Company	UNION VALLEY PETROLEUM CORP.
Well	LINDA 1-8
Field	CALDWELL NORTH
County	SUMMER
State	KANSAS

RECON

COMPENSATED NEUTRON
LITHOLOGY DENSITY
GAMMA RAY XY-CALIPER
MICROLOG

SEC	TWP	RGE
8	35	3

OTHER SERVICES:
DIL

Location. 2390' FNL 504' FEL
SURF. SAME API #. 15-191-22840

Permanent Datum . Ground Level Elevation: 1150
Log Measured From . Kelly Bushing Latitude: 37.017978
Drilling Measured From Kelly Bushing Longitude: -97.656789

ELEVATIONS K.B. 1163
G.L. 1150
D.F. N/A

Date		18-JAN-2022					
Run No.		ONE					
TD Driller		4844	ft.			ft.	
TD RECON		4842	ft.			ft.	
Bot Logged Interval		4842	ft.			ft.	
Top Logged Interval		50	ft.			ft.	
Casing Depth Driller		8.625	in.	@ 399		in.	@
Casing Depth RECON		8.625	in.	@ 390		in.	@
Bit Size		7.875	in.			in.	
Drilling Fluid Type		GEL/CHEM					
Density	Viscosity	9.2(lbm/gal)		53(s)			
Fluid Loss	PH	8.8(cc)		11.5			
Source Of Sample		Flowline					
RM @ Measured Temp		0.809	Ohmm	@ 75°F		Ohmm	@
RMF @ Measured Temp		0.607	Ohmm	@ 75°F		Ohmm	@
RMC @ Measured Temp		1.21	Ohmm	@ 75°F		Ohmm	@
RM @ MRT		0.51	Ohmm	@ 123°F		Ohmm	@
Max Recorded Temp		123°F					
Time Drilling Stopped		17-JAN-2022		20:00			
Time Circulation Stopped		18-JAN-2022		01:30			
Time Logger On Bottom		18-JAN-2022		05:00			
Unit Num	Location	S409		ALVARADO, TX			
Recorded By		O.MARTINEZ					
Witnessed By		DUSTIN JOHNSON					

All interpretations are based on inferences from electrical or other readings, and therefore, RECON cannot and will not guarantee the accuracy of any interpretations of log data. RECON shall not be liable for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from interpretations made by any of our officers, agents or employees, except in the case of provable Gross Negligence or willfull damage. Interpretations are also subject to the terms and conditions of our Price Schedule and General Service Agreement.

RIG INFORMATION

Drill Contr/Rig# DUKE DRILLING

GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE
CNL AND LDT LOGGED IN A LIMESTONE MATRIX
CNL/LDT LOGGED MATRIX: 2.71 g/cc.
CHLORIDES:4000

DISPATCH 24 HR: 682-628-4841
AHV CALCULATED ON A 5.5 IN OD CASING
CREW: A.GONZALEZ, S.MORENO
THANK YOU FOR USING RECON PETROTECHNOLOGIES INC

THANK YOU FOR USING RECON PETROTECHNOLOGIES INC.	CREW: A.GONZALEZ, S.MORENO

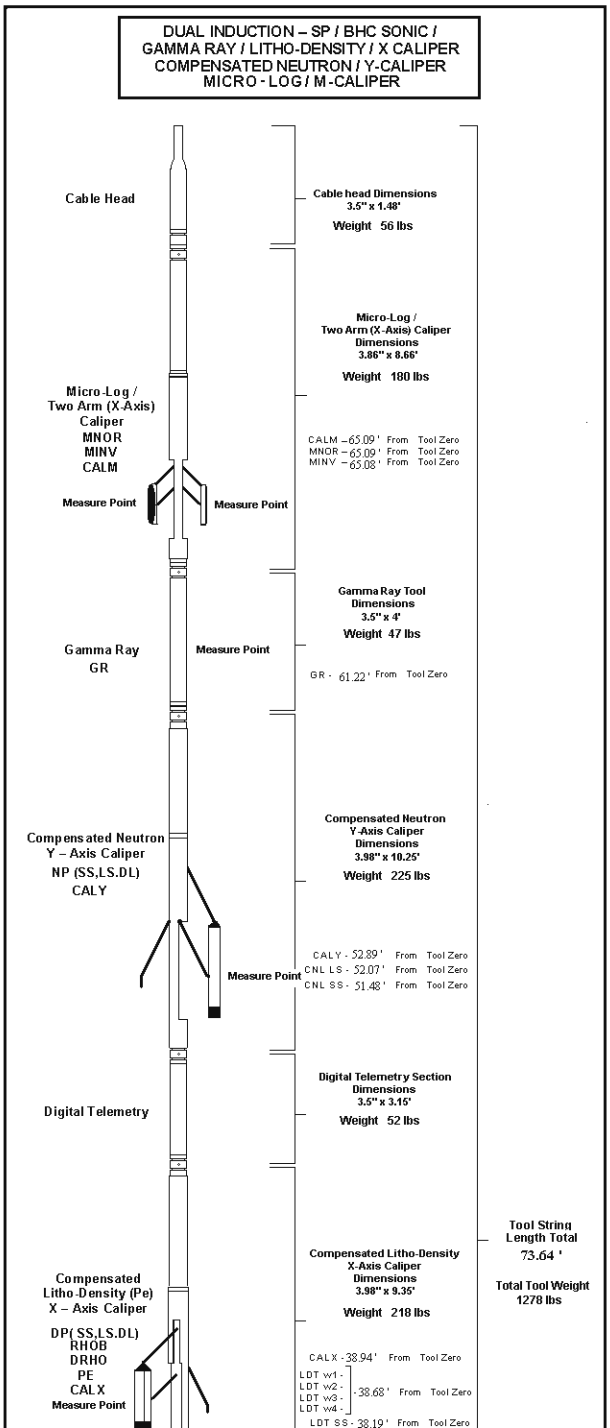
CEMENT VOLUME CALCULATIONS SUMMARY

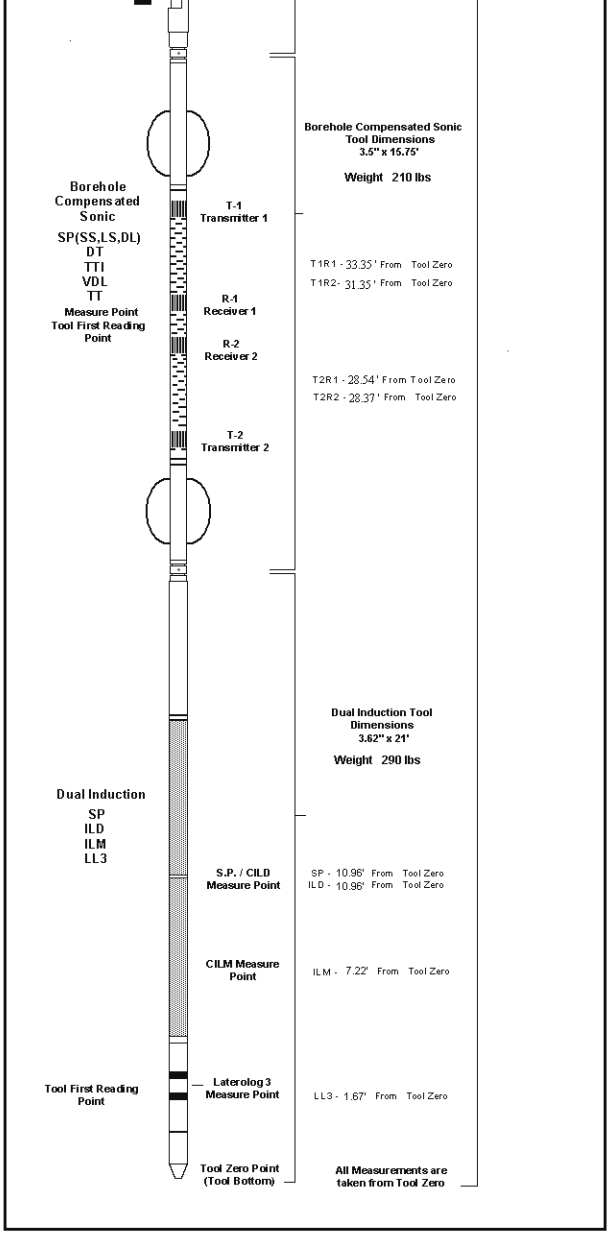
Tool Type	LDT-CNT		
Tool Serial #	RN2011 / RL4115	Caliper Type	X-Y CALIPERS

	Borehole Total	Annular Volume with Casing	From Depth (MKb)	To Depth (MKb)
VOLUMES	1924 Cubic Feet	1160 Cubic Feet	SCG	TD

CASING INFORMATION

	SIZE (in)	GRADE	WEIGHT (lbs/ft)	ID (in)	TOP DEPTH	BOT DEPTH
SURFACE CASING	8.625	N/A	N/A	N/A	Surface	390
INTERMEDIATE CASING	N/A	N/A	N/A	N/A	N/A	N/A
PRODUCTION CASING	5.5	N/A	N/A	N/A	Surface	TD





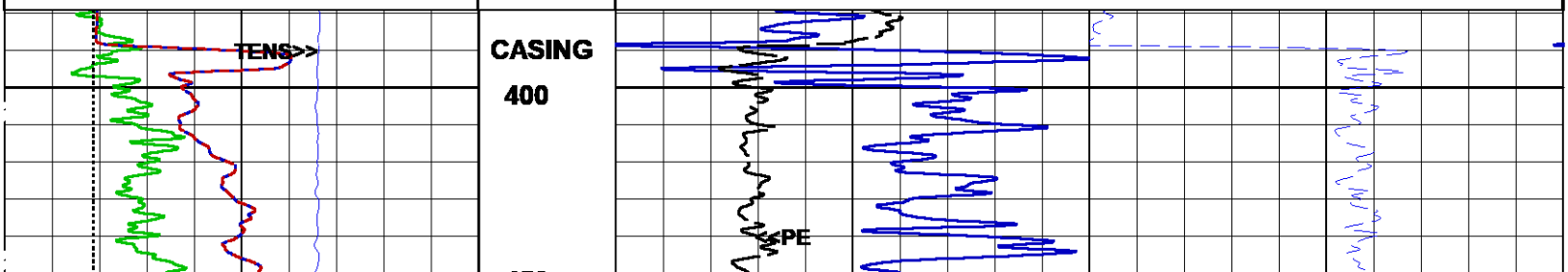
01/18/2022
07:31:10 => End Time

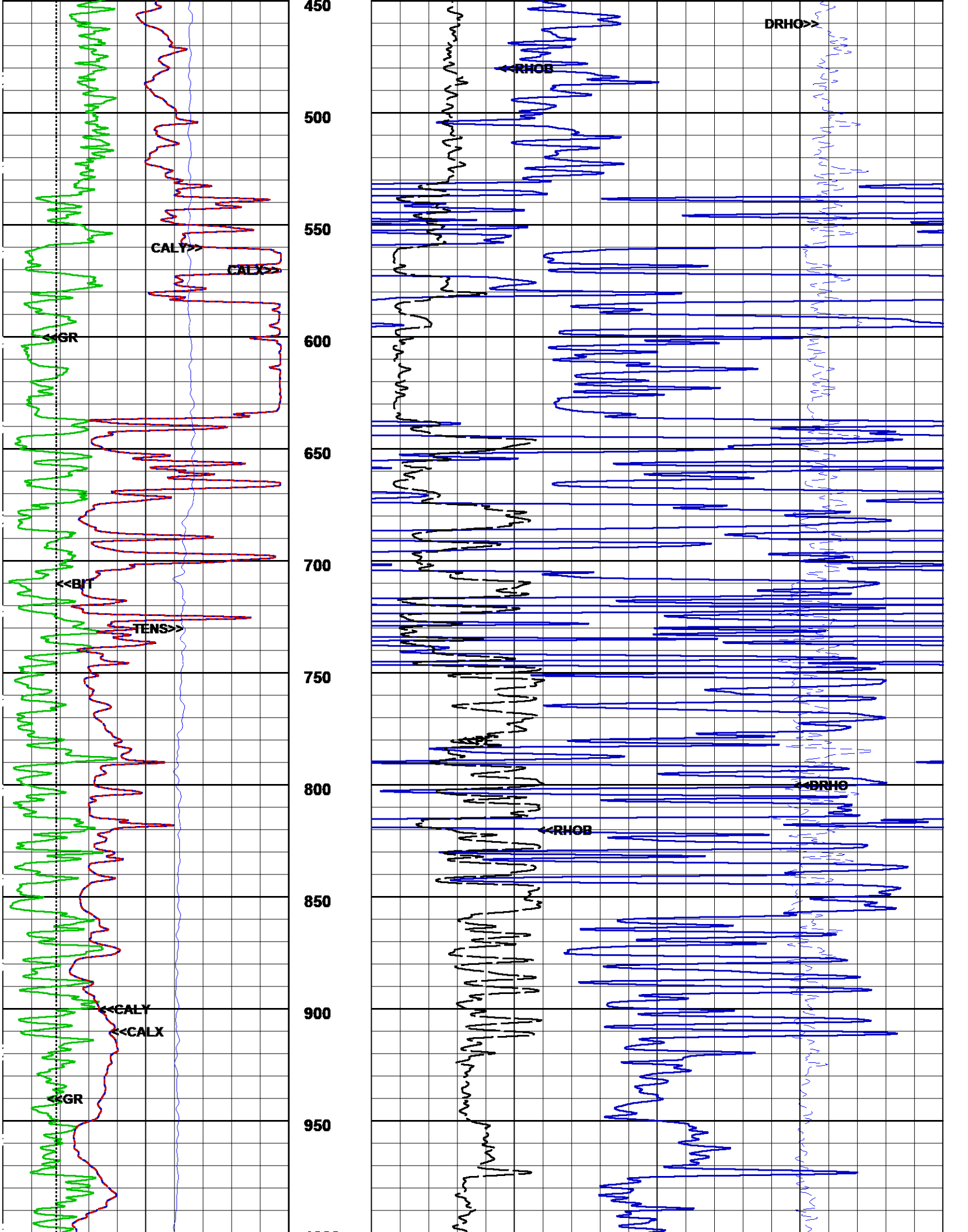
MAIN PASS - RHOB (2"/100Ft)

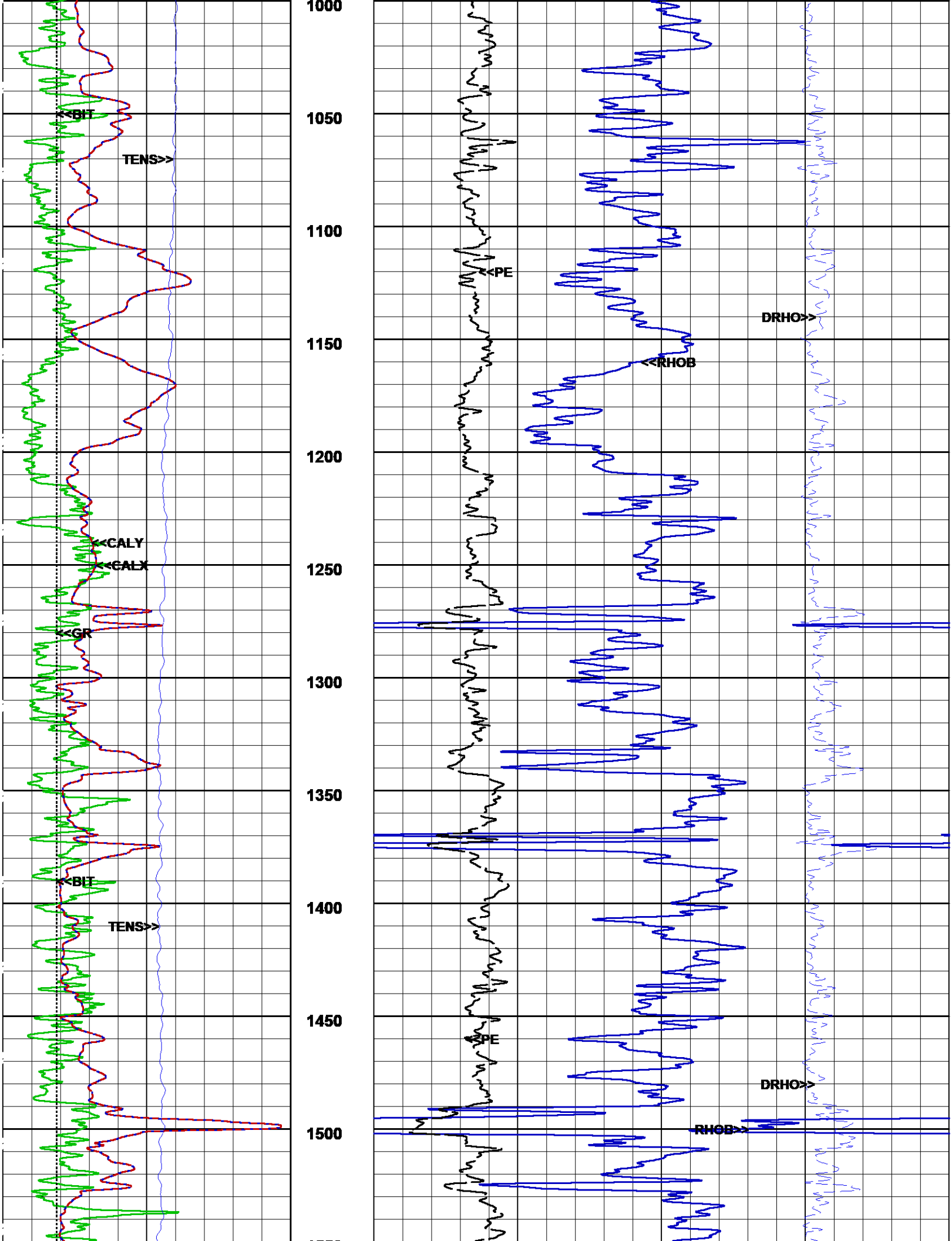
Log UP - (VER 12.52
End Depth=> 379.75 Feet

