



GAMMA RAY / CALIPER LOG

MIDWEST WIRELINE

Company Cobalt Energy, LLC
Well Marilyn Unit #1-6
Field Hatcher
County Graham State Kansas

Location: API #: 15-065-24196-00-00

Other Services

224' FNL & 1051' FWL
SEC 6 TWP 9S RGE 21W

CNL/CDL
DIL/MEL

Permanent Datum Ground Level Elevation 2173'
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

K.B. 2178'
D.F. N/A
G.L. 2173'

Date 7/1/2021

Run Number One

Type Log BHV

Depth Driller 3825'

Depth Logger 3828'

Bottom Logged Interval 3799'

Top Logged Interval 200'

Type Fluid In Hole Chemical

Salinity, PPM CL 5000

Density 9.2

Level Full

Max. Rec. Temp. F 114

Operating Rig Time 3 Hours

Equipment -- Location P-108 HAYS

Recorded By D. Schmidt

Witnessed By Corey Baker

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25" 0' 220' 8.625" 23# 0' 220'

Two 7.875" 220' TD

<<< Fold Here >>>

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.

Bogue,
3 South to N Rd, 1 West, 1 South,
East into

Log Measured From: Kelly Bushing 5 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Corey Baker
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic		Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58			GR-M&W (233-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73			CNT-M&W (207-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93			CDL-M&W (934-226)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83			ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
RLL3F RLL3	15.80 15.80			DIL-PSI HIGH TEMP (952-828)	18.50	3.50	220.00
CILD	8.00						
CILM	4.70						
SP	0.20						
Dataset: cobalt_marilyn unit 1-6.db: field/well/stkml/pass3.9 Total length: 43.08 ft Total weight: 685.00 lb O.D.: 4.00 in							

Log Variables

DatabaseC:\ProgramData\Warrior\Data\cobalt_marilyn unit 1-6.db
Dataset field/well/stkml/pass3.9/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	100	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	No	0	0	275	60	Off	0

Variable Description

A : Cement Factor (a)
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
M : Cement Exp (m)
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

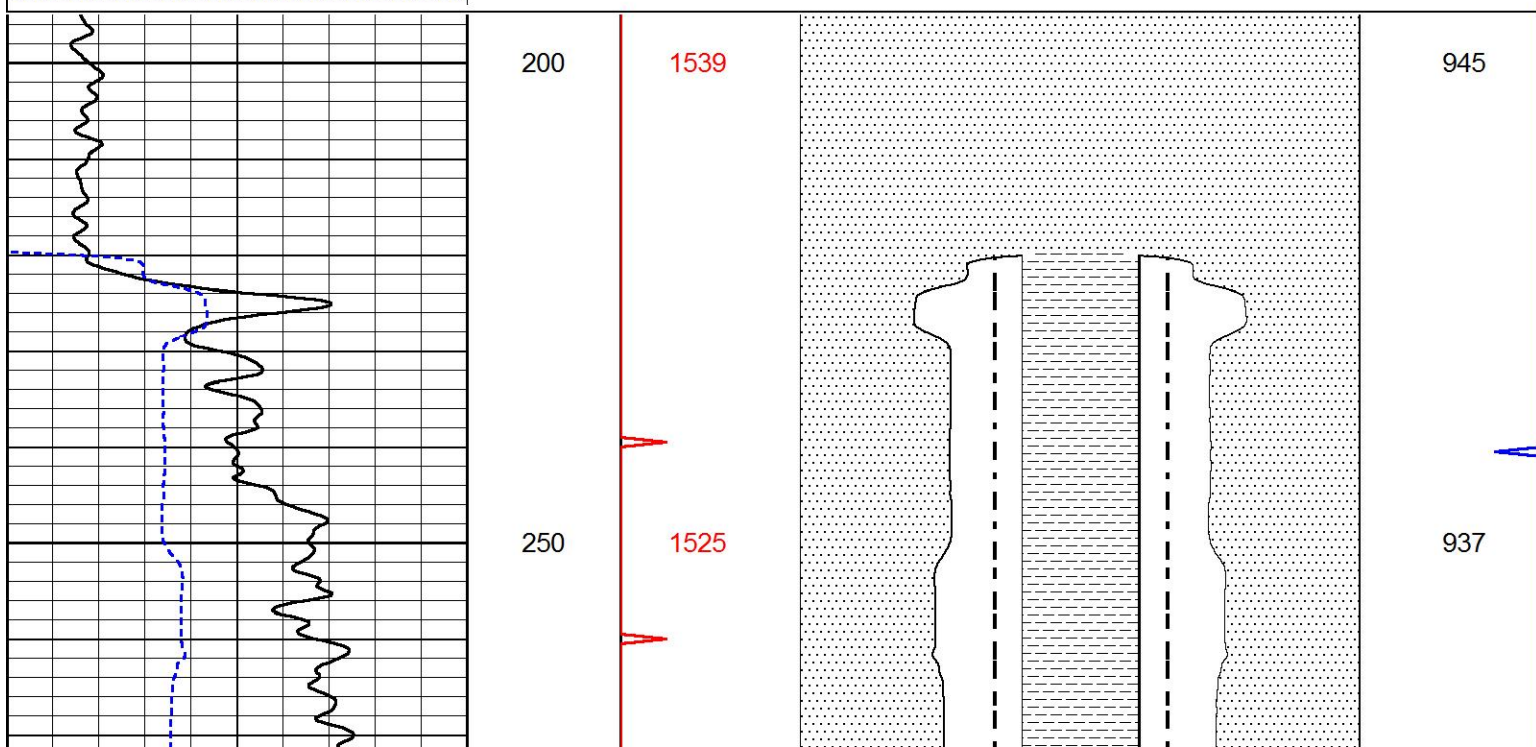


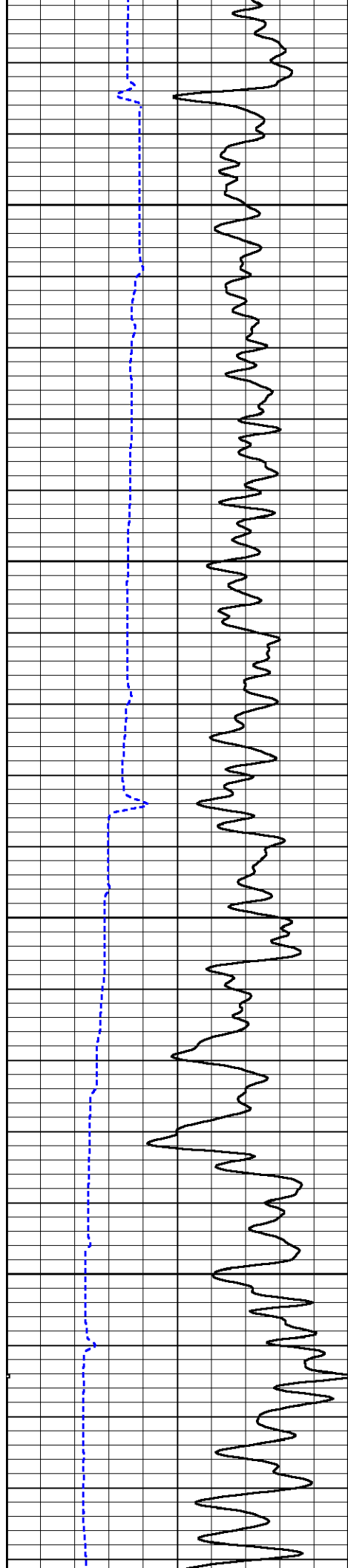
DETAIL SECTION

MAIN PASS

Database File cobalt_marilyn unit 1-6.db
Dataset Pathname stkml/pass10.1
Presentation Format bhv5half
Dataset Creation Thu Jul 01 10:09:43 2021
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0	Borehole Volume (ft3)	10	10	Annular Volume (ft3)	0
150	GR (GAPI)	300						
6	DCAL (in)	16						





