Company	Taos Resources Operating Company LLC
Well	Reed #34-1
Field	Maddix North
County	Cowley
State	Kansas

LITHO DENSITY NEUTRON LOG

Company Taos Resources Operating Company LLC

Well Reed #34-1

Field Maddix North

County Cowley **State** Kansas

Location: API # : 15 035 24672

475' FNL & 2312' FEL

SEC 34 TWP 32S RGE 5E

Permanent Datum	Ground Level	Elevation	1294'
Log Measured From	KB 11' AGL		
Drilling Measured From	KB		

Other Services: DIL, BHC, ML

Elevation: K.B. 1305', D.F. 1304', G.L. 1294'

Date	6-2-17		
Run Number	One		
Depth Driller	3567'		
Depth Logger	3570'		
Bottom Logged Interval	3548'		
Top Log Interval	350'		
Casing Driller	8 5/8" @ 240'		
Casing Logger	240'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.7/44		
pH / Fluid Loss	8.5/10.4		
Source of Sample	Pit		
Rm @ Meas. Temp	1.20@86degf		
Rmf @ Meas. Temp	0.96@86degf		
Rmc @ Meas. Temp	1.54@86degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.93@111degf		
Time Circulation Stopped	9:30 p.m.		
Time Logger on Bottom	11:15 p.m.		
Maximum Recorded Temperature	111degf		
Equipment Number	T-127		
Location	Hays, KS		
Recorded By	C.Patterson		
Witnessed By	Mr. Mike Pressnall	Mr. Ray Dorthy	

<<< Fold Here >>>

Comments

East of Winfield(Main St. and 160 Hwy) 6.5 mi. to 151st rd., 1 south 172nd Rd., 1/2 east, north into

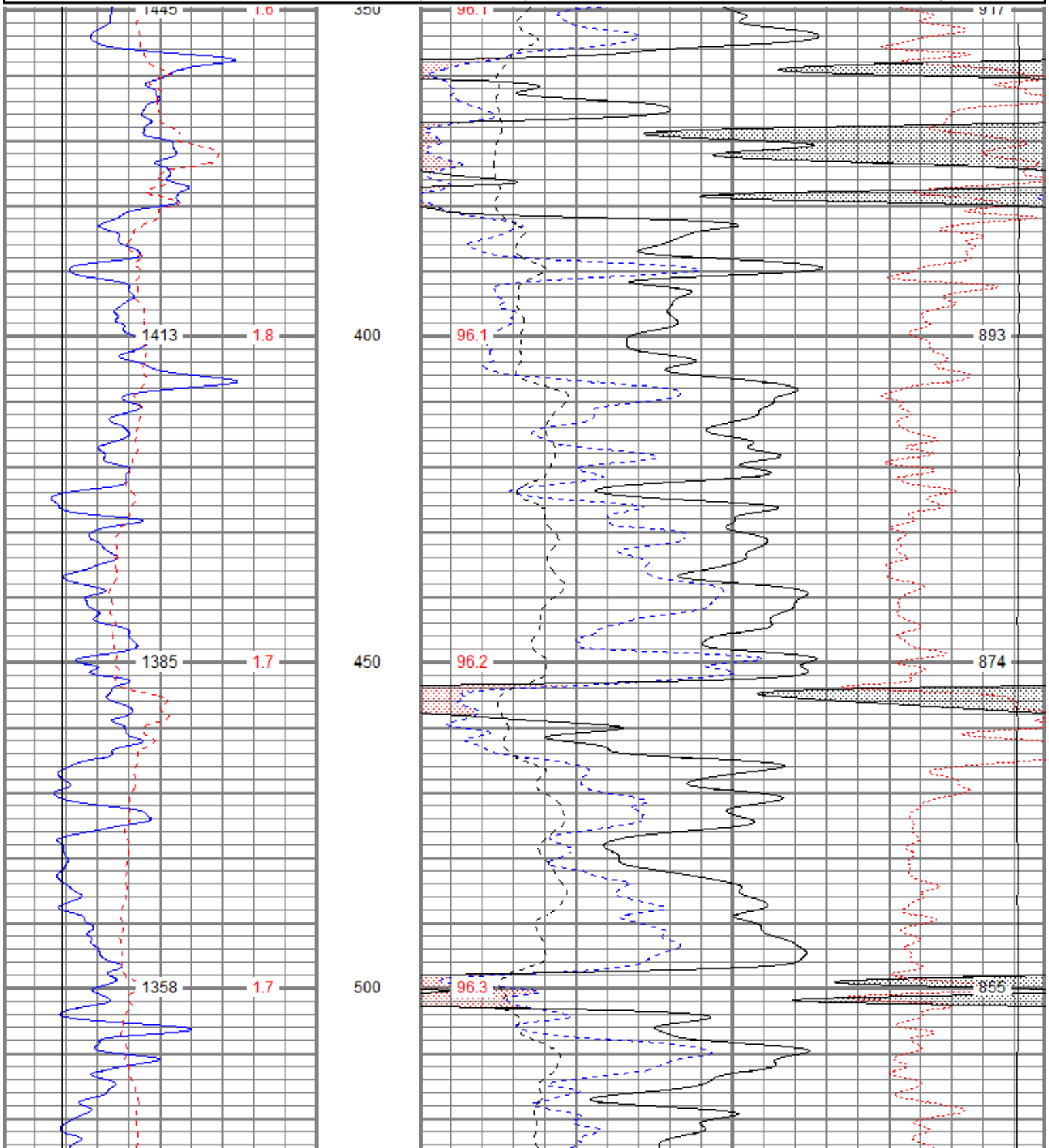
Thank you for using Gemini Wireline
785-625-1182

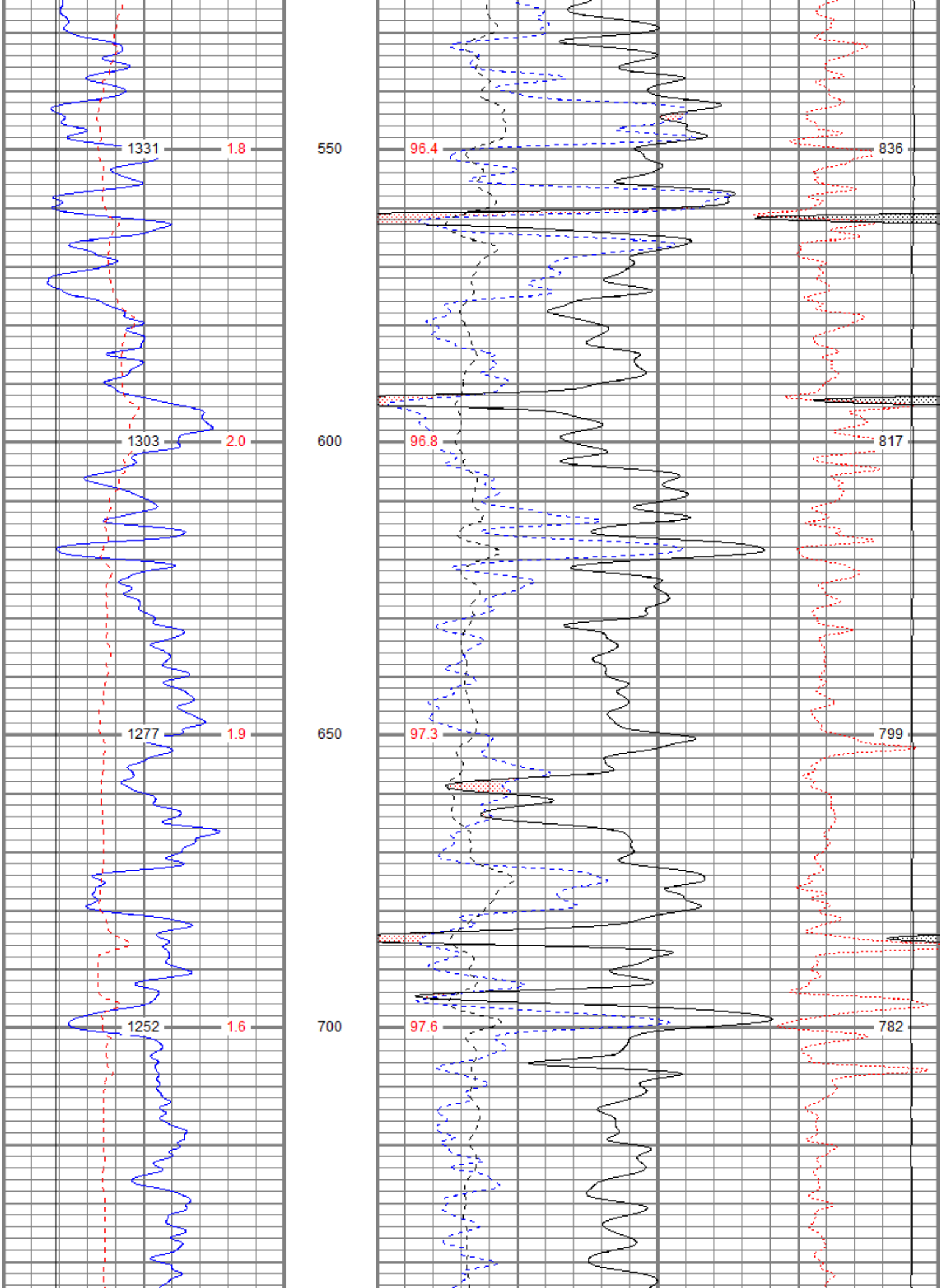
MAIN PASS

Database File	trocreed#34-1oh.db
Dataset Pathname	pass2.1
Presentation Format	digital_kcdnl
Dataset Creation	Sat Jun 03 01:09:56 2017
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3) / DEVI (deg)	

