



LITHO DENSITY NEUTRON LOG

Company Taos Resources Operating Company LLC

Well Webber # 34-2

Field Maddix North

County Cowley State Kansas

Location: API #: 15 035 24662

361' FNL & 1692' FWL

SEC 34 TWP 32S RGE 5E

Permanent Datum Ground Level Elevation 1290'
Log Measured From KB 5' AGL
Drilling Measured From KB

Other Services
DIL
BHC
ML

Elevation

K.B. 1295'
D.F. 1294'
G.L. 1290'

Date 12-11-16

Run Number One

Depth Driller 3552'

Depth Logger 3547'

Bottom Logged Interval 3551'

Top Log Interval 300'

Casing Driller 8 5/8" @ 259'

Casing Logger 259'

Bit Size 7 7/8"

Type Fluid in Hole Chemical

Density / Viscosity 9.4/45

pH / Fluid Loss 9.5/8.8

Source of Sample Pit

Rm @ Meas. Temp 1.95@85degf

Rmf @ Meas. Temp 1.56@85degf

Rmc @ Meas. Temp 2.5@85degf

Source of Rmf / Rmc Calculated

Rm @ BHT 1.49@111degf

Time Circulation Stopped 6:30 p.m.

Time Logger on Bottom 8:30 p.m.

Maximum Recorded Temperature 106degf

Equipment Number T127

Location Hays, KS

Recorded By L. Smith

Witnessed By Mr. Mike Pressnall

Comments

East of Winfield to 151st rd., 1 south, 1/2 east, south into



Main Pass

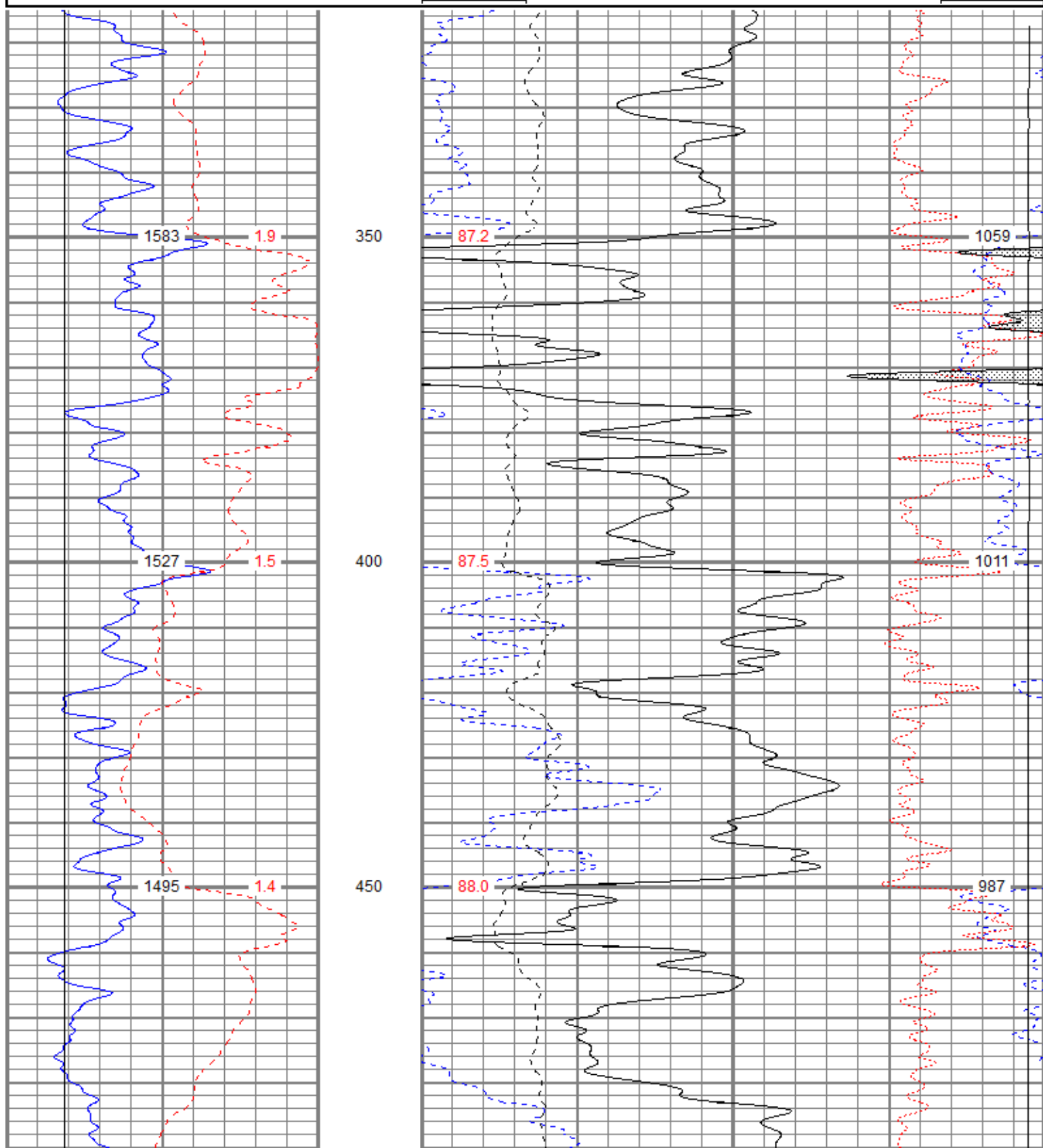
Database File taoswebber34-2oh.db
 Dataset Pathname pass2.1
 Presentation Format DIGITA~1
 Dataset Creation Sun Dec 11 22:36:56 2016
 Charted by Depth in Feet scaled 1:240

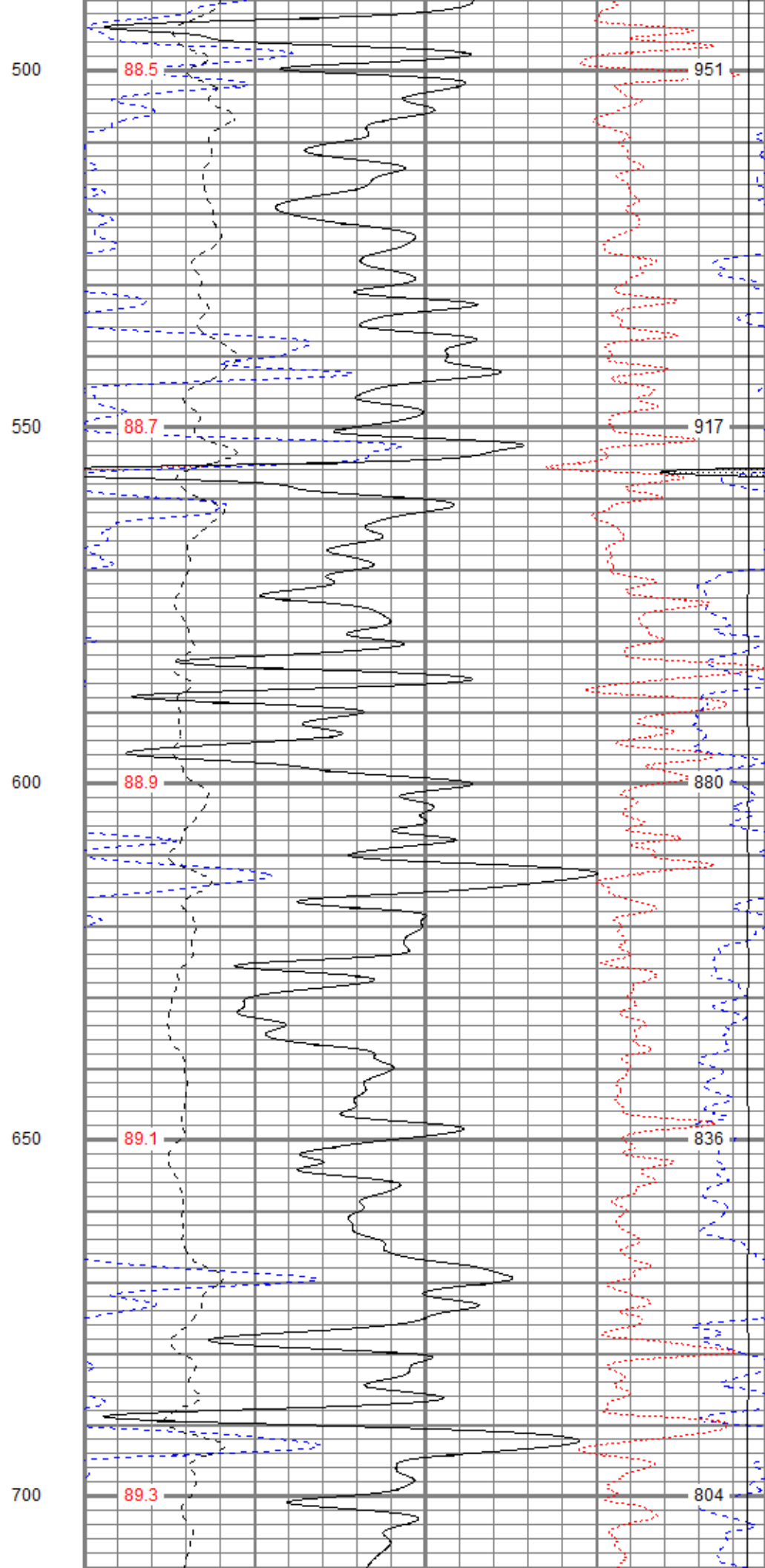
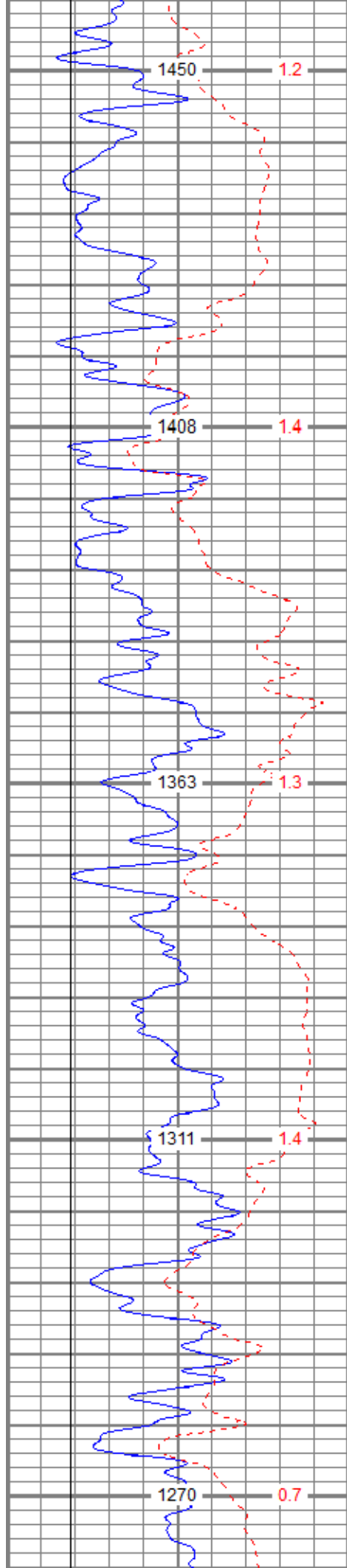
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16

