



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1086616
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1086616

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Credo Petroleum Corporation
Well Name	Hartner 1-10
Doc ID	1086616

All Electric Logs Run

Borehole Compensated Sonic Log
Dual Induction Log
Dual Compensated Porosity Log
Mircroresistivity Log

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 06, 2012

Jack Renfro
Credo Petroleum Corporation
1801 BROADWAY # 900
DENVER, CO 80202-3858

Re: ACO1
API 15-153-20901-00-00
Hartner 1-10
NE/4 Sec.10-01S-32W
Rawlins County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Jack Renfro



DIGITAL LOG (785) 625-3858

Borehole Compensated
Sonic Log

API No. 15-153-20,901-00-00

Company **Credo Petroleum Corporation**
 Well **Hartner #1-10**
 Field **Wildcat**
 County **Rawlins** State **Kansas**

Location **E2 SE NE**
1980' FNL / 330' FEL

Sec: **10** Twp: **1S** Rge: **32W**

Other Services
 CNL/CDL
 MEL/DIL

Permanent Datum **Ground Level** Elevation **2940**
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

K.B. 2945
 D.F. G.L. 2940

Date	6/4/2012
Run Number	Two
Type Log	BHC Sonic
Depth Driller	4519
Depth Logger	4520
Bottom Logged Interval	4509
Top Logged Interval	250
Type Fluid In Hole	Chemical
Salinity, PPM CL	2000
Density	9.2
Level	Full
Max. Rec. Temp. F	121
Operating Rig Time	5 Hours
Equipment -- Location	15 Hays
Recorded By	R. Barnhart
Witnessed By	Bruce Ard

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt. 23#	From	To
One	12.25	00	282	8.625	00	282
Two	7.875	282	TD			

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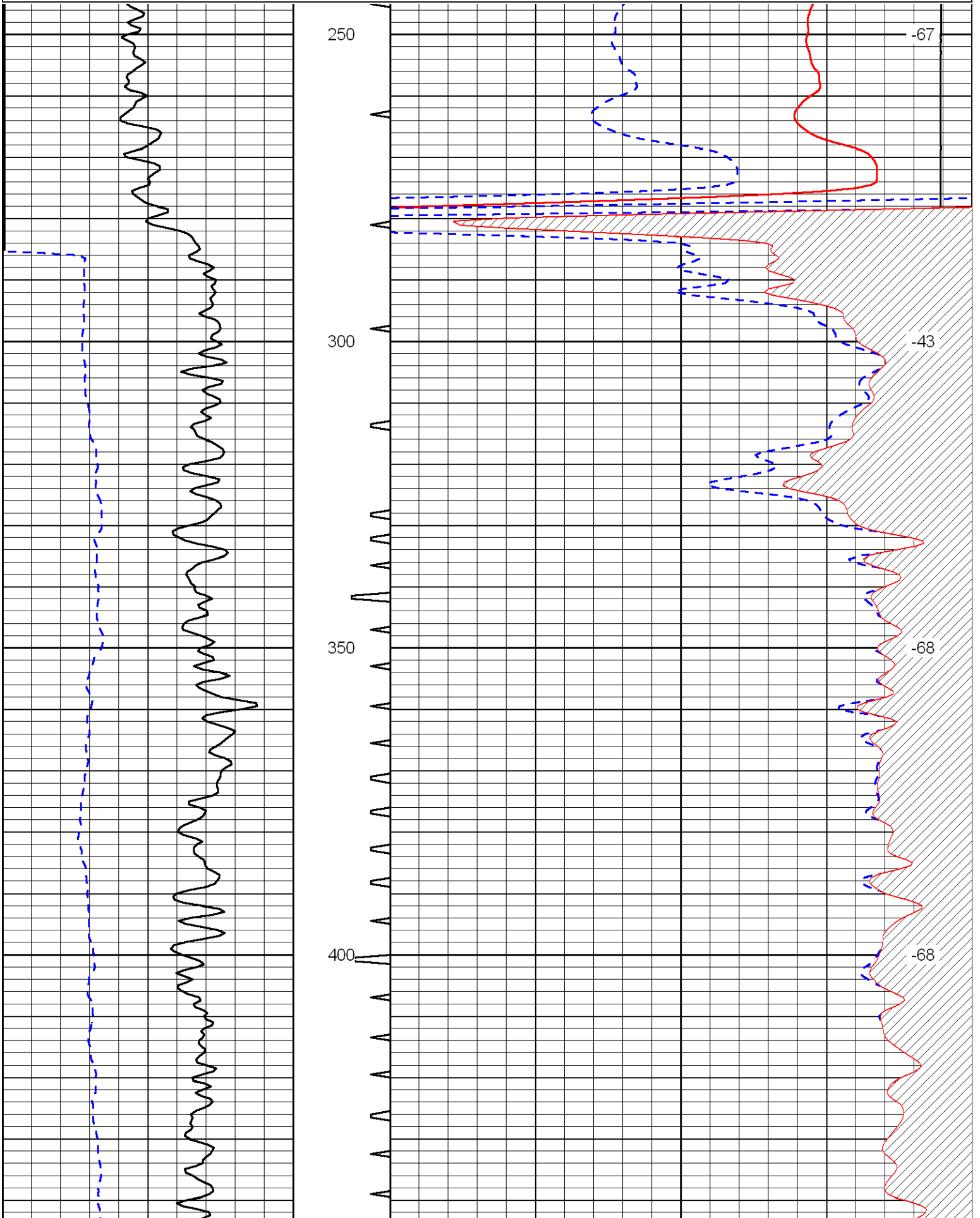
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

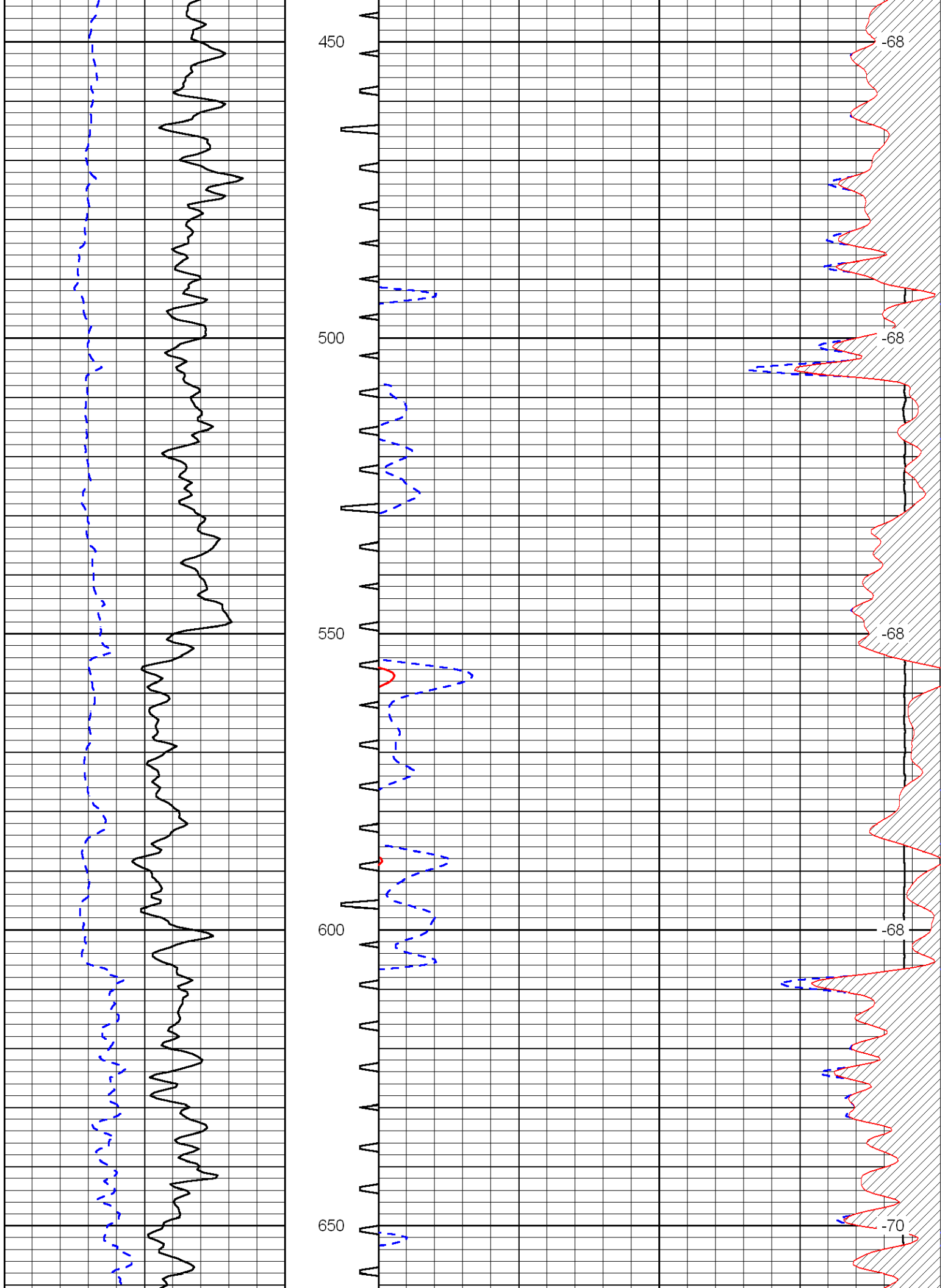
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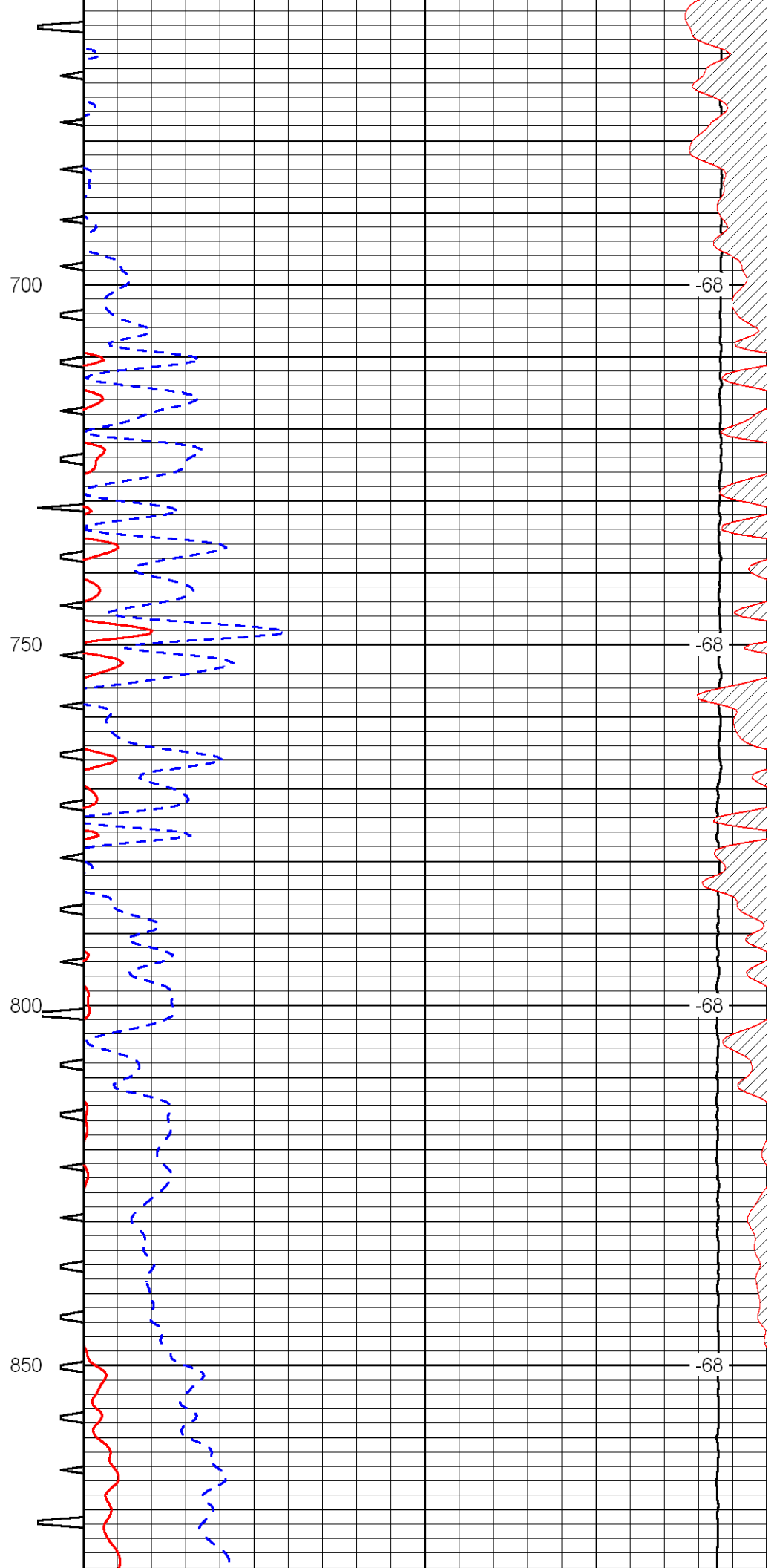
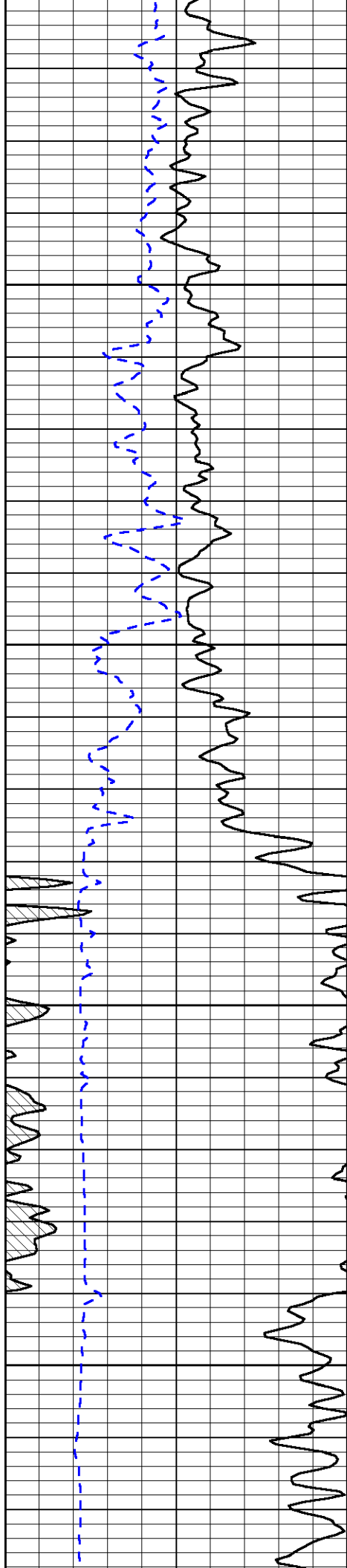
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 (785) 625-3858
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 1/2N, 1/2E, N into

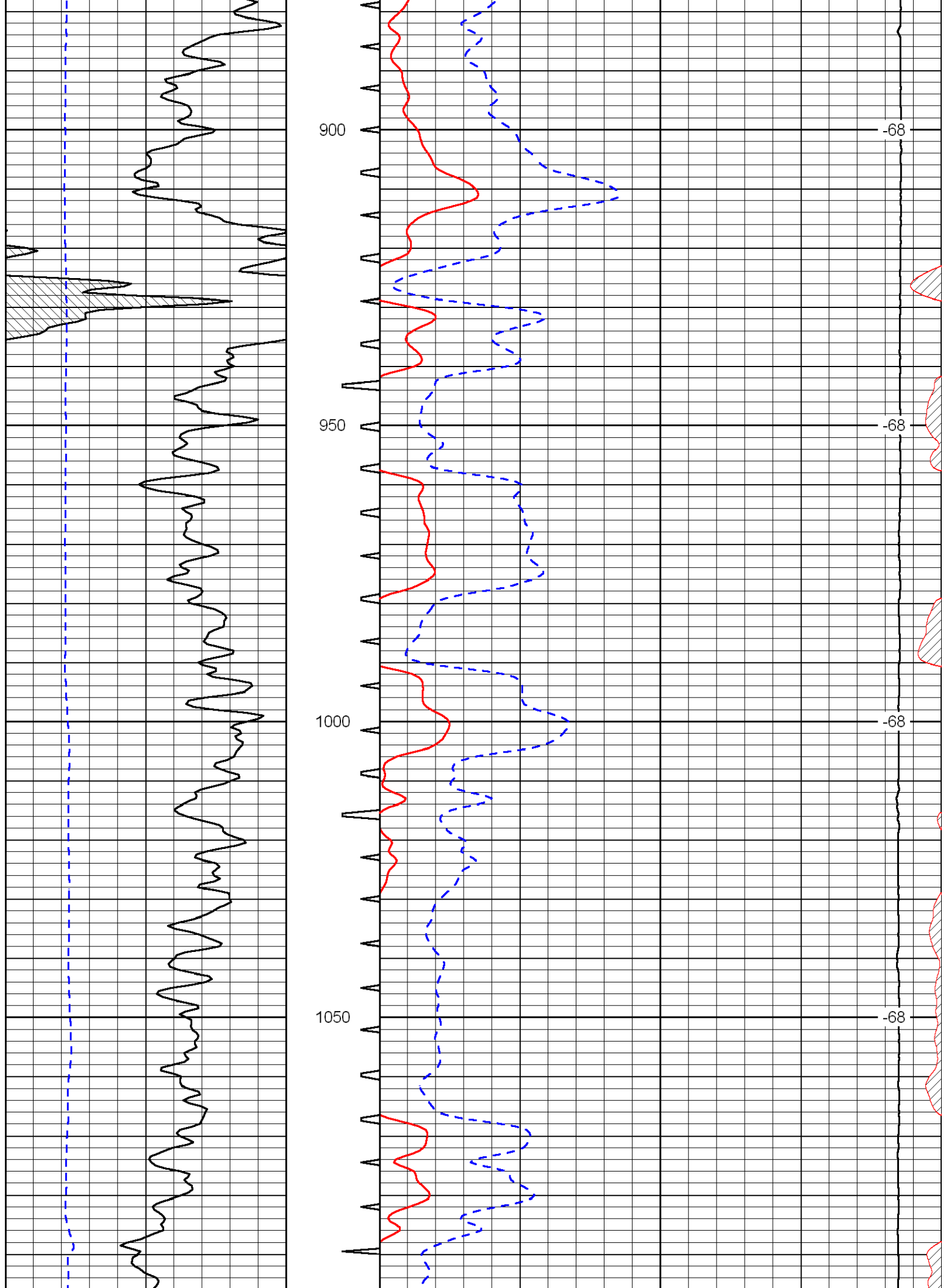
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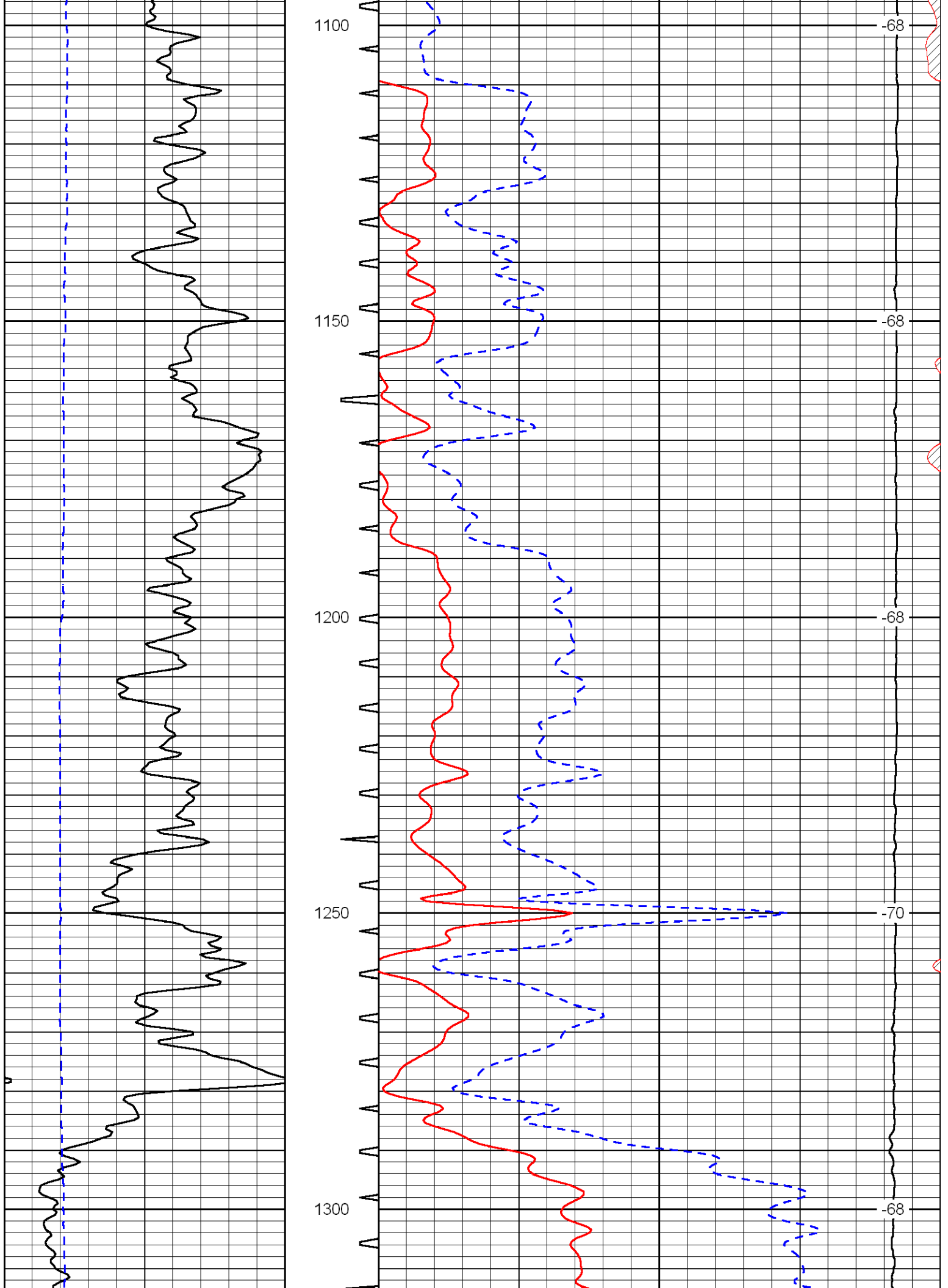
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150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
						LSPD

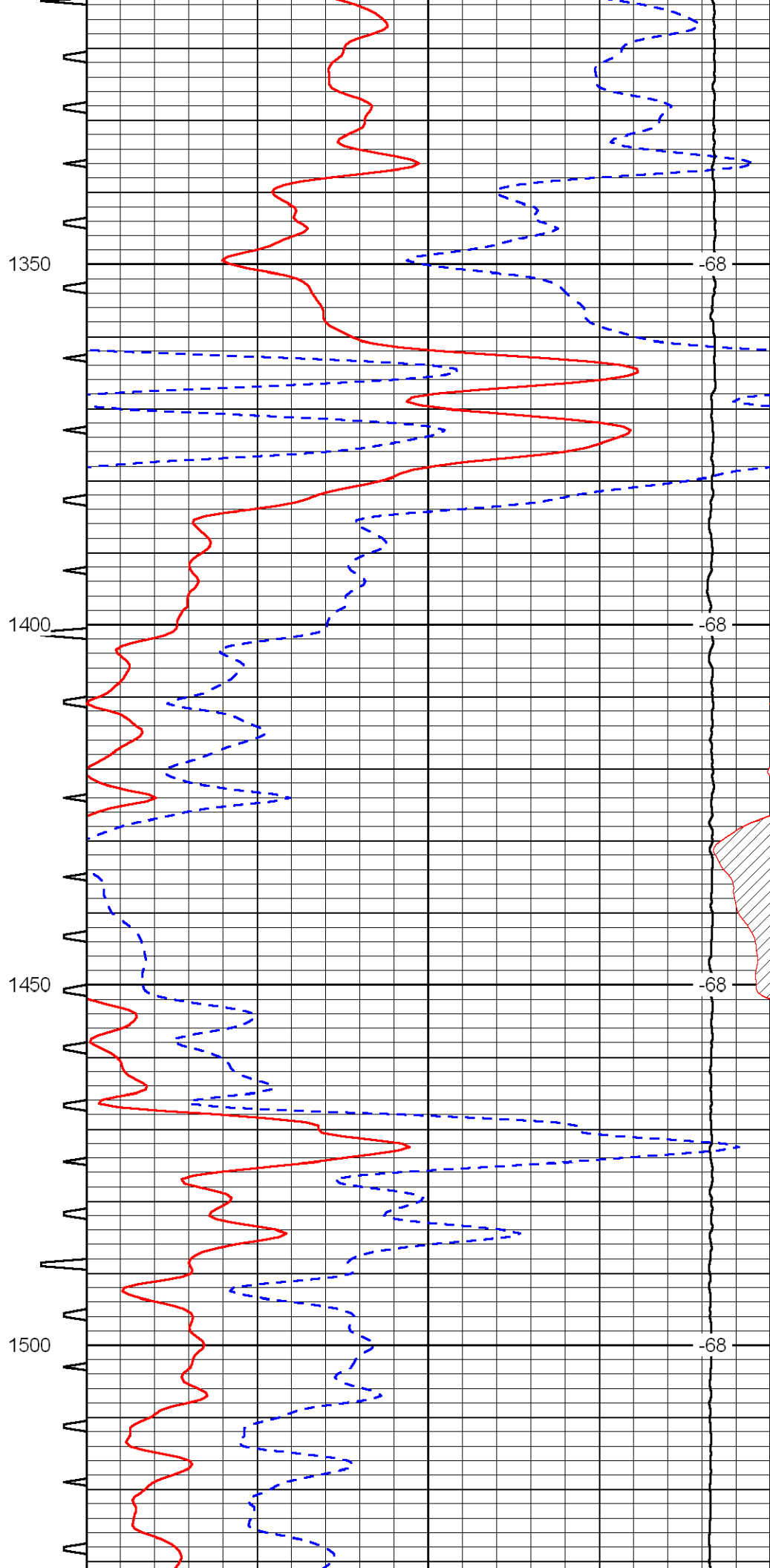
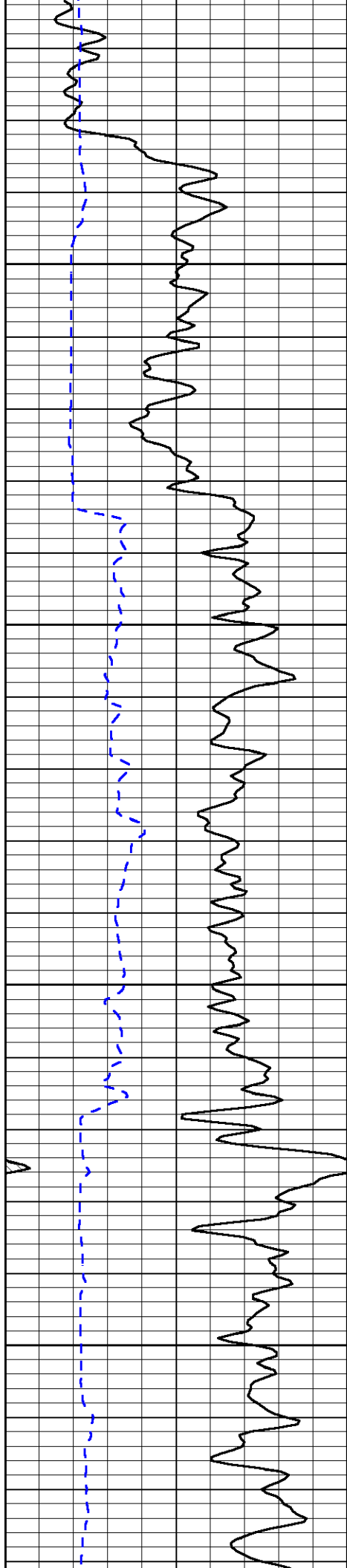