300

1501

350

1478

400

1455

450

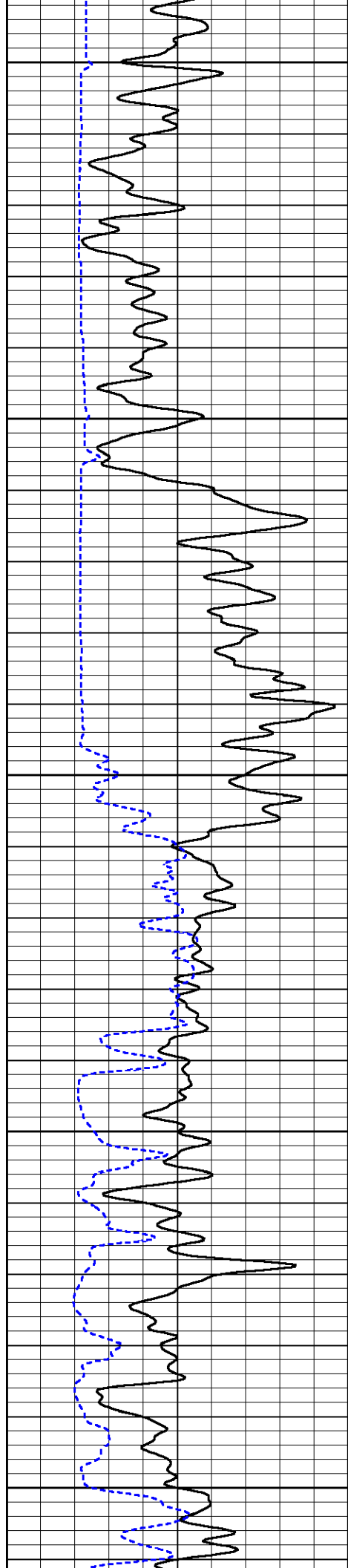
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922

906

892

880



500

550

600

650

700

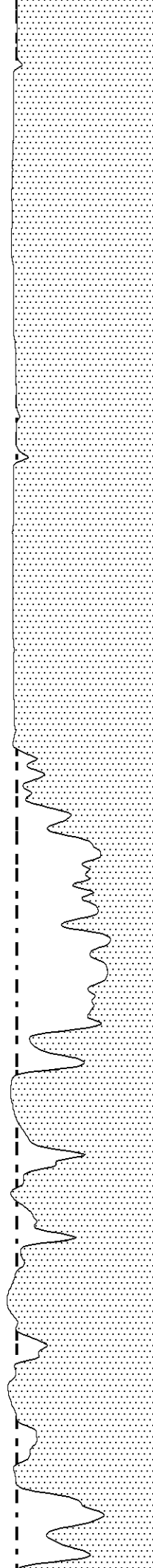
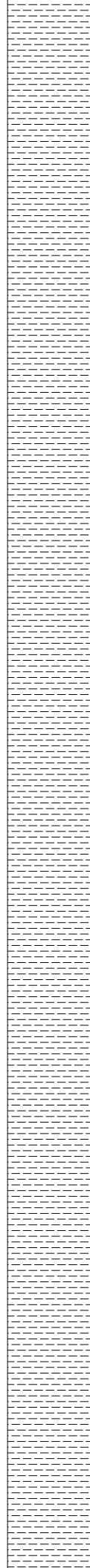
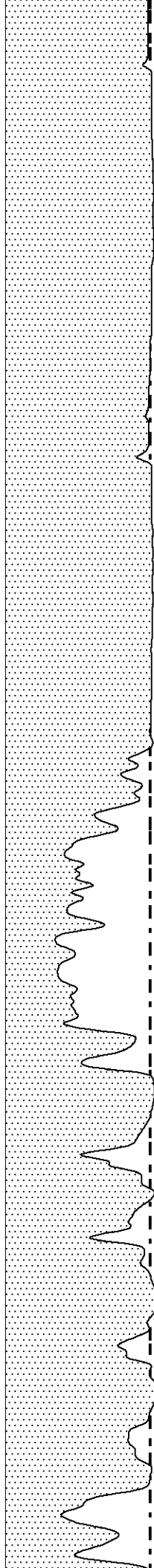
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1399

1381

1355

1335



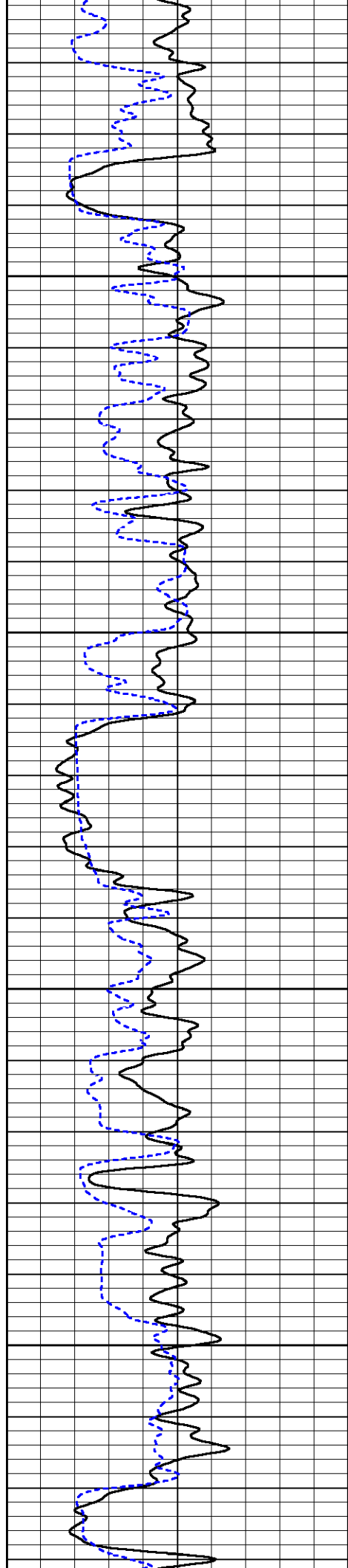
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860

850

833

821



750

1309

800

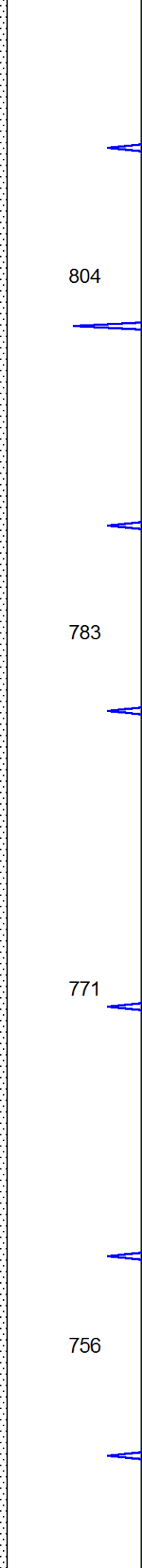
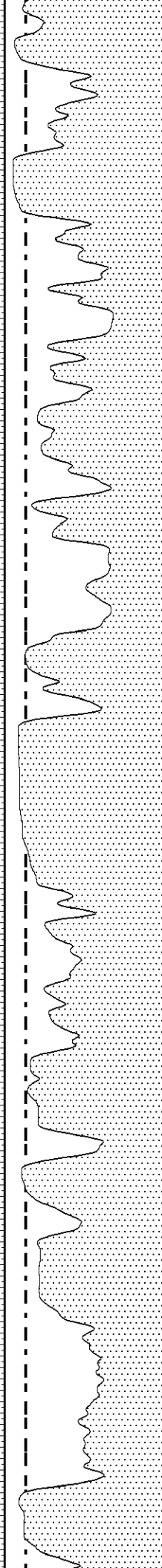
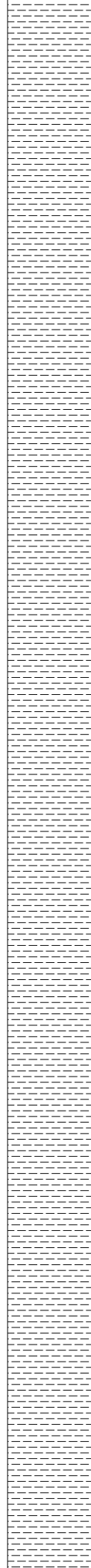
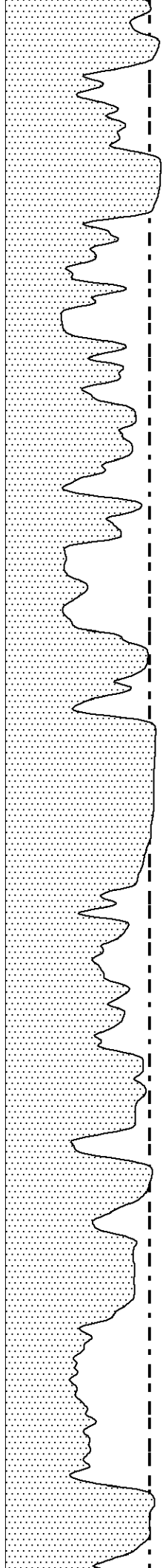
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850