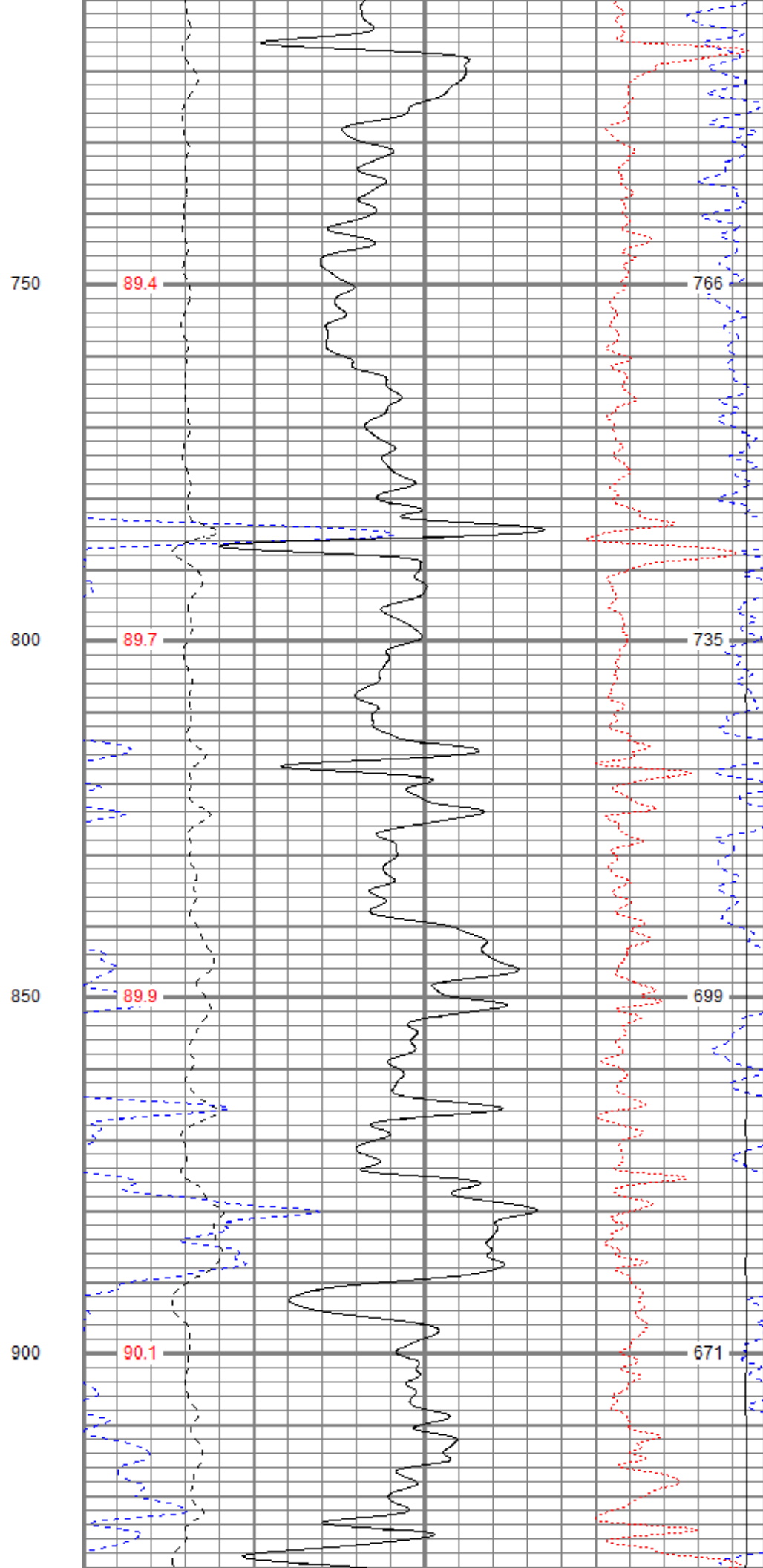
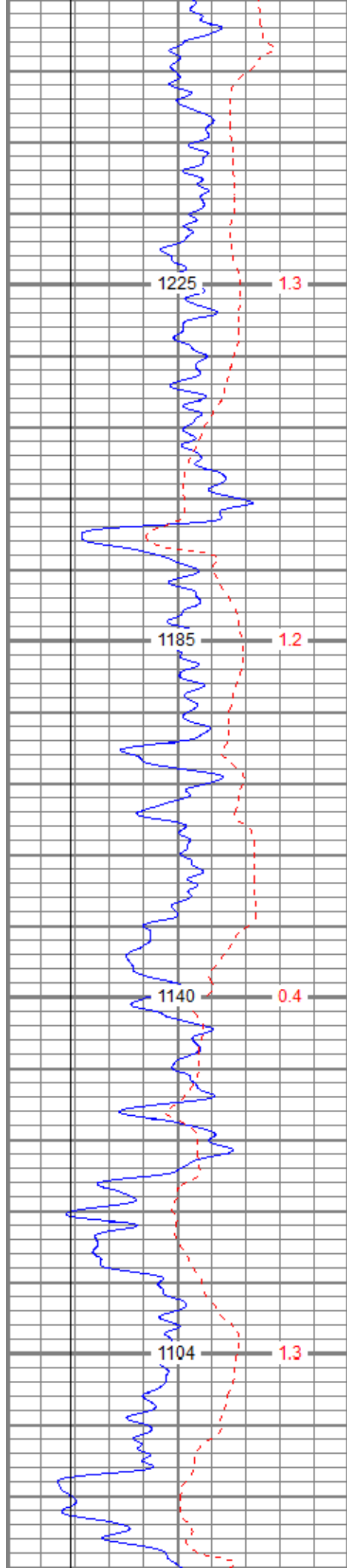
TBHV (ft3)	DEVI (deg)
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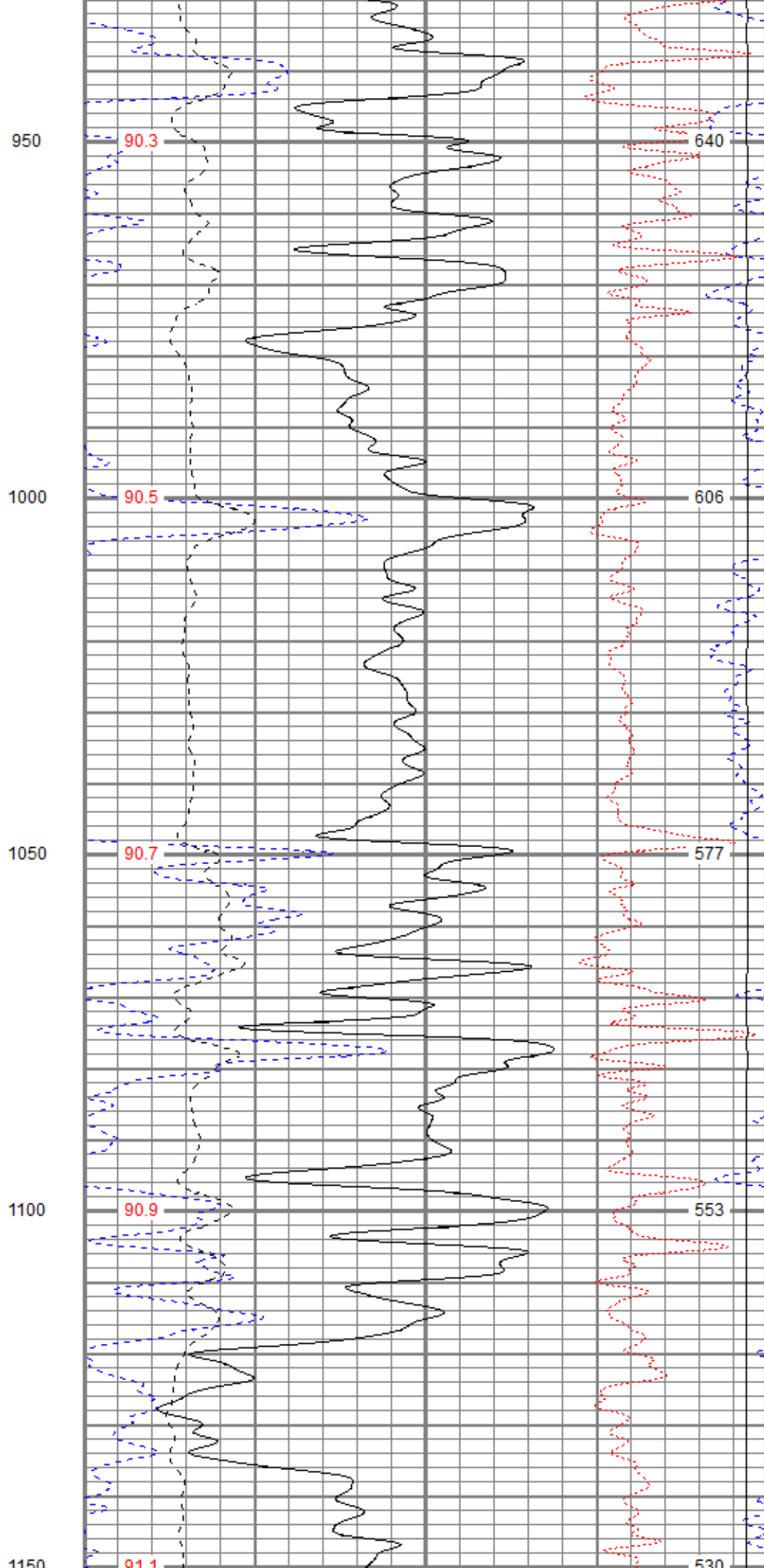
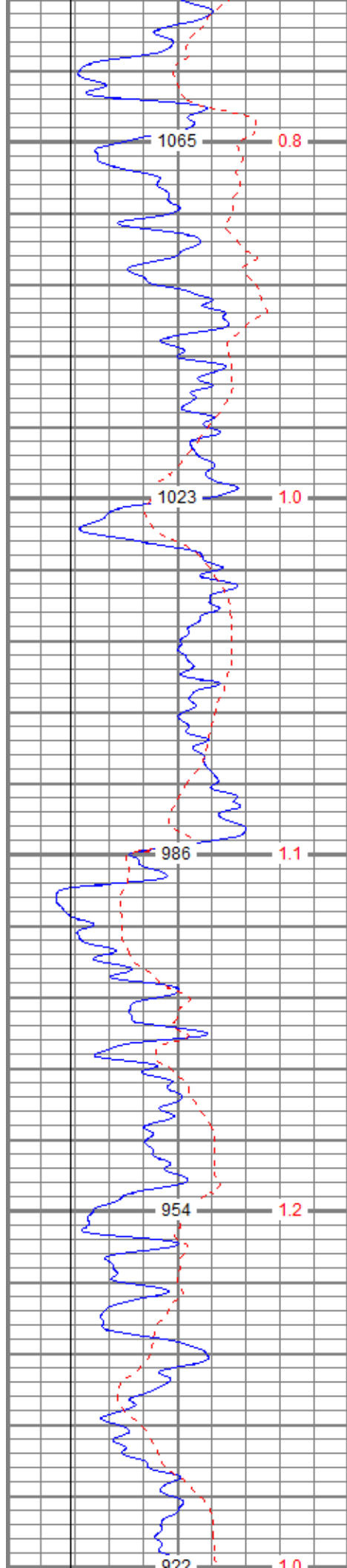
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