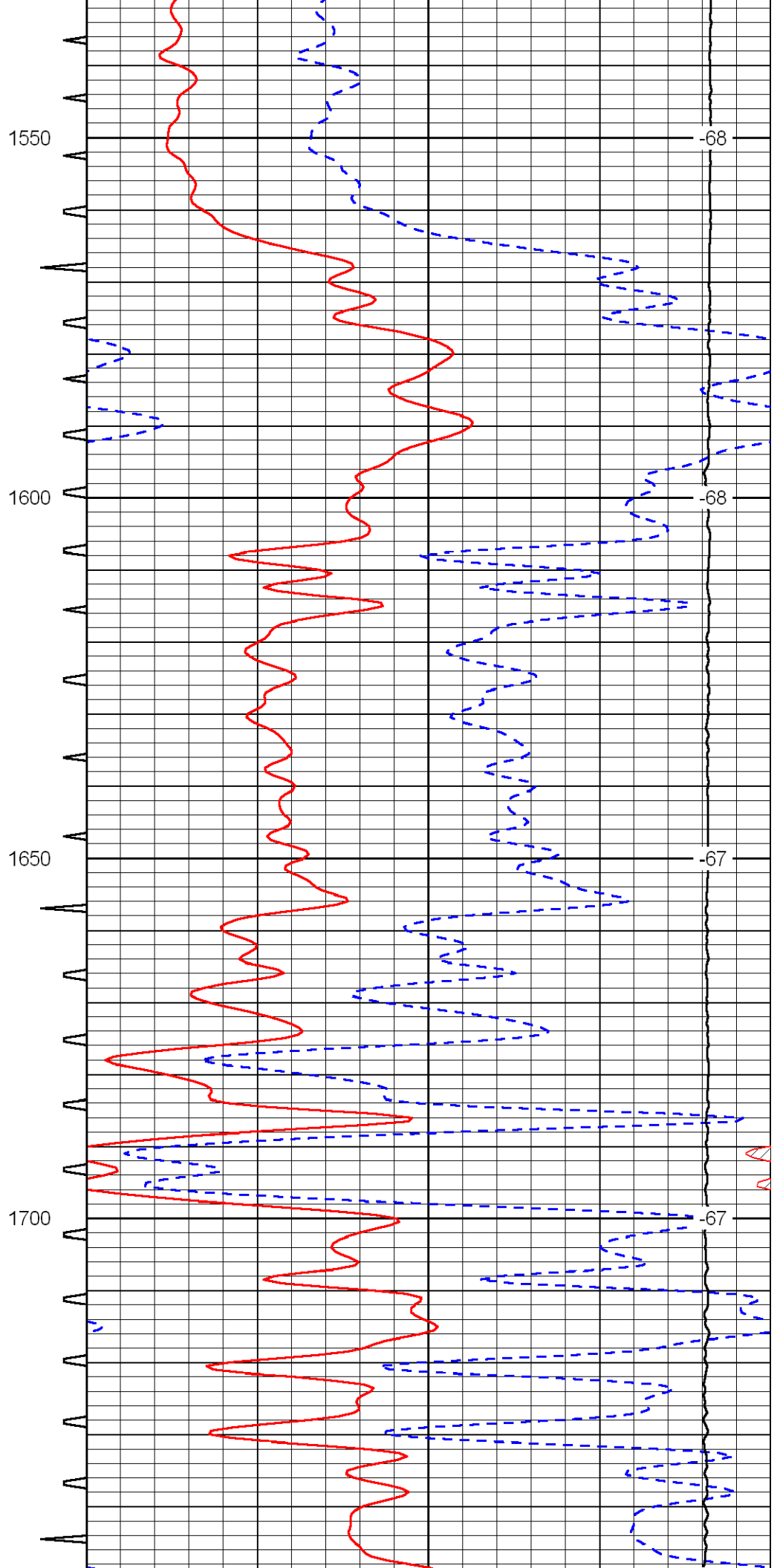
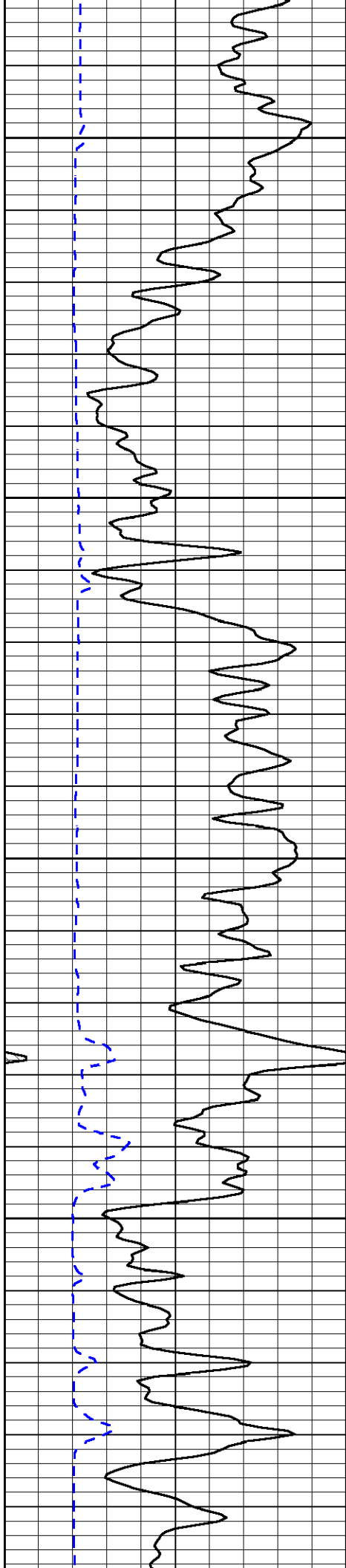


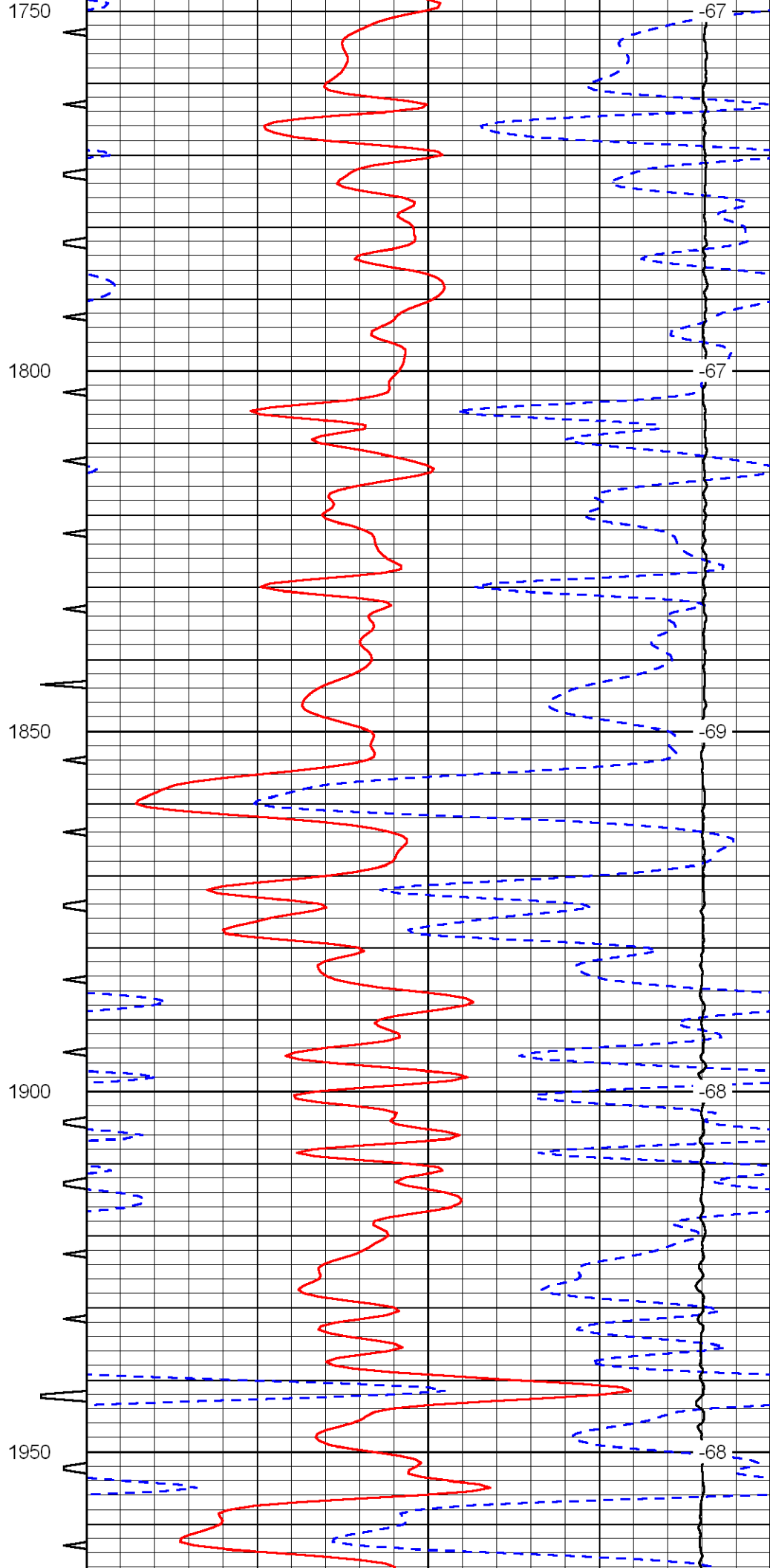
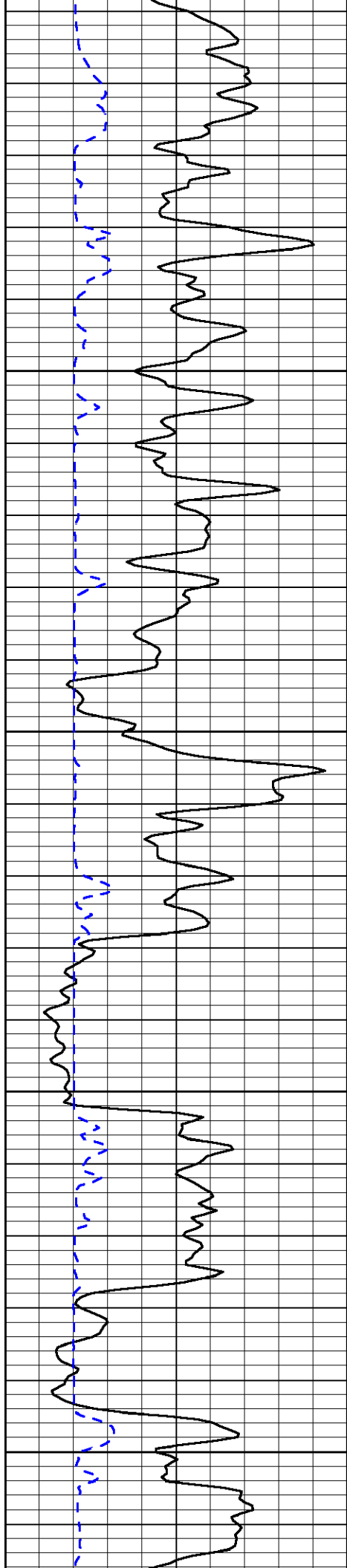


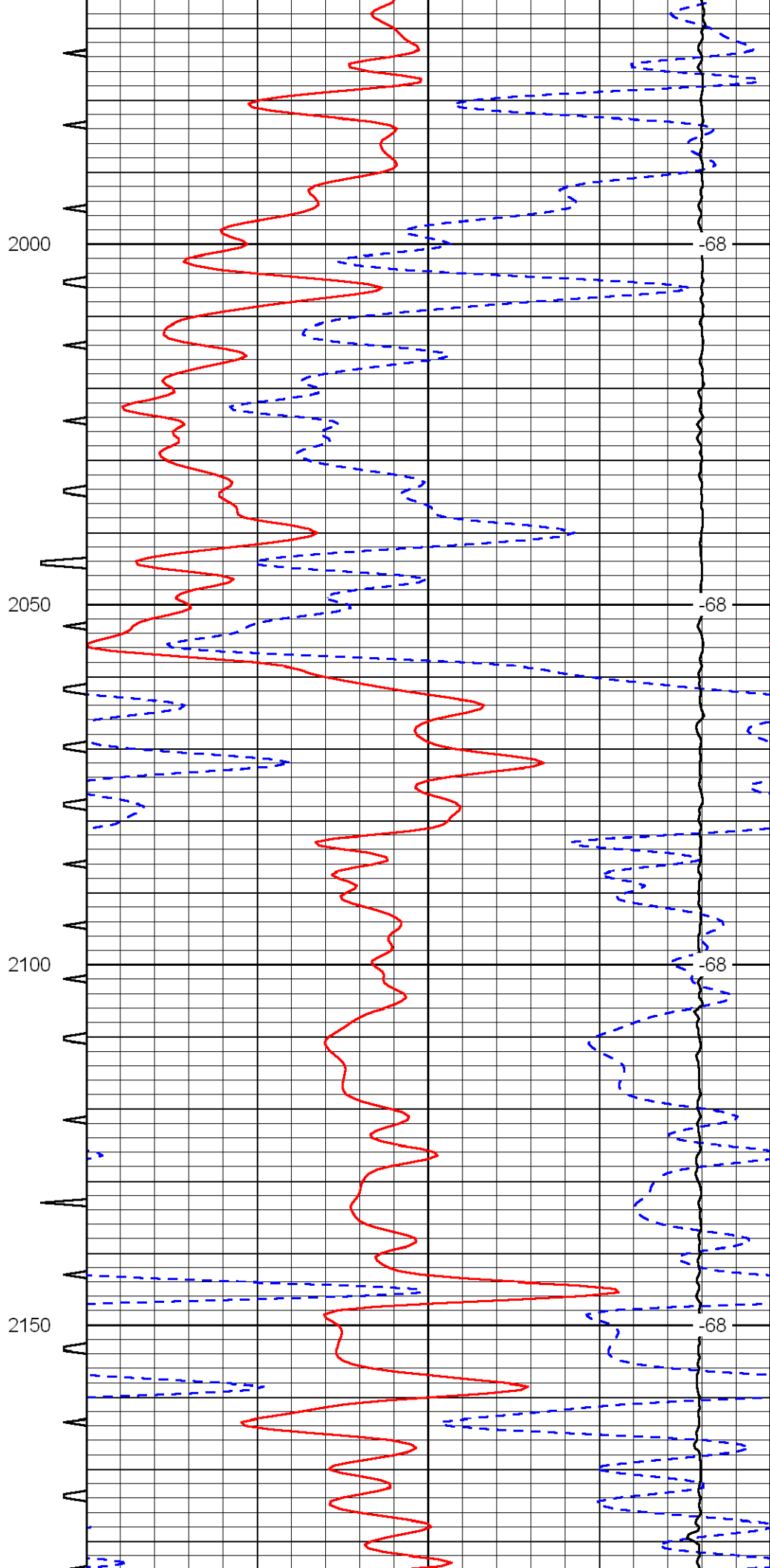
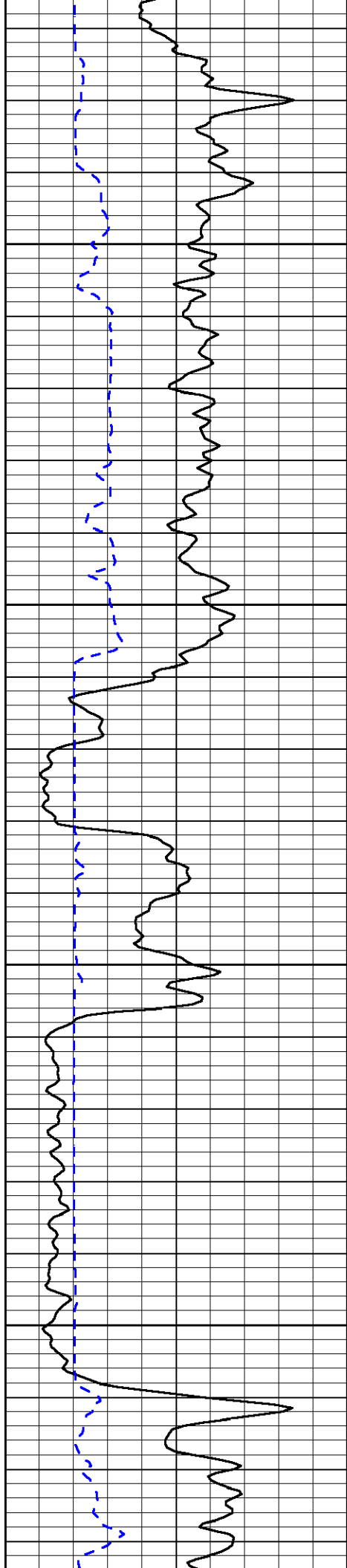


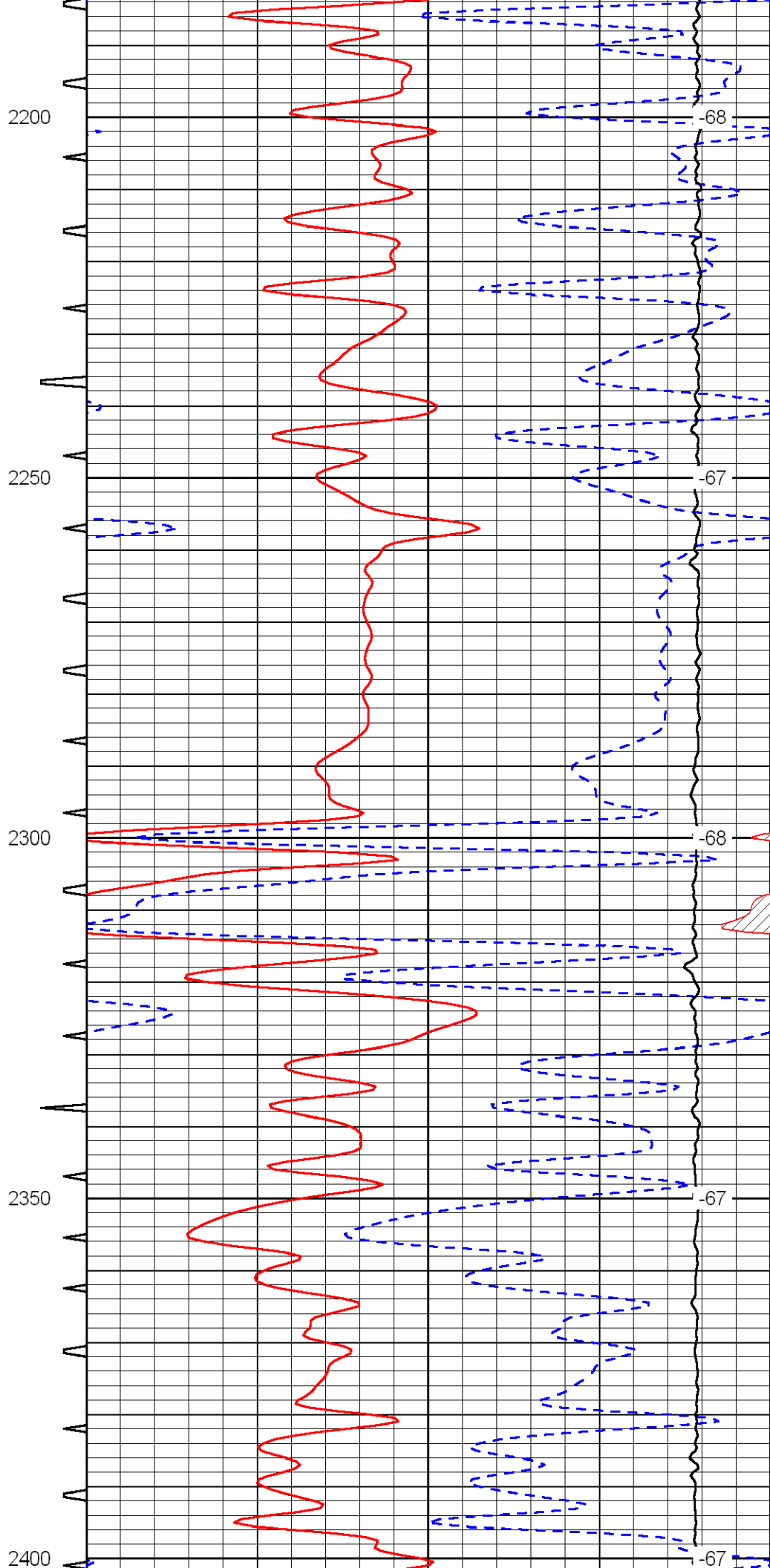
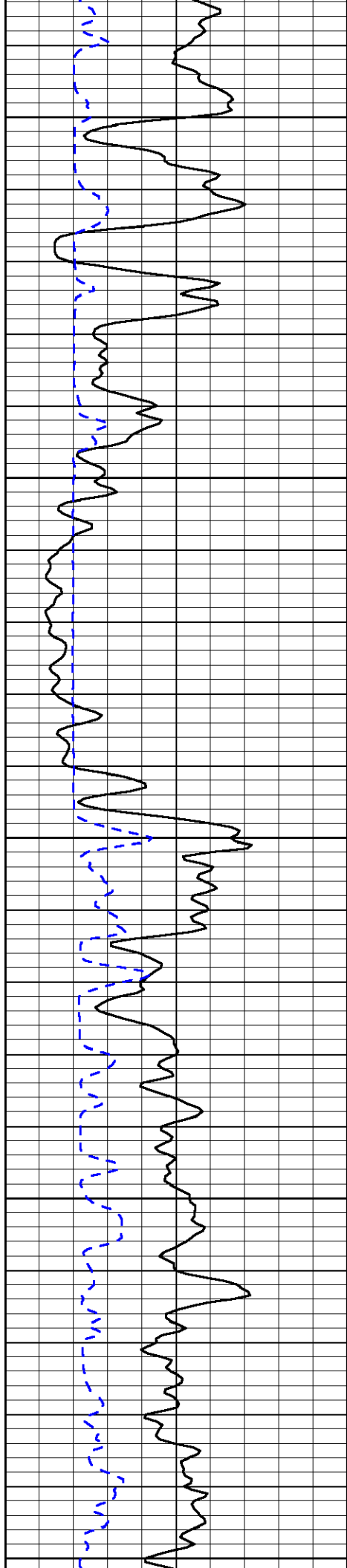