1260

900

1237

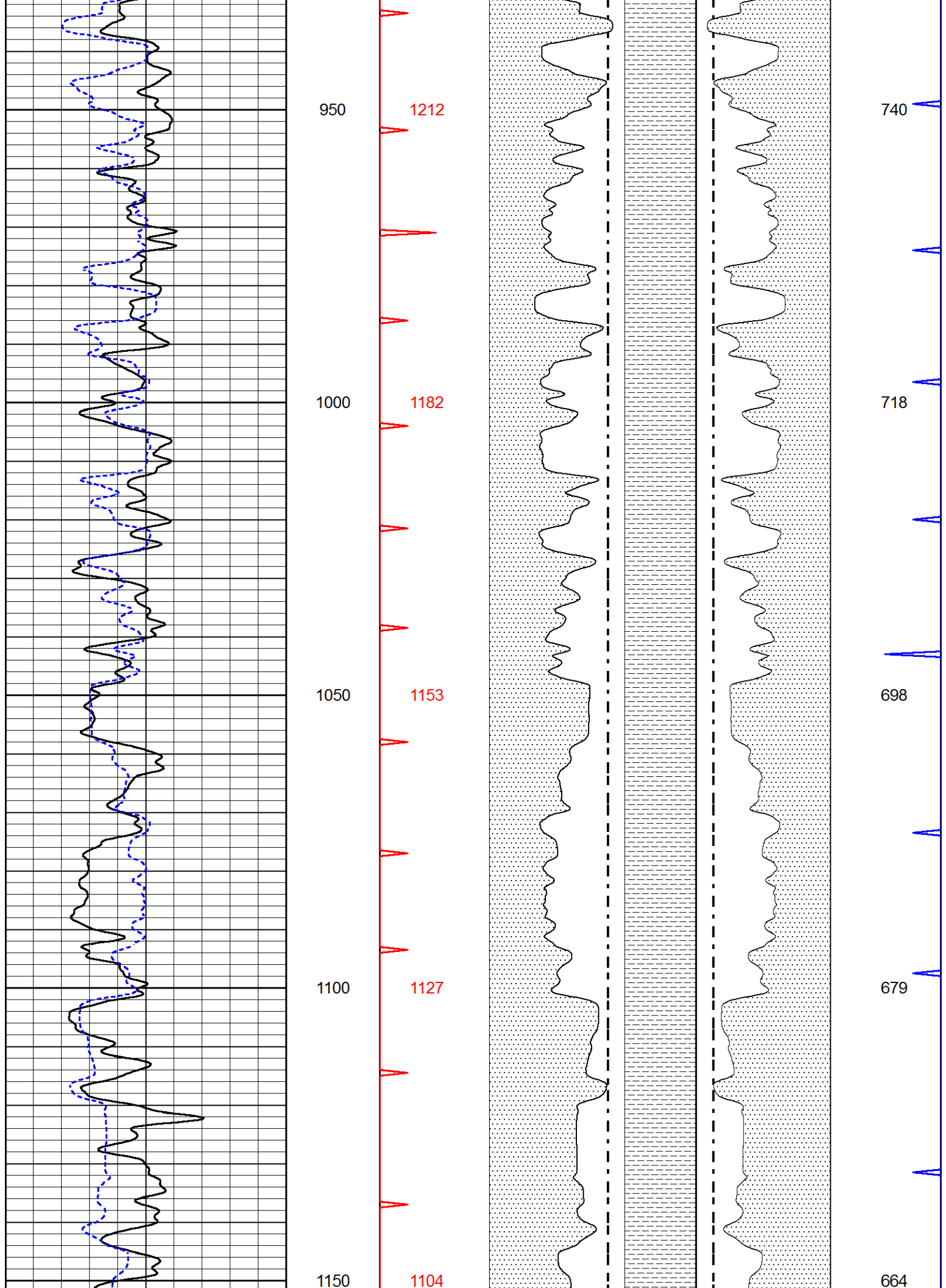


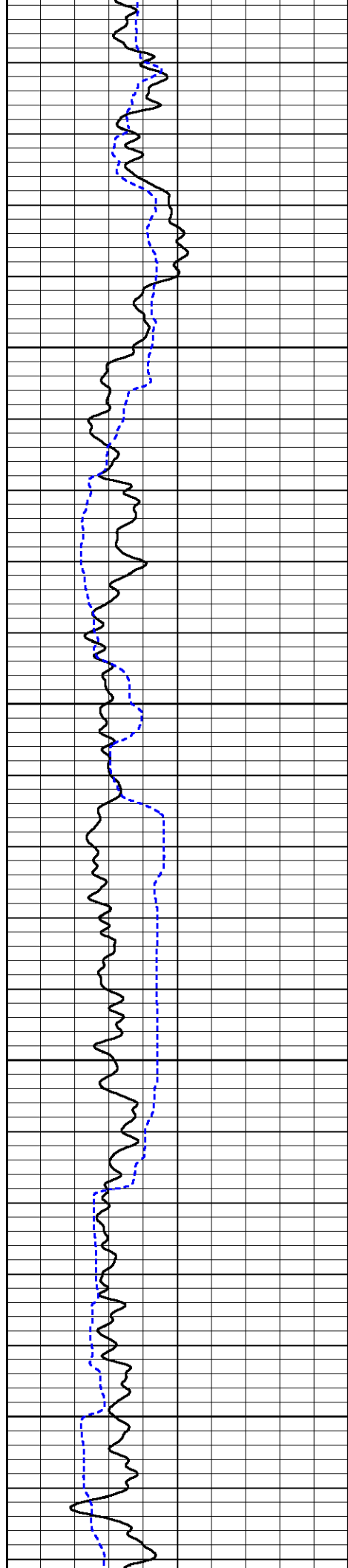
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783

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756





1200

1250

1300

1350

1079

1058

1028

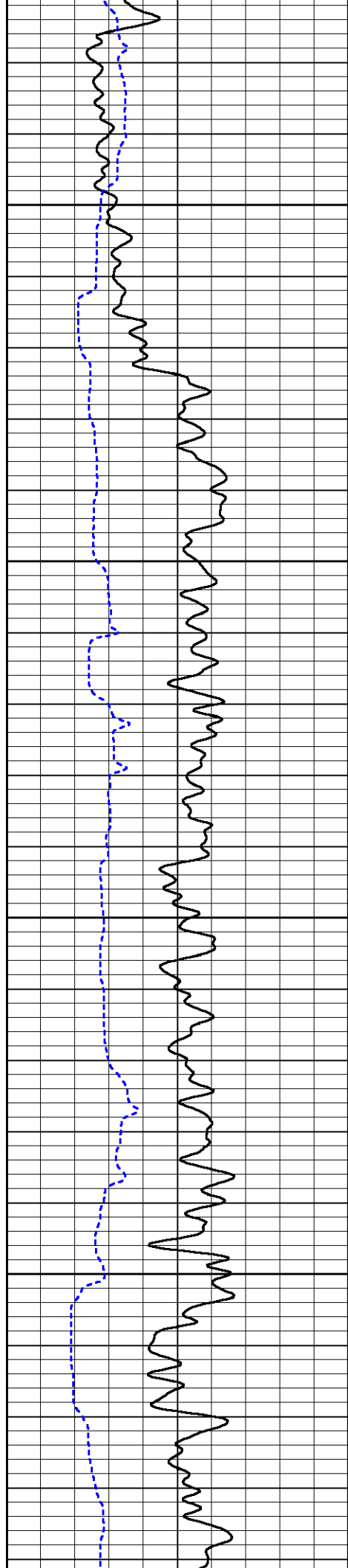
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613

