MIDWEST WIRELINE

BOREHOLE VOLUME

Company Satchell Creek Petroleum LLC
Well Worcester A #1-34
Field Last Hope Northeast
County Graham State Kansas

Location: API # : 15-065-24269-00-00
NE SE SW SE
465 FSL & 1560 FEL
SEC 34 TWP 6S RGE 22W

Other Services
CNL/CDL/DIL
MEL/BHCS

Elevation 2245
Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 2252
D.F.
G.L. 2245

Date	7/27/2023
Run Number	One
Type Log	BHV
Depth Driller	3860
Depth Logger	3852
Bottom Logged Interval	3831
Top Logged Interval	200
Type Fluid In Hole	Chemical
Salinity, PPM CL	2100
Density	9.5
Level	Full
Max. Rec. Temp. F	115
Operating Rig Time	3.5 Hours
Equipment -- Location	P-24 Hays
Recorded By	T. Martin
Witnessed By	Sean Deenihan

Borehole Record

Run No.	Bit	From	To
One	12.25	00	220
Two	7.875	220	TD

Casing Record

Size	Wgt.	From	To
8.625	23	00	220

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Hill City, KS, 3 E to Rd 310,
7 N to Rd Y, 3/4 E, N into

Log Measured From: Kelly Bushing 7 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: T. Martin	Primary Witness: Sean Deenihan
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
GR	32.75		GR-M&W (105)	3.00	3.50	50.00
CNLSC	29.65					
CNSSC	28.90		CNT-M&W (207)	5.00	3.50	100.00
			CDL-M&W (307-11)	8.50	4.00	250.00
LSD	20.60					
DCAL	20.58					
SSD	20.10					
RLL3F	15.50					
RLL3	15.50					
			DIL-M&W (507)	18.25	3.50	220.00
CILD	8.33					
CILM	4.50					
SP	0.20					

Dataset: satchell_worcester a #1-34.db: field/well/Stack/pass3.1
Total length: 34.75 ft
Total weight: 620.00 lb
O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\satchell_worcester a #1-34.db
Dataset field/well/Stack/pass3.1/_vars_

Top - Bottom

BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	MATRXDEN	NPORSEL	PERFS
in	degF	in	in	g/cc	g/cc		
7.875	115	5.5	0	1	2.71	Limestone	No

SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
mmho/m	mmho/m	mV	degF		ft
-1.5	2	480	98	Off	3852

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
MATRXDEN : Matrix Density
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

