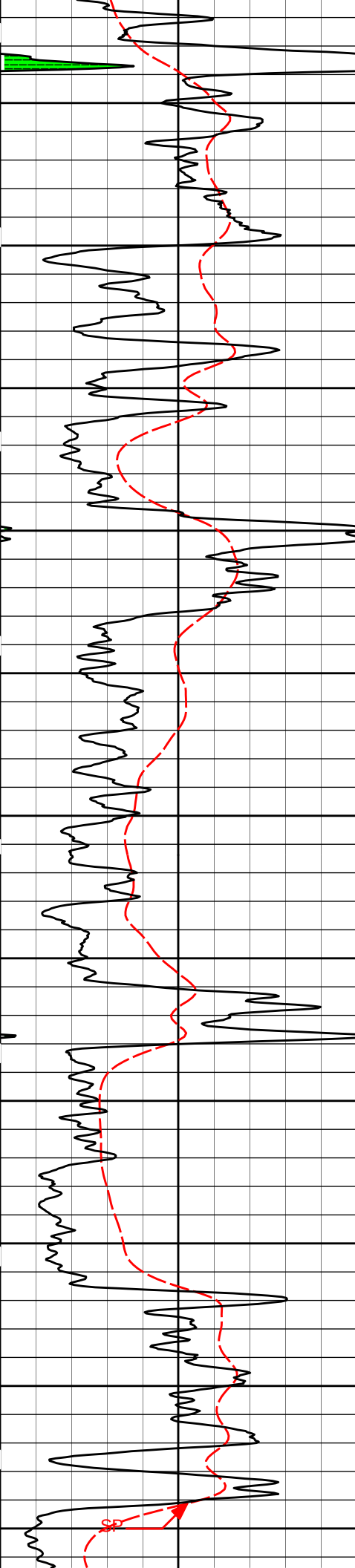


HIGH RESOLUTION TRIPLE COMBO LOG

----- Fold here -----

LOGGING DATA

[illegible]



3800

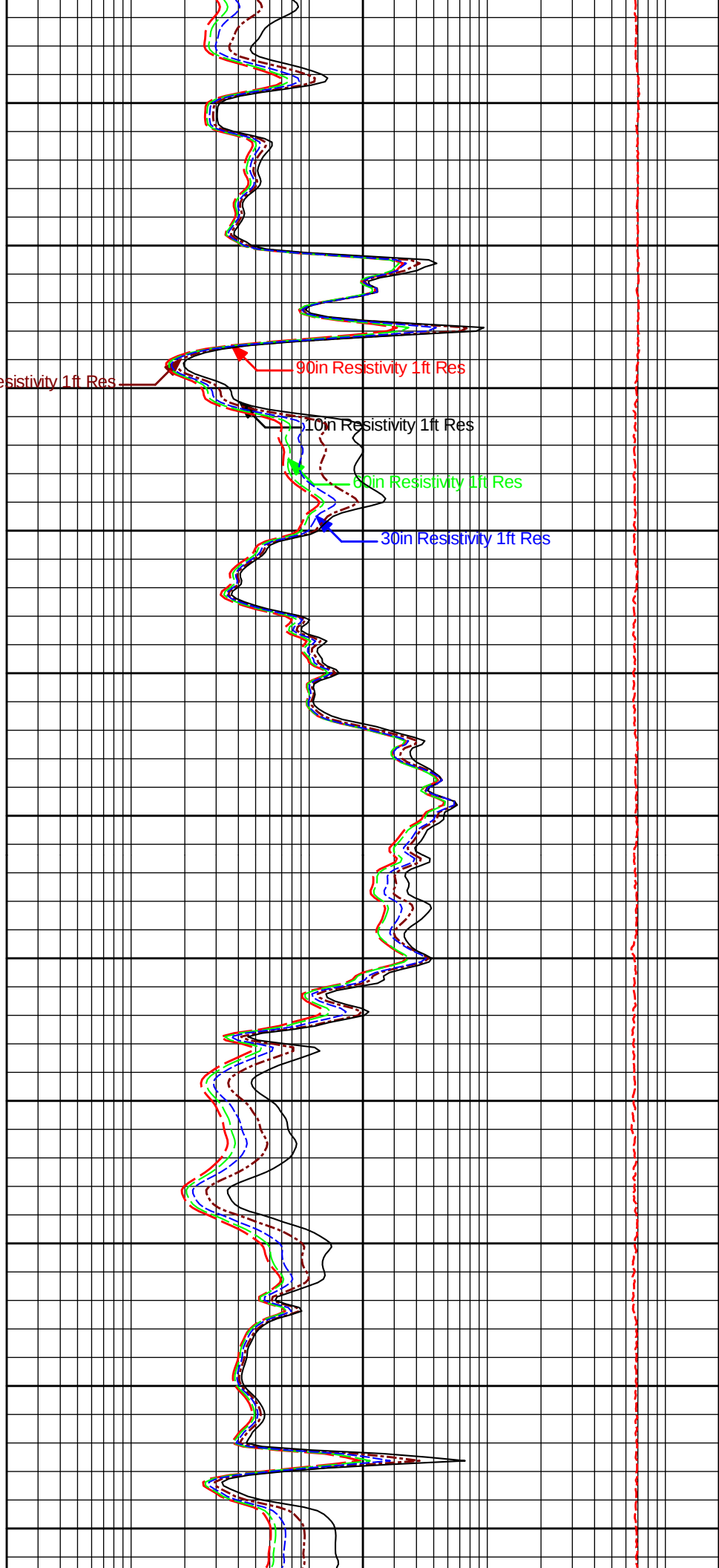
20in Resistivity 1ft Res

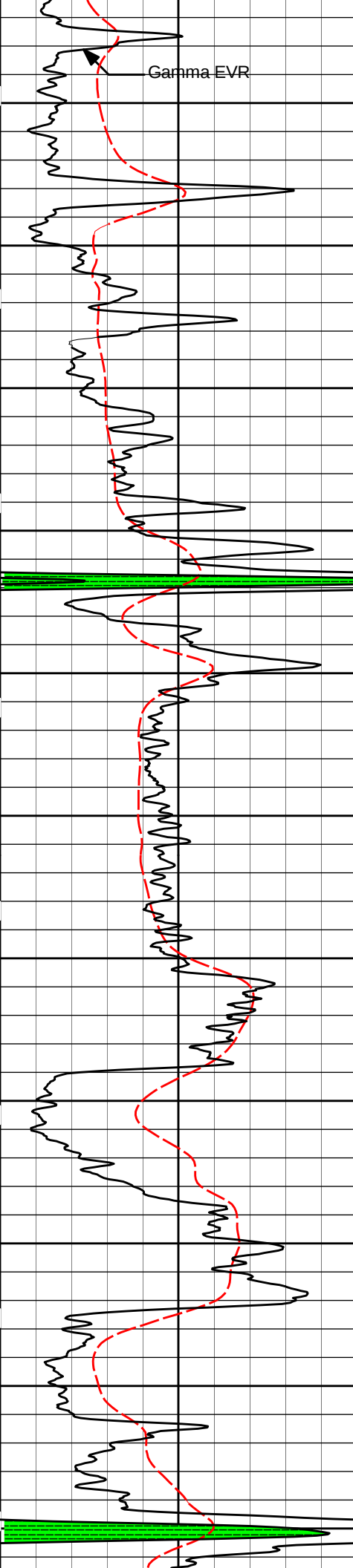
90in Resistivity 1ft Res

10in Resistivity 1ft Res

60in Resistivity 1ft Res

30in Resistivity 1ft Res





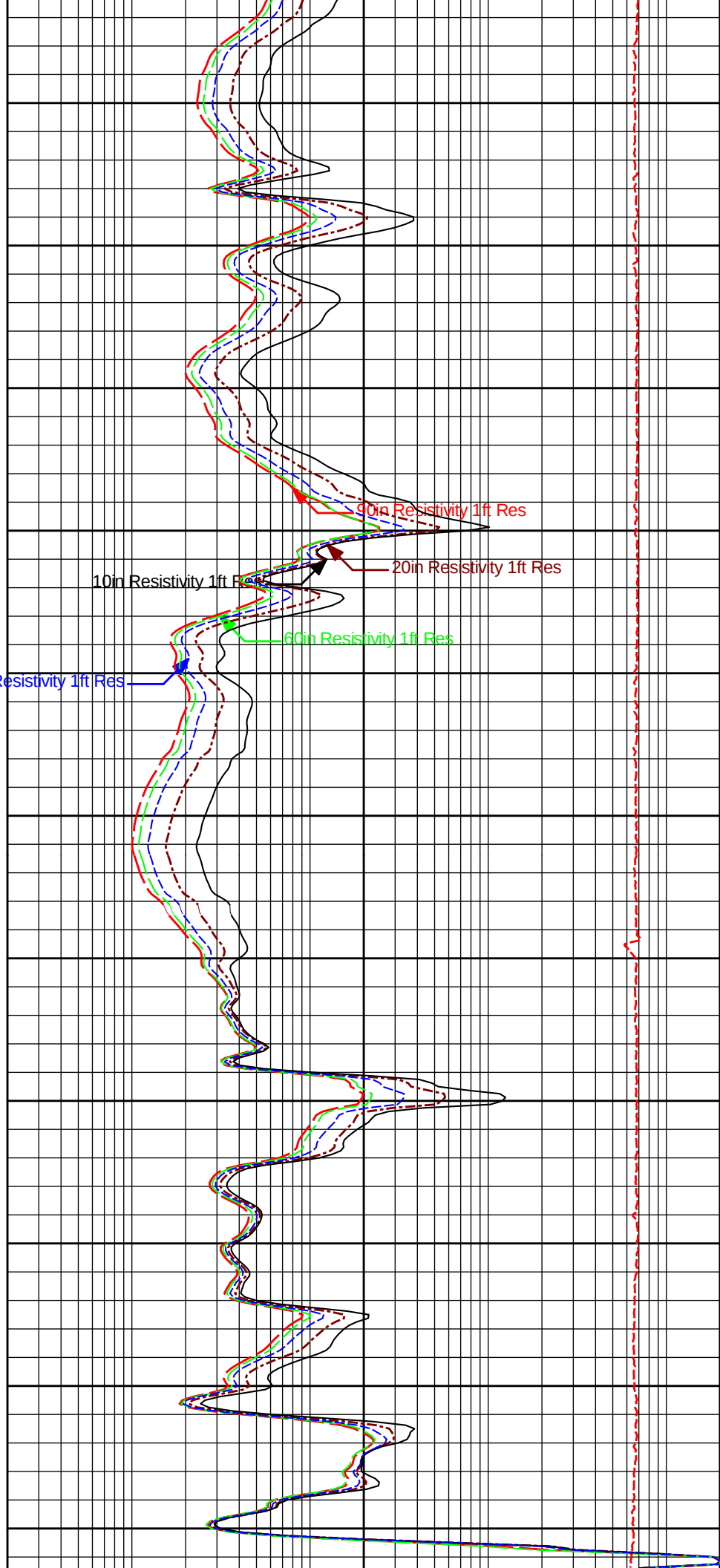
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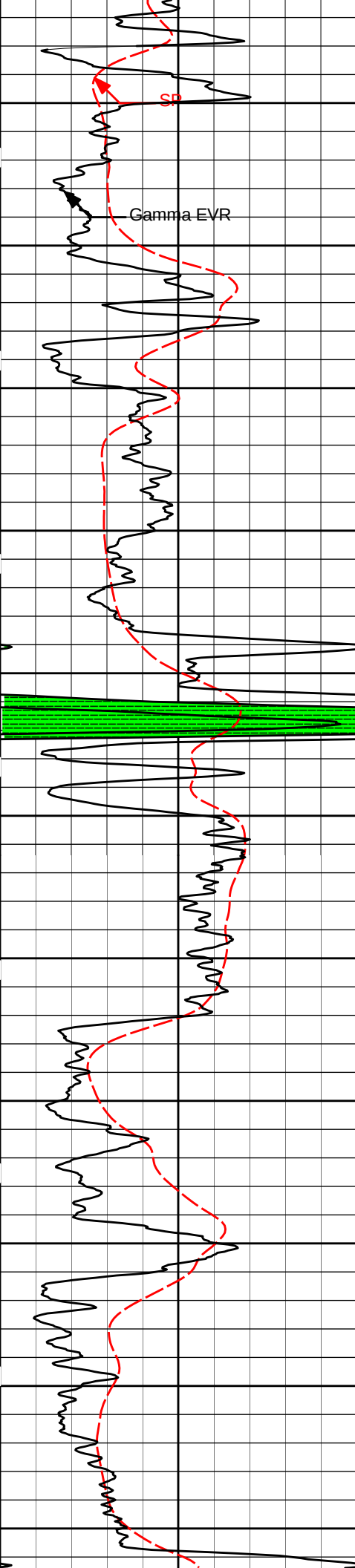
10in Resistivity 1ft Res

20in Resistivity 1ft Res

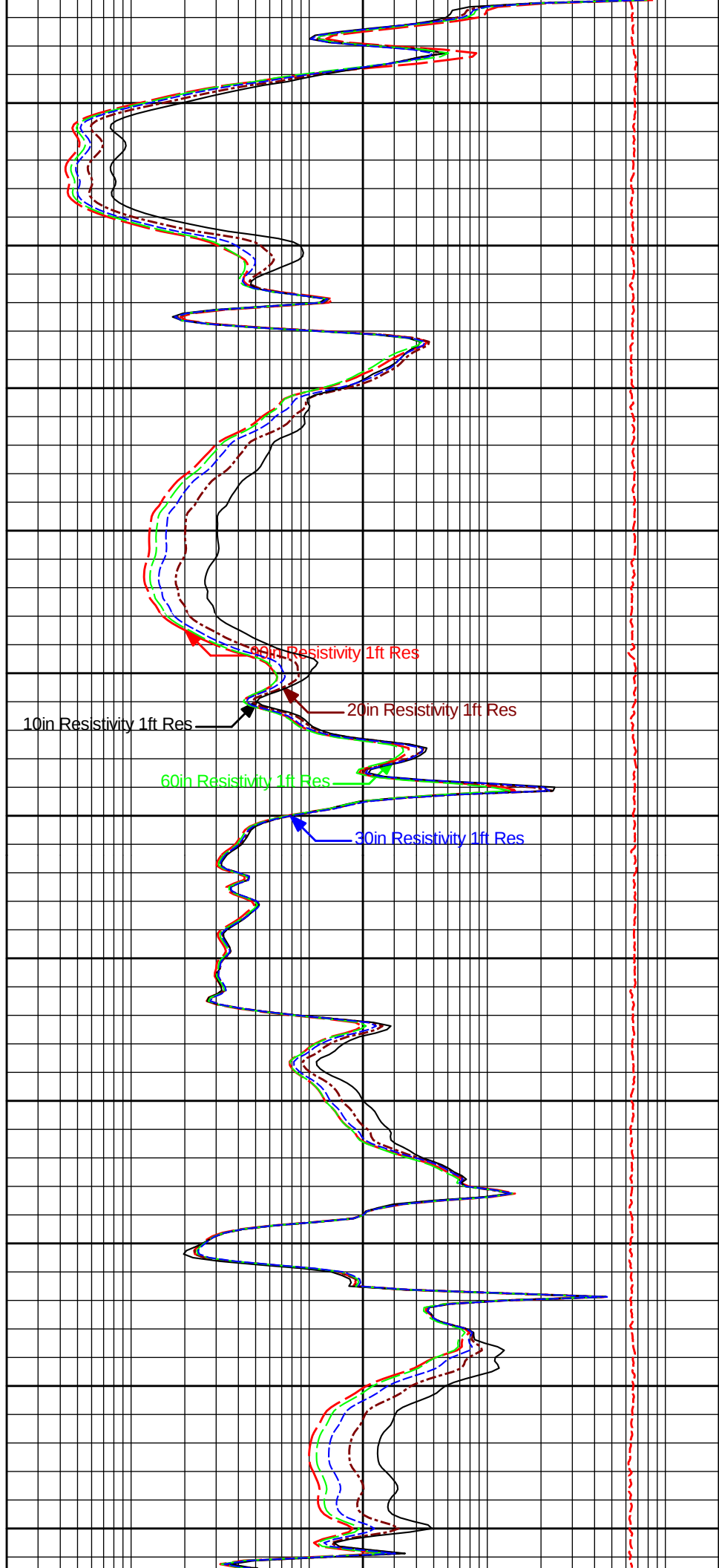
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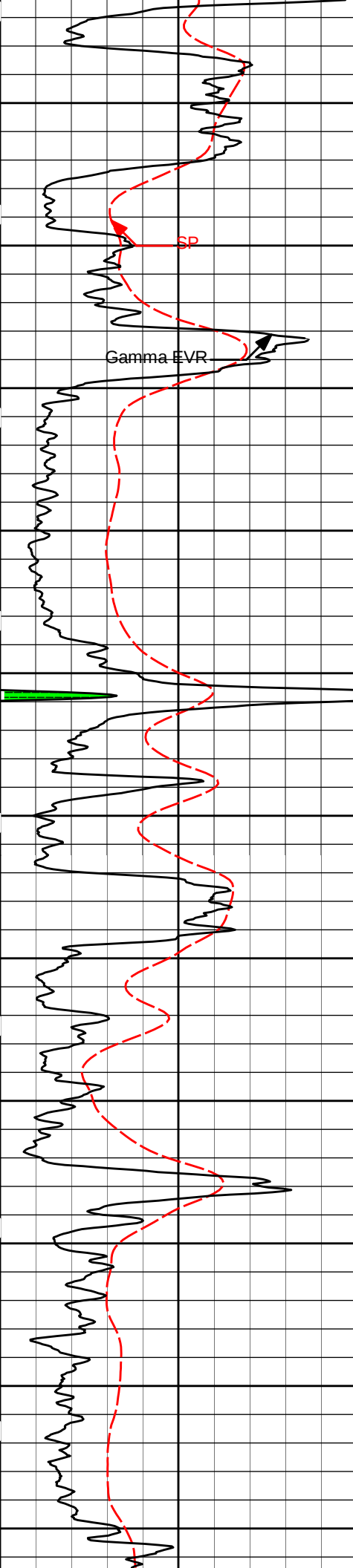
30in Resistivity 1ft Res





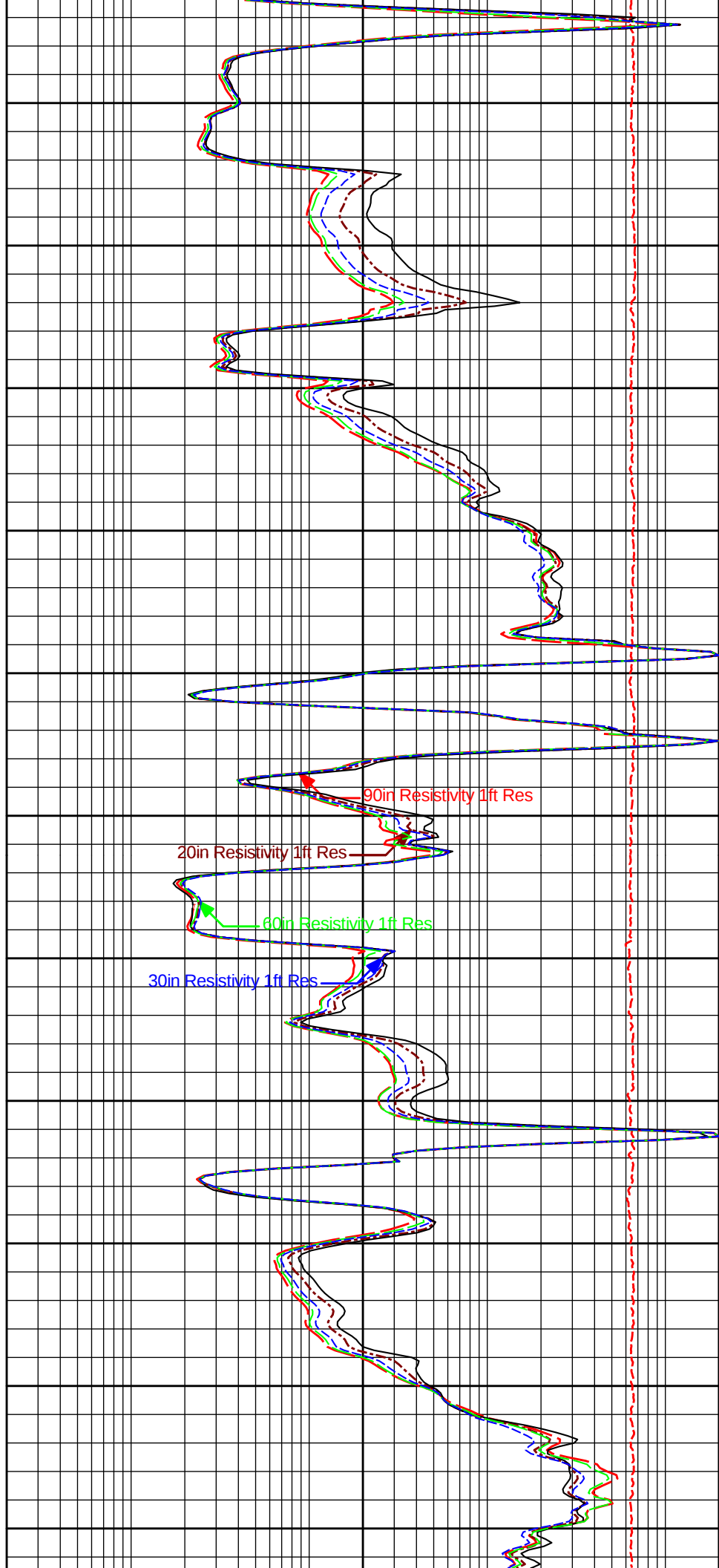
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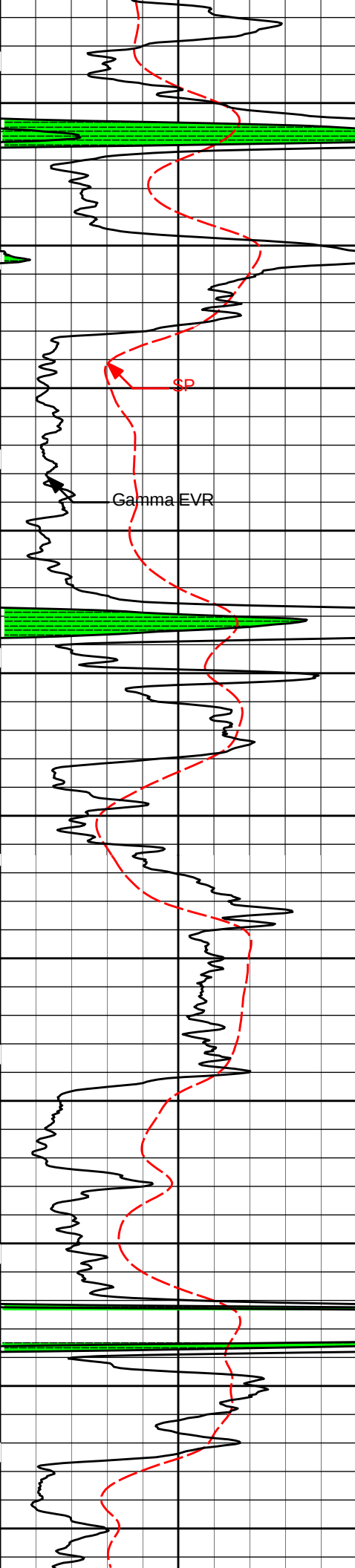