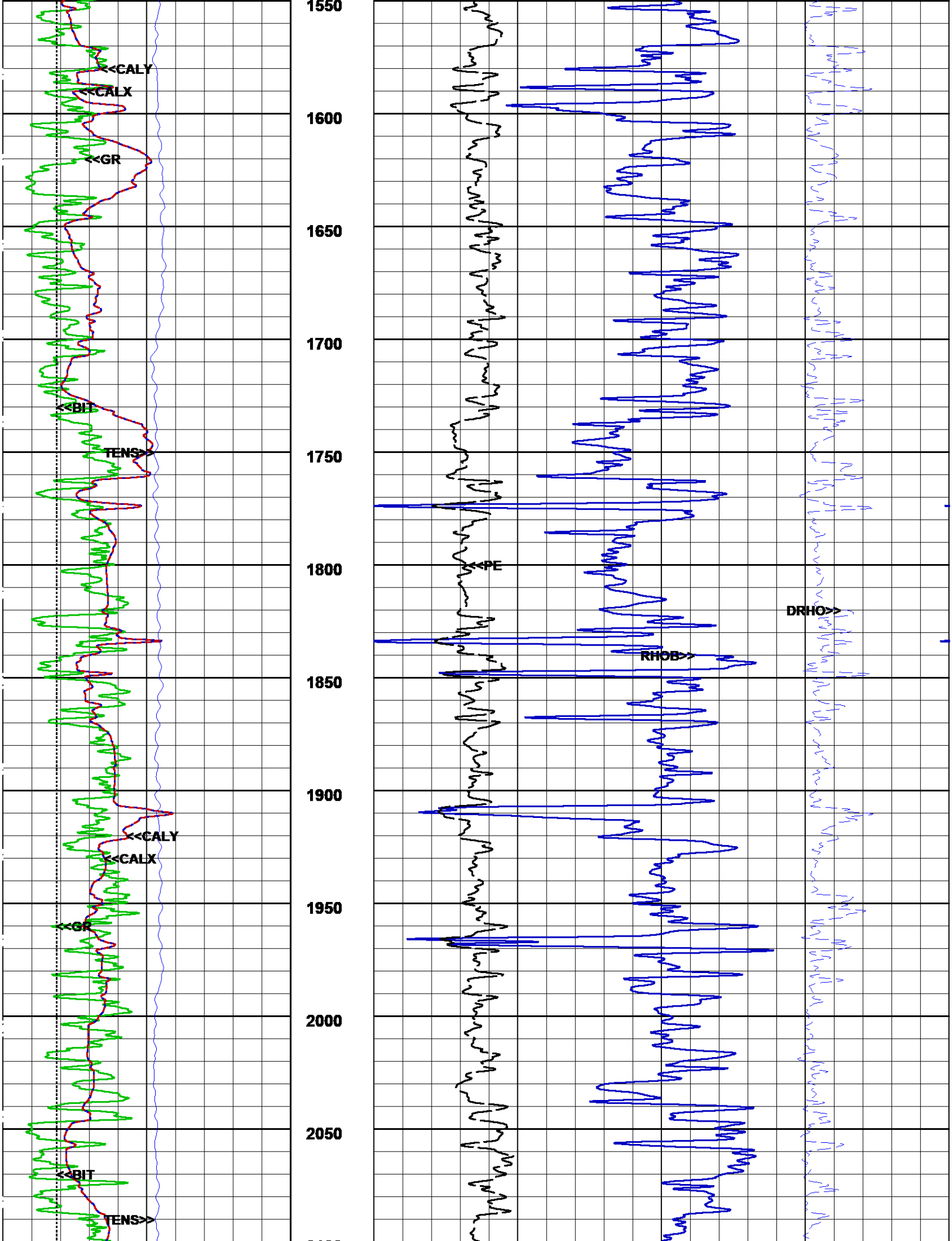
Bit Size (BIT)		
6.	Ref in	16.
Tension (TENS)		
5000.	lbs	0.
Y-Caliper (CALY)		
6.	in	16.
X-Caliper (CALX)		
6.	in	16.
Gamma Ray (GR)		
0.	API	150.

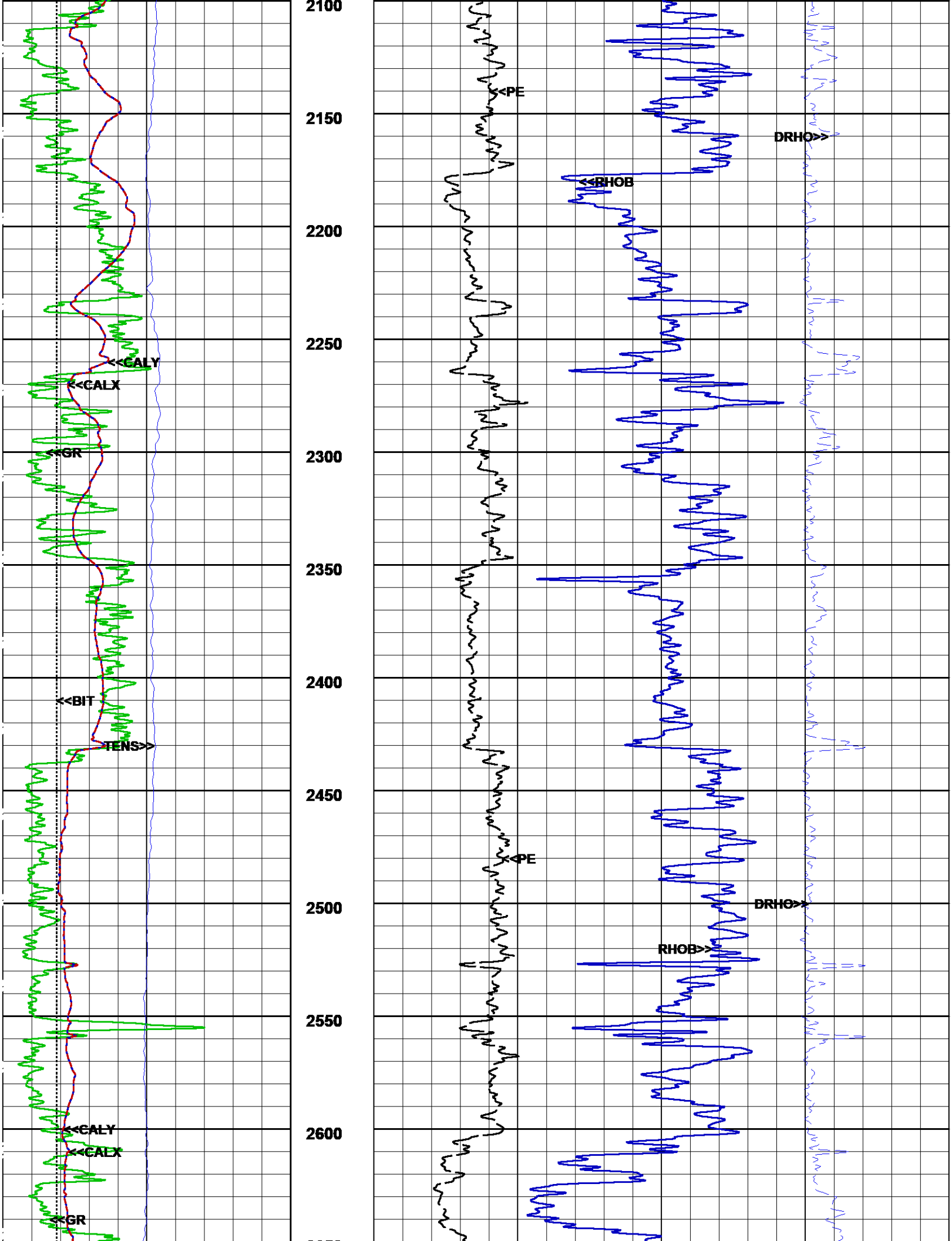
Photo Electric (PE)		
0.	Barns/Elect	10.
Delta RHO (DRHO)		
-0.5	g/cc	0.5
Bulk Density (RHOB)		
2.	g/cc	3.

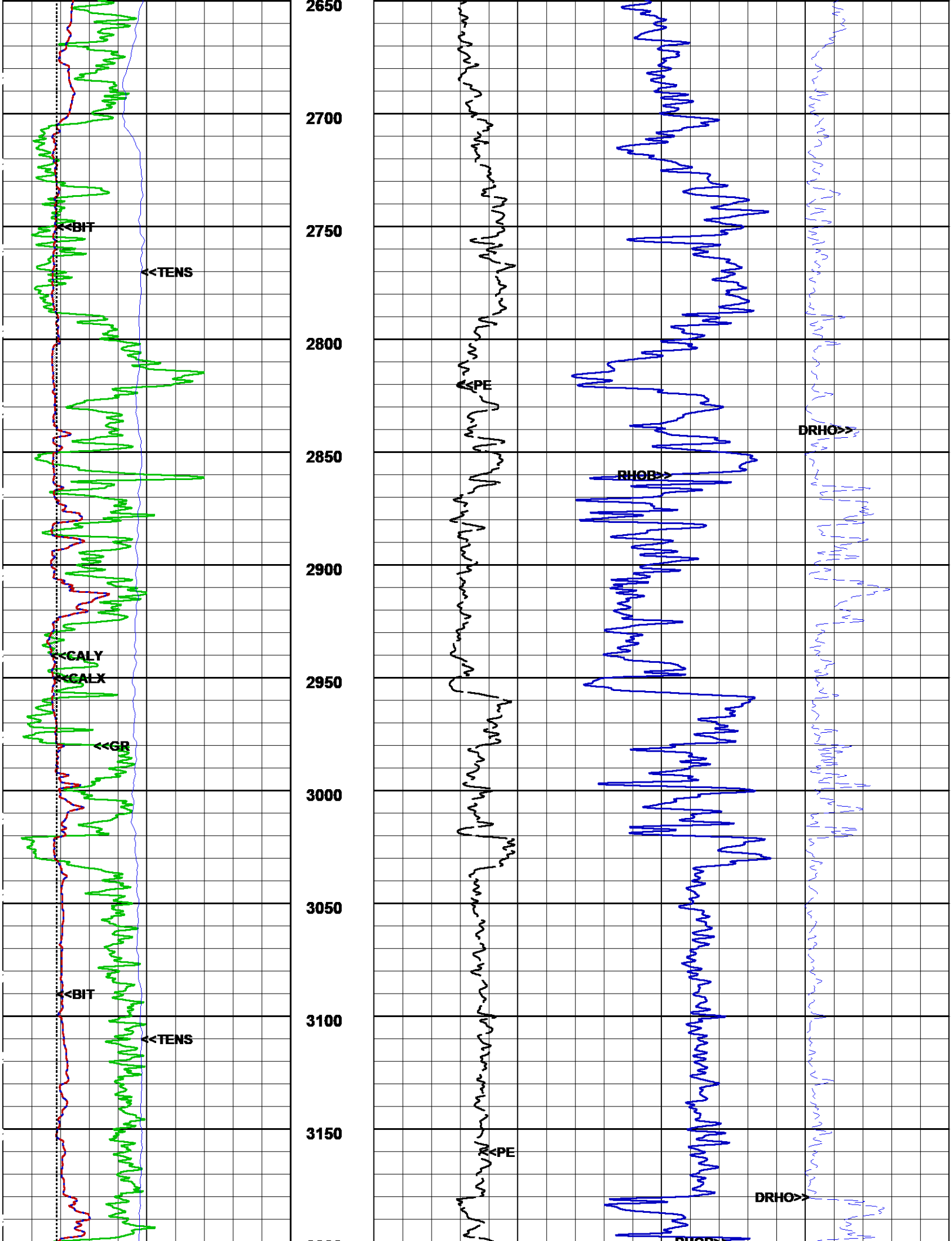


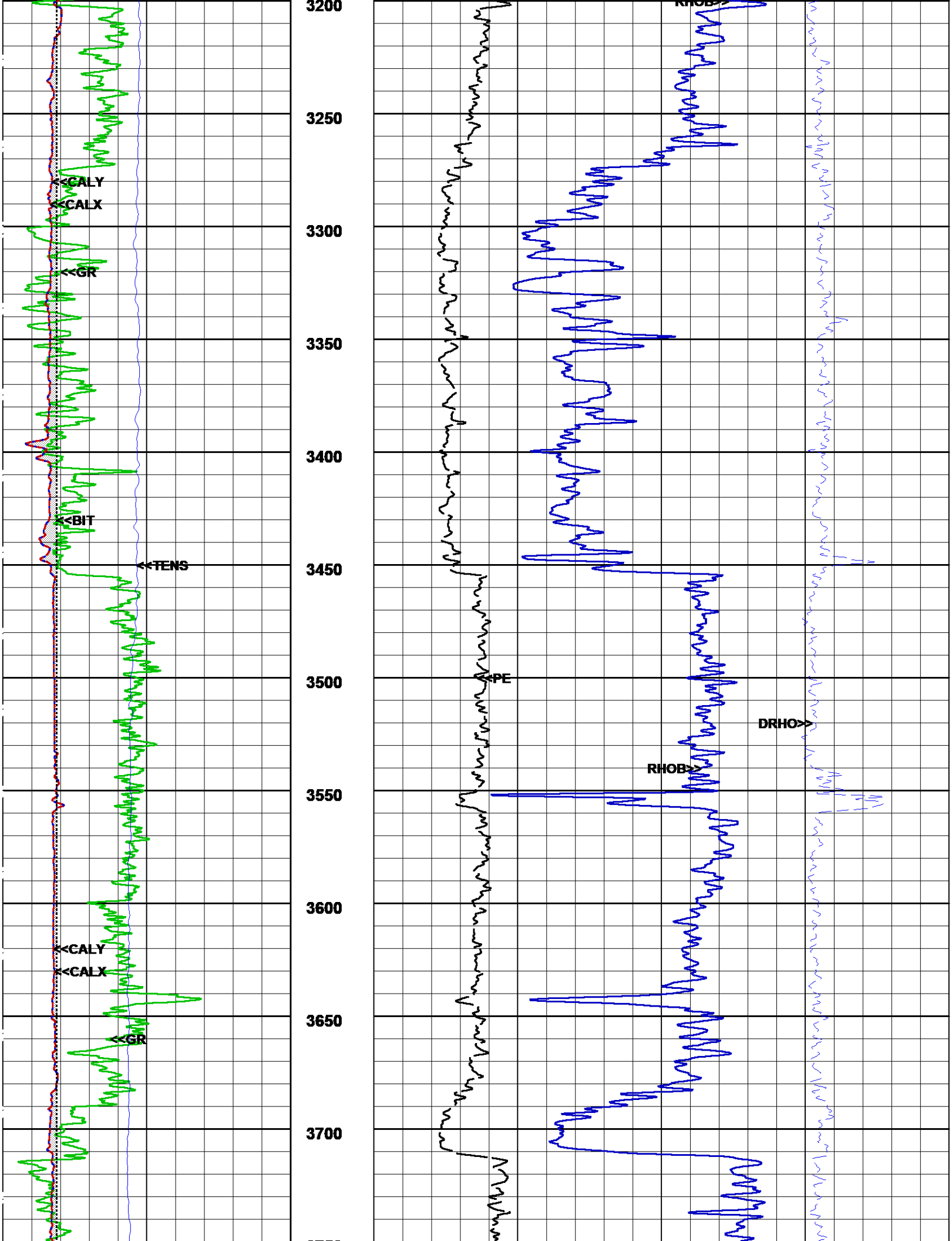

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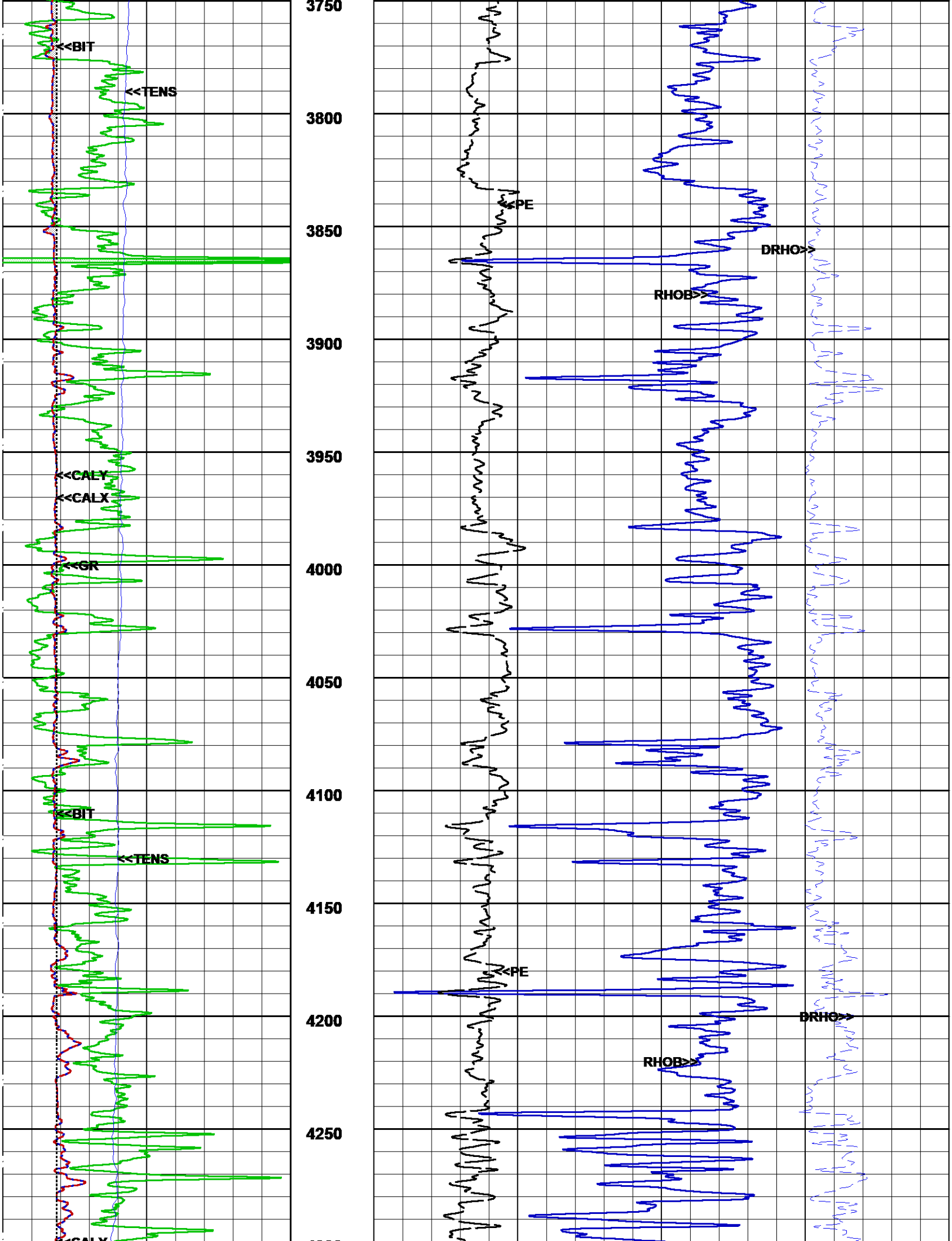