MIDWEST WIRELINE

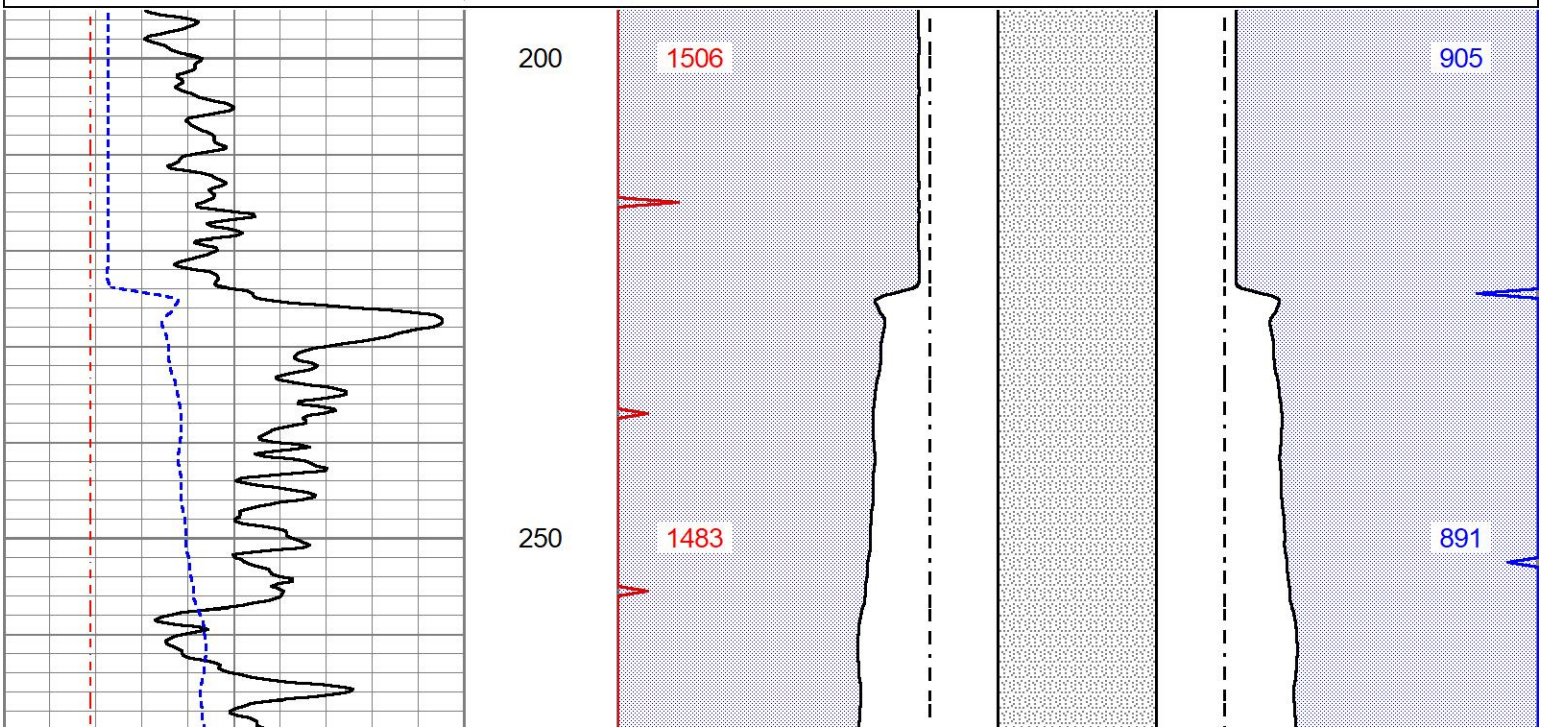
DETAIL SECTION

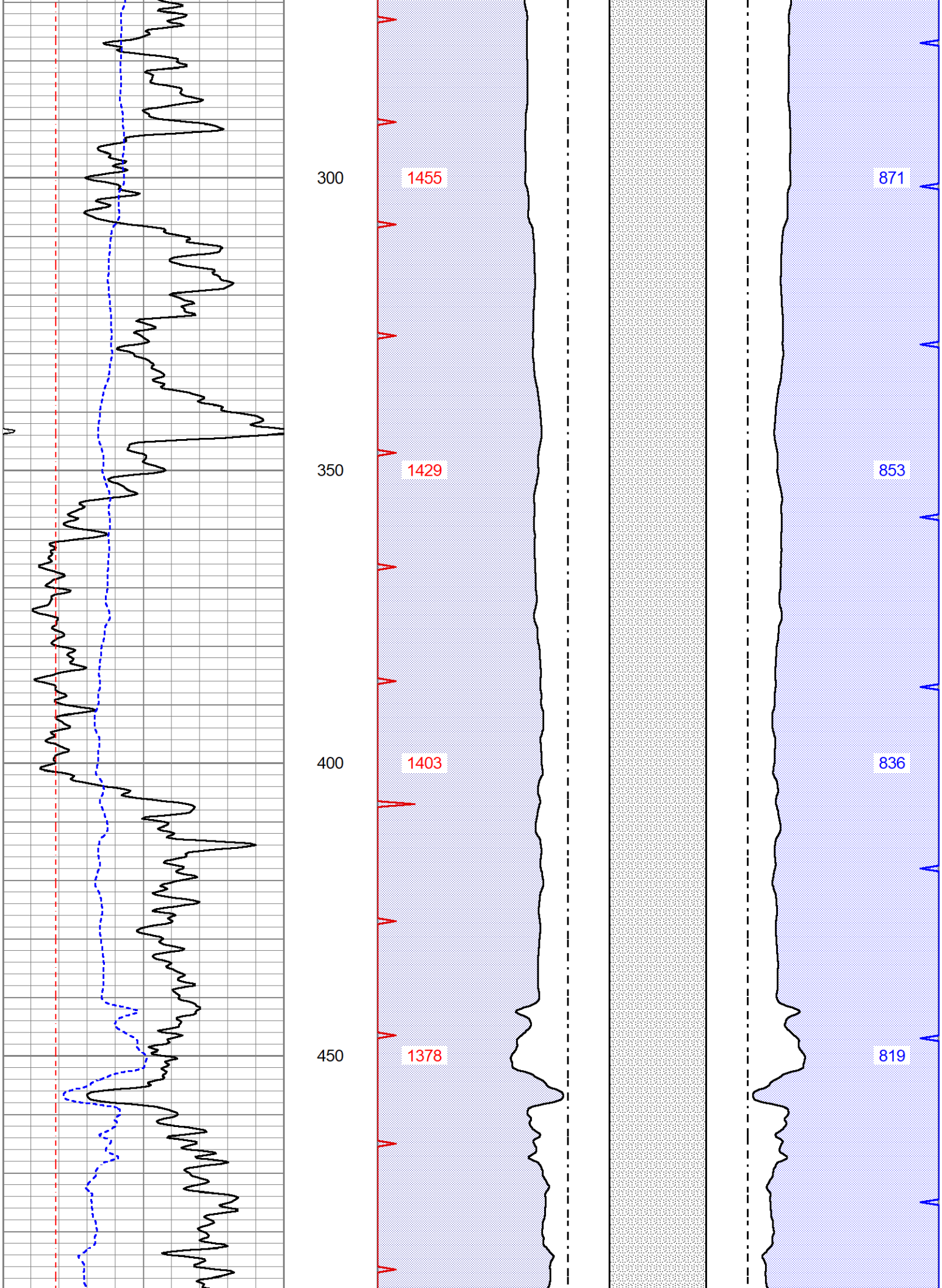
MAIN PASS

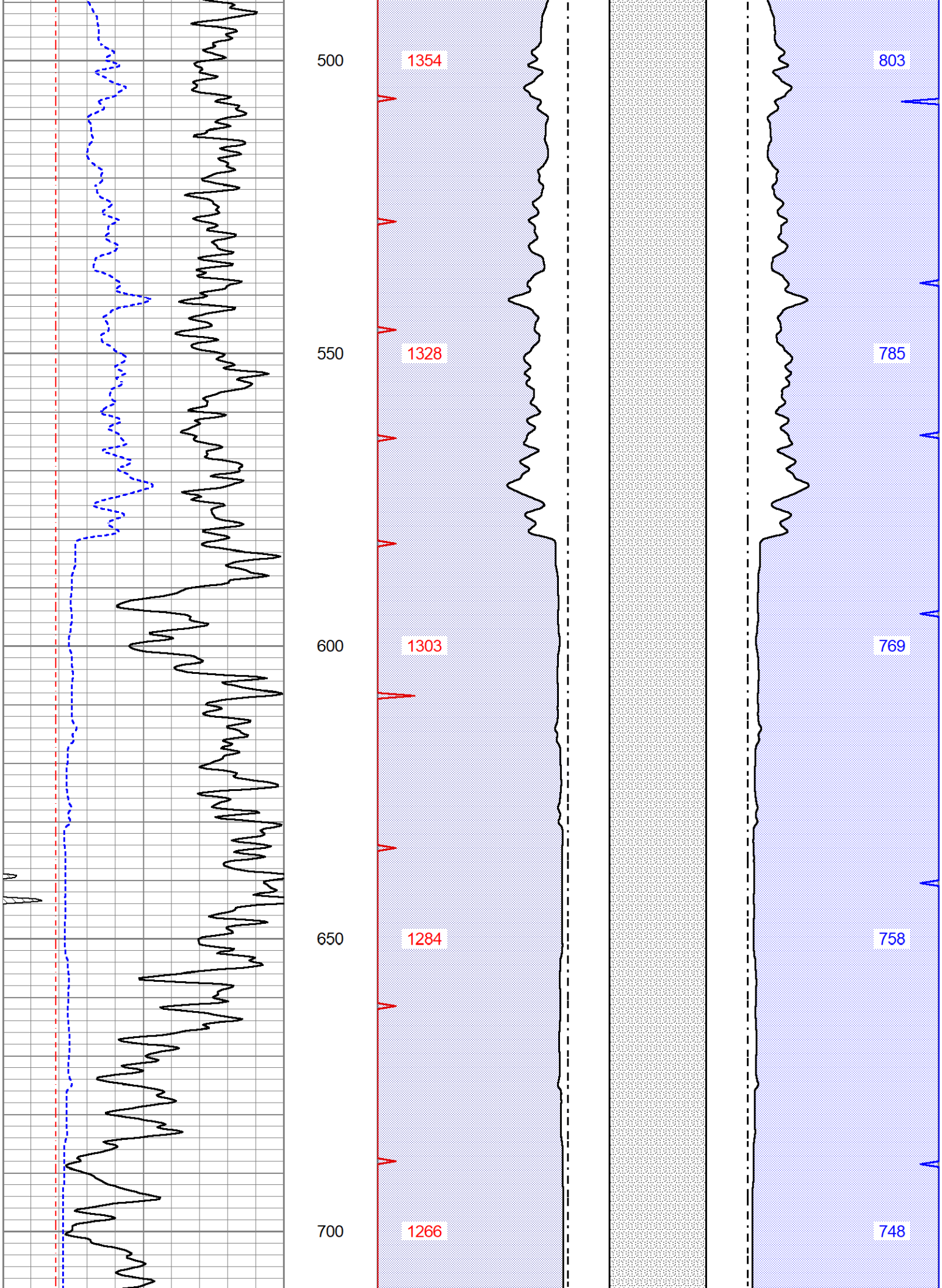
Database File	satchell_worcester a #1-34.db
Dataset Pathname	Stack/pass3.1
Presentation Format	bhv5half
Dataset Creation	Thu Jul 27 15:03:48 2023
Charted by	Depth in Feet scaled 1:240

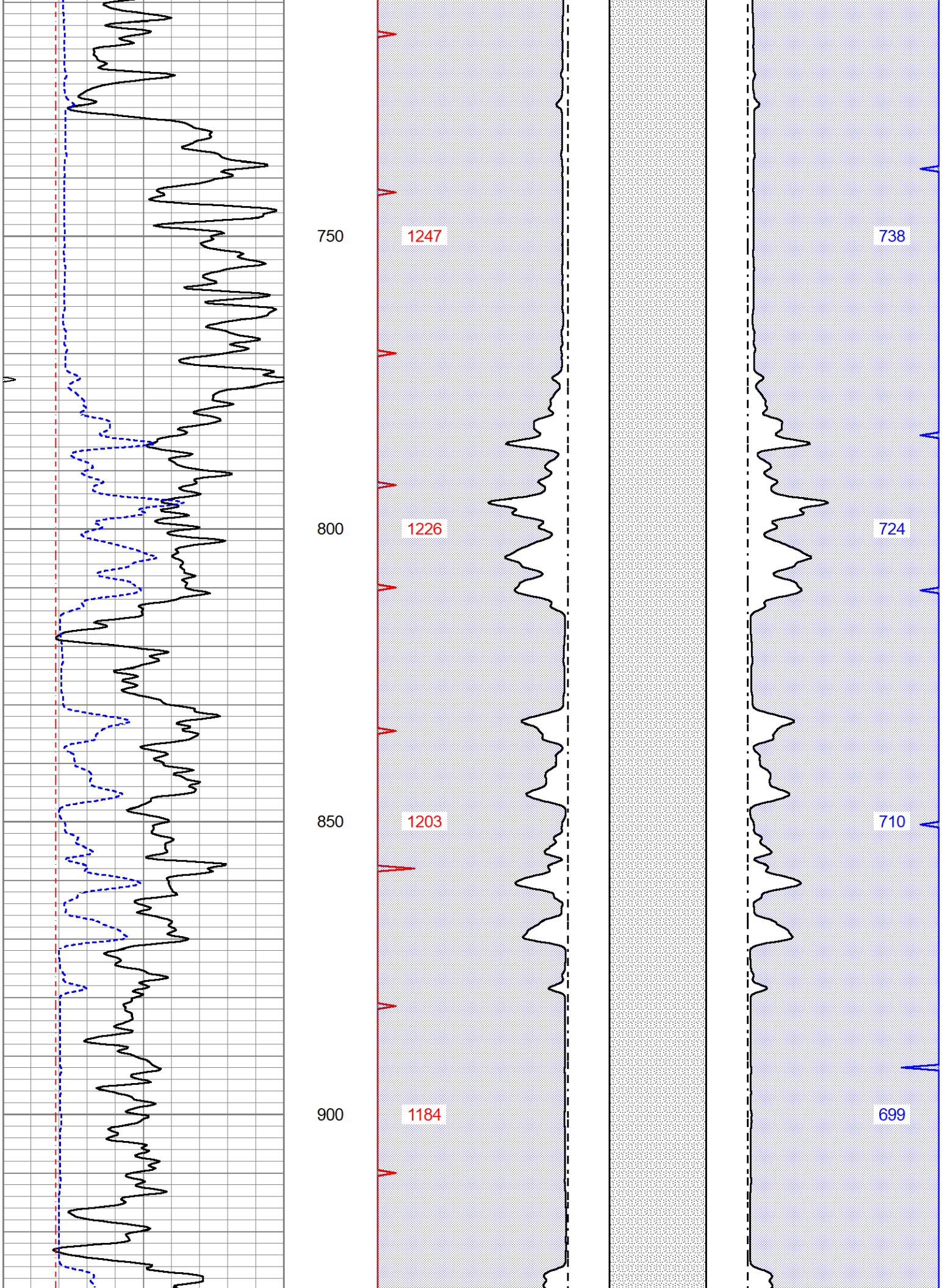
0	Gamma Ray (GAPI)	150
150	GR (GAPI)	300
6	DCAL (in)	16
6	BOREID (in)	16