599



1400

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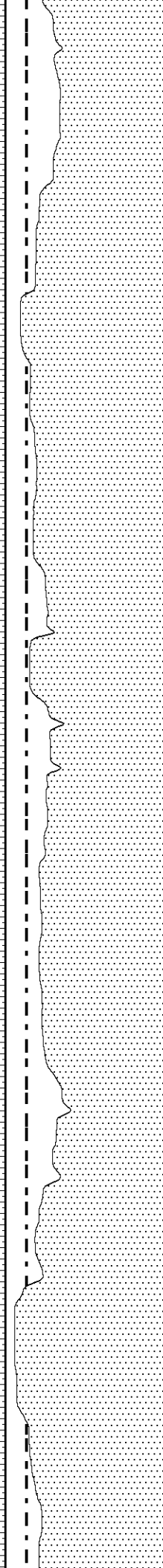
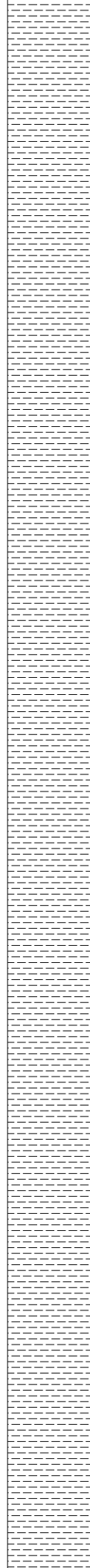
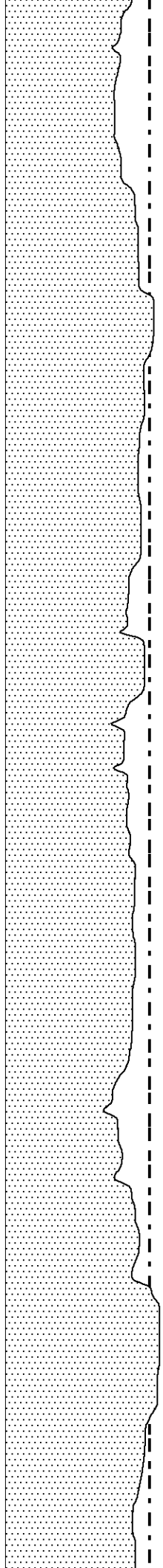
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1500

944

1550

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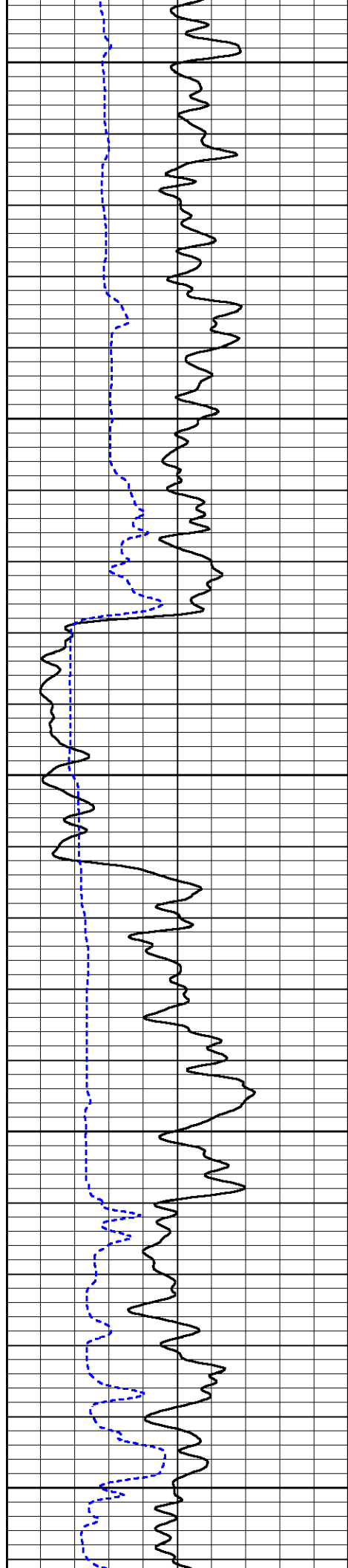
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1650