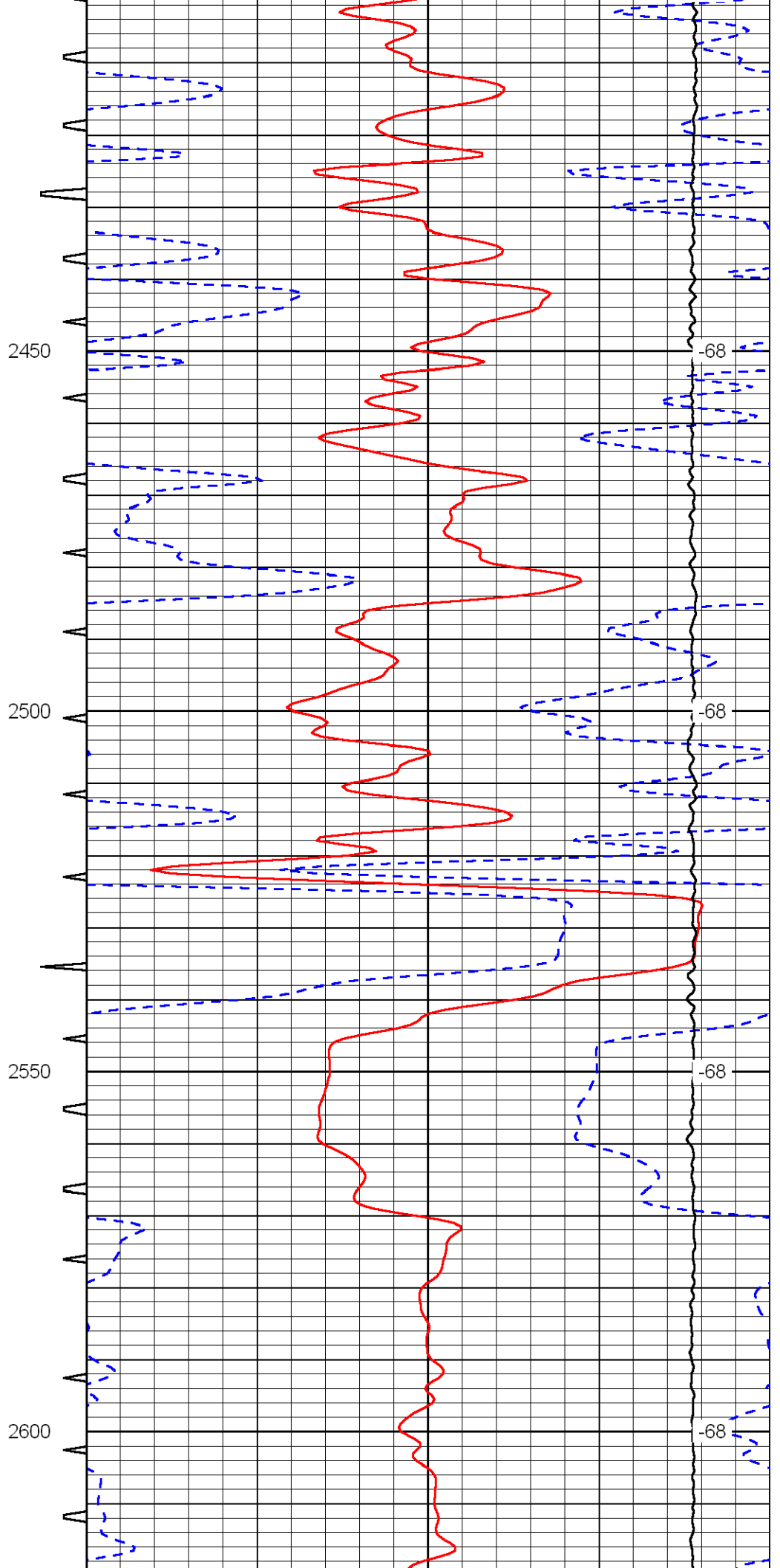
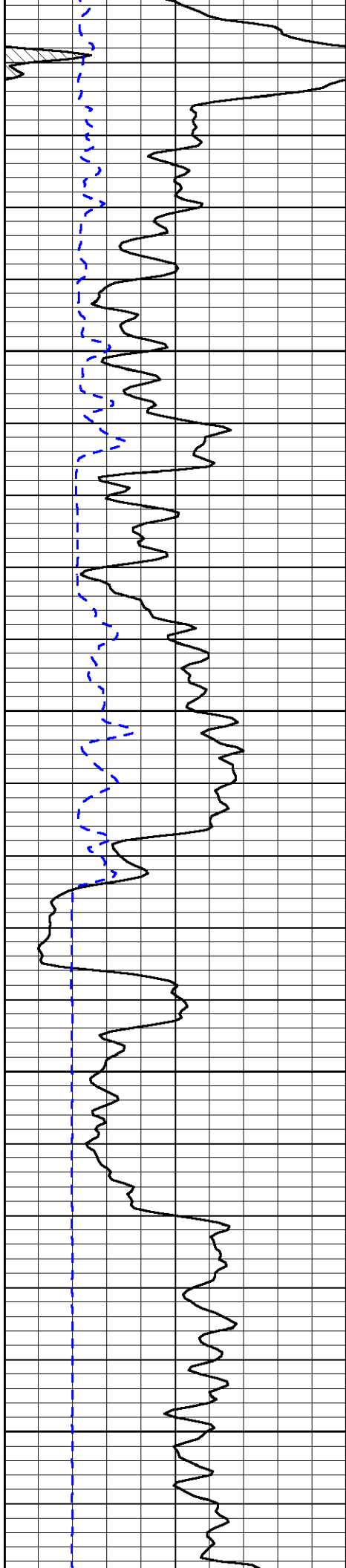


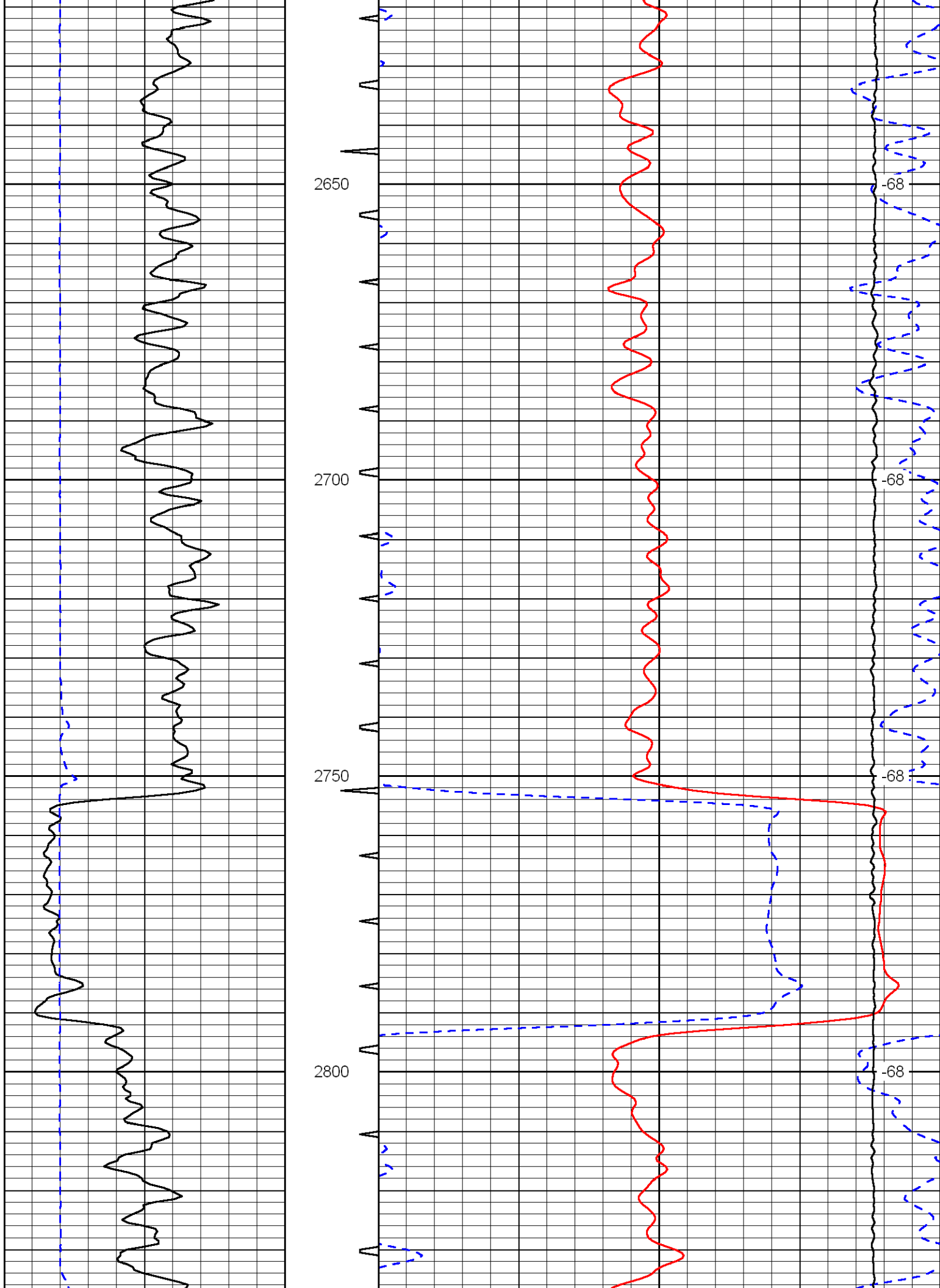


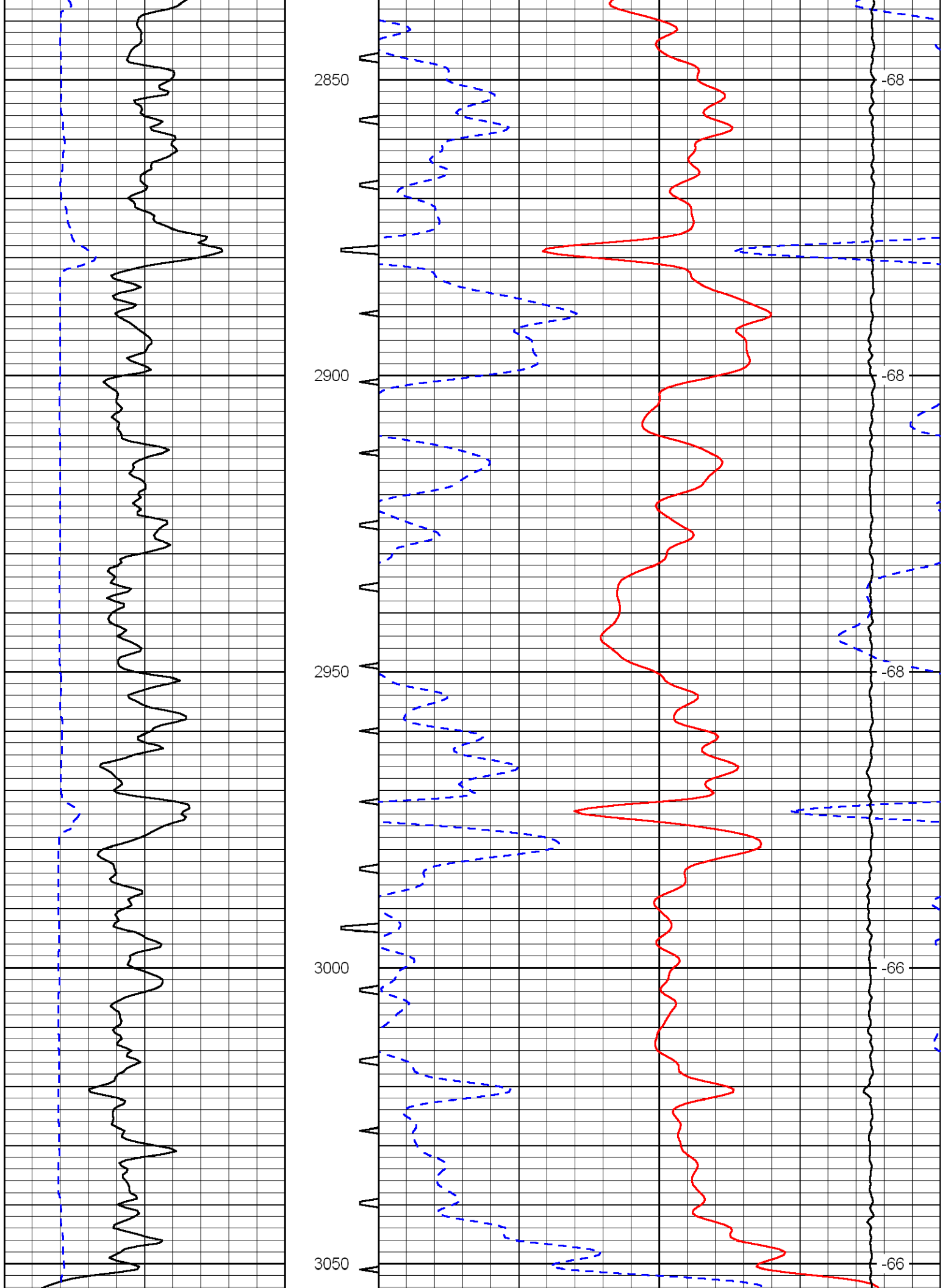


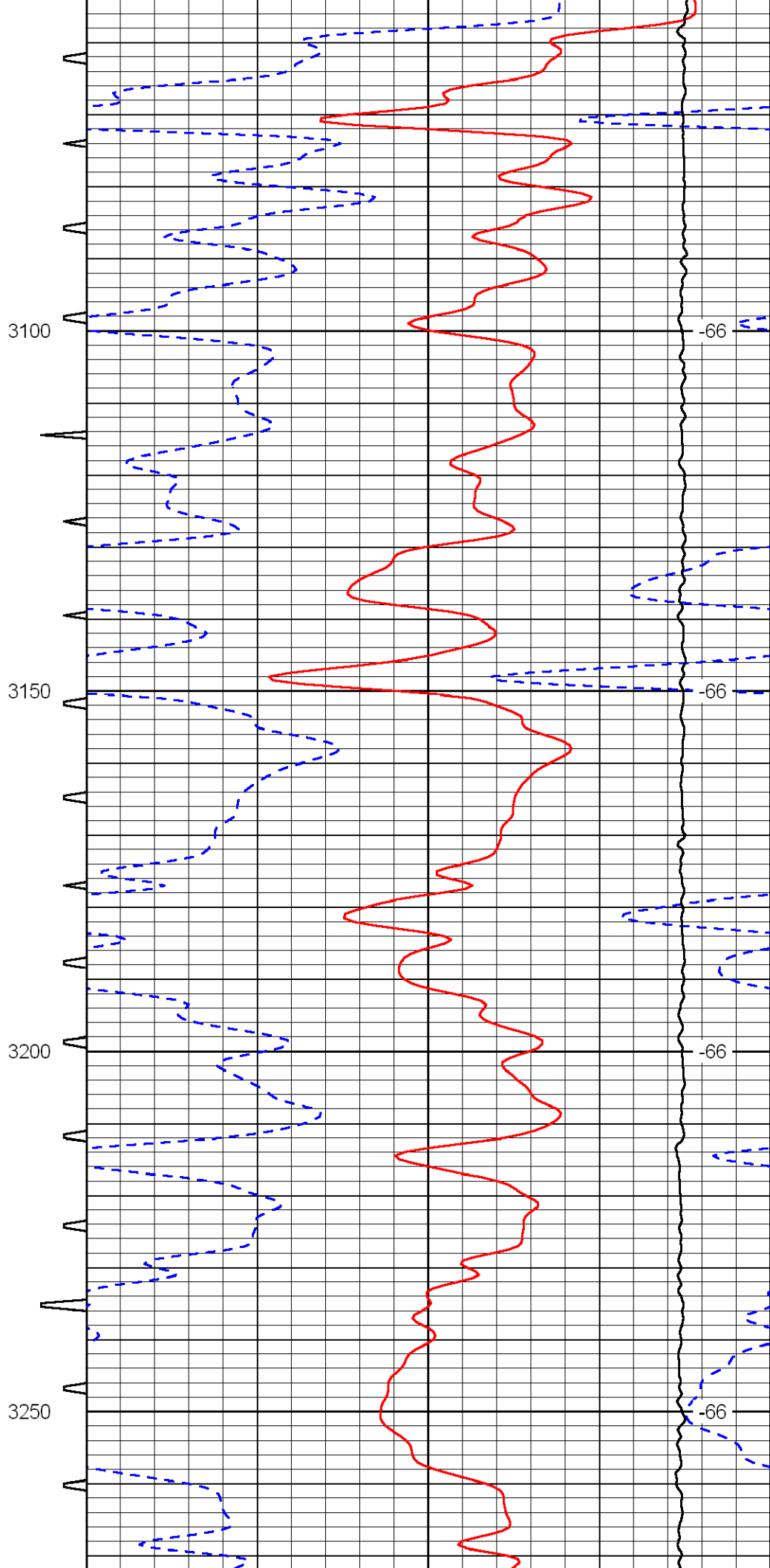
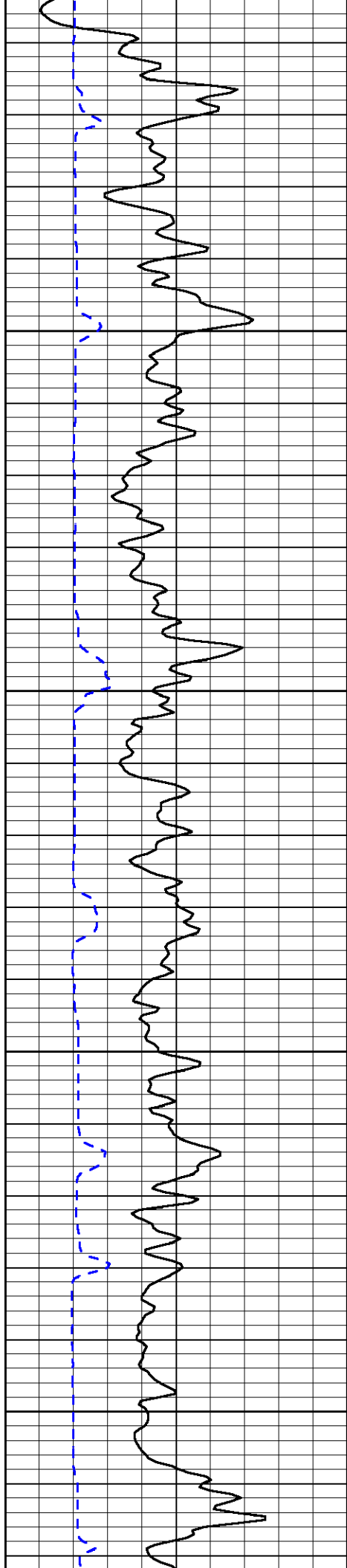


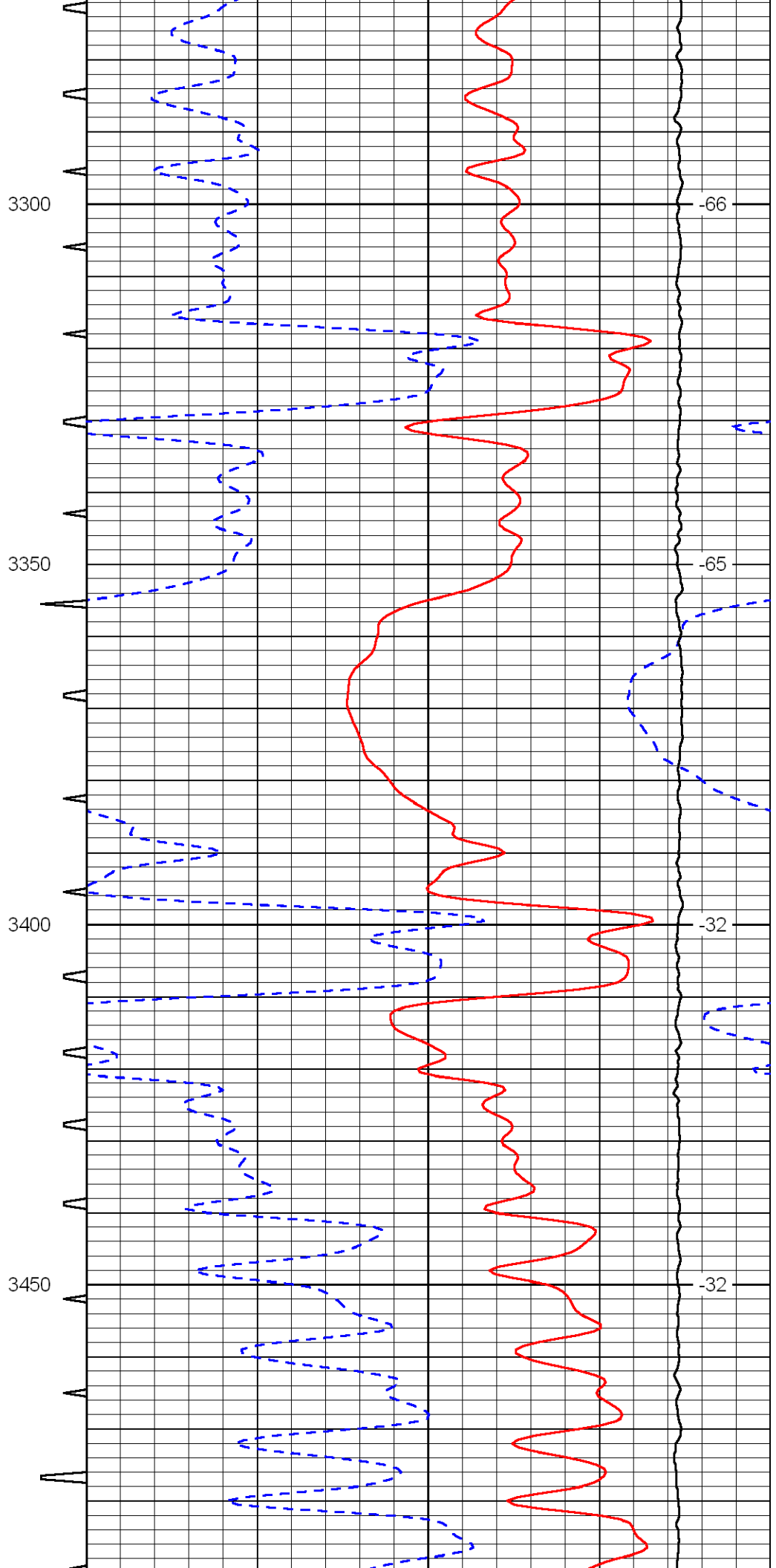
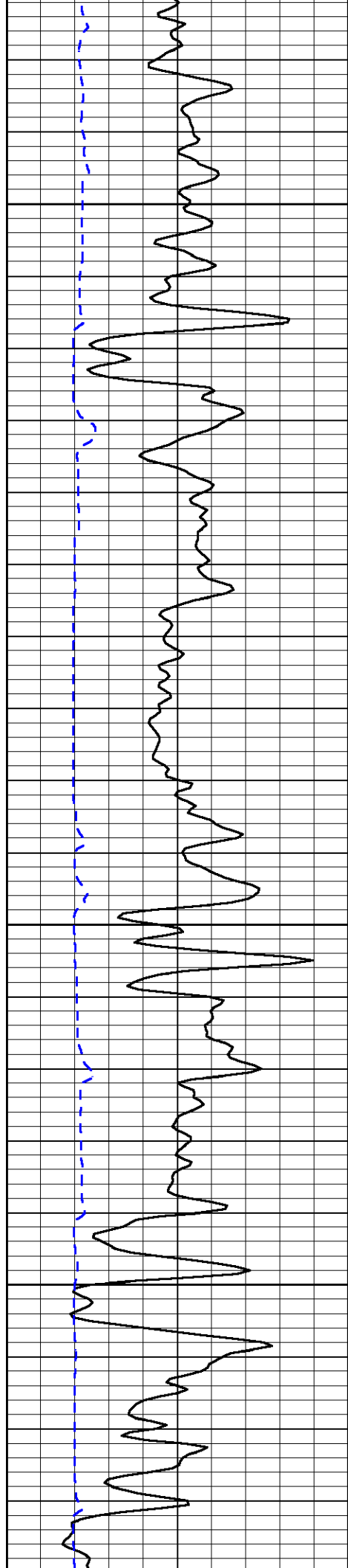