30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
0	Pe (barn)	10
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0
TEMP (degF)		ABHV (ft3)

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96.8
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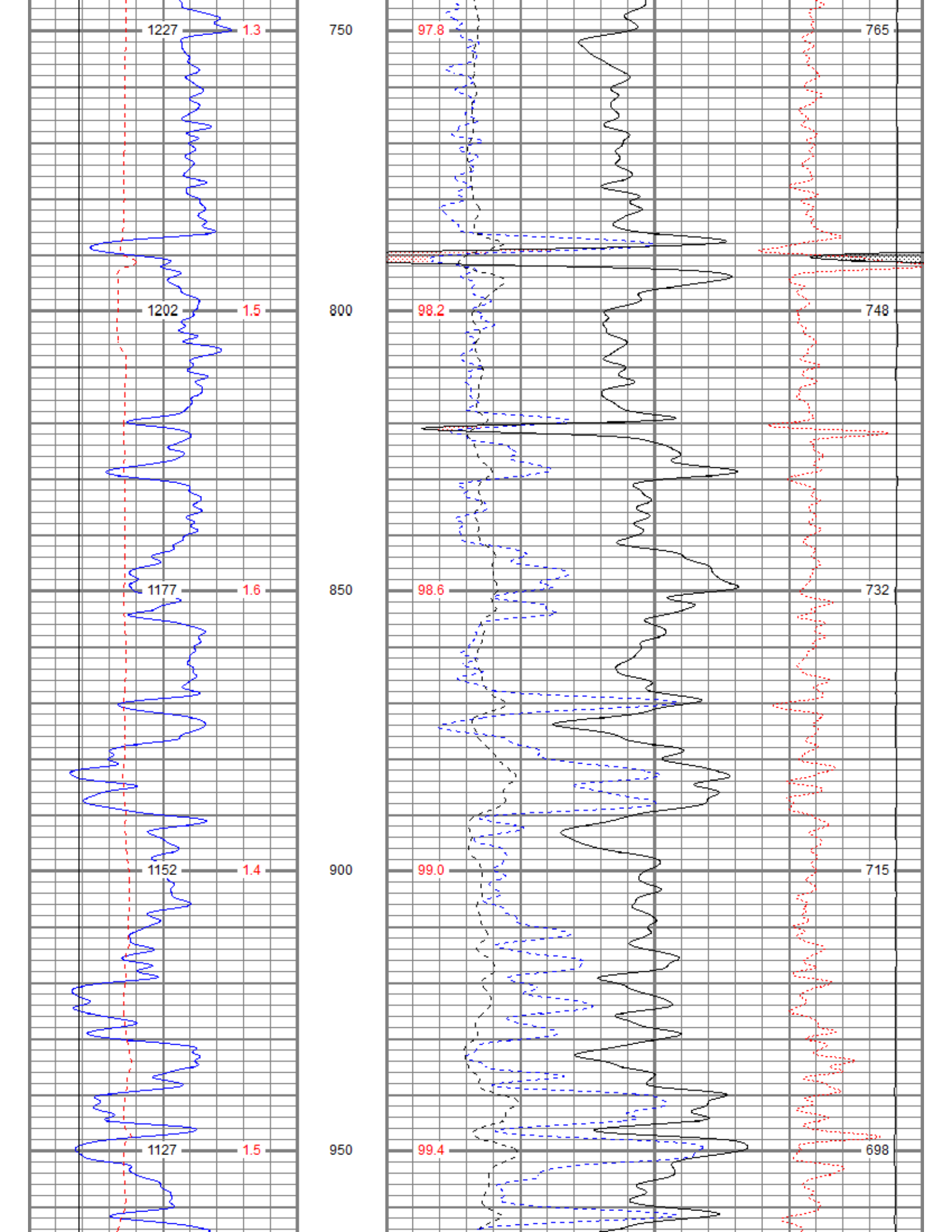
650
97.3
799
1252
1.6
700
97.6
782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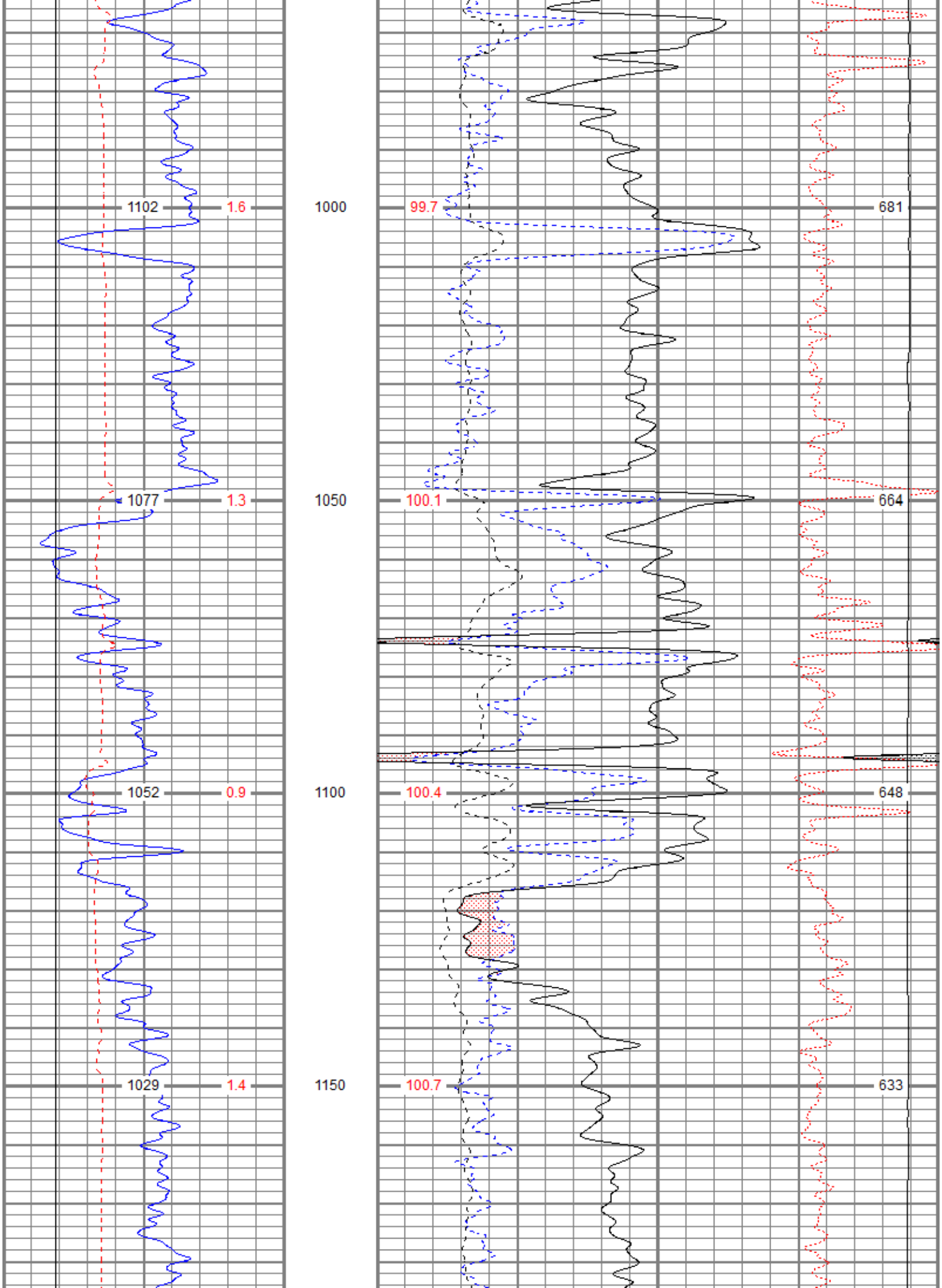
1.3
750
97.8
765
1202
1.5
800
98.2
748
1177
1.6
850
98.6
732
1152
1.4
900
99.0
715
1127
1.5
950
99.4
698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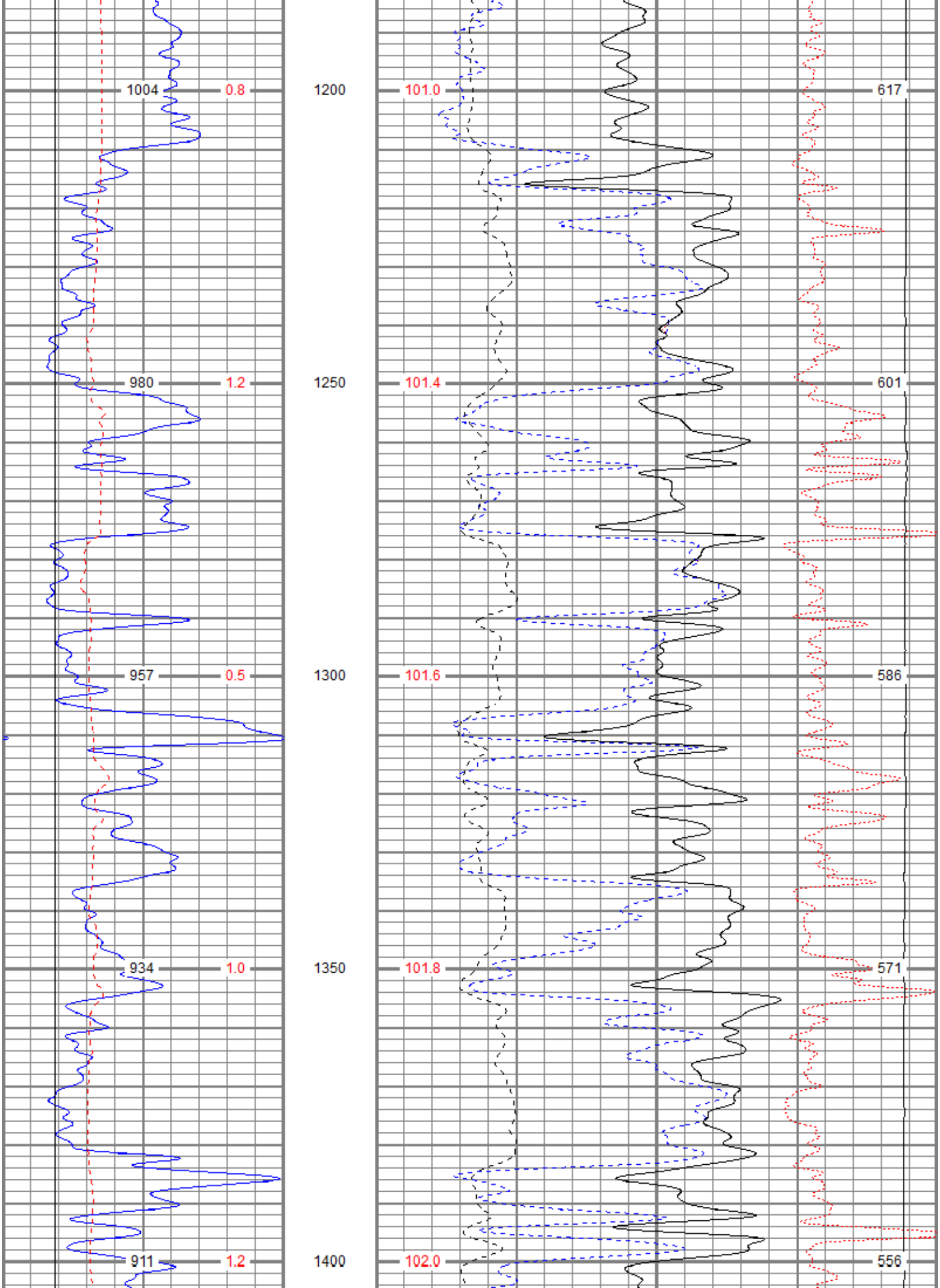
