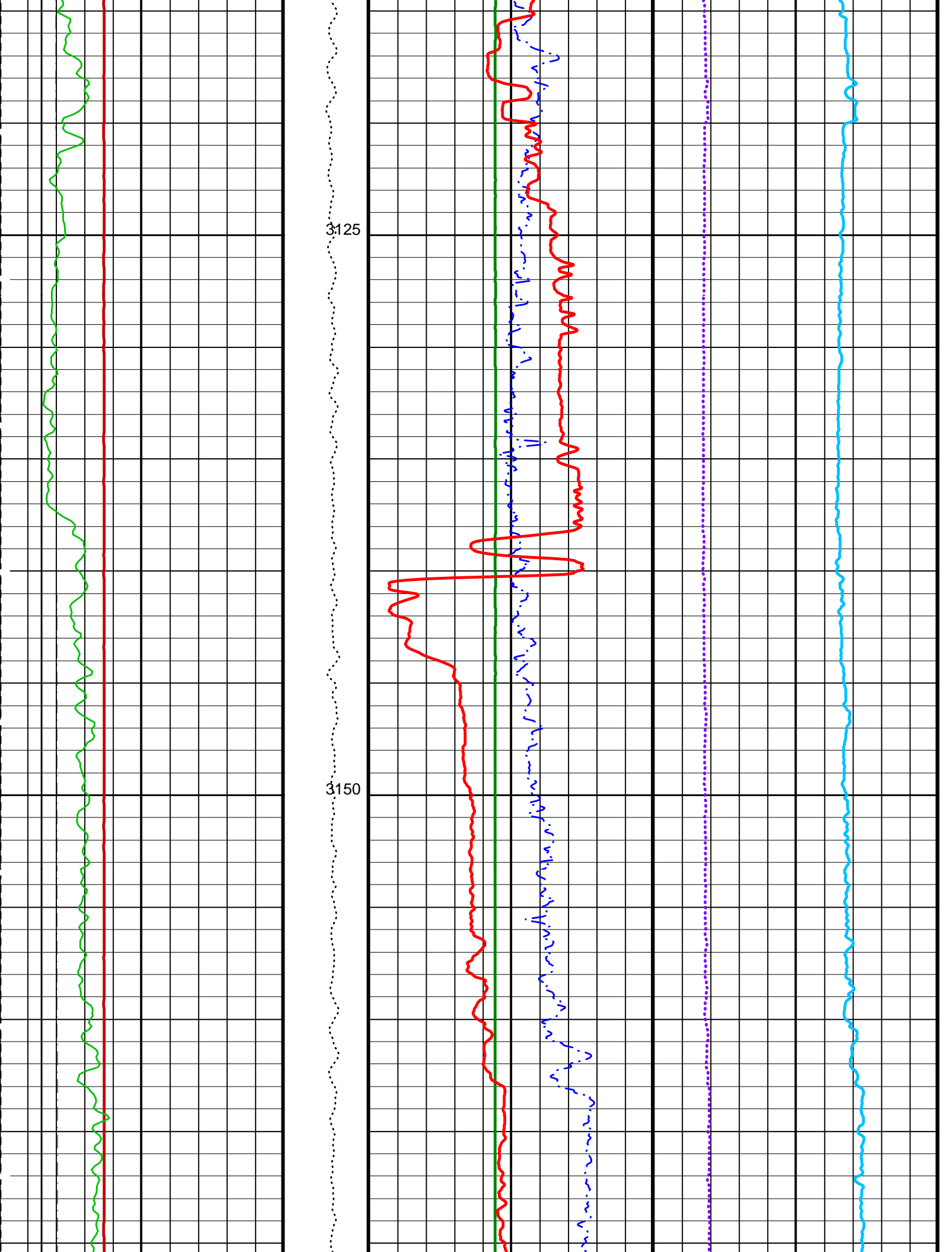


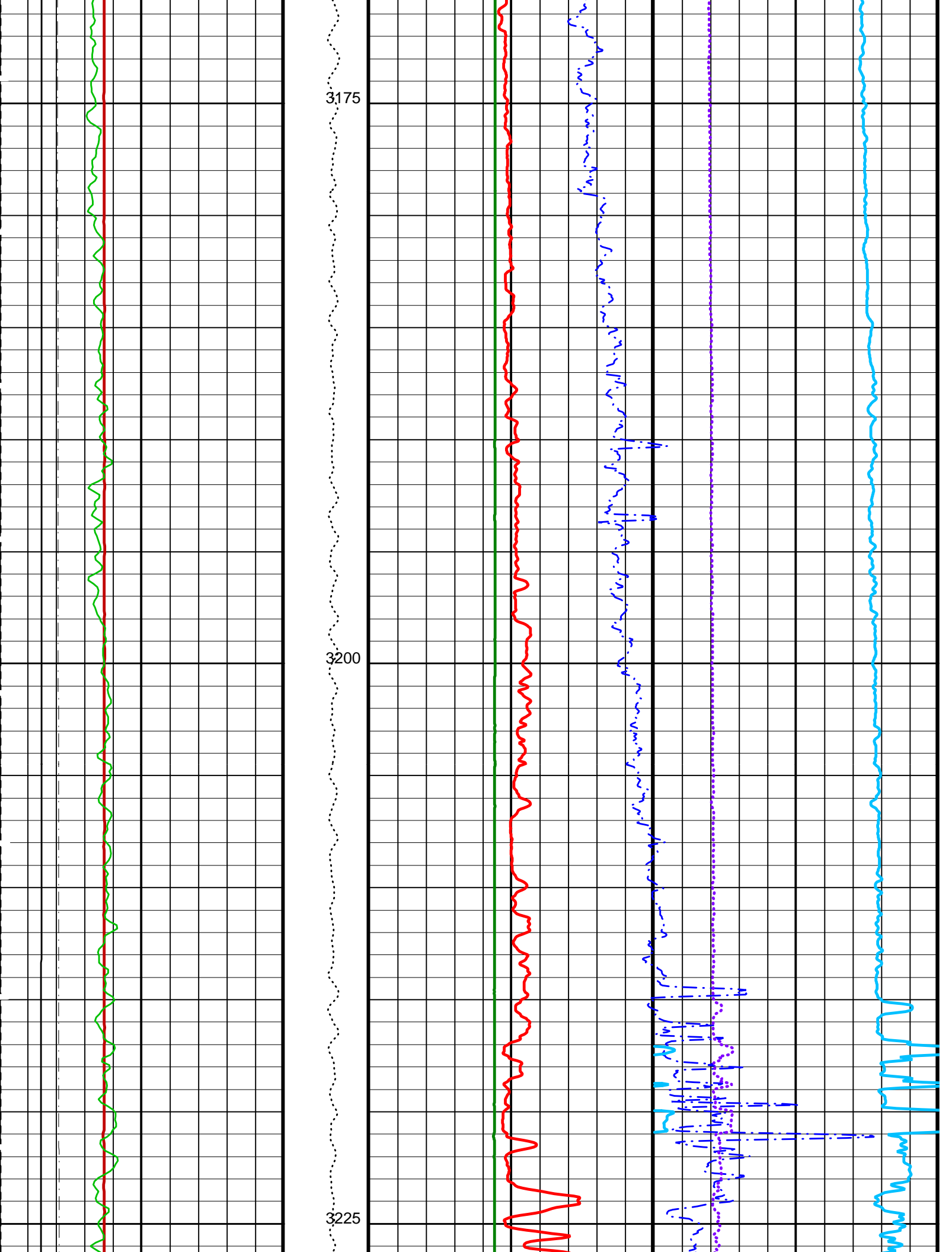


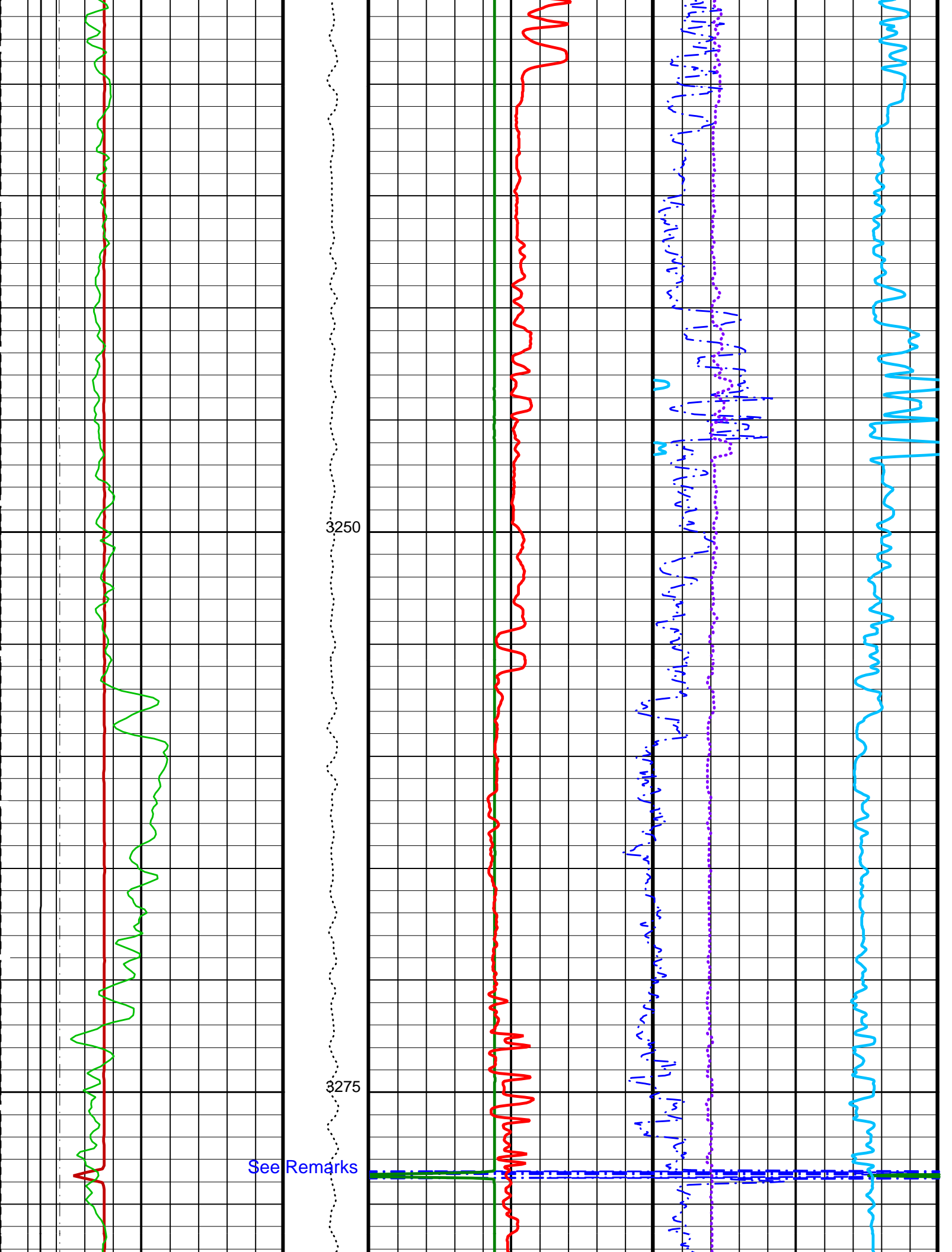








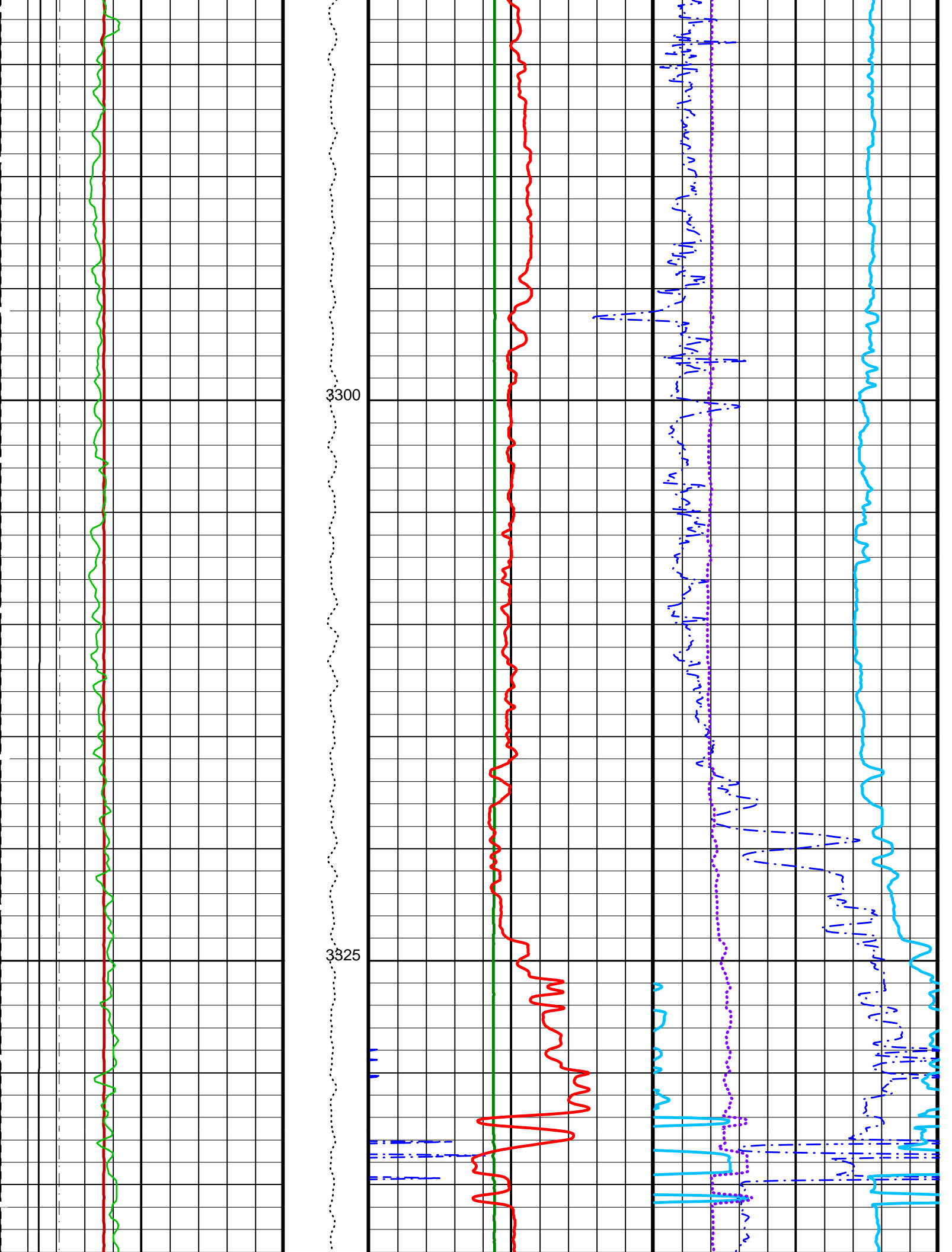


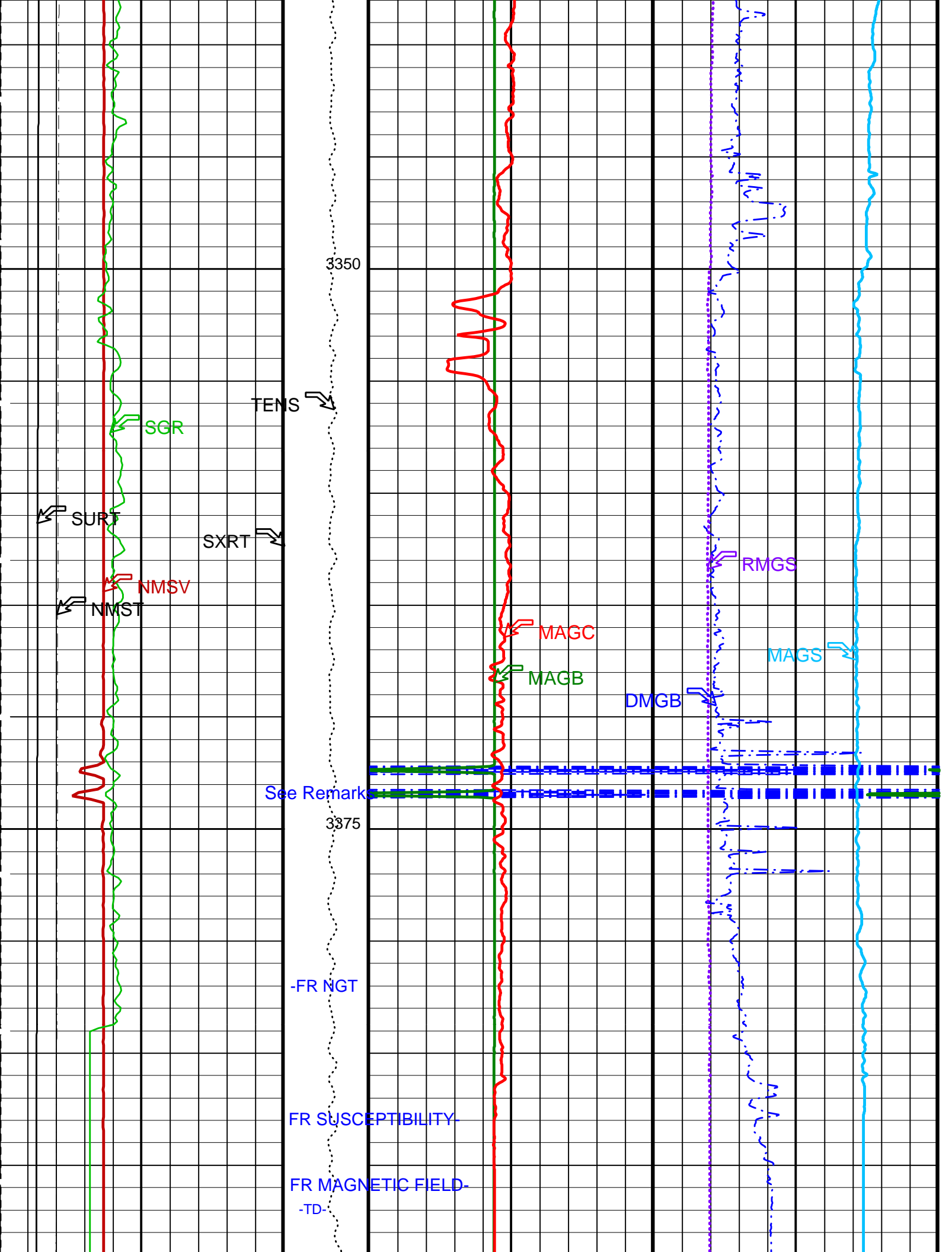


3250

3275

See Remarks





3350

TENS ↘

SGR ↗

↖ SURT

SXRT ↗

NMSV ↗

↖ NMST

MAGC ↗

MAGB ↗