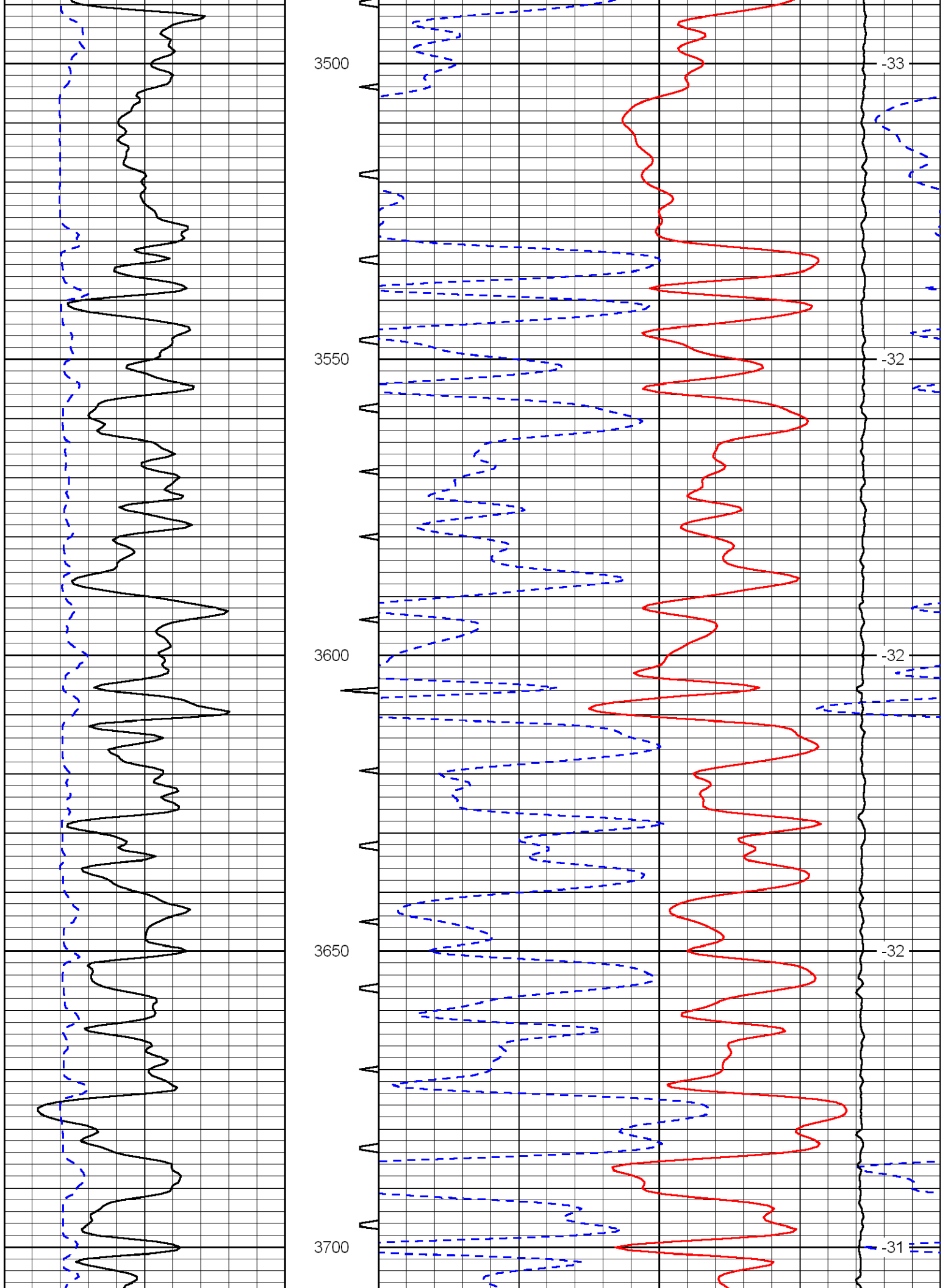


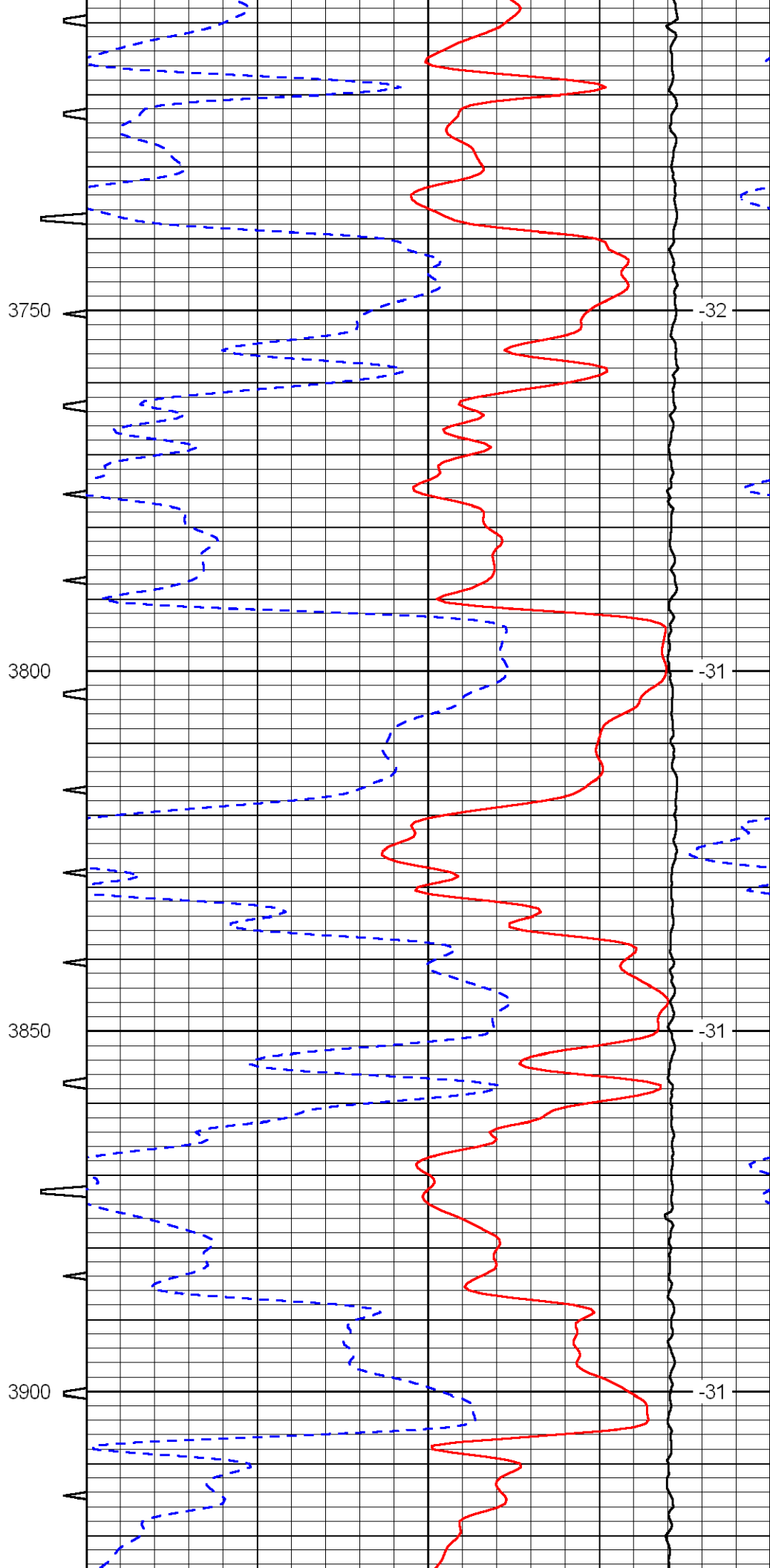
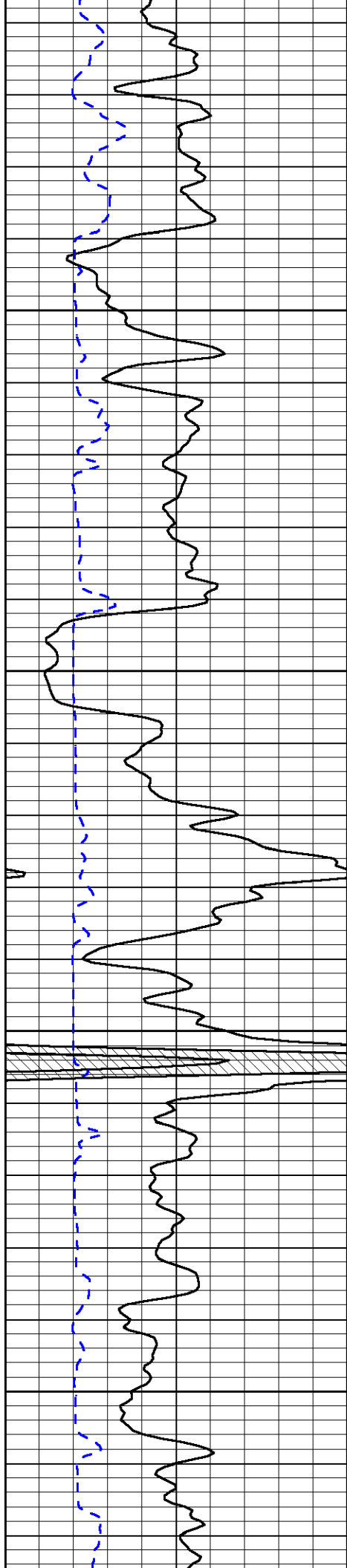


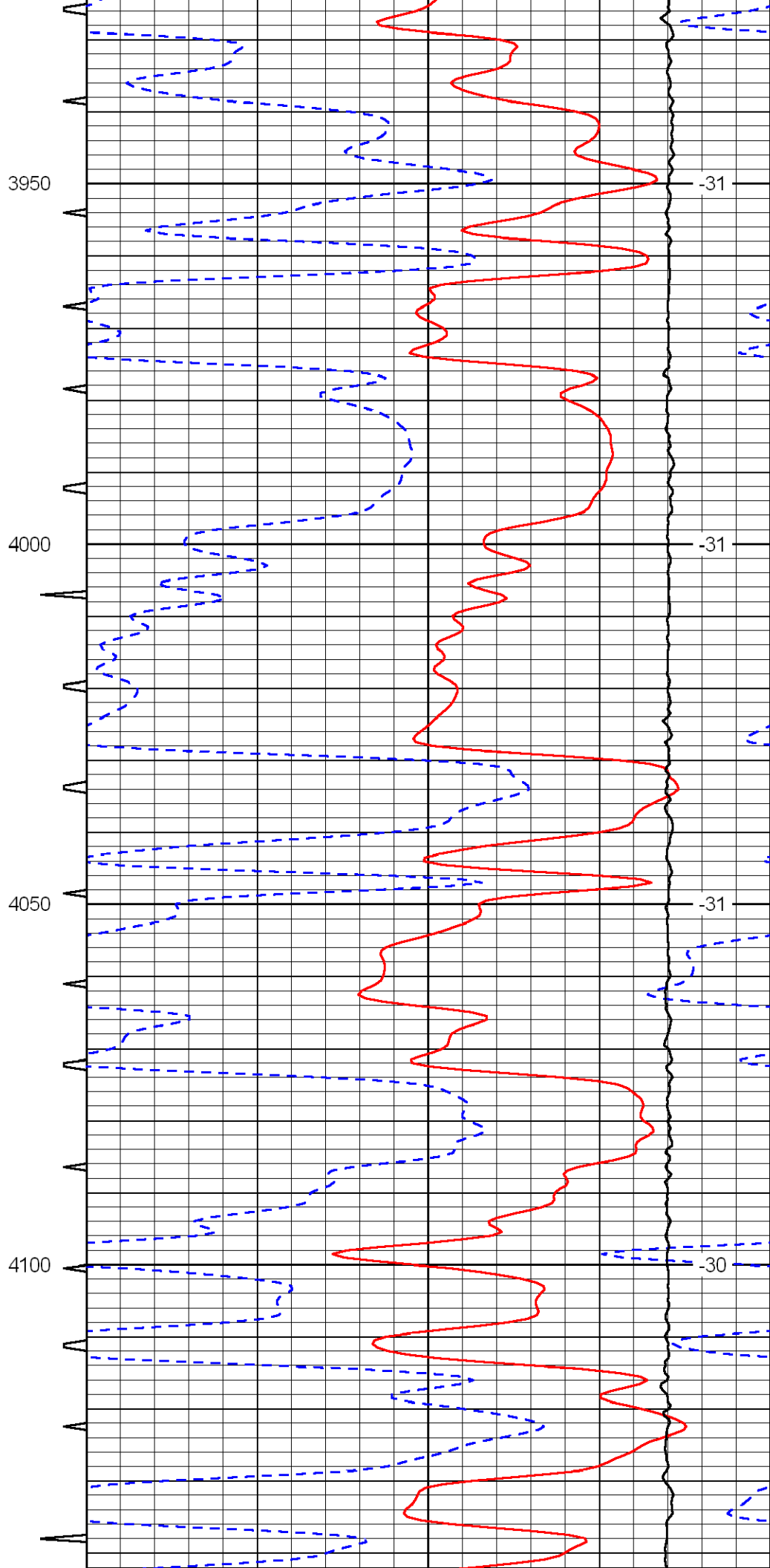
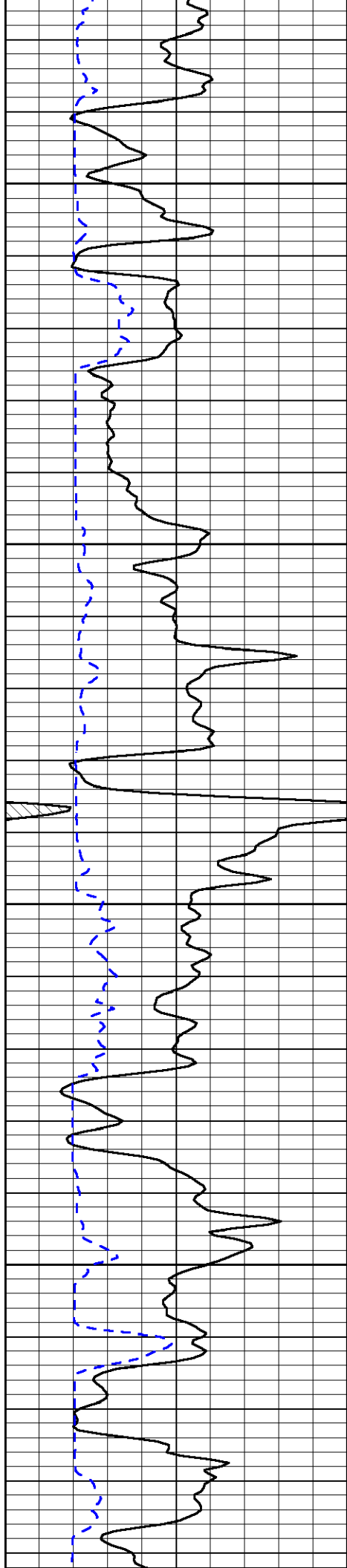


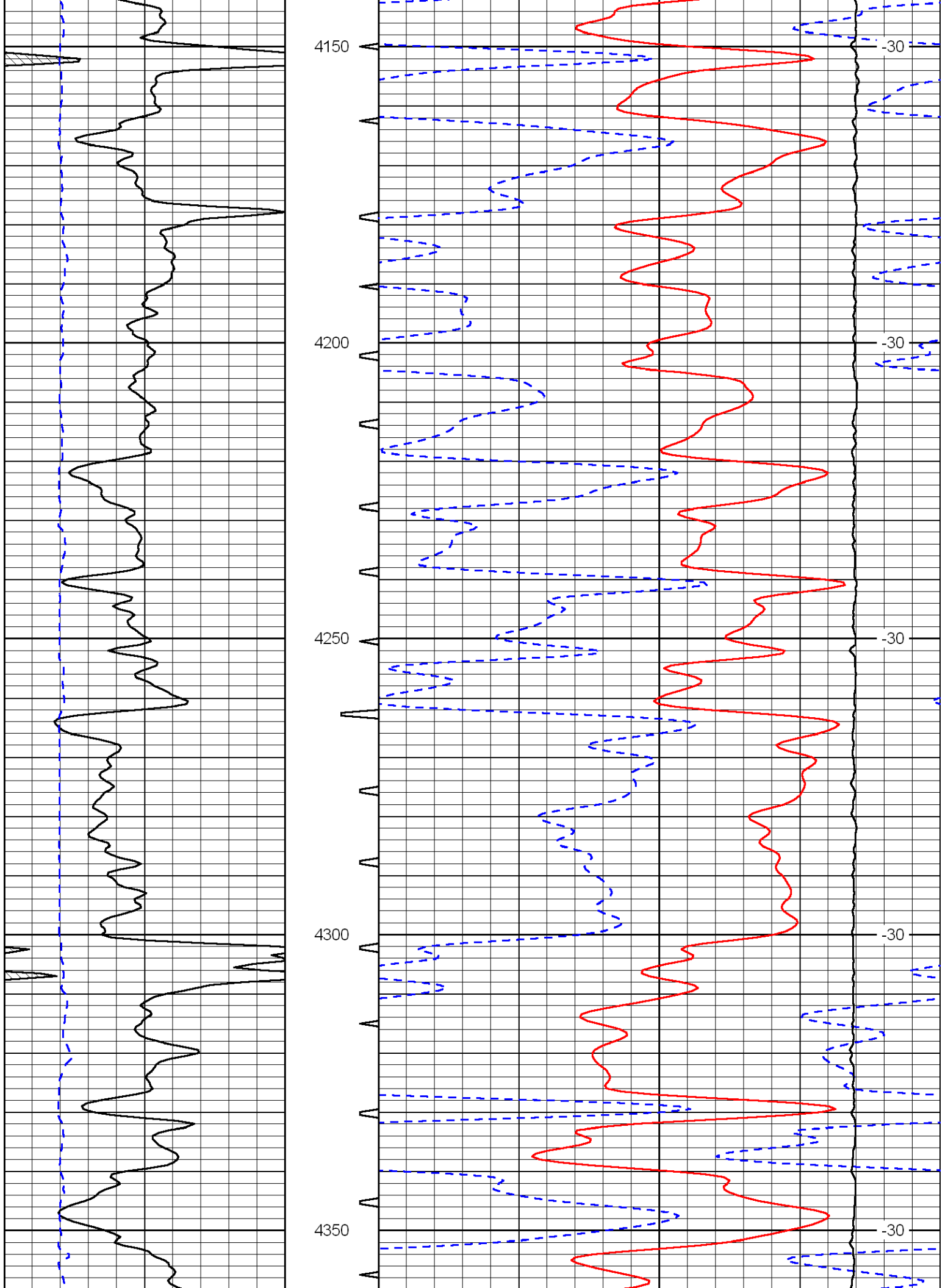


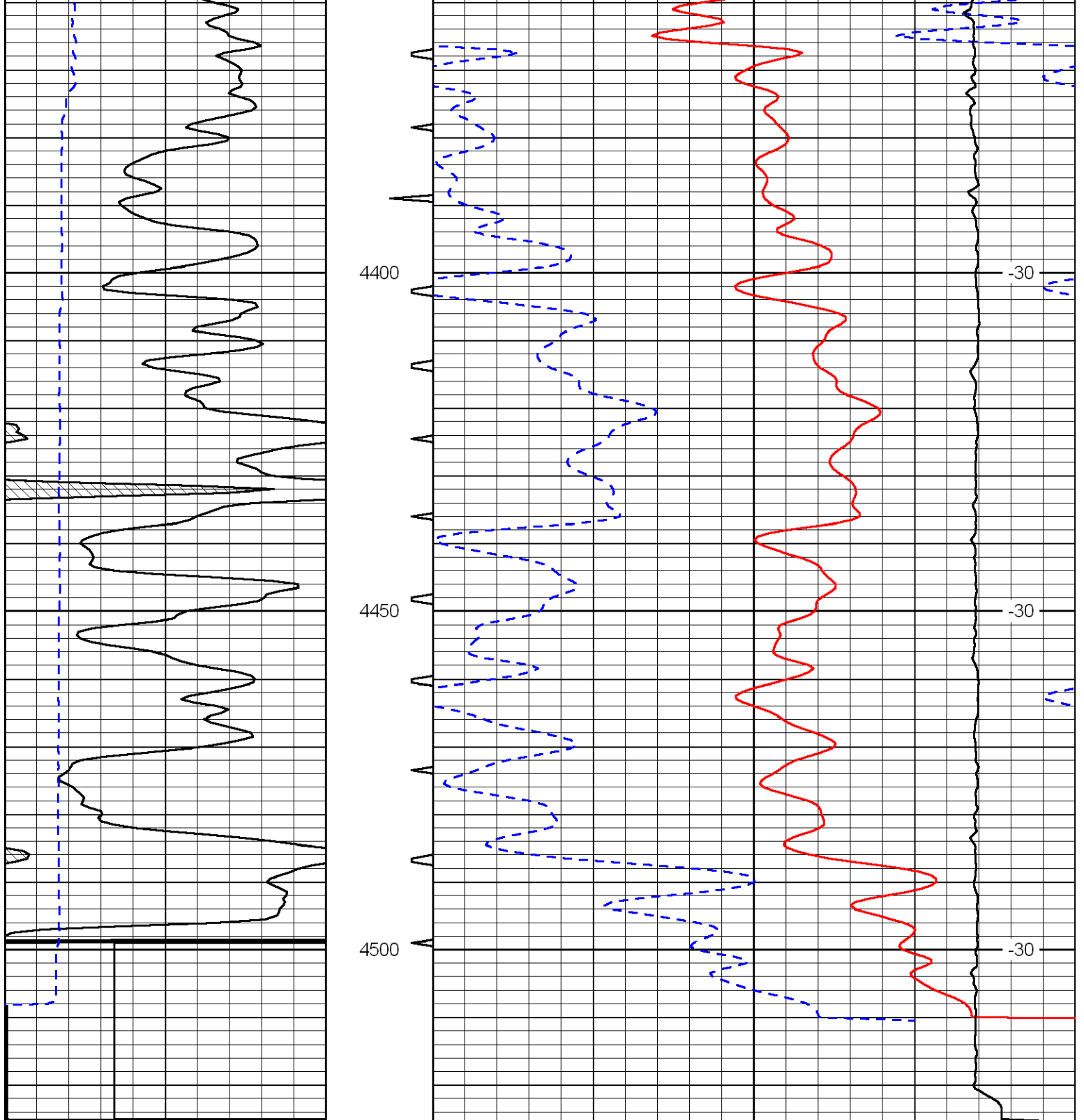












0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40
150	Gamma Ray	300	5	0	Sonic Porosity	-10
6	dCAL (GAPI)	16		15000	LTEN (lb)	0
LSPD						



DIGITAL LOG (785) 625-3858

Dual Induction Log

API No.	15-153-20,901-00-00	
Company	Credo Petroleum Corporation	
Well	Hartner #1-10	
Field	Wildcat	
County	Rawlins	State Kansas
Location	E2 SE NE 1980' FNL / 330' FEL	
Sec: 10	Twp: 1S	Rge: 32W
Permanent Datum	Ground Level	Elevation 2940
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	K.B. 2945 D.F. 2940 G.L. 2940

Date	6/4/2012
Run Number	One
Depth Driller	4519
Depth Logger	4520
Bottom Logged Interval	4519
Top Log Interval	250
Casing Driller	8.625 @ 282
Casing Logger	278
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2000
Density / Viscosity	9.2 56
pH / Fluid Loss	10.5 7.6
Source of Sample	Flowline
Rm @ Meas. Temp	1.00 @ 95
Rmf @ Meas. Temp	0.75 @ 95
Rmc @ Meas. Temp	1.35 @ 95
Source of Rmf / Rmc	Charts
Rm @ BHT	0.78 @ 121
Operating Rig Time	5 Hours
Max Rec. Temp. F	121
Equipment Number	15
Location	Hays
Recorded By	R. Barnhart
Witnessed By	Bruce Ard