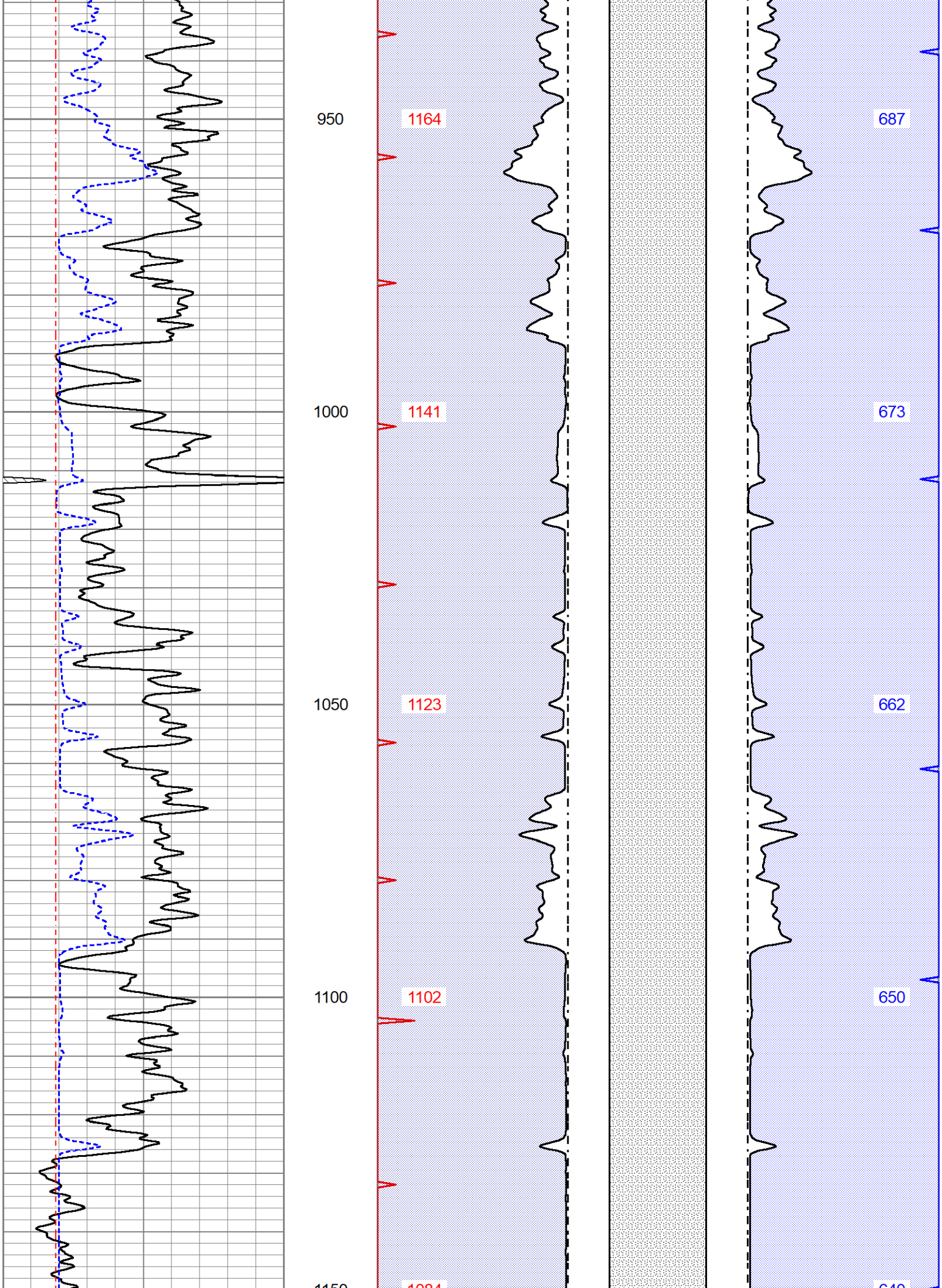
DCAL	DCAL
BOREID	BOREID
Borehole Volume (ft3)	Annular Volume (ft3)