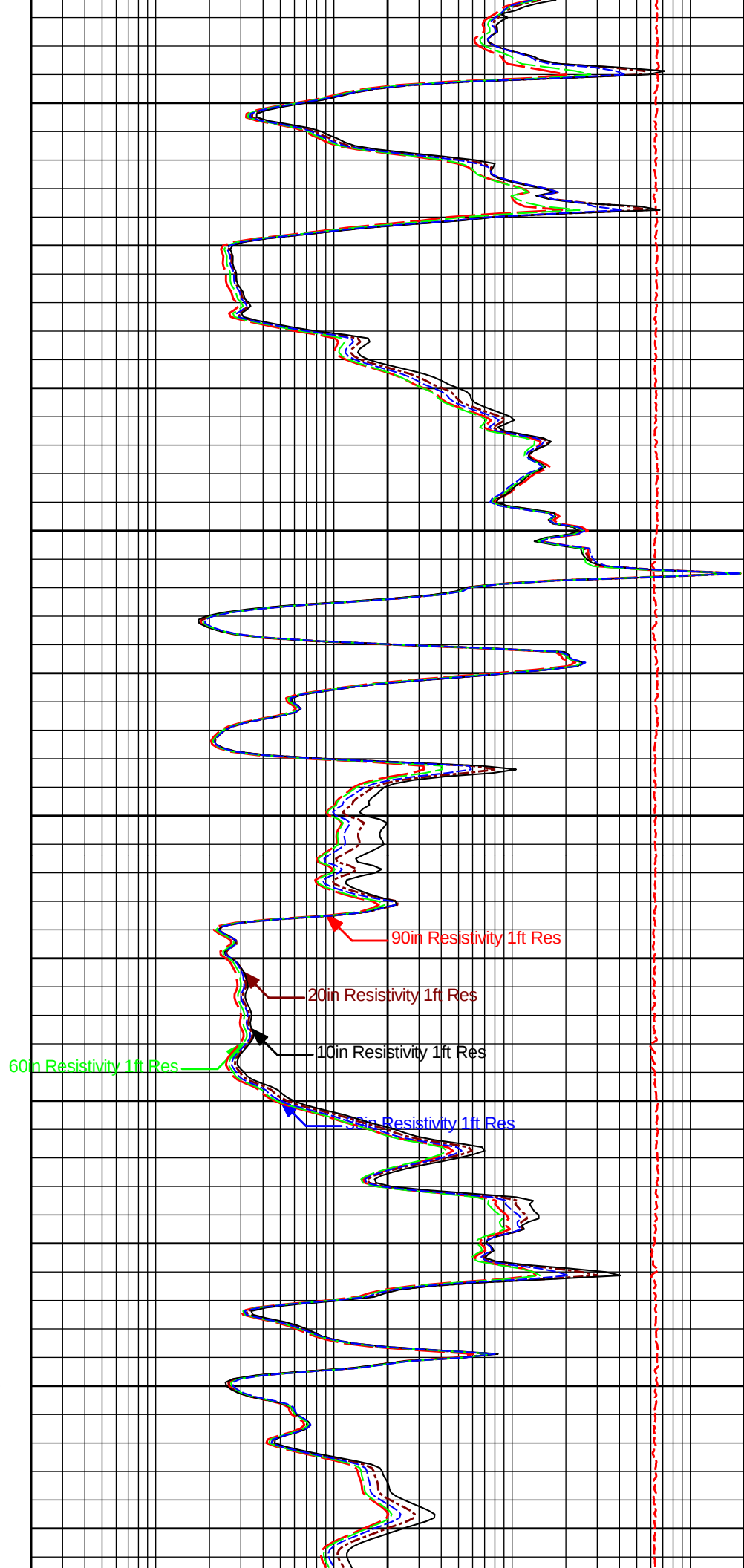
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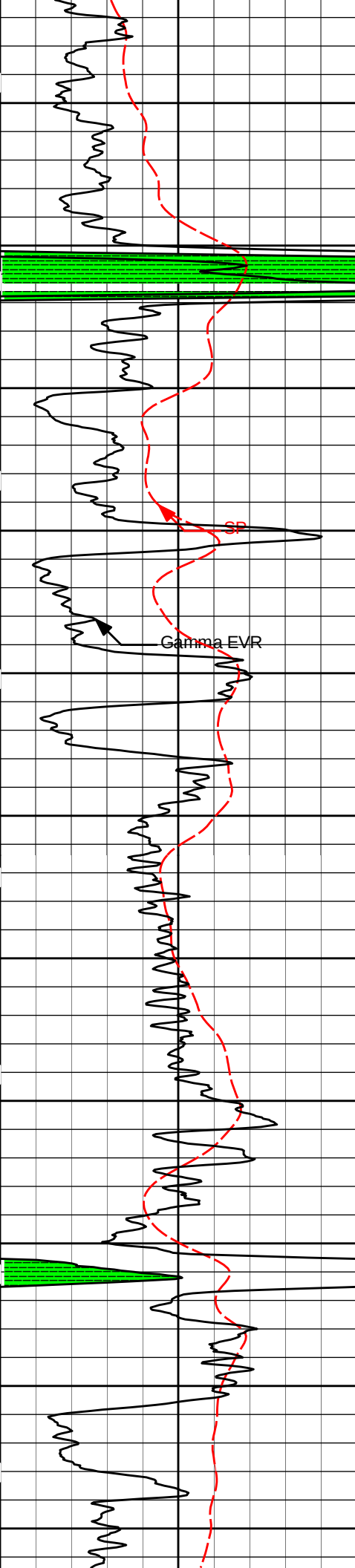
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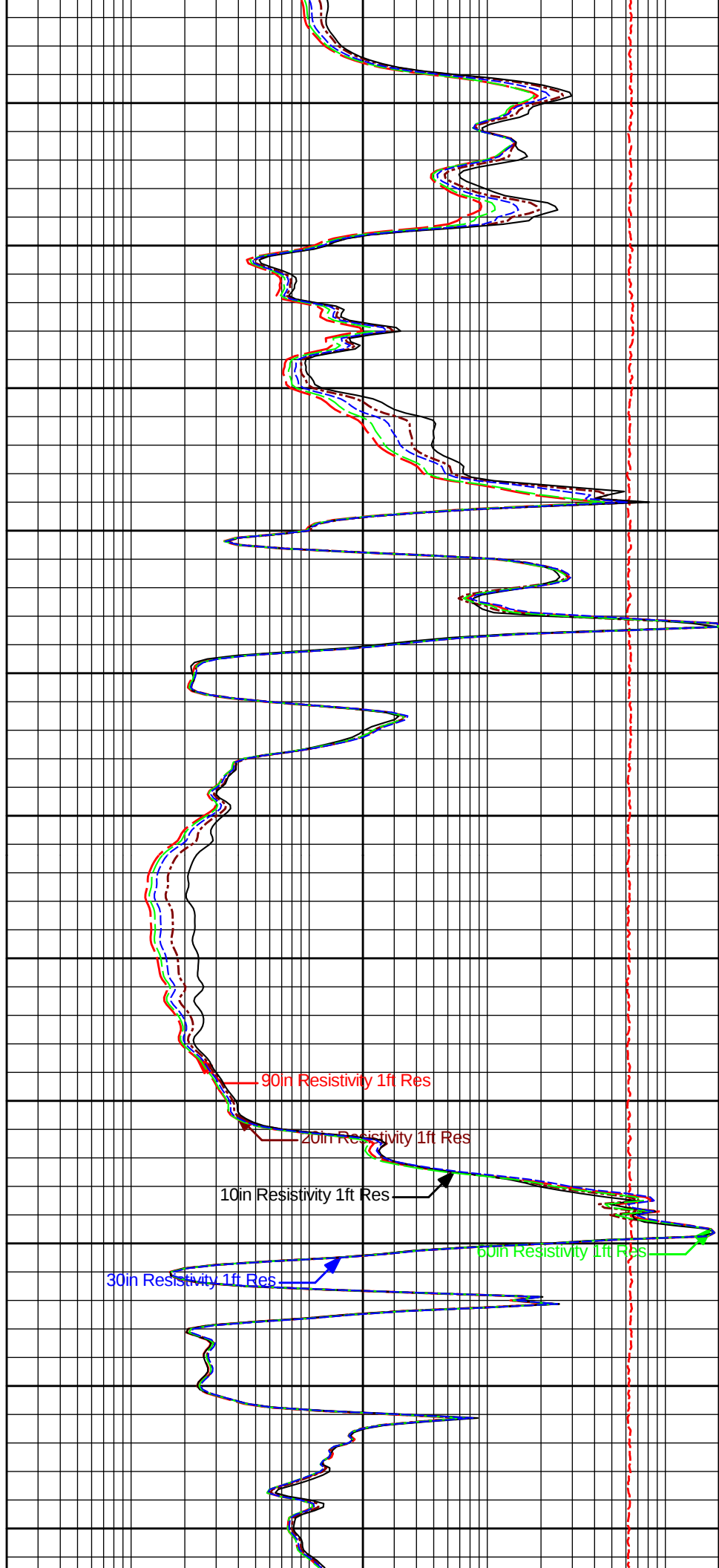


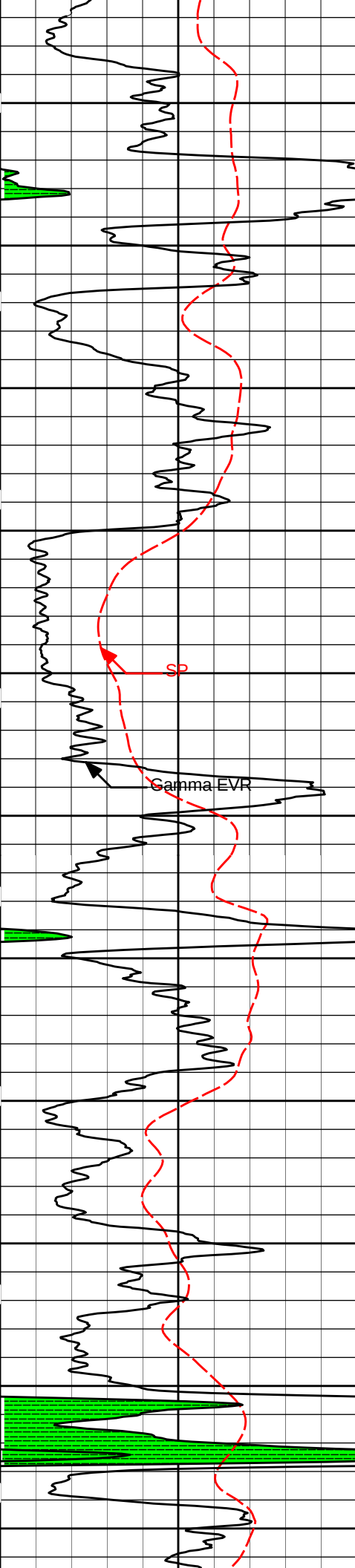
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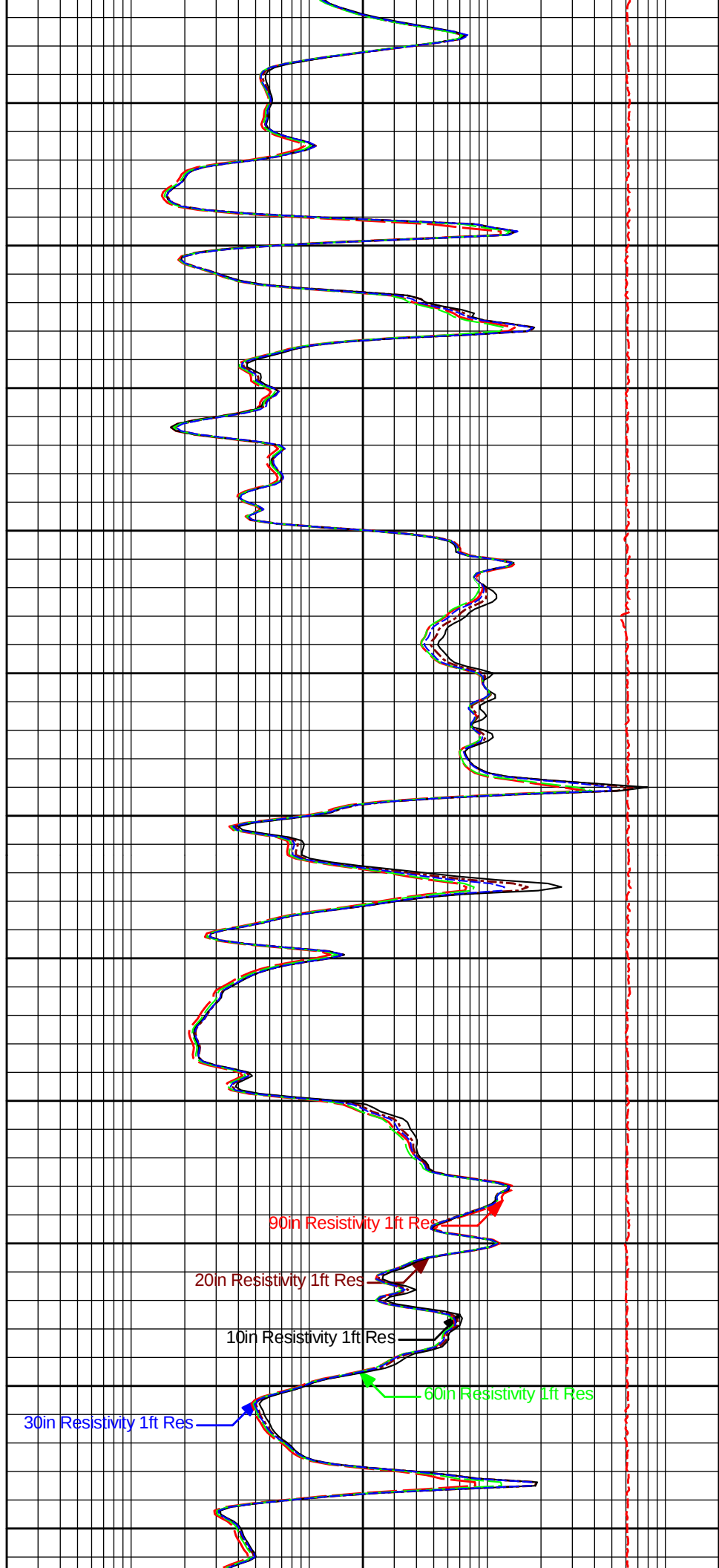


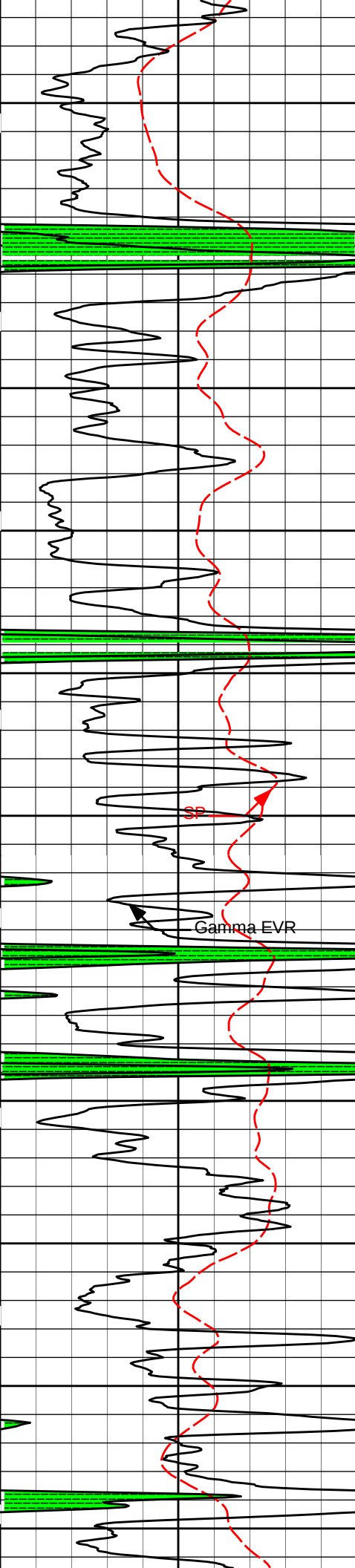
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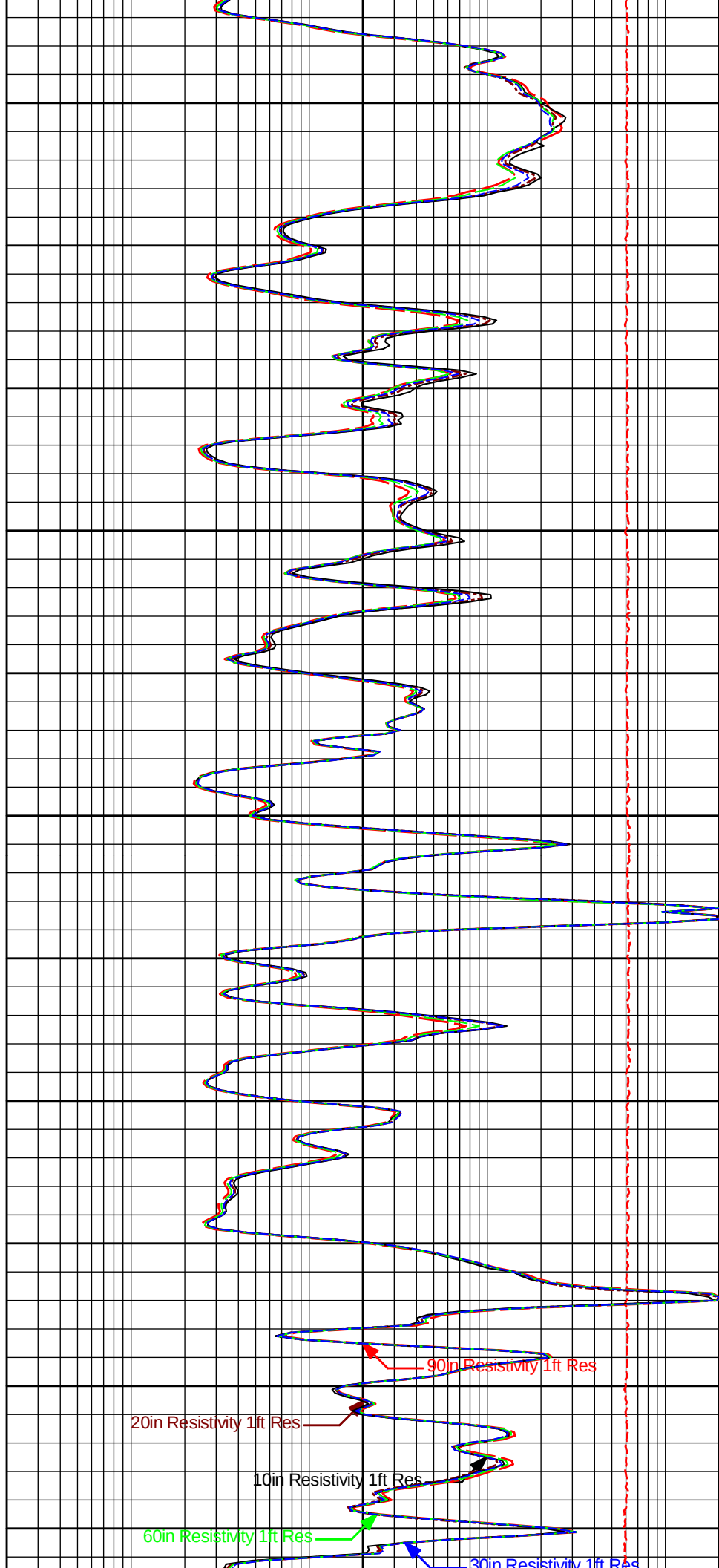


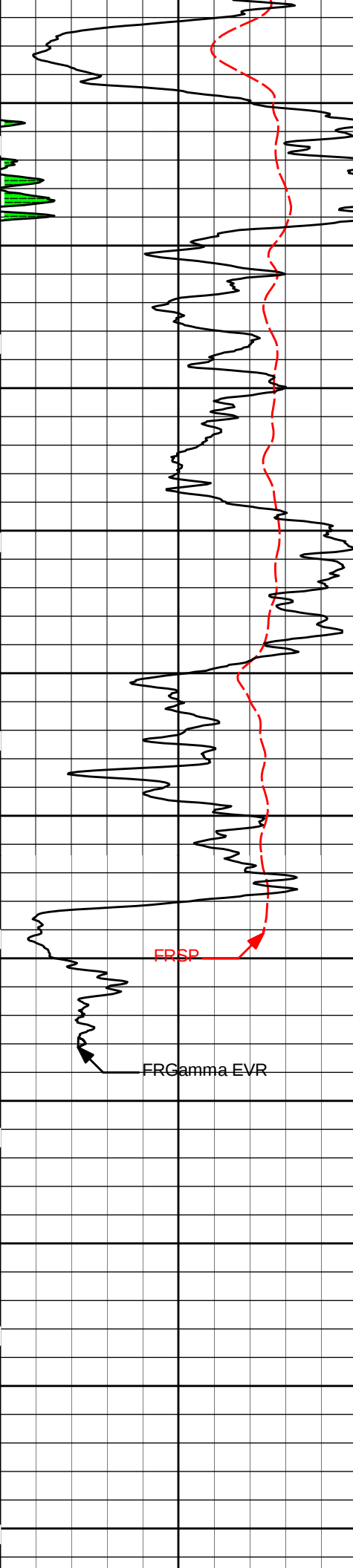
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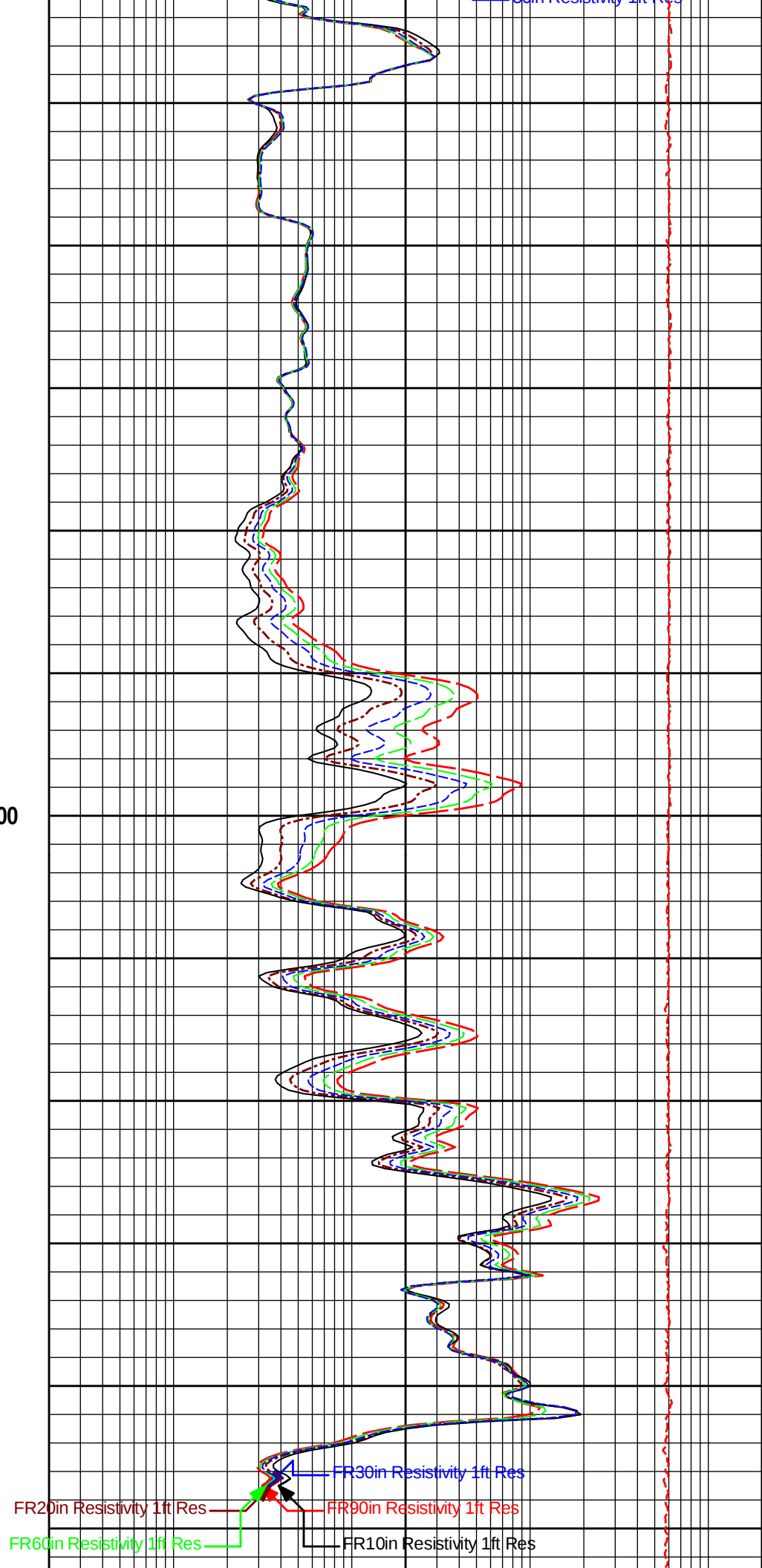


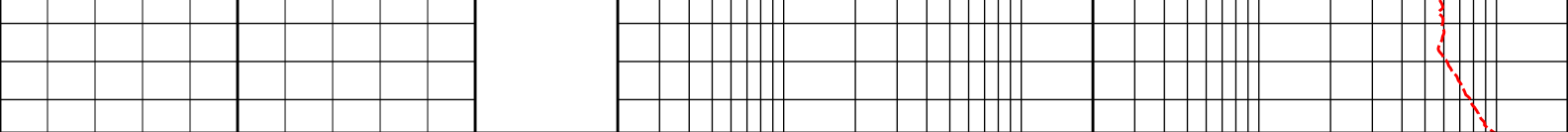
4600





4700





HALLIBURTON

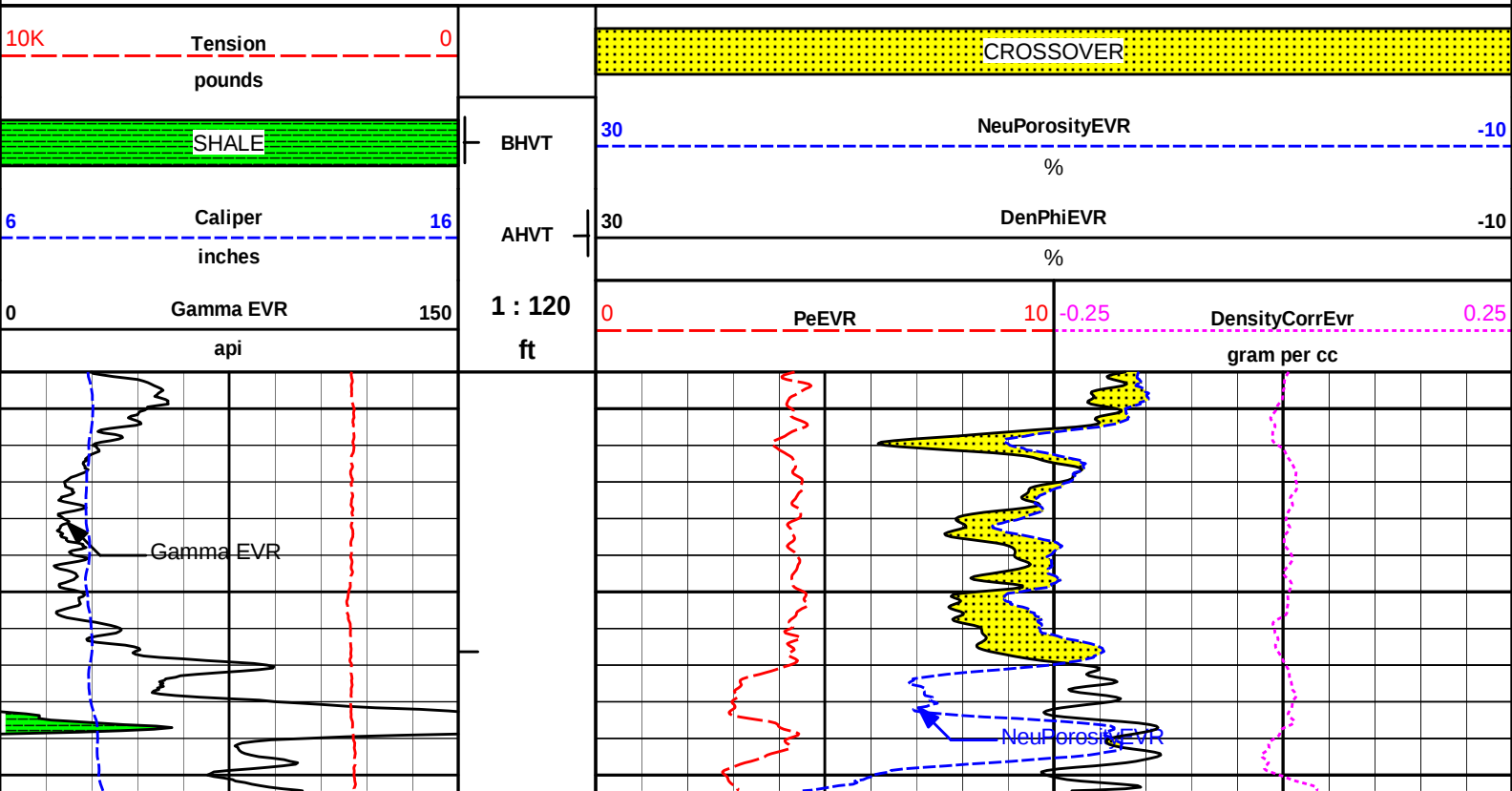
Plot Time: 25-Apr-14 12:38:36
Plot Range: 3748 ft to 4759.75 ft
Data: BOYD 1-3\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-BOYD 1-3\0001 SP-GTET-DSNT-SDLT-ACRT-BNIEVRIACRT_10_EVR_LIB