DMGB ↗

RMGS ↗

MAGS ↗

See Remarks

3375

-FR NGT

FR SUSCEPTIBILITY

FR MAGNETIC FIELD-
-TD-

Magnetometer Temperature (NMST) (DEGF) 0 400	Tension (TENS) (LBF) 10000 0	Differential Magnetic Field (DMGB) (MTES) 50 0
NMRS Differential Temperature (SXRT) (DEGF) 0 40		Earth Magnetic Field (MAGB) (MTES) 60000 70000
Receiver Coil Temperature (SURT) (DEGF) 0 400	Earth Conductivity (MAGC) (PPM) -100 400	Magnetic Susceptibility (MAGS) (PPM) -200 800
Spectroscopy Gamma Ray (SGR) (GAPI) 0 150	MAIN LOG	Low Resolution Susceptibility (RMGS) (PPM) -200 3800
Magnetometer Signal Level (NMSV) (V) 0 5		

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
KMIN	Potassium Minimum	0
KSHA	Potassium Shale	0.02
MAGR	Reference Earth Magnetic Field	62458 MTES
NFO	NGT Filtering Option	KALMAN
PMUD	Potassium Mud	0 %
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: 03-May-2000 02:29

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		

Output DLIS Files

DEFAULT	GHMT .018	FN:29 PRODUCER	03-May-2000 02:29
GHMT_CUST	GHMT .018	FN:30 PRODUCER	03-May-2000 02:29

Output DLIS Files

DEFAULT	GHMT .020	FN:33 PRODUCER	03-May-2000 05:14	3010.1 M	2889.5 M
GHMT_CUST	GHMT .020	FN:34 PRODUCER	03-May-2000 05:14	3010.1 M	2889.5 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