885

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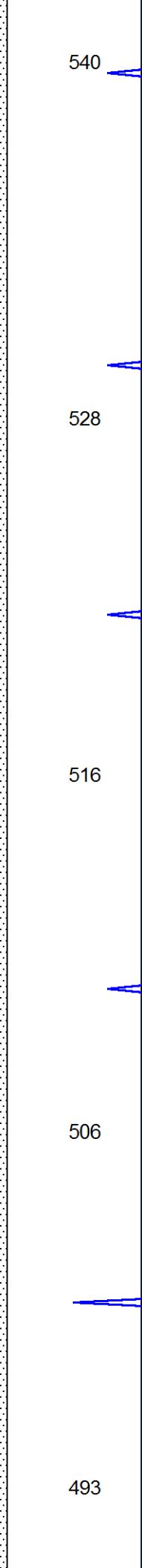
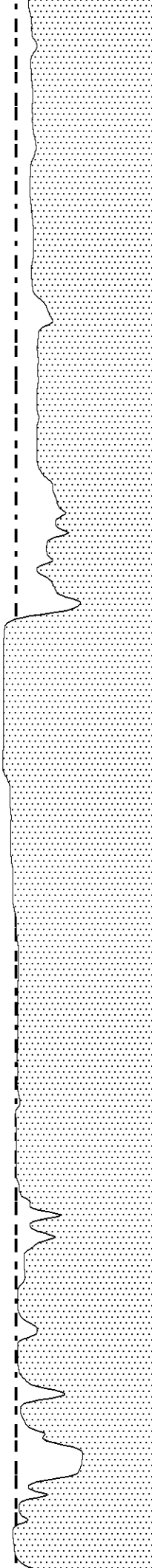
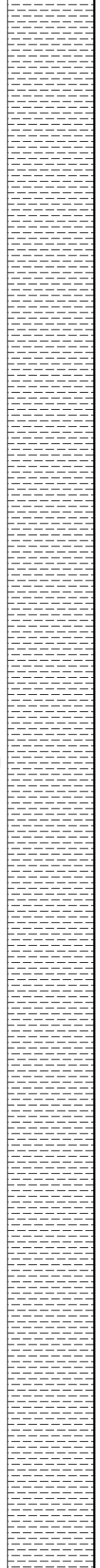
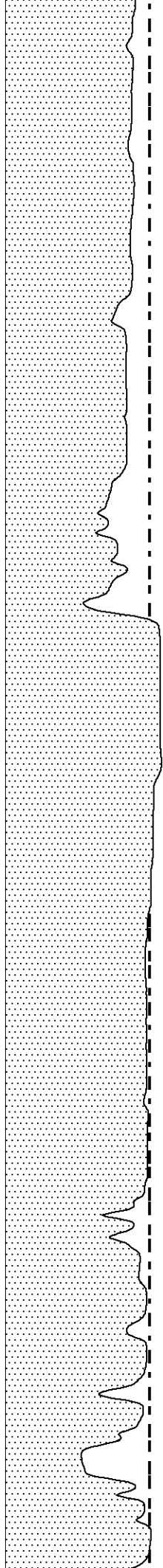
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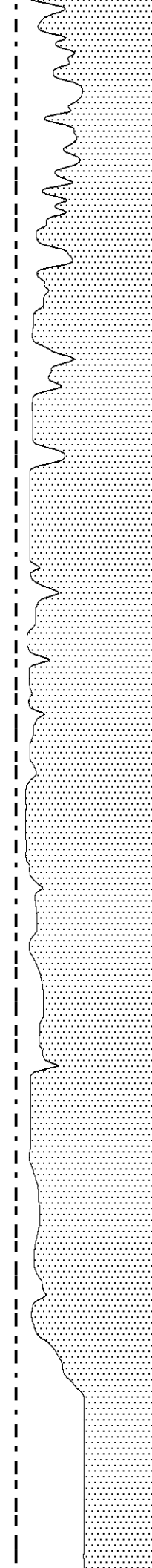
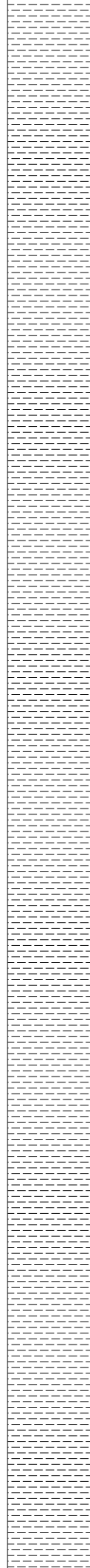
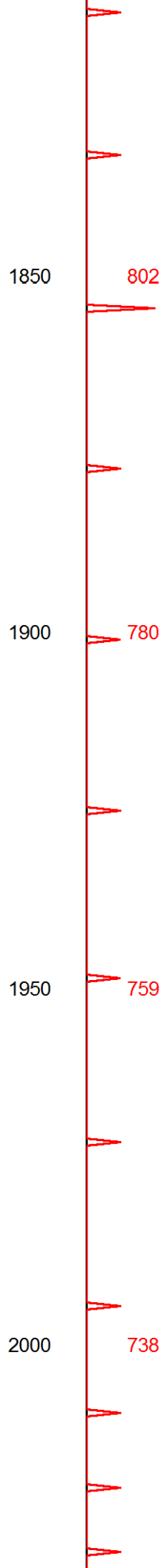
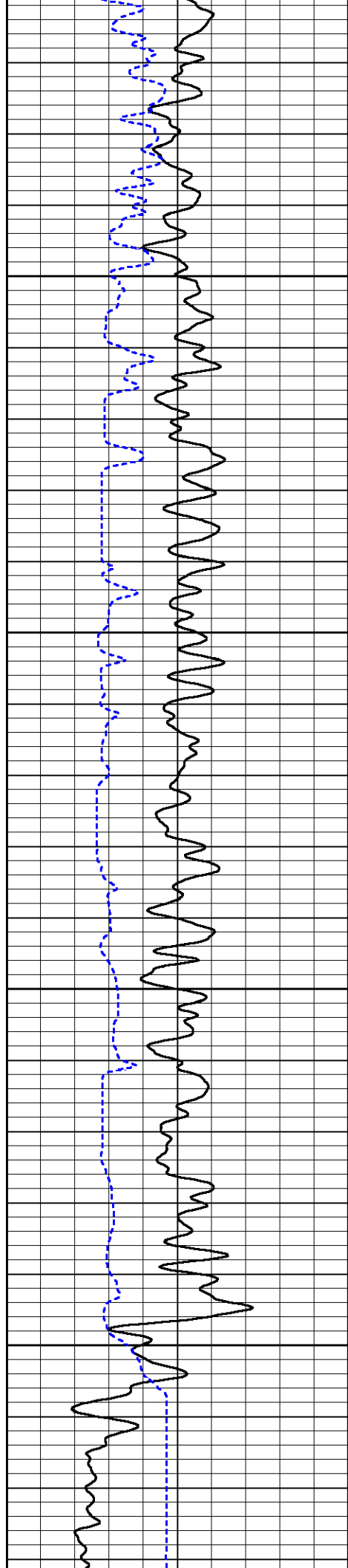
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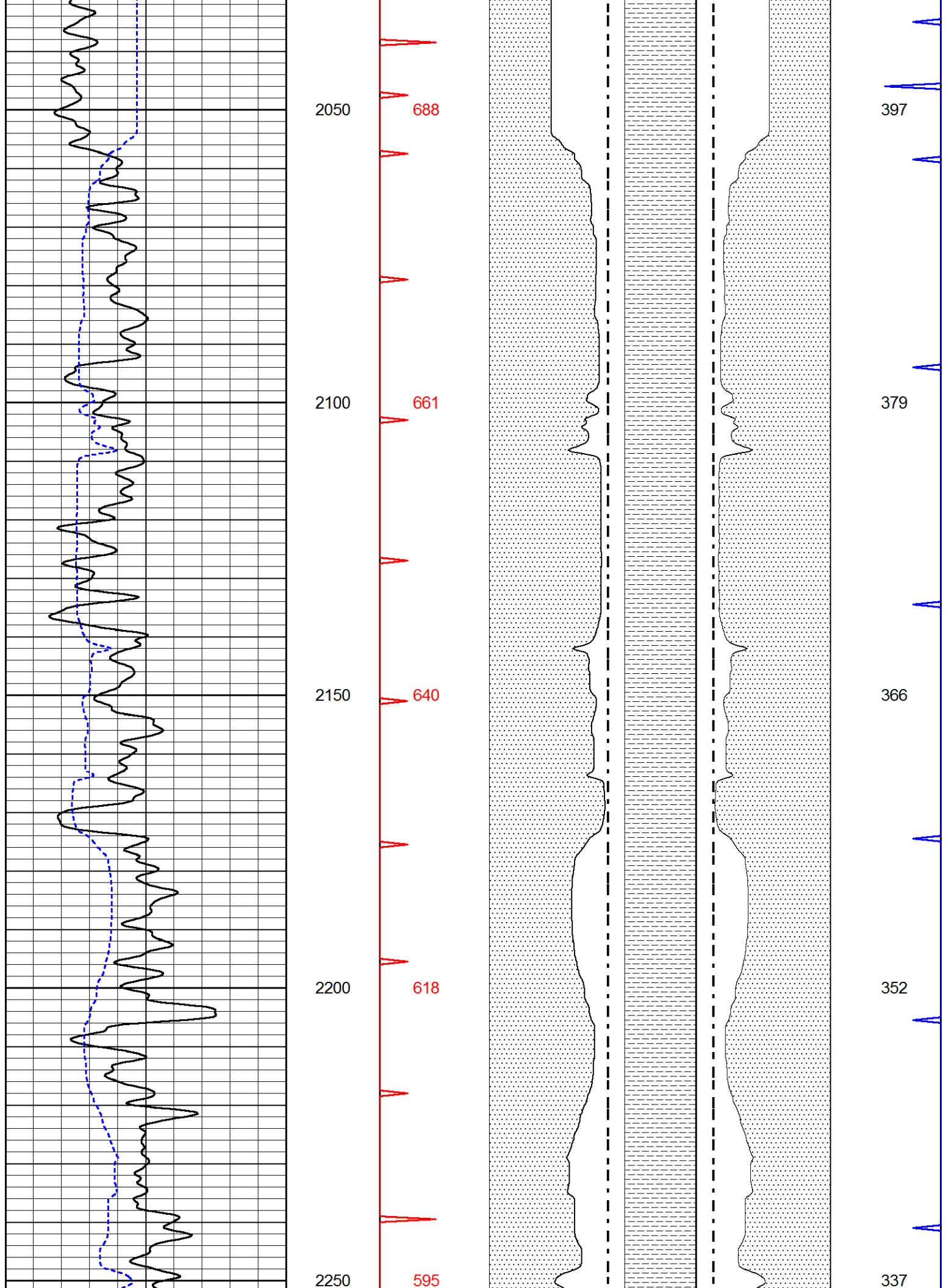
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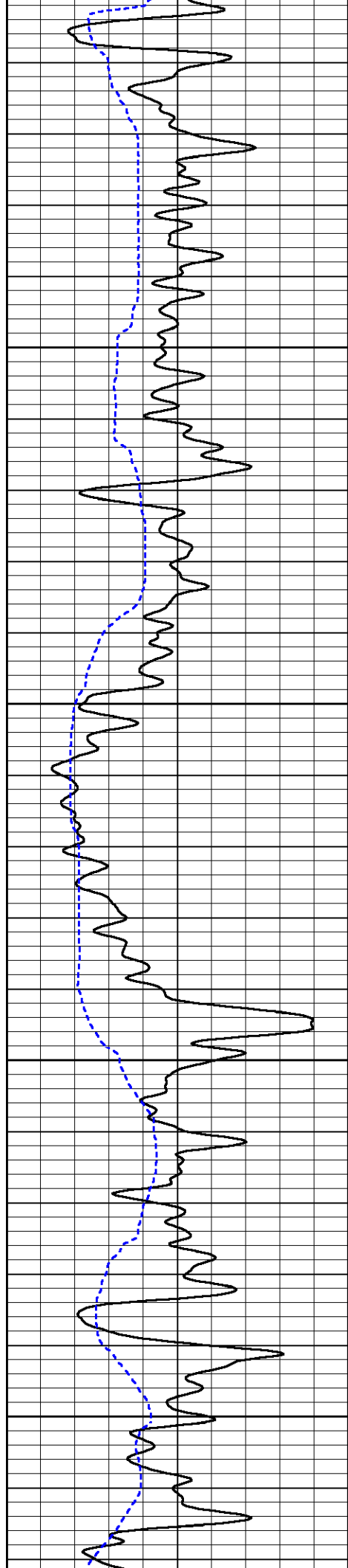
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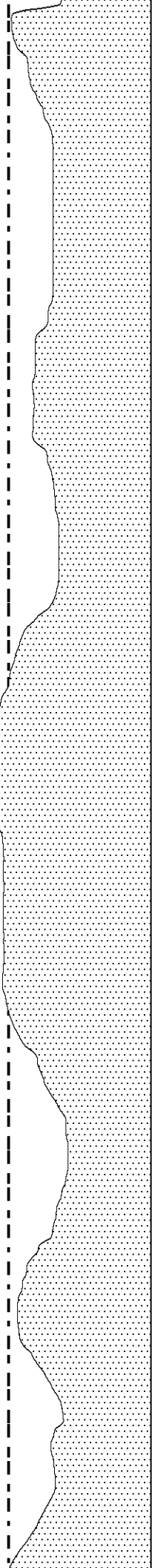
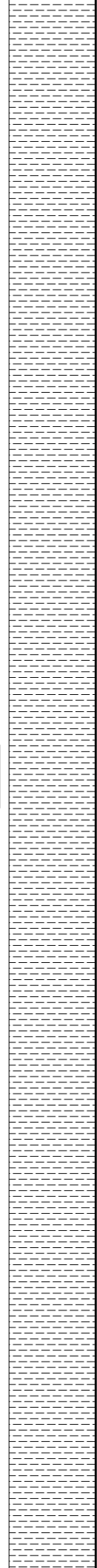
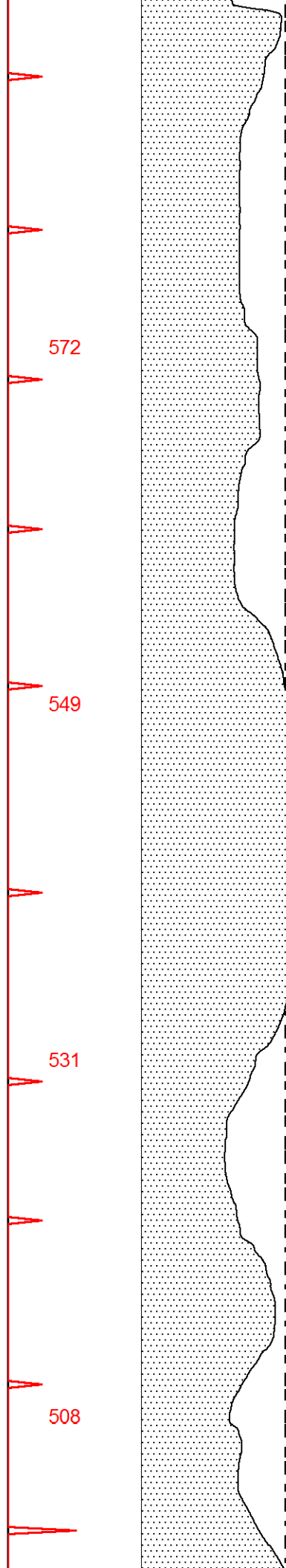
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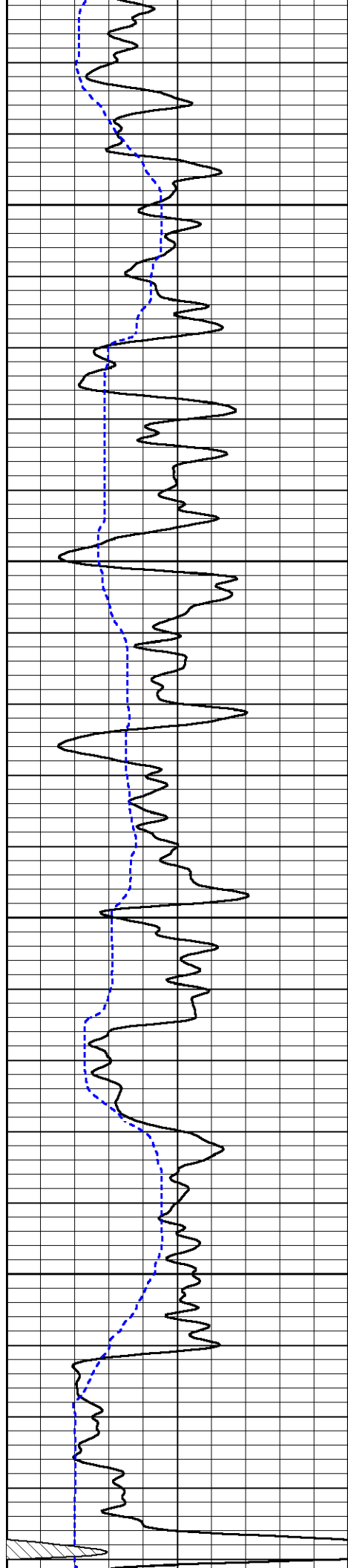
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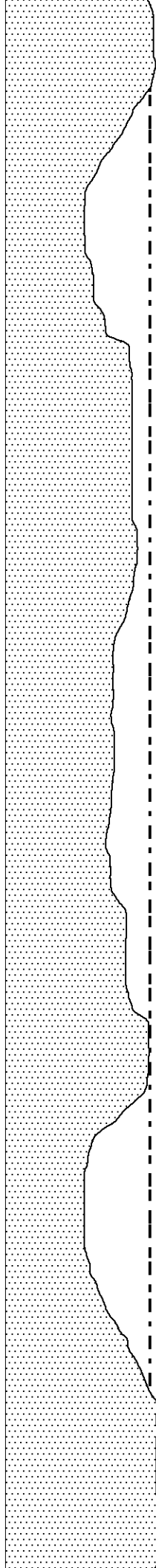
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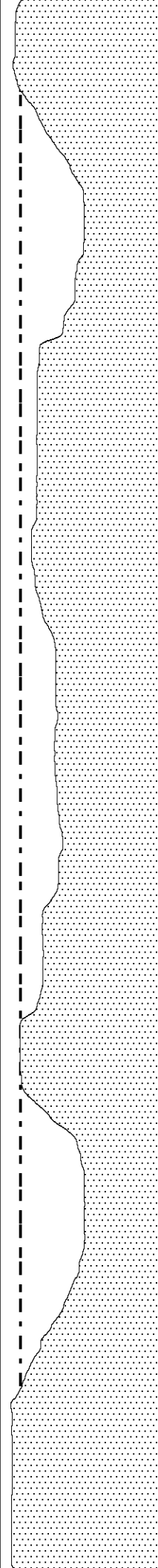
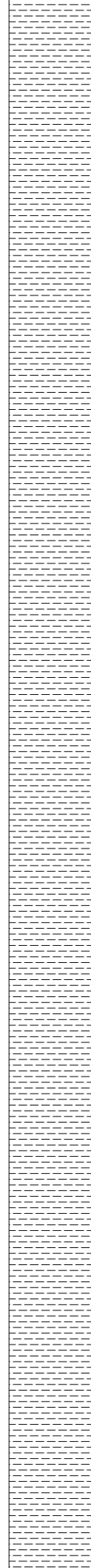