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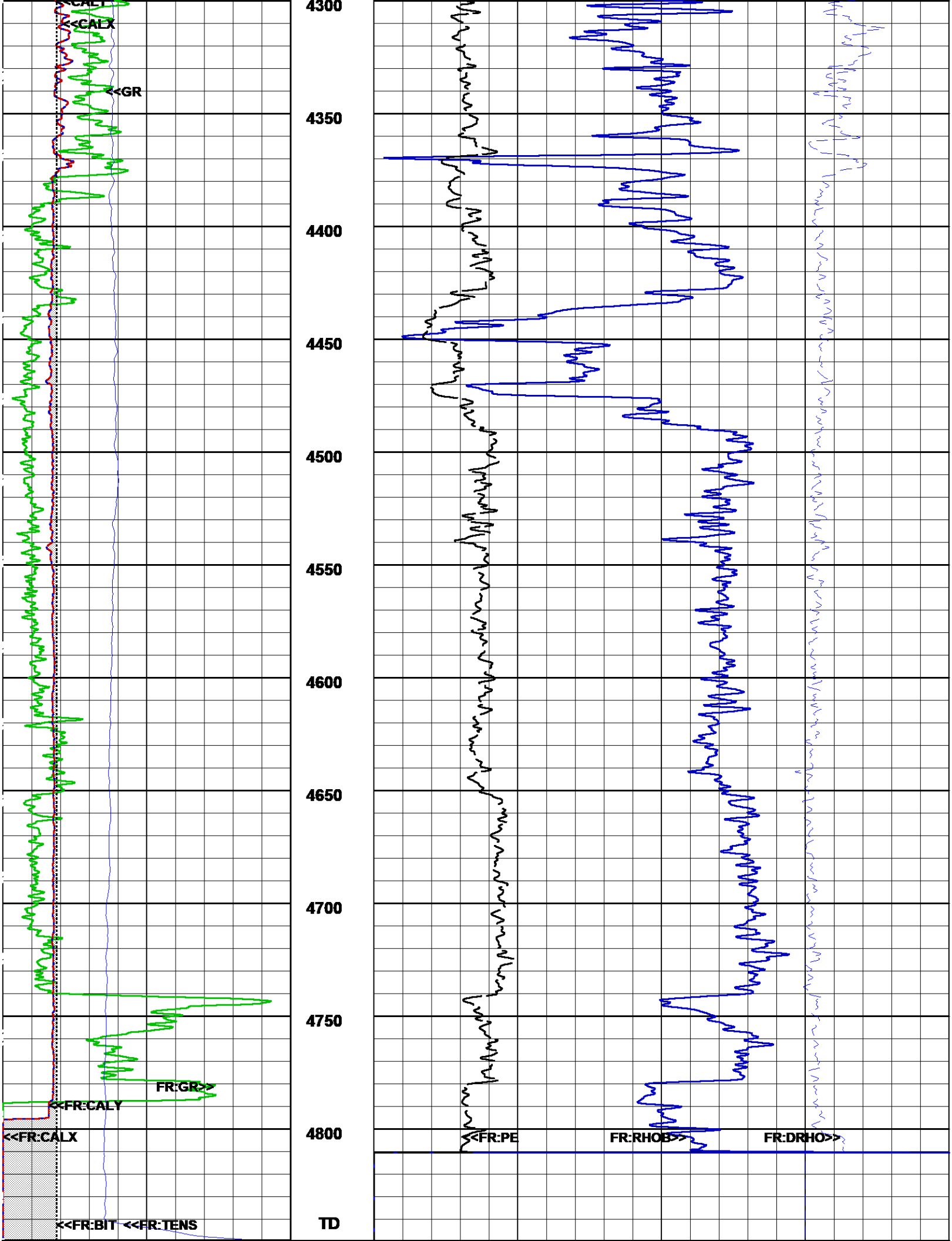

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FR:DRHO>>

Gamma Ray (GR)
0. API 150.

X-Caliper (CALX)
6. in 16.

Y-Caliper (CALY)
6. in 16.

Tension (TENS)
5000. lbs 0.

Bit Size (BIT)
6. Ref in 16.

Bulk Density (RHOB)
2. g/cc 3.

Photo Electric (PE)
0. Barns/Elect 10.

Delta RHO (DRHO)
-0.5 g/cc 0.5

01/18/2022
05:22:17 => Start Time

MAIN PASS - RHOB (2"/100Ft)

Log UP - (VER 12.52
Start Depth=> 4849.00 Feet

01/18/2022
07:31:10 => End Time

MAIN PASS - LIMESTONE (5"/100Ft)

Log UP - (VER 12.52
End Depth=> 379.90 Feet

Bit Size (BIT)
6. Ref in 16.

Tension (TENS)
5000. lbs 0.

Y-Caliper (CALY)
6. in 16.

X-Caliper (CALX)
6. in 16.

Gamma Ray (GR)
0. API 150.

{1"} (MINV)
0. ohms 40.

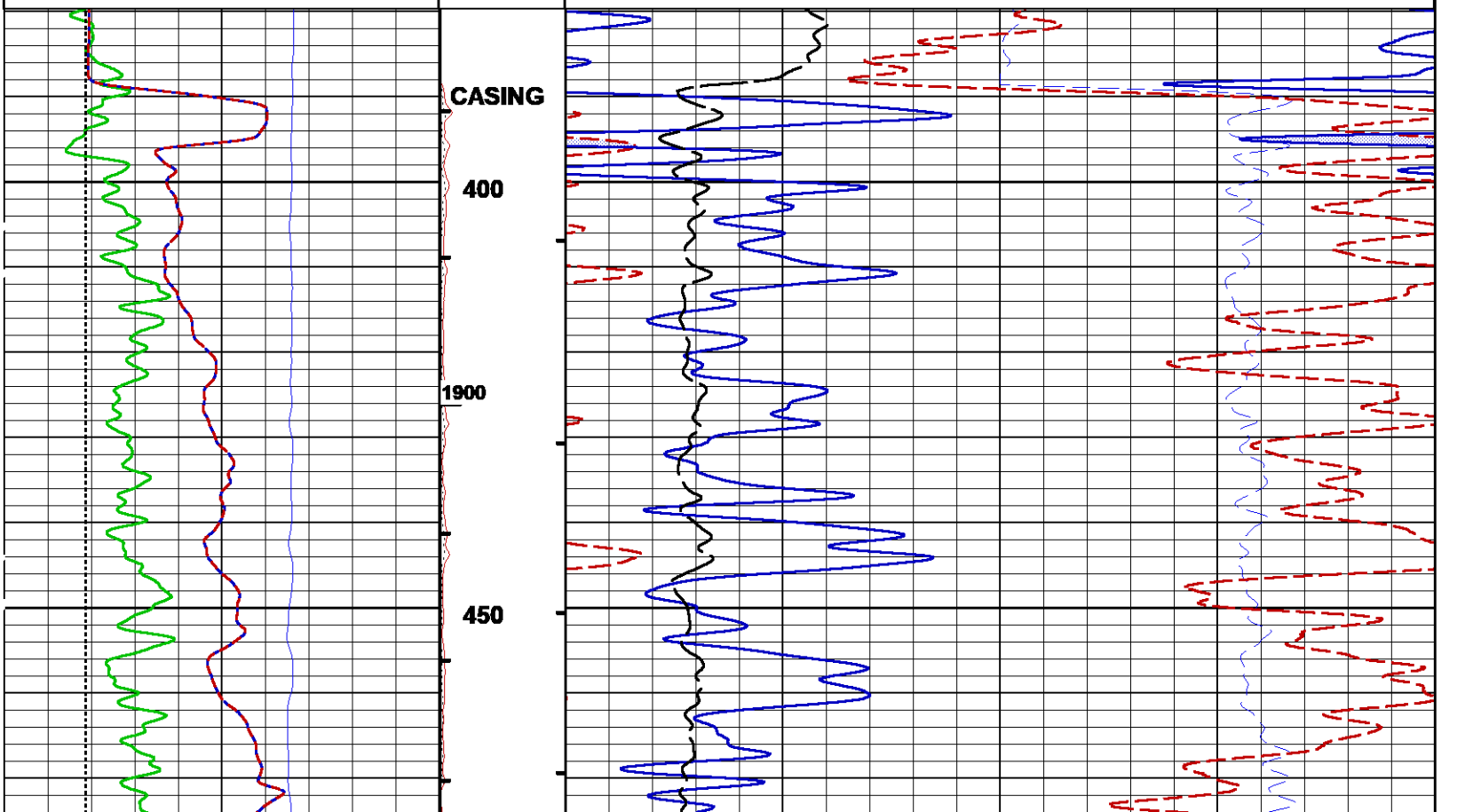
{2"} (MNOR)
0. ohms 40.

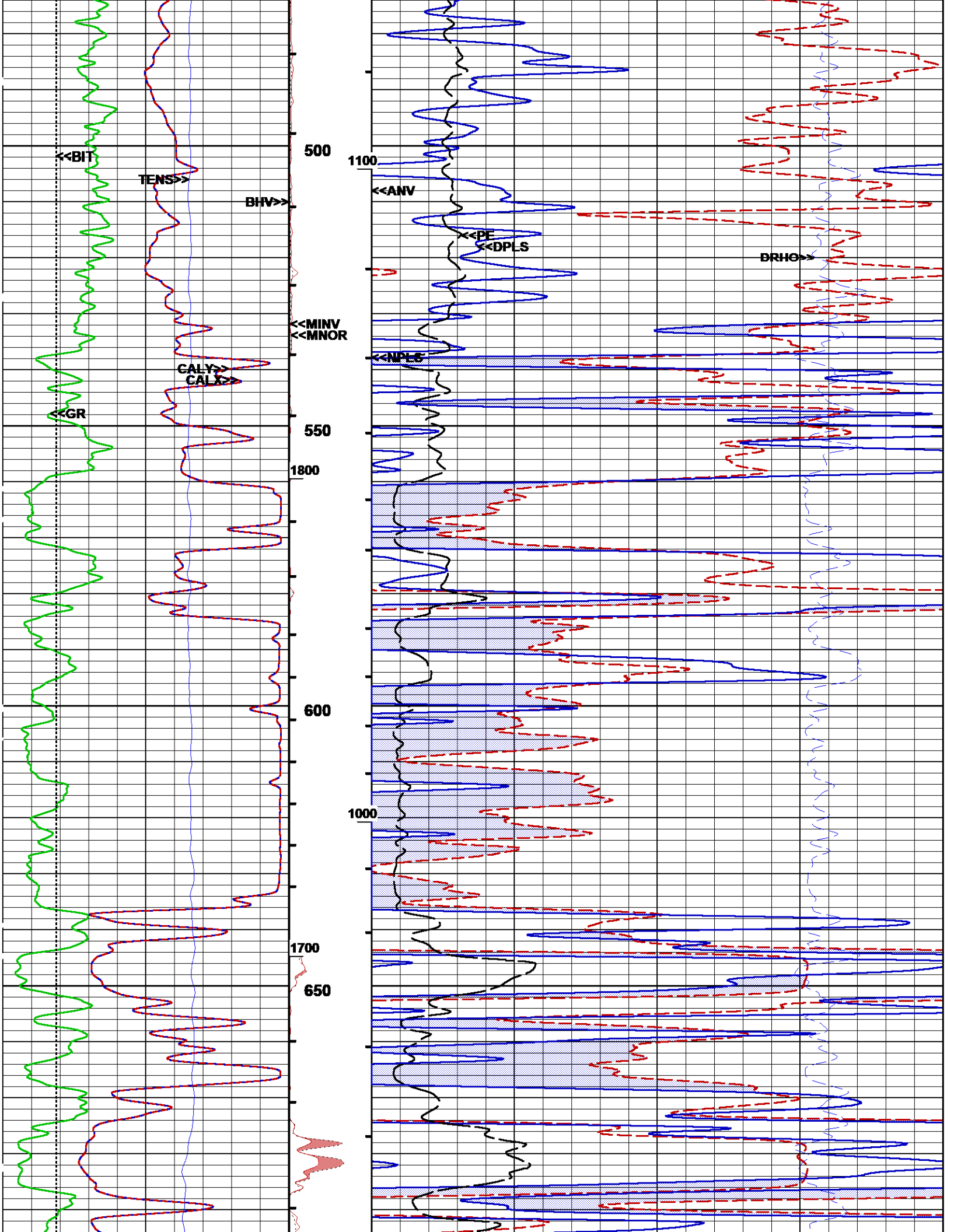
Photo Electric (PE)
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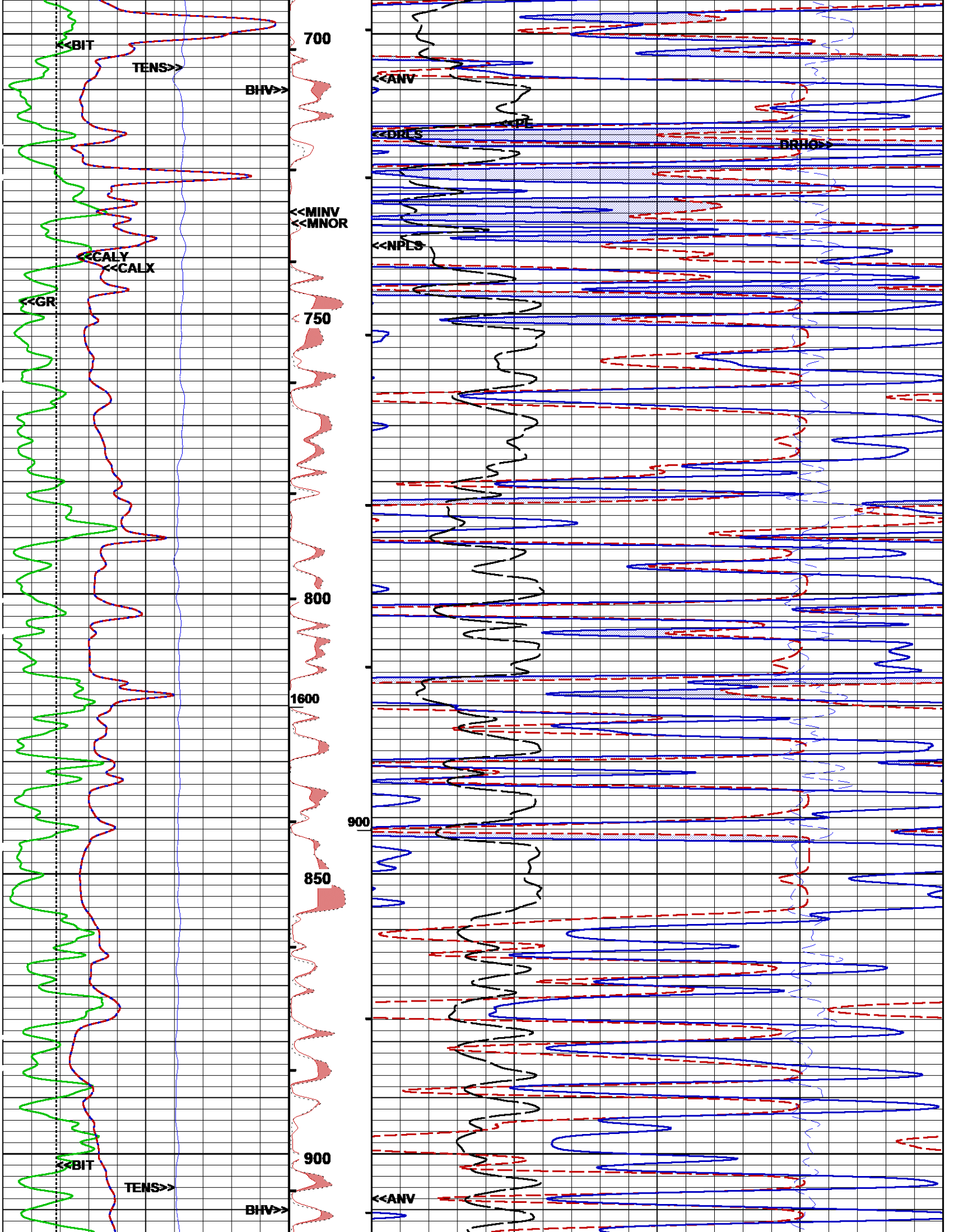
Delta RHO (DRHO)
-0.5 g/cc 0.5