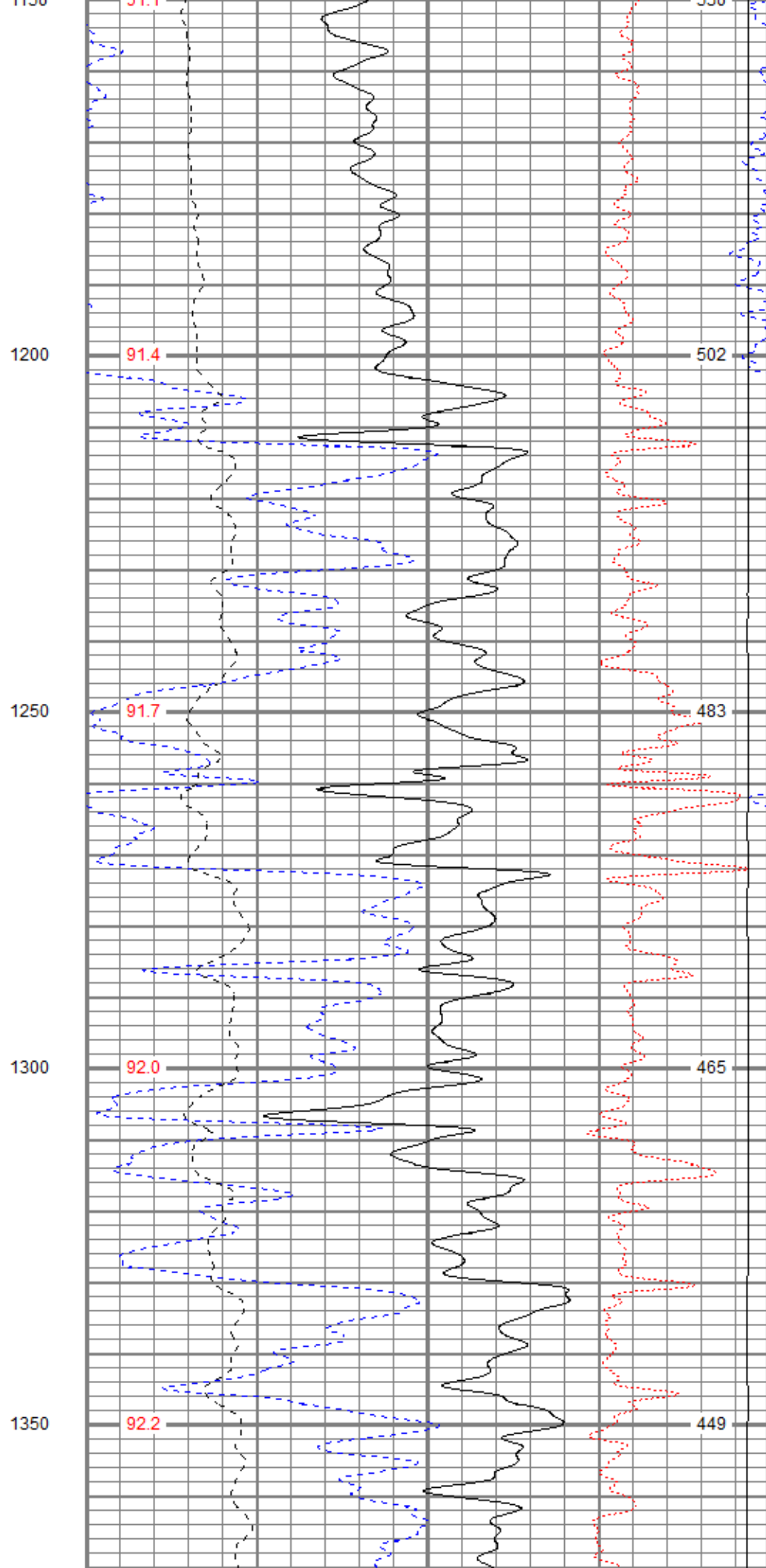
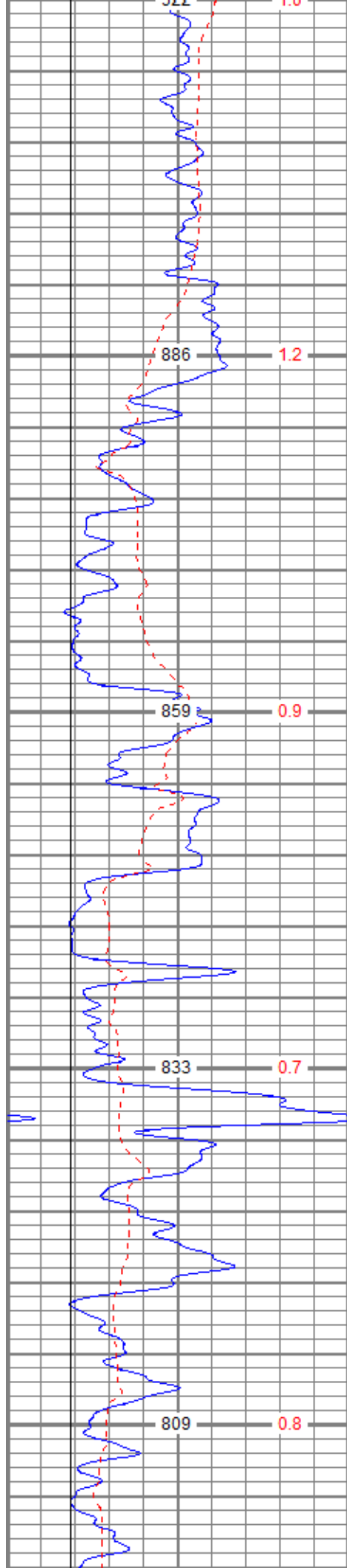
0	Pe (barn)	10	-0.25	RHOC (g/cc)	0.25
TEMP		8000		LTEN (lb)	0
(degF)					ABHV (ft3)

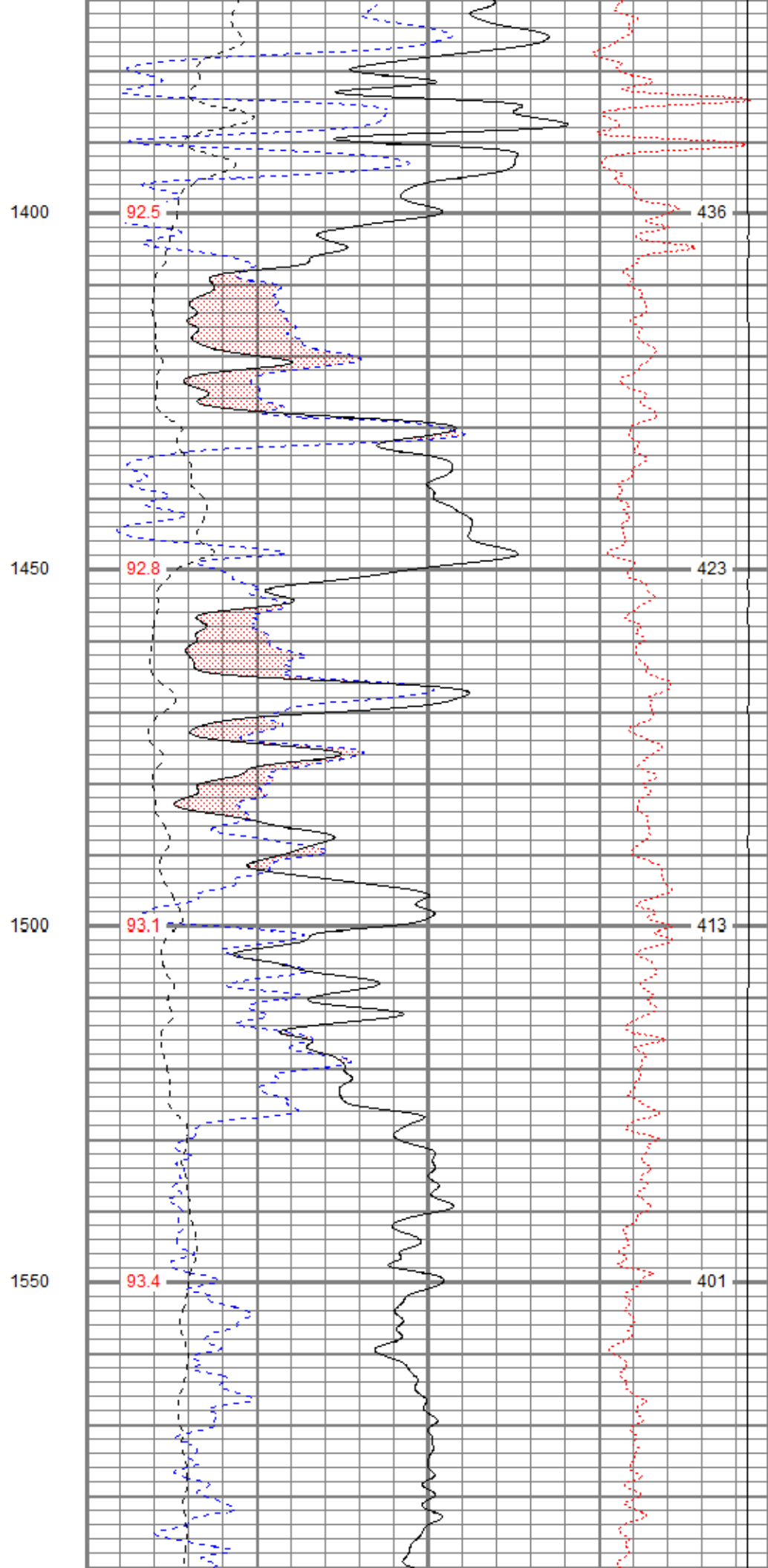
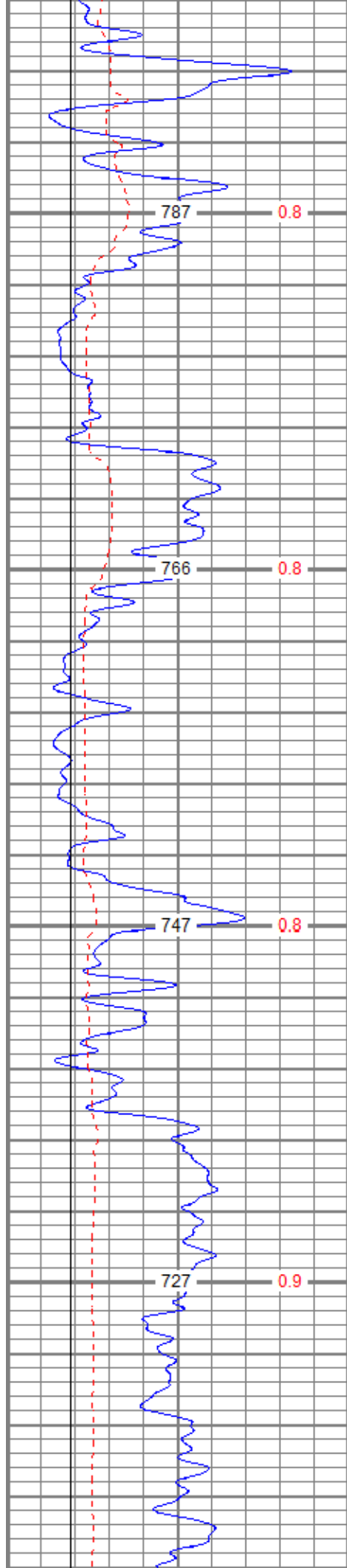