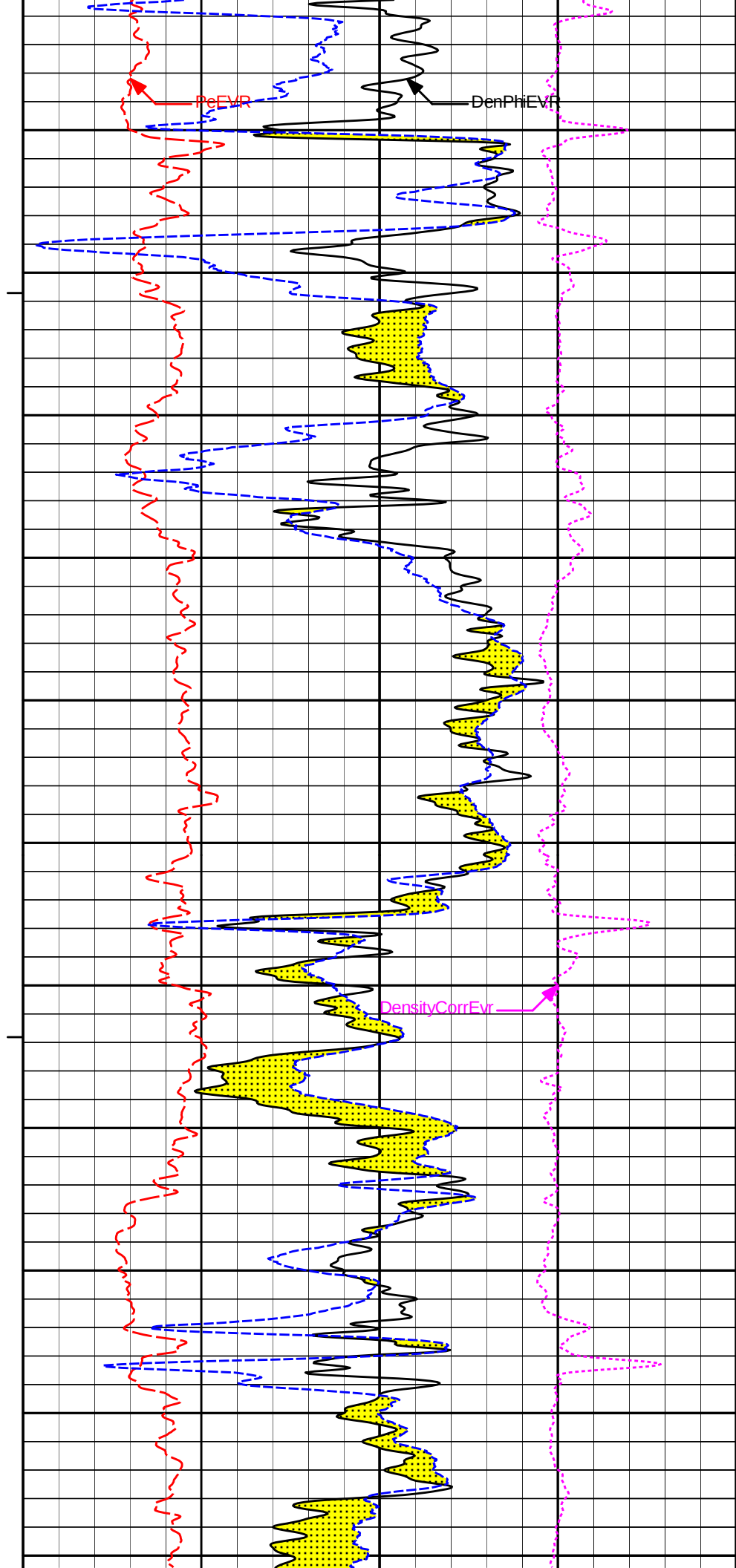
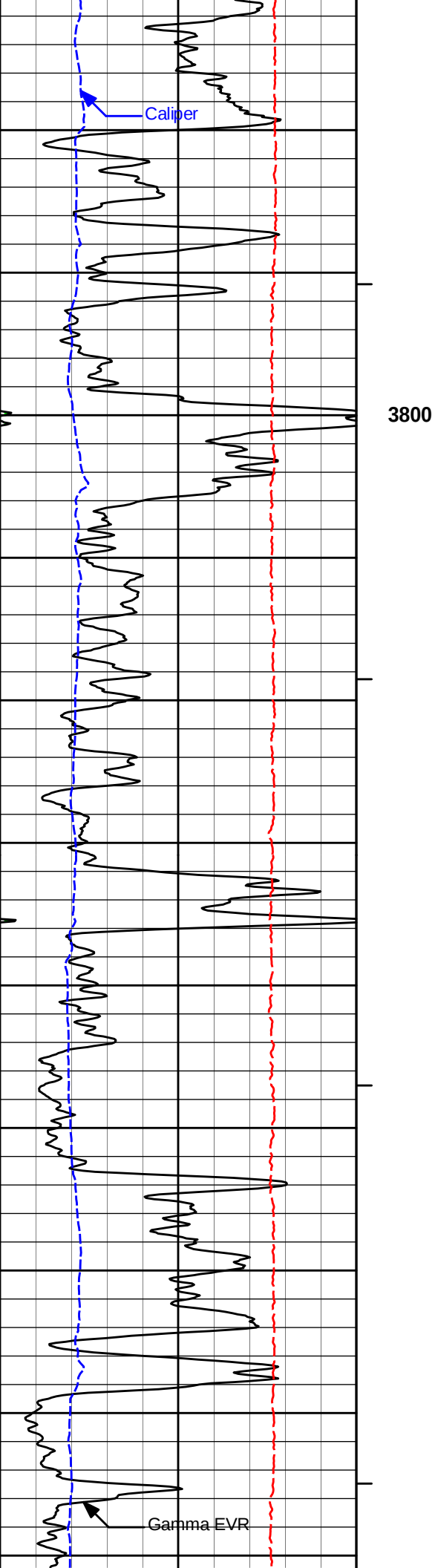
MAIN SECTION 10" PER 100'

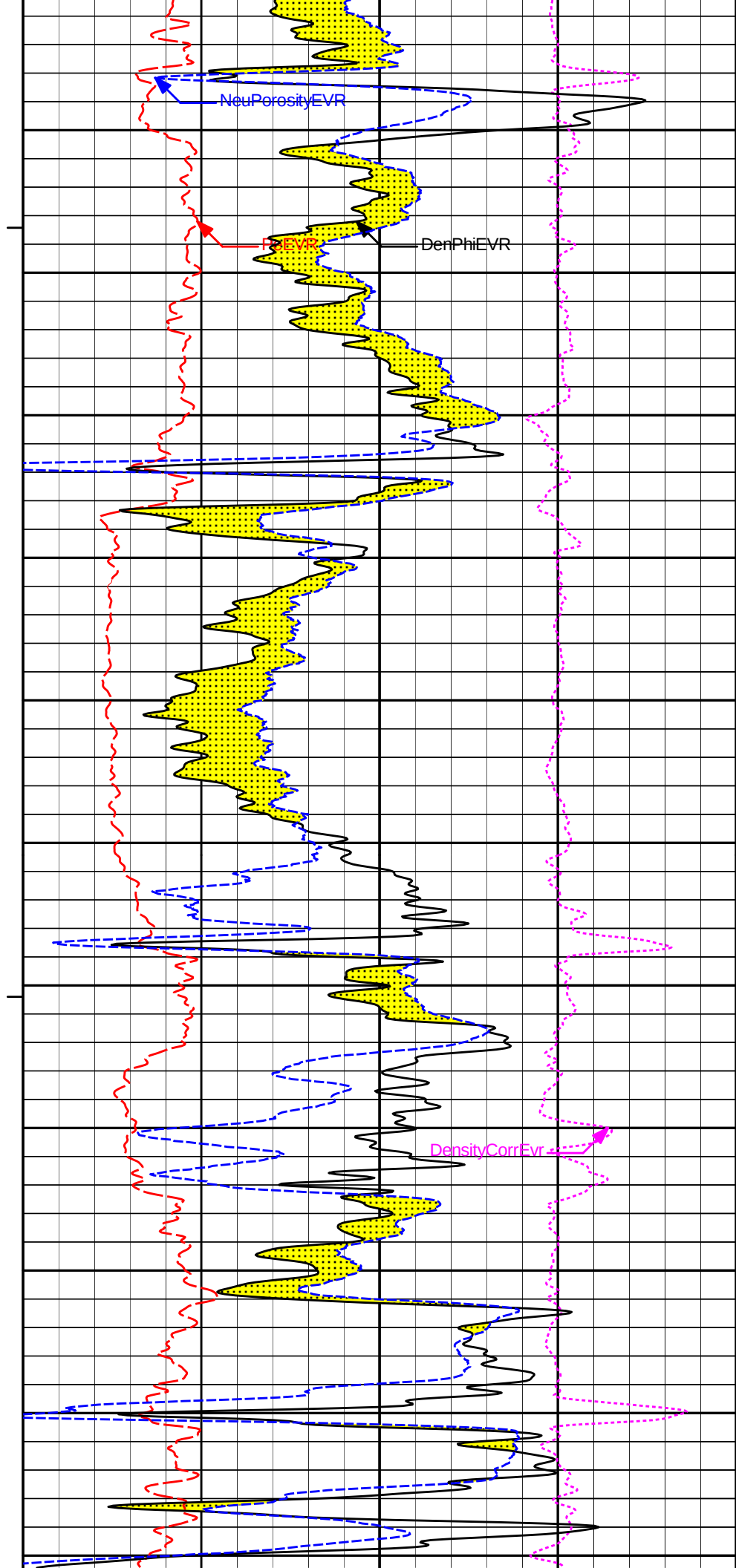
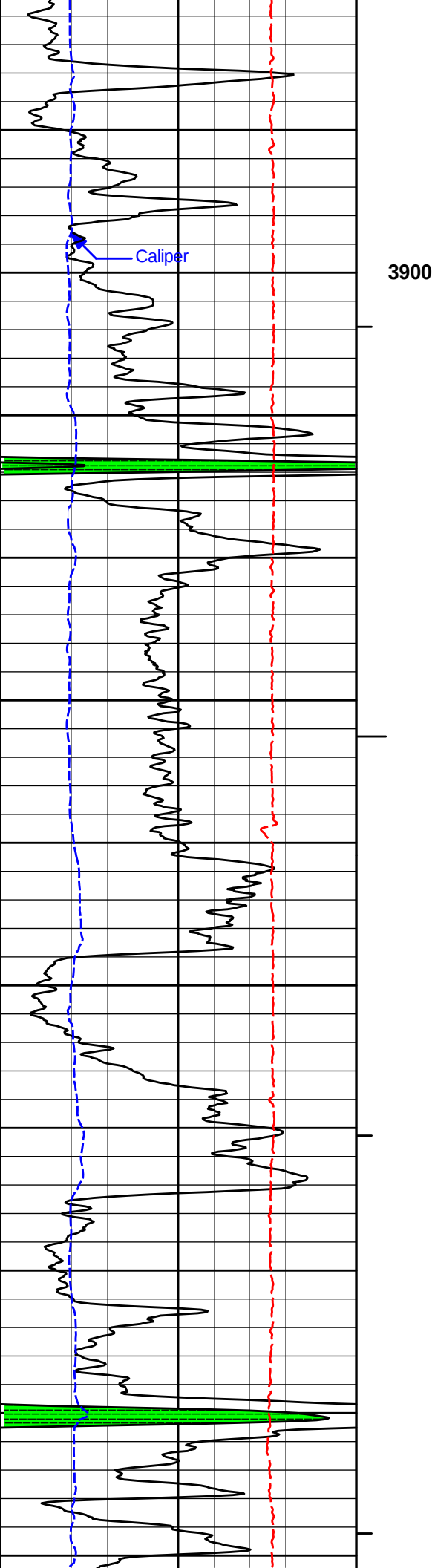
HALLIBURTON

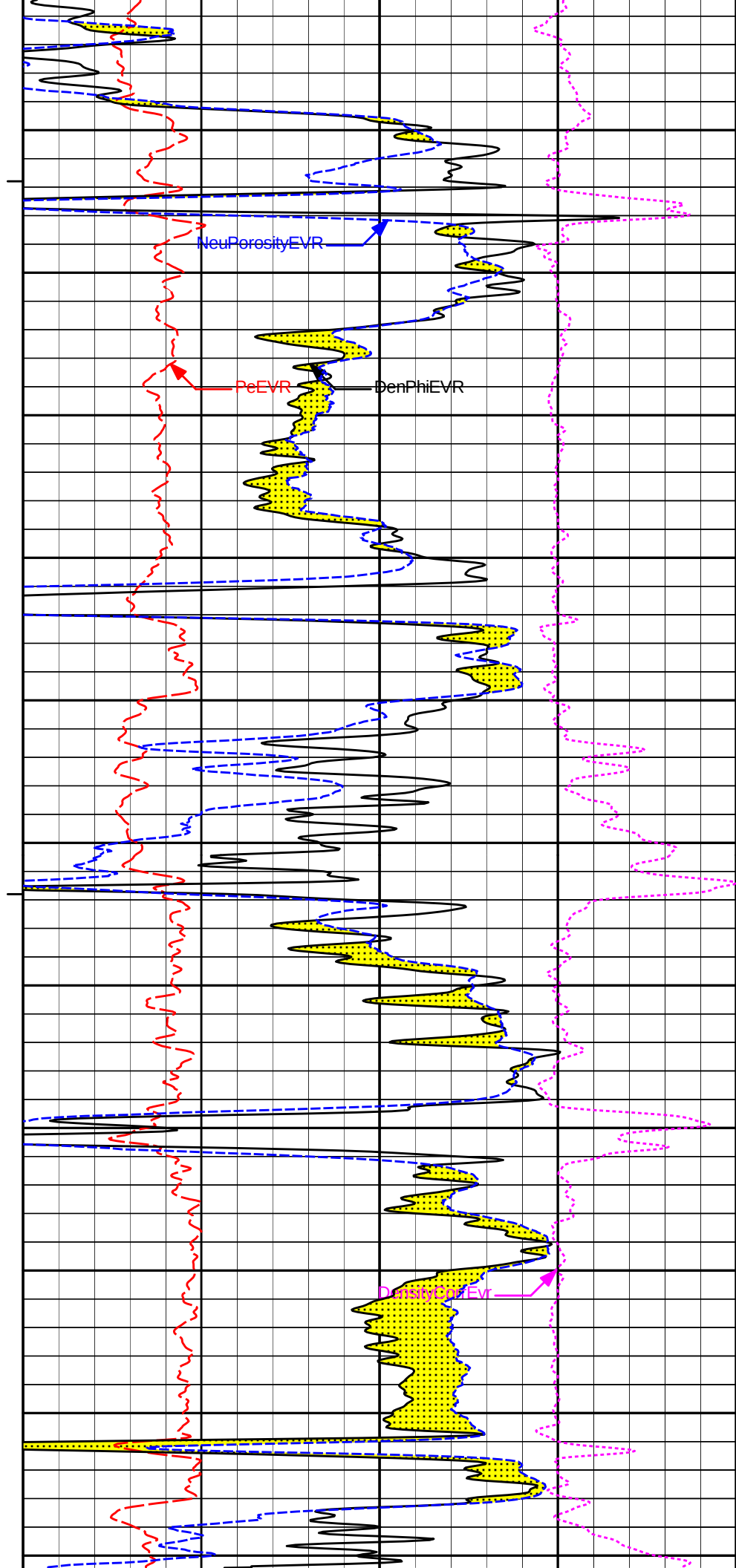
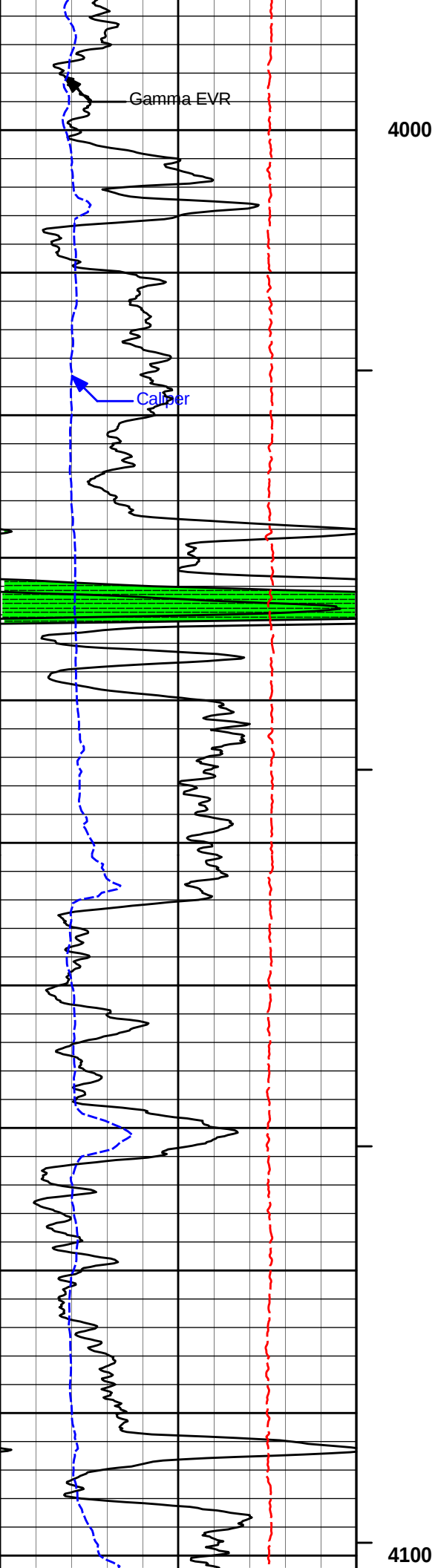
Plot Time: 25-Apr-14 12:38:36
Plot Range: 3748 ft to 4759.75 ft
Data: BOYD 1-3\Well Based\DAQ-0001-004\
Plot File: \\EVR\PorosityEVR_LIB

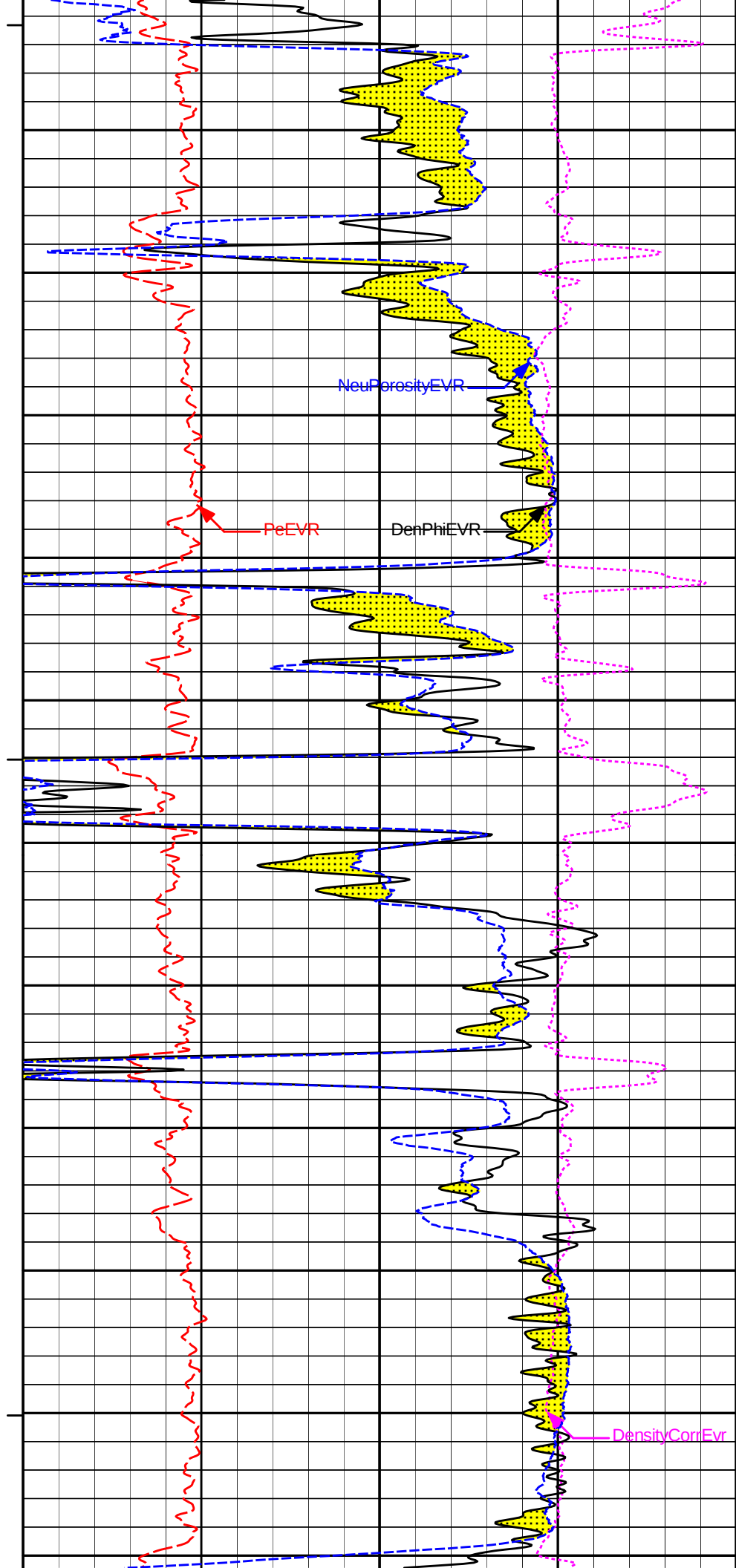
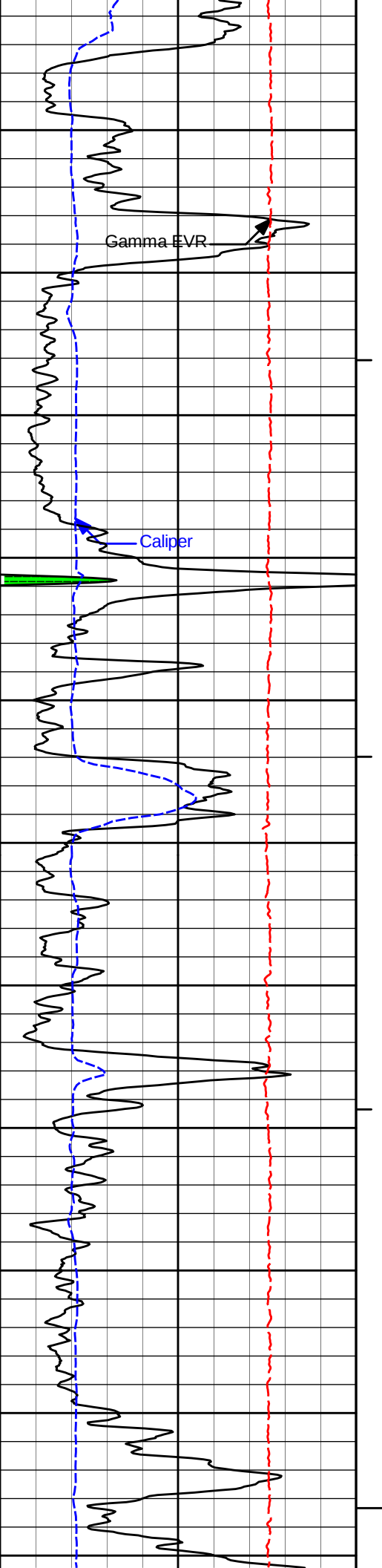
MAIN PASS 10" = 100'