1.6
1000
99.7
681
1077
1.3
1050
100.1
664
1052
0.9
1100
100.4
648
1029
1.4
1150
100.7
633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1200
101.0
617
980
1.2
1250
101.4
601
957
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101.6
586
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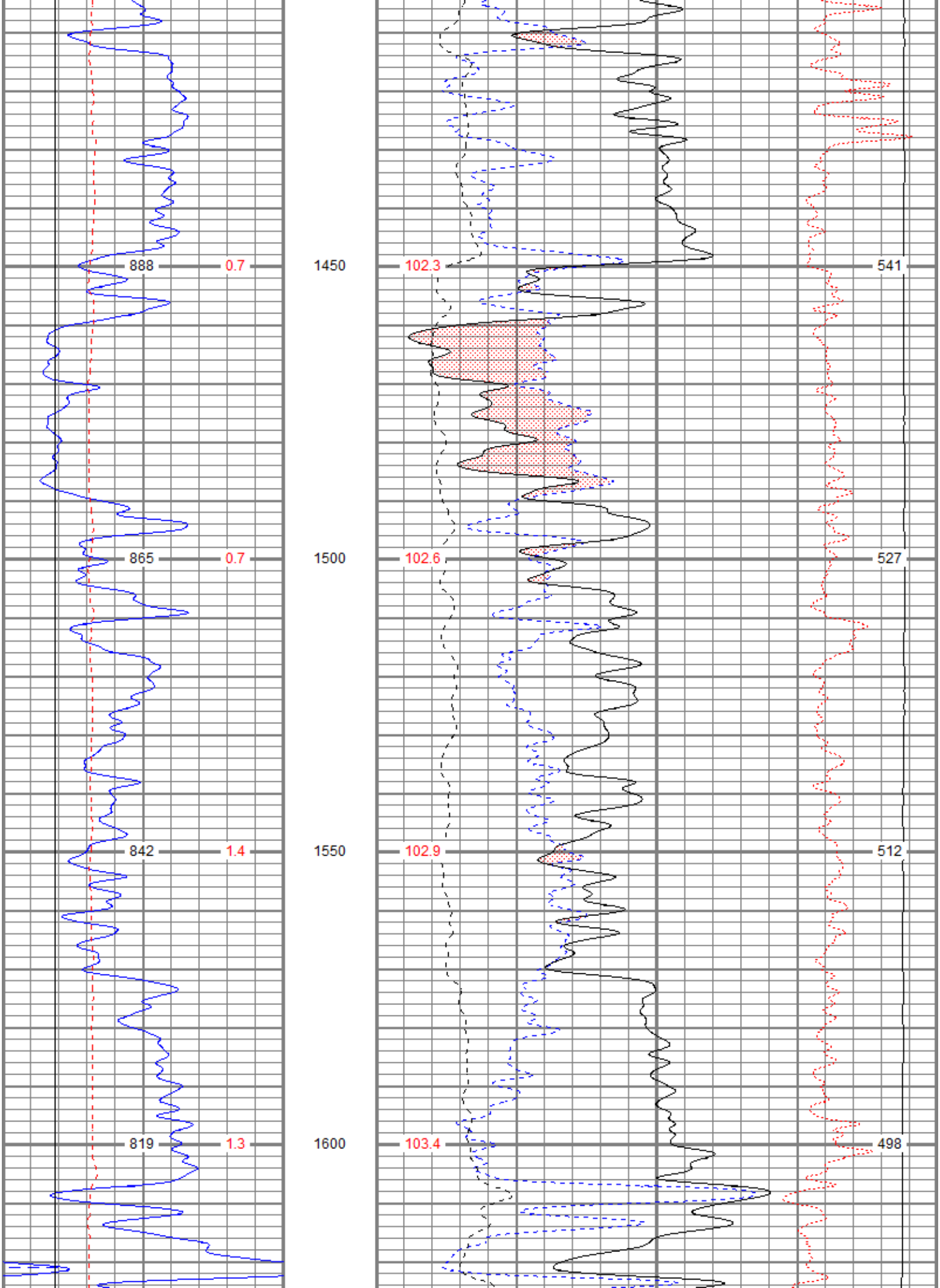
1.0
1350
101.8
571
911
1.2
1400
102.0
556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1.3
1600
103.4
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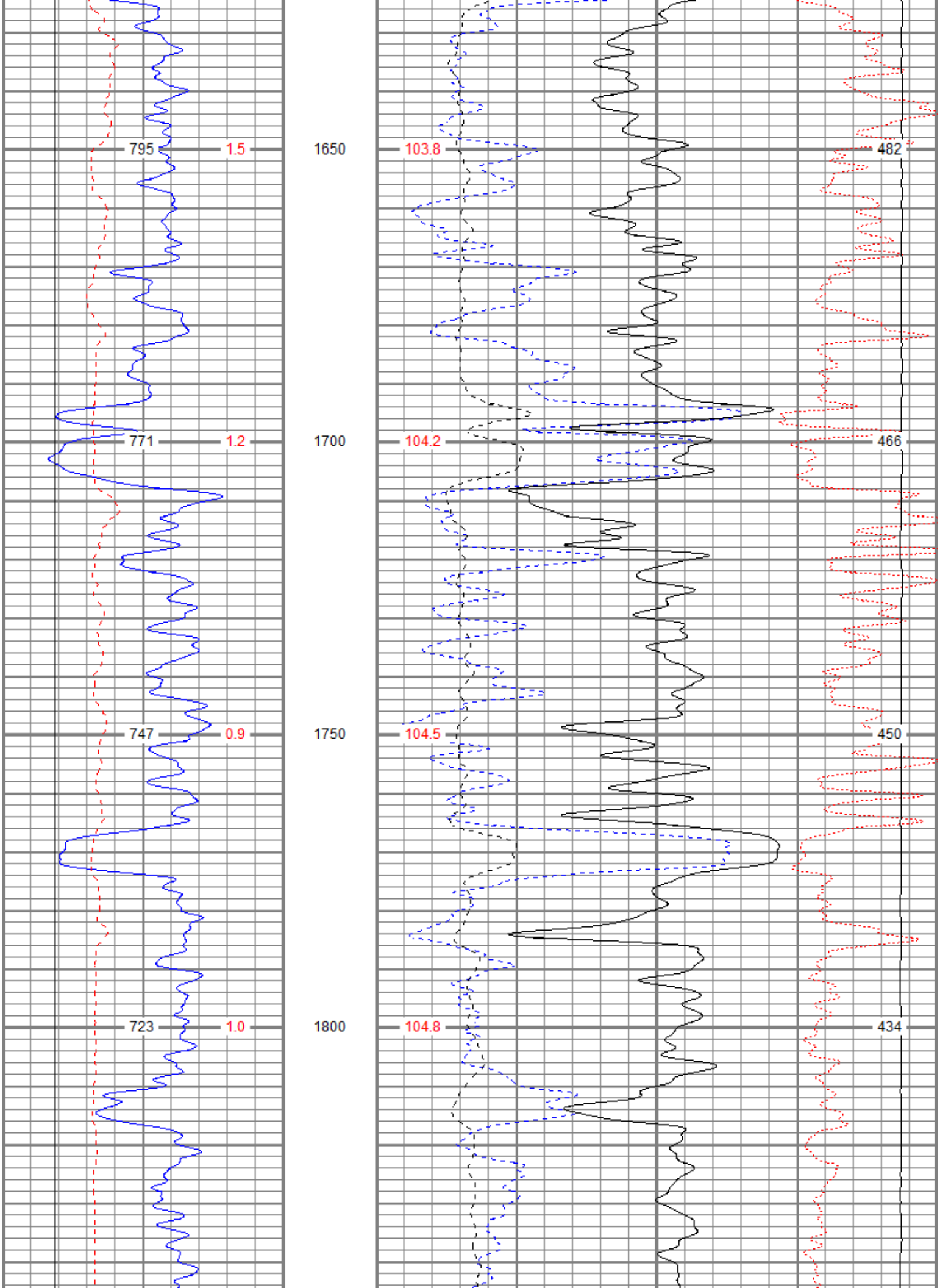