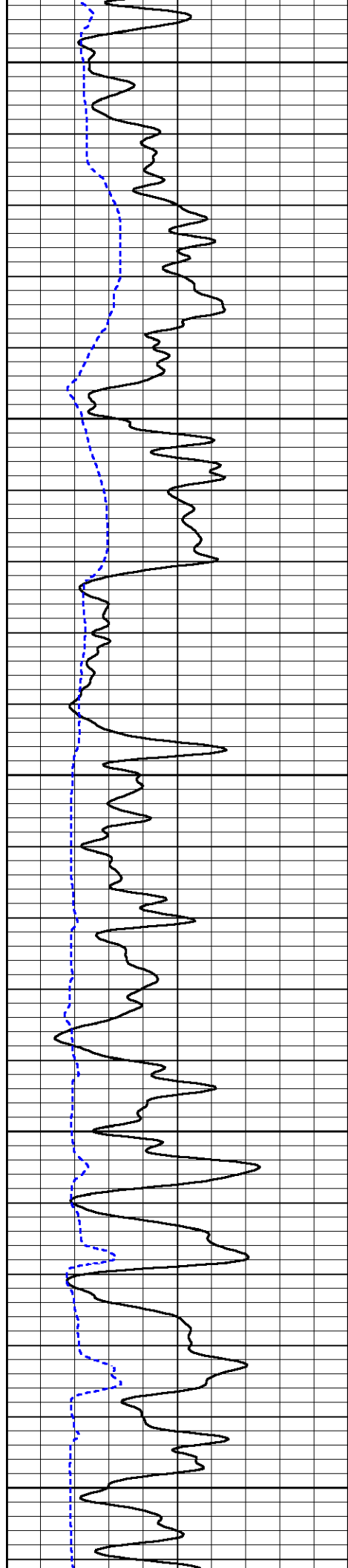
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228