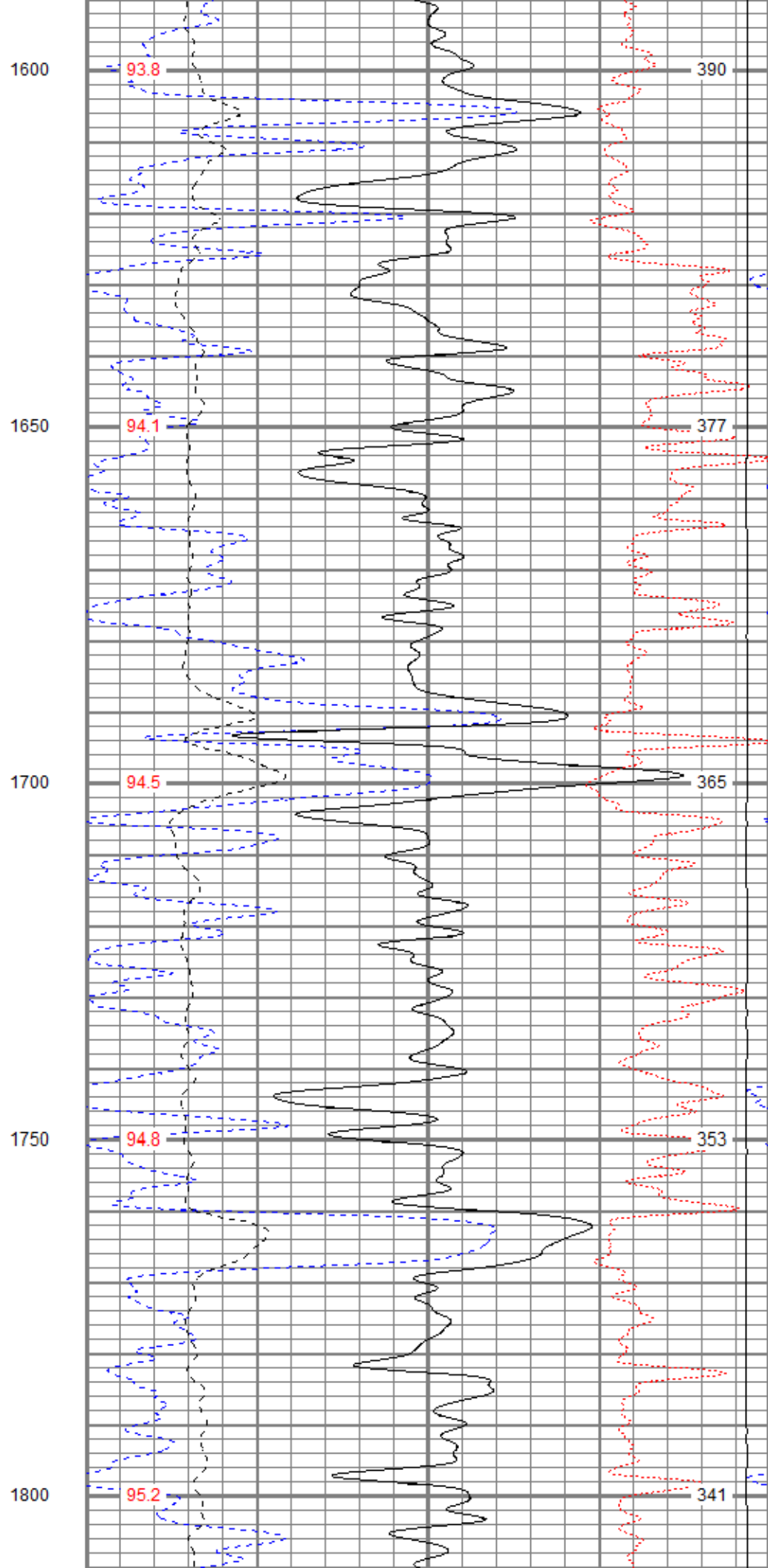
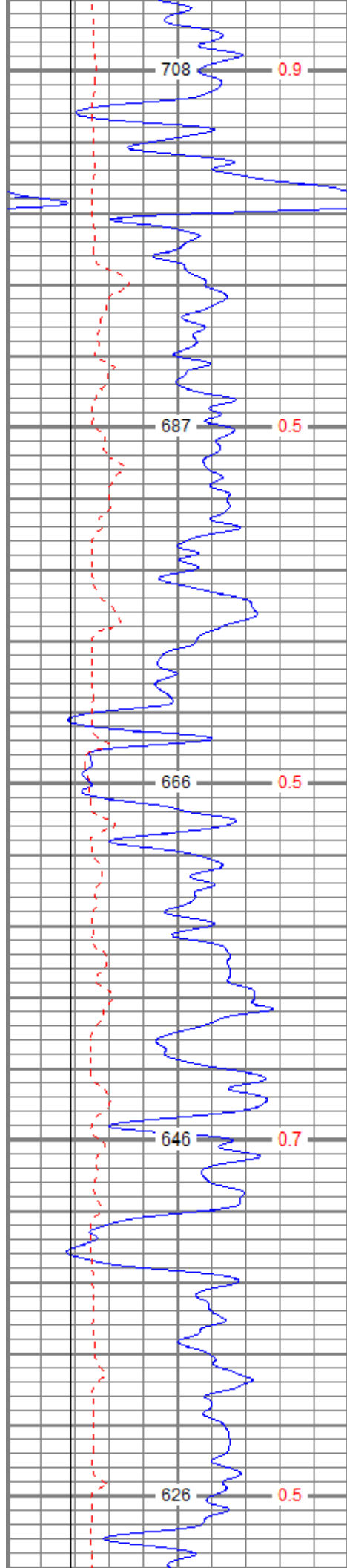


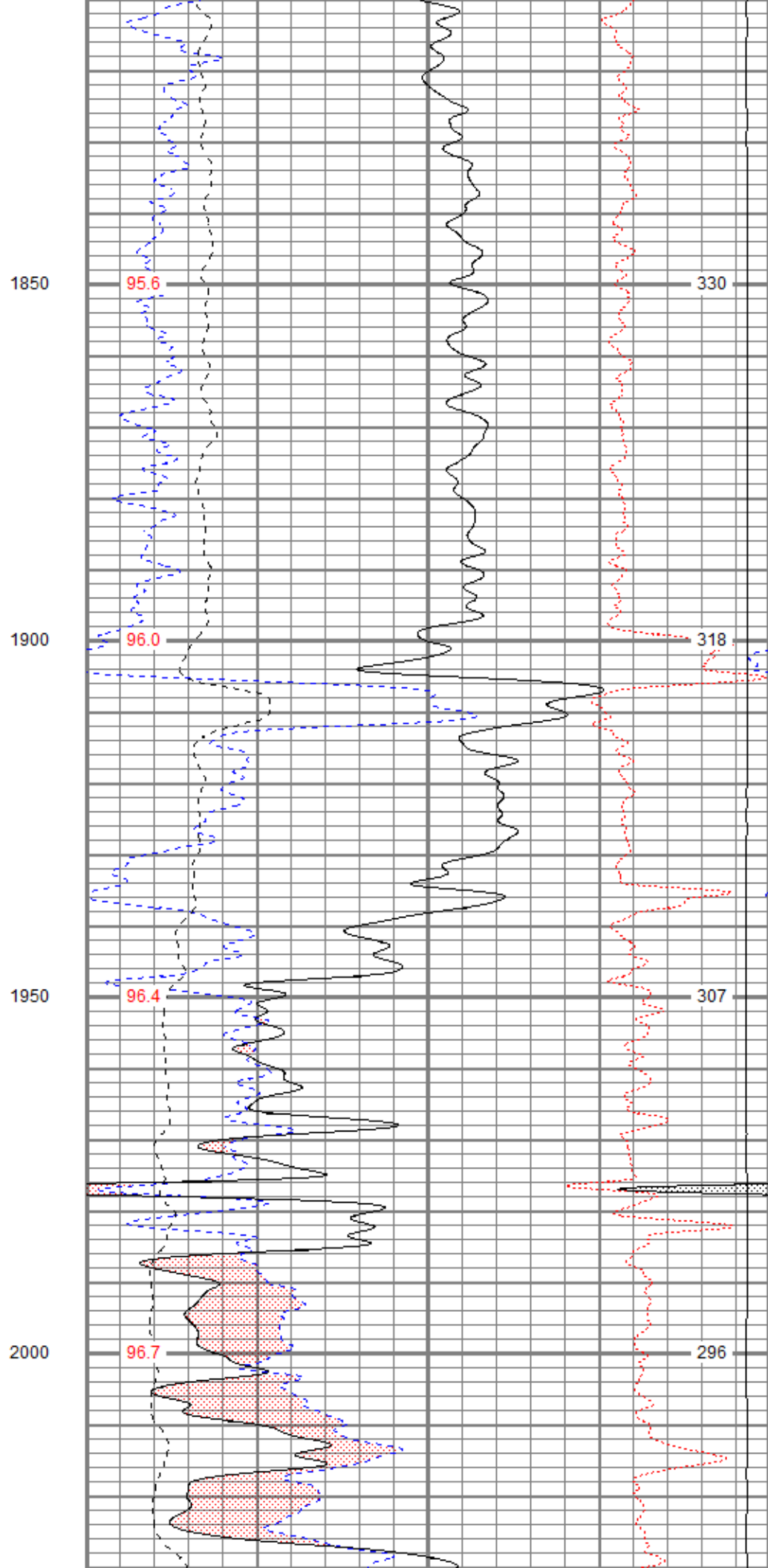
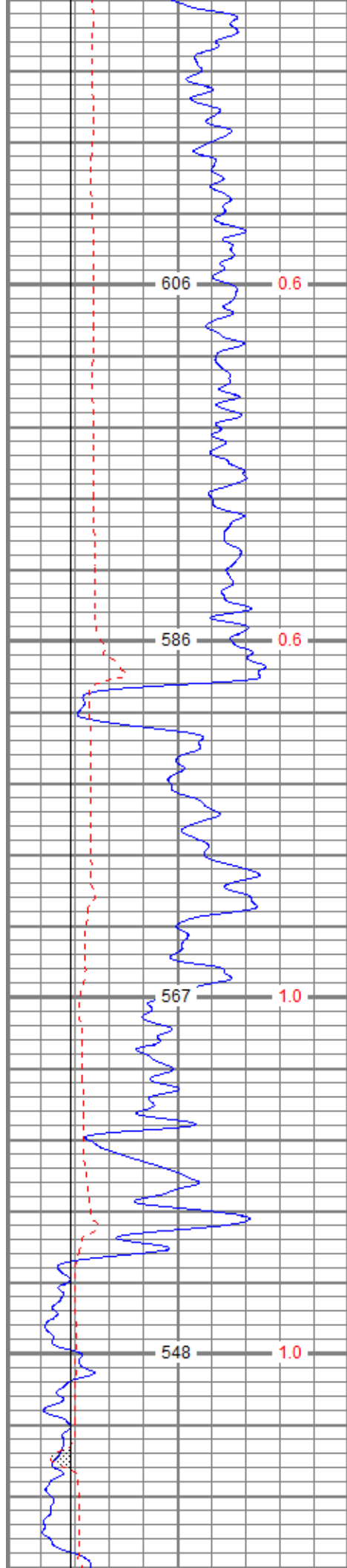