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1650
103.8
482
771
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466
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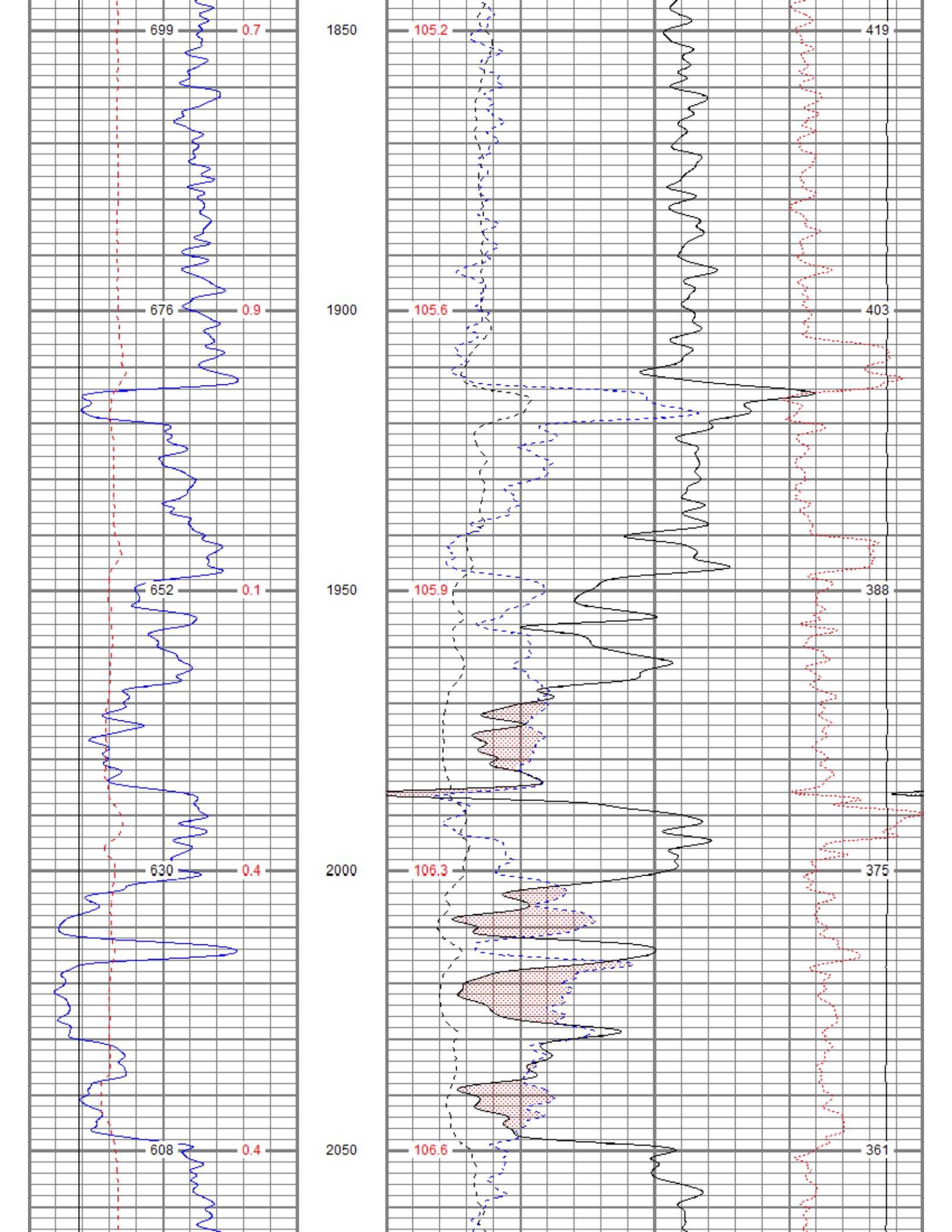
723
1.0
1800
104.8
434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105.2
419
676
0.9
1900
105.6
403
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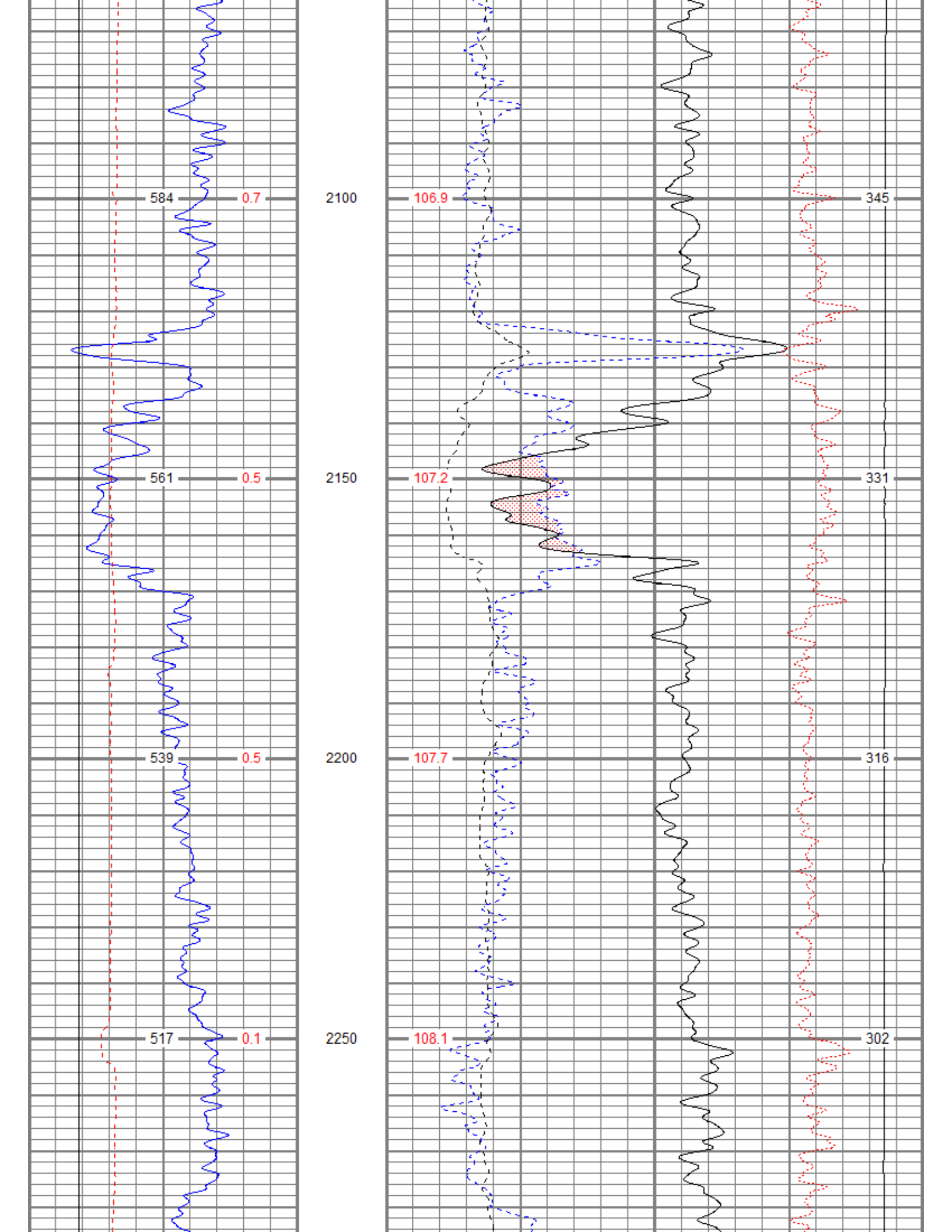
1950
105.9
388
630
0.4
2000
106.3
375
608
0.4
2050
106.6
361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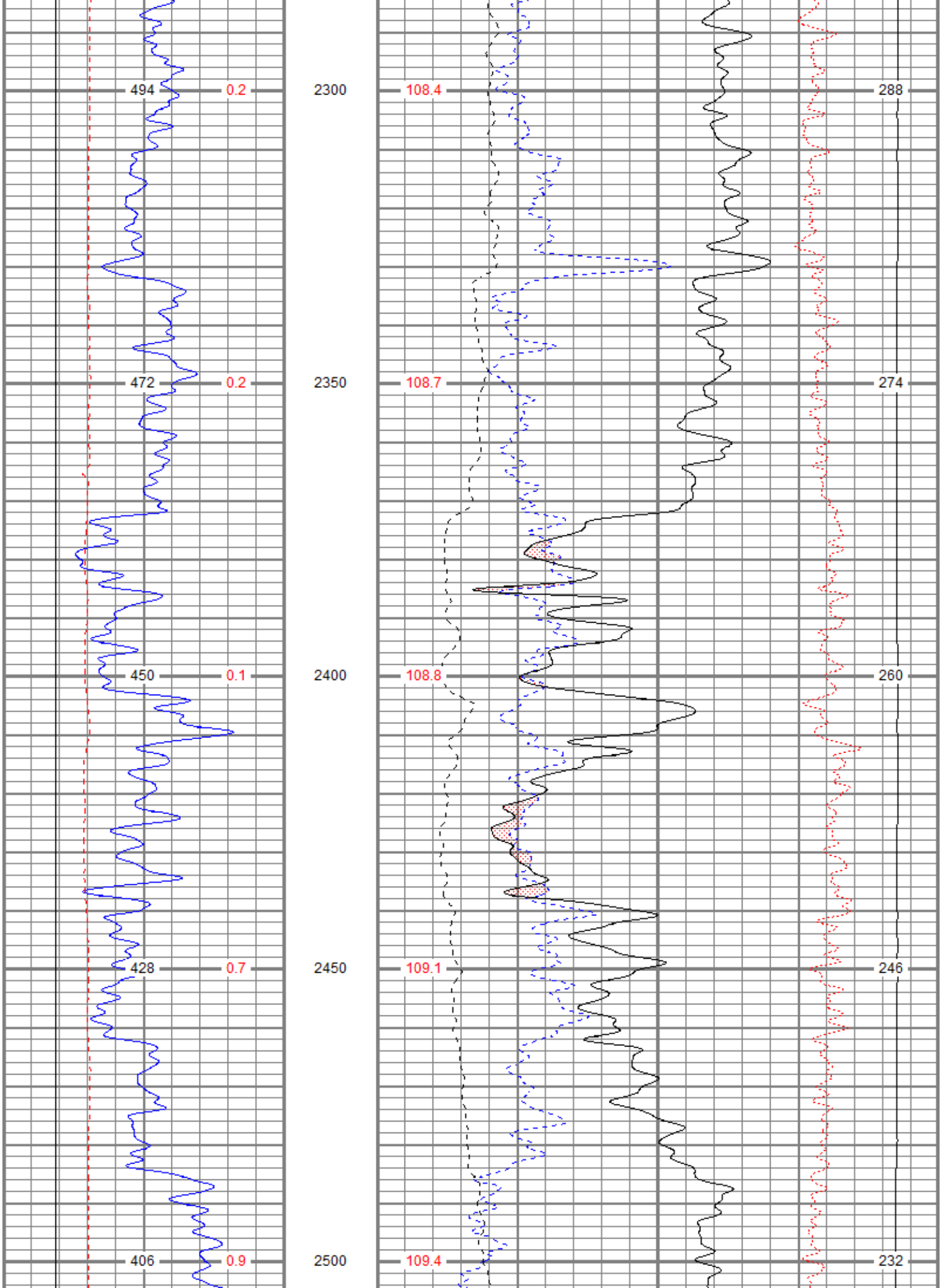
316
517
0.1
2250
108.1
302