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400

2750

381

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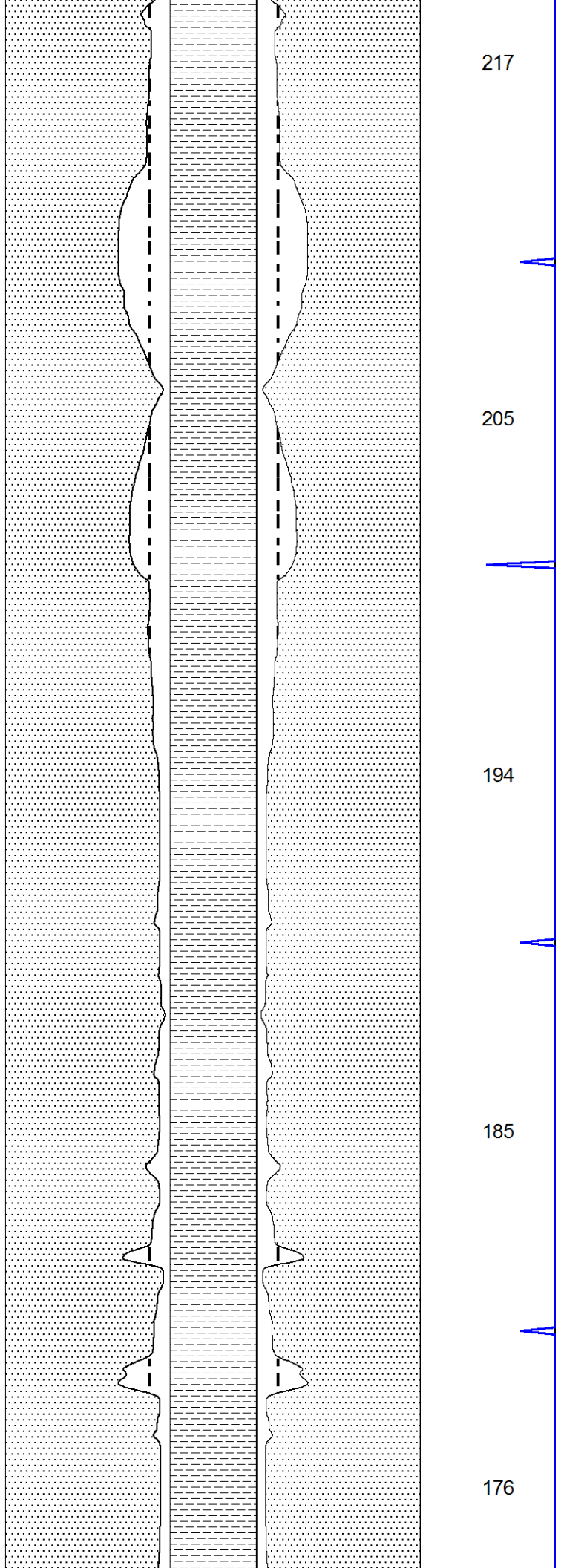
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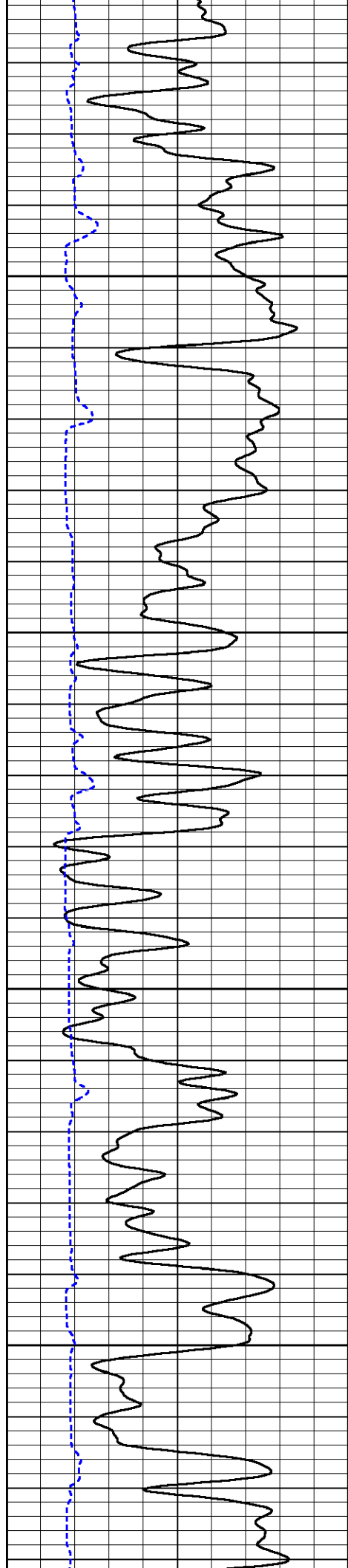
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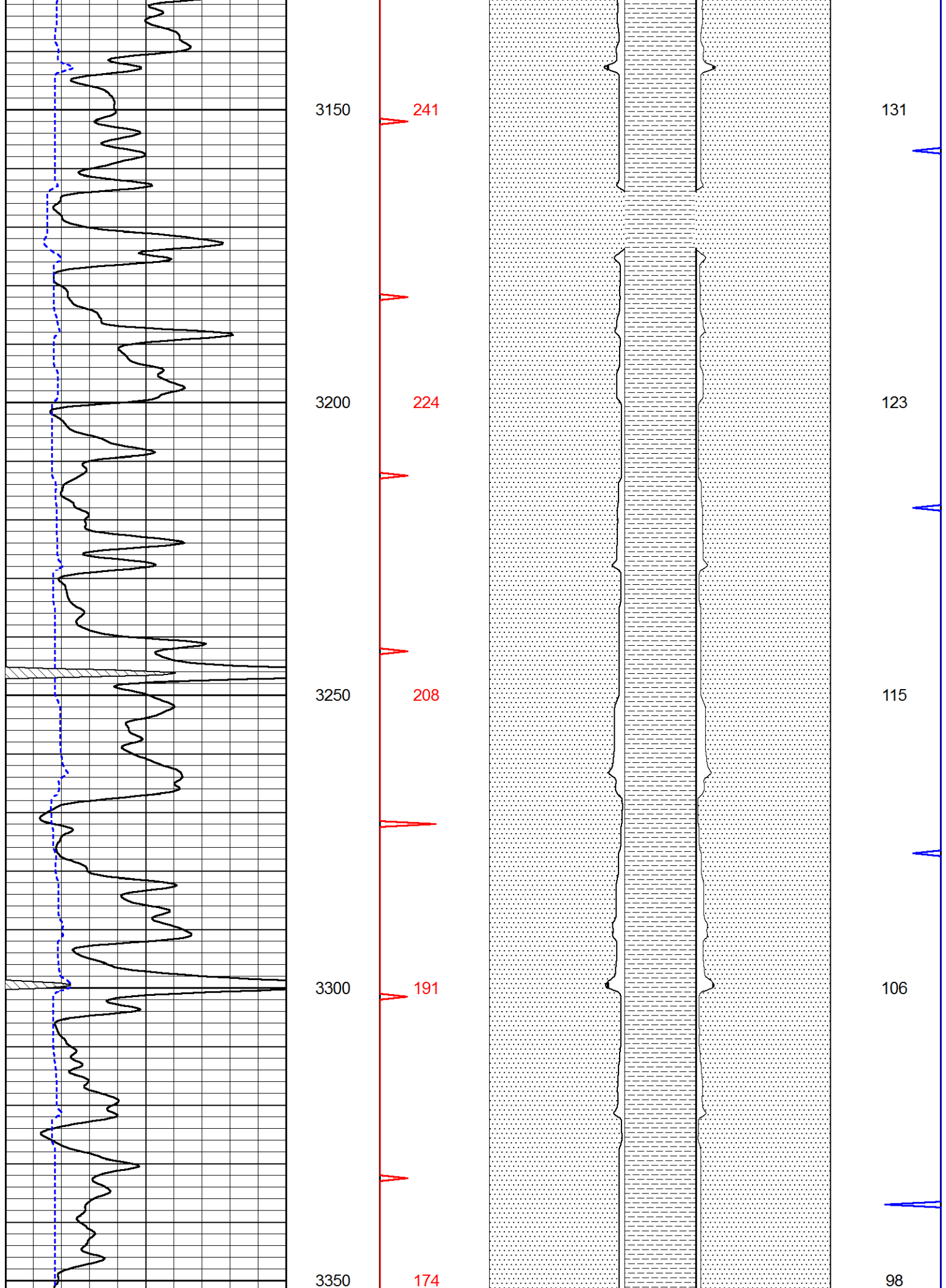
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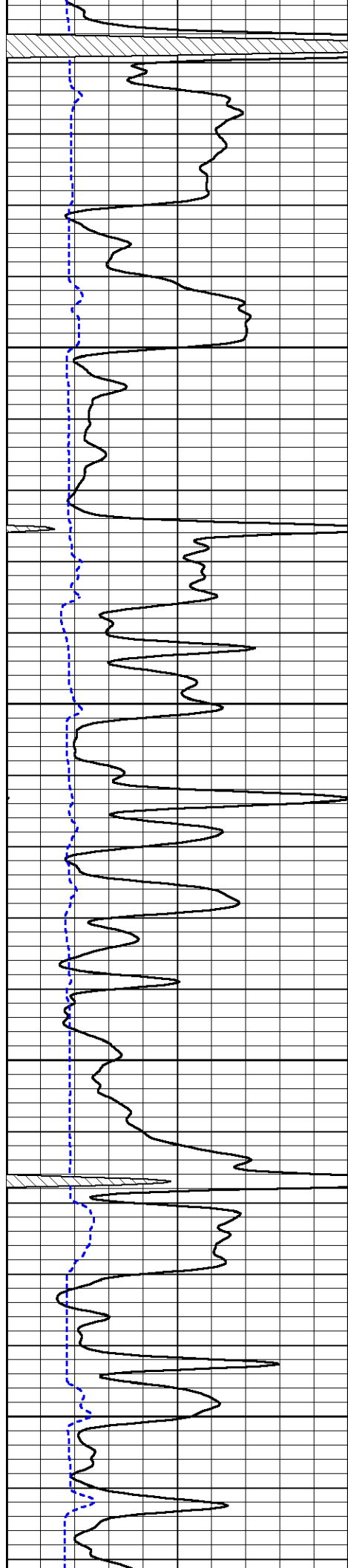
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157