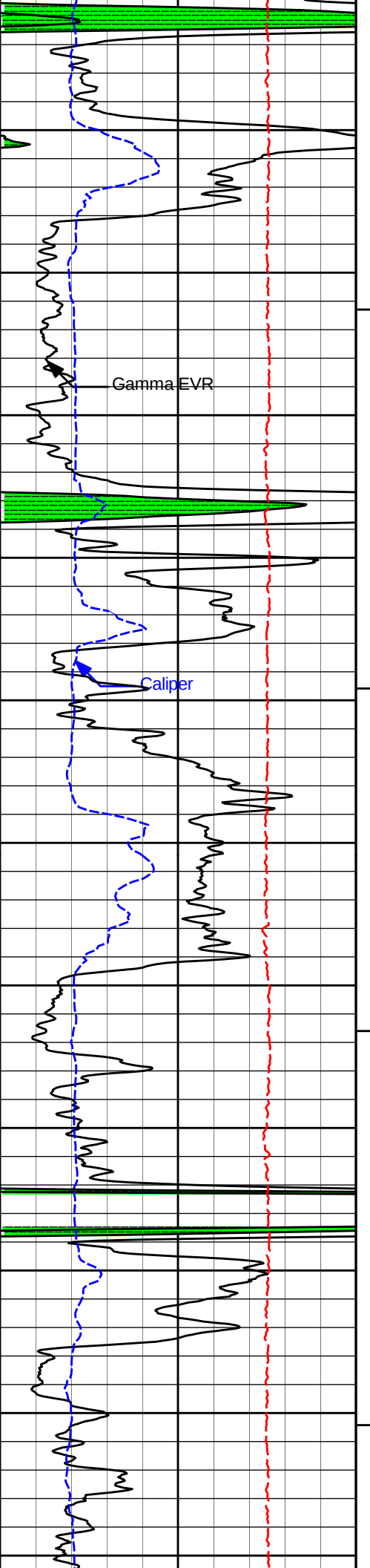




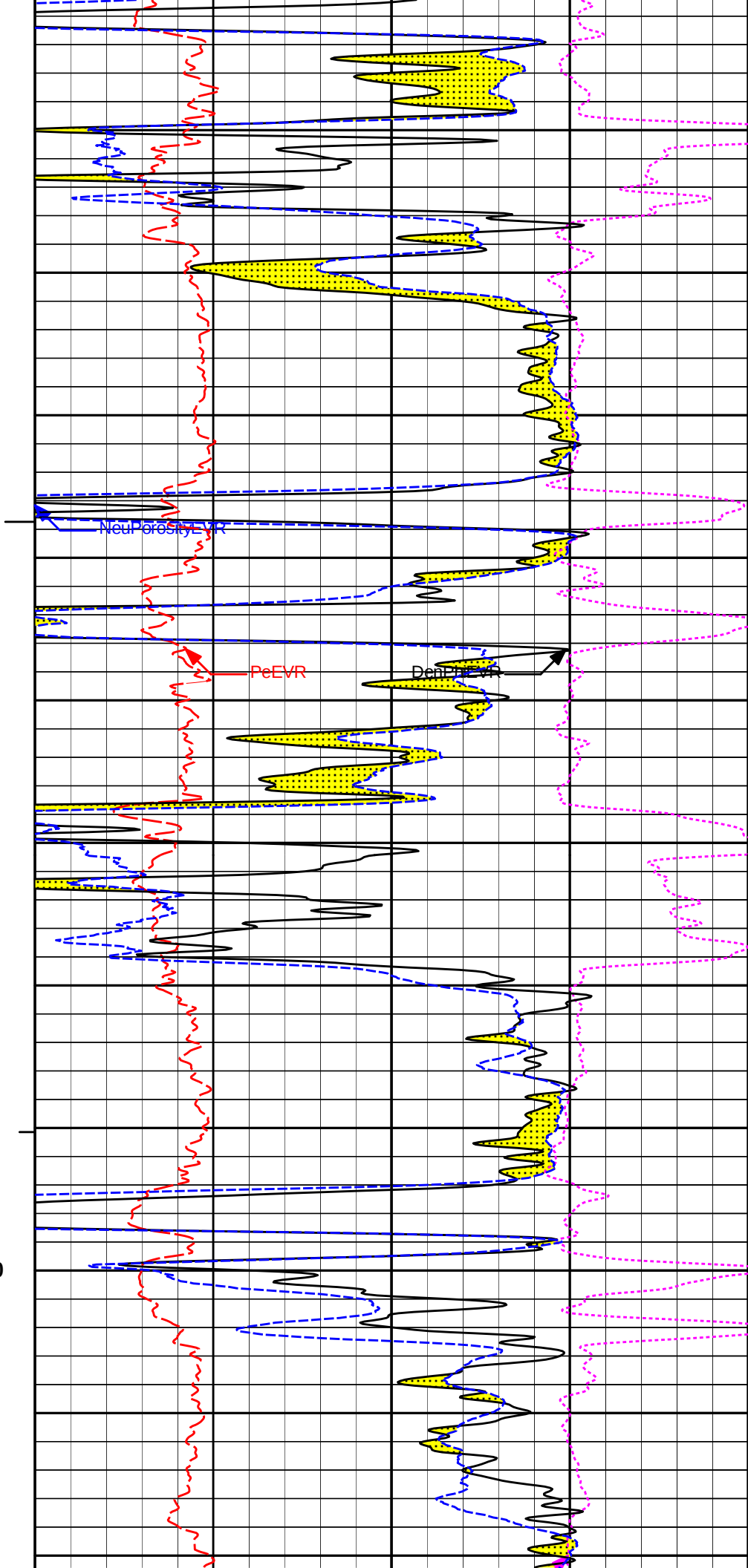


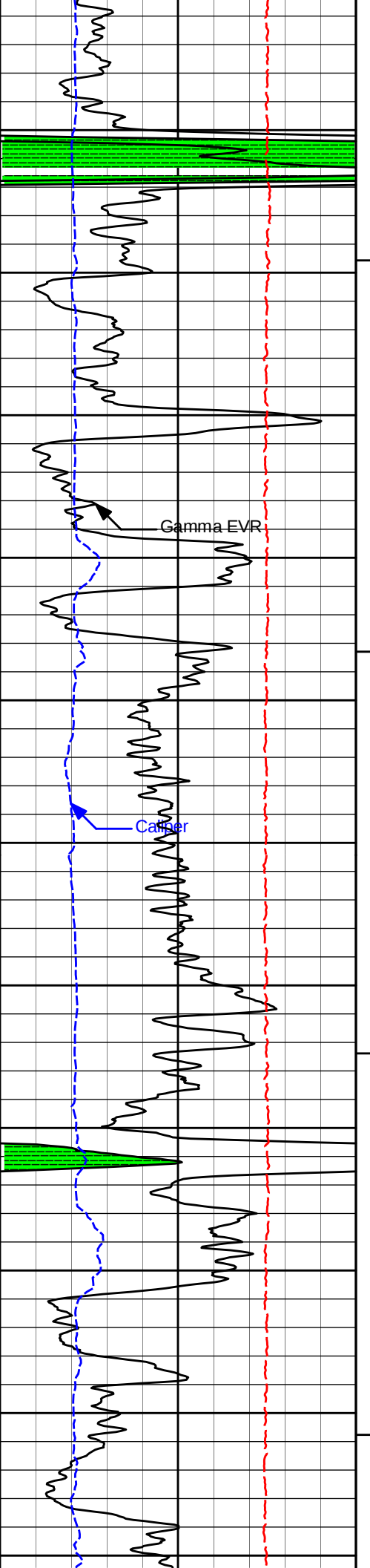




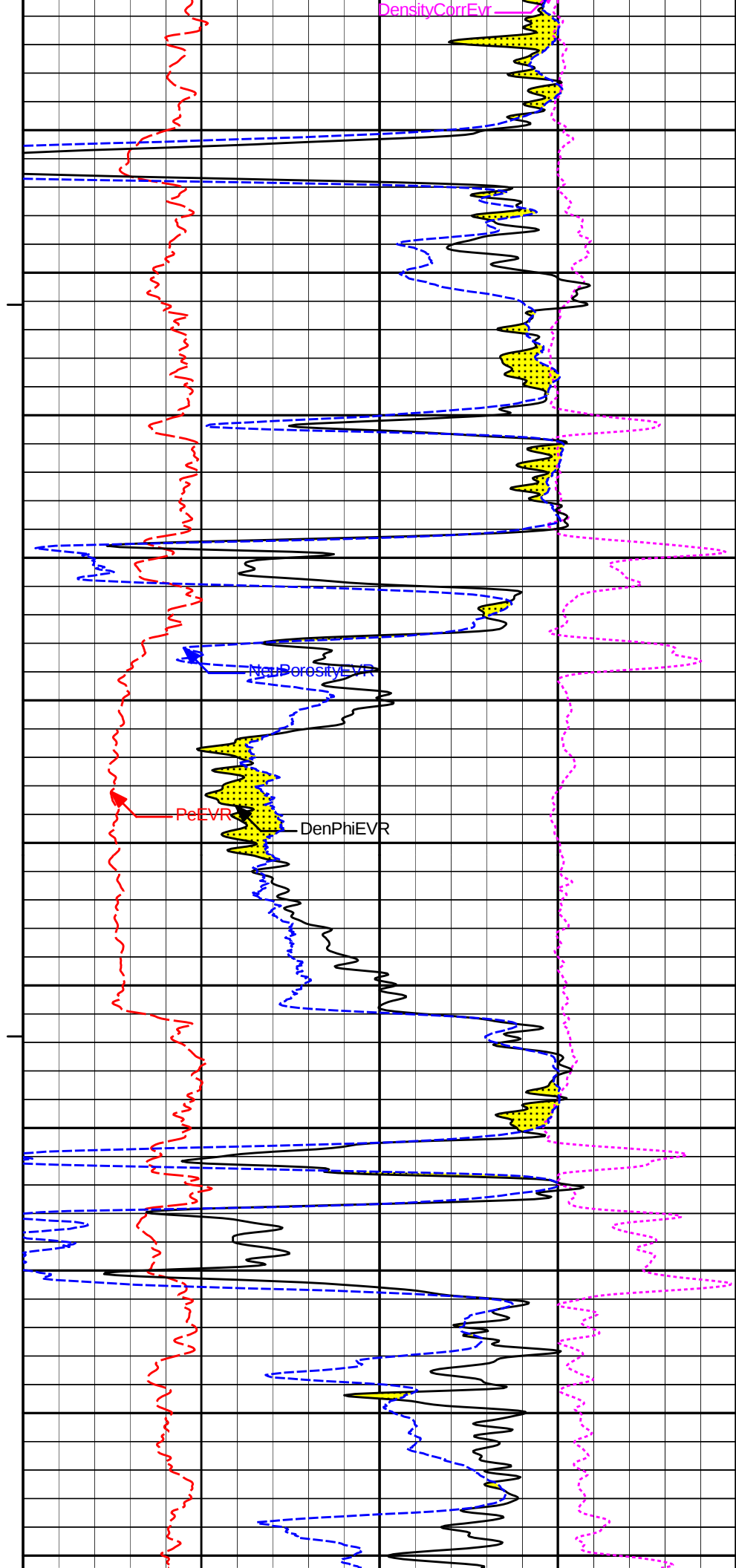


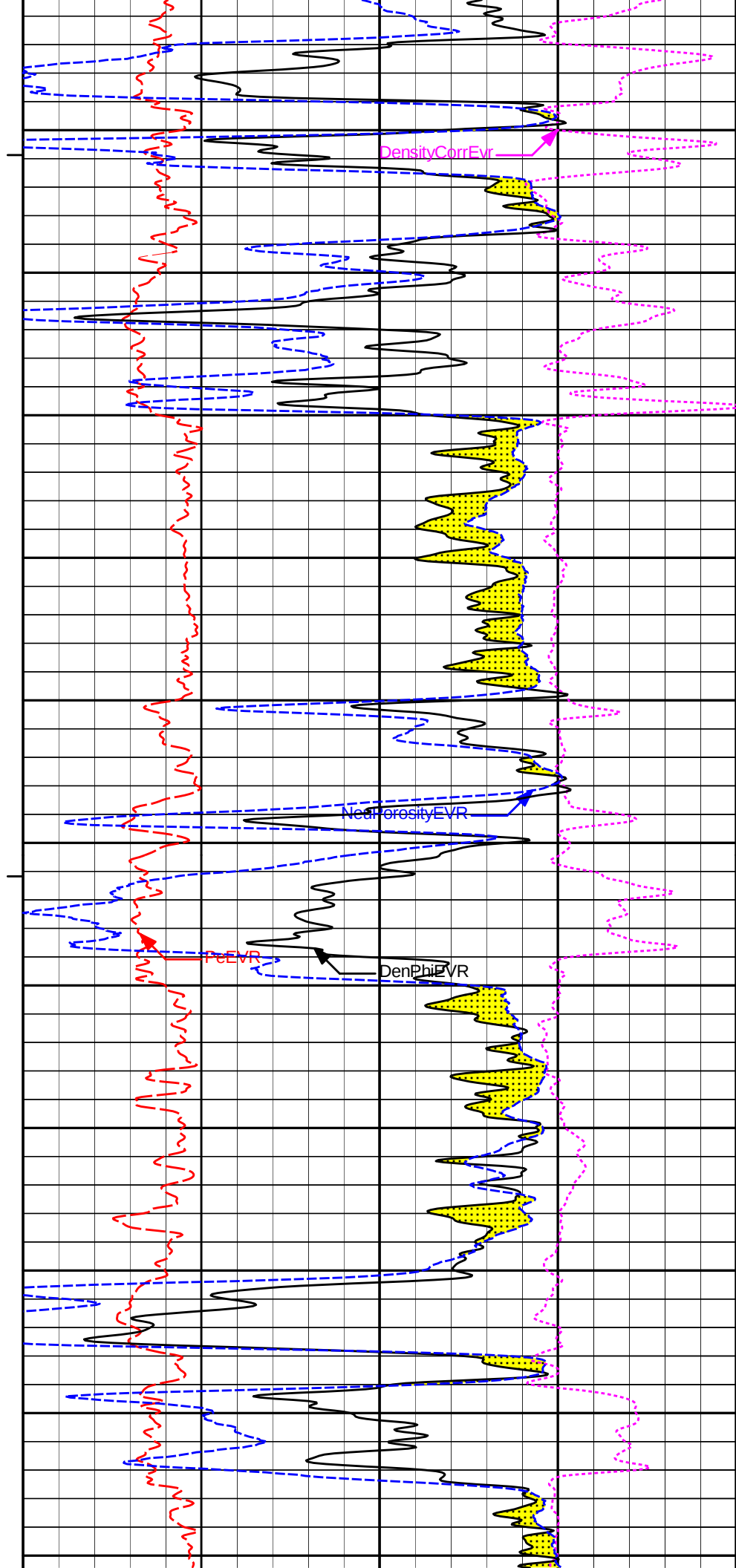
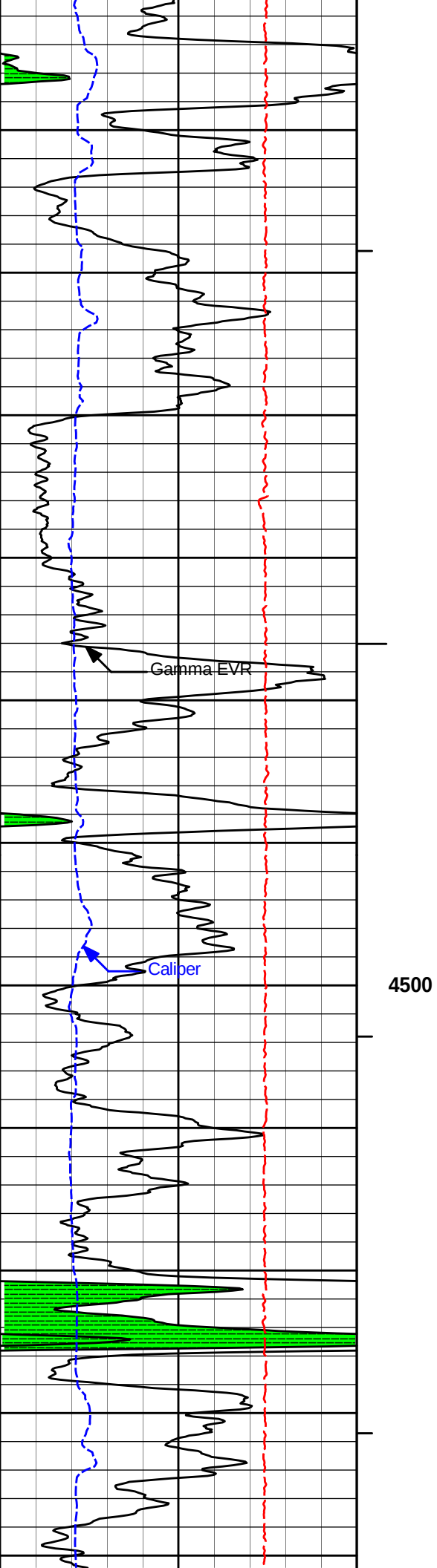
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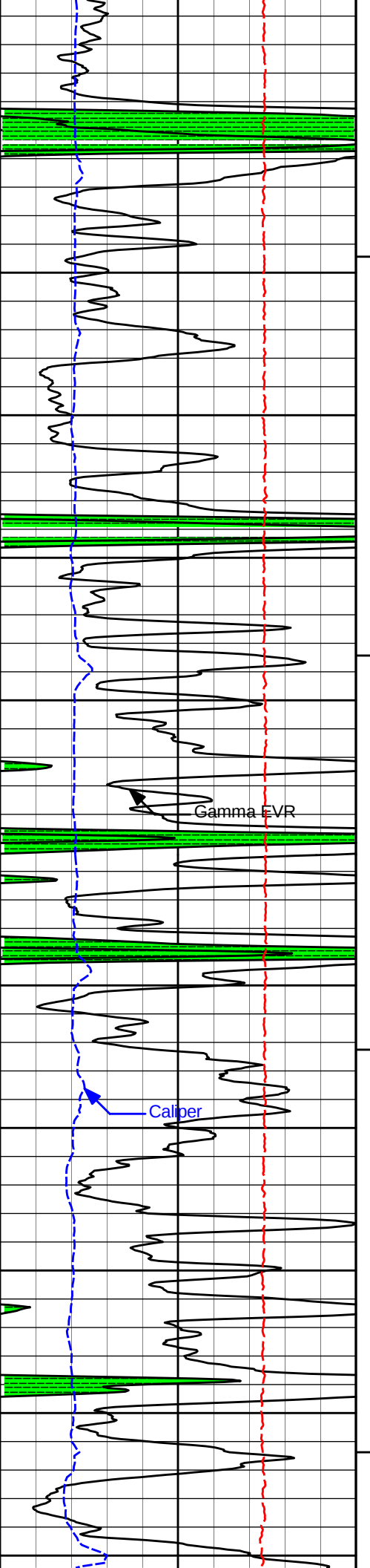




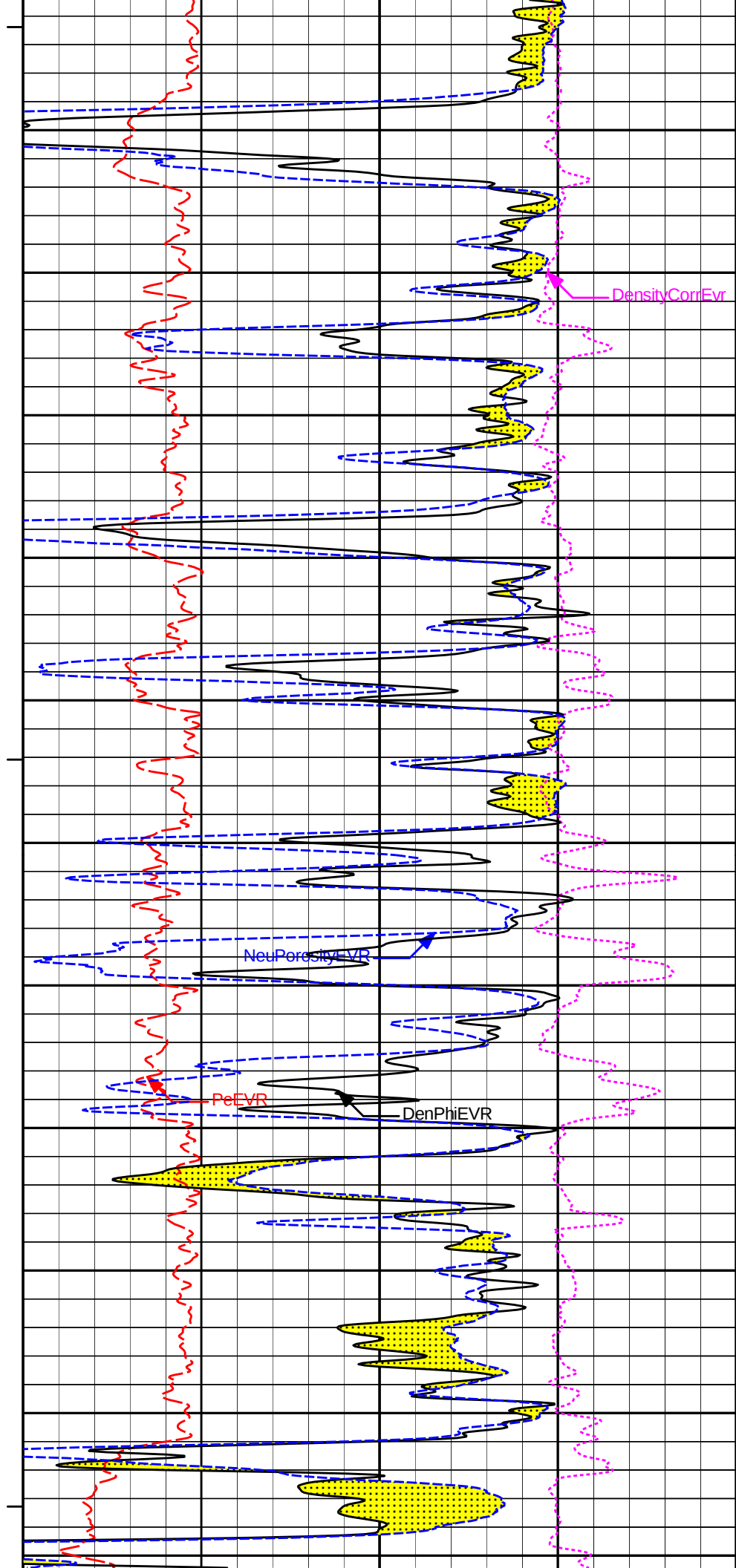
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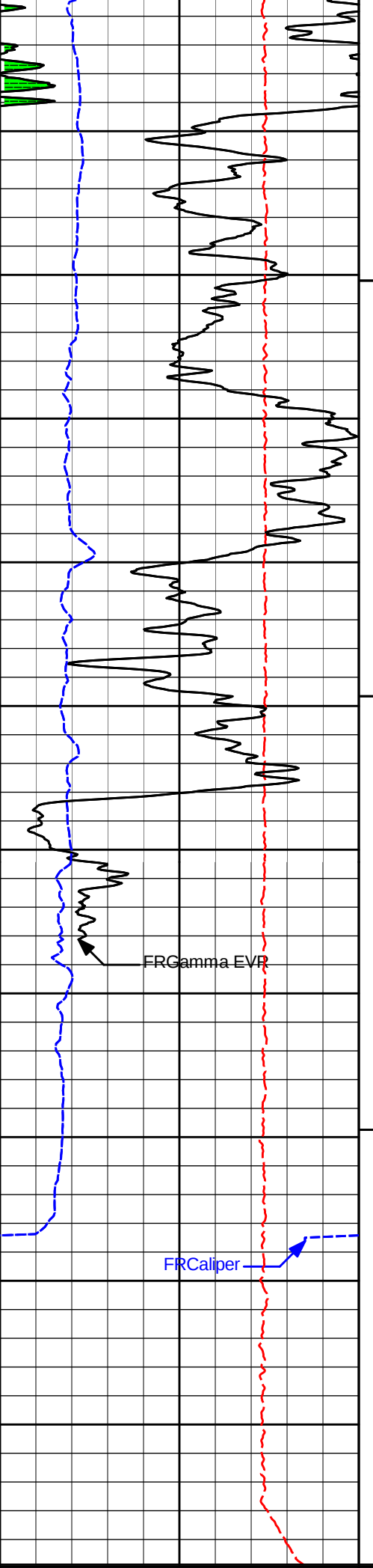




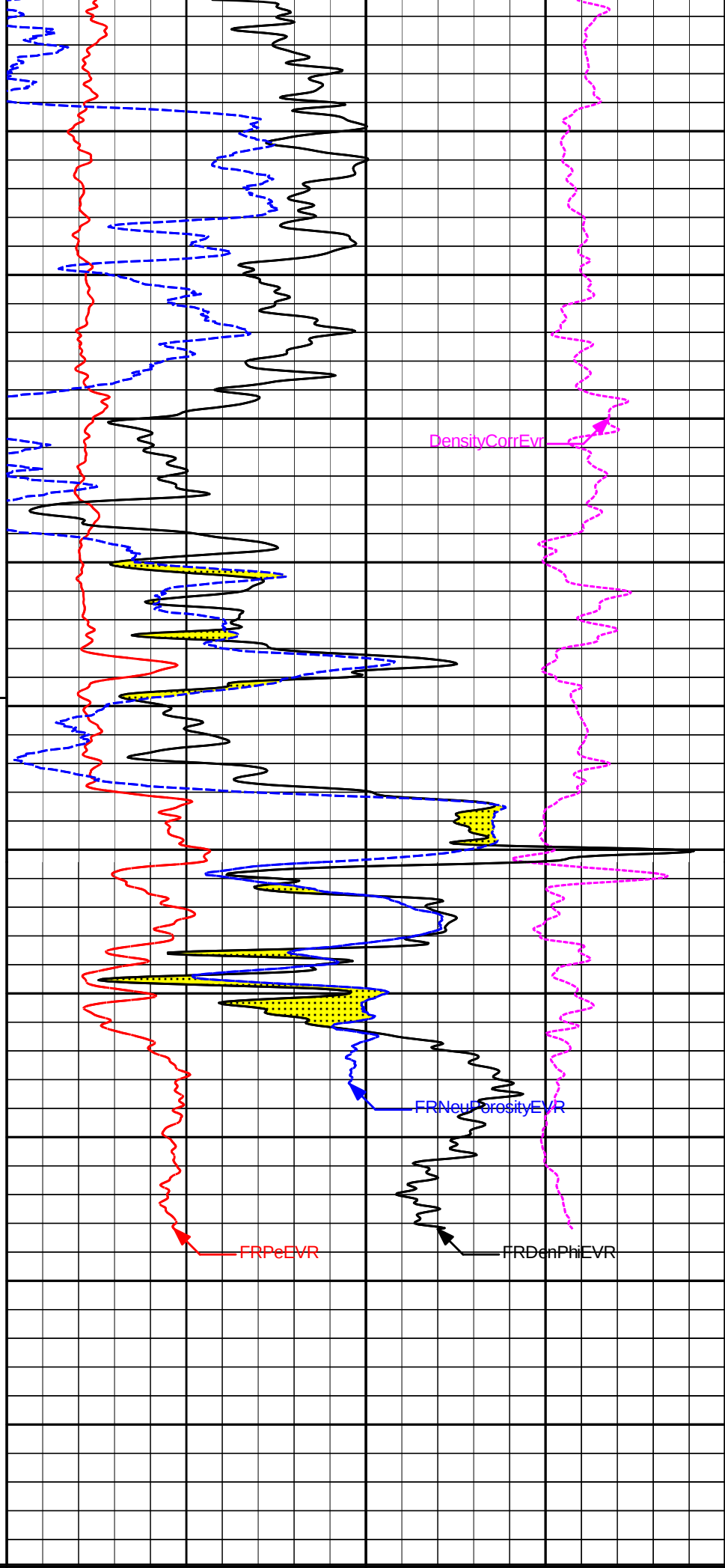


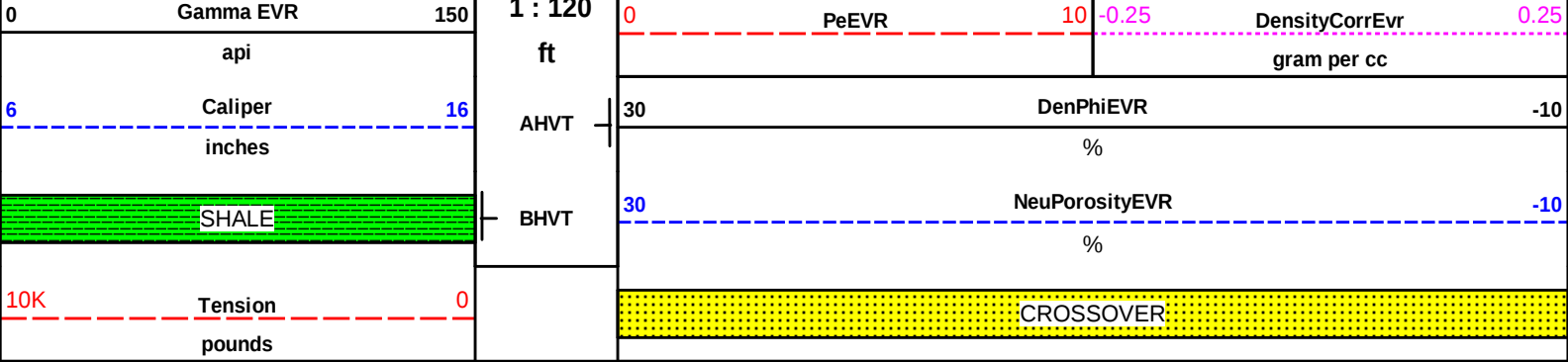
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4700





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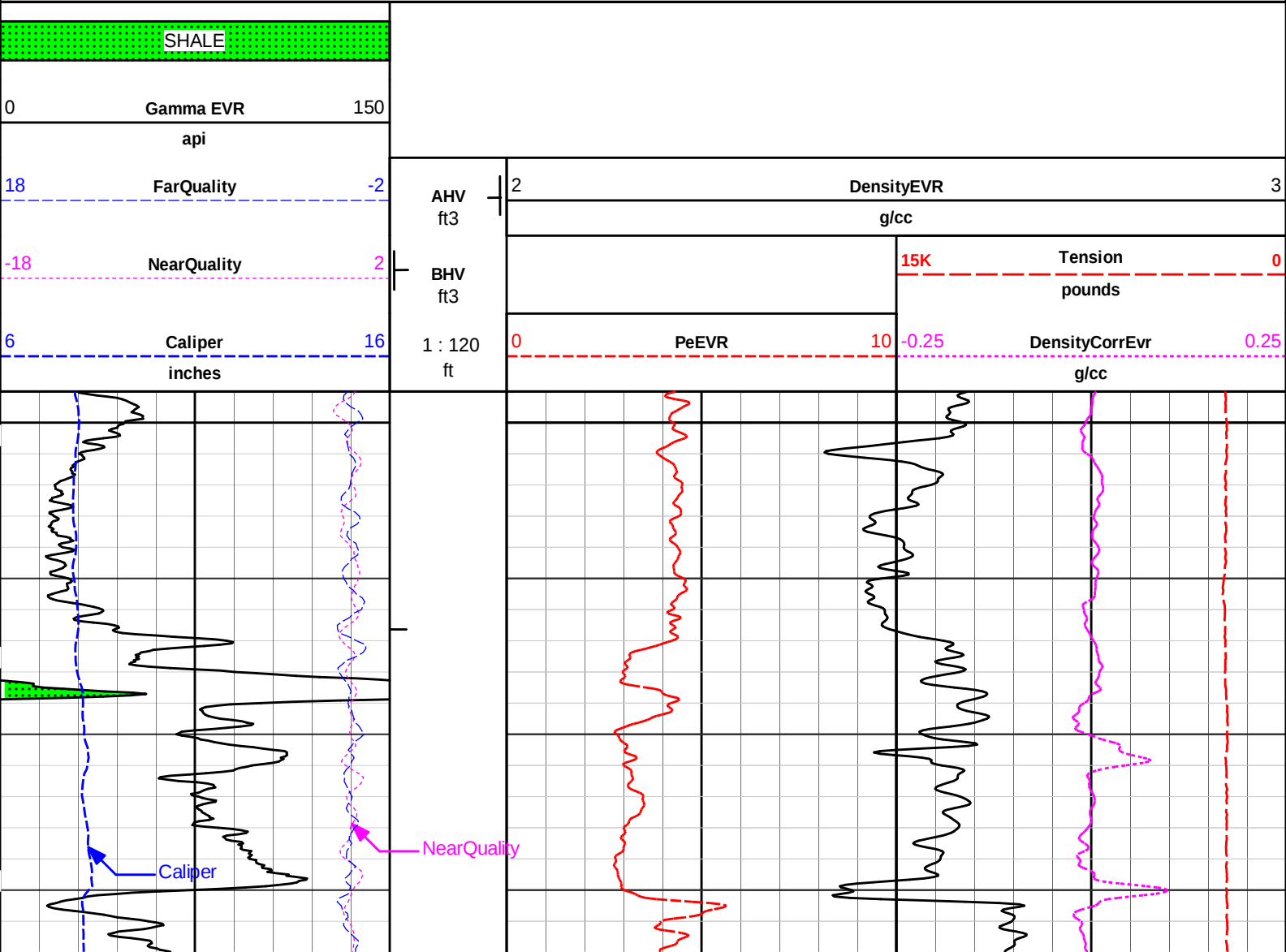
Plot Time: 25-Apr-14 12:40:04
Plot Range: 3748 ft to 4759.75 ft
Data: BOYD 1-3\Well Based\DAQ-0001-004\
Plot File: \\EVR\PorosityEVR_LIB