494
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2300
108.4
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472
0.2
2350
108.7
274
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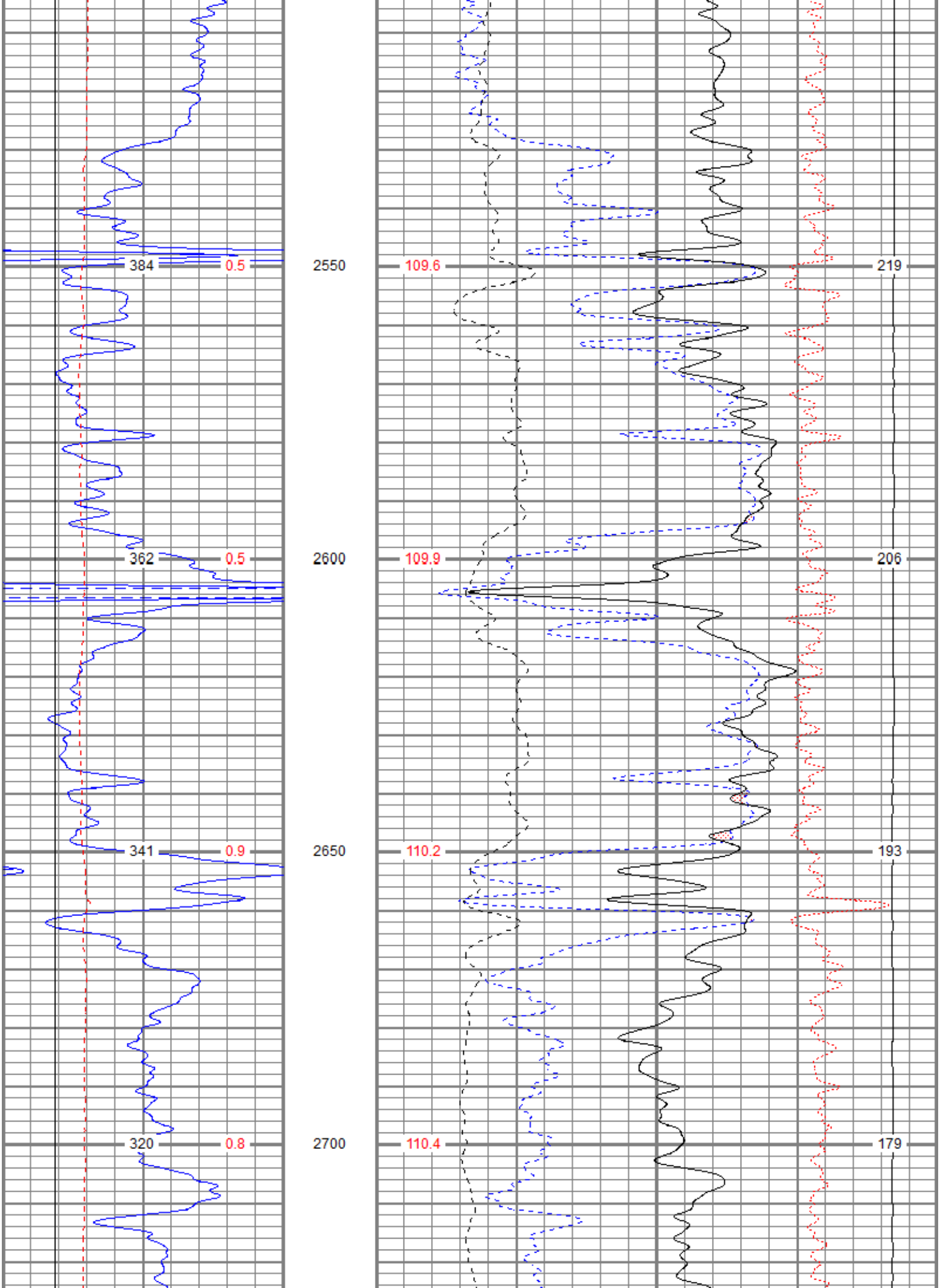
246
406
0.9
2500
109.4
232