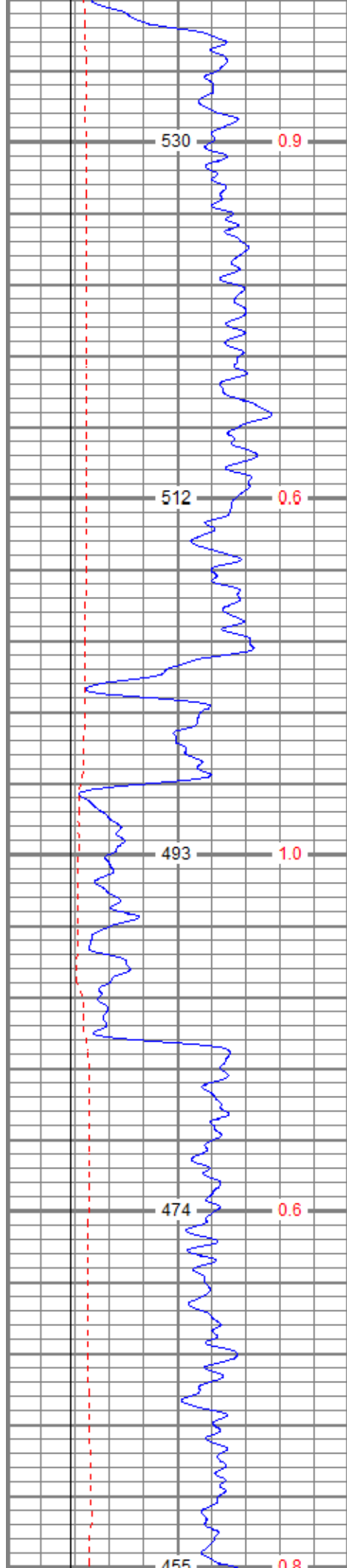












2050

2100

2150

2200

2250

97.1

97.4

97.7

98.2

98.6

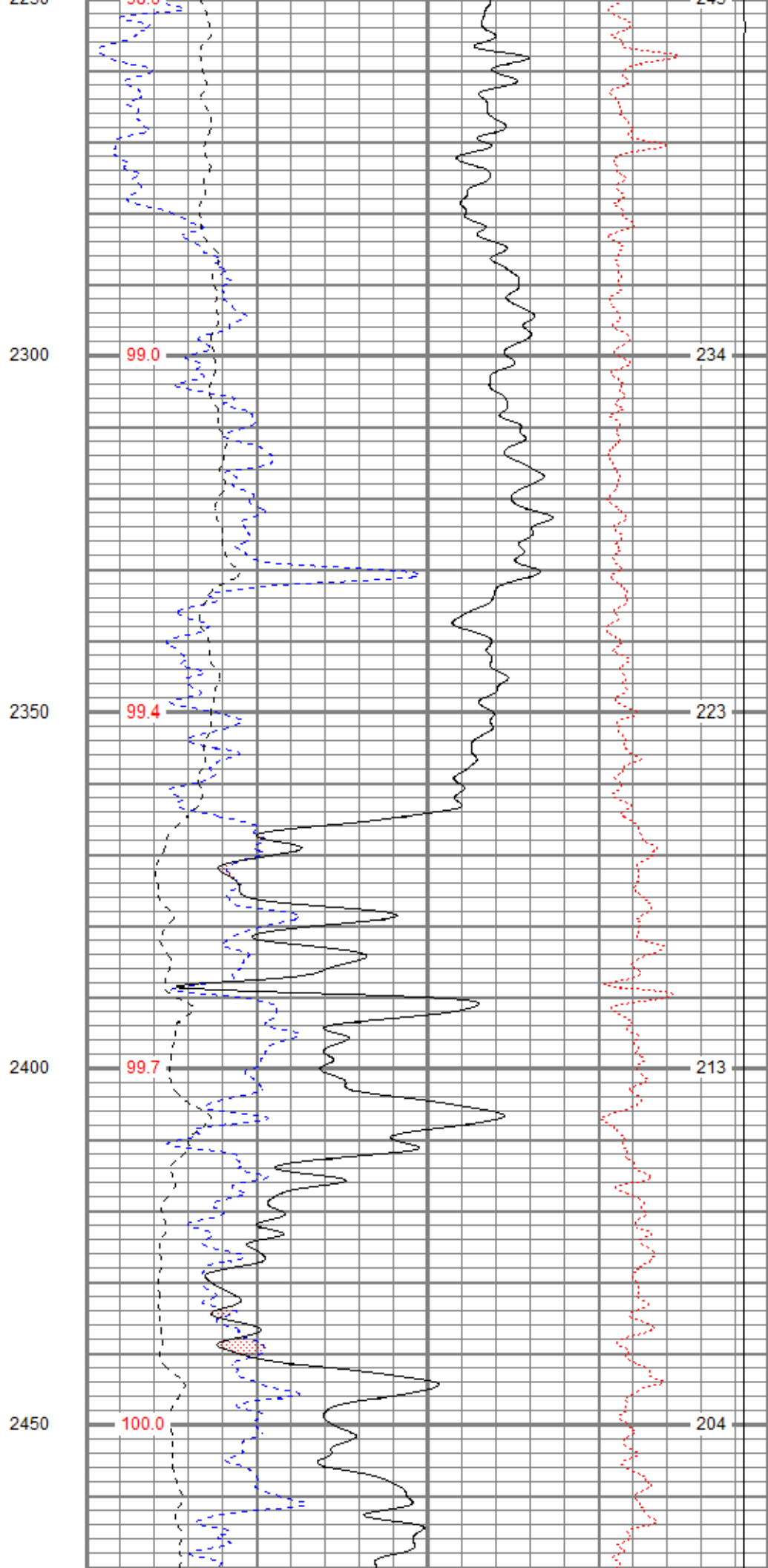
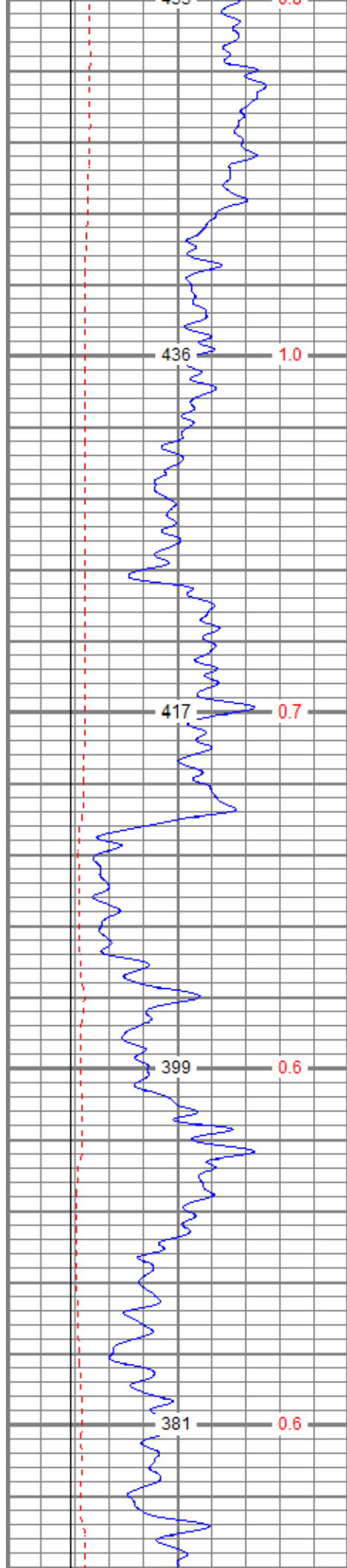
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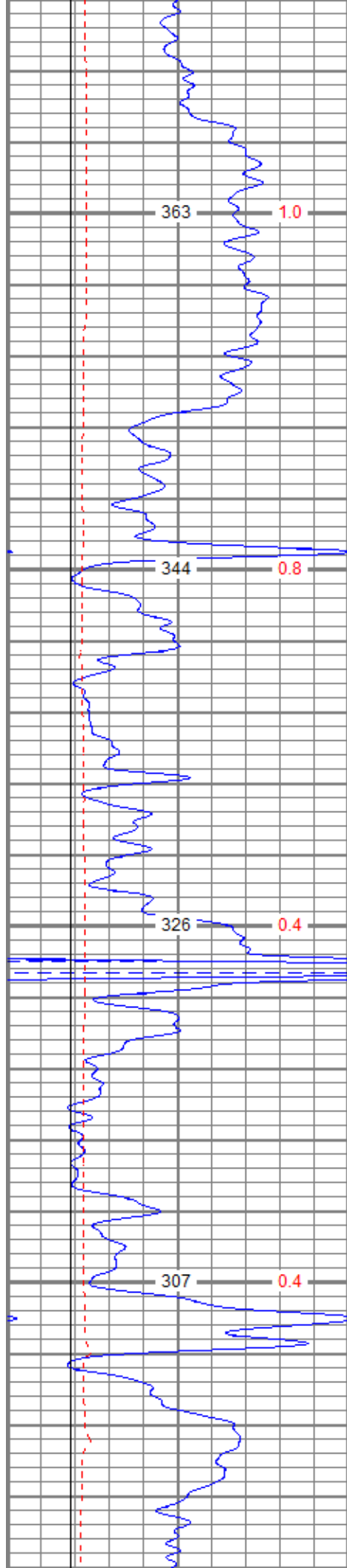
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266