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

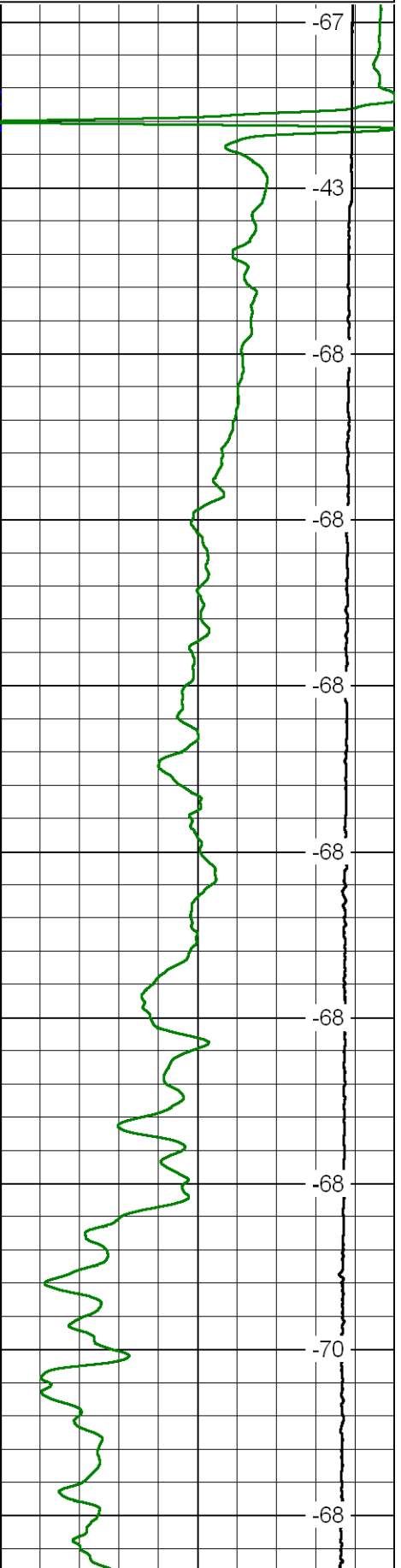
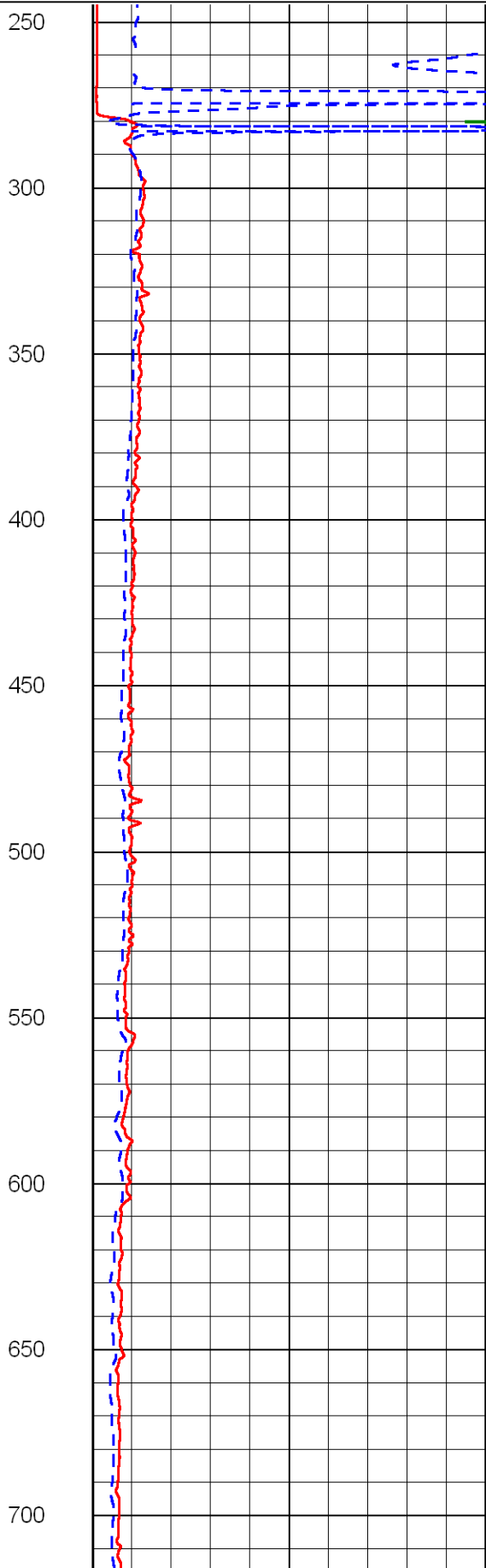
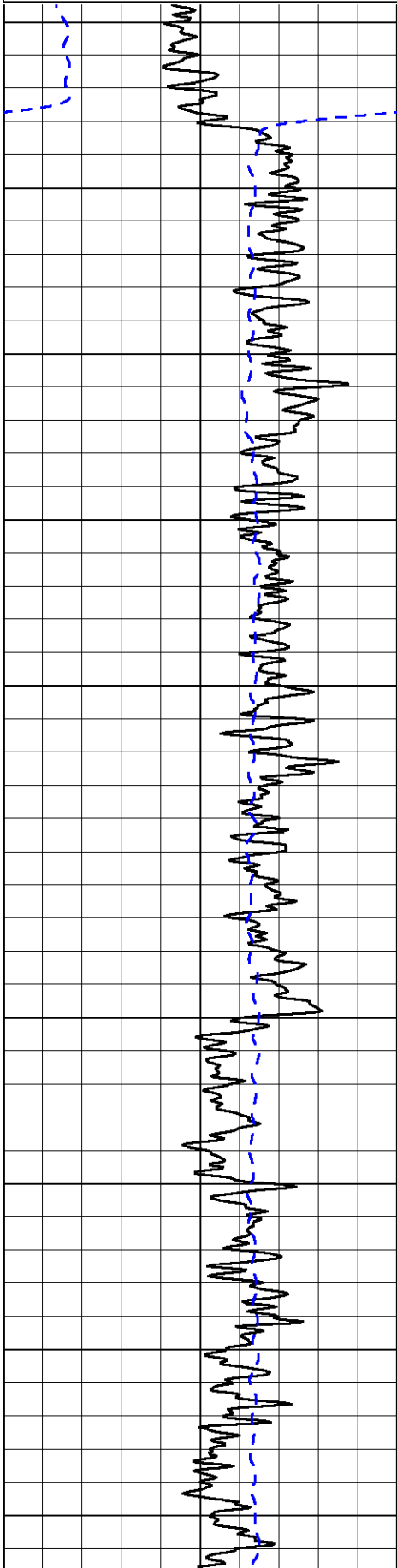
Thank you for using Log-Tech, Inc.
 (785) 625-3858
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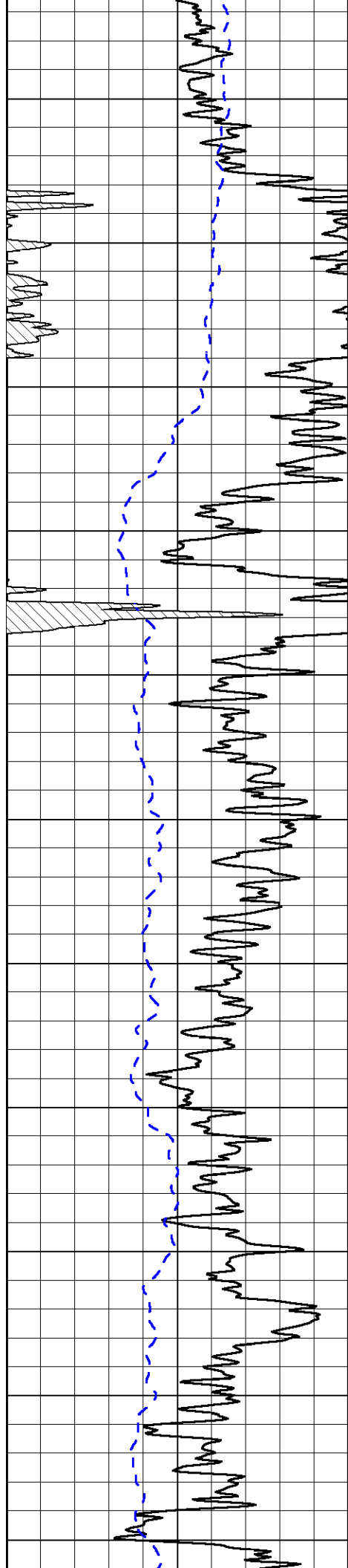
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-200 SP 0

0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

LSPD





750

800

850

900

950

1000

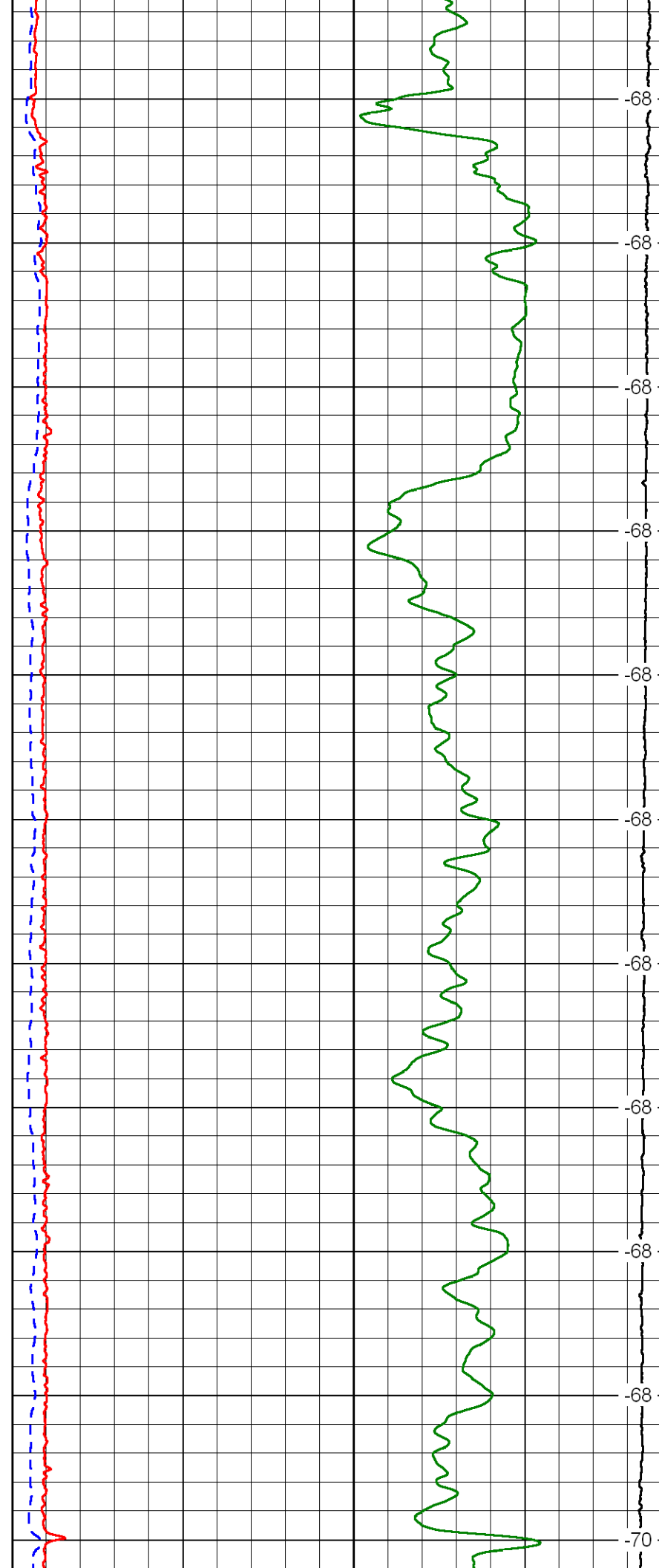
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1100