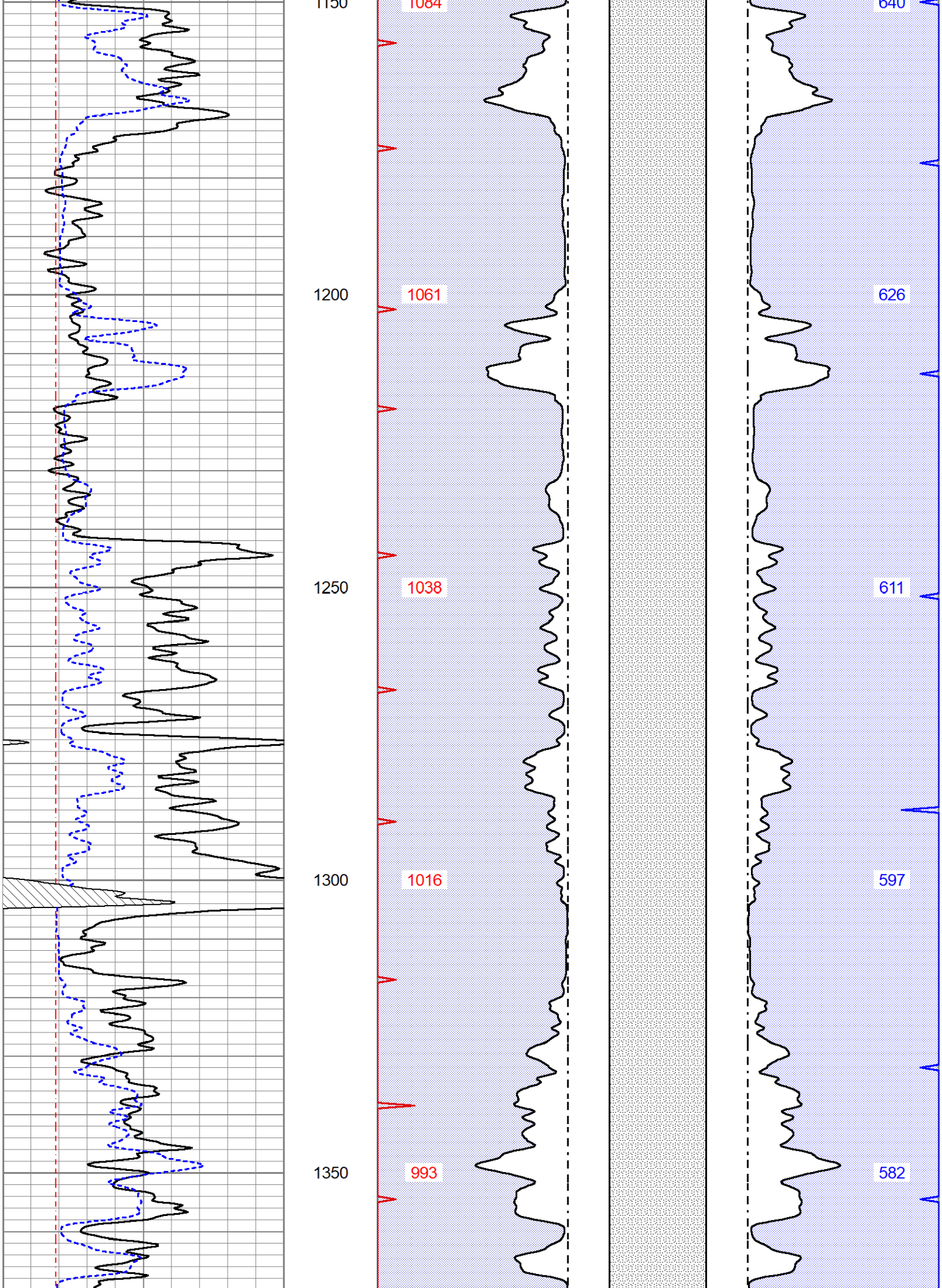


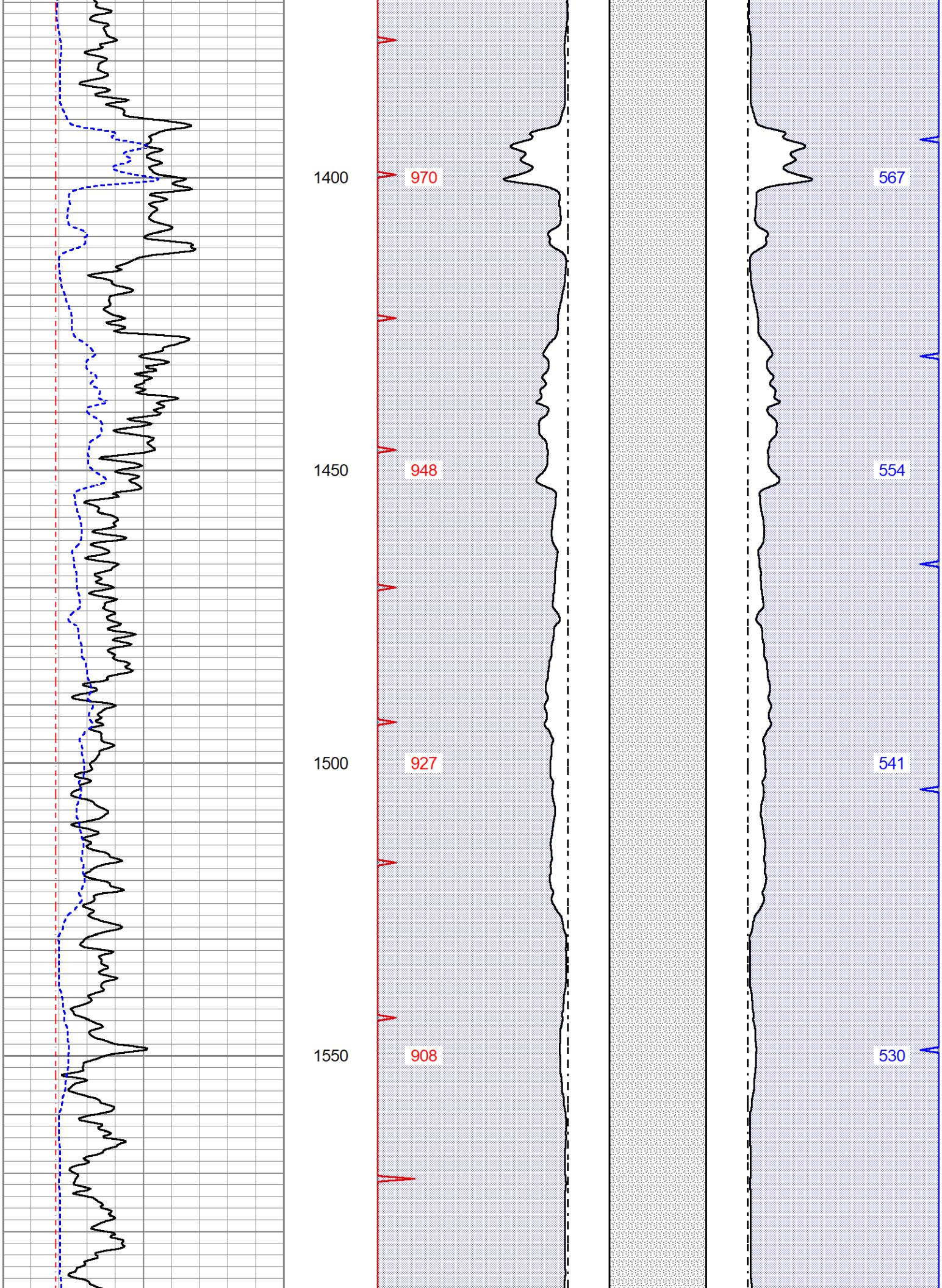

300
1455
871
350
1429
853
400
1403
836
450
1378
819

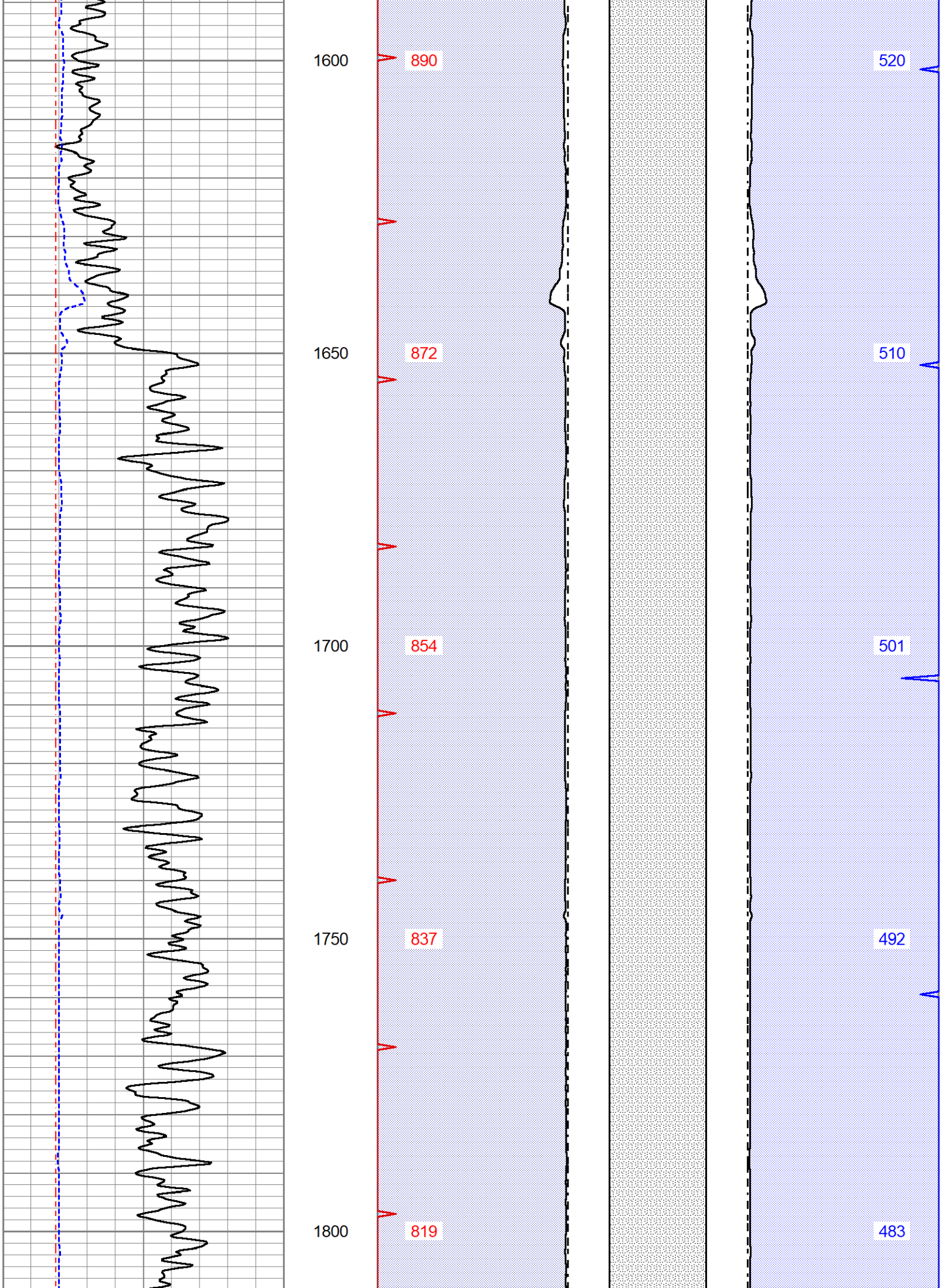

500
1354
803
550
1328
785
600
1303
769
650
1284
758
700
1266
748

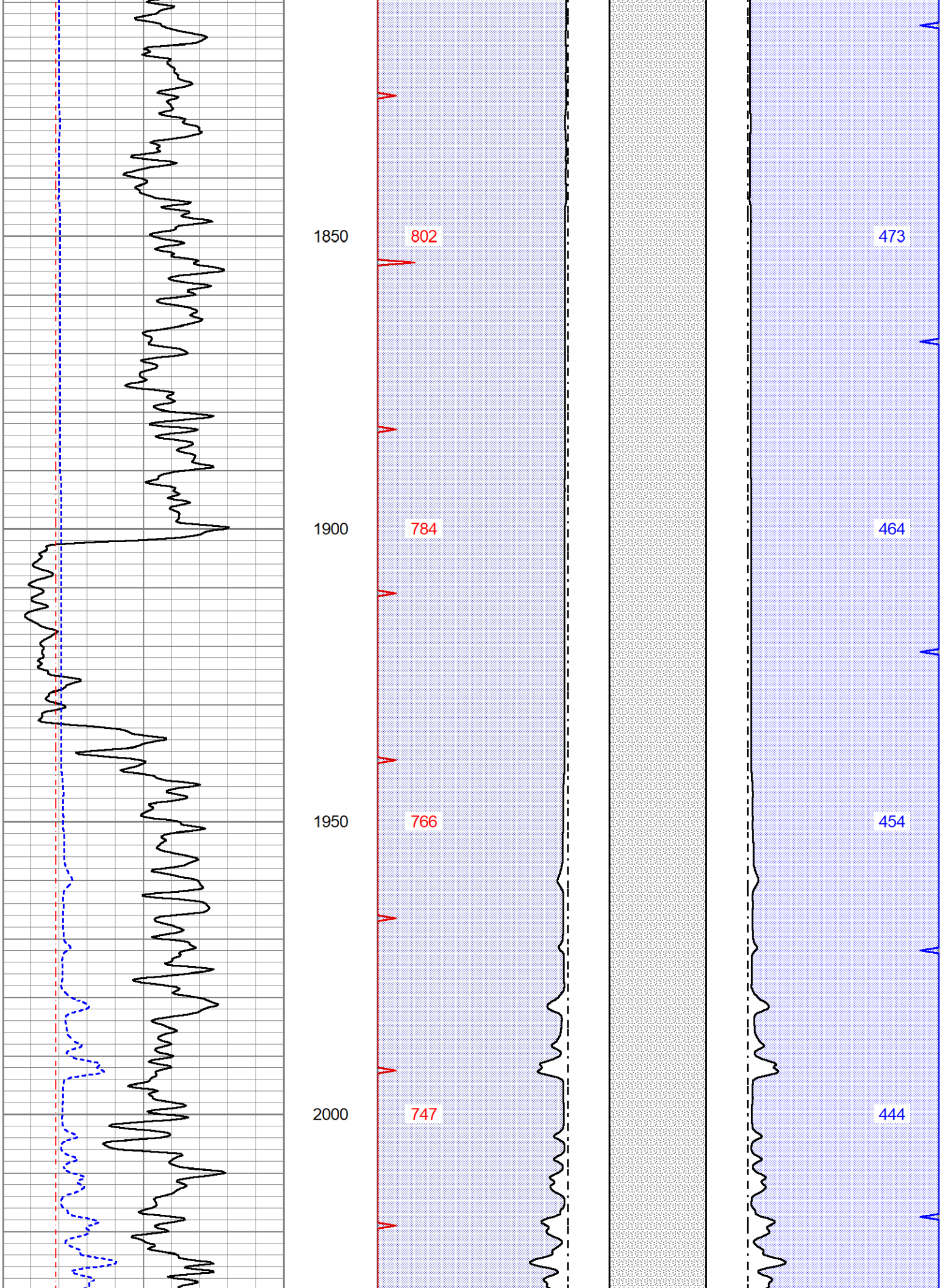

750
1247
738
800
1226
724
850
1203
710
900
1184
699