384
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2550
109.6
219
362
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2600
109.9
206
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193
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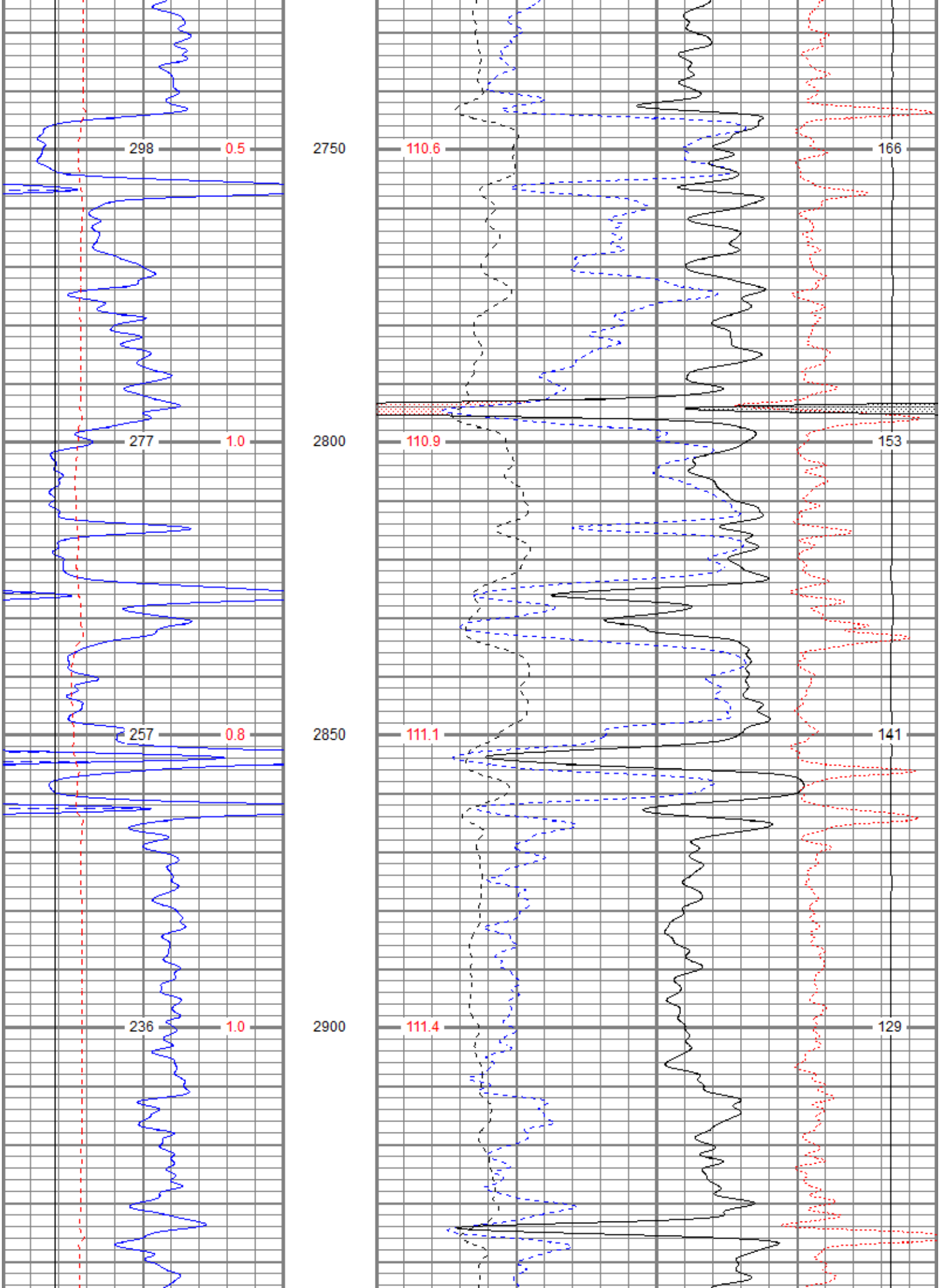
0.8
2700
110.4
179