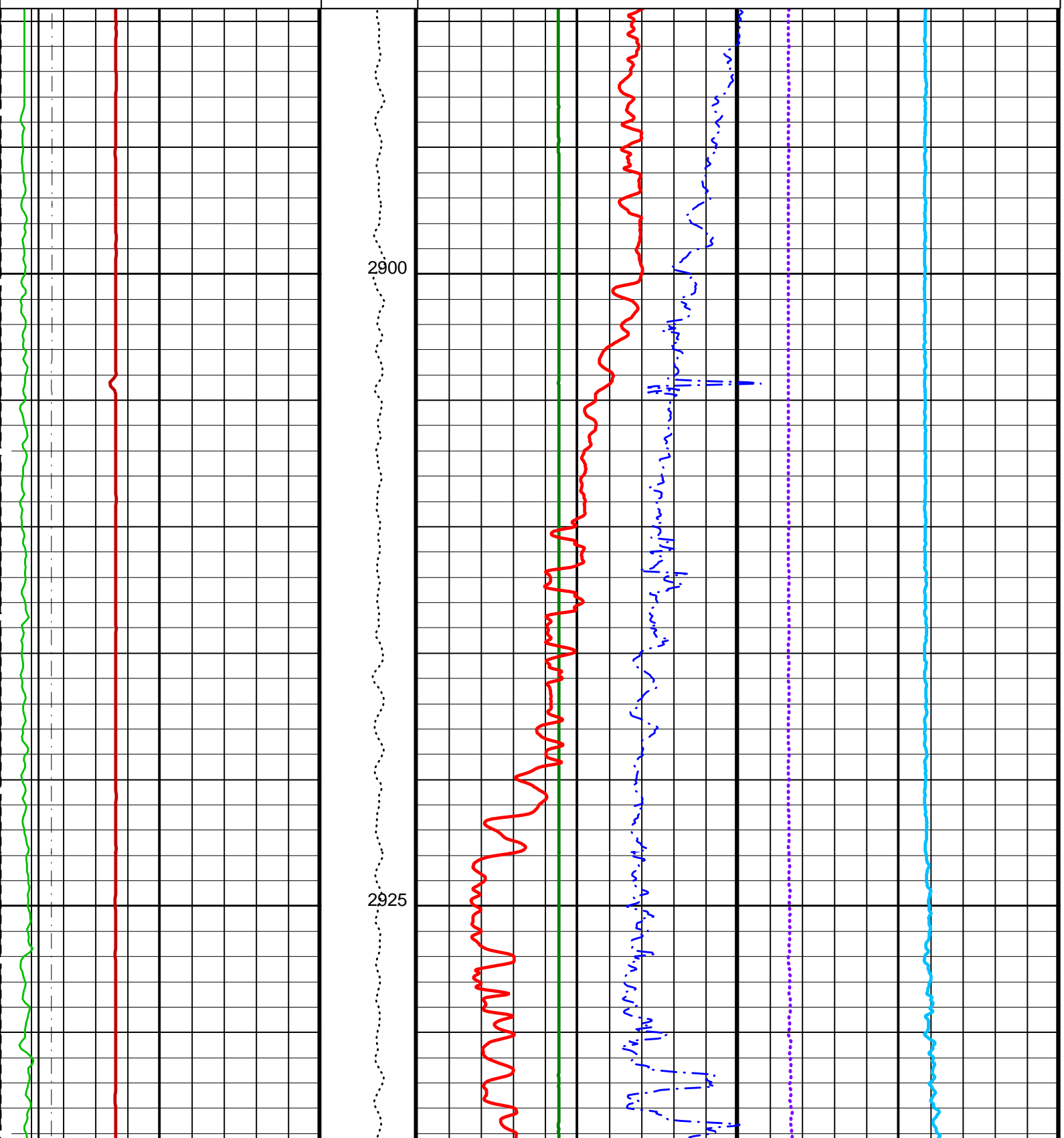
Time Mark Every 60 S