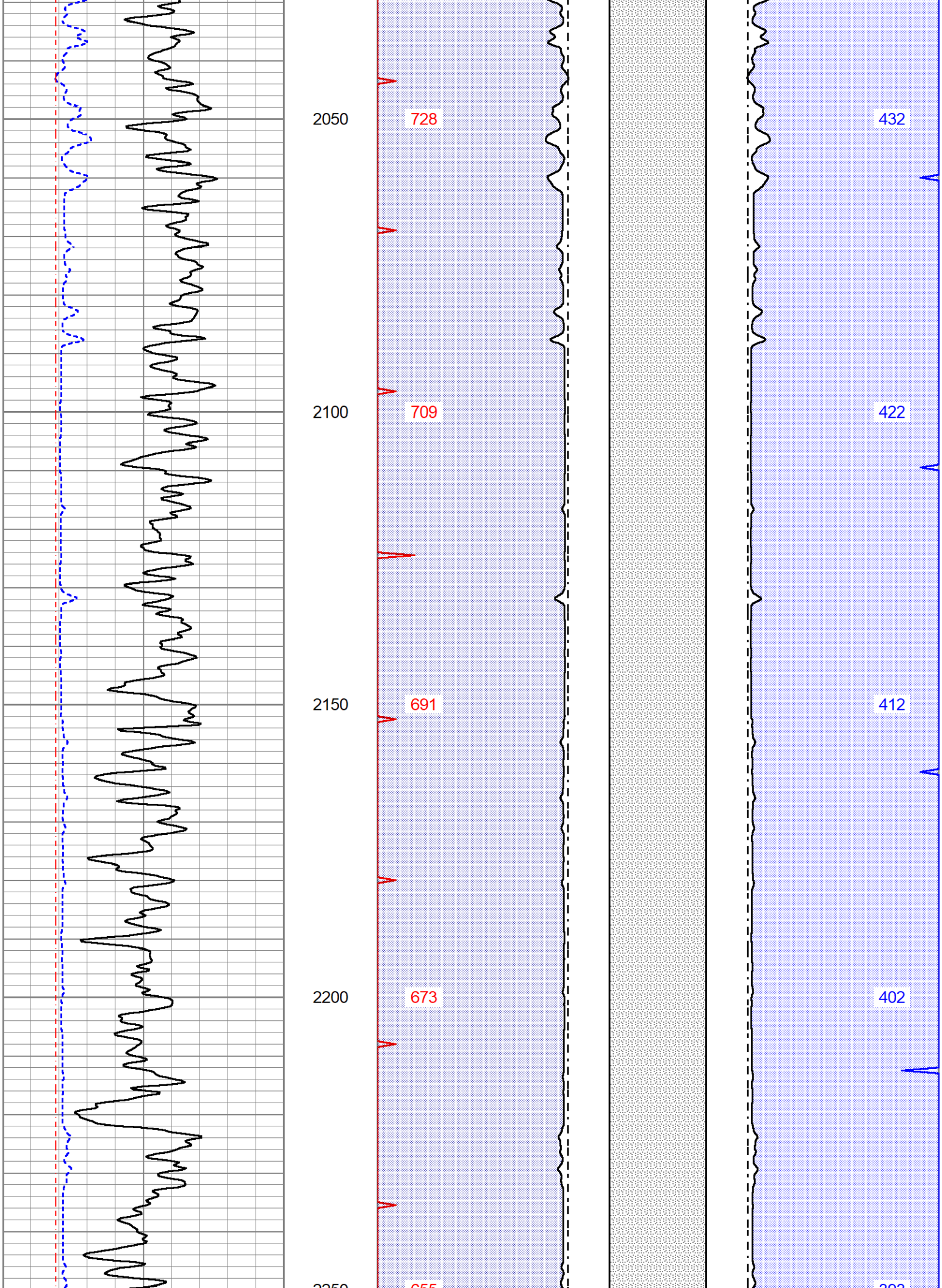

950
1000
1050
1100
1150
1164
1141
1123
1102
687
673
662
650

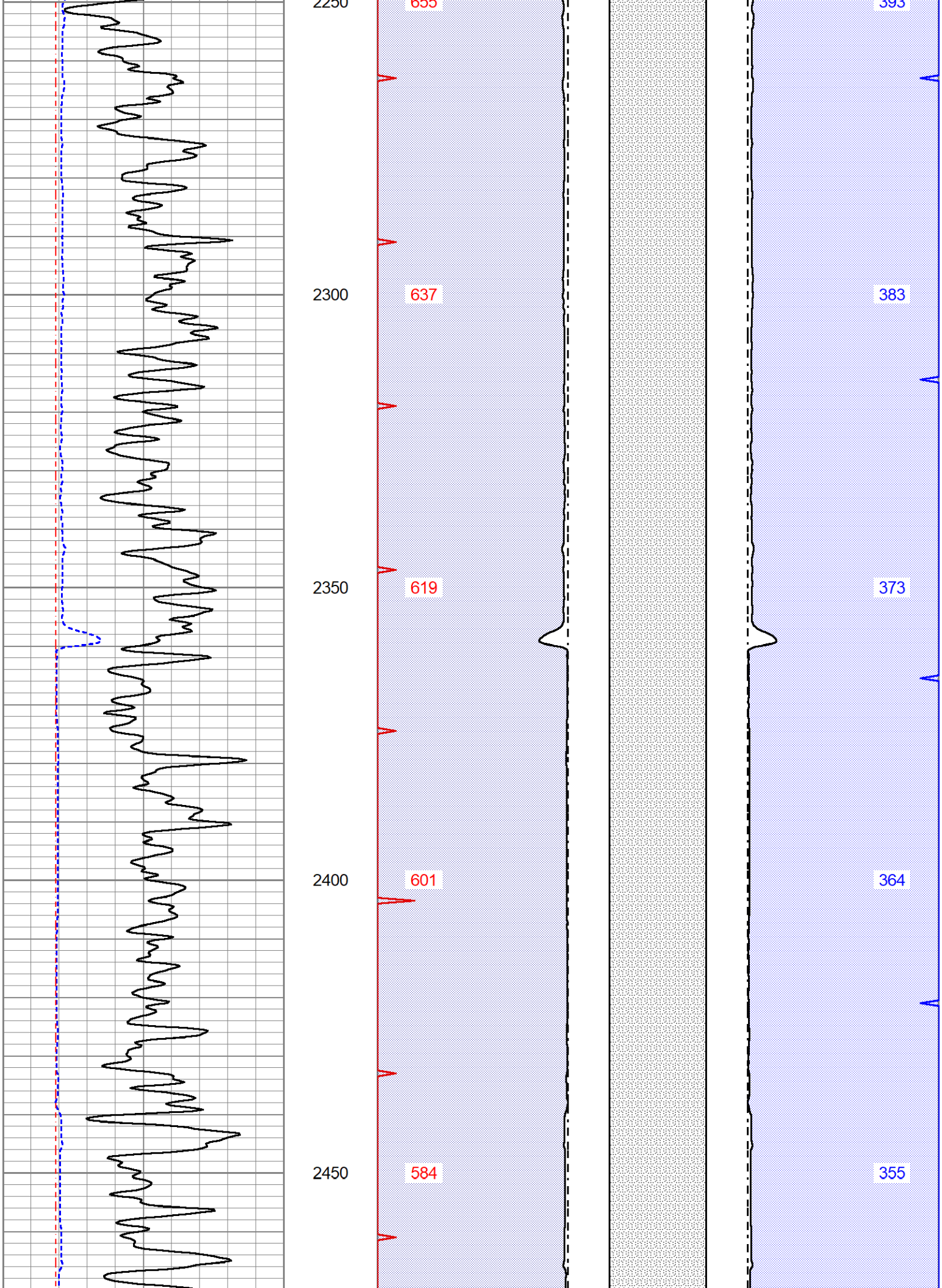

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1084
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1300
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993