298
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110.6
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153
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2850
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141
236
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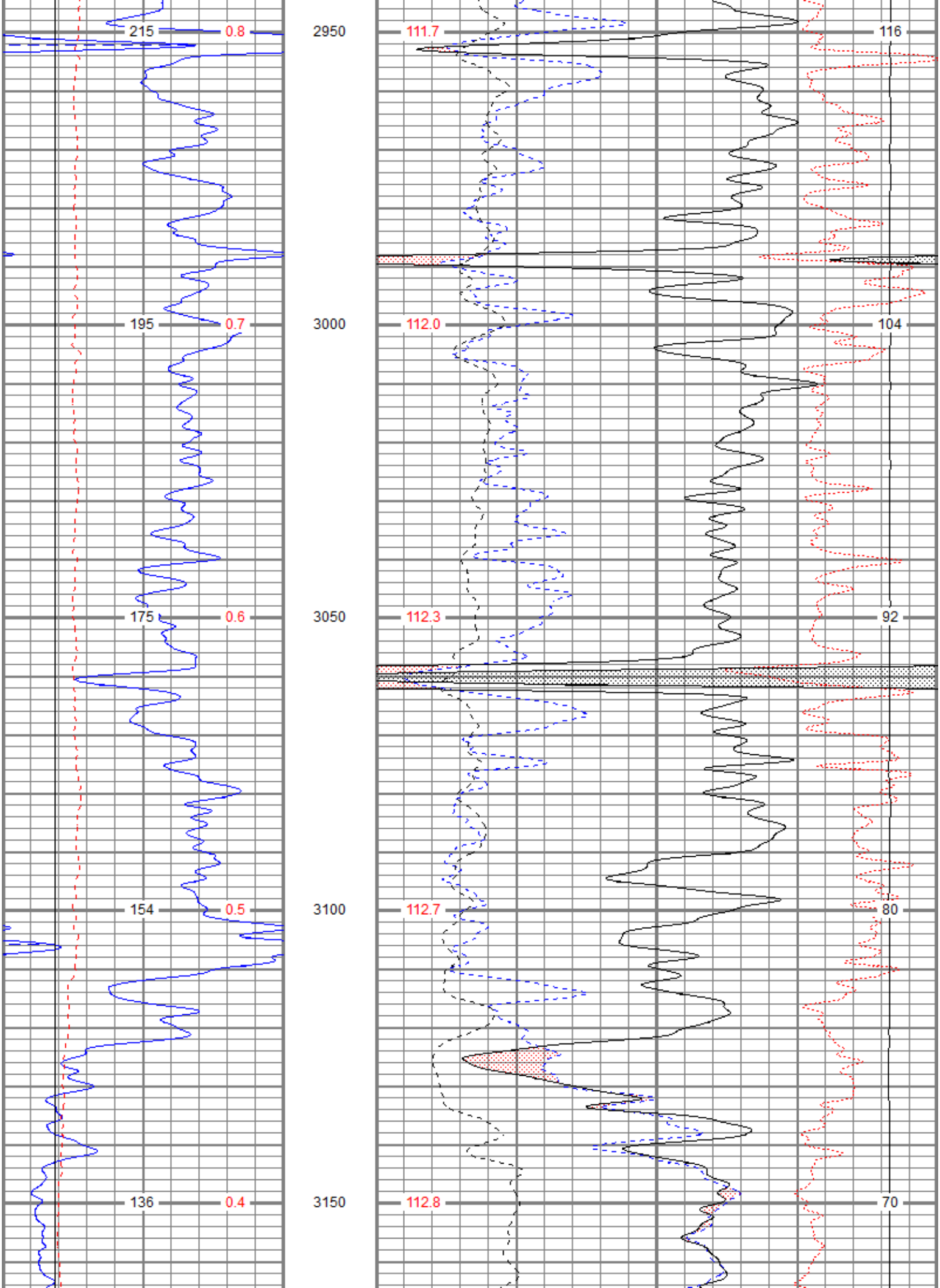
2900
111.4
129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111.7
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195
0.7
3000
112.0
104
175
0.6
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112.3
92
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80
136
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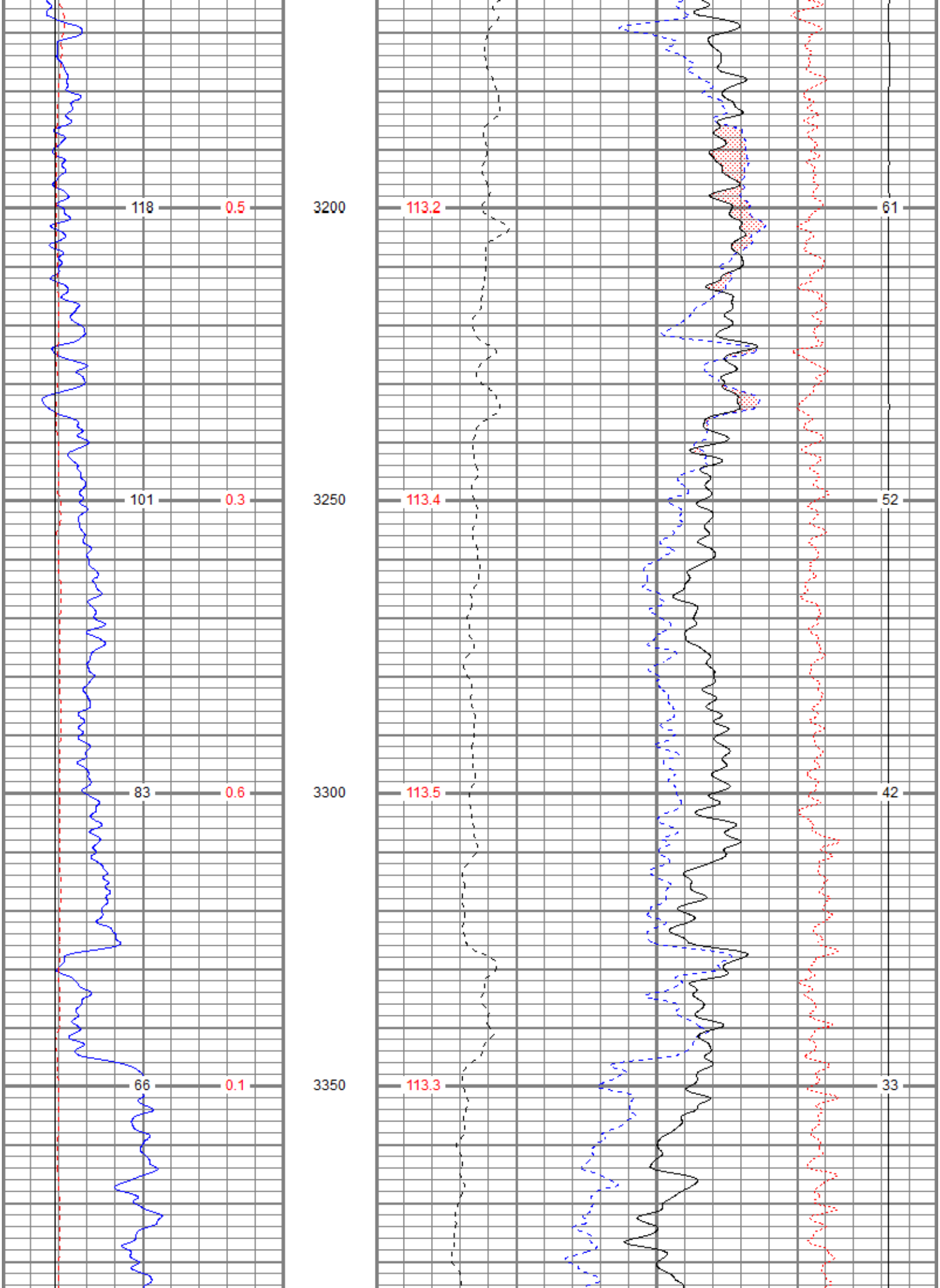
3150
112.8
70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3200
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101
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83
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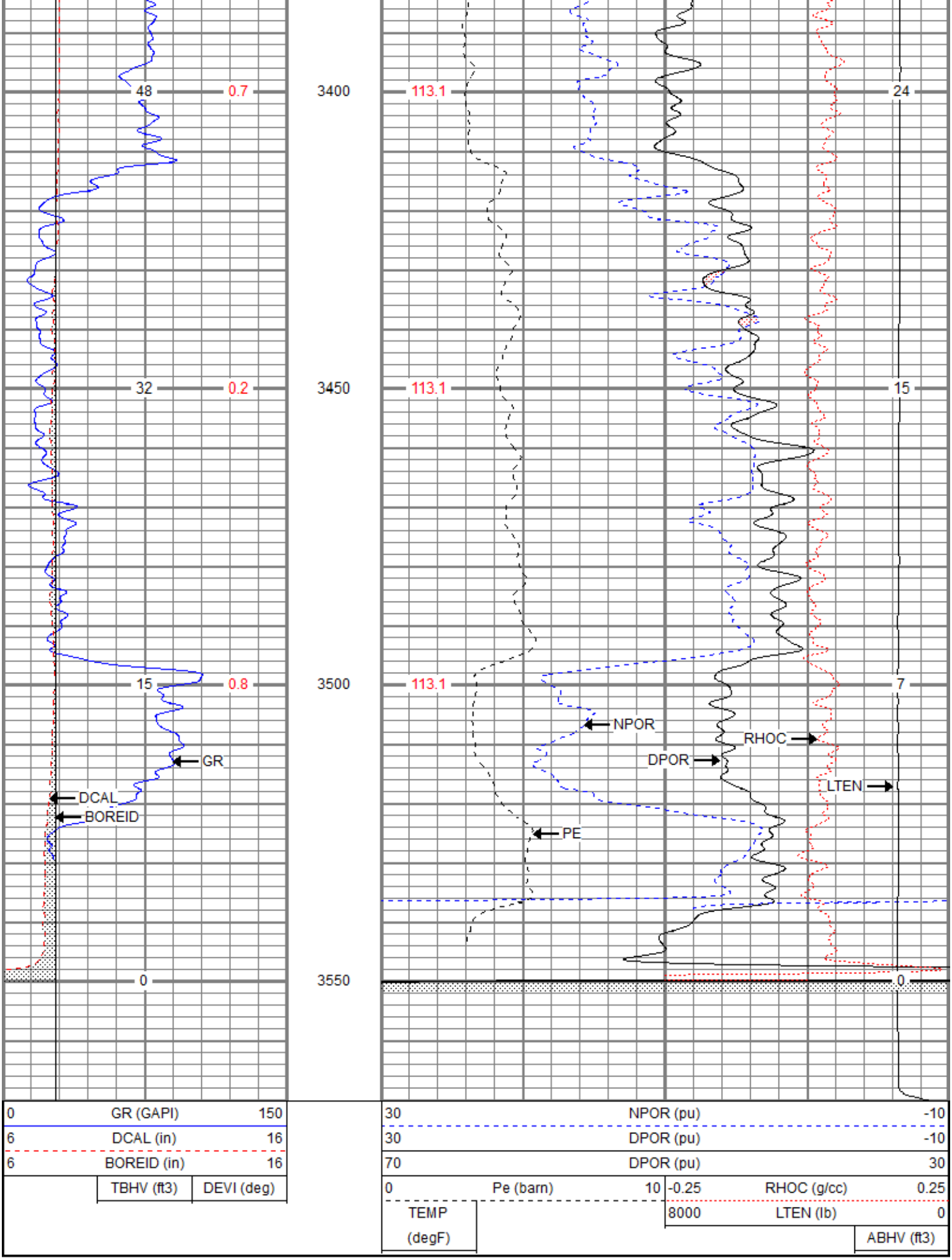
3300
113.5
42
66
0.1
3350
113.3
33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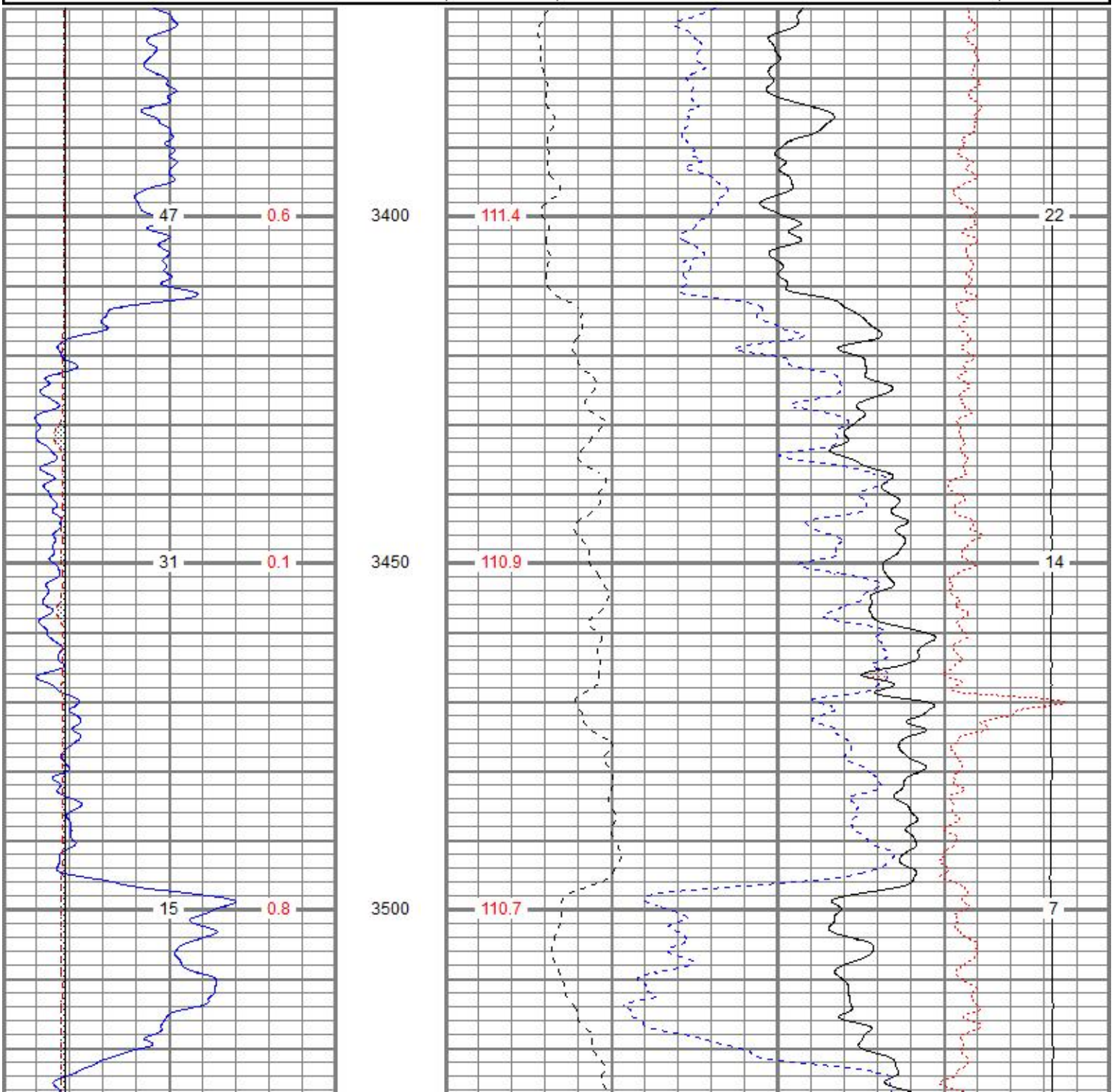
0.7
32
0.2
15
0.8
0
3400
3450
3500
3550
113.1
24
15
7
0
NPOR
RHOC
DPOR
LTEN
PE
GR
DCAL
BOREID
0 GR (GAPI) 150
6 DCAL (in) 16
6 BOREID (in) 16
TBHV (ft3)
DEVI (deg)
30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
0 Pe (barn) 10
-0.25 RHOC (g/cc) 0.25
8000 LTEN (lb) 0
TEMP (degF)
ABHV (ft3)