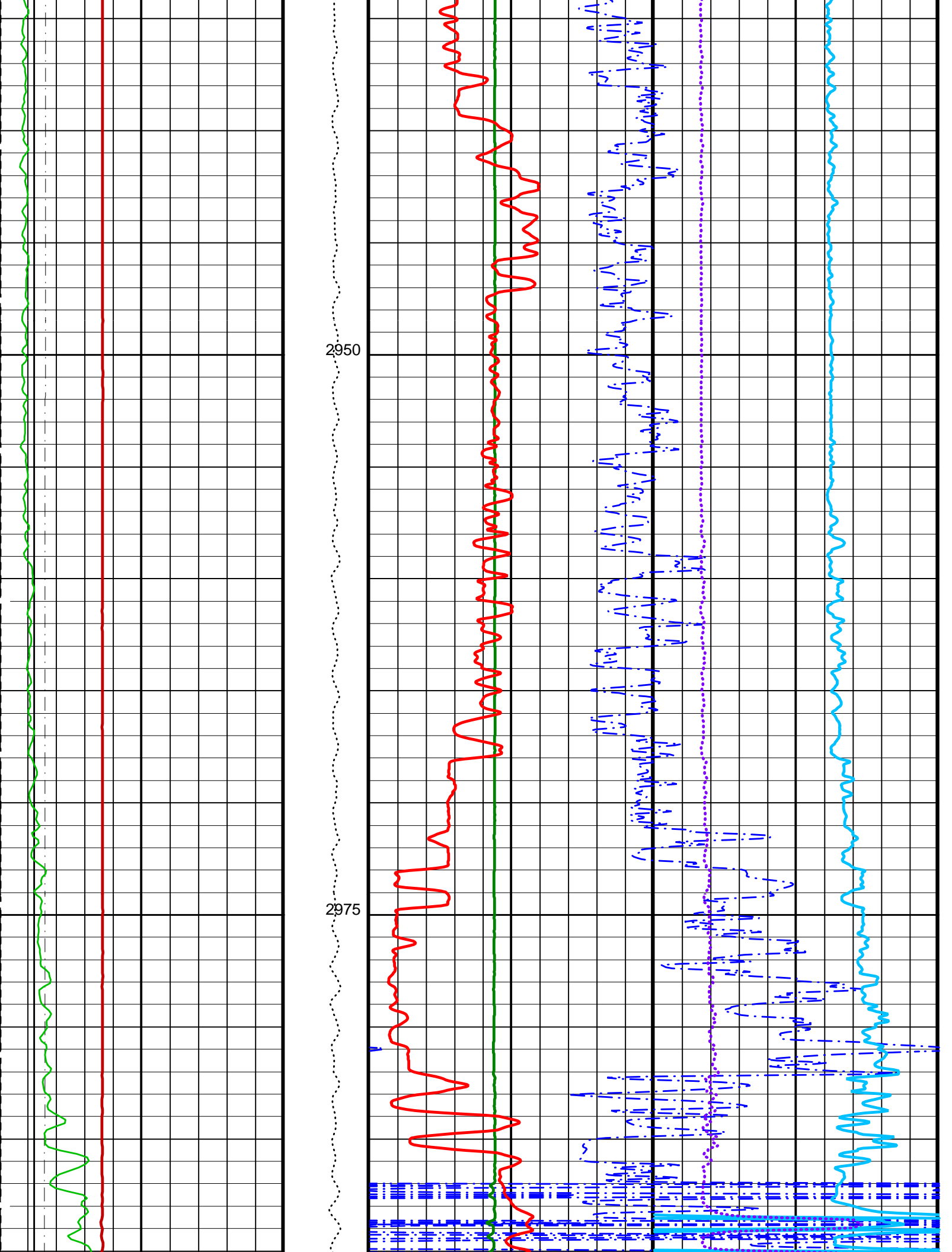
Magnetometer Signal Level (NMSV) (V) 0 5