1150

1200

1250



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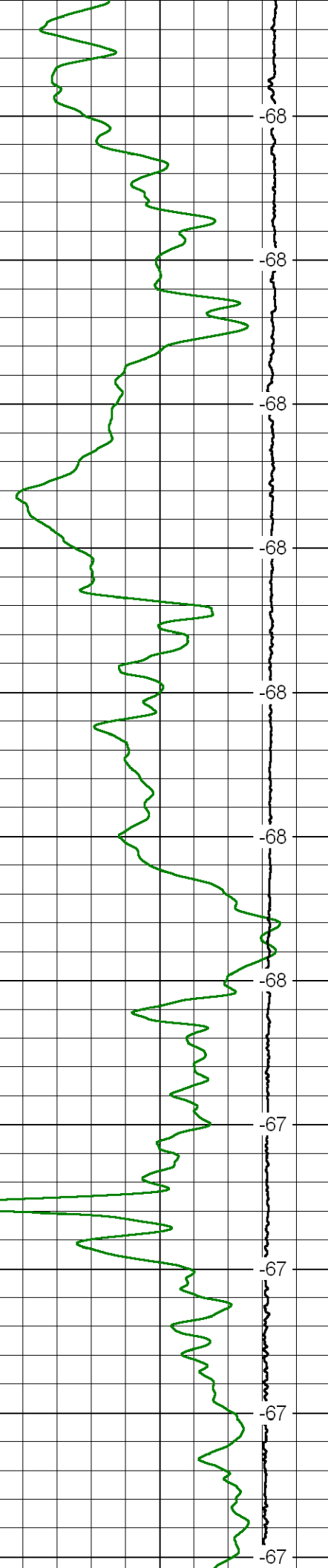
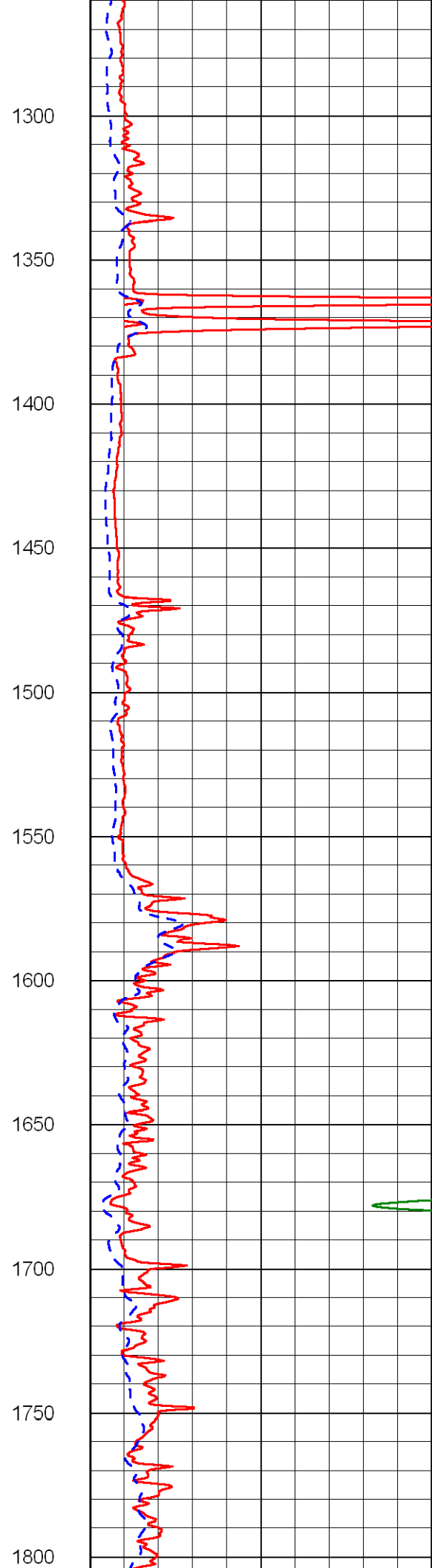
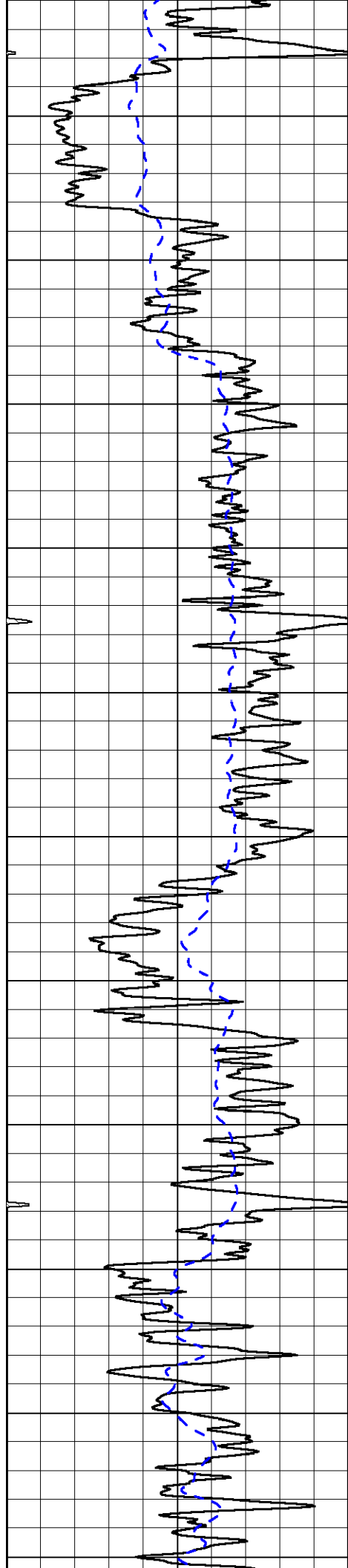
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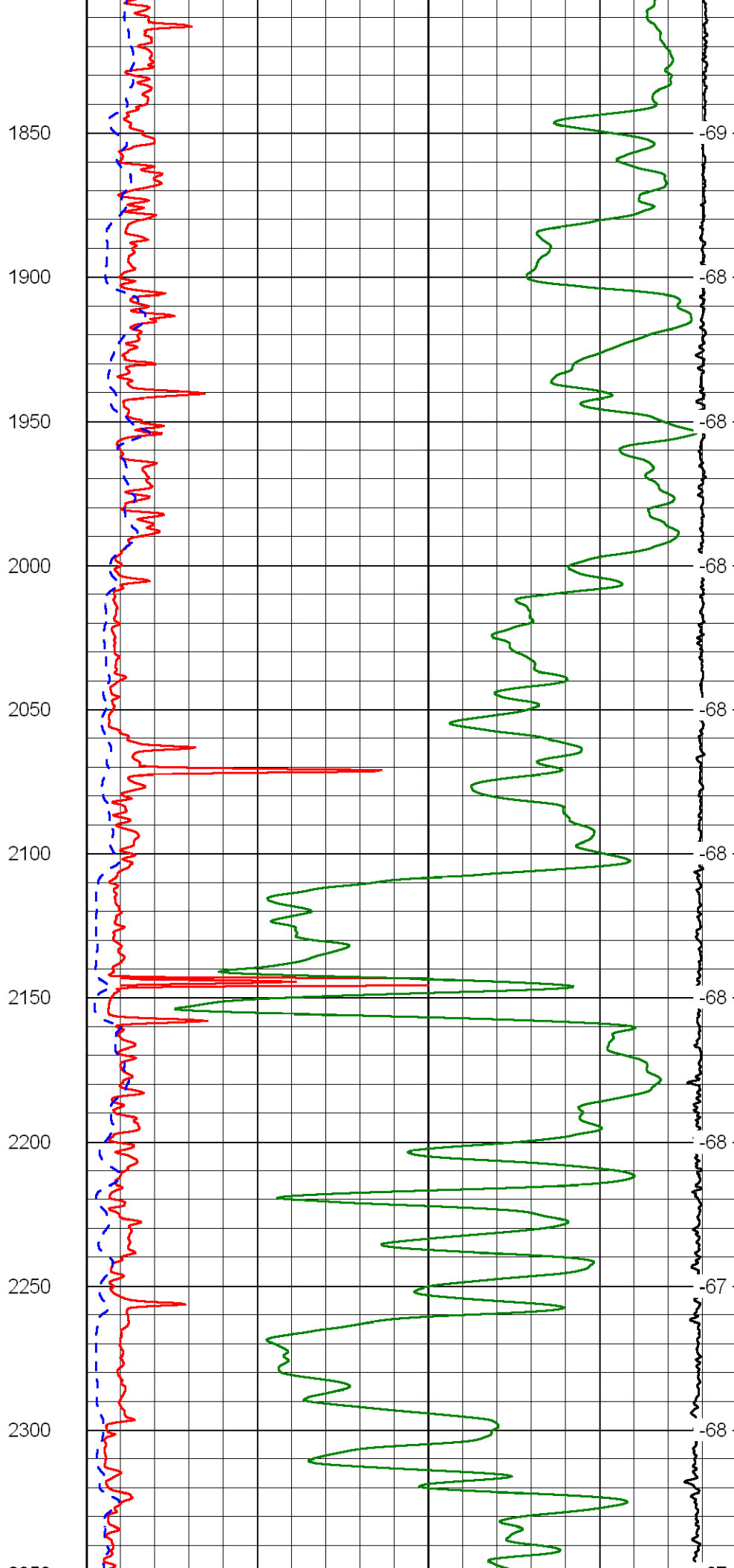
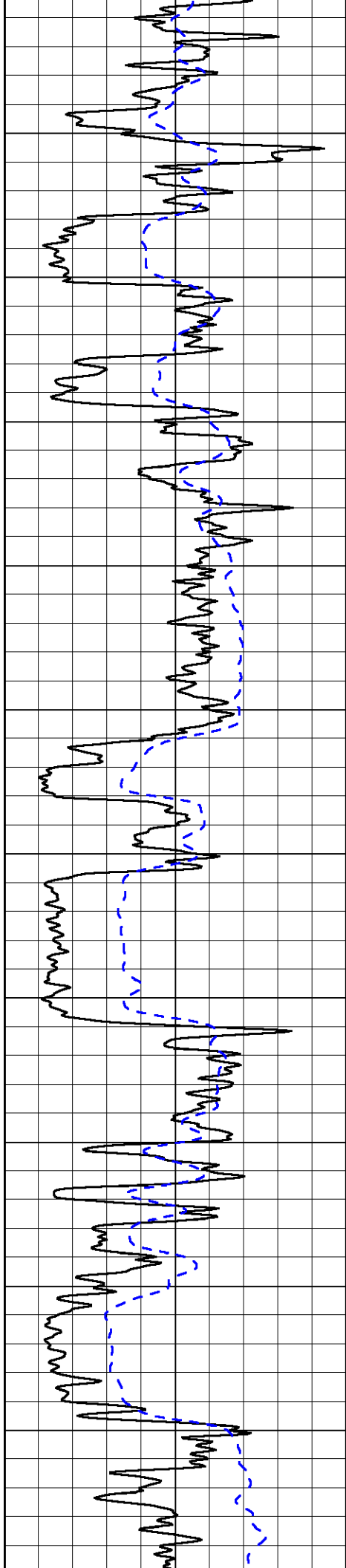
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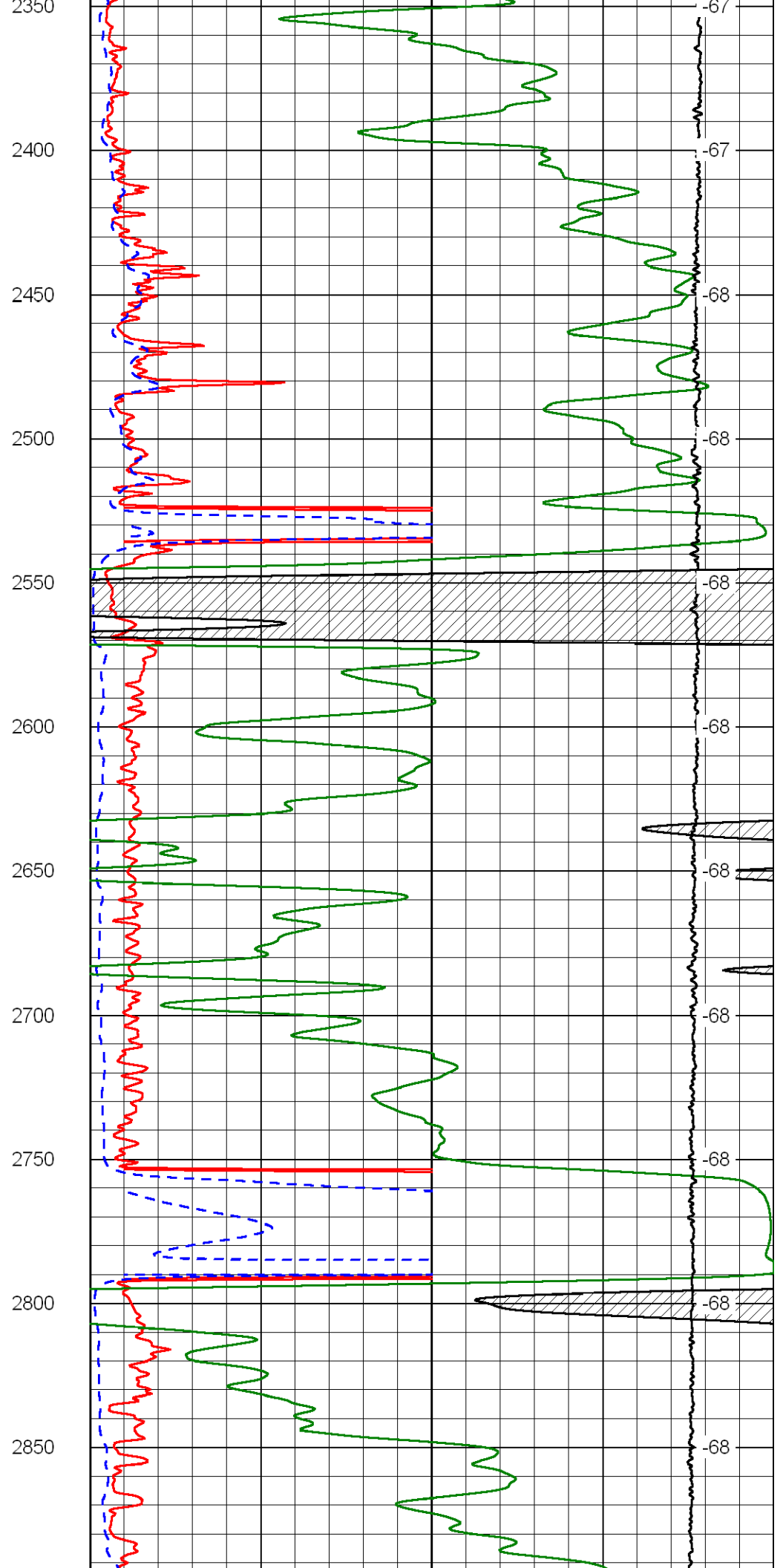
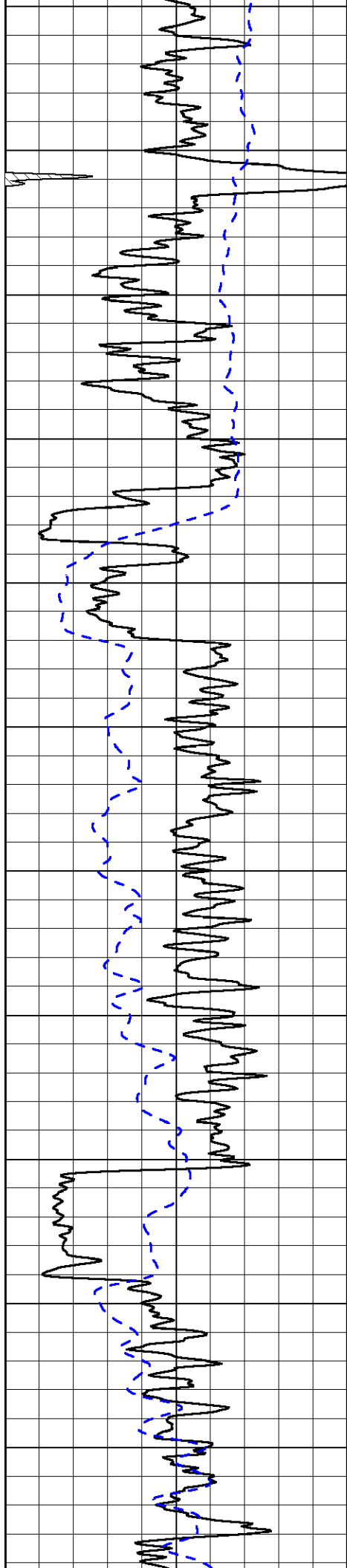
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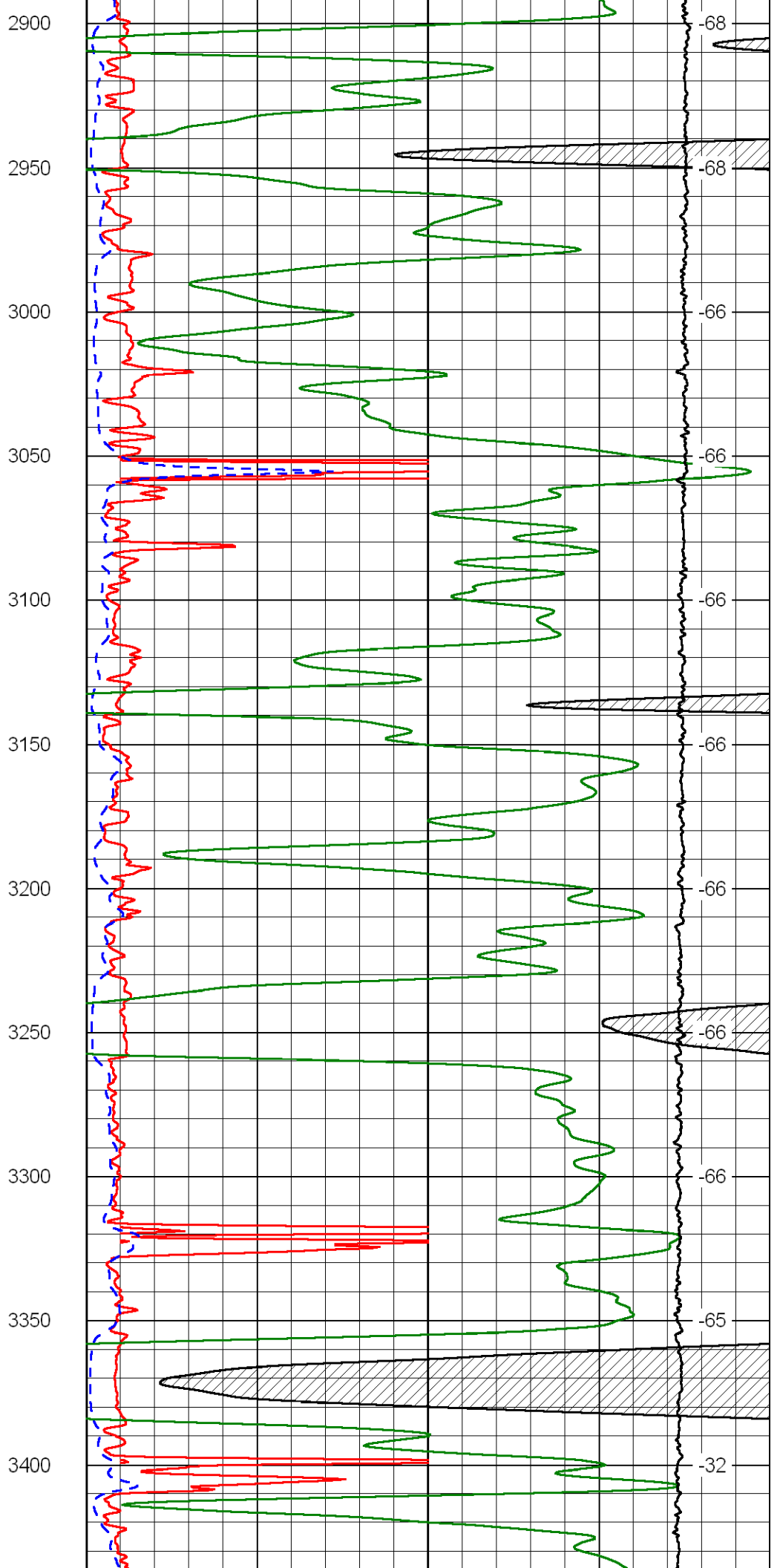
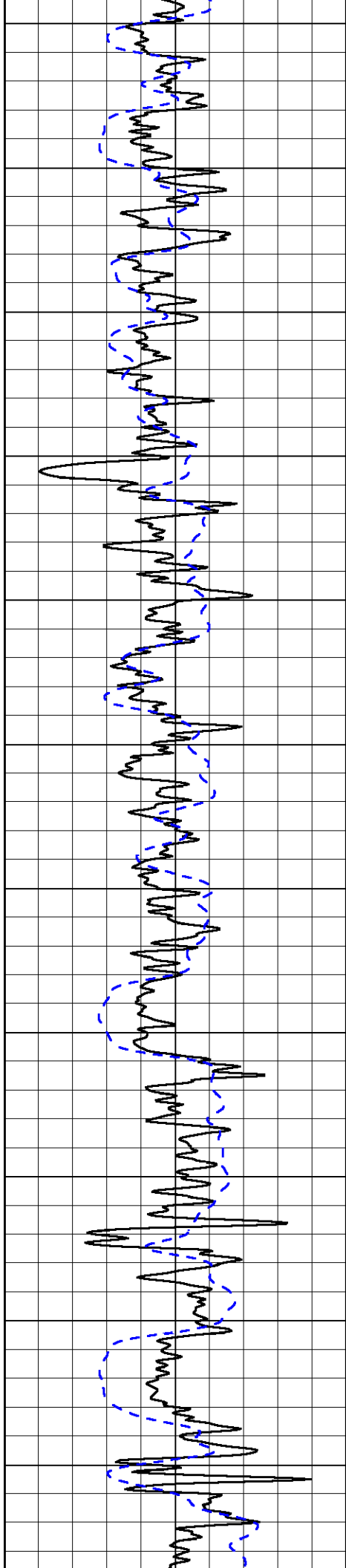
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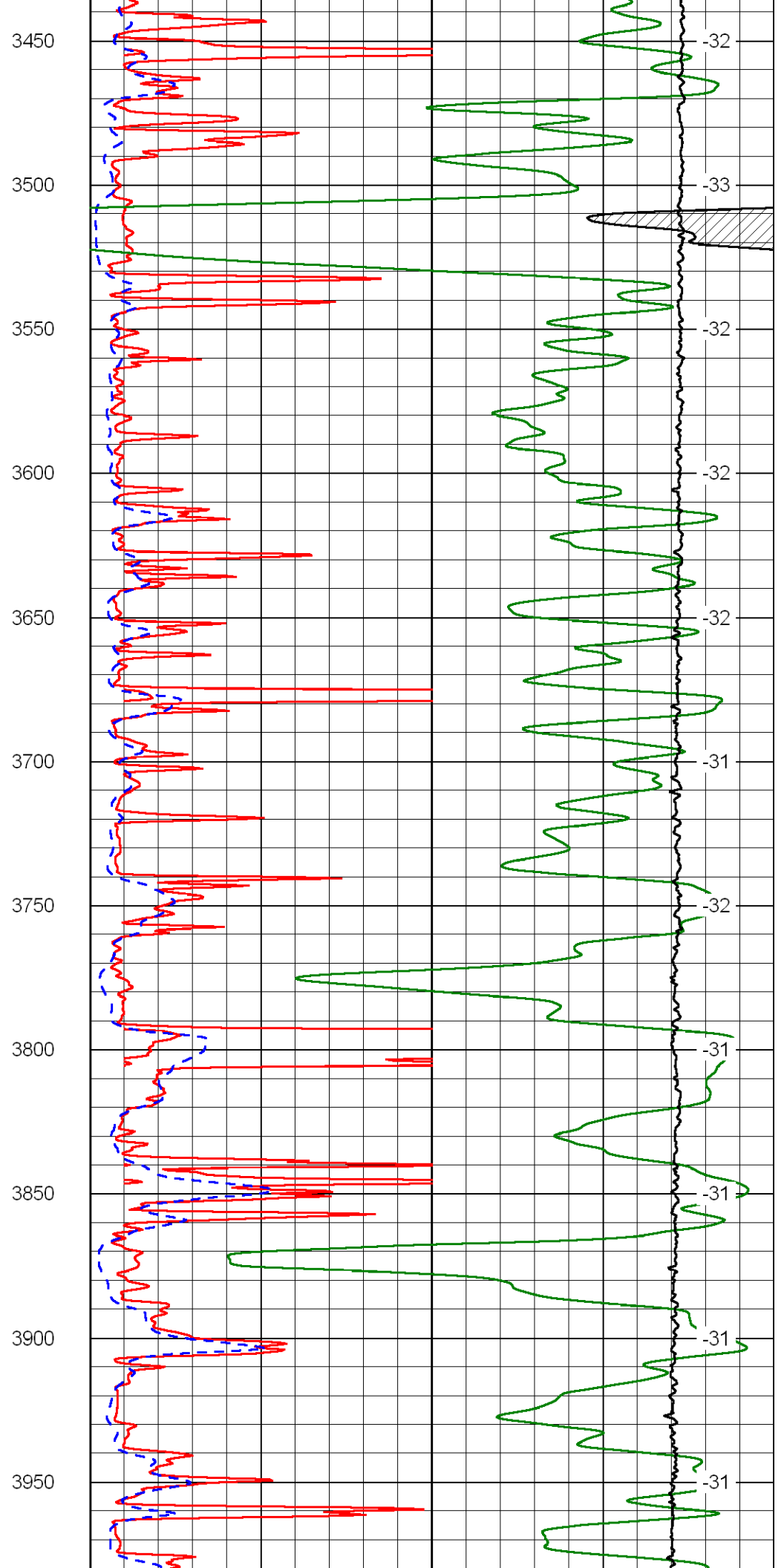
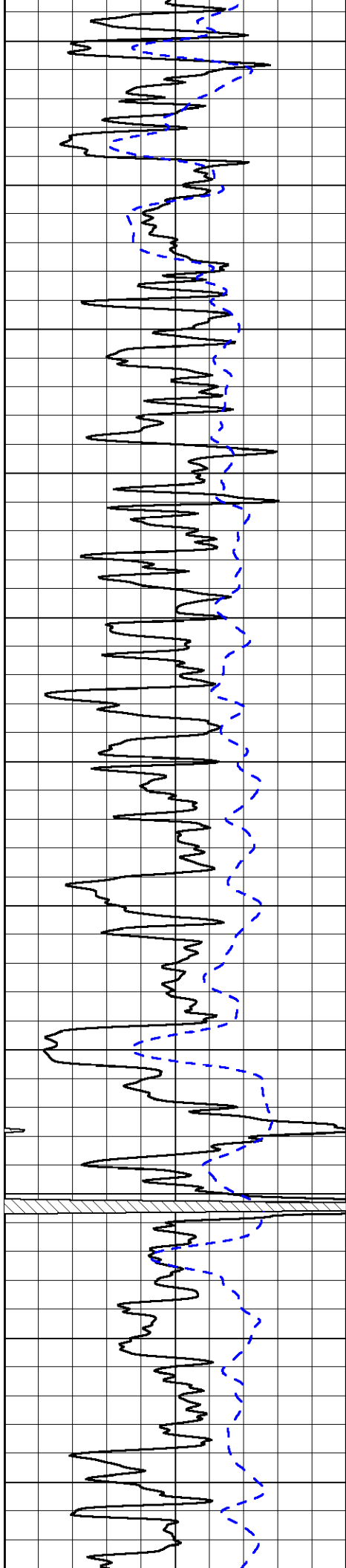
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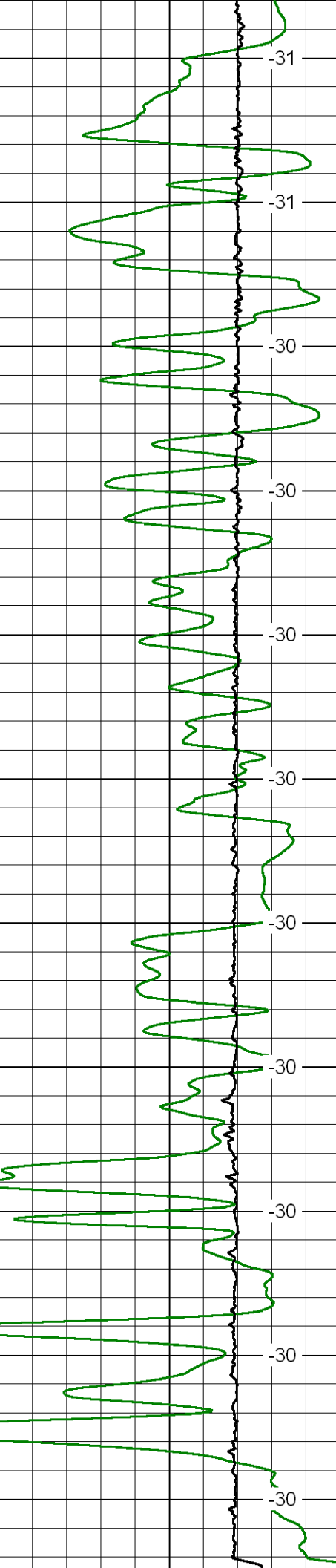
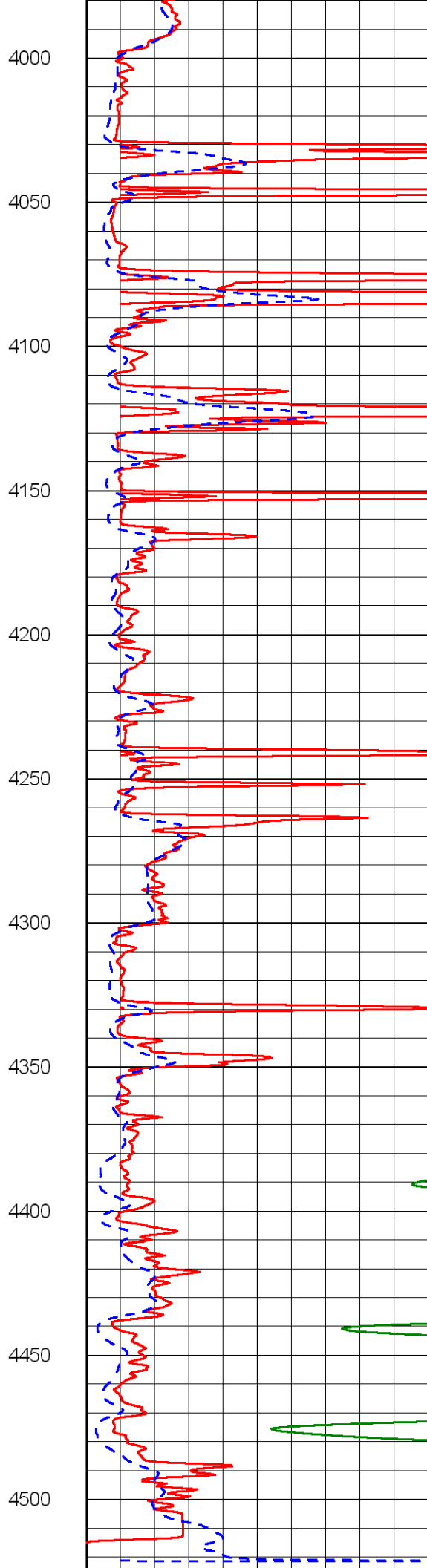
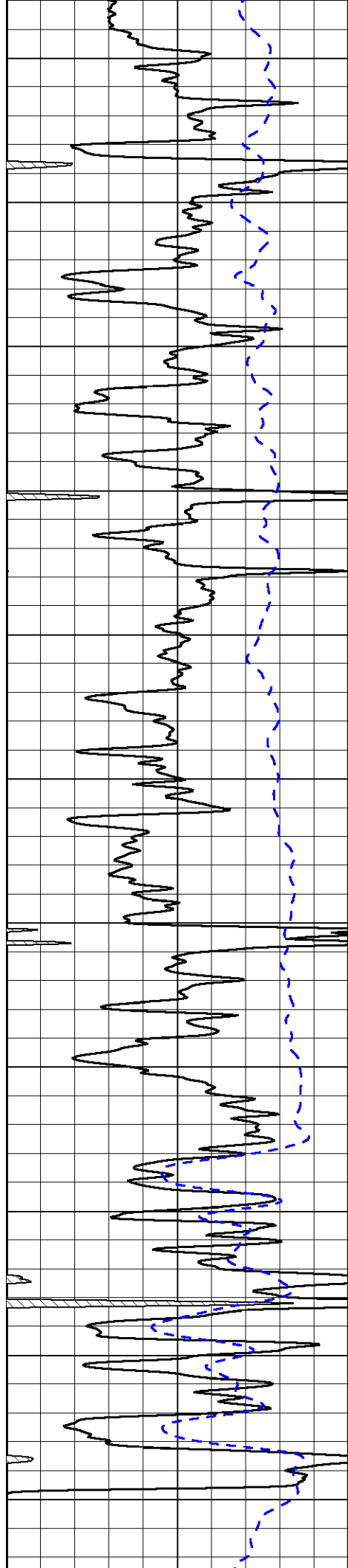












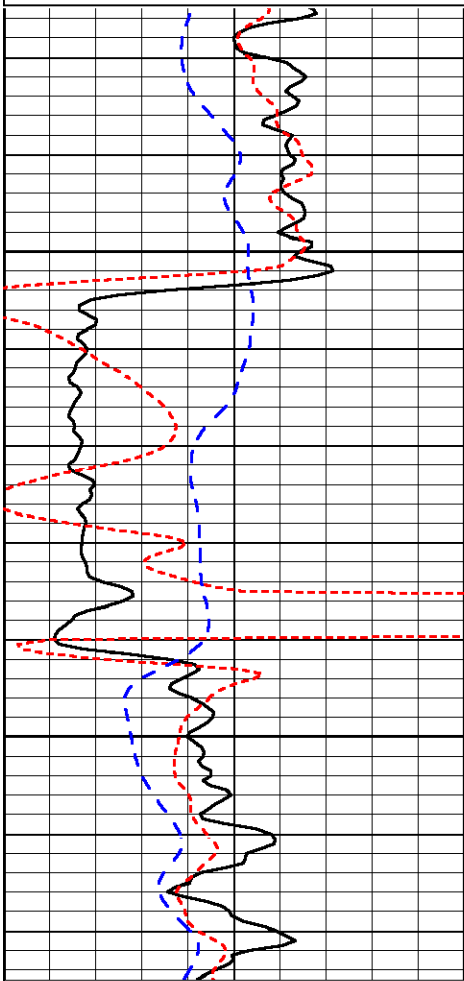
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-200	SP	0

0	Shallow Resistivity	50	LSPD
0	Deep Resistivity	50	
1000	Conductivity		0
15000	Line Tension		0
50	Shallow Resistivity	500	
50	Deep Resistivity	500	

Database File: credohd.db
 Dataset Pathname: dil/crdmain
 Presentation Format: dil
 Dataset Creation: Mon Jun 04 21:36:46 2012
 Charted by: Depth in Feet scaled 1:240

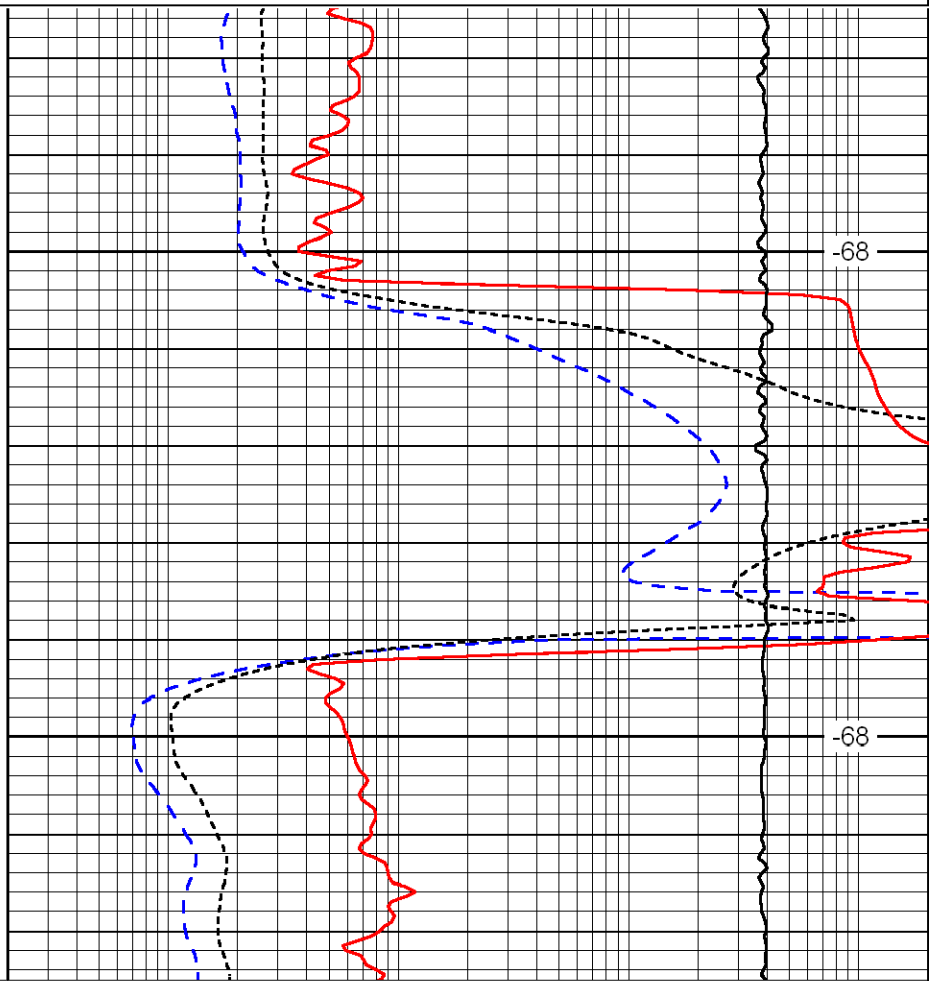
0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000	LSPD
0.2	Medium Resistivity	2000	
0.2	Shallow Resistivity	2000	
10000	Line Tension		0



2750

2800



-68

-68

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000	LSPD
0.2	Medium Resistivity	2000	
0.2	Shallow Resistivity	2000	
10000	Line Tension		0

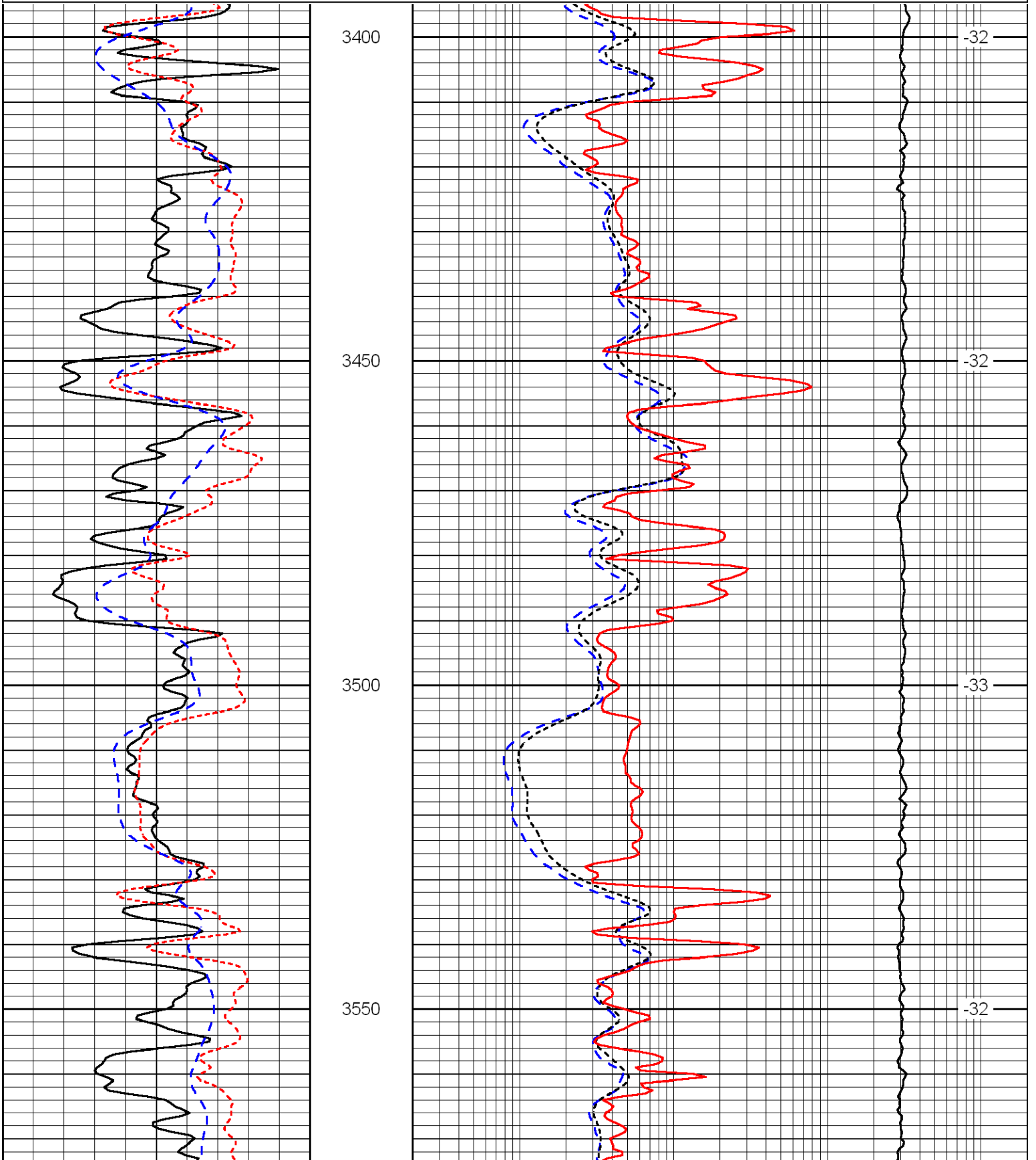
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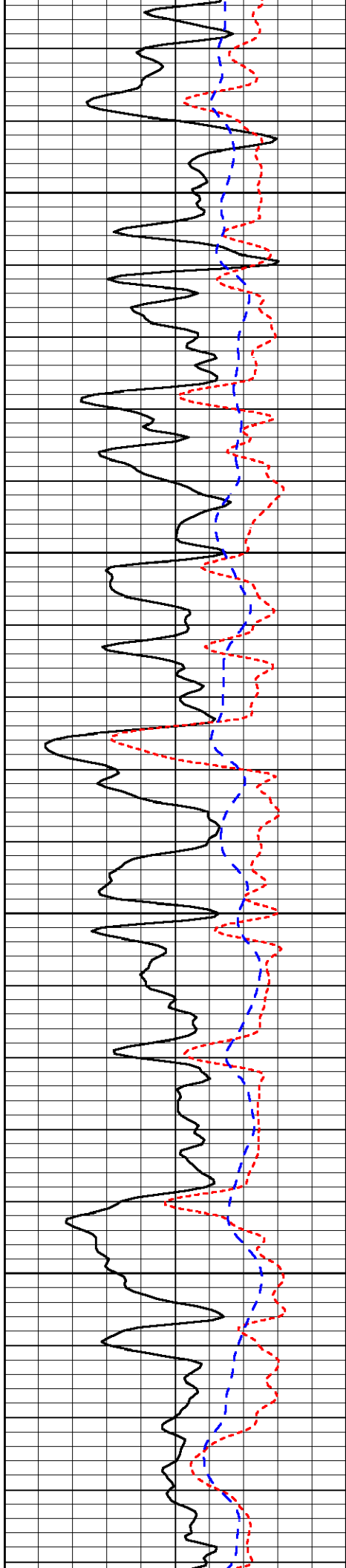
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 Dataset Creation: Mon Jun 04 21:36:46 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