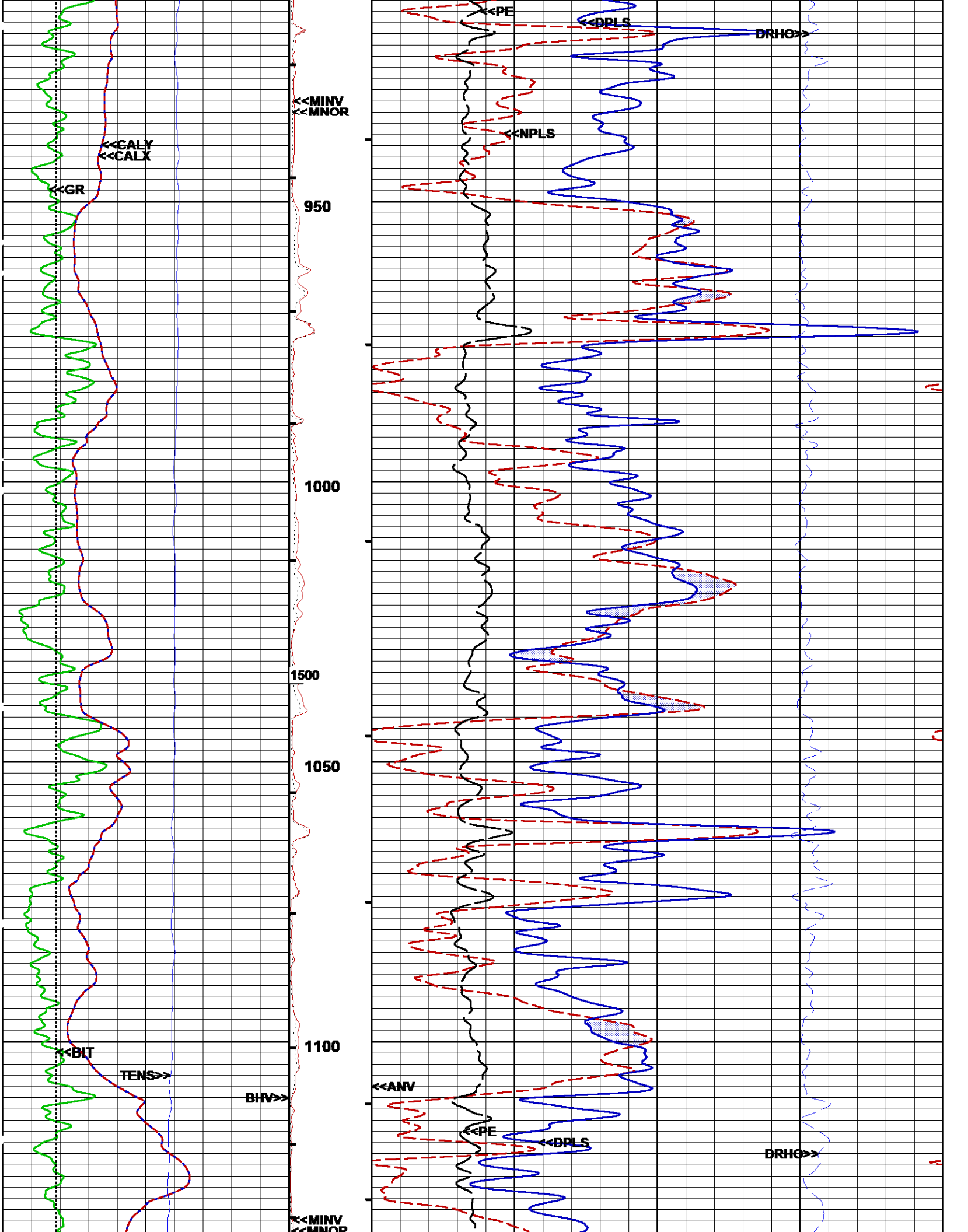
Density-Porosity (DPLS)
30. Limestone-Matrix (V/V) -10.

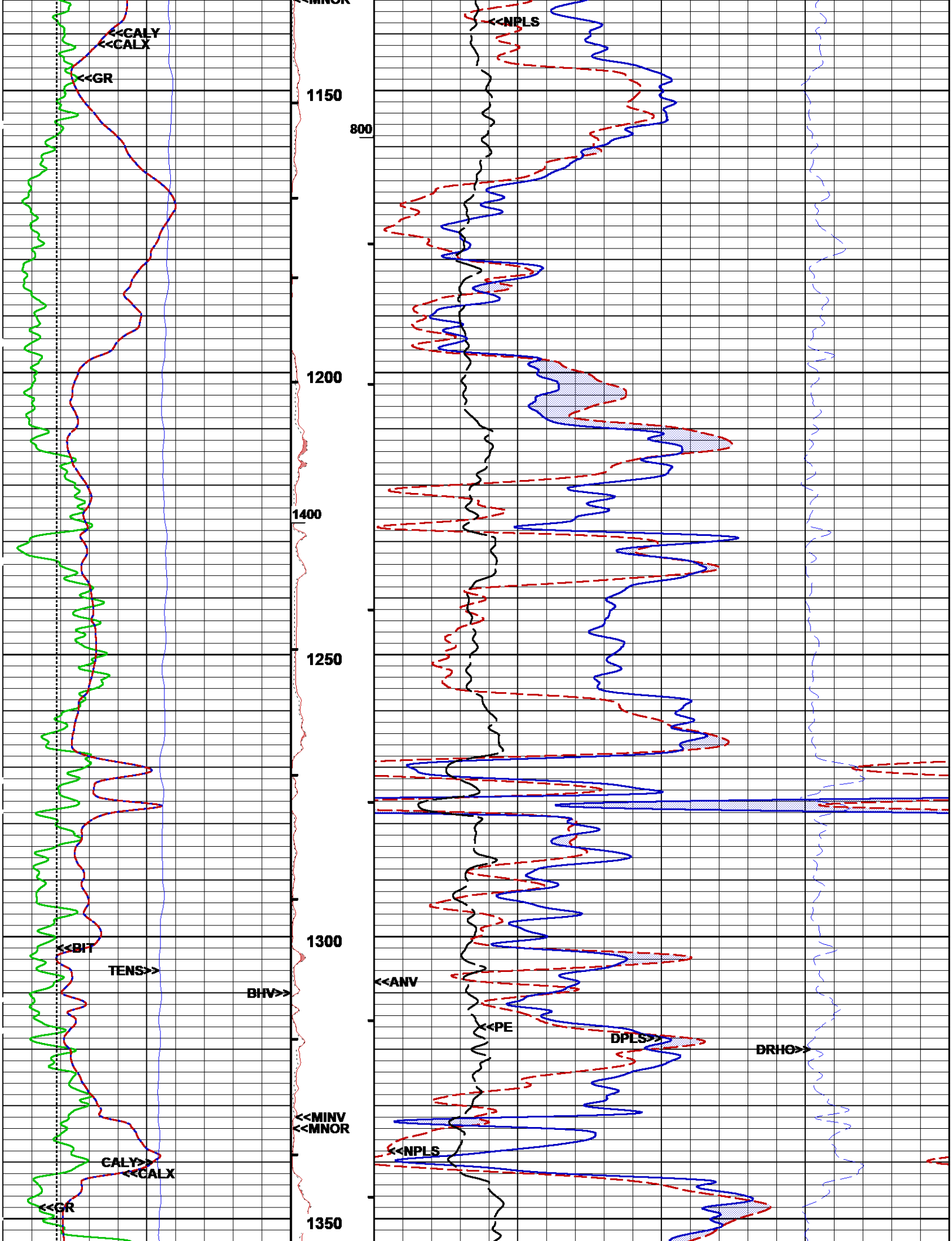
Neutron-Porosity (NPLS)
30. Limestone-Matrix (V/V) -10.