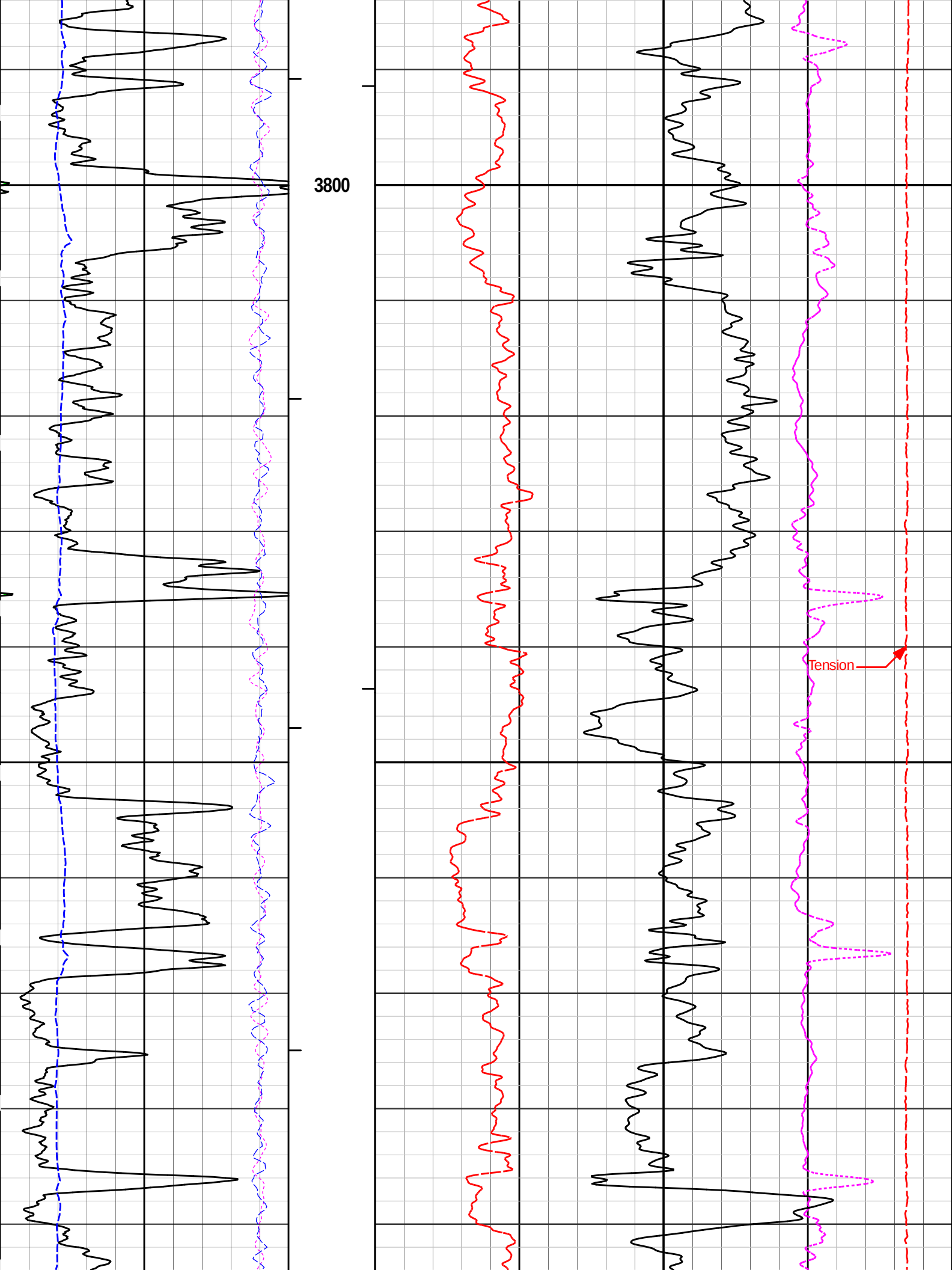
MAIN PASS 10" = 100'

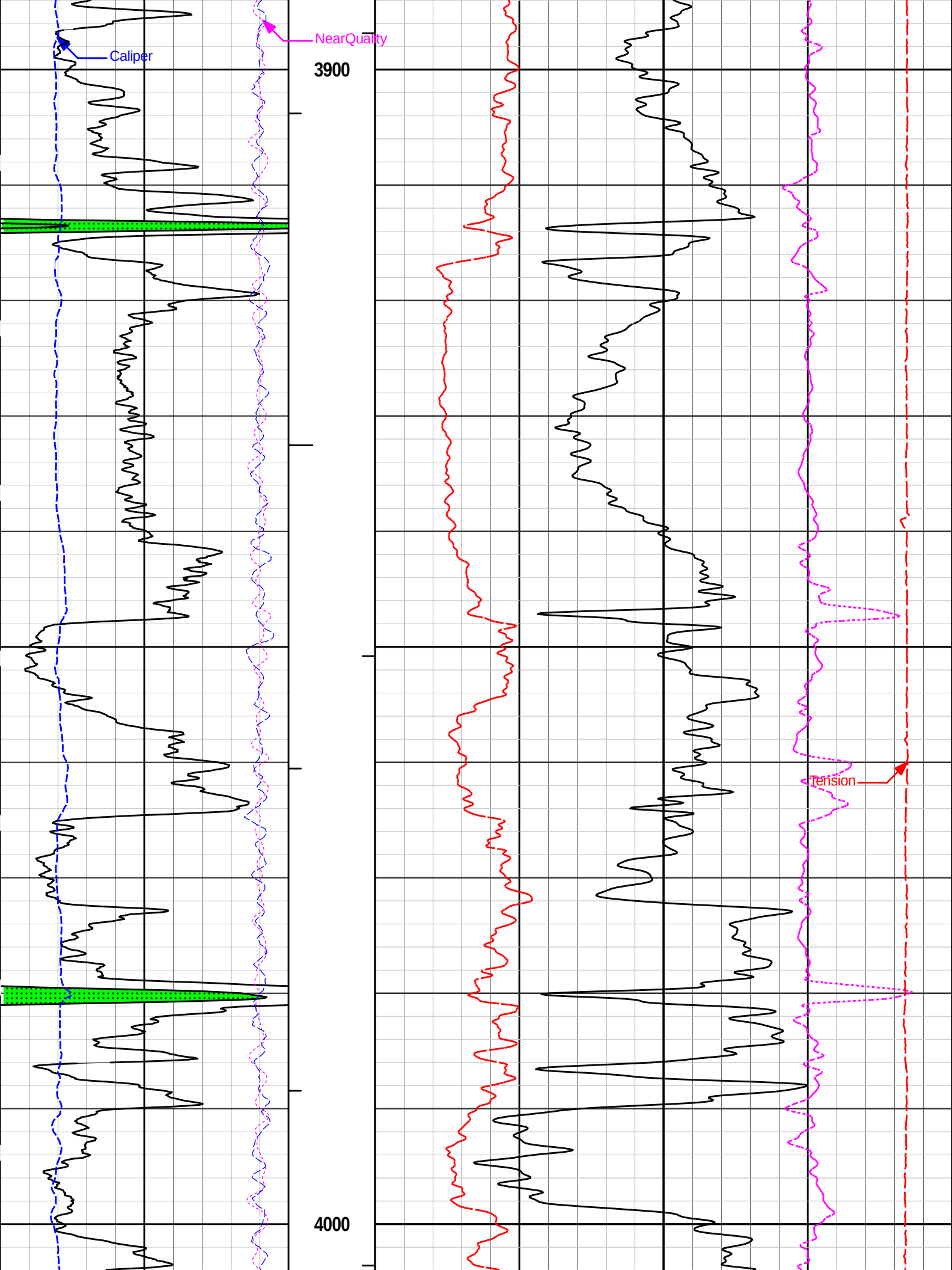
HALLIBURTON

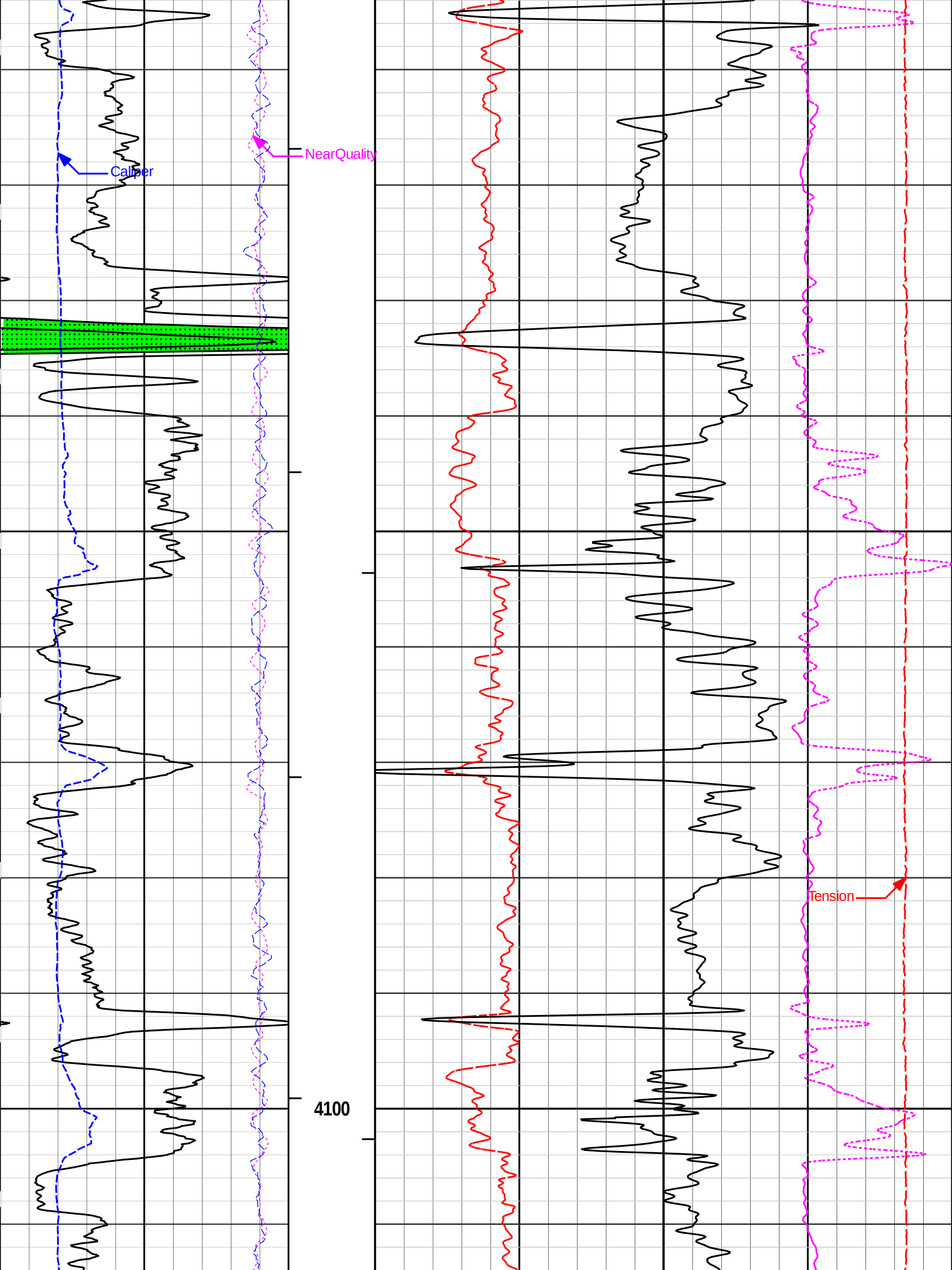
Plot Time: 25-Apr-14 12:40:04
Plot Range: 3748 ft to 4759.75 ft
Data: BOYD 1-3\Well Based\DAQ-0001-004\
Plot File: \\LOCAL\BOYD 1-3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\NEVRIBULKD_10_EVR