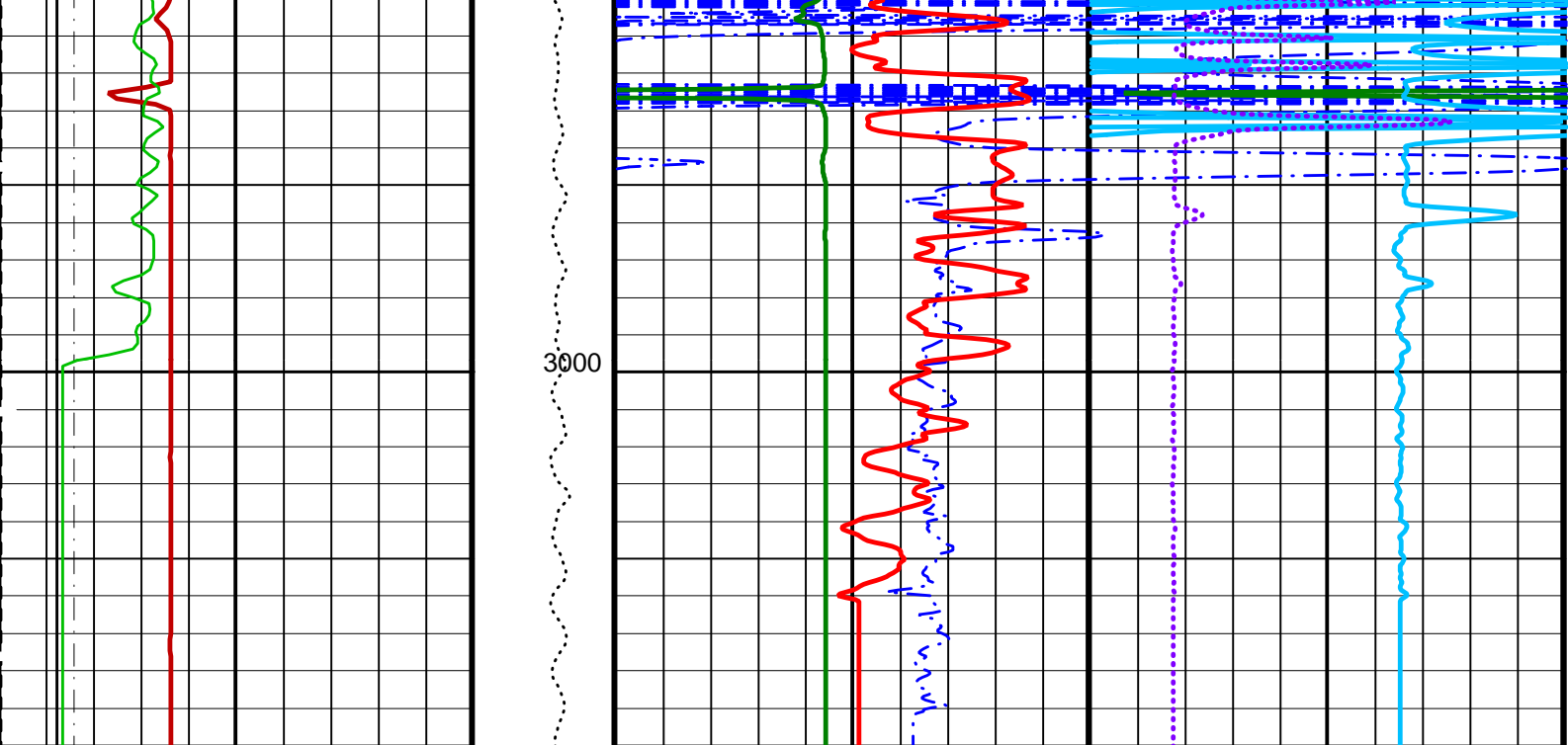
Spectroscopy Gamma Ray (SGR)		
0	(GAPI)	150
Receiver Coil Temperature (SURT)		
0	(DEGF)	400
NMRS Differential Temperature (SXRT)		
0	(DEGF)	40
Magnetometer Temperature (NMST)		
0	(DEGF)	400

REPEAT SECTION

Earth Conductivity (MAGC)		Magnetic Susceptibility (MAGS)	
-100	(PPM)	400	
Earth Magnetic Field (MAGB)		Low Resolution Susceptibility (RMGS)	
60000	(MTES)	70000	
Tension (TENS) (LBF)		Differential Magnetic Field (DMGB)	
50			0







Magnetometer Temperature (NMST) (DEGF)	0	400	Tension (TENS) (LBF)		50	0	Differential Magnetic Field (DMGB) (MTES)	
NMRS Differential Temperature (SXRT) (DEGF)	0	40	Earth Magnetic Field (MAGB) (MTES)		60000	70000	Earth Conductivity (MAGC) (PPM)	
Receiver Coil Temperature (SURT) (DEGF)	0	400	Magnetic Susceptibility (MAGS) (PPM)		-200	800	Low Resolution Susceptibility (RMGS) (PPM)	
Spectroscopy Gamma Ray (SGR) (GAPI)	0	150	Magnetometer Signal Level (NMSV) (V)		0	5		

REPEAT SECTION

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
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
MAGR	Reference Earth Magnetic Field	62458	MTES
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
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: 03-May-2000 05:14

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		

Output DLIS Files

DEFAULT	GHMT .020	FN:33 PRODUCER	03-May-2000 05:14
GHMT_CUST	GHMT .020	FN:34 PRODUCER	03-May-2000 05:14

COMPANY: **Lamont Doherty**

WELL: **ODP Leg 189, Site 1172D (ETP-2A)**

FIELD: **East Tasmania**

COUNTY: **Offshore**

STATE: **Pacific Ocean**

BOTTOM LOG INTERVAL	3391 m
SCHLUMBERGER DEPTH	3395 m
DEPTH DRILLER	3399.85 m
KELLY BUSHING	11.2 m
DRILL FLOOR	10.9 m
GROUND LEVEL	2621.7 m

Schlumberger

**Geological High Sensitivity
Magnetic Log**