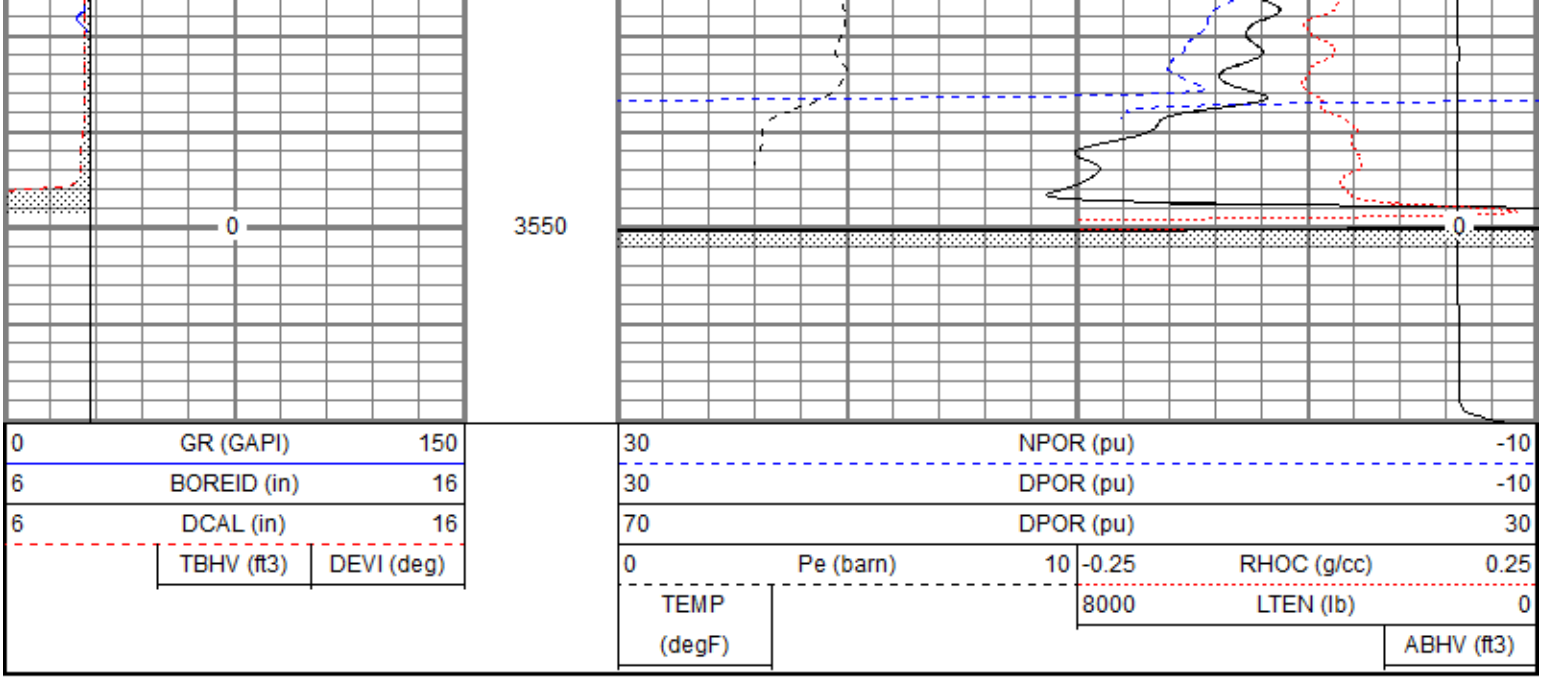
REPEAT SECTION

Database File	trocreed#34-1oh.db
Dataset Pathname	pass1.1
Presentation Format	digital_kcdnl
Dataset Creation	Sat Jun 03 00:31:48 2017
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	BOREID (in)	16
6	DCAL (in)	16
	TBHV (ft3) / DEVI (deg)	

30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
0	Pe (barn) 10	-0.25 RHOC (g/cc) 0.25
TEMP (degF)		8000 LTEN (lb) 0
		ABHV (ft3)





Calibration Report

Database File trocreed#34-1oh.db
Dataset Pathname pass2.1
Dataset Creation Sat Jun 03 01:09:56 2017

Dual Induction Calibration Report

Serial-Model:	1989-ADM
Surface Cal Performed:	Fri Dec 09 04:19:59 2016
Downhole Cal Performed:	Fri Dec 09 04:20:05 2016
After Survey Verification Performed:	Fri Dec 09 04:20:08 2016

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.656	V	0.000	350.000	mmho/m	535.560	-1.118
Medium	0.003	0.745	V	0.000	400.000	mmho/m	538.828	-1.427
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.656	V	0.000	350.000	mmho/m	535.220	-1.003
Medium	0.003	0.745	V	0.000	550.000	mmho/m	741.357	-2.036

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.036	349.993	mmho/m	-0.114	350.108	mmho/m	1.001	-0.078
Medium	0.039	400.181	mmho/m	0.053	399.799	mmho/m	0.999	0.013
Shallow	2.503	0.015	V	500.000	2.000	Ohm-m	180.177	-4.046

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.036	349.993	mmho/m	1.001	-0.078
Medium	0.000	0.000	mmho/m	0.039	400.181	mmho/m	0.999	0.013
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number:	Admyr	
Tool Model:	G	
Performed:	Thu Mar 09 09:56:12 2017	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Gamma Ray Calibration Report

Serial Number:	1	
Tool Model:	A	
Performed:	Sat May 13 11:32:18 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps

Temperature Calibration Report

Serial Number:	1			
Tool Model:	A			
Performed:	Sat Apr 09 21:14:20 2016			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	32.00	degF	32.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

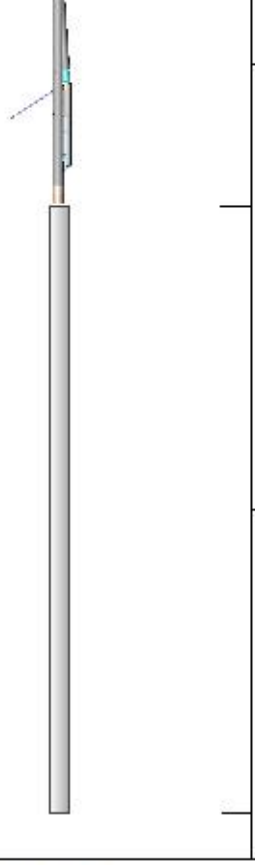
Inclinometer Calibration Report

Performed: Thu Mar 09 10:44:26 2017

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	38.32		CHD-STD	0.50	1.69	1.00
TEMP	35.35		ADT1PULSE-A (1) Pulsed Interface Tool #1	0.83	3.50	10.00
PSTAT	35.06					
ASTAT	35.06		ADT1ADC-A (1) Analog Interface #1	0.83	3.50	10.00
GRD	34.81					
ACCY	34.65		ADT1SENSORS-A (1)	4.54	3.50	10.00
ACCX	34.65		NEU-G (Admyr) Gearhart Epithermal	5.65	3.50	85.00
SSTAT	34.65					
NEU	33.46					
LStat	22.54					
LS8	21.88					

LS7	21.88				
LS6	21.88		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
LS5	21.88					
LS4	21.88					
LS3	21.88					
LS2	21.88					
LS1	21.88					
LSV	21.88					
LSD	21.86					
SSV	21.67					
SS8	21.67					
SS7	21.67					
SS6	21.67		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
SS5	21.67					
SS4	21.67					
SS3	21.67					
SS2	21.67					
SS1	21.67					
DCAL	21.61					
SSD	21.27					
SP	10.60					
CILD	10.60					
CILM	6.89					
RLL3	1.70					
TR_Mon	0.00					



Dataset:	trocreed#34-1oh.db: field/well/run1/pass2.1
Total length:	39.69 ft
Total weight:	656.00 lb
O.D.:	4.00 in