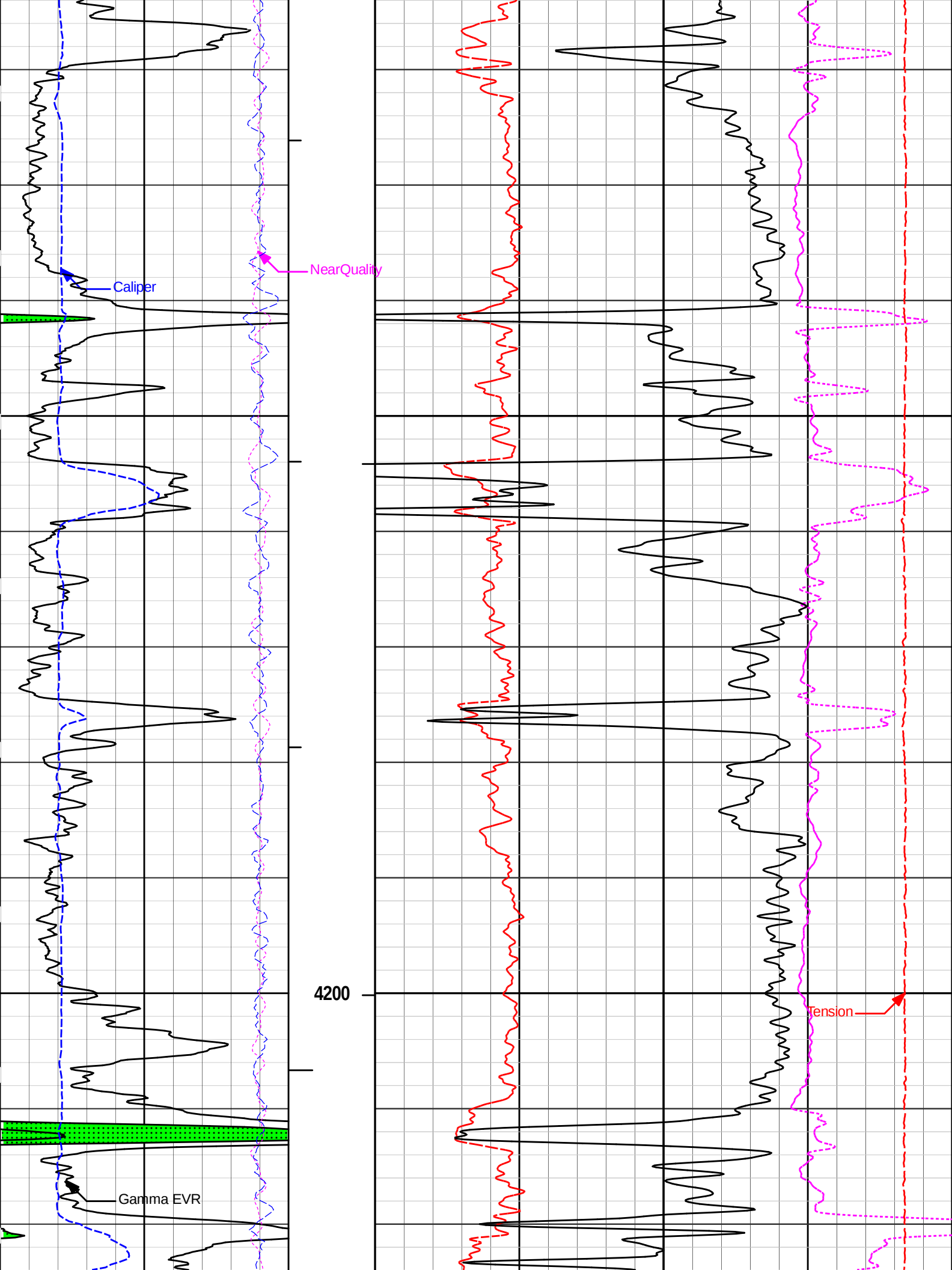
5 INCH MAIN LOG

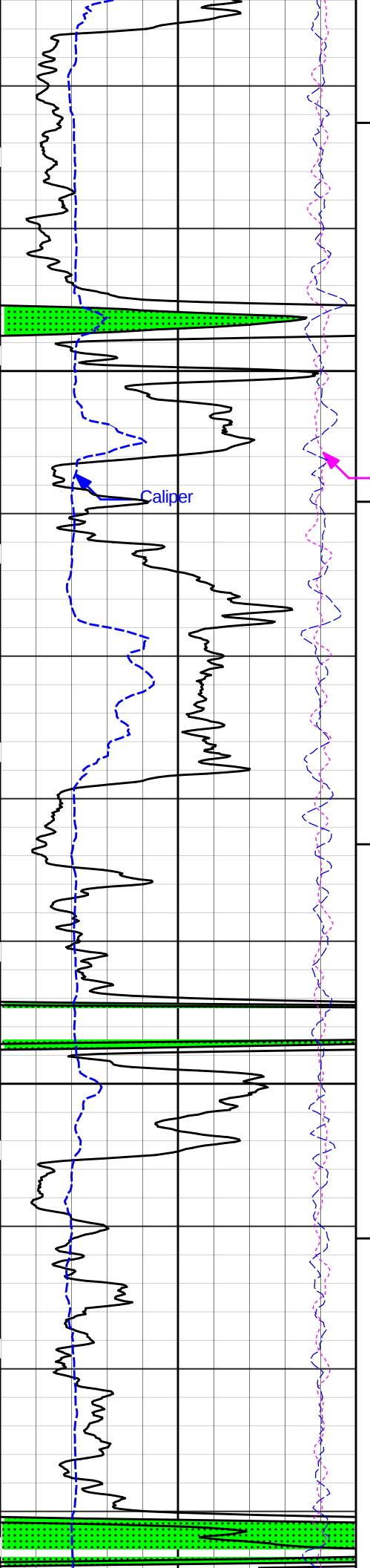




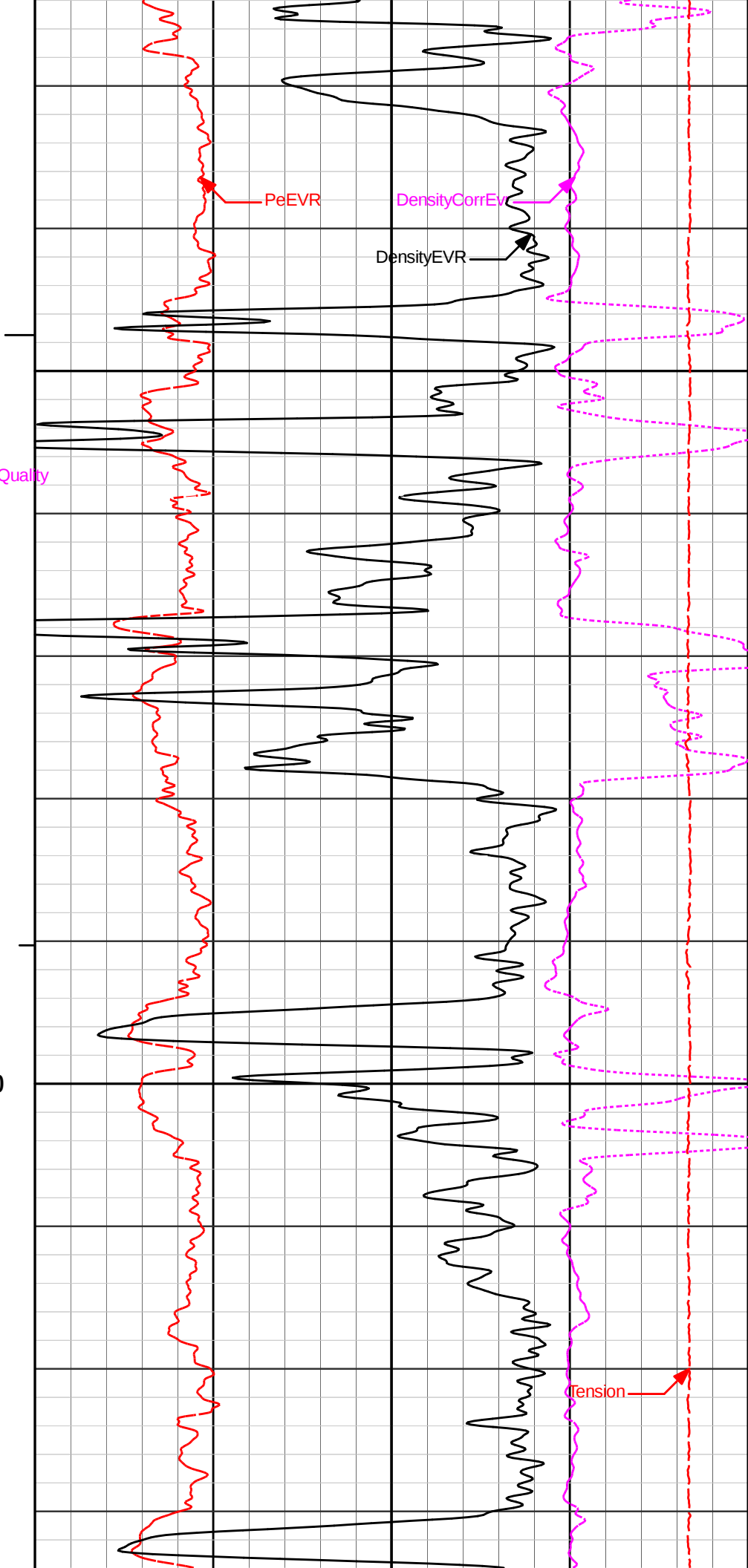


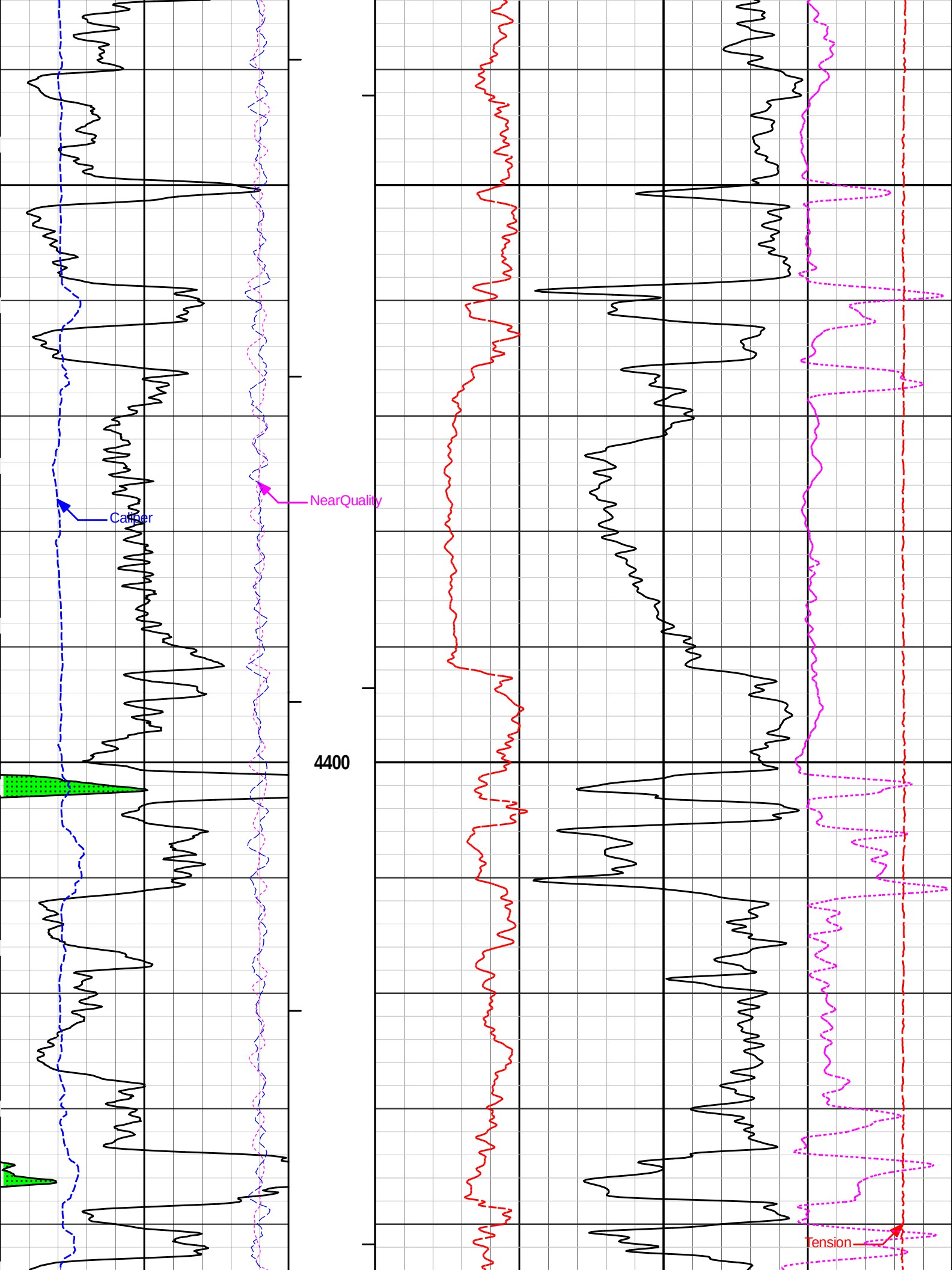


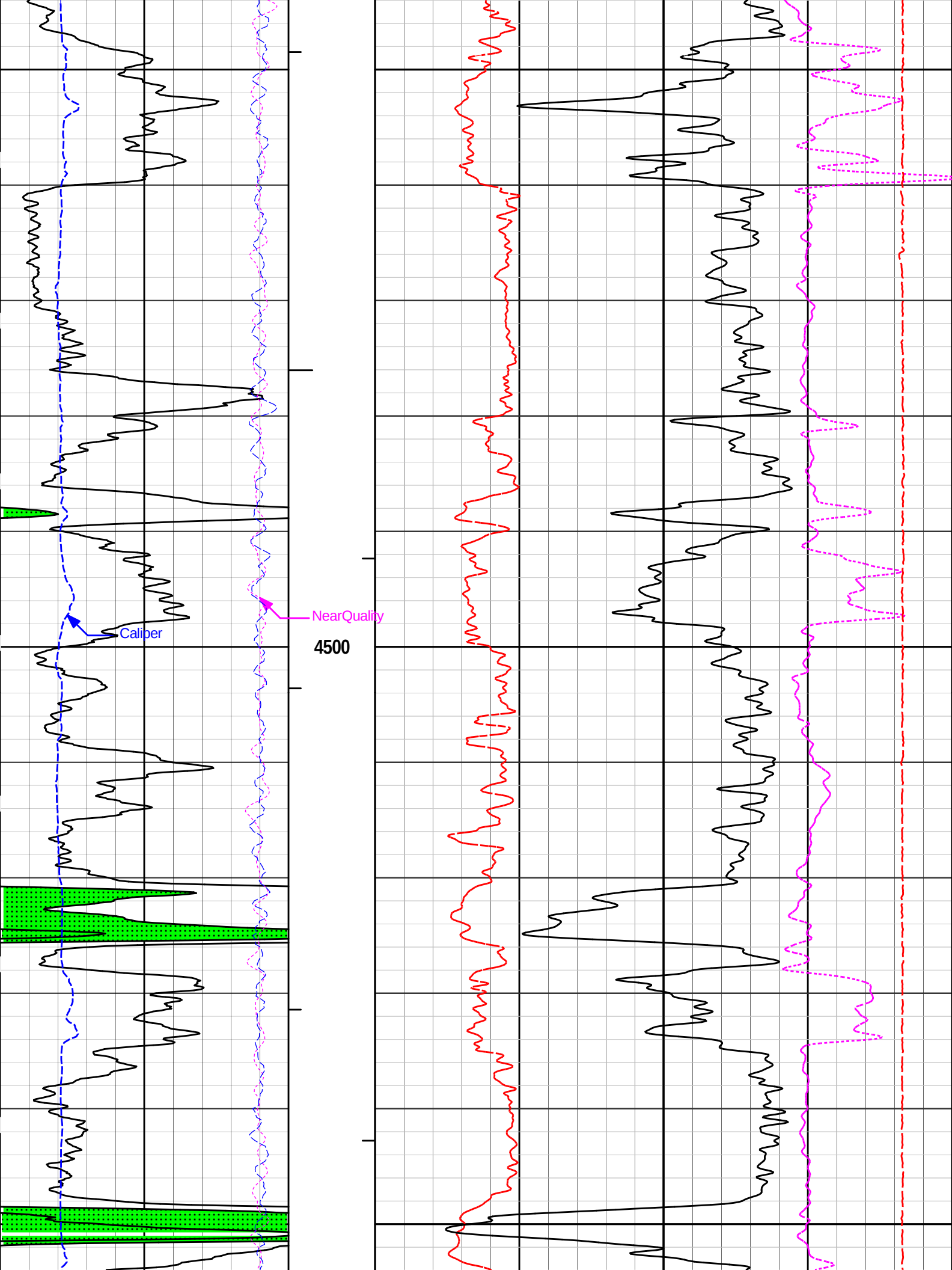


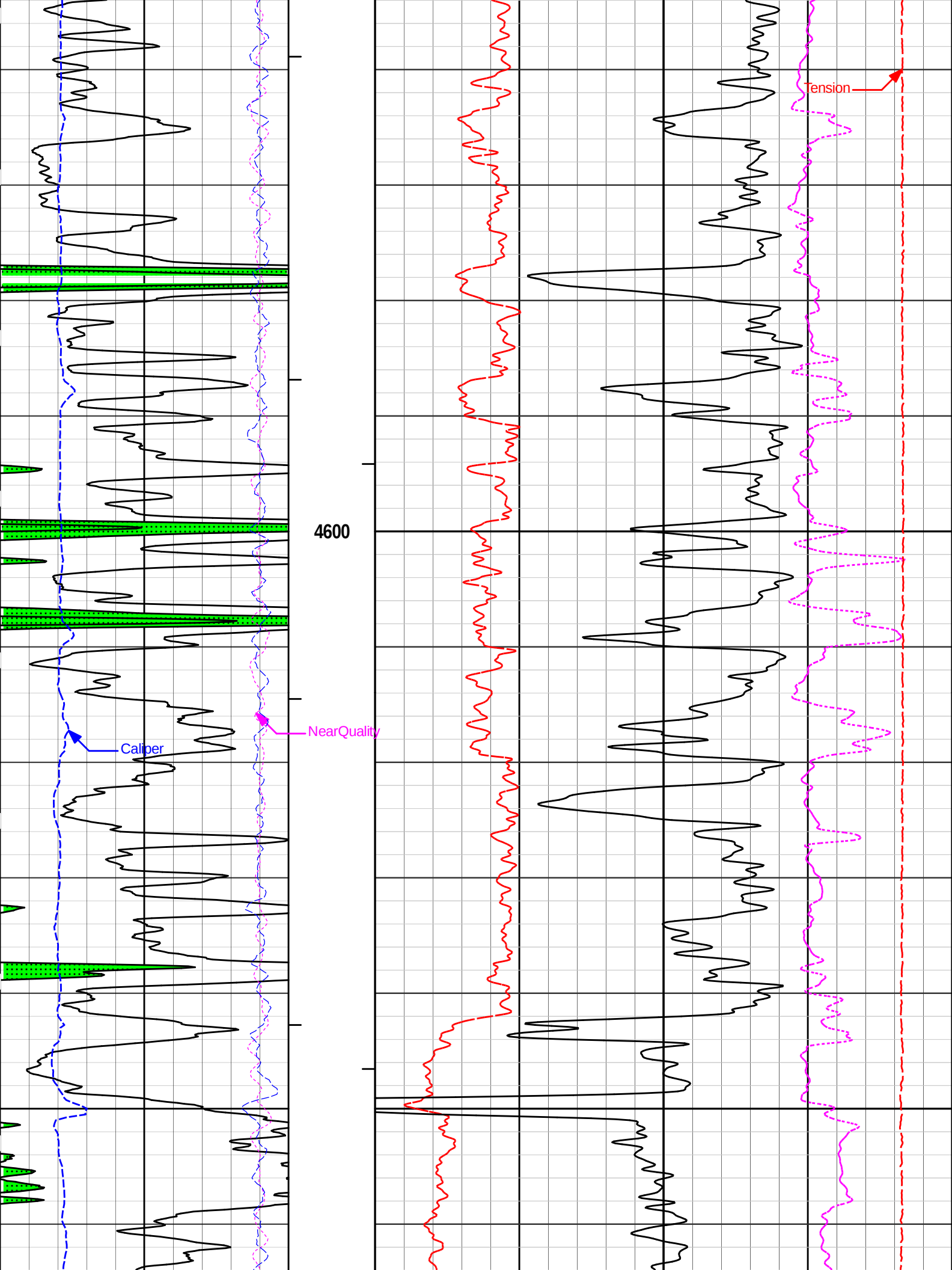


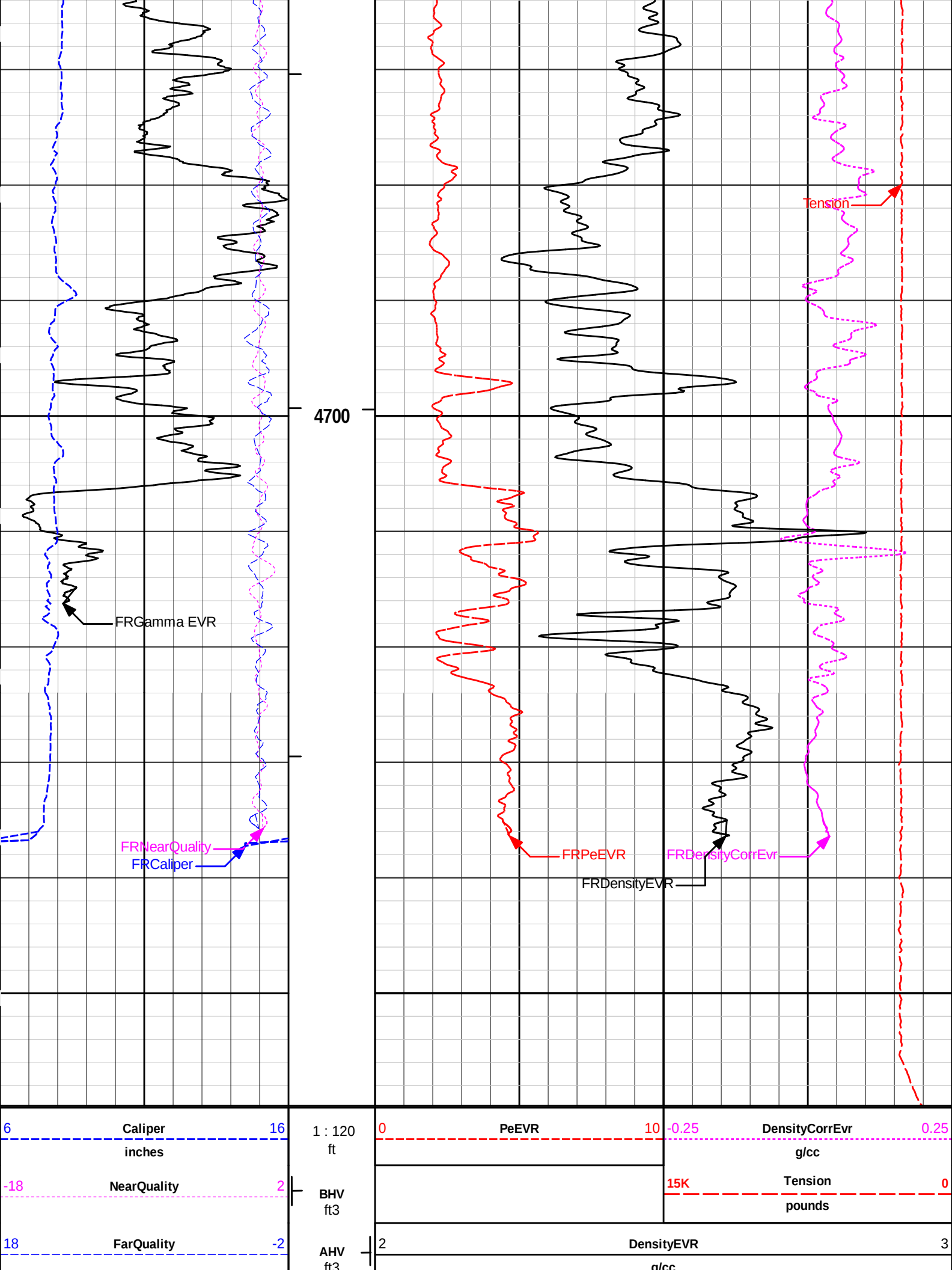
4300











0	Gamma EVR	150
api		
SHALE		

HALLIBURTON

Plot Time: 25-Apr-14 12:40:07
Plot Range: 3748 ft to 4759.75 ft
Data: BOYD 1-3\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-IBOYD 1-3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\EVR\BULKD_10_EVR

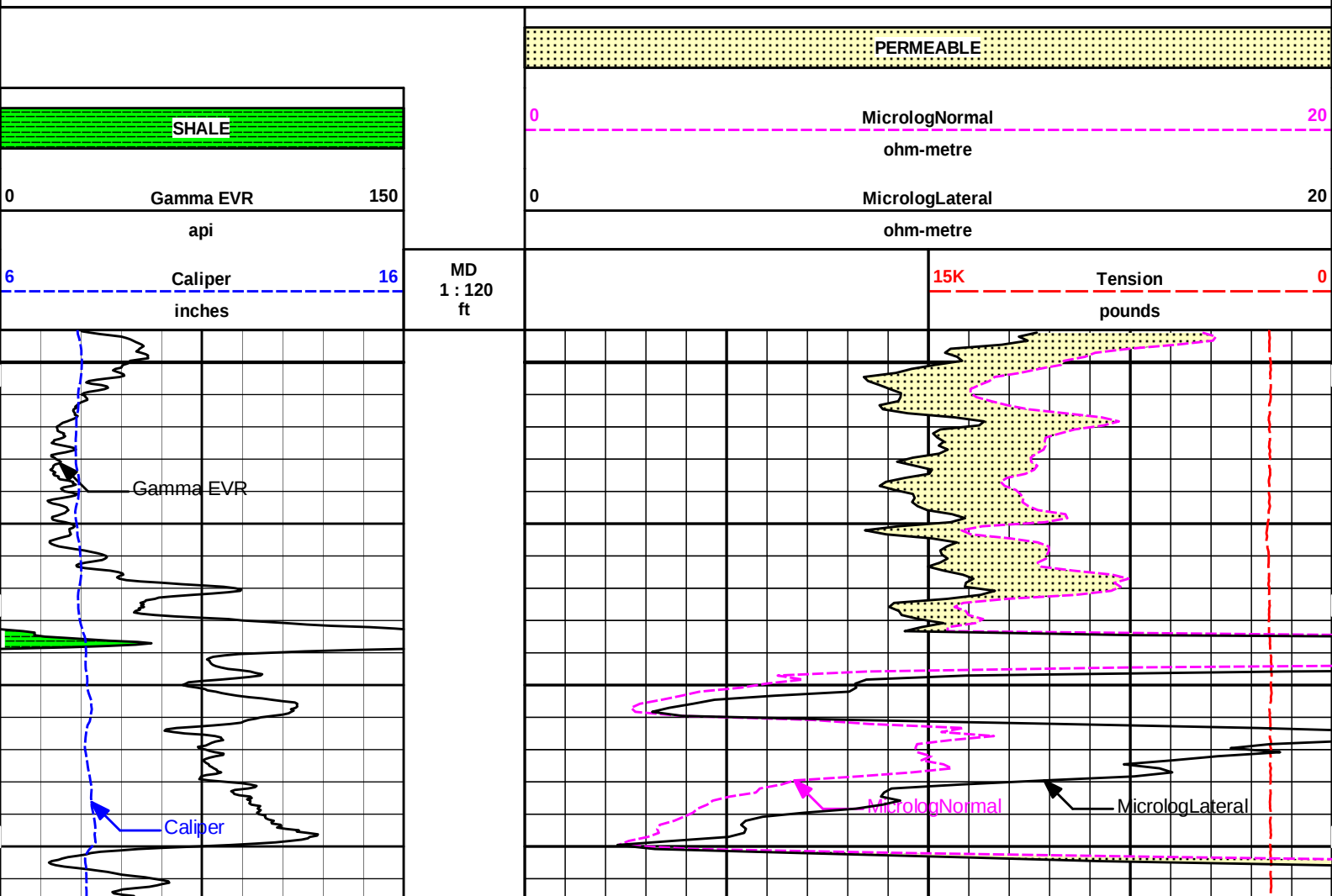
5 INCH MAIN LOG

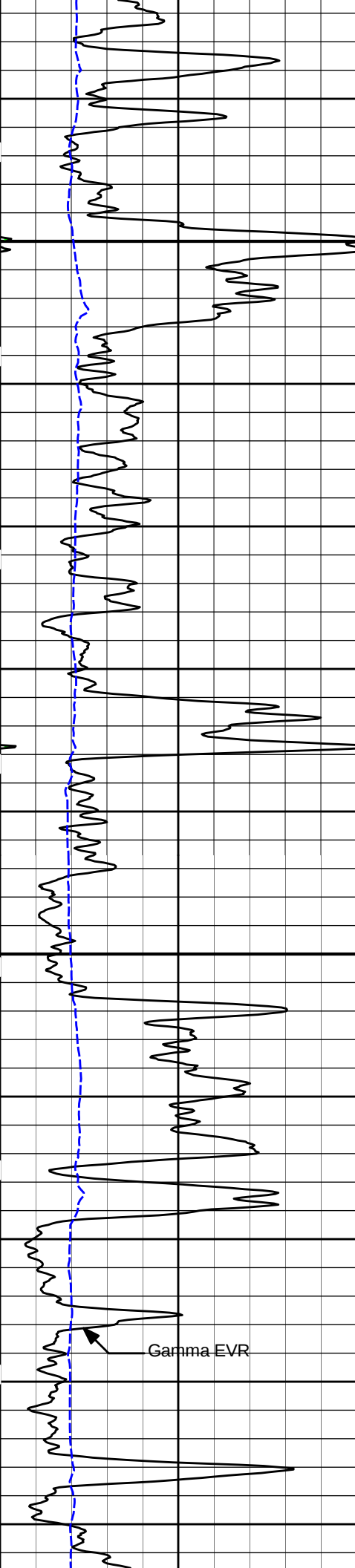
HALLIBURTON

Plot Time: 25-Apr-14 12:40:07
Plot Range: 3748 ft to 4759.75 ft
Data: BOYD 1-3\Well Based\DAQ-0001-004\
Plot File: \\-LOCAL-\\BOYD 1-3\\0001 SP-GTET-DSNT-SDLT-ACRT-BM\\EVR\\Microlog_IQ_10_main.lib

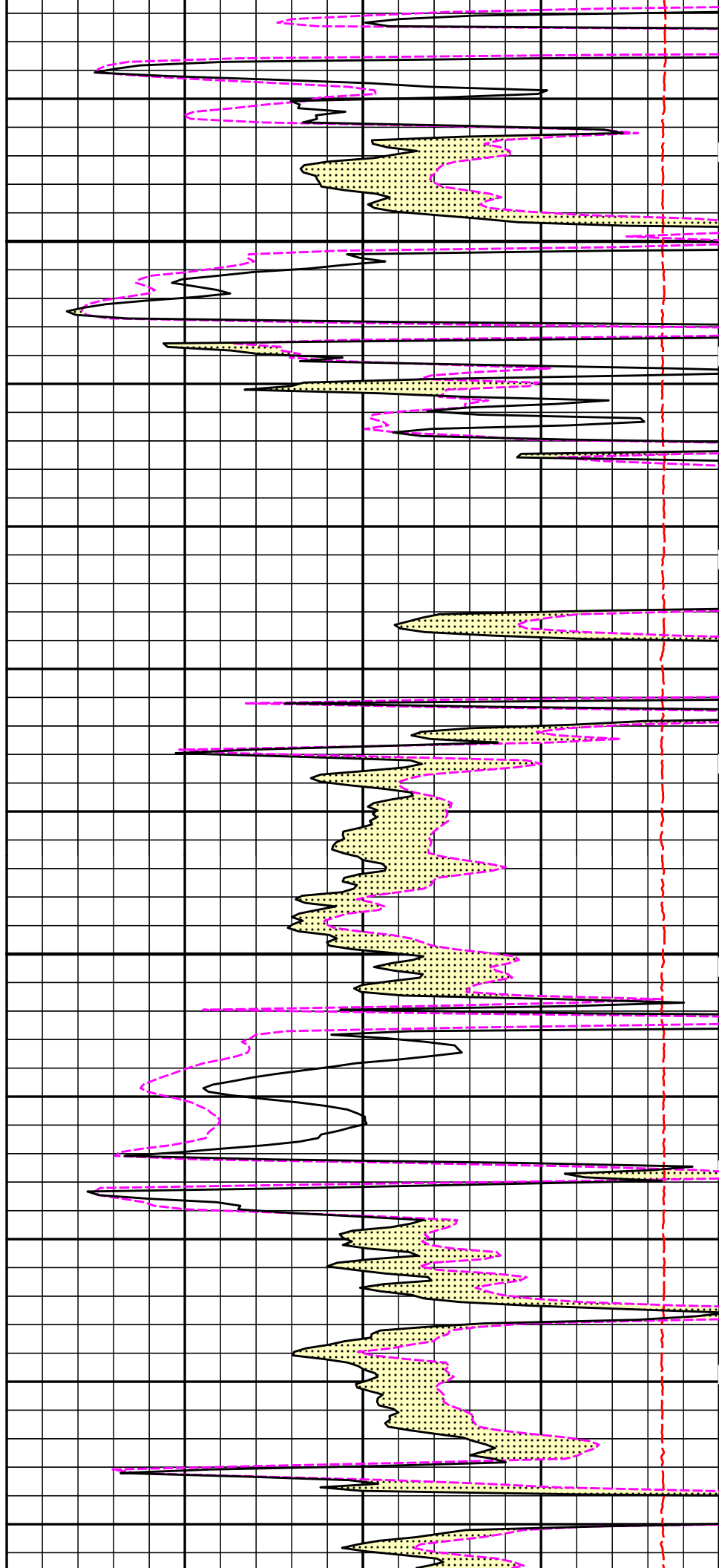
10 INCH MAIN LOG

MAIN LOG 10" PER 100'





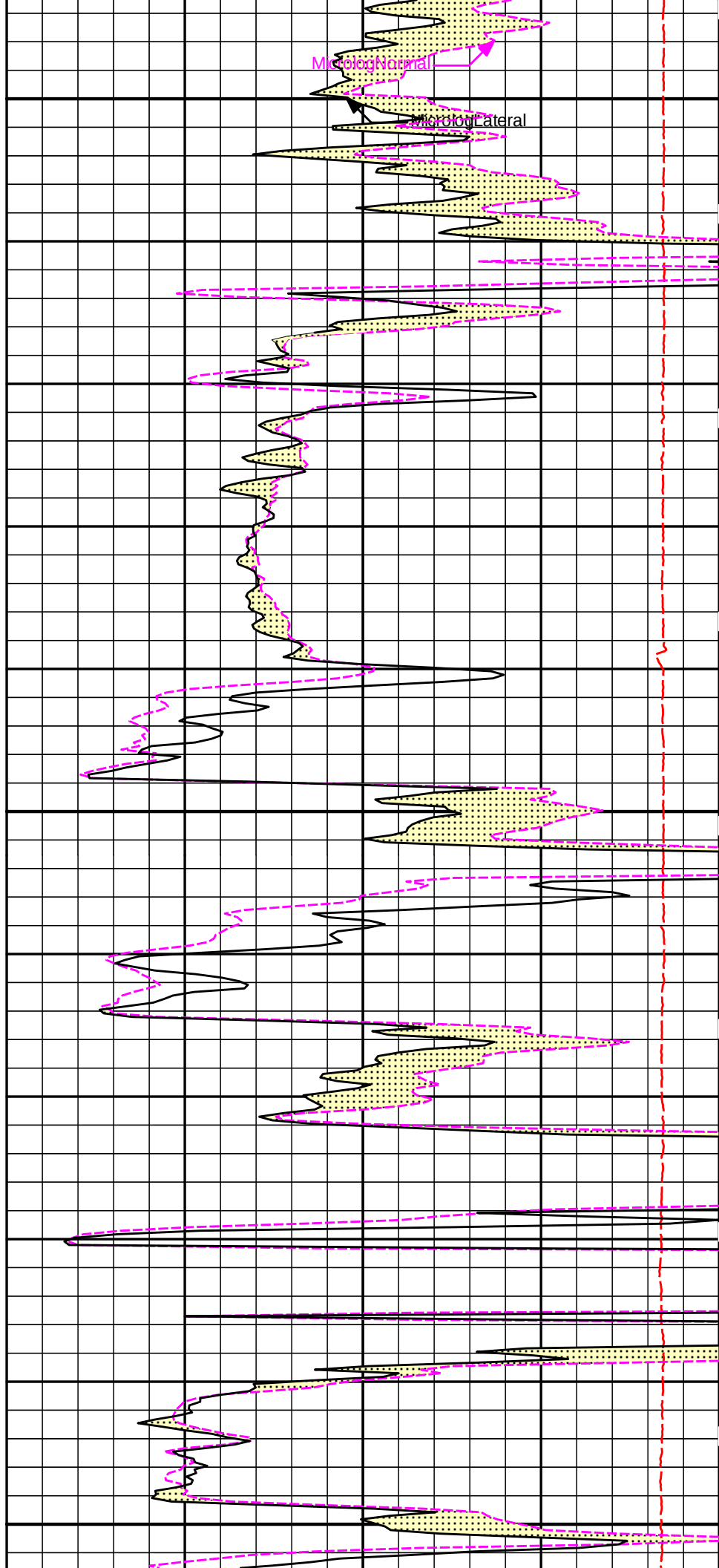
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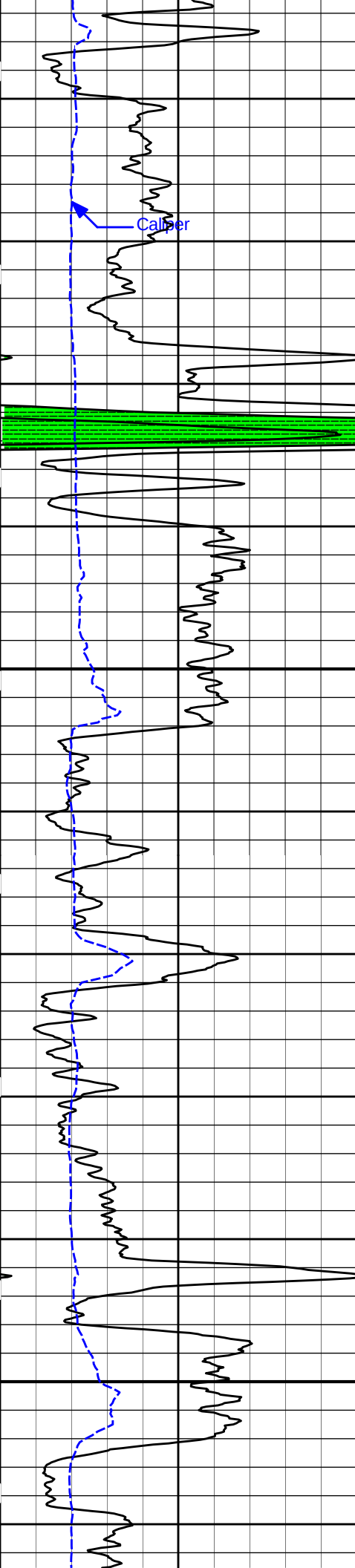