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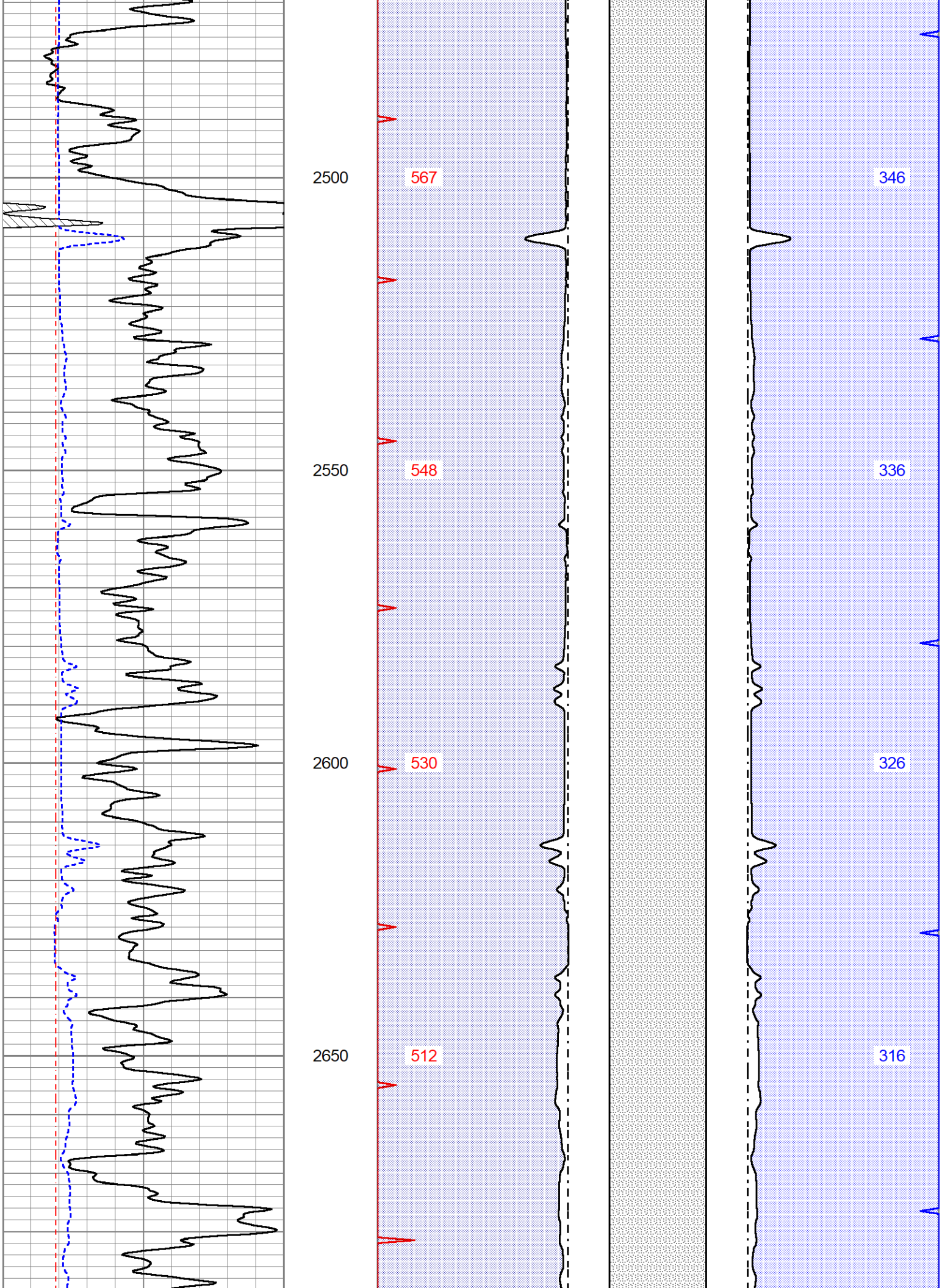

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970
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1450
948
554
1500
927
541
1550
908
530

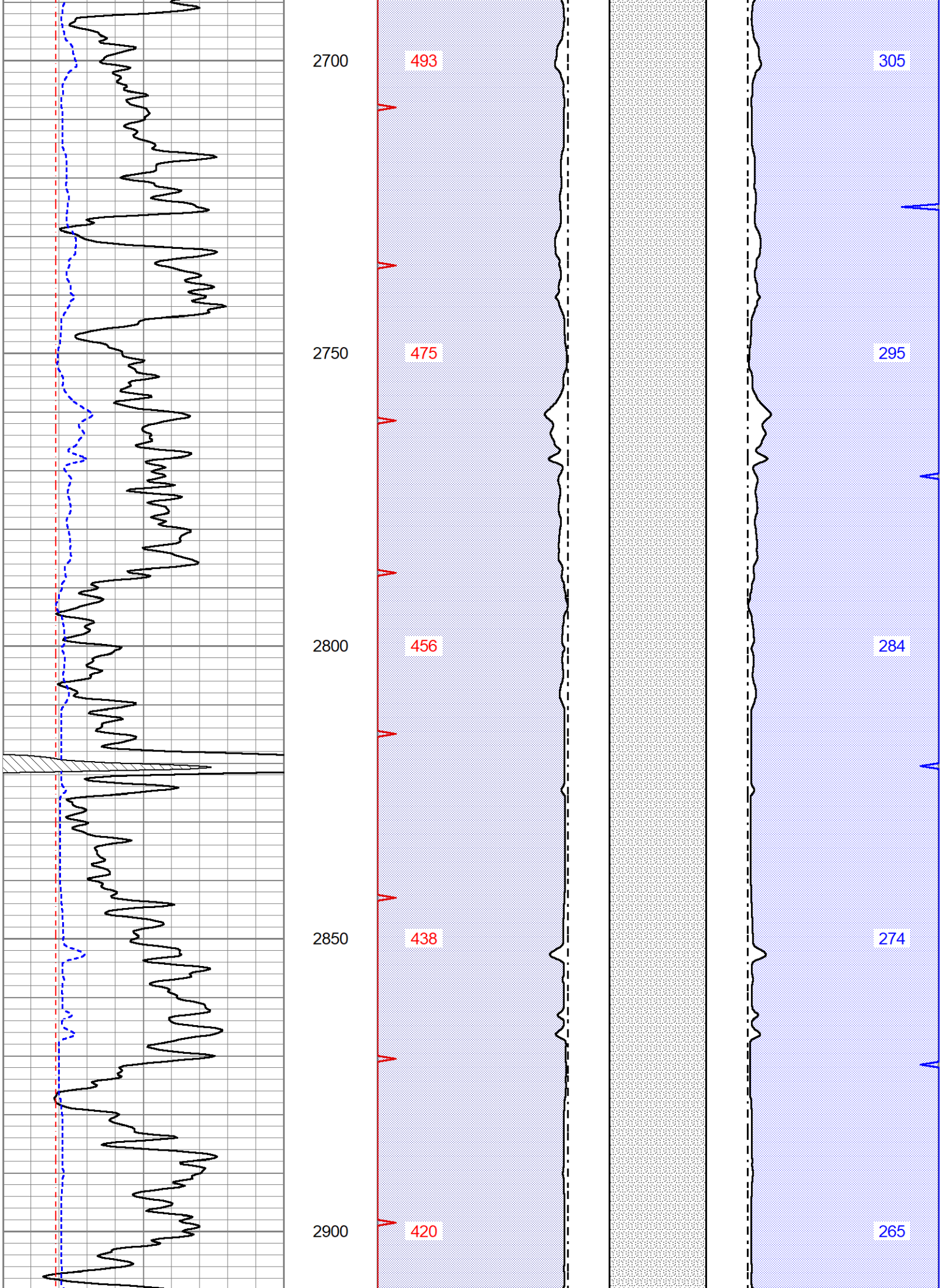

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520
1650
872
510
1700
854
501
1750
837
492
1800
819
483