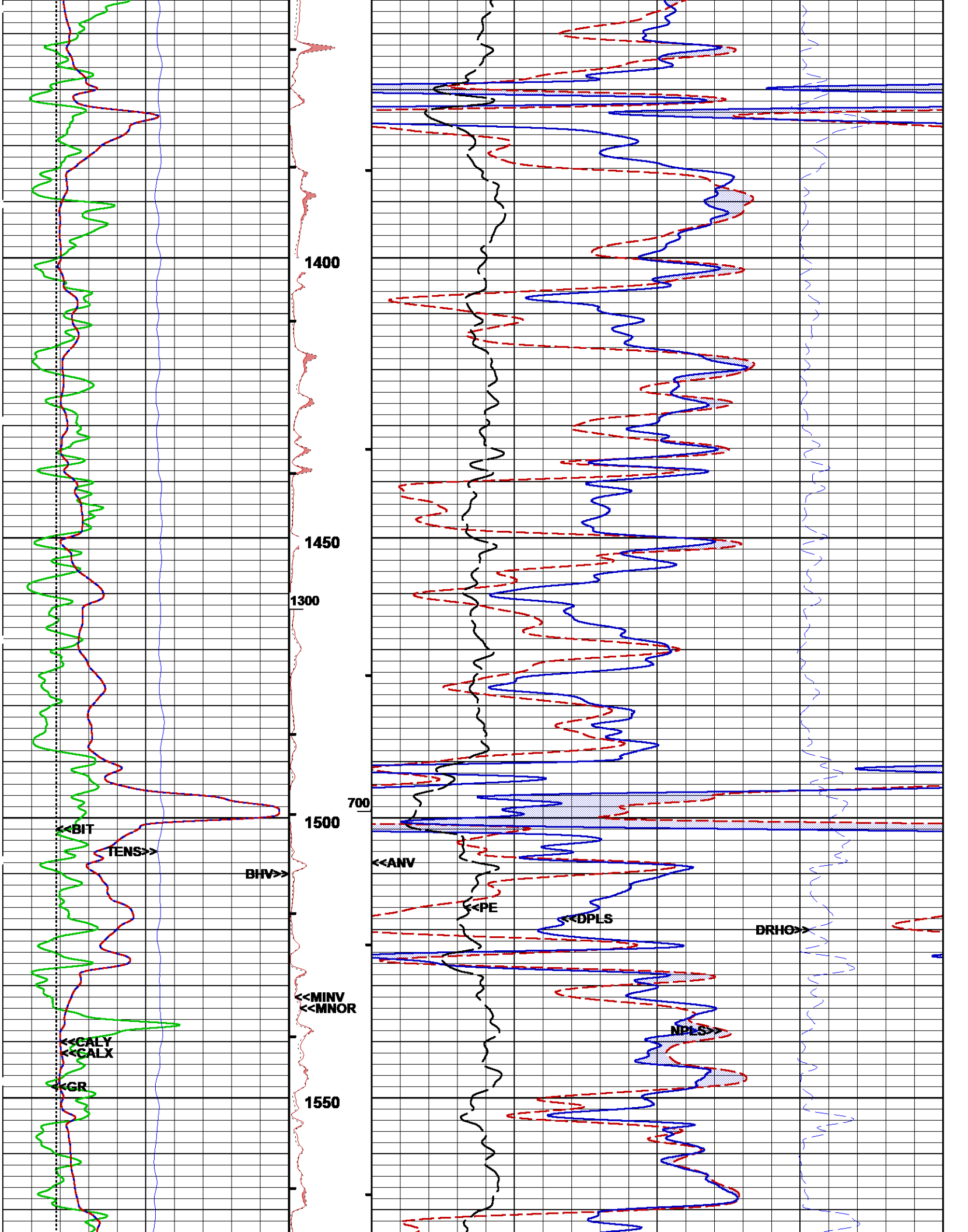


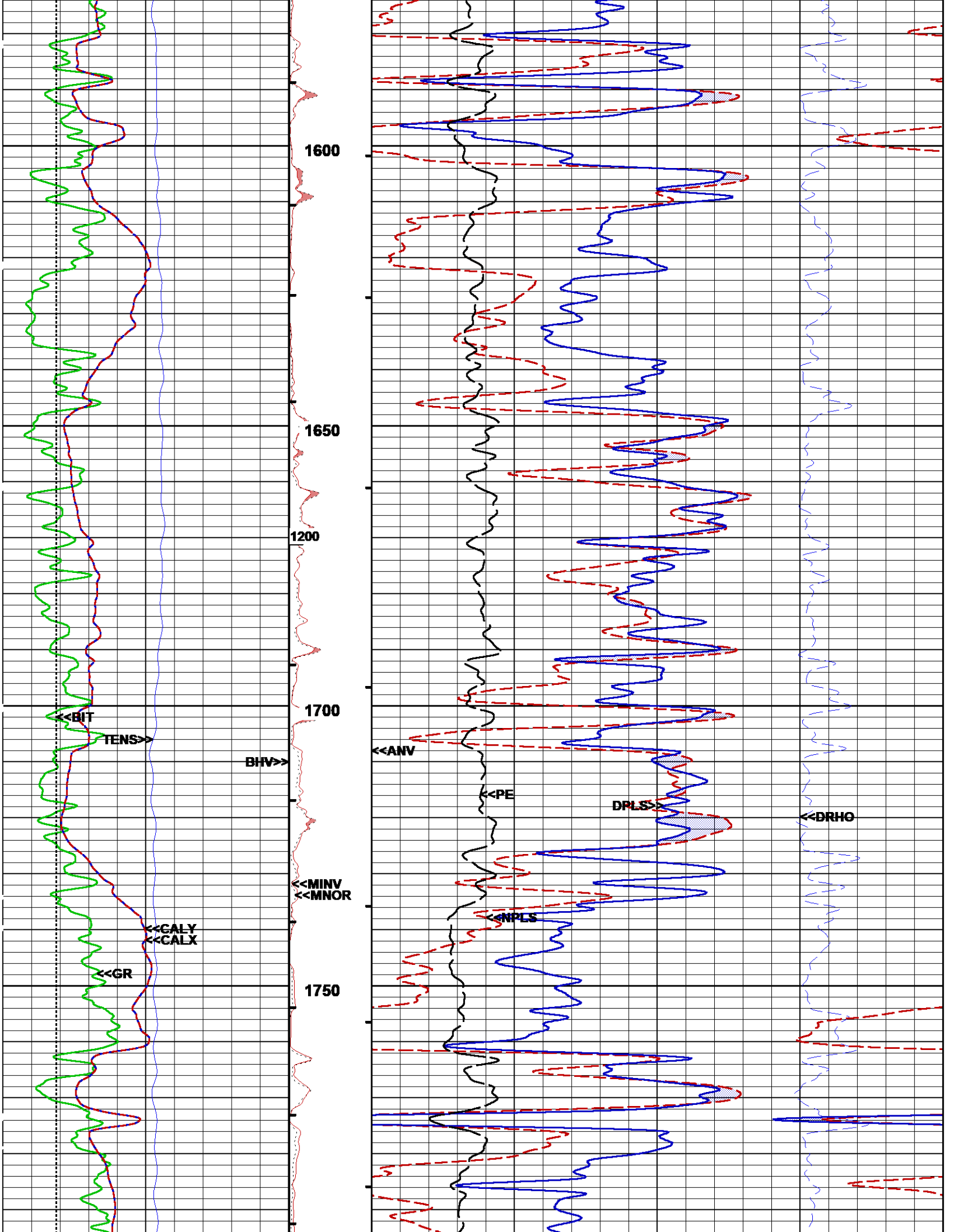

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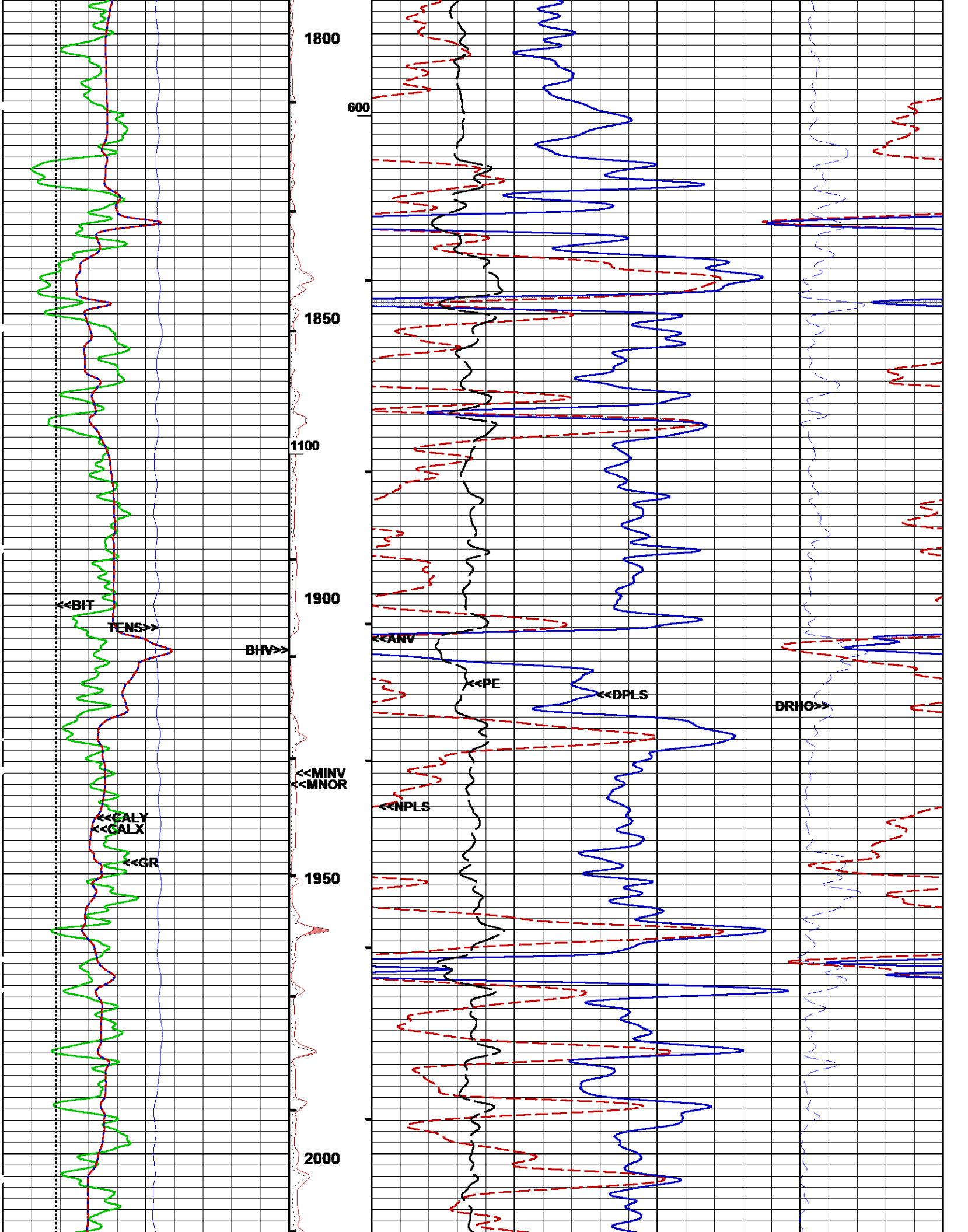

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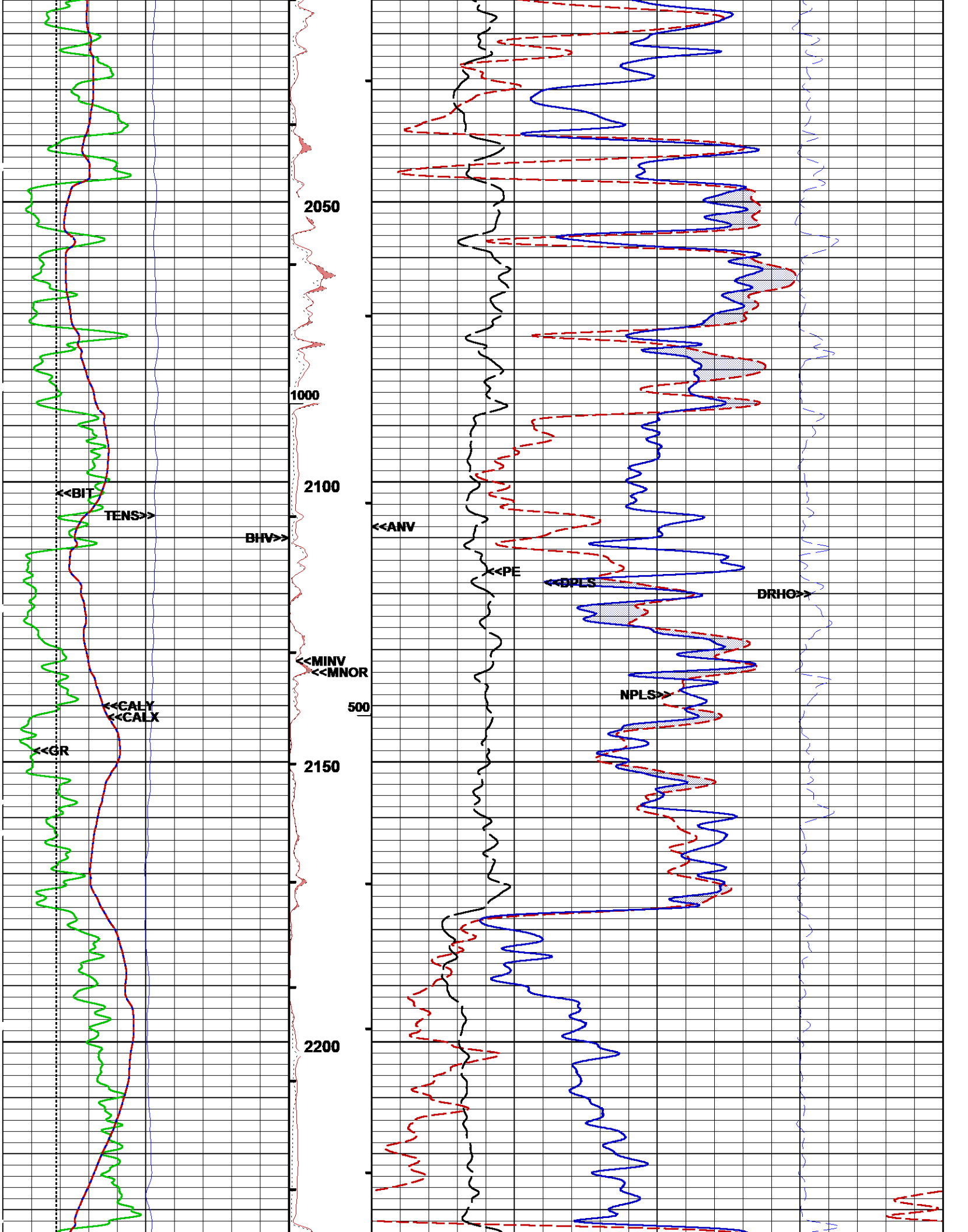

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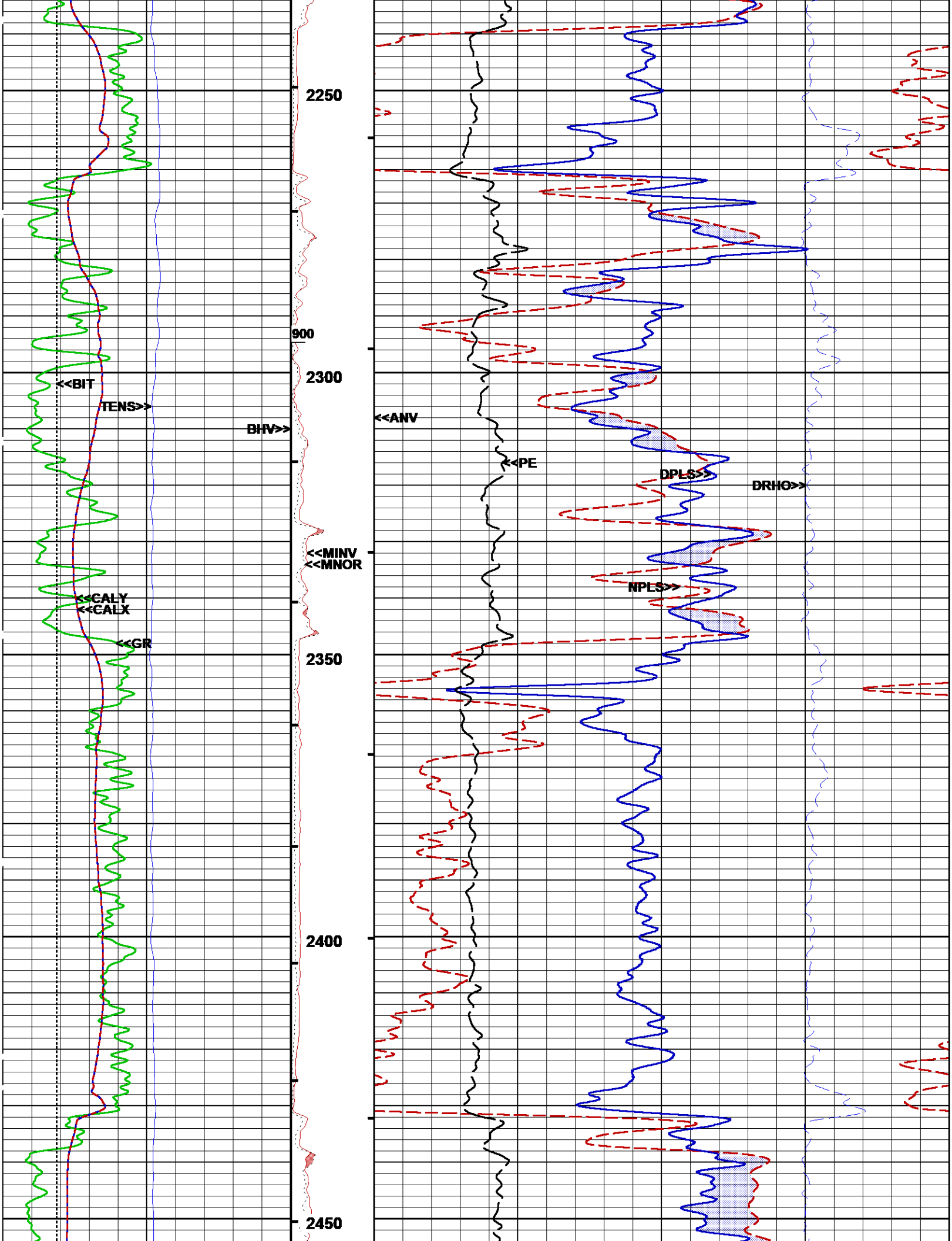

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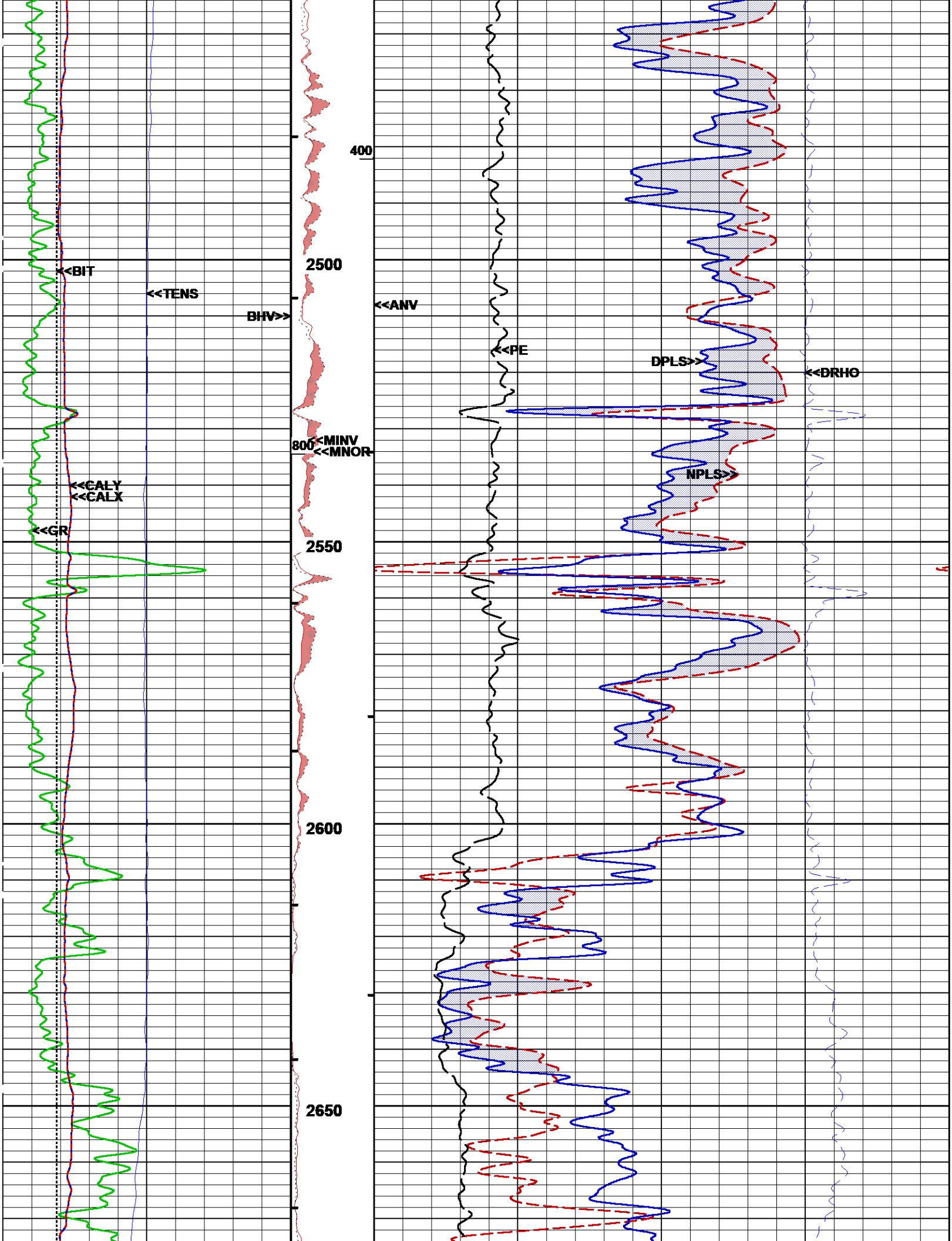

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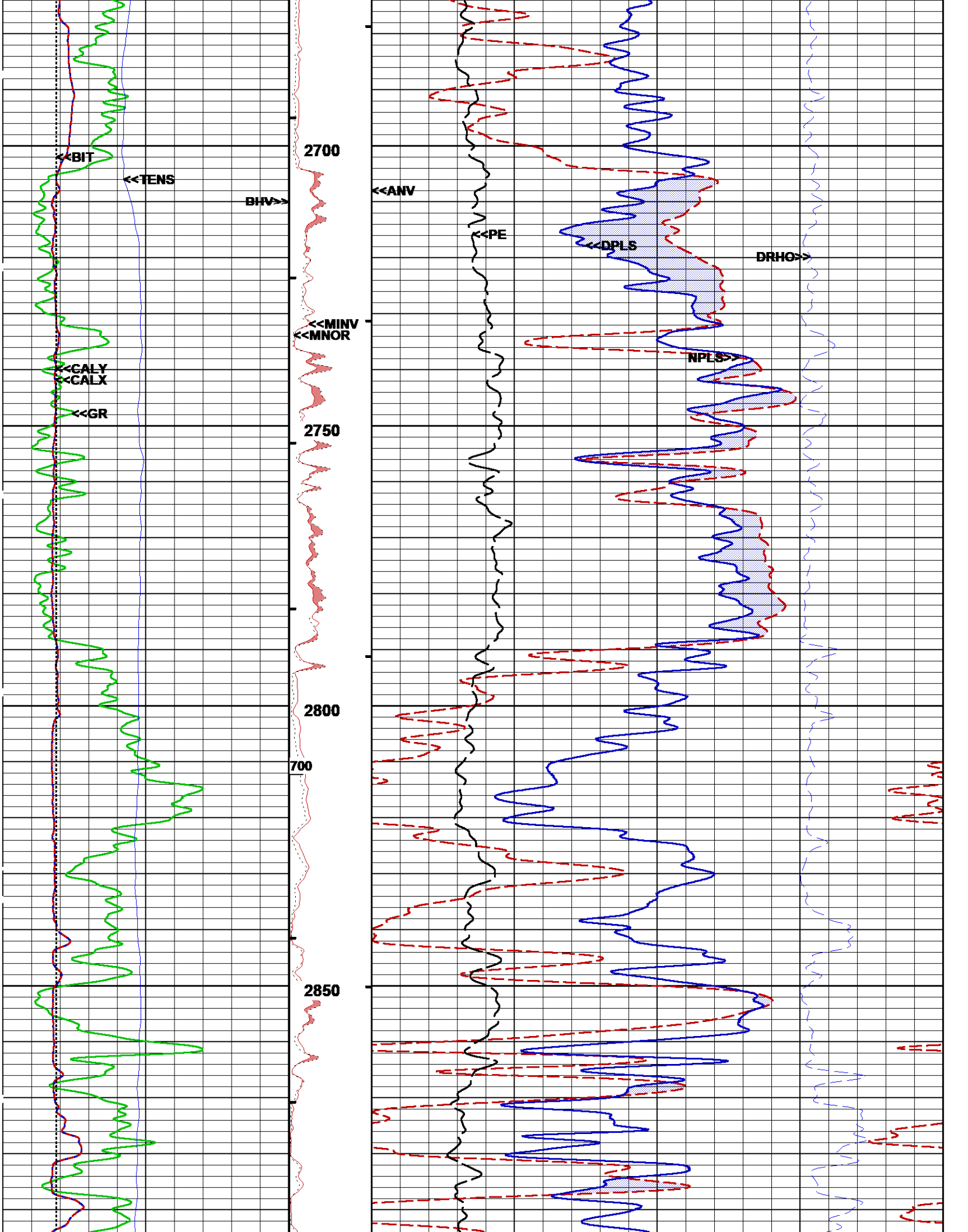