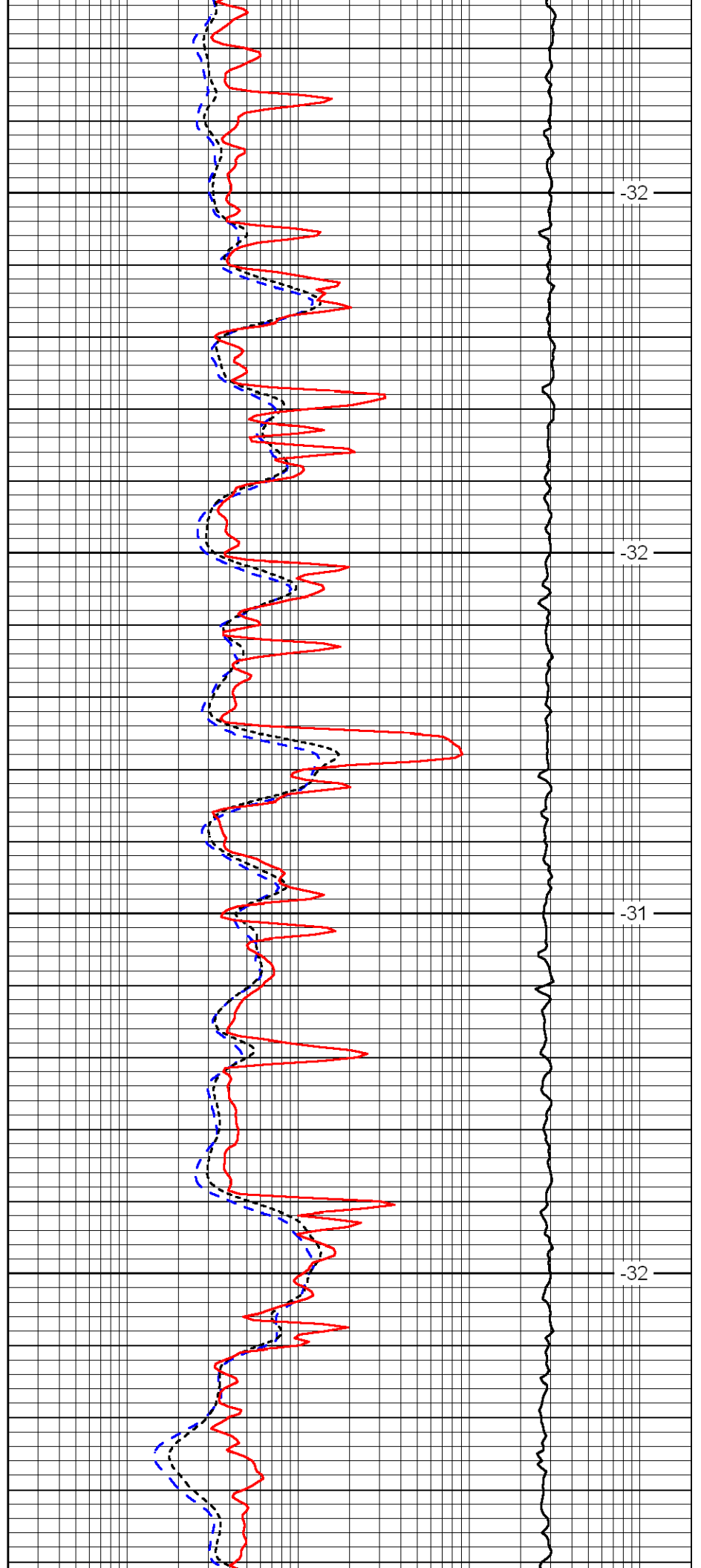


3600

3650

3700

3750

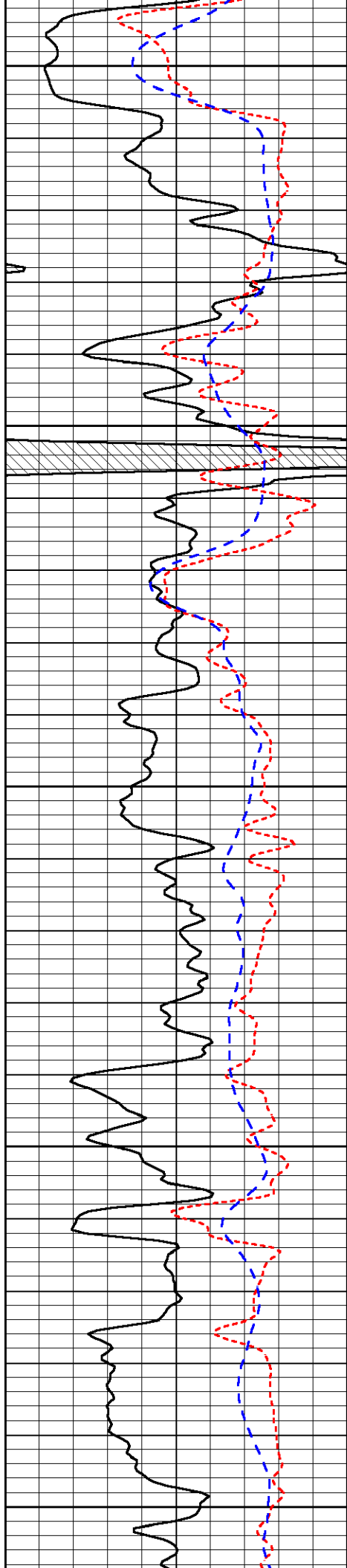


-32

-32

-31

-32



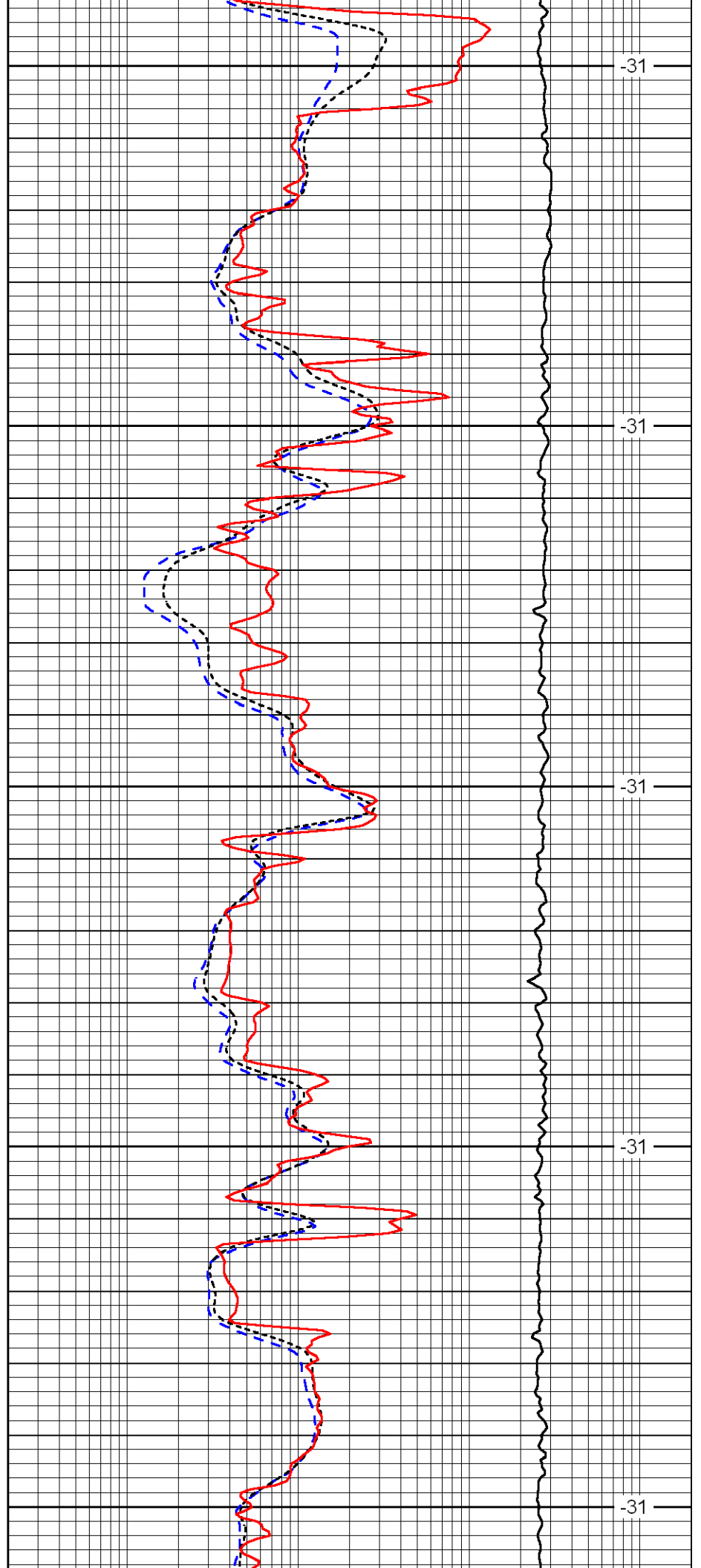
3800

3850

3900

3950

4000



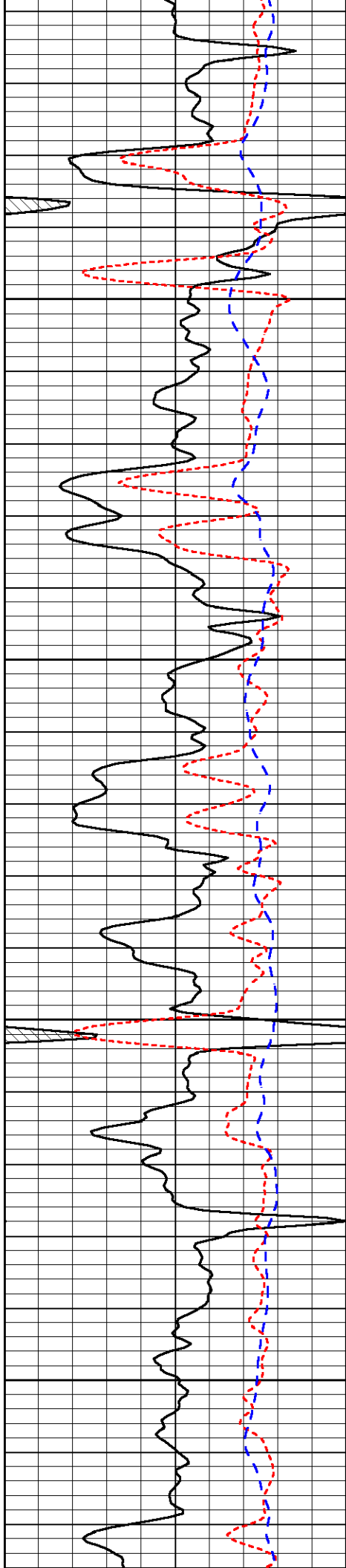
-31

-31

-31

-31

-31

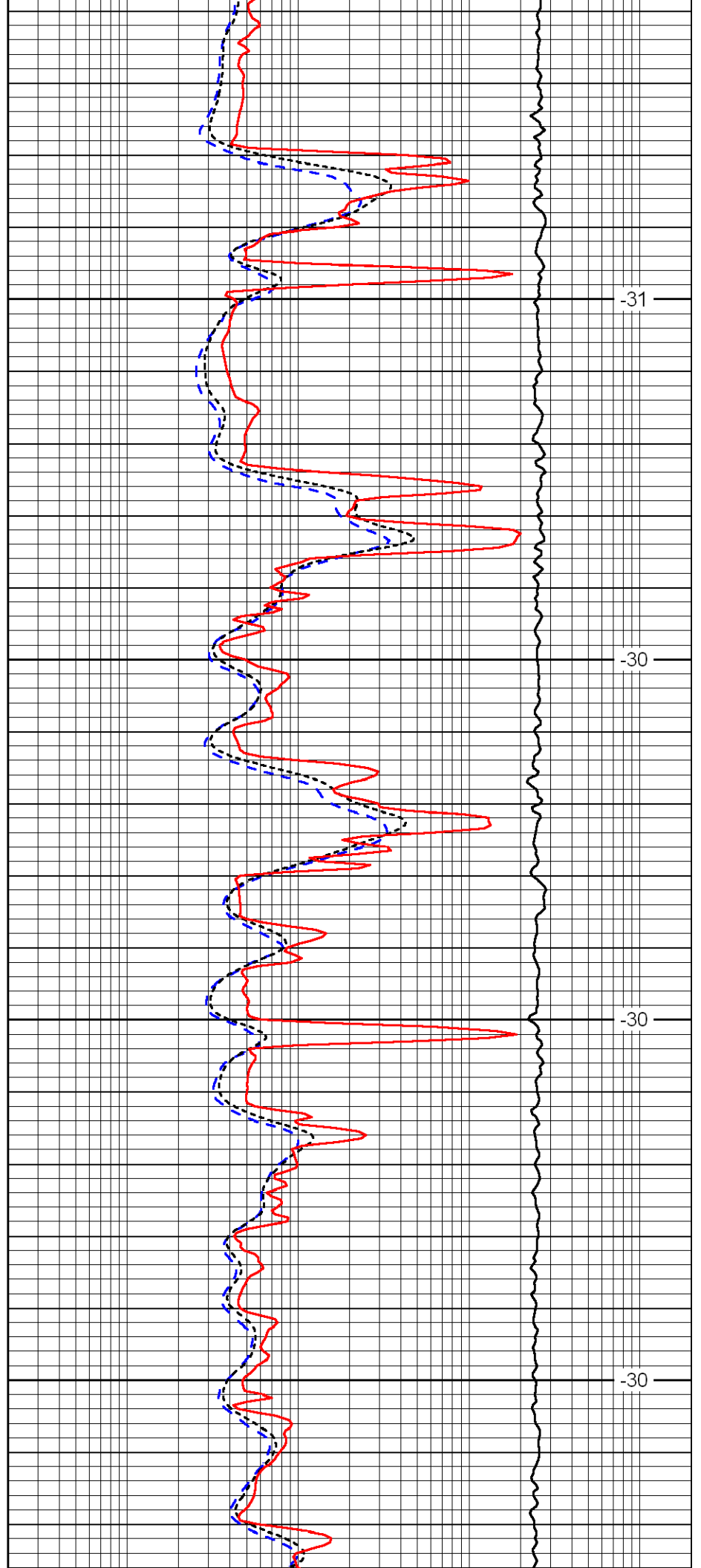


4050

4100

4150

4200

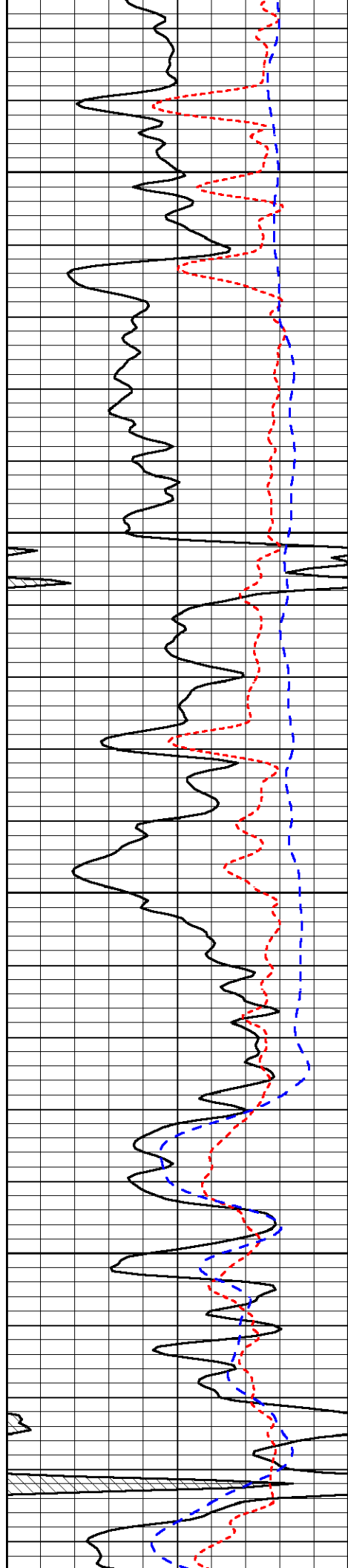


-31

-30

-30

-30

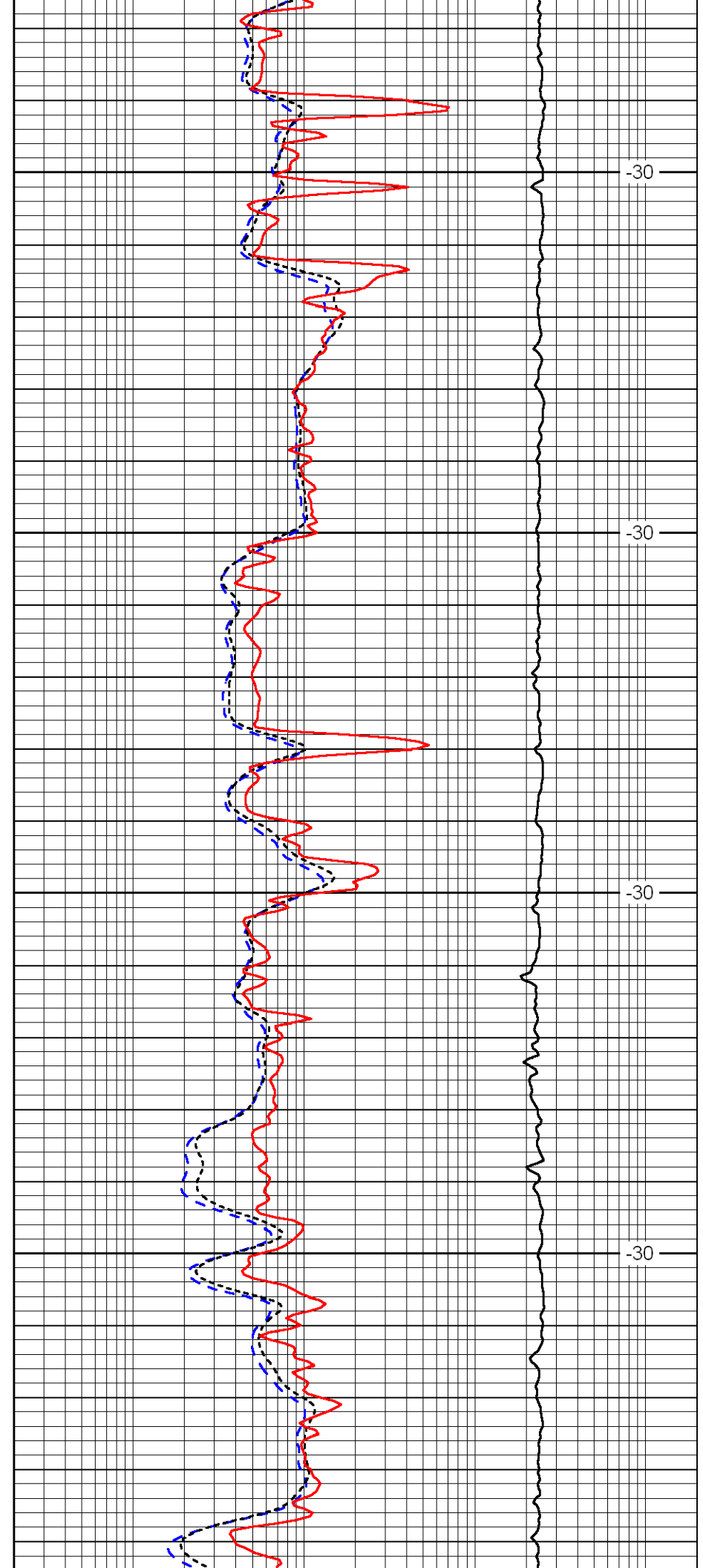


4250

4300

4350

4400

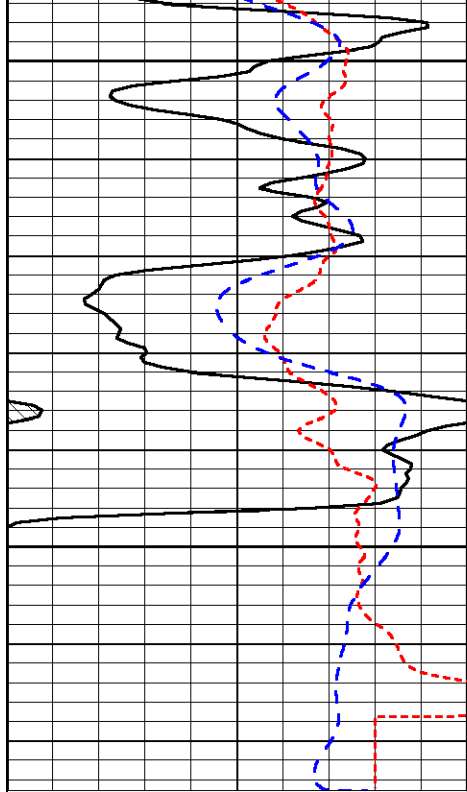


-30

-30

-30

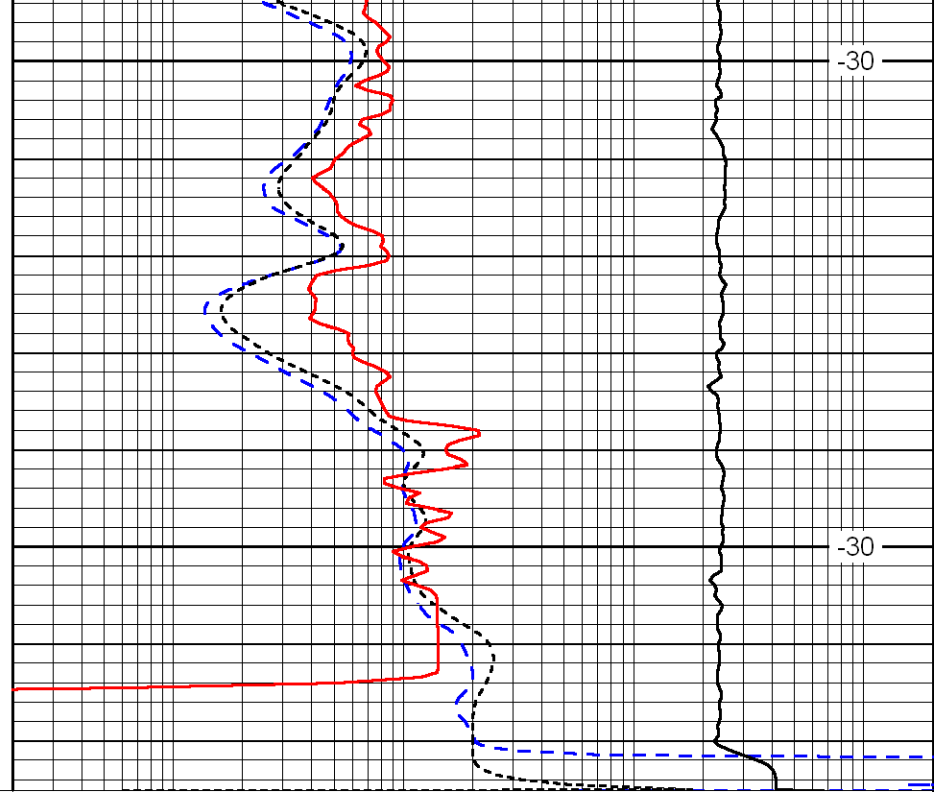
-30



4450

4500

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



-30

-30

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-153-20,901-00-00

Company **Credo Petroleum Corporation**
 Well **Hartner #1-10**
 Field **Wildcat**
 County **Rawlins** State **Kansas**