140

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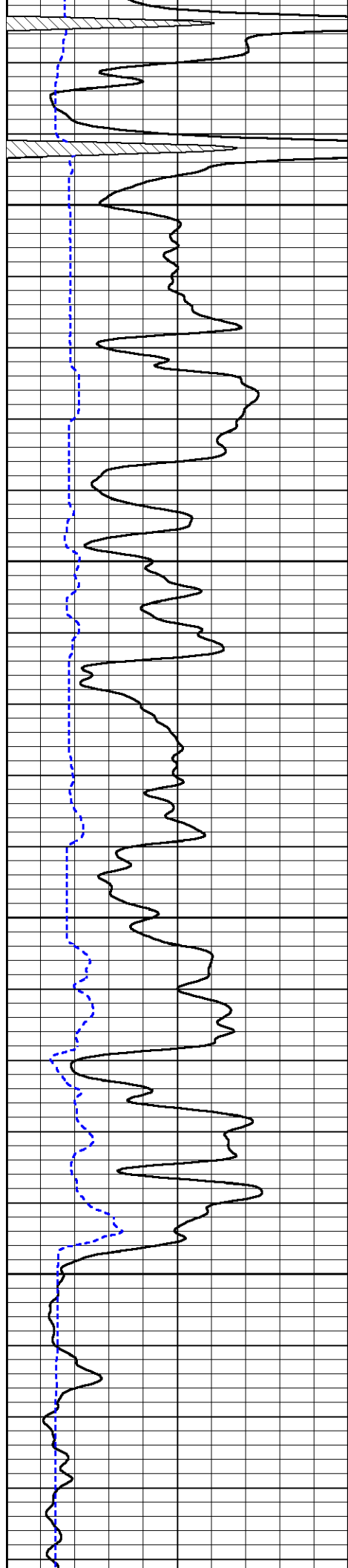
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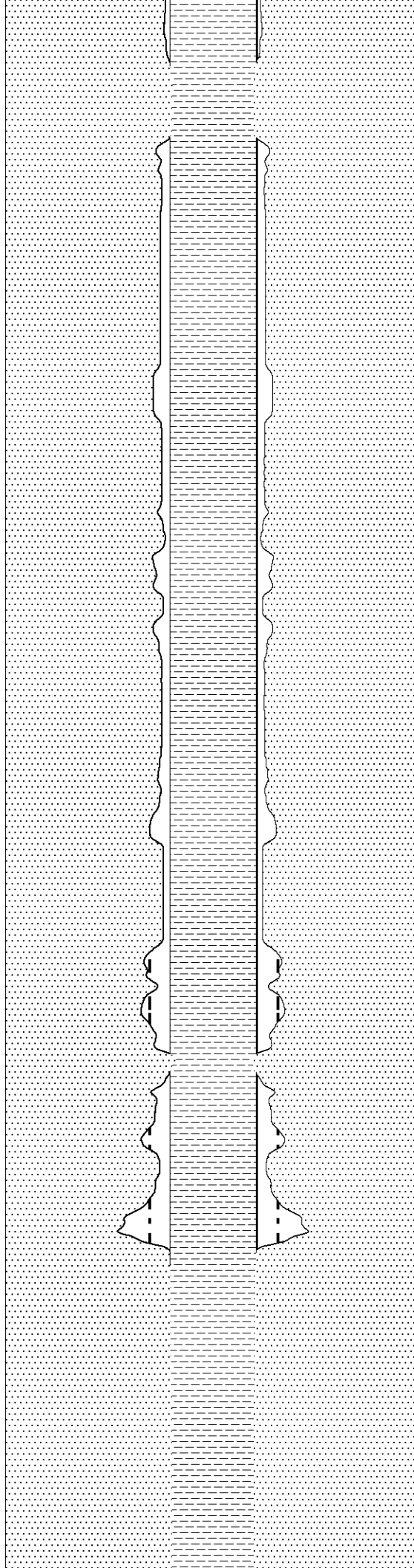


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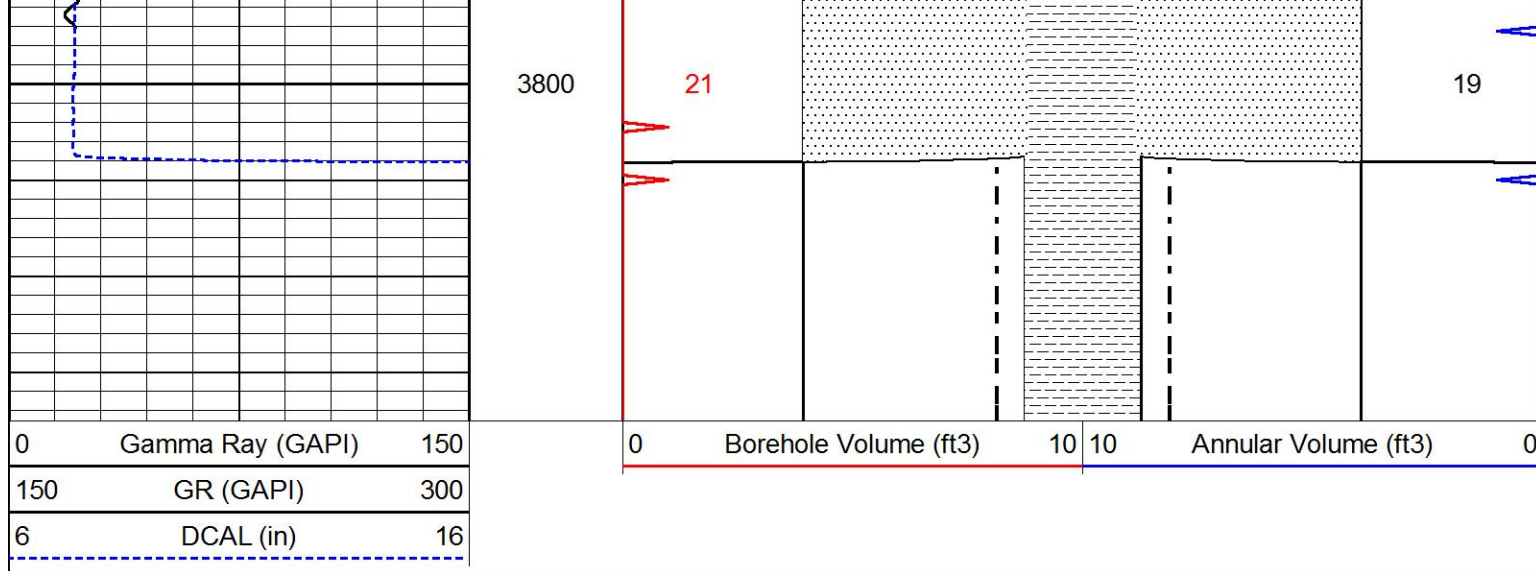
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36

26





Company	Cobalt Energy, LLC
Well	Marilyn Unit #1-6
Field	Hatcher
County	Graham
State	Kansas