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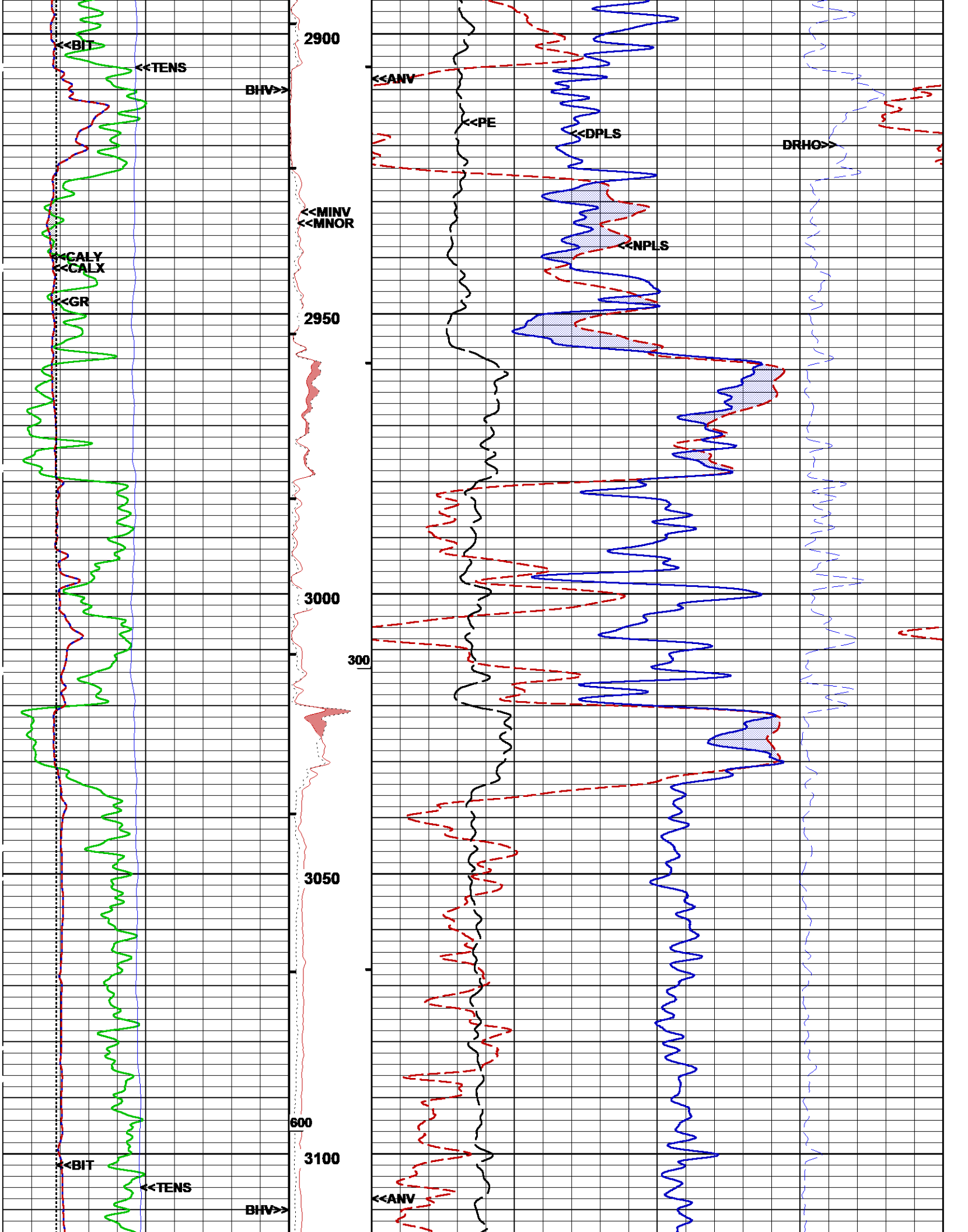

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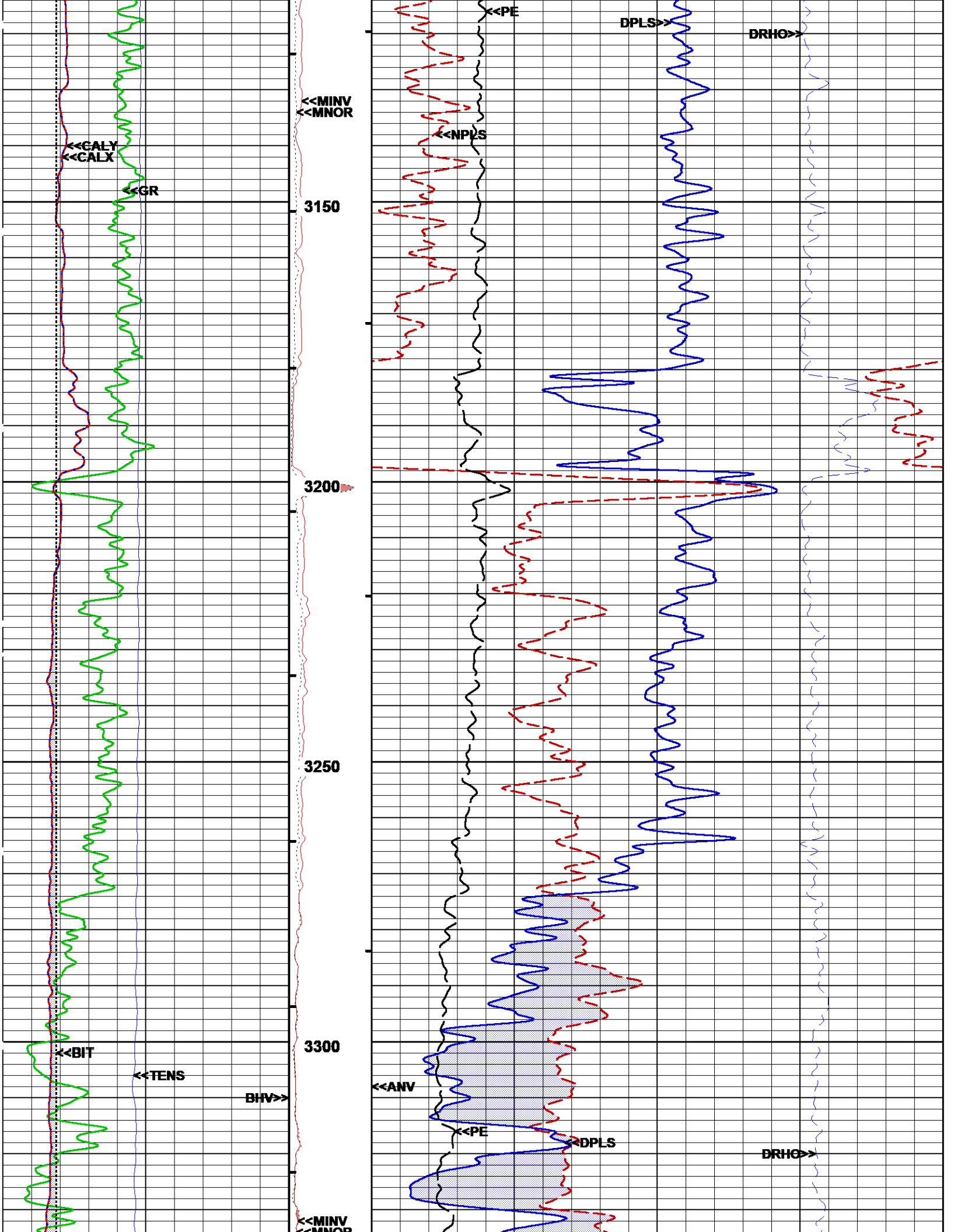

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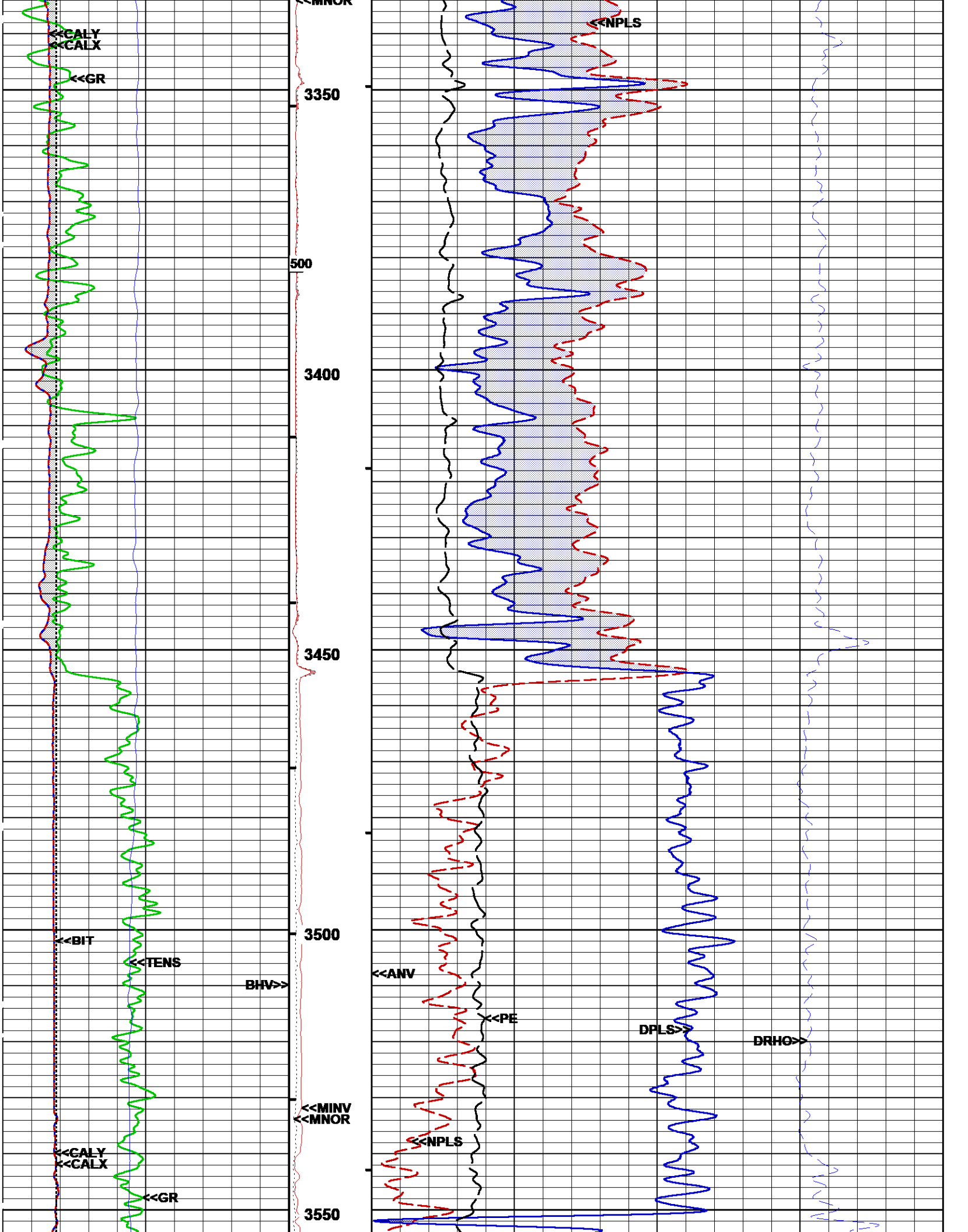

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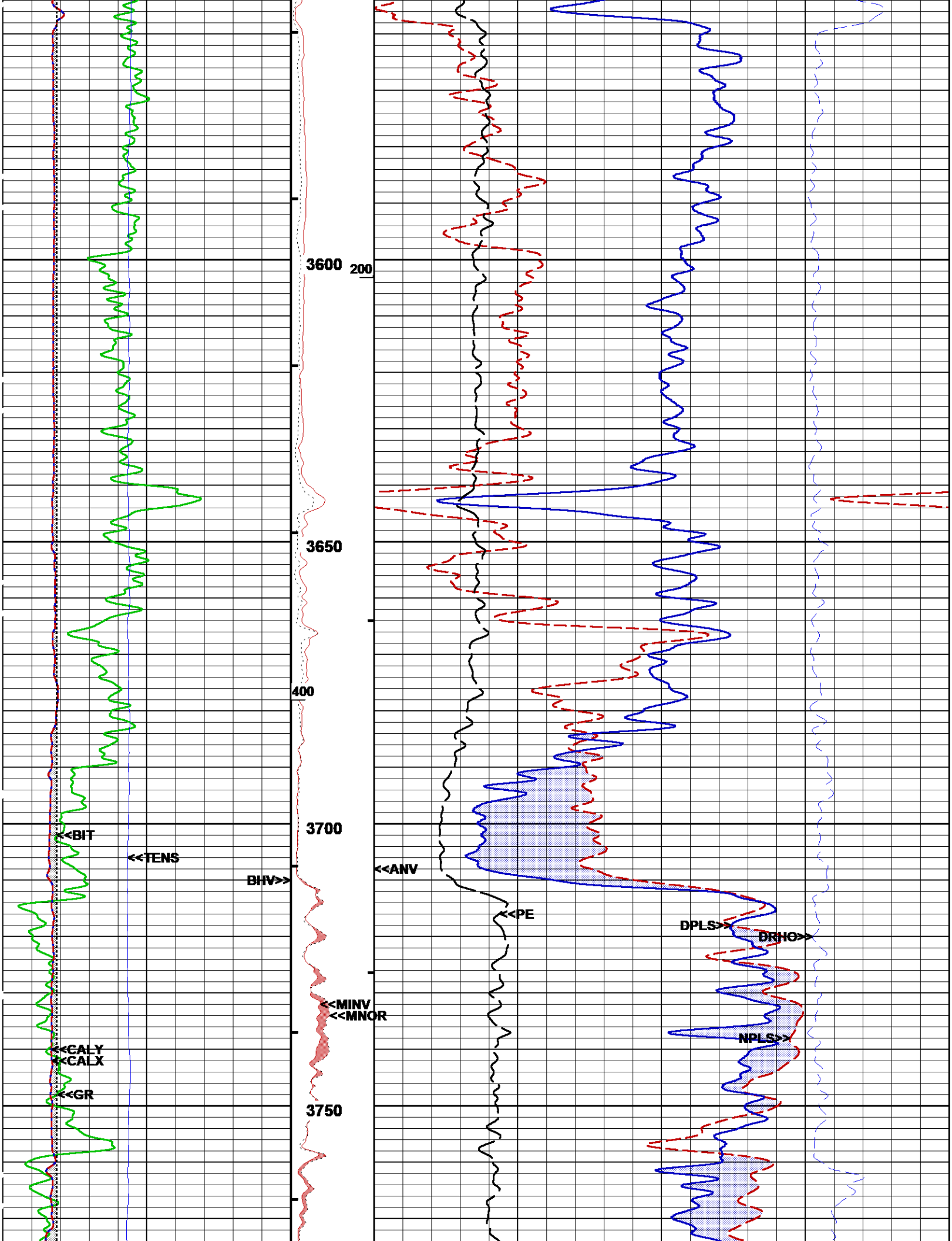

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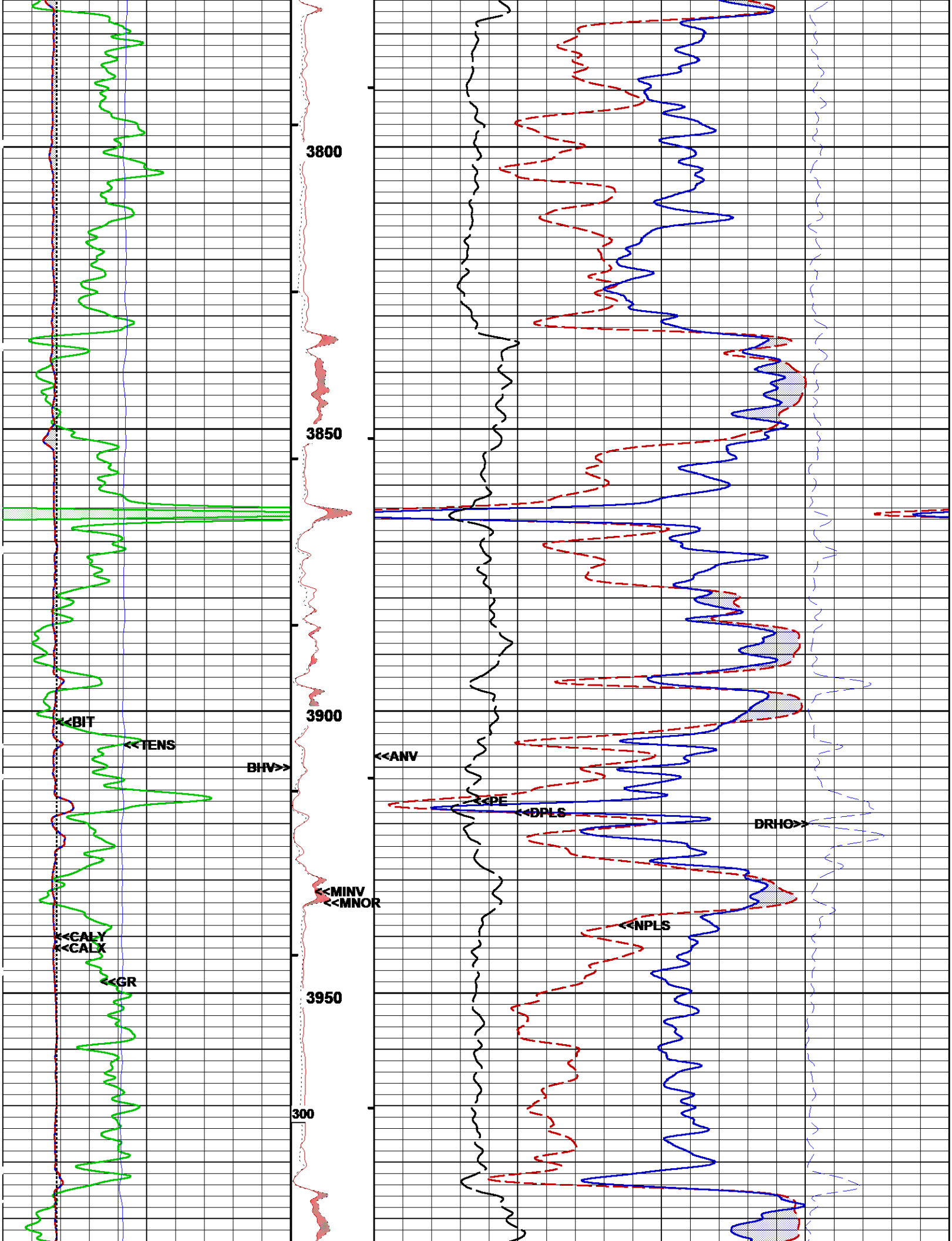