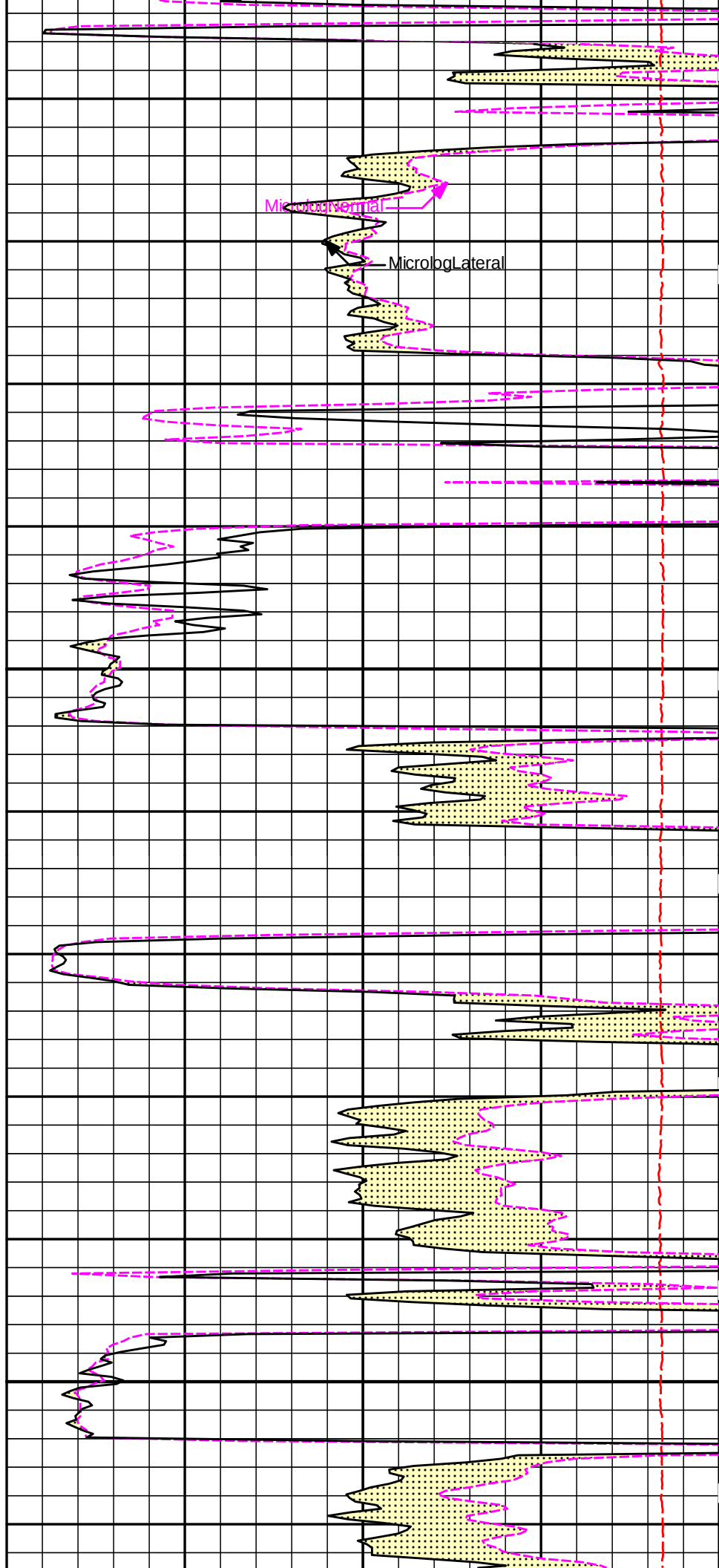
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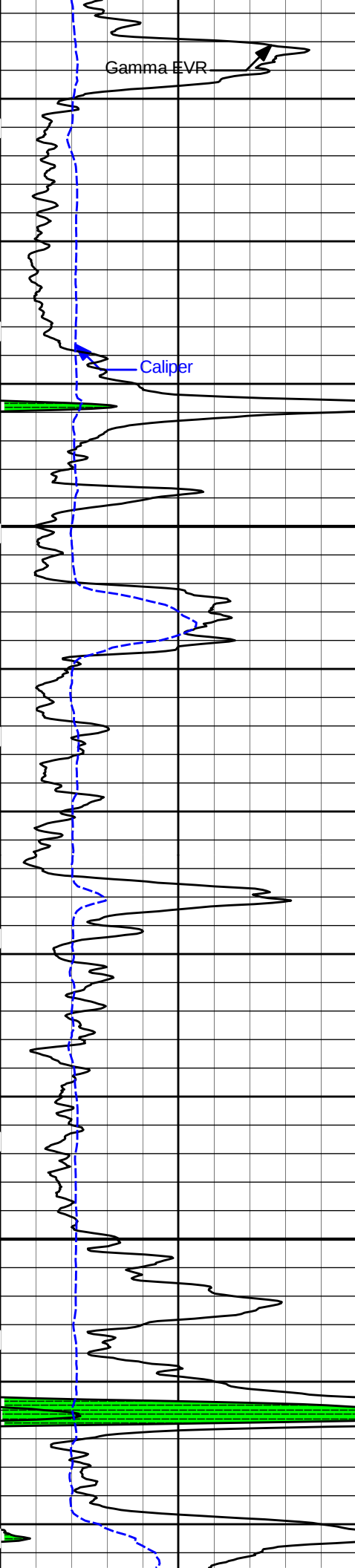
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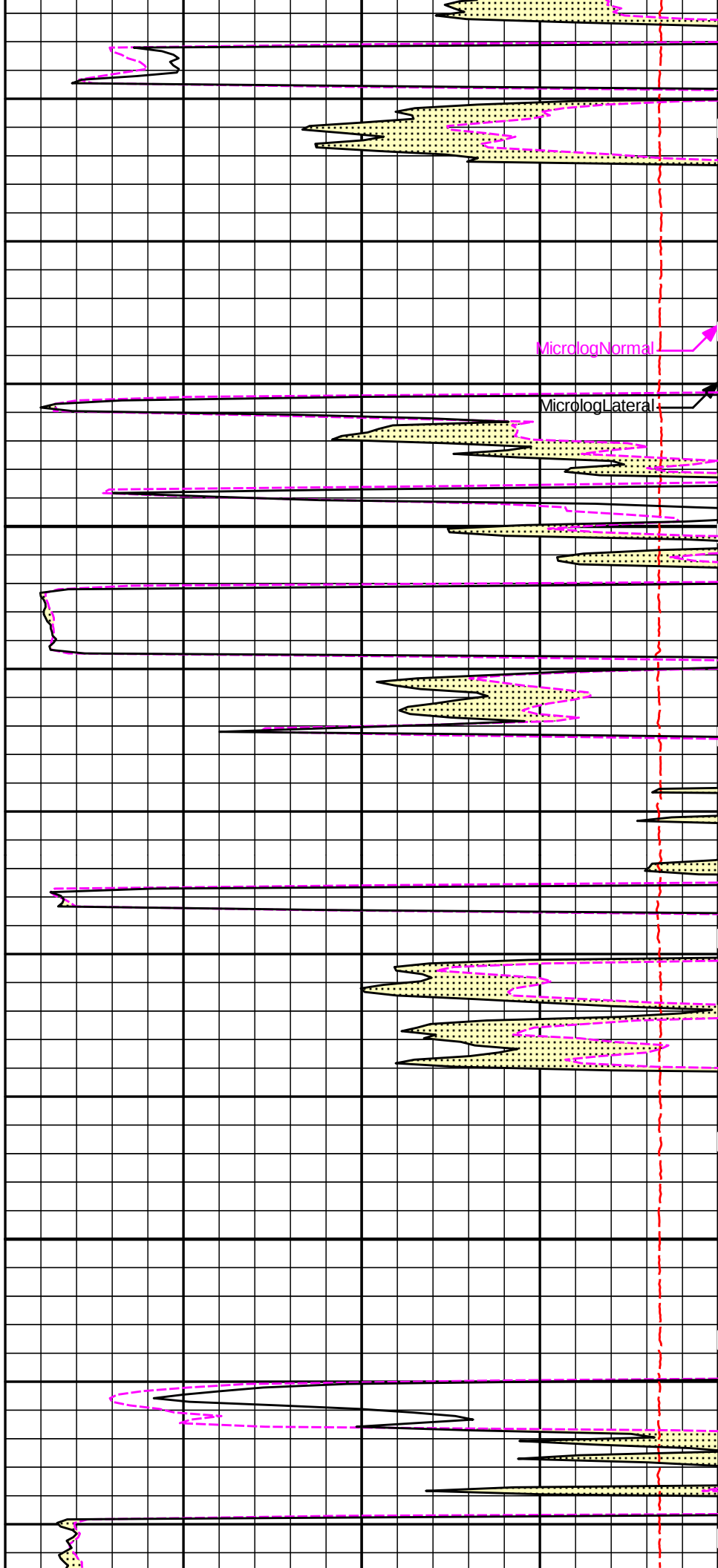


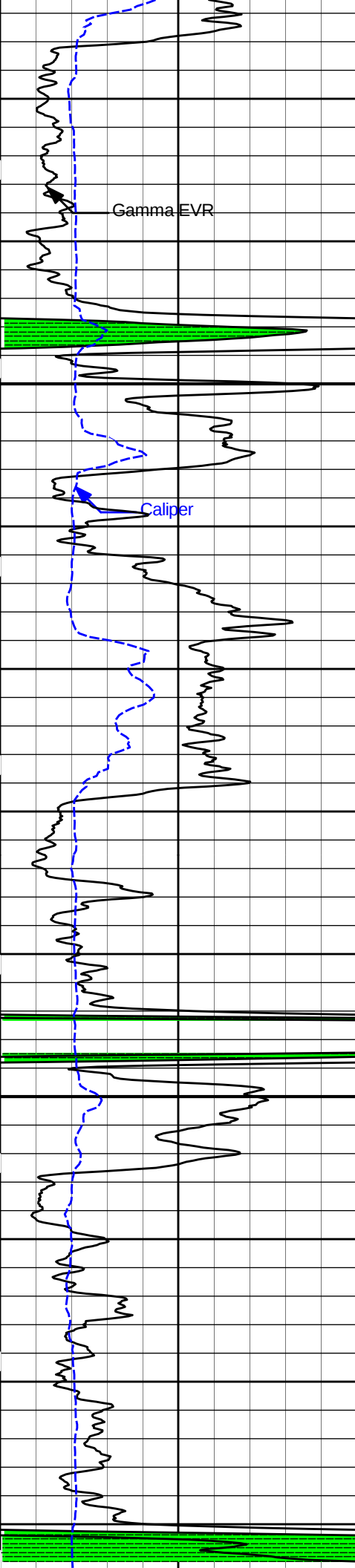
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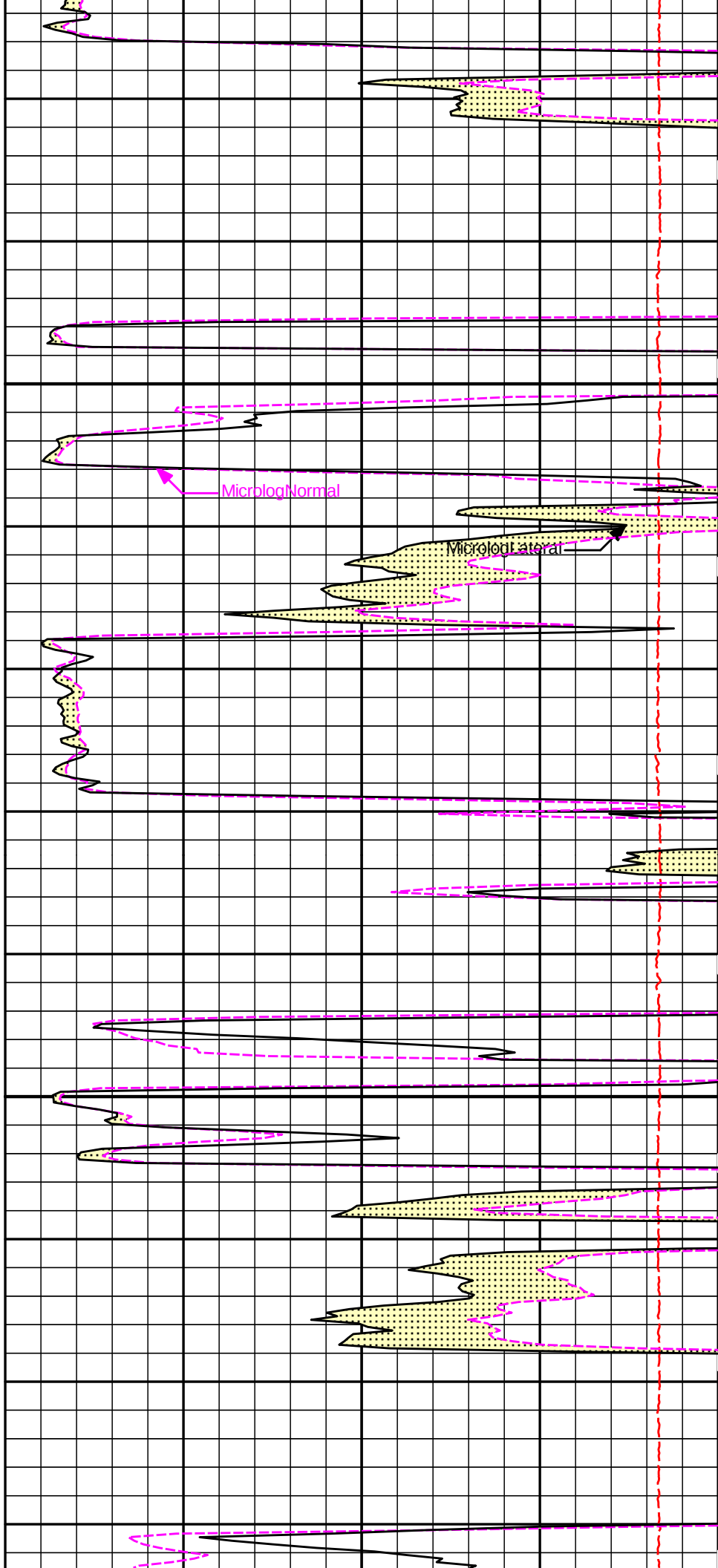


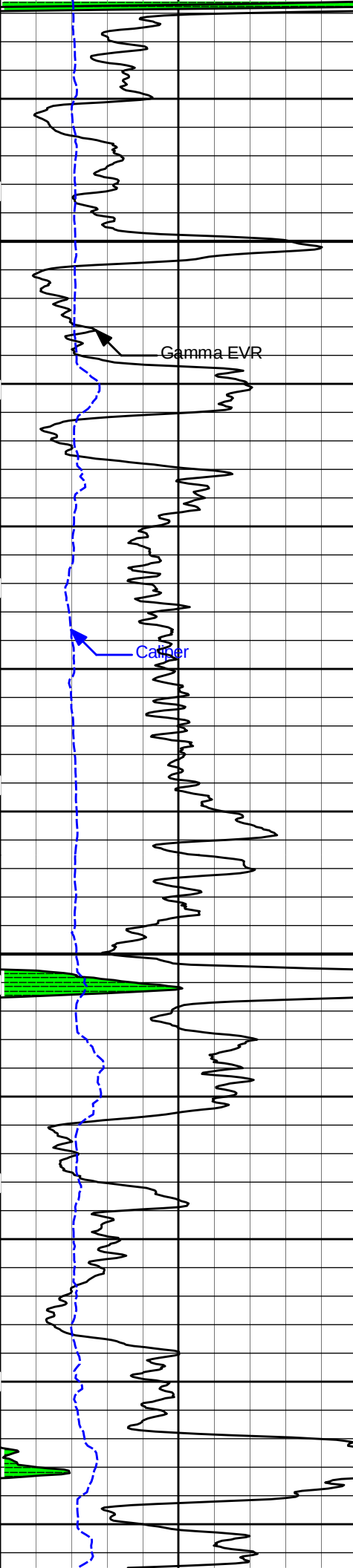
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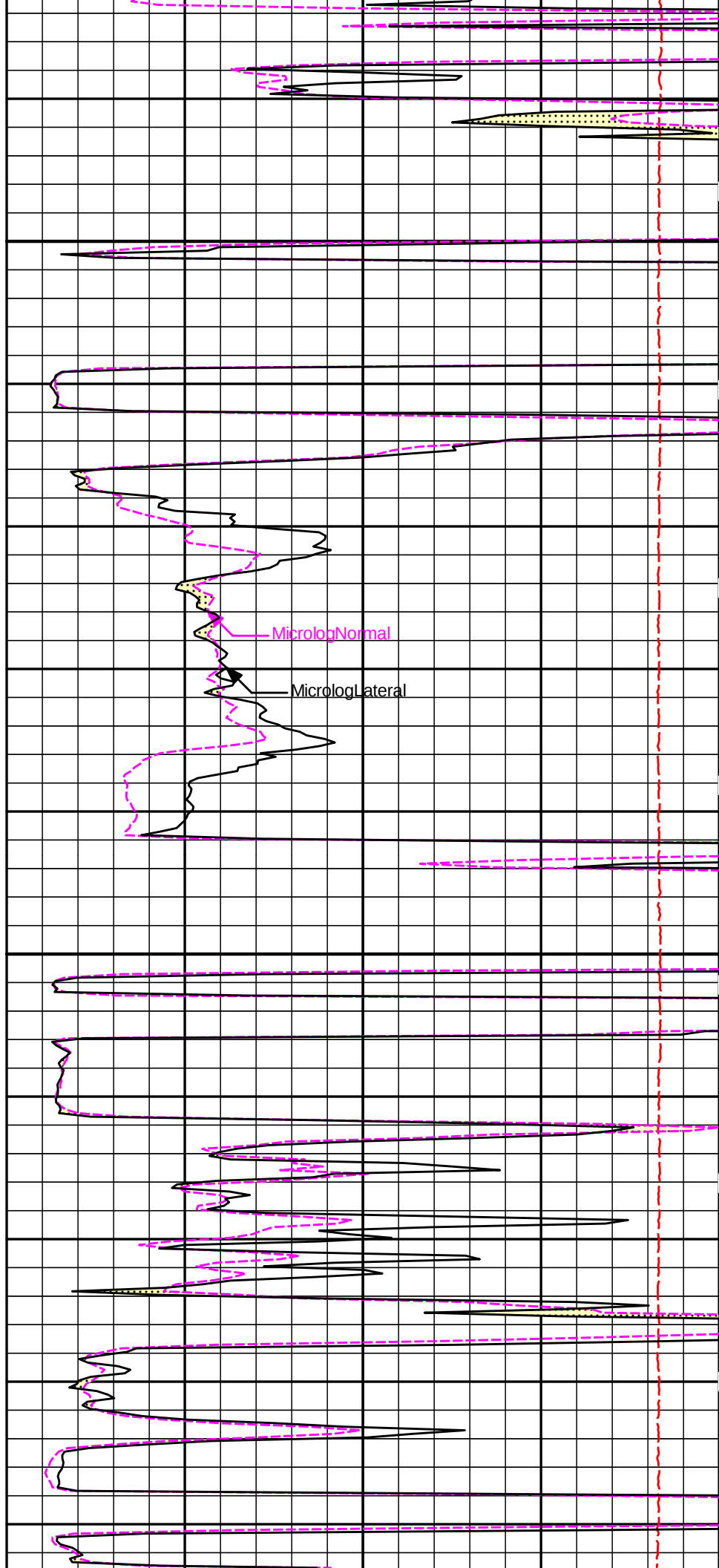


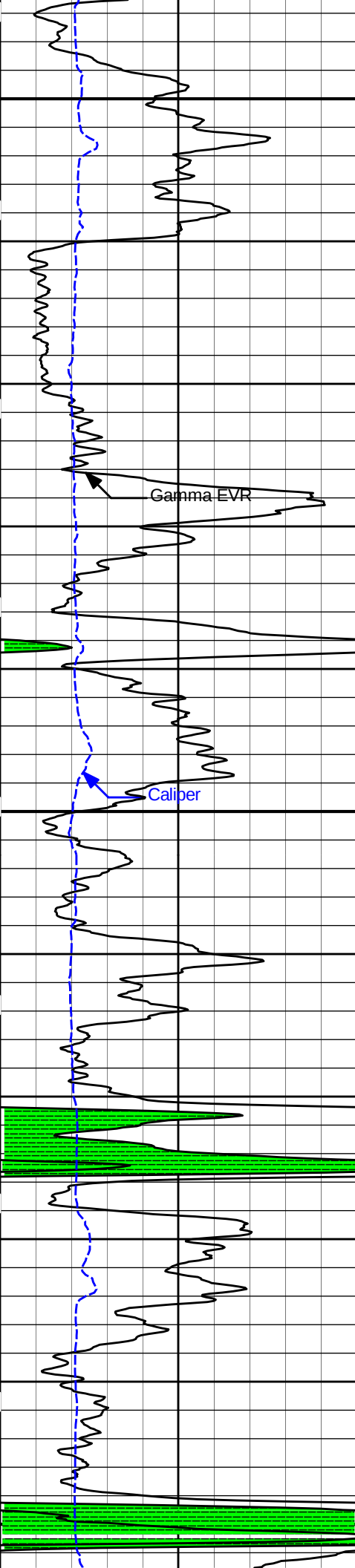
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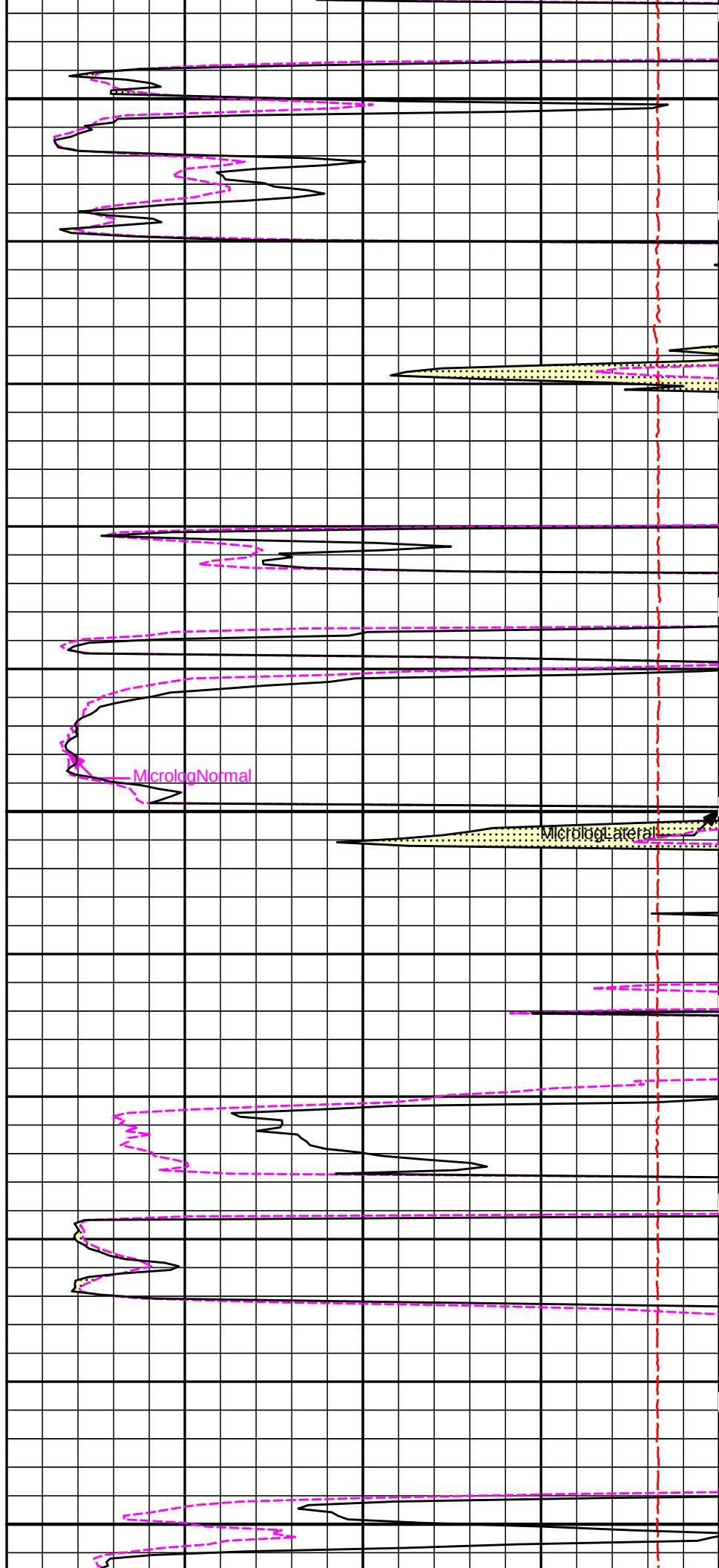


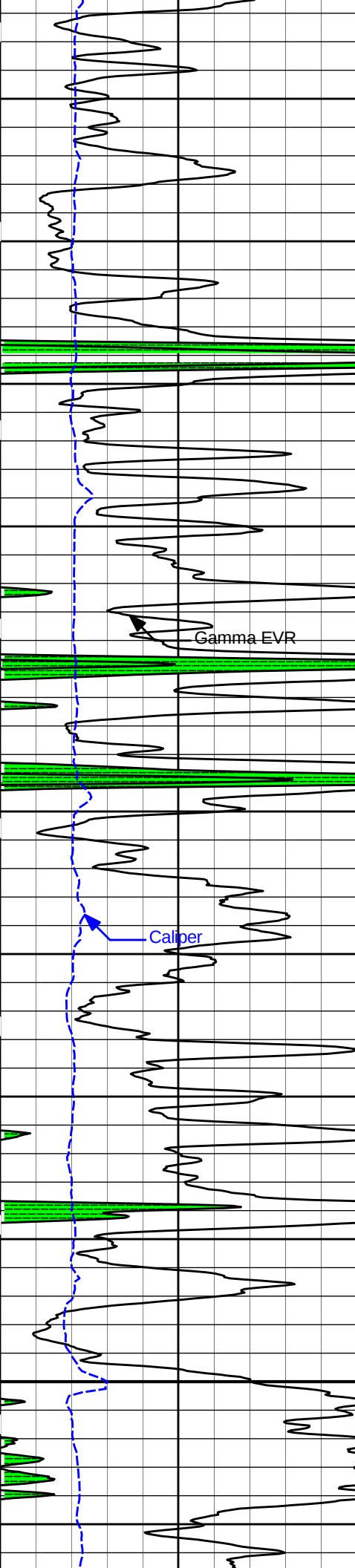
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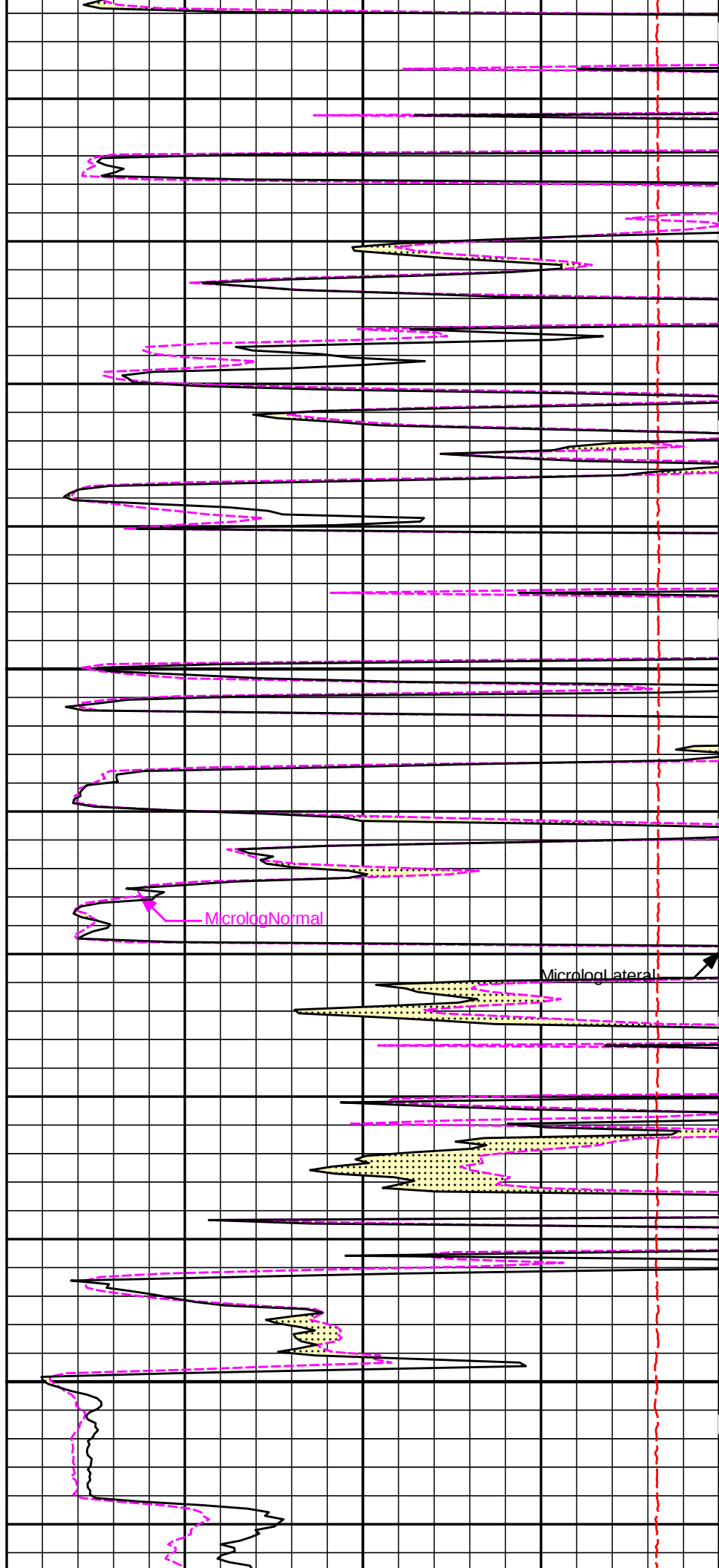