256

245





2500

100.3

193

2550

100.6

183

2600

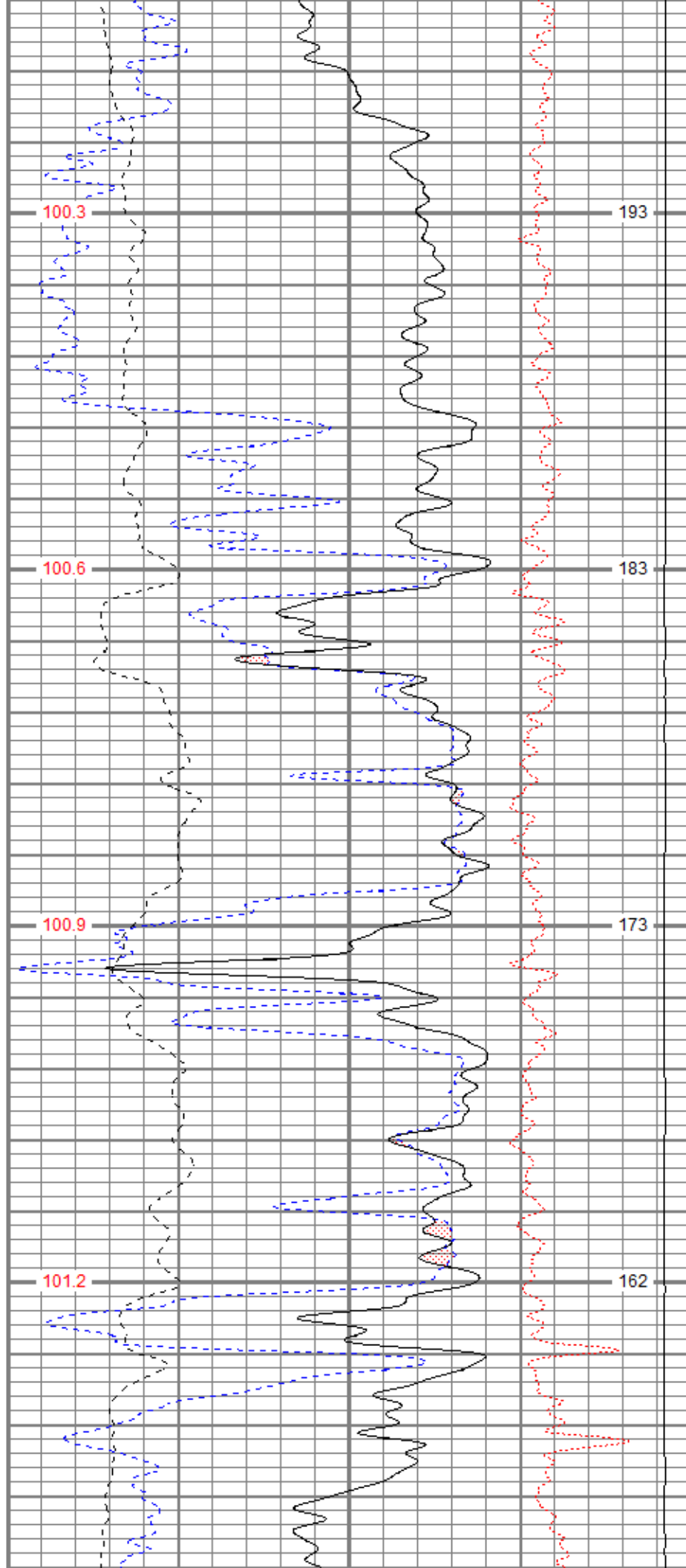
100.9

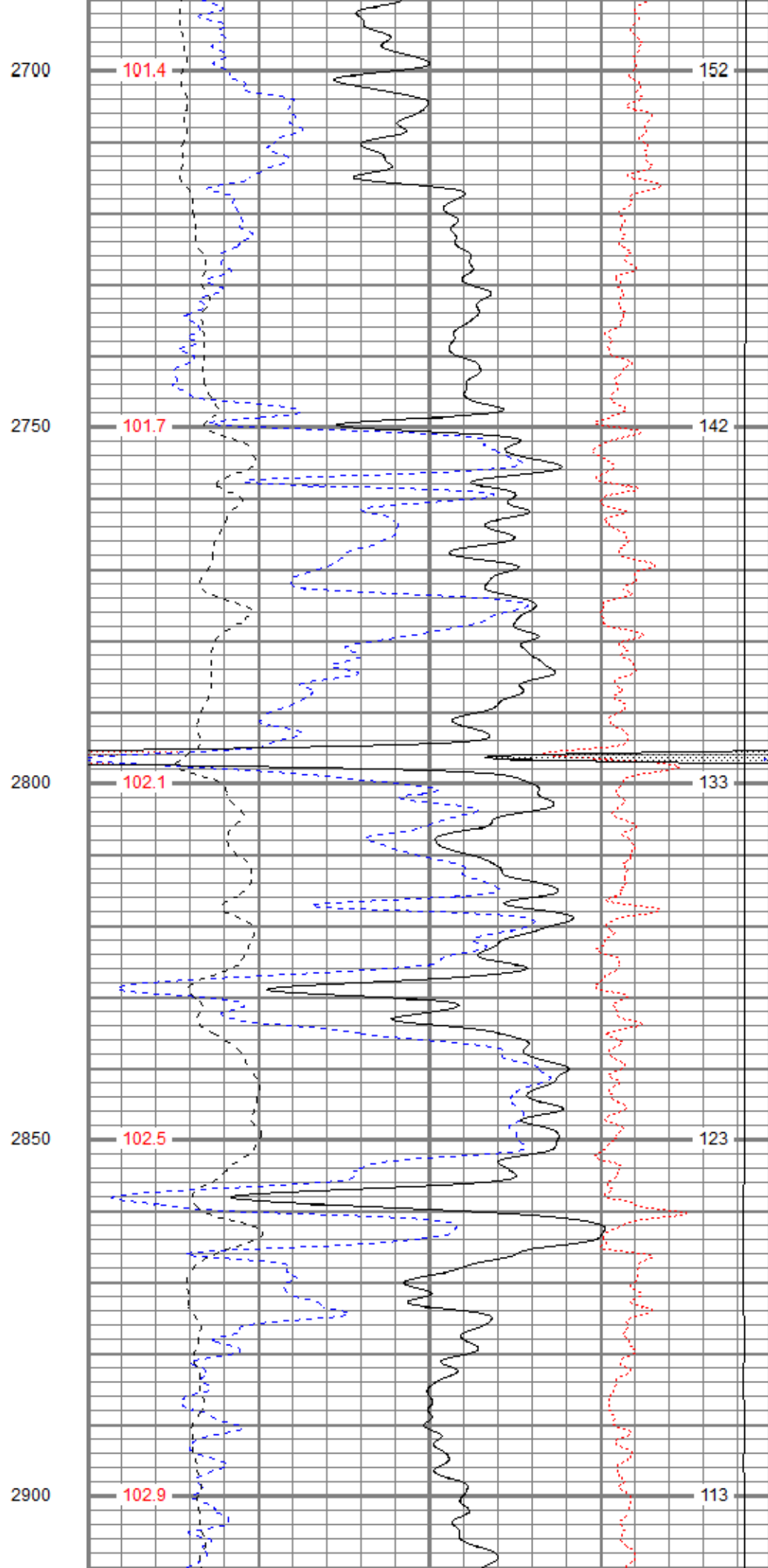
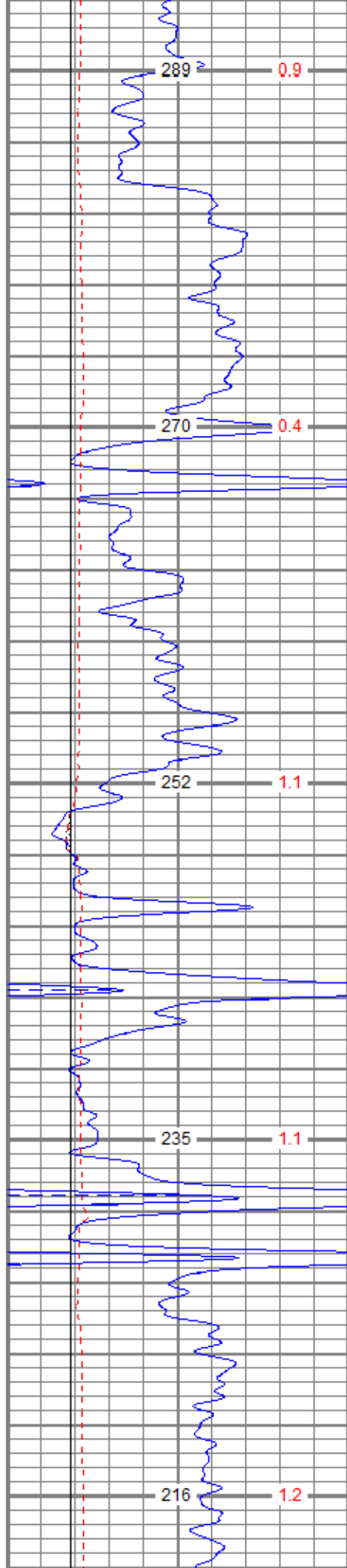
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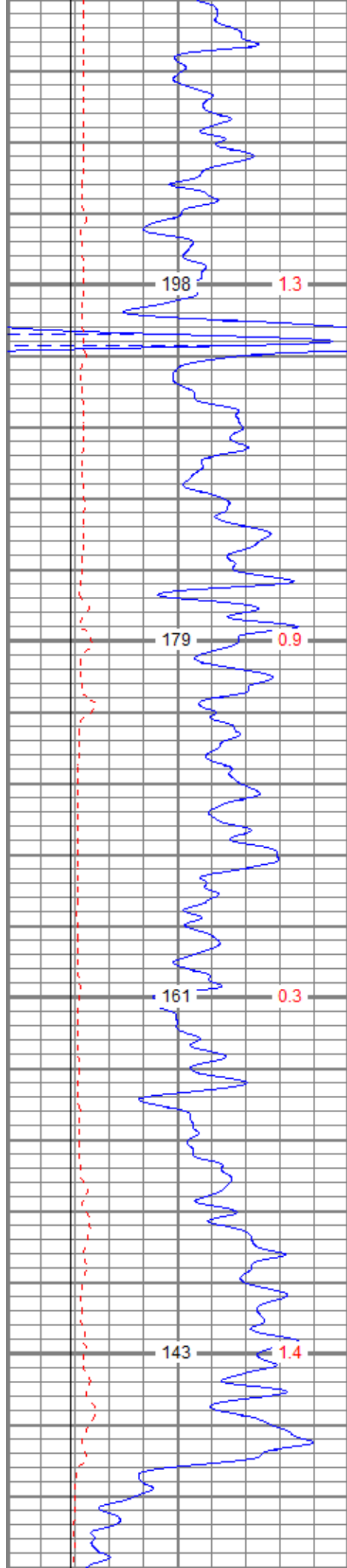
2650