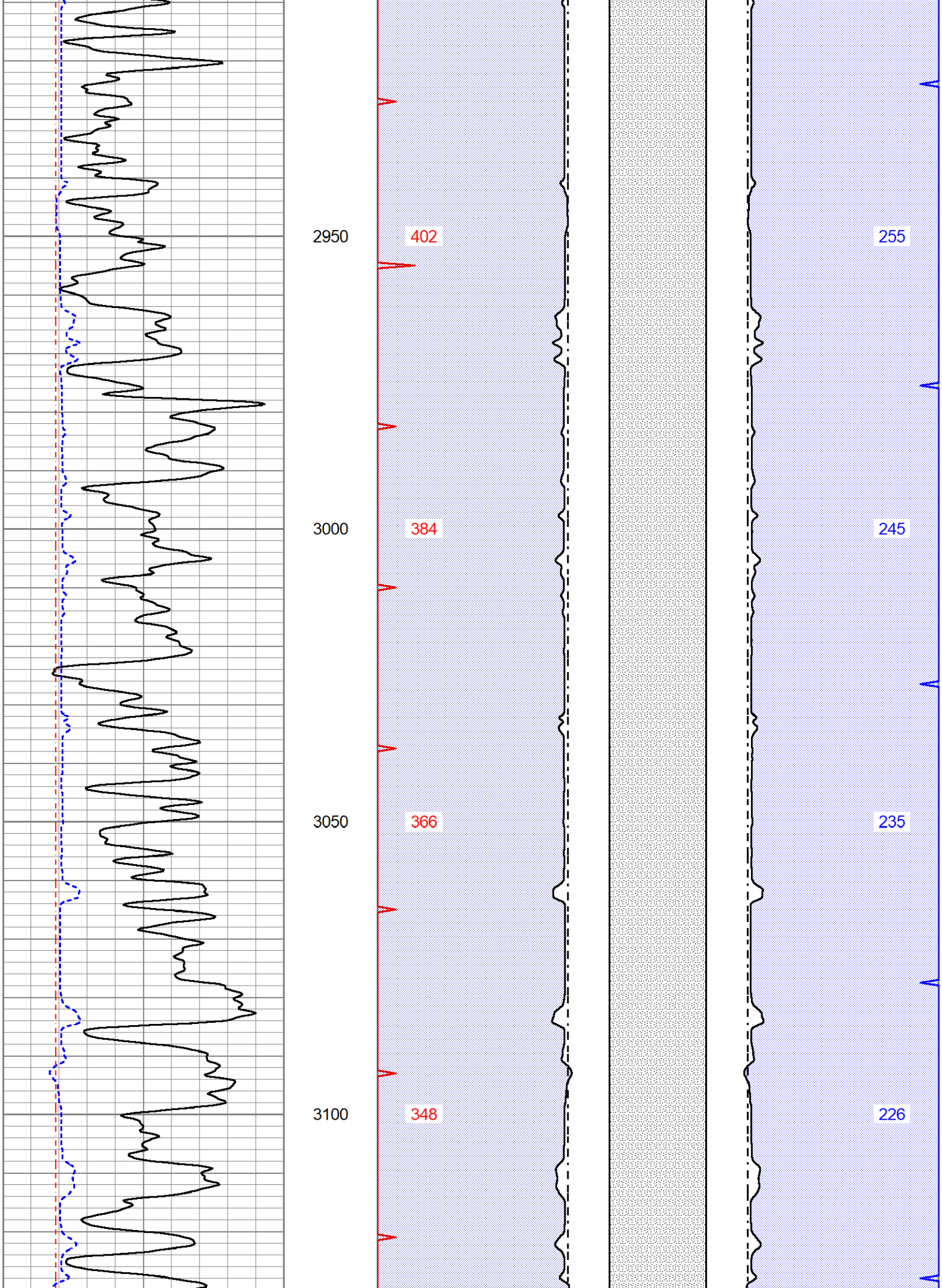

1850
802
473
1900
784
464
1950
766
454
2000
747
444

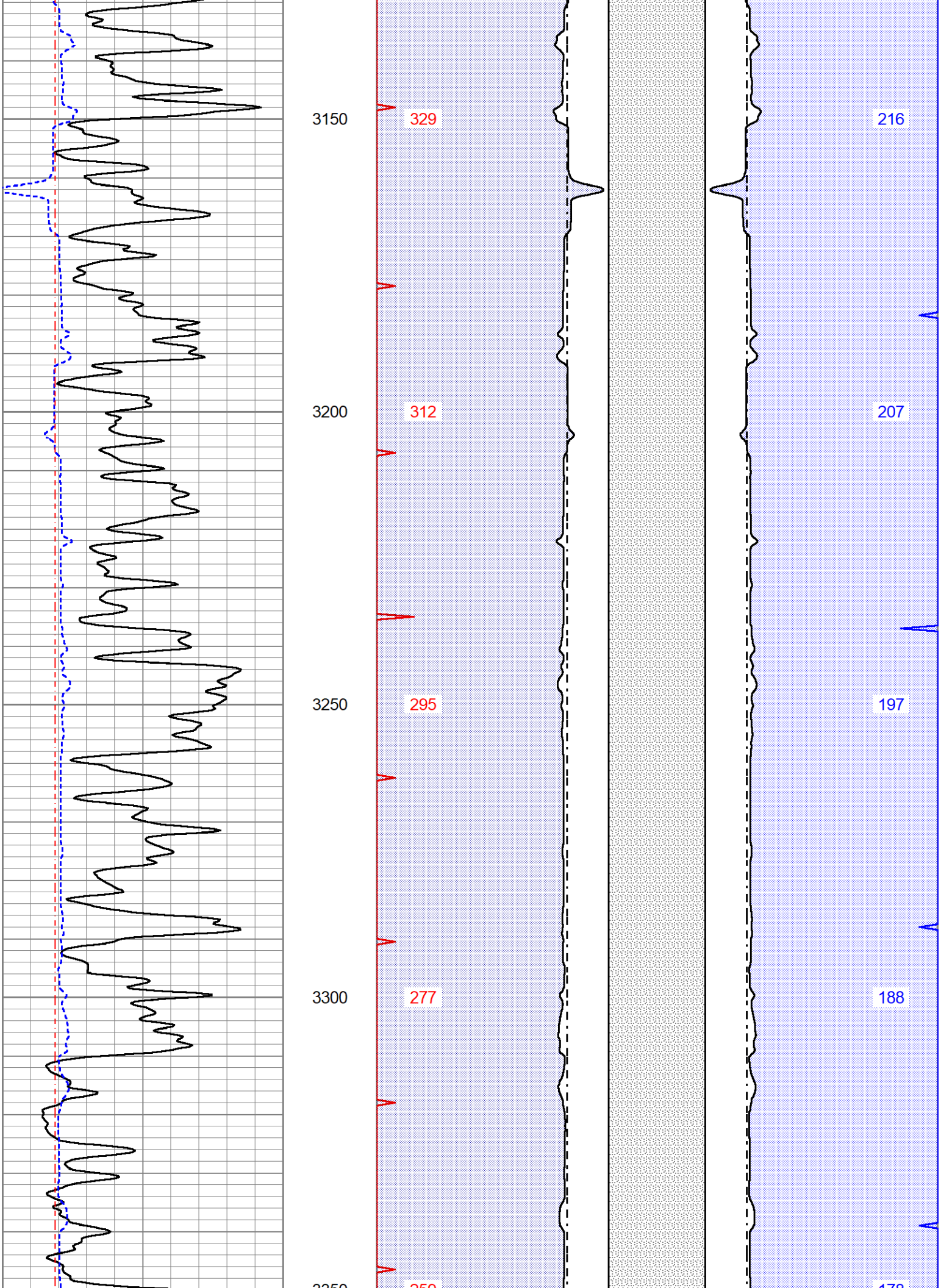

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728
432
2100
709
422
2150
691
412
2200
673
402

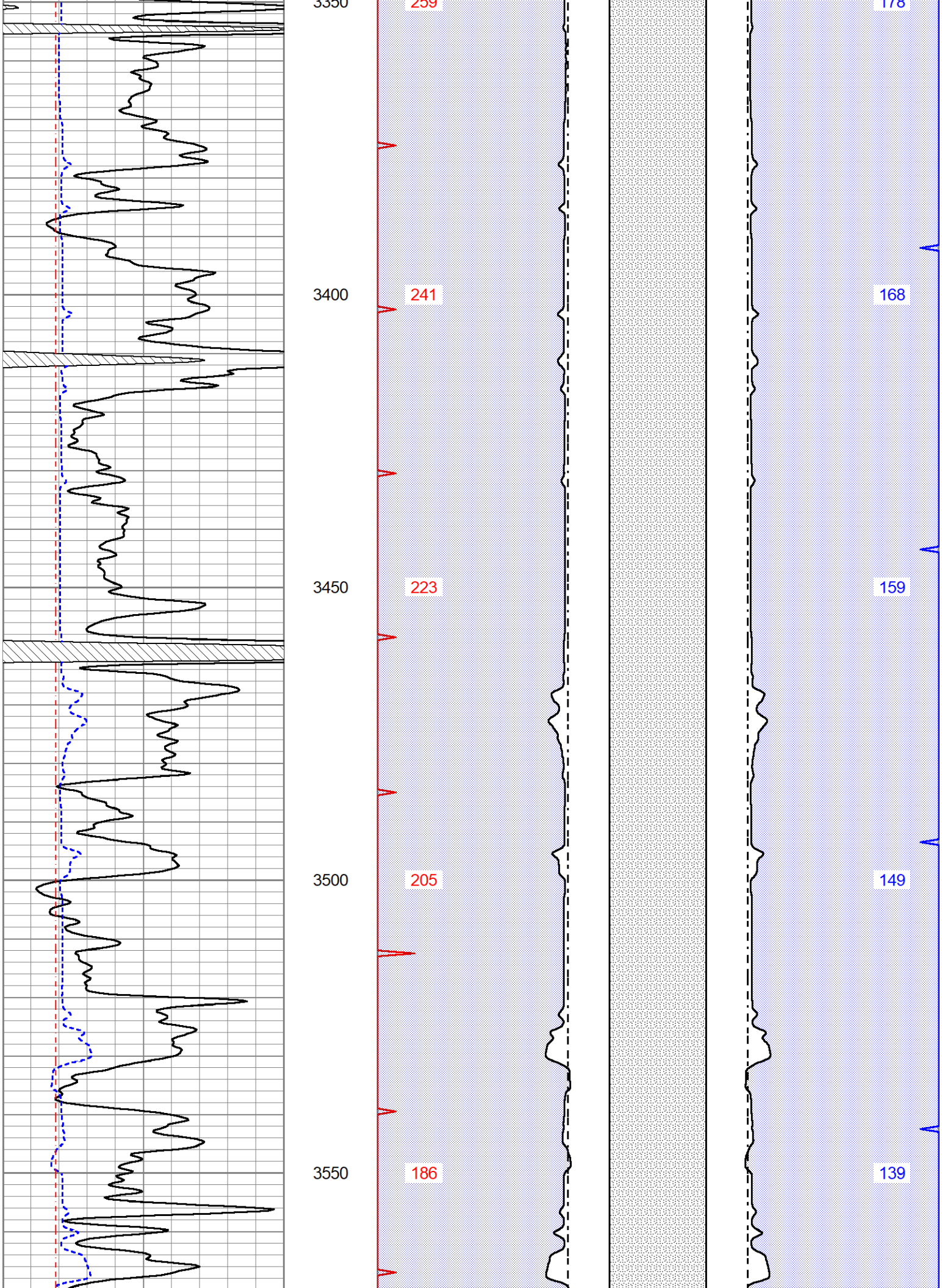

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637
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2350
619
373
2400
601
364
2450
584
355