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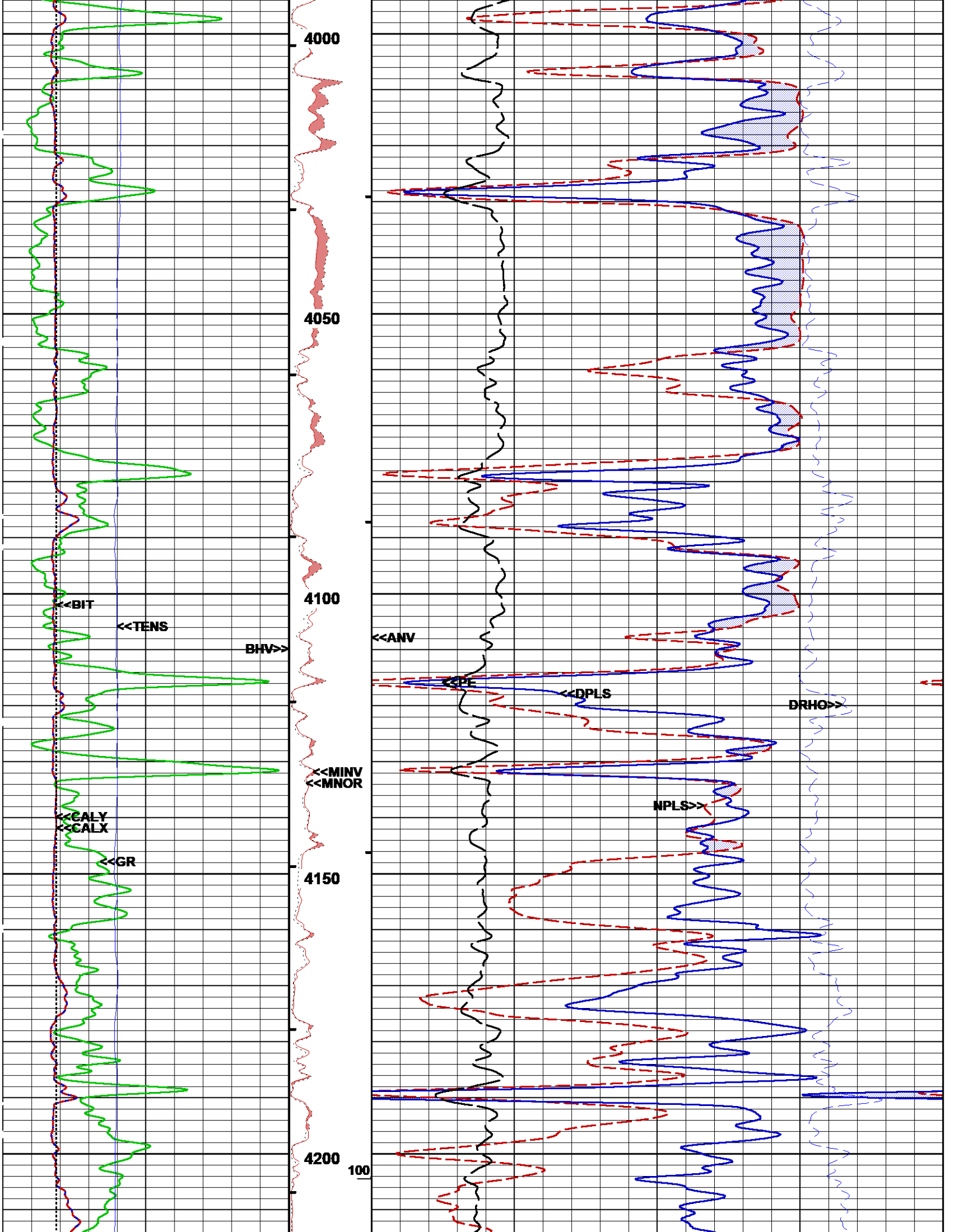

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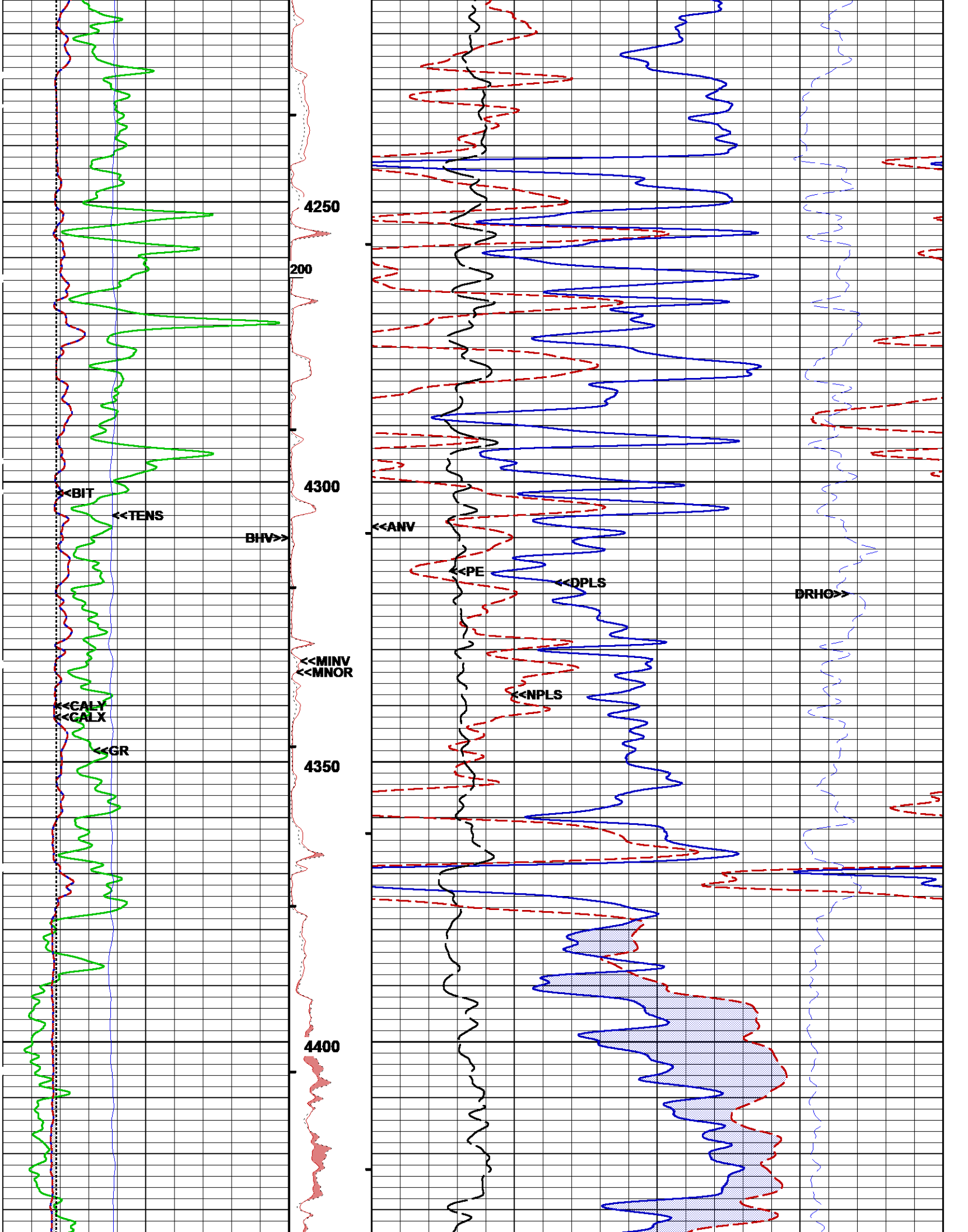

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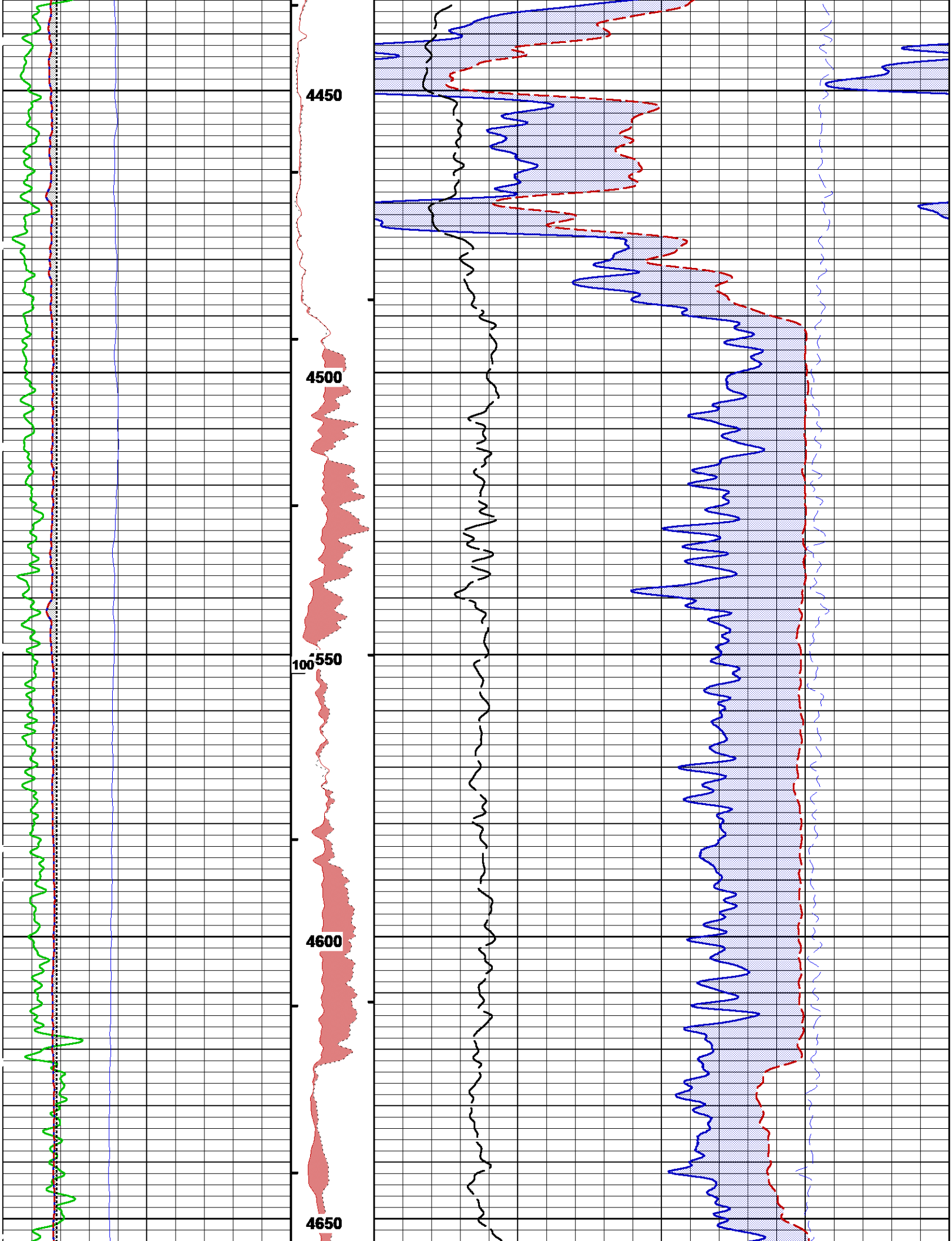

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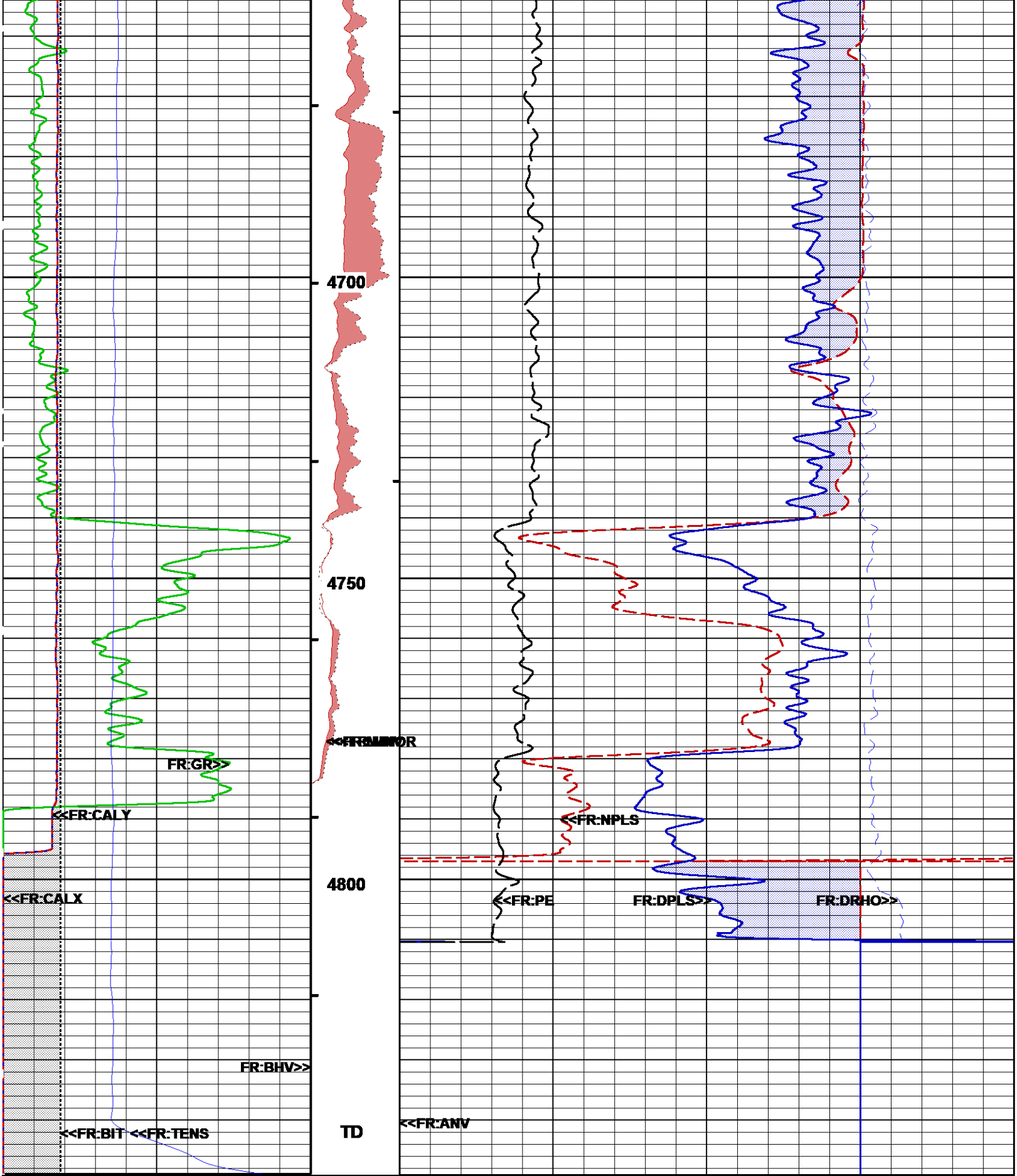

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<<TENS
BHV>>
<<ANV
<<PE
DPLS>>
DRHO>>
<<MINV
<<MNOR
NPLS>>
<<CALY
<<CALX
<<GR
3750


<<BIT
<<TENS
<<CALY
<<CALX
<<GR
3800
3850
3900
3950
300
BHV>>
<<ANV
<<PE
<<DPLS
DRHO>>
<<MINV
<<MNOR
<<NPLS


4000
4050
4100
4150
4200
<<BIT
<<TENS
BHV>>
<<MINV
<<MNOR
<<CALY
<<CALX
<<GR
<<ANV
<<PE
<<DPLS
DRHO>>
NPLS>>
100


4250
200
4300
4350
4400
<<BIT
<<TENS
BHV>>
<<ANV
<PE
<<DPLS
DRHO>>
<<MINV
<<MNOR
<<NPLS
<<CALY
<<CALX
<<GR


4450
4500
4550
4600
4650
100



Gamma Ray (GR)		Neutron-Porosity (NPLS)
0. API 150.		30. Limestone-Matrix (V/V) -10.
X-Caliper (CALX)		Density-Porosity (DPLS)
6. in 16.		30. Limestone-Matrix (V/V) -10.
Y-Caliper (CALY)	{2"} (MNOR)	Photo Electric (PE) / Delta RHO (DRHO)
6 in 16	0 ohms 40	0 Barns/Elect 10 / -0.5 g/cc 0.5

Tension (TENS)
5000. lbs 0.