101.2

162







2950

103.4

103

3000

103.8

93

3050

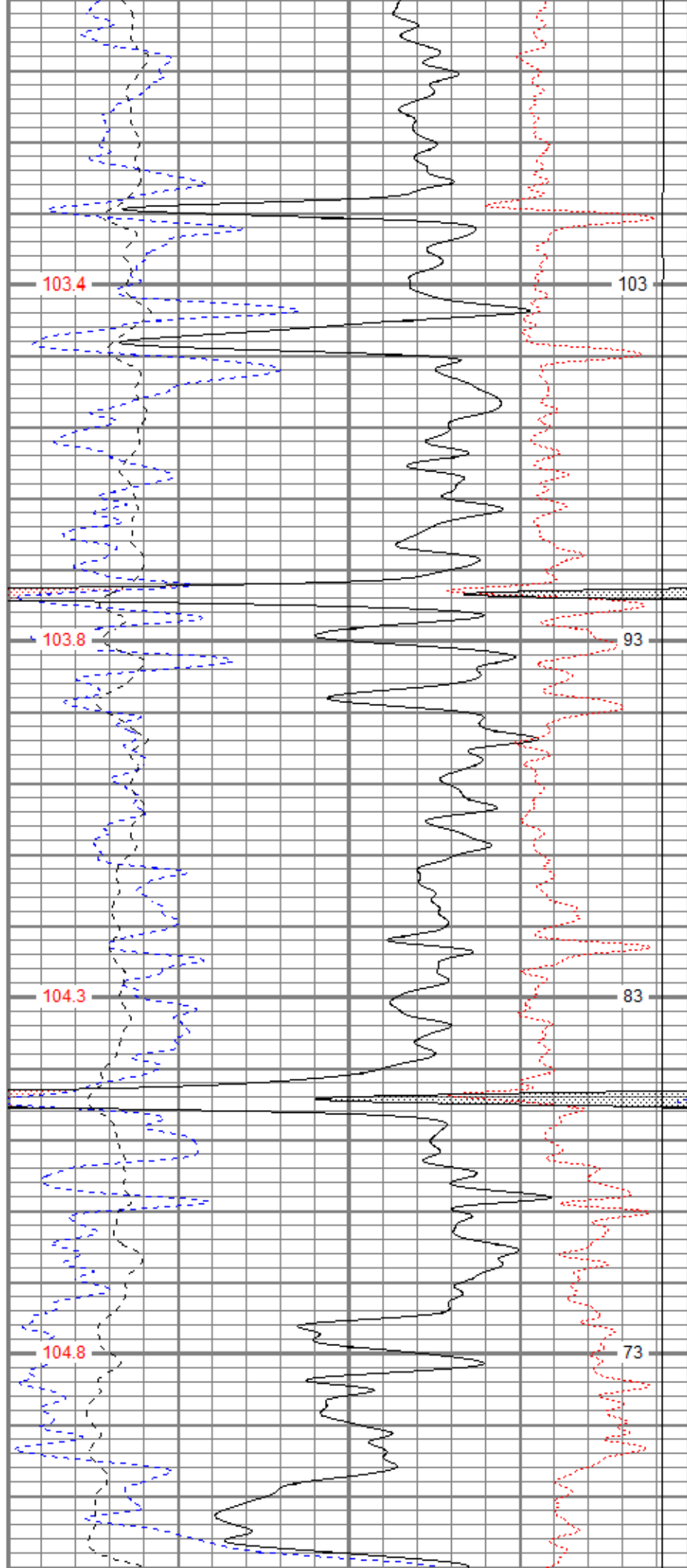
104.3

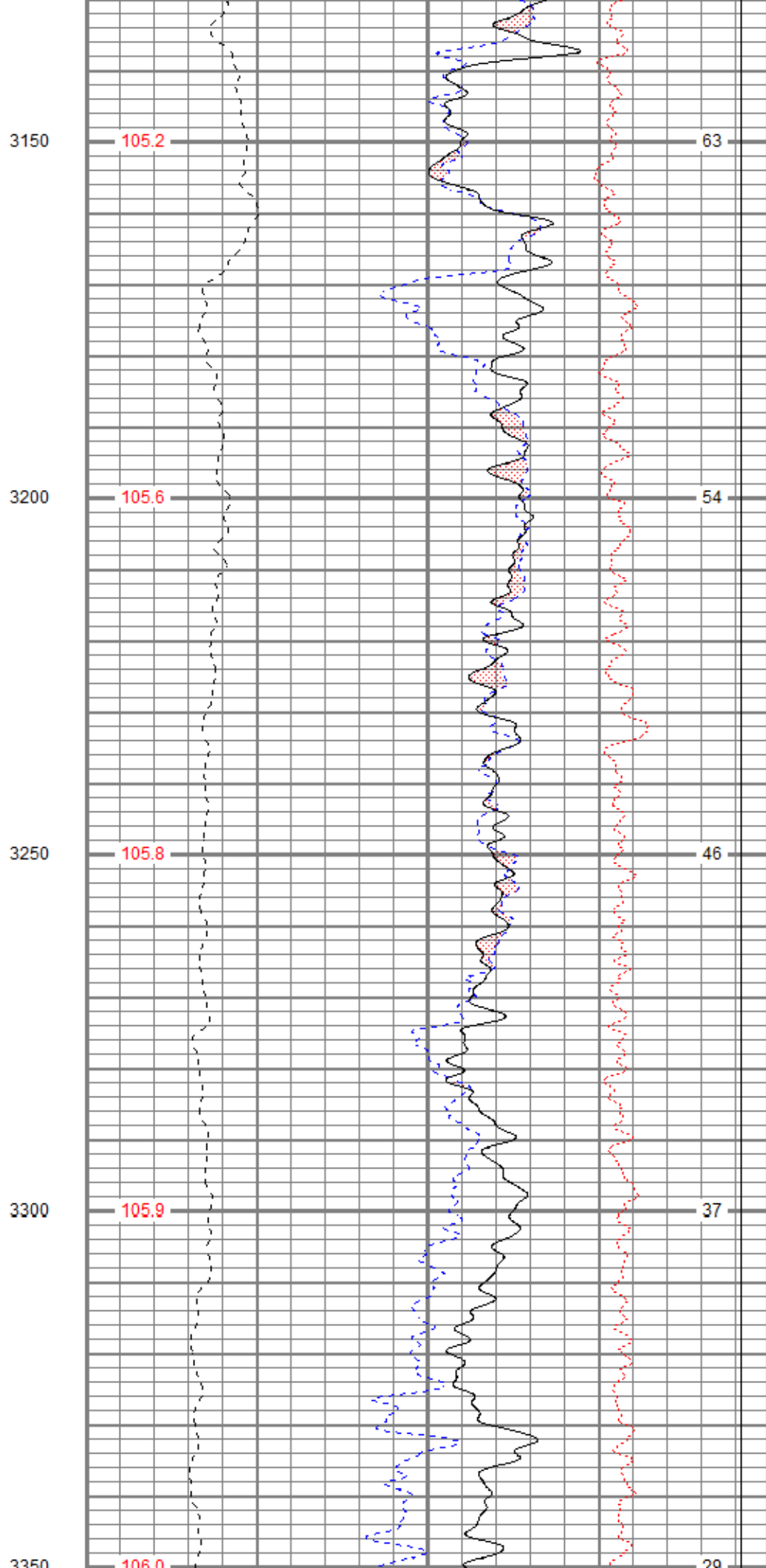
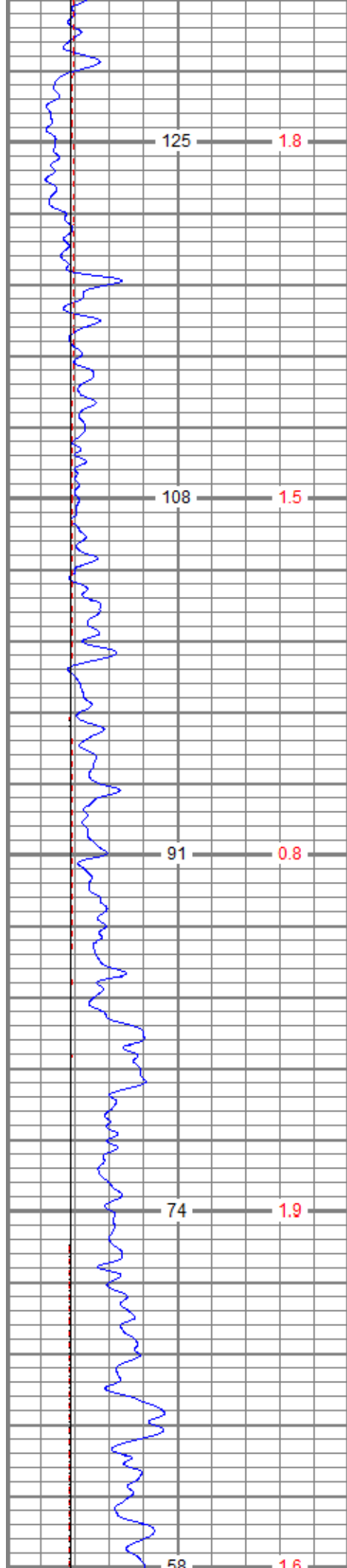
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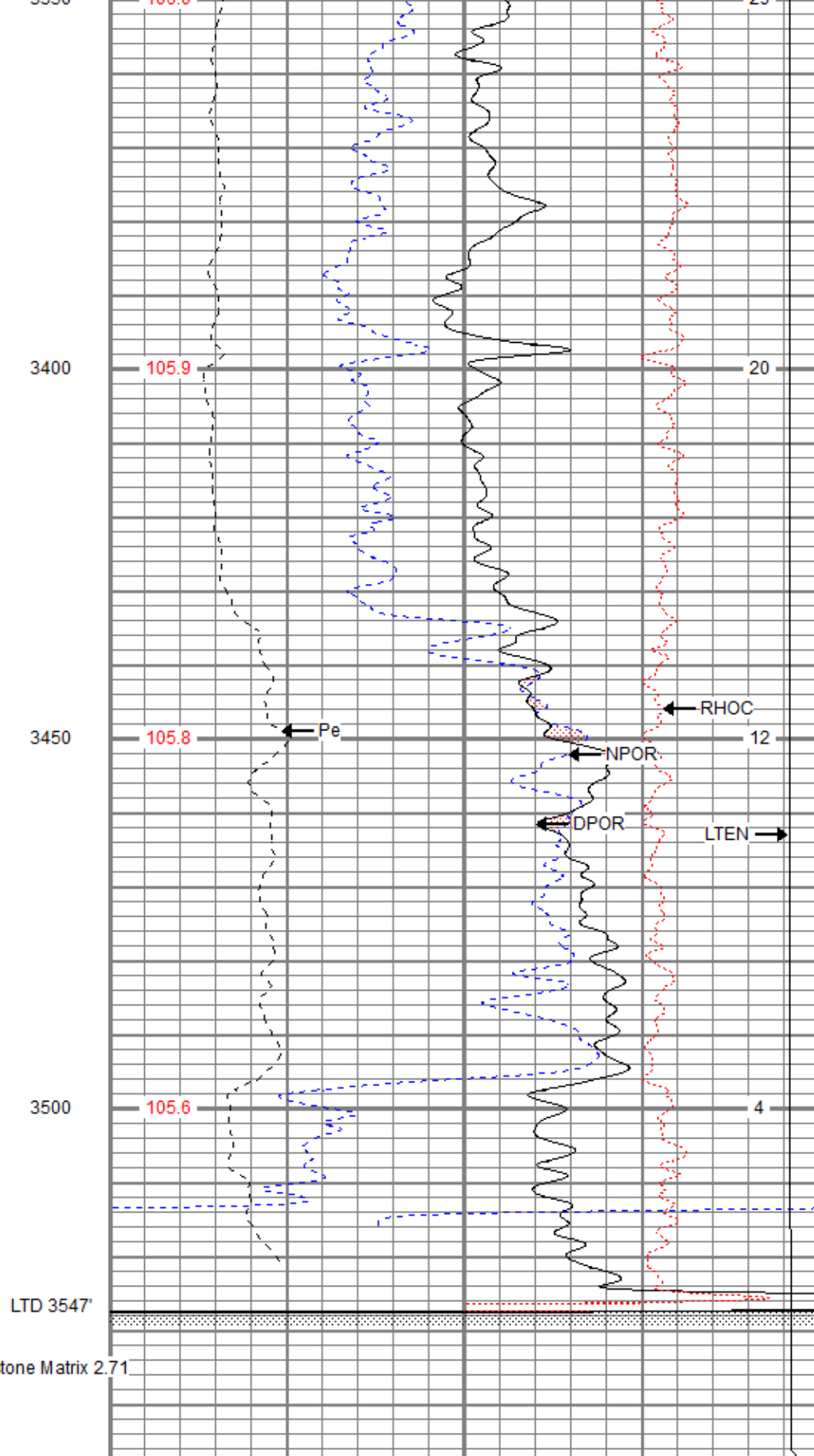
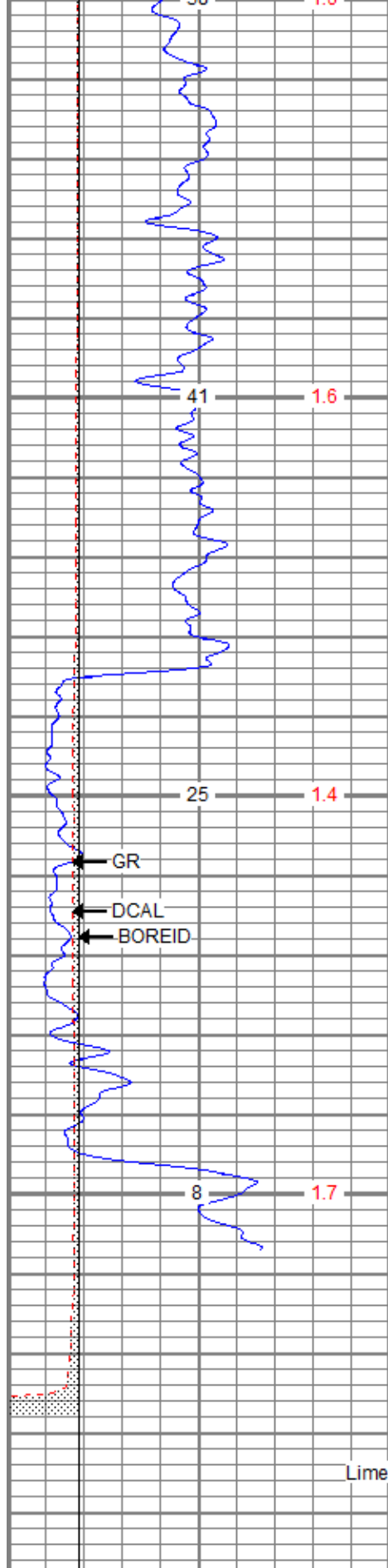
3100

104.8

73







LTD 3547'

Limestone Matrix 2.71

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
	TEMP (°F)	8000
	RHOC (g/cc)	0.25
	LTEN (lb)	0

(degF)

ABHV (ft3)

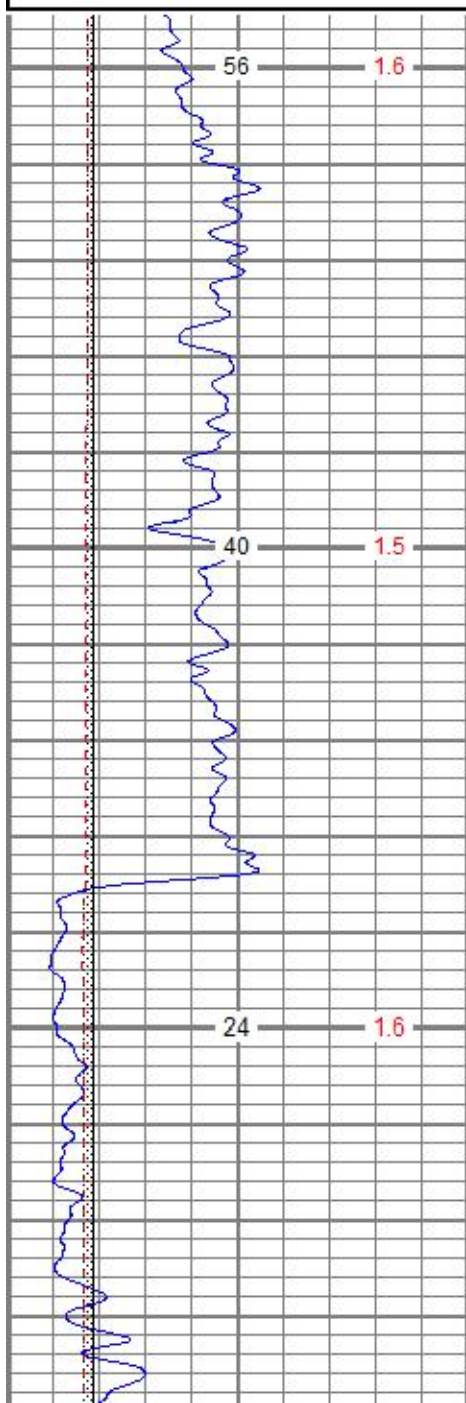


Repeat Pass

Database File taoswebber34-2oh.db
 Dataset Pathname pass1.1
 Presentation Format digital_kcdnl
 Dataset Creation Sun Dec 11 21:28:18 2016
 Charted by Depth in Feet scaled 1:240