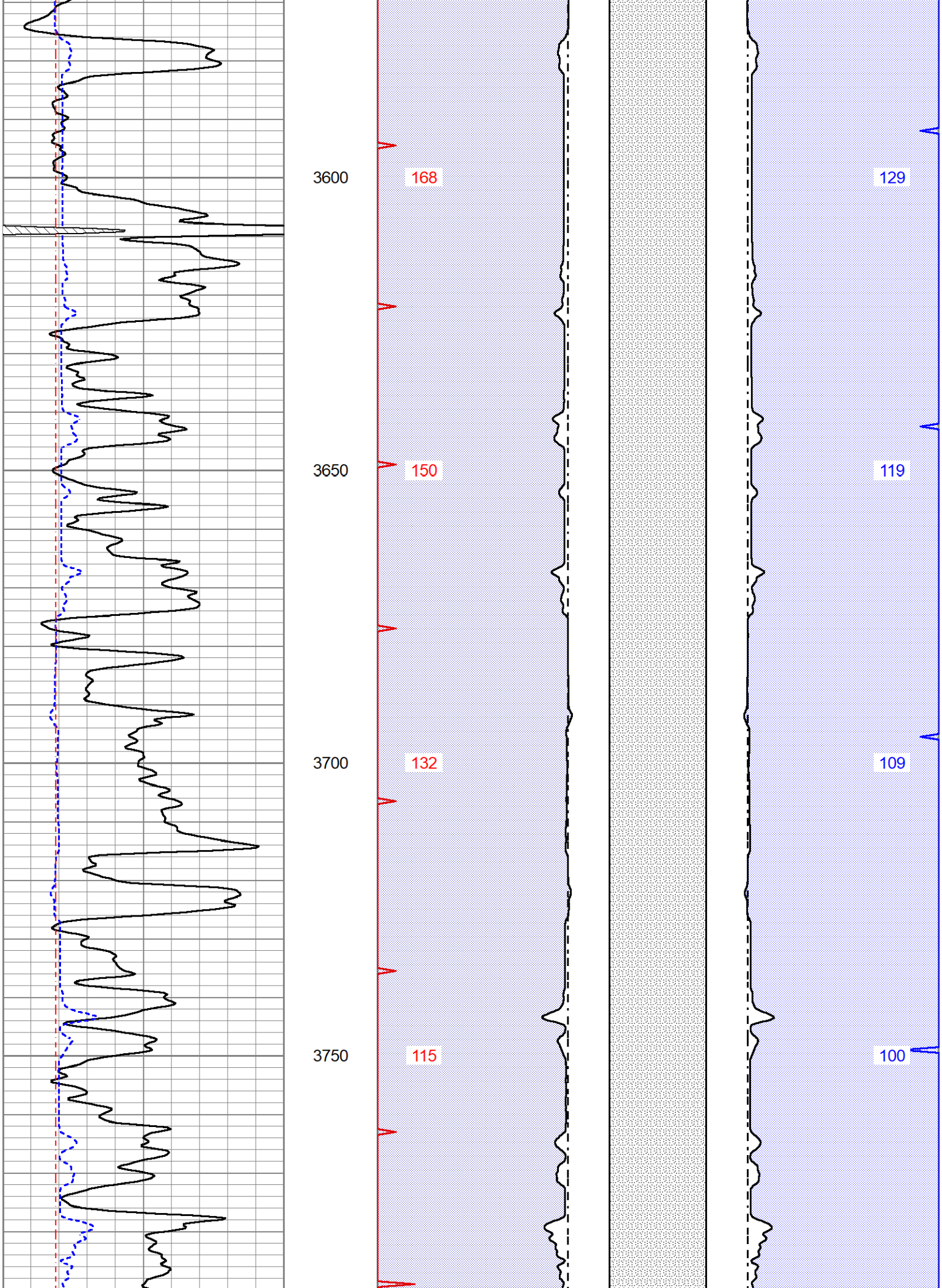

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346
2550
548
336
2600
530
326
2650
512
316

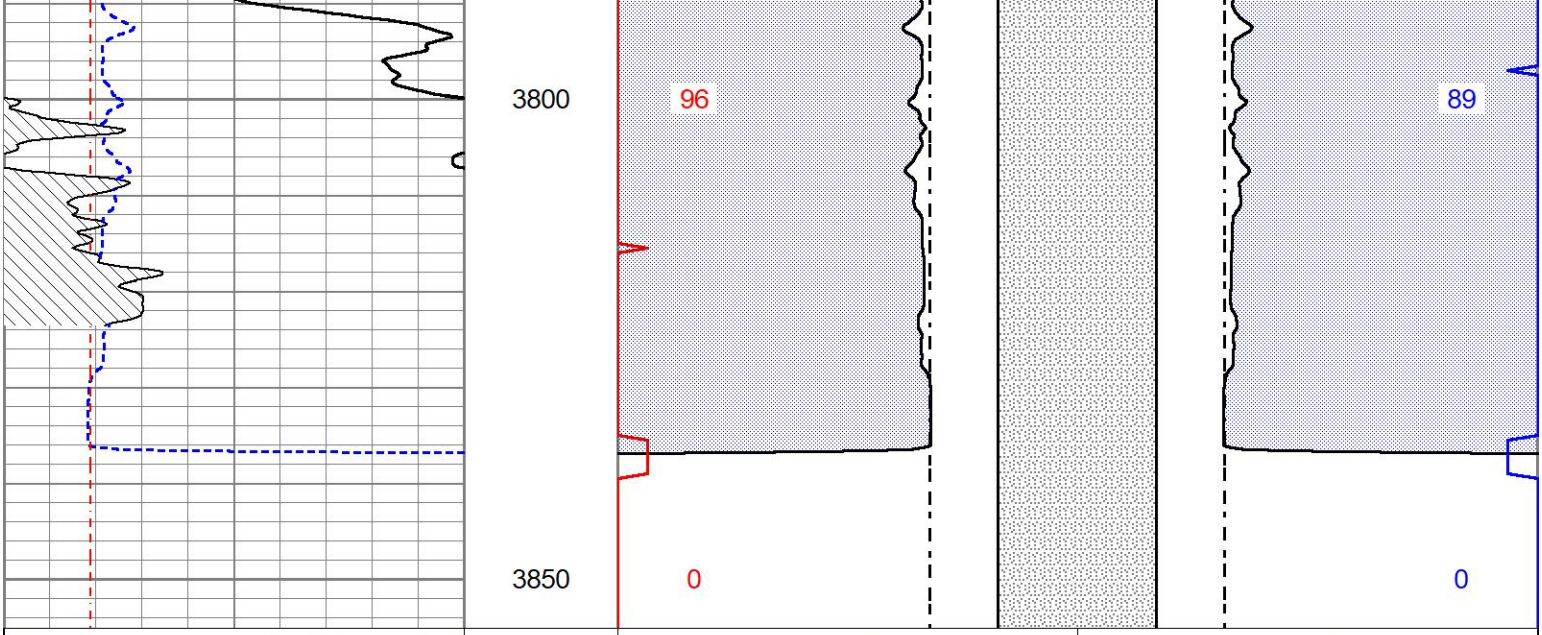

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493
305
2750
475
295
2800
456
284
2850
438
274
2900
420
265


2950
402
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245
3050
366
235
3100
348
226


3150
329
216
3200
312
207
3250
295
197
3300
277
188


3350
259
178
3400
241
168
3450
223
159
3500
205
149
3550
186
139


3600
168
129
3650
150
119
3700
132
109
3750
115
100



0	Gamma Ray (GAPI)	150	DCAL	DCAL
150	GR (GAPI)	300	BOREID	BOREID
6	DCAL (in)	16	Borehole Volume (ft3)	Annular Volume (ft3)
6	BOREID (in)	16		

MIDWEST WIRELINE

Company	Satchell Creek Petroleum LLC
Well	Worcester A #1-34
Field	Last Hope Northeast
County	Graham
State	Kansas