{1"} (MINV)
0. ohms 40.

Bit Size (BIT)
6. Ref in 16.

01/18/2022
05:22:17 => Start Time

MAIN PASS - LIMESTONE (5"/100Ft)

Log UP - (VER 12.52
Start Depth=> 4849.00 Feet

01/18/2022
05:16:45 => End Time

REPEAT PASS - LIMESTONE (5"/100Ft)

Log UP - (VER 12.52
End Depth=> 4449.90 Feet

Bit Size (BIT)
6. Ref in 16.

Tension (TENS)
5000. lbs 0.

{1"} (MINV)
0. ohms 40.

Y-Caliper (CALY)
6. in 16.

{2"} (MNOR)
0. ohms 40.

Photo Electric (PE)
0. Barns/Elect 10.

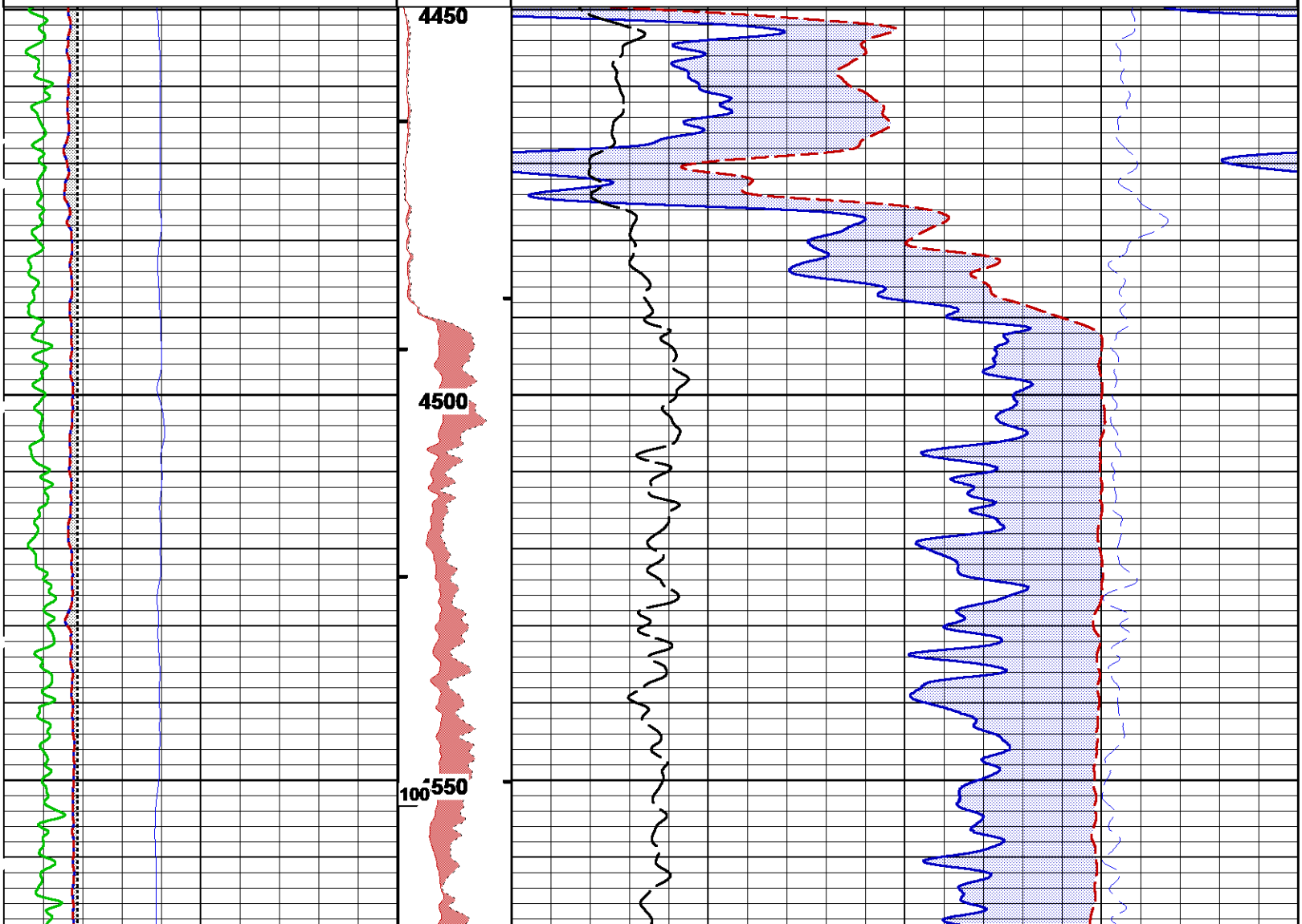
Delta RHO (DRHO)
-0.5 g/cc 0.5

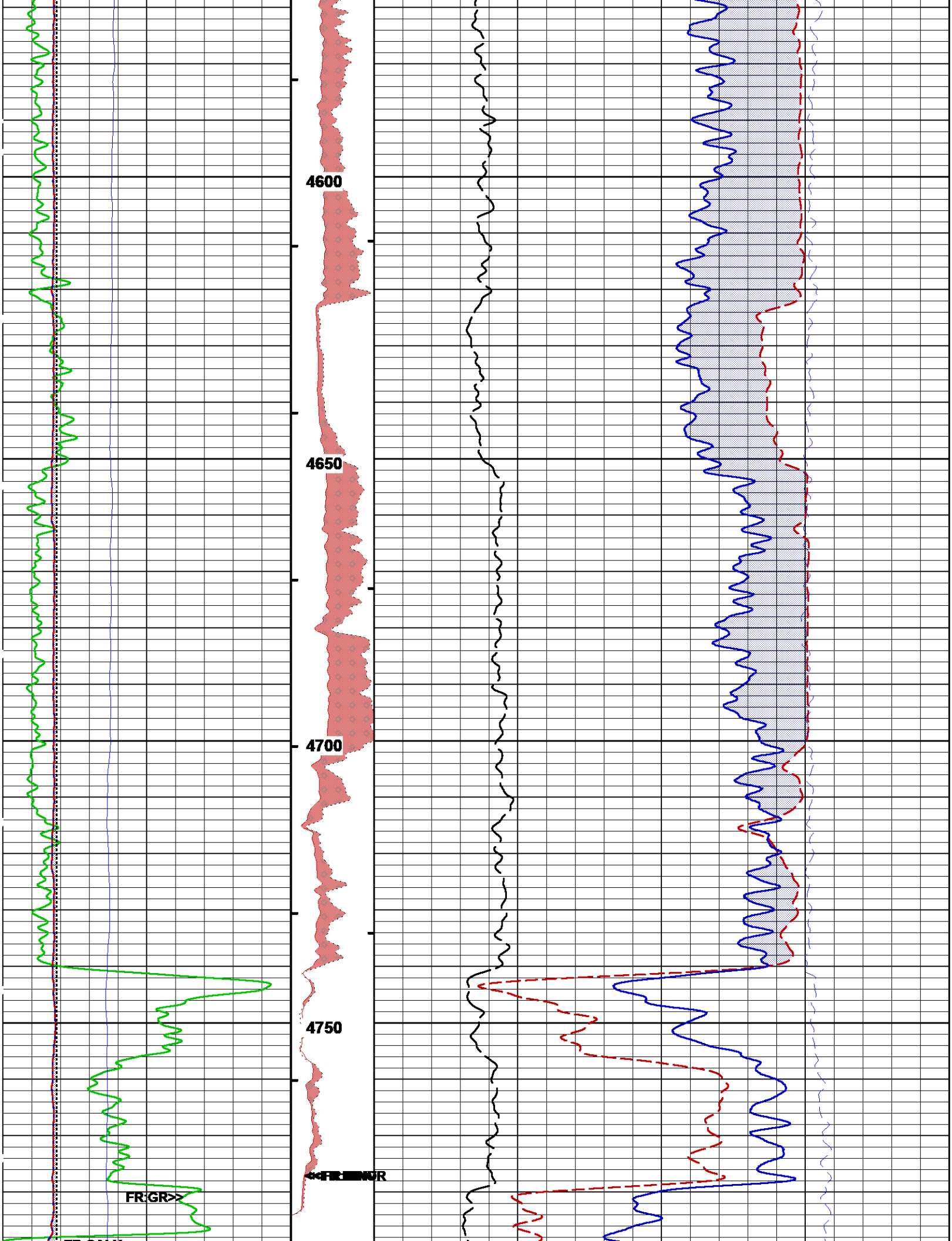
X-Caliper (CALX)
6. in 16.

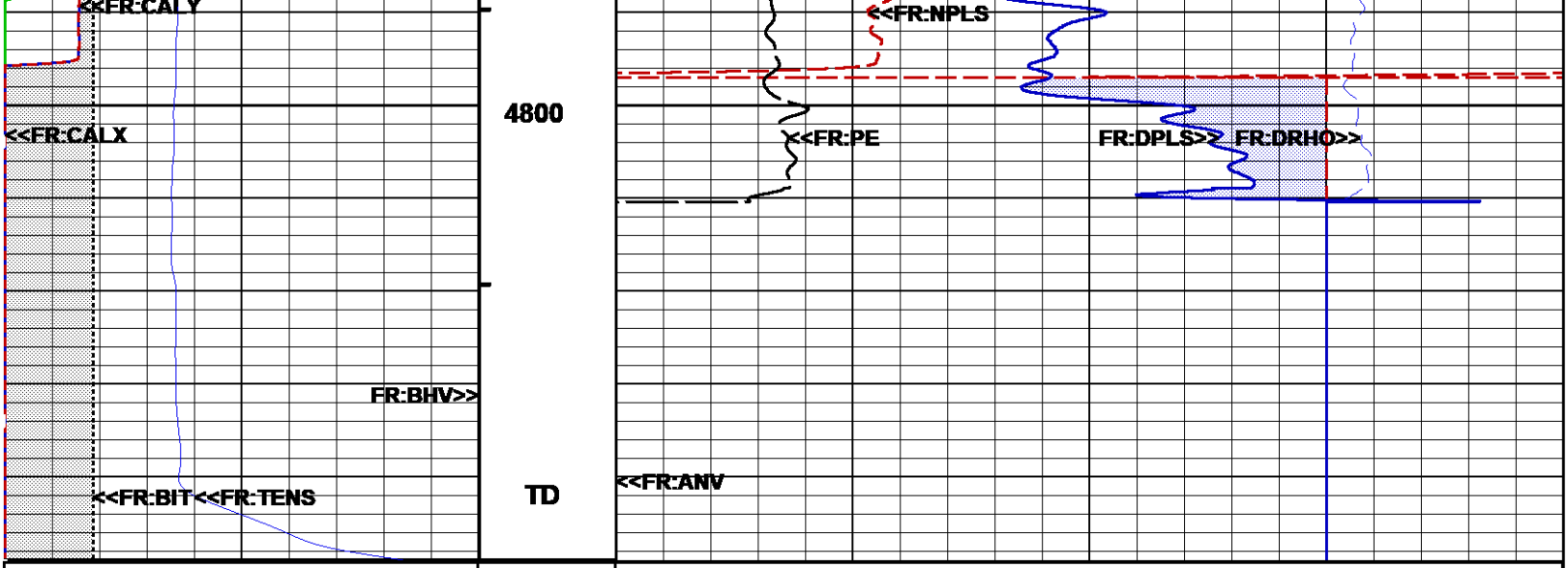
Density-Porosity (DPLS)
30. Limestone-Matrix (V/V) -10.

Gamma Ray (GR)
0. API 150.

Neutron-Porosity (NPLS)
30. Limestone-Matrix (V/V) -10.




4600
4650
4700
4750
FR:GR>>



Gamma Ray (GR) 0. API 150.			Neutron-Porosity (NPLS) 30. Limestone-Matrix (V/V) -10.	
X-Caliper (CALX) 6. in 16.			Density-Porosity (DPLS) 30. Limestone-Matrix (V/V) -10.	
Y-Caliper (CALY) 6. in 16.	{2"} (MNOR) 0. ohms 40.		Photo Electric (PE) 0. Barns/Elect 10.	Delta RHO (DRHO) -0.5 g/cc 0.5
Tension (TENS) 5000. lbs 0.	{1"} (MINV) 0. ohms 40.			
Bit Size (BIT) 6. Ref in 16.				

01/18/2022
05:01:56 => Start Time

REPEAT PASS - LIMESTONE (5"/100Ft)

Log UP - (VER 12.52
Start Depth=> 4849.00 Feet

Litho-Density/PE Calibrations

TOOL TYPE	LFDC/Pe	SOURCE TYPE	CESIUM 137	SOURCE STRGTH	2 CURIE
SERIAL NUM	RL4115	SOURCE NUM			

MASTER BLOCK CALIBRATIONS

	W1(cps)	W2(cps)	W3(cps)	W4(cps)	SS	UNITS	CALIBRATION DATE	CALIBRATION TIME
ALUMINUM	5000.749	4023.300	1845.669	6.383	4518.1266	2.508g/cc	M/D/Y> 12/27/2021	H:M:S> 12:26:37
MAGNESIUM	15909.990	12390.456	5051.067	7.184	6210.4918	1.693g/cc		
BACKGROUND	1185.195	1047.133	718.362	6.341	4.2321			
SAND	15903.245	12379.128	5040.510	6.626		1.500(PE)		
IRON	4165.869	3466.104	1677.018	6.169		4.500(PE)		
FIELD VERIFIER(cps)	1259.906	1109.743	759.057	7.714	5.0865			
VER NUM RL								

WELL SITE CALIBRATIONS

VER NUM	RL	W1(cps)	W2(cps)	W3(cps)	W4(cps)	SS		CALIBRATION DATE	CALIBRATION TIME

Compensated Neutron Calibrations

TOOL TYPE	CNT-B	SOURCE TYPE	AM241BE	SOURCE STRGTH	20 CURIE
SERIAL NUM	RN2011	SOURCE NUM			

MASTER TANK CALIBRATIONS

		NEAR(cps)	FAR(cps)	RATIO	K VALUE	CALIBRATION DATE	CALIBRATION TIME
LOW PHI	3.150			0.5972	0.9090	M/D/Y> 11/5/2021	H:M:S> 15:0:16
MED PHI	19.130			1.0232	0.9090		
HIGH PHI	31.300			1.2265	0.9091		
FIELD VERIFIER(cps)		195.495	179.242	1.0907			
VER NUM	7430						

WELL SITE CALIBRATIONS

VER NUM	7430	NEAR(cps)	FAR(cps)	RATIO	CALIBRATION DATE	CALIBRATION TIME

GAMMA RAY CALIBBRATIONS

SERIAL NUM	RG3016
BLANKET NUM	1A

MASTER CALIBRATIONS

	BackGrnd	CalVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	97.691 - raw	322.072 - raw	0.709 - gain 0.000 - off	M/D/Y> 4/14/2020	H:M:S> 12:11:34

X-CALIPER CALIBRATION

SERIAL NUM	RL4115

MASTER CALIBRATIONS

	ZeroVal: 6.000 IN	CalVal: 10.000 IN	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	273.320 - raw	439.753 - raw	0.024 - gain -0.569 - off	M/D/Y> 12/27/2021	H:M:S> 12:47:7

Y CALIPER CALIBRATIONS

SERIAL NUM	RN2011

MASTER CALIBRATIONS

	ZeroVal: 6.000 IN	CalVal: 10.000 IN	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	871.326 - raw	1581.625 - raw	0.006 - gain 1.093 - off	M/D/Y> 11/5/2021	H:M:S> 14:48:20

MICRO INVERSE CALIBRATION

SERIAL NUM	RM8012

MASTER CALIBRATIONS

	ZeroVal: 0.010 mVs	CalVal: 10.000 mVs	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	22.341 - raw	200.987 - raw	0.056 - gain -1.239 - off	M/D/Y> 11/27/2021	H:M:S> 16:28:47

MICRO NORMAL CALIBRATION

SERIAL NUM	RM8012

MASTER CALIBRATIONS

	ZeroVal: 0.010 mVs	CalVal: 10.000 mVs	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	8.191 - raw	131.888 - raw	0.081 - gain -0.652 - off	M/D/Y> 11/27/2021	H:M:S> 16:27:19

MICRO CALIPER CALIBRATION

SERIAL NUM	RM8012

MASTER CALIBRATIONS

	ZeroVal: 6.000 IN	CalVal: 10.000 IN	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	2851.680 - raw	3767.717 - raw	0.004 - gain -6.452 - off	M/D/Y> 4/1/2021	H:M:S> 16:31:5

Company	UNION VALLEY PETROLEUM CORP.
Well	LINDA 1-8
Field	CALDWELL NORTH
County	SUMMER
State	KANSAS

RECON

COMPENSATED NEUTRON
LITHOLOGY DENSITY
GAMMA RAY XY-CALIPER
MICROLOG