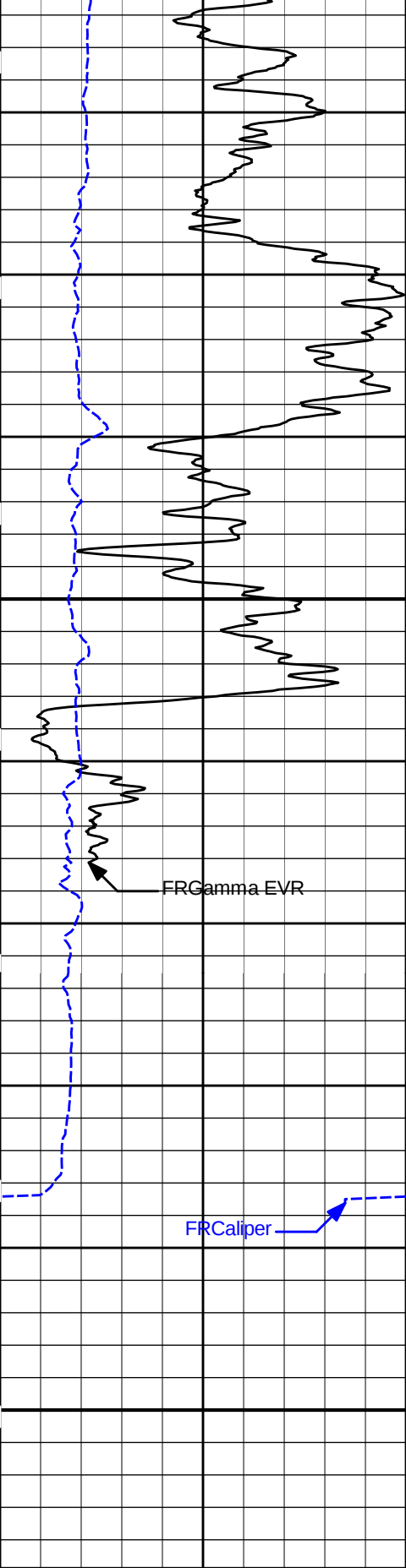
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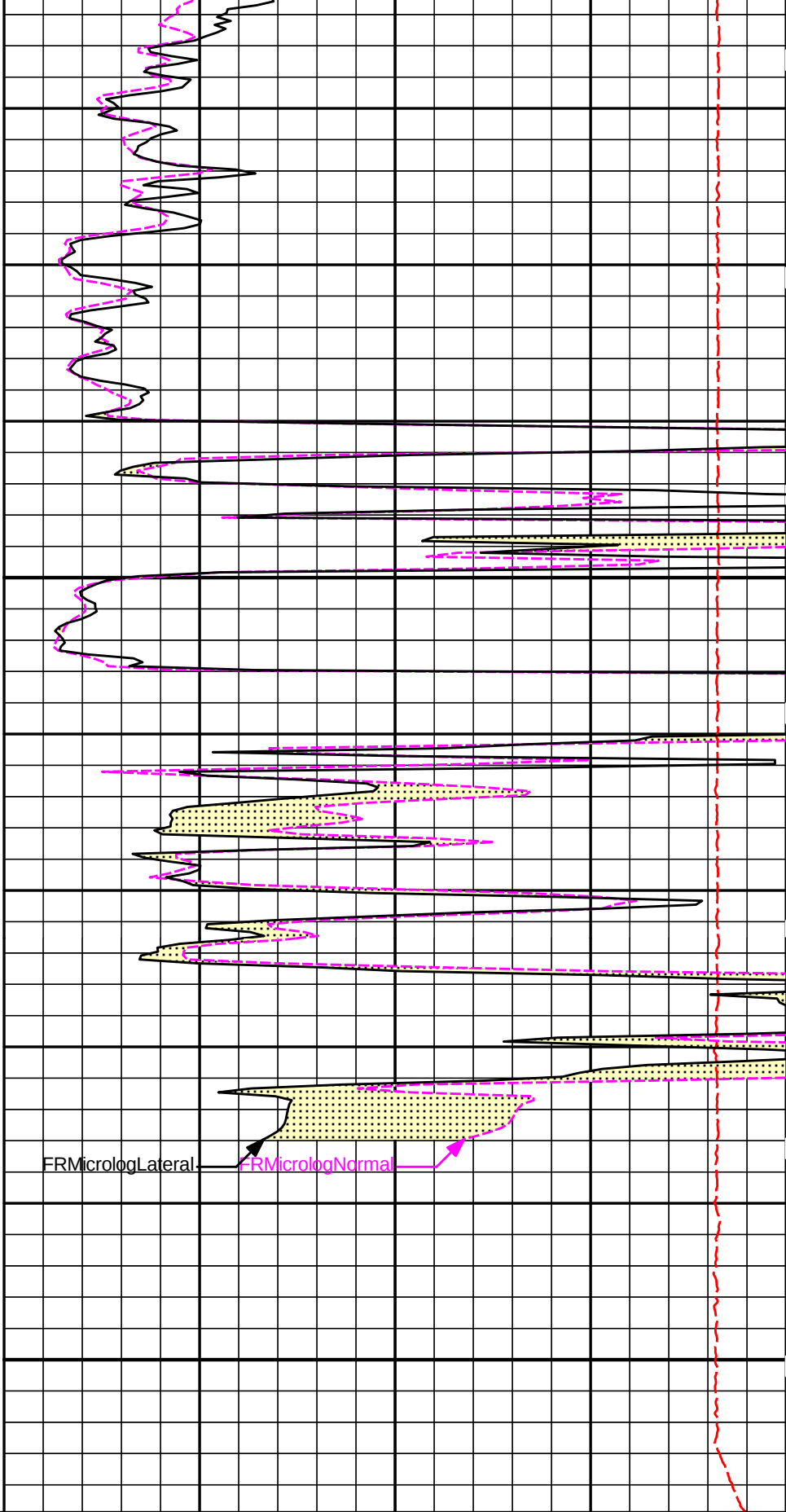


4600





4700



6	Caliper	16
	inches	
0	Gamma EVR	150
	api	
	SHALE	

MD
1 : 120
ft

	15K	Tension	0
		pounds	
0	MicrologLateral		20
	ohm-metre		
0	MicrologNormal		20

HALLIBURTON

Plot Time: 25-Apr-14 12:40:09

Plot Range: 3748 ft to 4759.75 ft

Data: BOYD 1-3\Well Based\DAQ-0001-004\

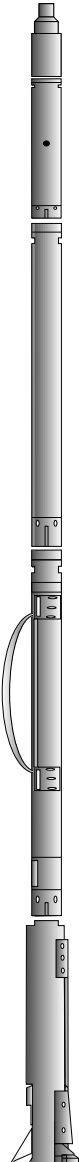
Plot File: \\LOCAL-BOYD 1-3\0001 SP-GTET-DSNT-SDLT-ACRT-BNIEVR\Microlog_IQ_10_main_lib

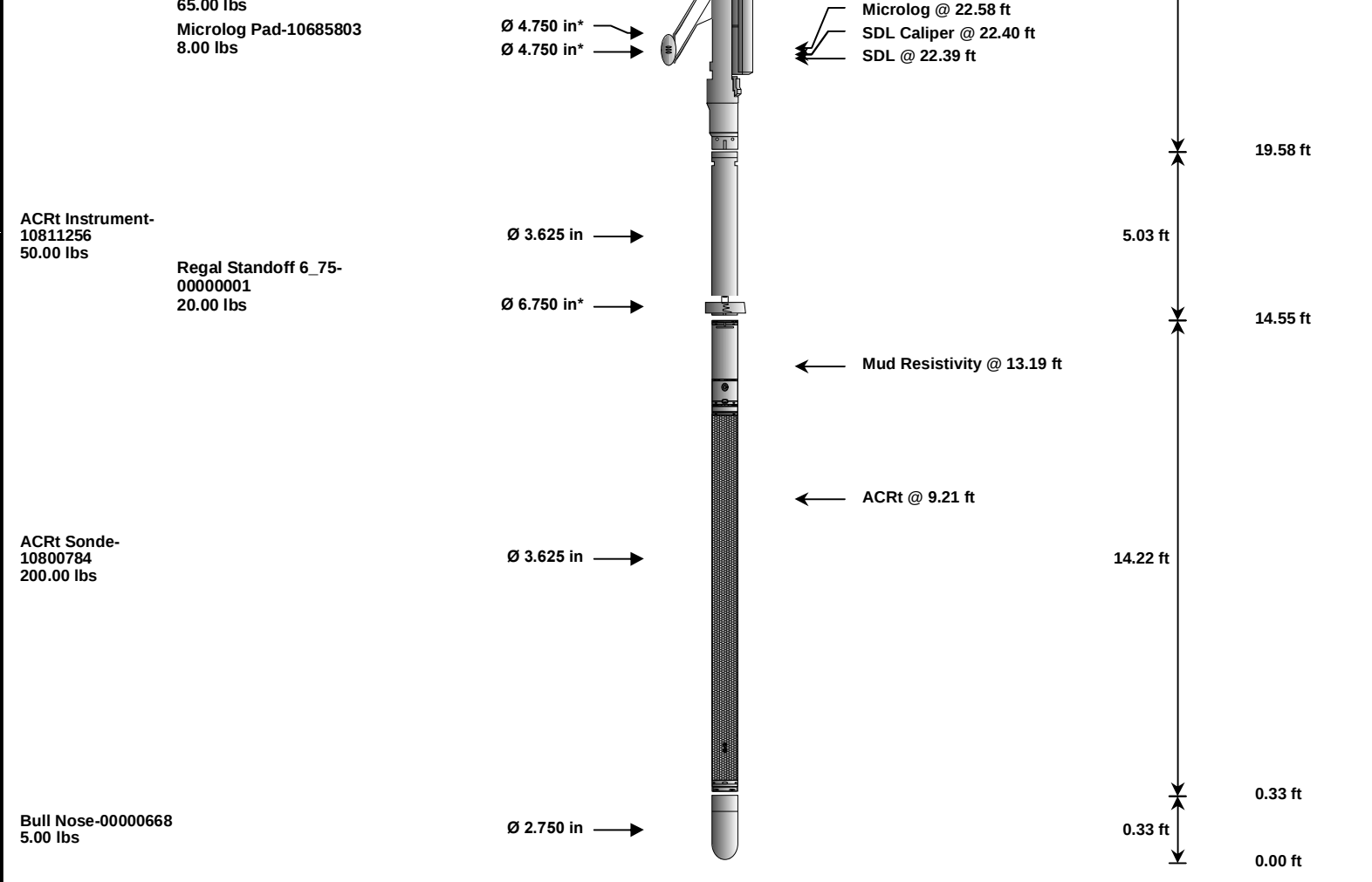
10 INCH MAIN LOG

MAIN LOG 10" PER 100'

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head- 12345678 30.00 lbs		Ø 3.625 in →			1.92 ft	54.26 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in →		← SP @ 50.56 ft	3.74 ft	52.34 ft
GTET-10811258 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.54 ft	8.52 ft	48.60 ft
DSNT-10755066 174.00 lbs	DSN Decentralizer- 10735145 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 33.15 ft ← DSN Near @ 32.40 ft	9.69 ft	40.08 ft
SDLT-10685803 360.00 lbs	SDLT Pad-10714945	Ø 4.500 in →			10.81 ft	30.40 ft



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head		12345678	30.00	1.92	52.34	300.00
SP	SP Sub		12345678	60.00	3.74	48.60	300.00
GTET	Gamma Telemetry Tool		10811258	165.00	8.52	40.08	60.00
DSNT	Dual Spaced Neutron		10755066	174.00	9.69	30.40	60.00
DCNT	DSN Decentralizer		10735145	6.60	5.13	* 33.73	300.00
SDLT	Spectral Density Tool		10685803	360.00	10.81	19.58	60.00
SDLP	Density Insite Pad		10714945	65.00	2.55	* 21.79	60.00
MICP	Microlog Pad		10685803	8.00	1.00	* 22.08	60.00
ACRt	Array Compensated True Resistivity Instrument Section		10811256	50.00	5.03	14.55	120.00
RSOF	Regal Standoff 6.75in		00000001	20.00	0.52	* 14.71	300.00
ACRt	Array Compensated True Resistivity Sonde Section		10800784	200.00	14.22	0.33	120.00
BLNS	Bull Nose		00000668	5.00	0.33	0.00	300.00
Total				1,143.60	54.26		

* Not included in Total Length and Length Accumulation.

Data: BOYD 1-3\0001 SP-GTET-DSNT-SDLT-ACRT-BN\IDLE Date: 25-Apr-14 08:10:20

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 10811258	Reference Calibration Date:	25-Apr-14 08:20:22
Engineer:	THOMAS K HYDE	Calibration Date:	25-Apr-14 08:23:37
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB-185
Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Measurement	Measured	Calibrated	Units
Background	44.8	44.7	api
Background + Calibrator	277.2	276.7	api
Calibrator	232.4	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10811258	Reference Calibration Date:	25-Apr-14 08:23:37
Engineer:	THOMAS K HYDE	Calibration Date:	25-Apr-14 08:26:59
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Field Verification	Shop	Field	Units
Background	44.7	43.9	api
Background + Calibrator	276.7	279.3	api
Calibrator	232.0	235.4	api

Shop	Field	Difference	Tolerance
232.0	235.4	-3.4	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	DSNT - 10755066	Reference Calibration Date:	14-Apr-14 13:53:02
Engineer:	J. BOLLLOM	Calibration Date:	14-Apr-14 14:08:27
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Logging Source S/N: DSN-436

Tank Serial Number: LIBERAL

Reference value assigned to Tank: 51.680

Snow Block S/N: 668

Calibration Tank Water Temperature: 65 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.949	0.948	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)				
Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2113	0.2110	0.0003	+/- 0.0020
Calibrated Ratio:	9.74	9.73	0.011	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0629	0.02000 - 0.09000

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name:
DSNT - 10755066

Reference Calibration Date:
14-Apr-14 14:08:27

Engineer:
THOMAS K HYDE

Calibration Date:
25-Apr-14 08:30:18

Software Version:
WL INSITE R4.2.0 (Build 2)

Calibration Version:
1

Logging Source S/N: DSN-436

Snow Block S/N: 668

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change

Snow-Block Porosity (decp):
0.0629
0.0577
-0.0052
+/- 0.0150

PASS/FAIL SUMMARY

Block Change Check:
Passed

Snow Block Stat Check:
Passed

Temperature Check:
Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name:
SDLT - 10685803

Reference Calibration Date:
14-Apr-14 11:26:43

Engineer:
J. BOLLUM

Calibration Date:
14-Apr-14 11:31:00

Software Version:
WL INSITE R4.2.0 (Build 2)

Calibration Version:
1

Host Tool Name:
DSNT - 10755066

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-4362.95	-4420.65	-7000.00 - -1000.00
Pad Gain	0.0003849	0.0003863	0.000200 - 0.000600
Arm Offset	-3135.46	-3304.43	-5000.00 - 3000.00
Arm Gain	0.0005085	0.0005300	0.000300 - 0.000700
Arm Power	-0.000004496	-0.000005774	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	2.01	2.00	-0.01	+/- 0.20
Medium Ring (in)	3.76	3.75	-0.01	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.53	6.50	-0.03	+/- 0.20
Medium Ring (in)	8.24	8.25	0.01	+/- 0.20
Large Ring (in)	15.00	15.00	0.00	+/- 0.20

PASS/FAIL SUMMARY

Calibration-Coefficients Range Check:
Passed

Ring-Measurement Check:
Passed

PASS/FAIL SUMMARY

Calibration-Coefficients Range Check:
Passed

SDLT CALIPER FIELD CALIBRATION

Tool Name:
SDLT - 10685803

Reference Calibration Date:
14-Apr-14 11:31:00

Engineer:
THOMAS K HYDE

Calibration Date:
25-Apr-14 08:32:19

Software Version:
WL INSITE R4.2.0 (Build 2)

Calibration Version:
1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.73	-0.02	+/- 0.10
Ring Diameter	8.25	8.35	0.10	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

SPECTRAL DENSITY SHOP CALIBRATION			
Tool Name:	SDLT Pad - 10714945	Reference Calibration Date:	19-Mar-14 09:26:25
Engineer:	THOMAS K HYDE	Calibration Date:	19-Mar-14 09:44:49
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Logging Source S/N: 5073 GW		
Aluminum Block S/N: LIBERAL	Density: 2.598g/cc	Pe: 3.170
Magnesium Block S/N: LIBERAL	Density: 1.684g/cc	Pe: 2.598

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0250	1.0159	0.90 - 1.10
Near Dens Gain	1.0029	1.0031	0.90 - 1.10
Near Peak Gain	1.0141	0.9933	0.90 - 1.10
Near Lith Gain	0.9906	0.9672	0.90 - 1.10
Far Bar Gain	1.0073	1.0056	0.90 - 1.10
Far Dens Gain	0.9954	0.9960	0.90 - 1.10
Far Peak Gain	0.9889	0.9924	0.90 - 1.10
Far Lith Gain	0.9706	0.9726	0.90 - 1.10
Near Bar Offset	0.0725	0.1547	NONE
Near Dens Offset	0.2447	0.2443	NONE
Near Peak Offset	0.1342	0.3085	NONE
Near Lith Offset	0.2942	0.4893	NONE
Far Bar Offset	0.1435	0.1572	NONE
Far Dens Offset	0.2251	0.2198	NONE
Far Peak Offset	0.2698	0.2399	NONE
Far Lith Offset	0.3742	0.3620	NONE
Near Bar Background	953.28	949.61	700 - 1450
Near Dens Background	316.71	314.65	230 - 480
Near Peak Background	138.04	137.76	100 - 210
Near Lith Background	168.70	167.57	125 - 260
Far Bar Background	484.96	489.13	450 - 900
Far Dens Background	189.91	190.41	175 - 345
Far Peak Background	74.41	74.49	70 - 140
Far Lith Background	78.83	77.89	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.683	1.684	0.001	+/- 0.015
Pe	2.560	2.557	-0.003	+/- 0.150

ALUMINUM				
Density (g/cc)	2.593	2.598	0.005	+/- 0.01500
Pe	3.155	3.126	-0.029	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0013	+/- 0.0110	0.0009	+/- 0.0140
Magnesium Block	-0.0012	+/- 0.0110	0.0011	+/- 0.0140
Aluminum Block	0.0006	+/- 0.0110	0.0009	+/- 0.0140
Resolution	9.87	6.00 - 11.50	9.15	6.00 - 11.50
Internal Verifier(B+D+P+L)	1570	1200 - 2700	832	800 - 1700

PASS/FAIL SUMMARY	
Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK			
Tool Name:	SDLT Pad - 10714945	Reference Calibration Date:	19-Mar-14 09:44:49
Engineer:	THOMAS K HYDE	Calibration Date:	25-Apr-14 08:36:16
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Pad Temperature: 71.7 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1569.604	1579.566	9.962	15.941
Far (B+D+P+L) cps	831.924	828.636	-3.288	15.877
Near Resolution	9.87	9.83	-0.040	0.50
Far Resolution	9.15	9.24	0.090	1.00

PASS/FAIL SUMMARY	
Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

MICRO LOG SHOP CALIBRATION			
Tool Name:	Microlog Pad - 10685803	Reference Calibration Date:	05-Mar-14 15:40:55
Engineer:	THOMAS K HYDE	Calibration Date:	19-Mar-14 08:32:41
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1
Host Tool Name:	DSNT - 10755066		

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.08	-0.07	-0.00	-0.00	ohmm

		Calibration Point #1	-0.01	0.00	0.00	0.00	ohmm
		Calibration Point #2	19.98	20.00	20.00	20.00	ohmm
		Internal Reference	19.92	19.94	20.00	20.01	ohmm
		Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
		Tool Zero	-1.73		0.52		V
		Calibration Point #1	17.60		1.96		V
		Calibration Point #2	5295.12		6871.20		V
		Internal Reference	5279.92		6873.34		V

MICRO LOG FIELD CHECK								
Tool Name:		Microlog Pad - 10685803			Reference Calibration Date:		19-Mar-14 08:32:41	
Engineer:		THOMAS K HYDE			Calibration Date:		25-Apr-14 08:37:15	
Software Version:		WL INSITE R4.2.0 (Build 2)			Calibration Version:		1	

	Measurement	Micro Log Normal		Micro Log Lateral		Units
		Shop	Field	Shop	Field	
	Tool Zero	-0.07	-0.07	-0.00	-0.00	ohmm
	Internal Reference	19.94	19.95	20.01	20.02	ohmm
	Summary					
	Signal	Shop	Field	Difference	Tolerance	
	Microlog Normal	19.94	19.95	-0.01	+/- 0.80	
	Microlog Lateral	20.01	20.02	-0.01	+/- 0.80	

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION								
Tool Name:		ACRt Sonde - 10800784			Reference Calibration Date:		19-Mar-14 11:38:30	
Engineer:		THOMAS K HYDE			Calibration Date:		19-Mar-14 11:46:10	
Software Version:		WL INSITE R4.2.0 (Build 2)			Calibration Version:		1	
Host Tool Name:		ACRt Instrument - 10811256						

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0309	1.05	0.95	1.0230	1.05	0.95	1.0090	1.05
A2 (50")	0.95	1.0448	1.05	0.95	1.0375	1.05	0.95	1.0253	1.05
A3 (29")	0.95	1.0143	1.05	0.95	1.0067	1.05	0.95	0.9946	1.05
A4 (17")	0.95	1.0172	1.05	0.95	1.0083	1.05	0.95	1.0003	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0099	1.05	0.95	1.0014	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9987	1.05	0.95	0.9903	1.05

SONDE OFFSET									
Subarray	R12KHz			R36KHz			R72KHz		
	(mmho/m)			(mmho/m)			(mmho/m)		
A1 (80")	0.282			-3.841			-5.287		
A2 (50")	-1.602			-3.836			-4.722		
A3 (29")	-16.009			-4.660			-3.606		
A4 (17")	-99.202			-32.925			-26.758		
A5 (10")	N/A			-99.062			-49.020		
A6 (6")	N/A			297.853			159.220		

TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION				
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Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.85	1.3	Mud Cell	0.95	1.00	1.05
36K	1.0	1.18	2.0				
72K	1.0	1.51	2.0				
PASS/FAIL SUMMARY							
GAIN RANGE CHK					PASS		
SONDE OFFSET CHK					PASS		
TOOL OK TO LOG							

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	235.4	-----	-3.4	+/- 9.00	api
DSNT-10755066						
Snow-Block Porosity	0.0629	0.0577	-----	0.0052	+/- 0.0150	decp
SDLT-10685803						
Pad Extension	3.75	3.73	-----	0.02	+/-0.10	in
Ring Diameter	8.25	8.35	-----	-0.10	+/-0.15	in
SDLT Pad-10714945						
Near(B+D+P+L)	1569.604	1579.566	-----	-9.962	+/-15.941	cps
Far(B+D+P+L)	831.924	828.636	-----	3.288	+/-15.877	cps
Microlog Pad-10685803						
MicroLog Normal	19.94	19.95	-----	-0.01	+/-0.80	ohmm
MicroLog Lateral	20.01	20.02	-----	-0.01	+/-0.80	ohmm
ACRt Sonde-10800784						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m

Data: BOYD 1-3I0001 SP-GTET-DSNT-SDLT-ACRT-BNIDLE	Date: 25-Apr-14 08:55:04
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HALLIBURTON						
PARAMETERS REPORT						

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP-----					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.300	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	4720.00	ft
	SHARED	BHT	Bottom Hole Temperature	200.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	

	SHARED	TEMM	Temperature Master Tool	NONE	
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
	Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
	Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
	Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
	Rwa / CrossPlot	BHSM	Borehole Size Source Tool	SDLT	
	GTET	GROK	Process Gamma Ray?	Yes	
	GTET	GRSO	Gamma Tool Standoff	0.000	in
	GTET	GEOK	Process Gamma Ray EVR?	Yes	
	GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
	GTET	BHSM	Borehole Size Source Tool	SDLT	
	DSNT	DNOK	Process DSN?	Yes	
	DSNT	DEOK	Process DSN EVR?	Yes	
	DSNT	NLIT	Neutron Lithology	Limestone	
	DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT	DNTP	Temperature Correction Type	None	
	DSNT	DPRS	DSN Pressure Correction Type	None	
	DSNT	SHCO	View More Correction Options	No	
	DSNT	UTVD	Use TVD for Gradient Corrections?	No	
	DSNT	LHWT	Logging Horizontal Water Tank?	No	
	DSNT	BHSM	Borehole Size Source Tool	SDLT	
	SDLT	CLOK	Process Caliper Outputs?	Yes	
	SDLT Pad	DNOK	Process Density?	Yes	
	SDLT Pad	DNOK	Process Density EVR?	Yes	
	SDLT Pad	CB	Logging Calibration Blocks?	No	
	SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad	DTWN	Disable temperature warning	No	
	SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
	SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
	SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
	Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
	ACRt Sonde	RTOK	Process ACRt?	Yes	
	ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
	ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
	ACRt Sonde	TPOS	Tool Position	Free Hanging	
	ACRt Sonde	RMOP	Rmud Source	Mud Cell	
	ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
	ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
	ACRt Sonde	THQY	Threshold Quality	0.50	
	ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
	ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	

BOTTOM

INPUTS, DELAYS AND FILTERS TABLE

Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel					
TENS		Tension	0.00	NO	
Rwa / CrossPlot					
TPUL		Tension Pull	54.26	NO	
BS		Bit Size	54.26	NO	
HDIA		Measured Hole Diameter	0.00	NO	
SP Sub					
PLTC		Plot Control Mask	50.56	NO	
SP		Spontaneous Potential	50.56	BLK	1.250
SPR		Raw Spontaneous Potential	50.56	NO	
SPO		Spontaneous Potential Offset	50.56	NO	
GTET					
TPUL		Tension Pull	42.54	NO	
GR		Natural Gamma Ray API	42.54	TRI	1.750
GRU		Unfiltered Natural Gamma Ray API	42.54	NO	
EGR		Natural Gamma Ray API with Enhanced Vertical Resolution	42.54	W	1.416 , 0.750
HDIA		Measured Hole Diameter	0.00	NO	
ACCZ		Accelerometer Z	0.00	BLK	0.083
DEVI		Inclination	0.00	NO	
DSNT					
TPUL		Tension Pull	32.30	NO	
RNDS		Near Detector Telemetry Counts	32.40	BLK	1.417
RFDS		Far Detector Telemetry Counts	33.15	TRI	0.583
DNTT		DSN Tool Temperature	32.40	NO	
DSNS		DSN Tool Status	32.30	NO	
ERND		Near Detector Telemetry Counts EVR	32.40	BLK	0.000
ERFD		Far Detector Telemetry Counts EVR	33.15	BLK	0.000
ENTM		DSN Tool Temperature EVR	32.40	NO	
HDIA		Measured Hole Diameter	0.00	NO	
SDLT					
TPUL		Tension Pull	22.40	NO	
PCAL		Pad Caliper	22.40	TRI	0.250
ACAL		Arm Caliper	22.40	TRI	0.250
ACRt Sonde					
TPUL		Tension Pull	2.73	NO	
F1R1		ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1		ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2		ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2		ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3		ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3		ACRT 12KHz - 29in X value	4.98	BLK	0.000
F1R4		ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4		ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5		ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5		ACRT 12KHz - 10in X value	3.48	BLK	0.000

F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT Pad				
TPUL	Tension Pull	22.39	NO	
NAB	Near Above	22.21	BLK	0.920
NHI	Near Cesium High	22.21	BLK	0.920
NLO	Near Cesium Low	22.21	BLK	0.920
NVA	Near Valley	22.21	BLK	0.920
NBA	Near Barite	22.21	BLK	0.920
NDE	Near Density	22.21	BLK	0.920
NPK	Near Peak	22.21	BLK	0.920
NLI	Near Lithology	22.21	BLK	0.920
NBAU	Near Barite Unfiltered	22.21	BLK	0.250
NLIU	Near Lithology Unfiltered	22.21	BLK	0.250
FAR	Far Above	22.56	BLK	0.250

FAD	Far Above	22.56	BLK	0.250
FHI	Far Cesium High	22.56	BLK	0.250
FLO	Far Cesium Low	22.56	BLK	0.250
FVA	Far Valley	22.56	BLK	0.250
FBA	Far Barite	22.56	BLK	0.250
FDE	Far Density	22.56	BLK	0.250
FPK	Far Peak	22.56	BLK	0.250
FLI	Far Lithology	22.56	BLK	0.250
PTMP	Pad Temperature	22.40	BLK	0.920
NHV	Near Detector High Voltage	21.79	NO	
FHV	Far Detector High Voltage	21.79	NO	
ITMP	Instrument Temperature	21.79	NO	
DDHV	Detector High Voltage	21.79	NO	
HDIA	Measured Hole Diameter	0.00	NO	

Microlog Pad				
TPUL	Tension Pull	22.58	NO	
MINV	Microlog Lateral	22.58	BLK	0.750
MNOR	Microlog Normal	22.58	BLK	0.750
Data: BOYD 1-3I0001 SP-GTET-DSNT-SDLT-ACRT-BNIDLE			Date: 25-Apr-14 08:55:48	

COMPANY	NEW GULF RESOURCES, LLC		
WELL	BOYD 1-3		
FIELD	WILDCAT		
COUNTY	LOGAN	STATE	KANSAS
HALLIBURTON		HIGH RESOLUTION TRIPLE COMBO LOG	