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

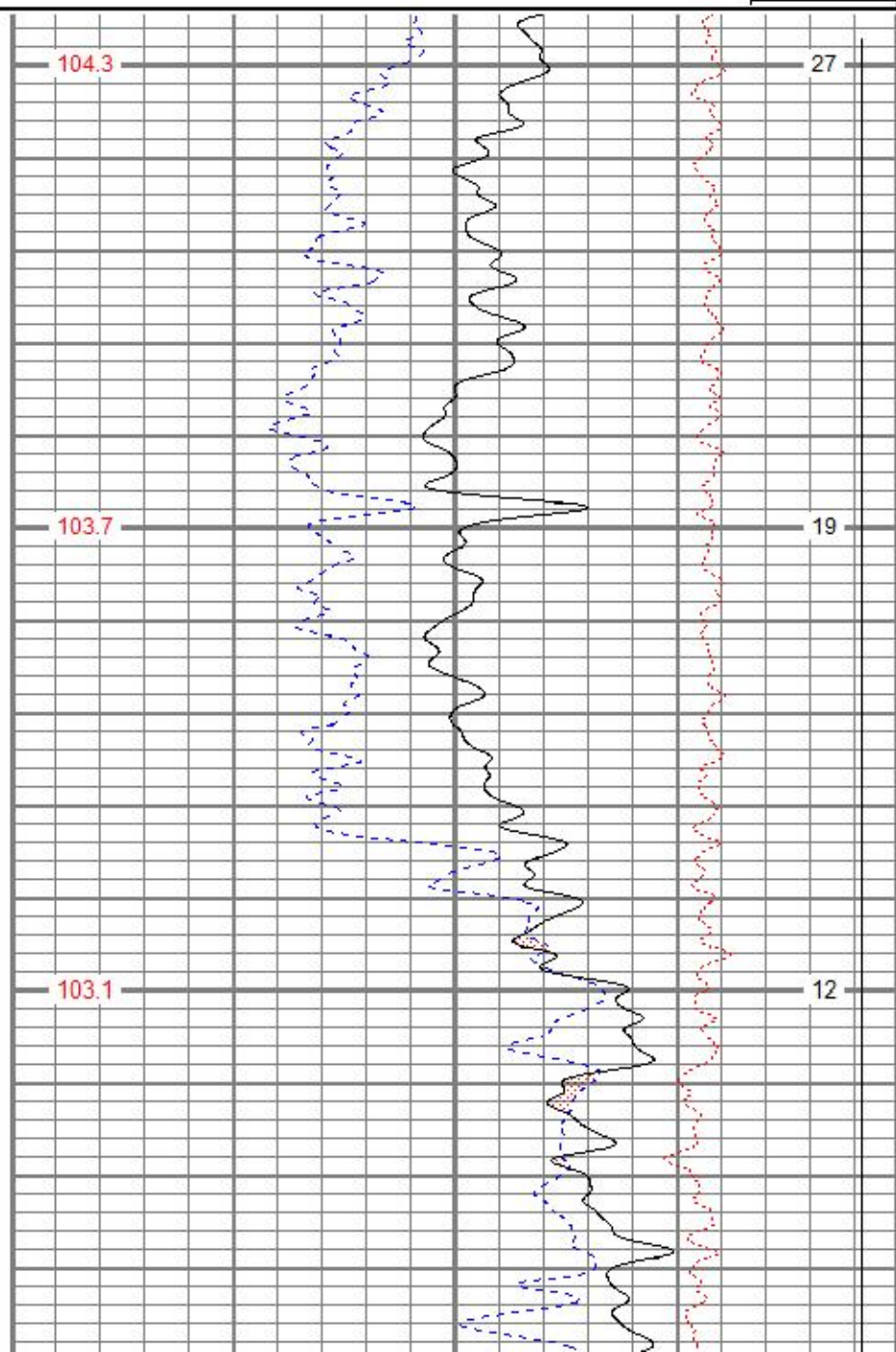
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
TEMP (degF)	-0.25	RHOC (g/cc) 0.25
	8000	LTEN (lb) 0
		ABHV (ft3)



3350

3400

3450



104.3

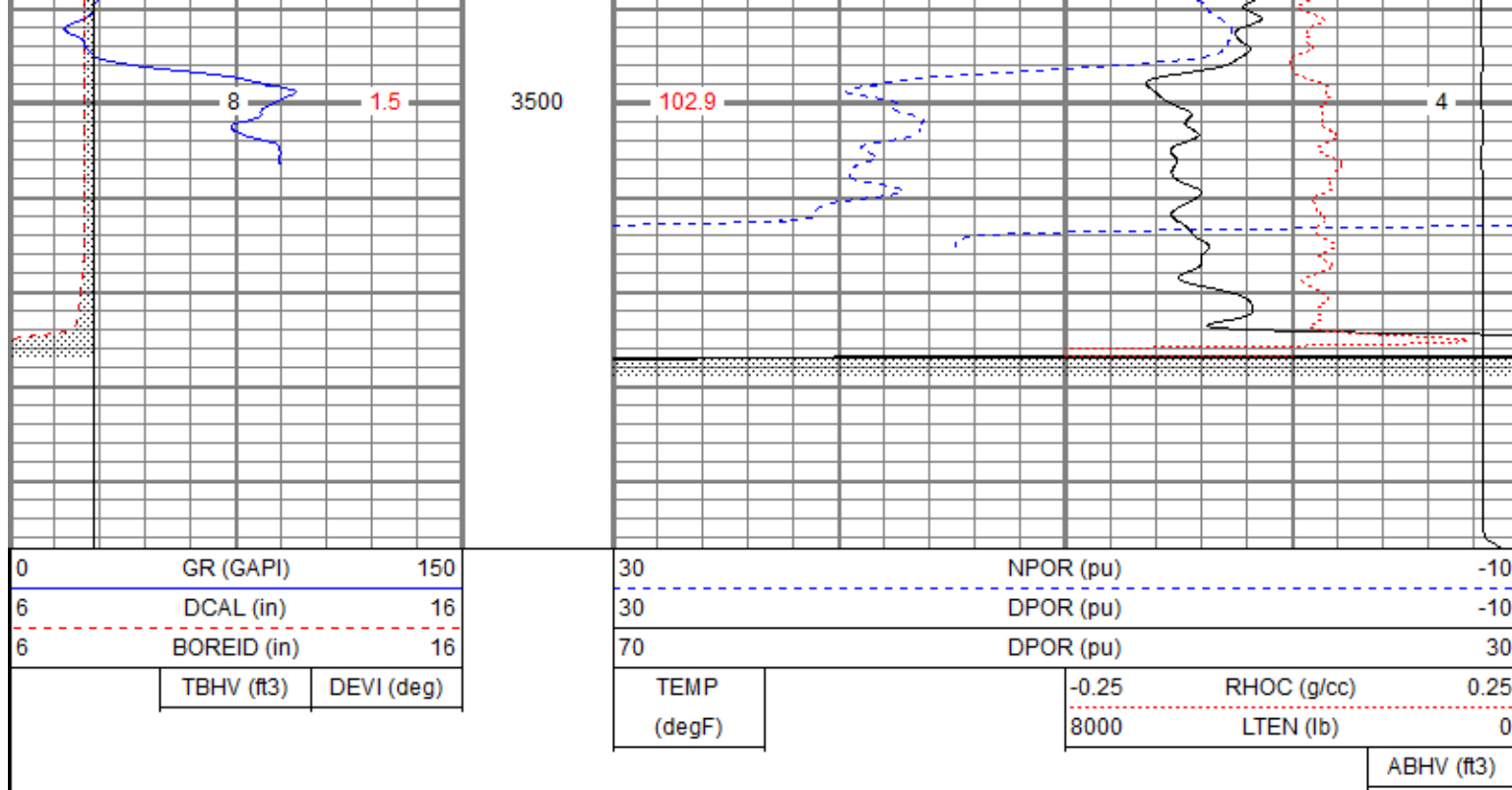
103.7

103.1

27

19

12



Calibration Report										
Database File	taoswebber34-2oh.db									
Dataset Pathname	pass1.1									
Dataset Creation	Sun Dec 11 21:28:18 2016									
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			
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			
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	-2.046		
After Survey Verification										
		Readings					Targets			
Internal:	Zero	Cal		Zero	Cal		m'	b'		
Deep	0.000	0.000	mmho/m	-0.036	349.993	mmho/m	1.001	-0.078		

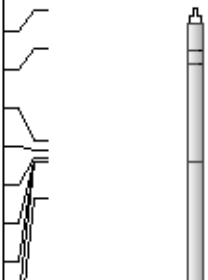
Medium	0.000	0.000	mmho/m	0.039	400.181	mmho/m	0.999	0.013
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

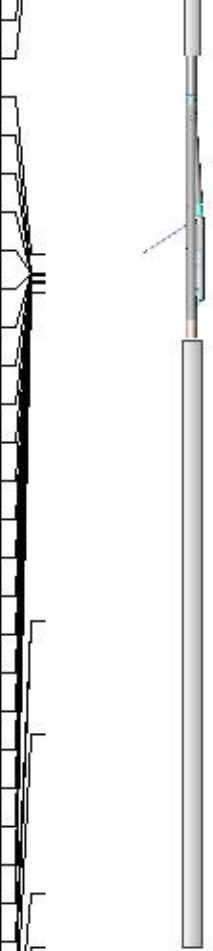
Neutron Calibration Report			
Serial Number:	Admyr		
Tool Model:	G		
Performed:	Fri Dec 09 04:18:49 2016		
Calibrator Value:	1	NAPI	
Calibrator Reading:	1	cps	
Sensitivity:	1	NAPI/cps	

Gamma Ray Calibration Report			
Serial Number:	1		
Tool Model:	A		
Performed:	Sun Dec 11 17:01:48 2016		
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:	Fri Dec 09 04:18:36 2016					
	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)
PSTAT	39.60		CHD-STD	0.50	1.69	1.00
GR	38.32		ADT1PULSE-A (1)	0.83	3.50	10.00
TEMP	35.35		Pulsed Interface Tool #1			
ASTAT	35.06		ADT1ADC-A (1)	0.83	3.50	10.00
GRD	34.81		Analog Interface #1			
ACCY	34.65		ADT1SENSORS-A (1)	4.54	3.50	10.00
ACCX	34.65		NEU-G (Admyr)	5.65	3.50	85.00
			Gearhart Enithermal			

SSTAT	34.65				
NEU	33.46				
LStat	22.54				
LS8	21.88				
LS7	21.88				
LS6	21.88				
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				
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	Dataset: taoswebber34-2oh.db: field/well/run1/pass1.1 Total length: 39.69 ft Total weight: 656.00 lb O.D.: 4.00 in			
RLL3	1.70				
TR_Mon	0.00				