Location **E2 SE NE**
1980' FNL / 330' FEL

Sec: **10** Twp: **1S** Rge: **32W**

Other Services
 DIL
 MEL/BHCS

Permanent Datum **Ground Level** Elevation **2940**
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

K.B. 2945
 D.F. 2940
 G.L. 2940

Date **6/4/2012**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **4519**

Depth Logger **4520**

Bottom Logged Interval **4499**

Top Logged Interval **3400**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **2000**

Density **9.2**

Level **Full**

Max. Rec. Temp. F **121**

Operating Rig Time **5 Hours**

Equipment -- Location **15 Hays**

Recorded By **R. Barnhart**

Witnessed By **Bruce Ard**

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt. 23#	From	To
One	12.25	00	282	8.625	00	282
Two	7.875	282	TD			

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

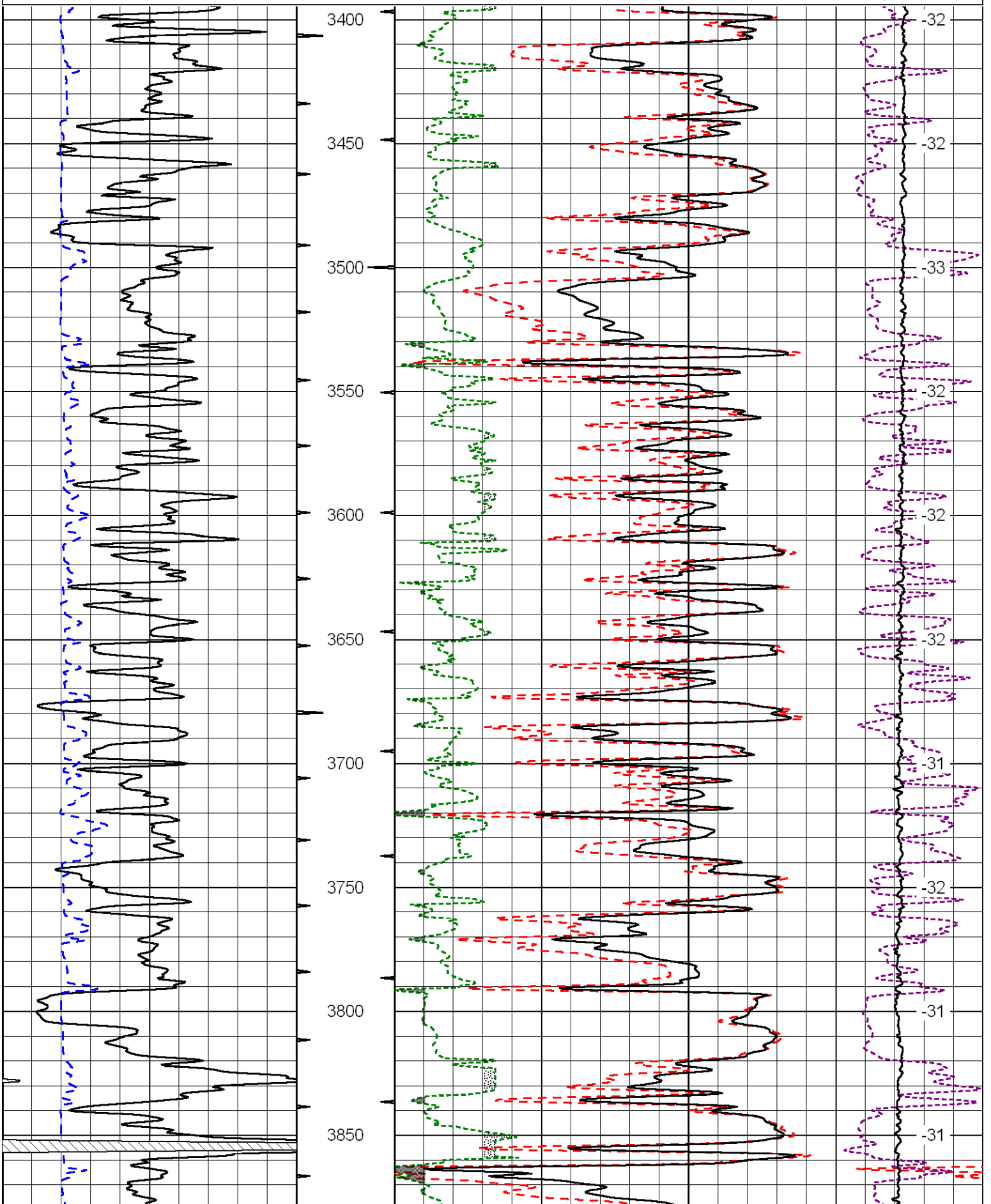
Comments

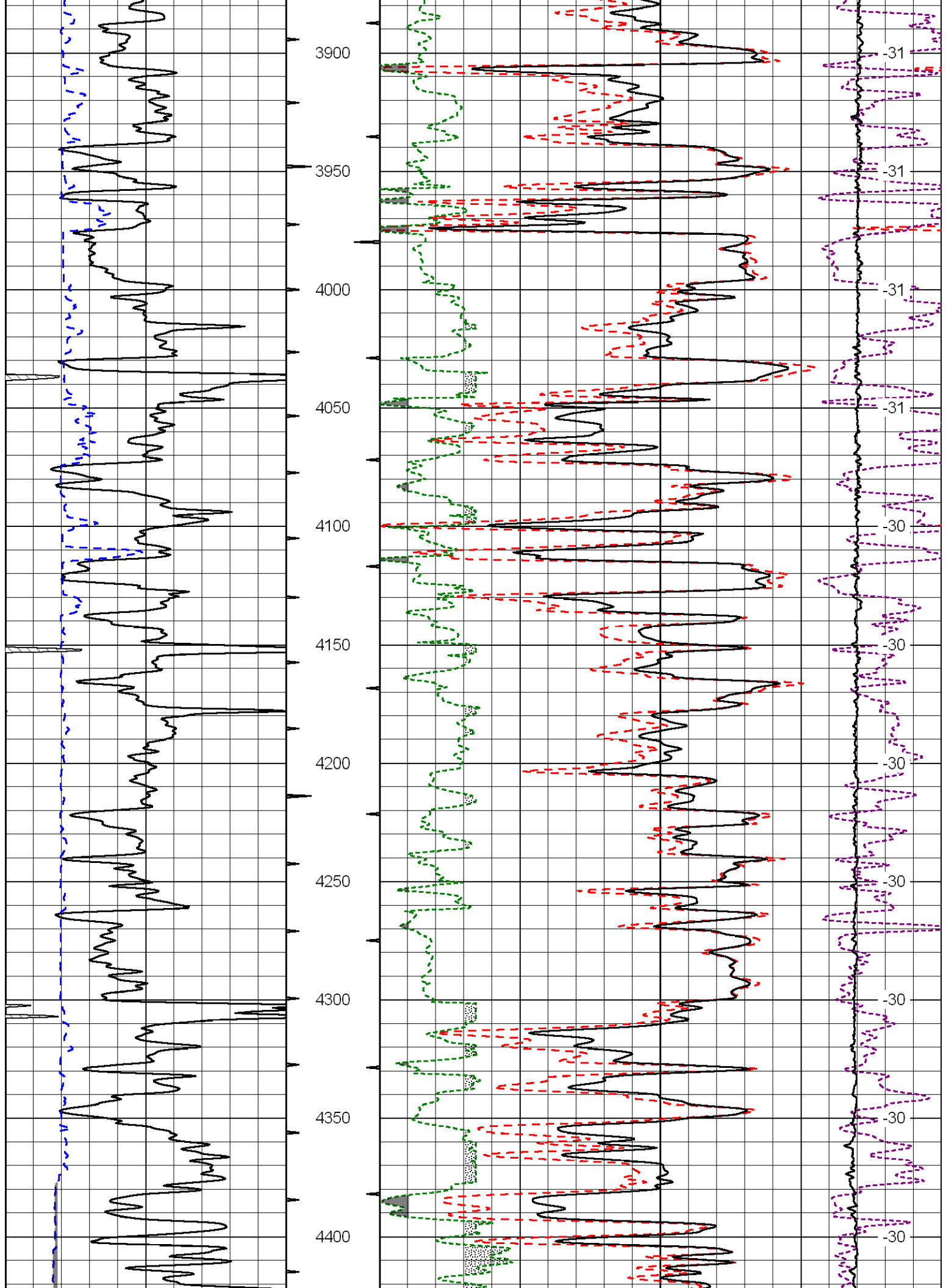
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Herndon, KS:
 N Edge: 5W on Rd. Y to 30 Rd.,
 1N, 1W, 1N, 1/2W, 1N, 1/2E,
 1/2N, 1/2E, N into

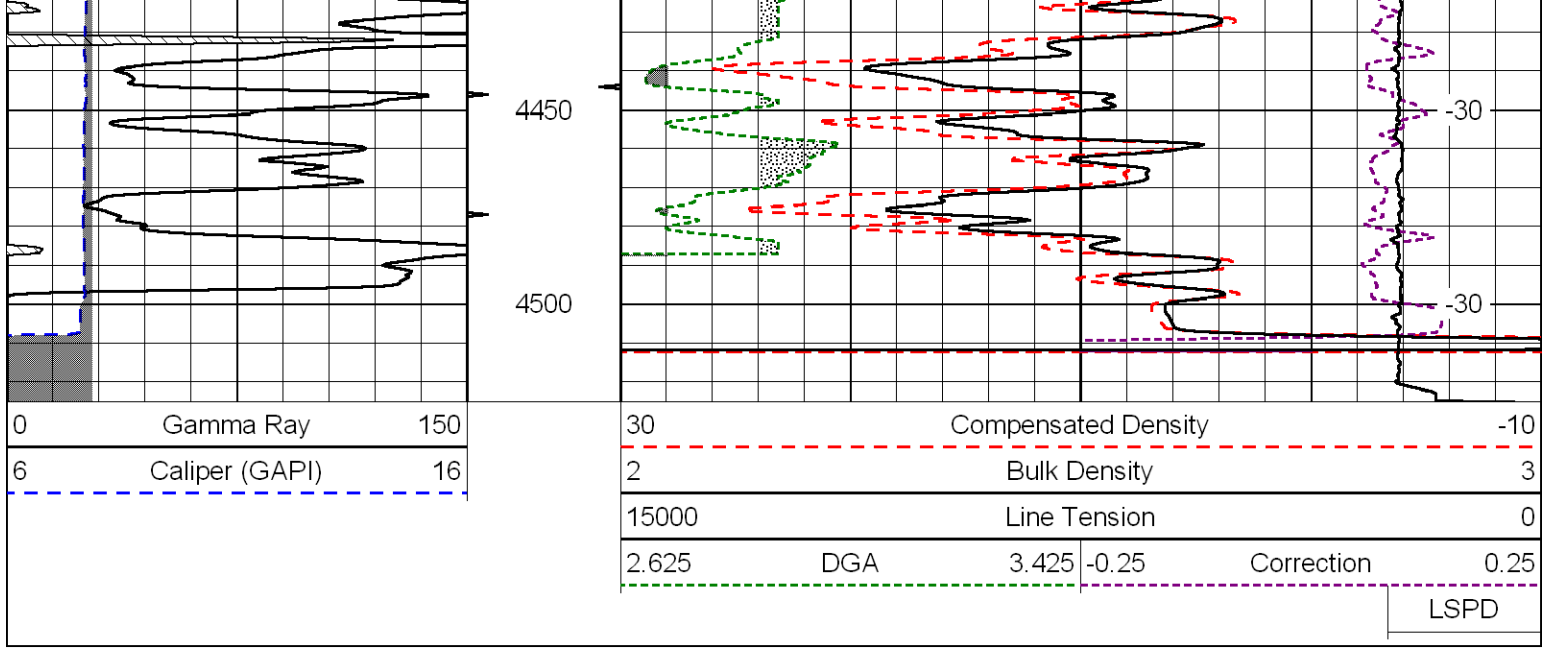
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 Presentation Format: cdl
 Dataset Creation: Mon Jun 04 21:36:46 2012
 Charted by: Depth in Feet scaled 1:600

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6	Caliper (GAPI)	16

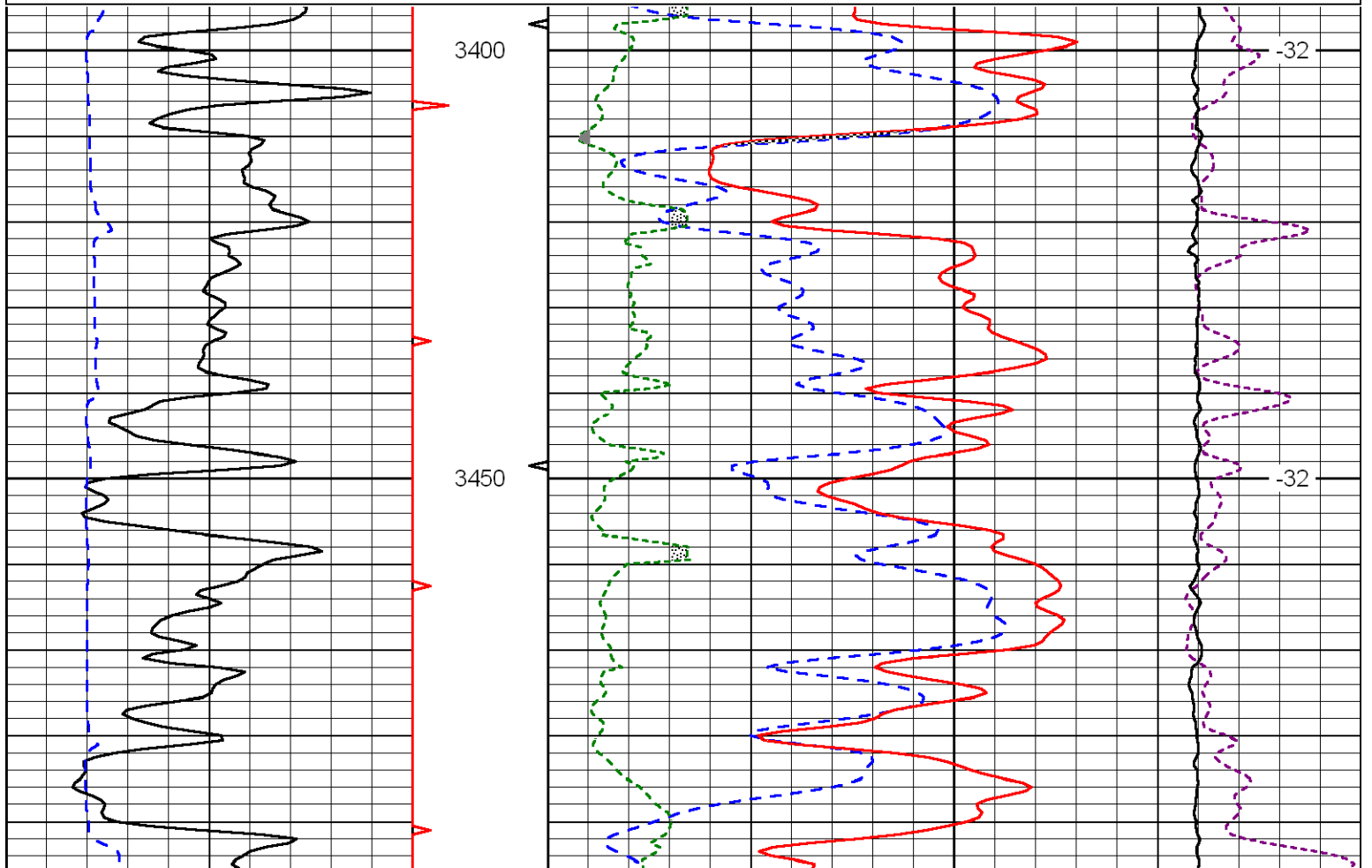
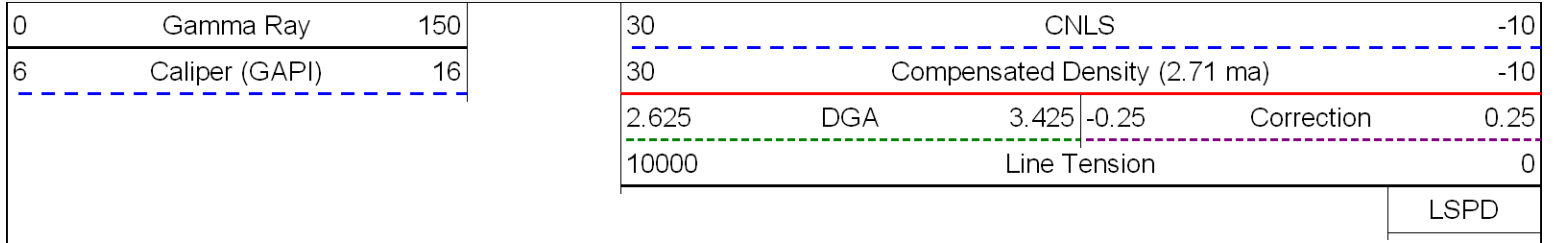
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

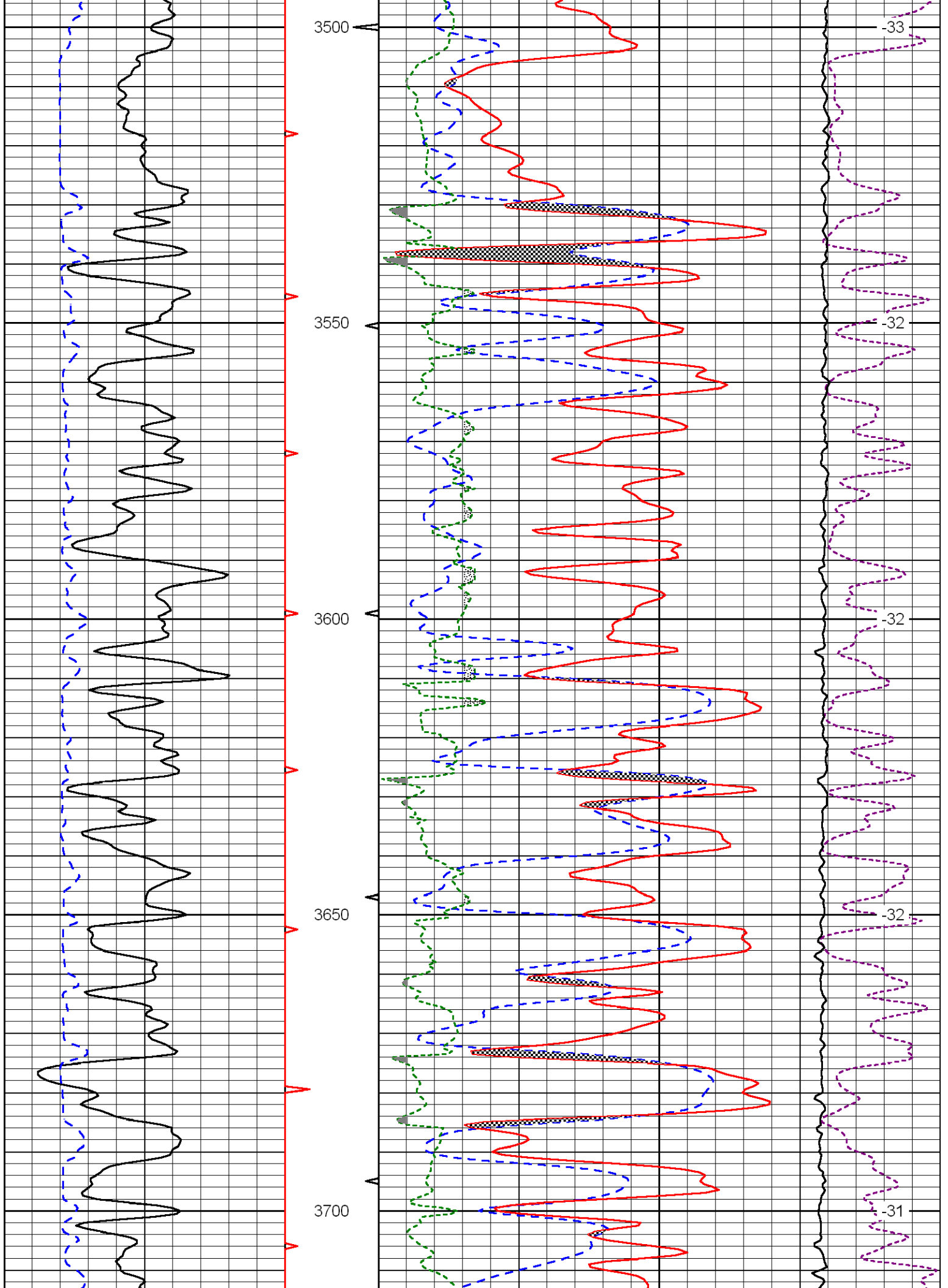


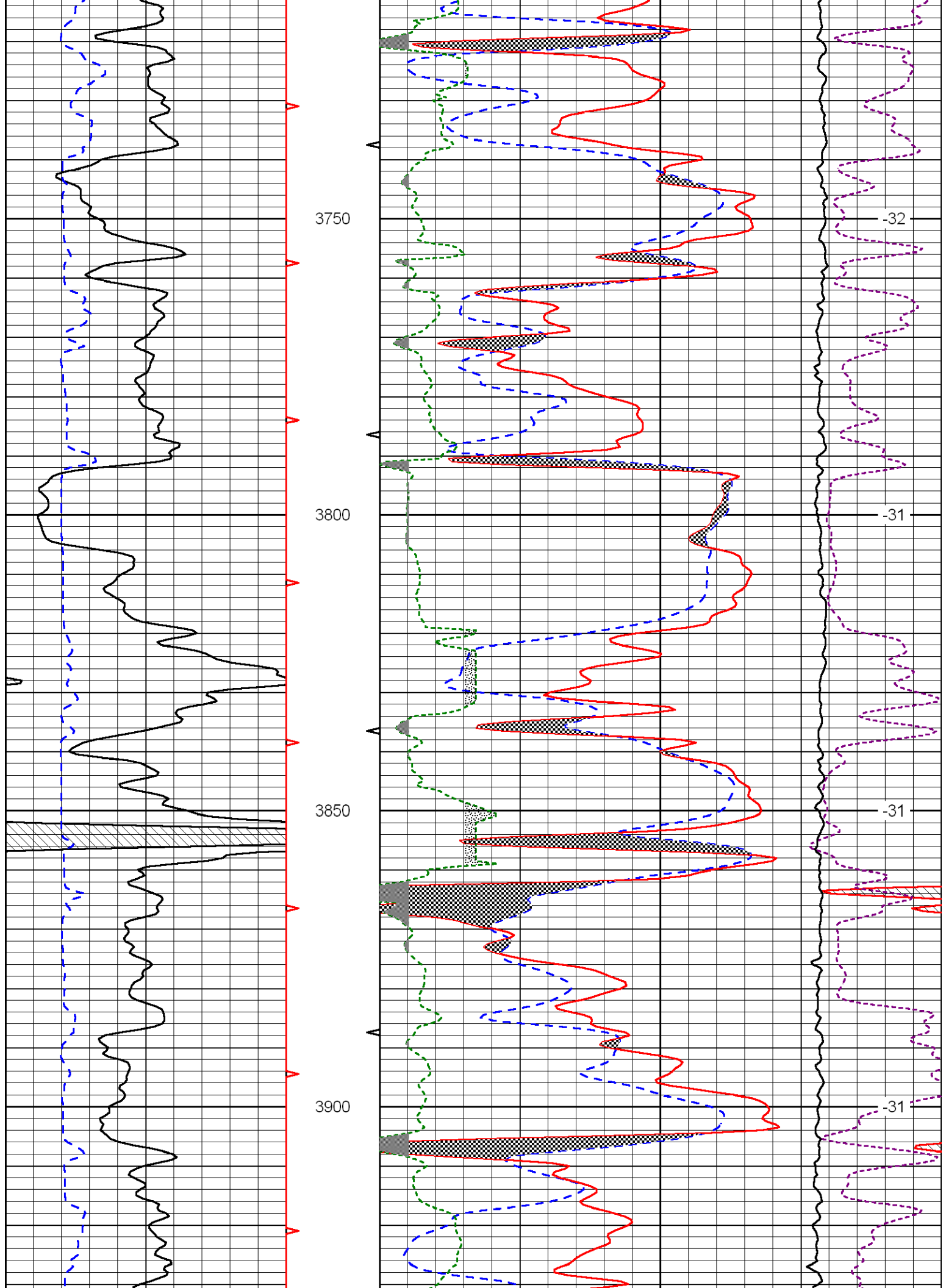


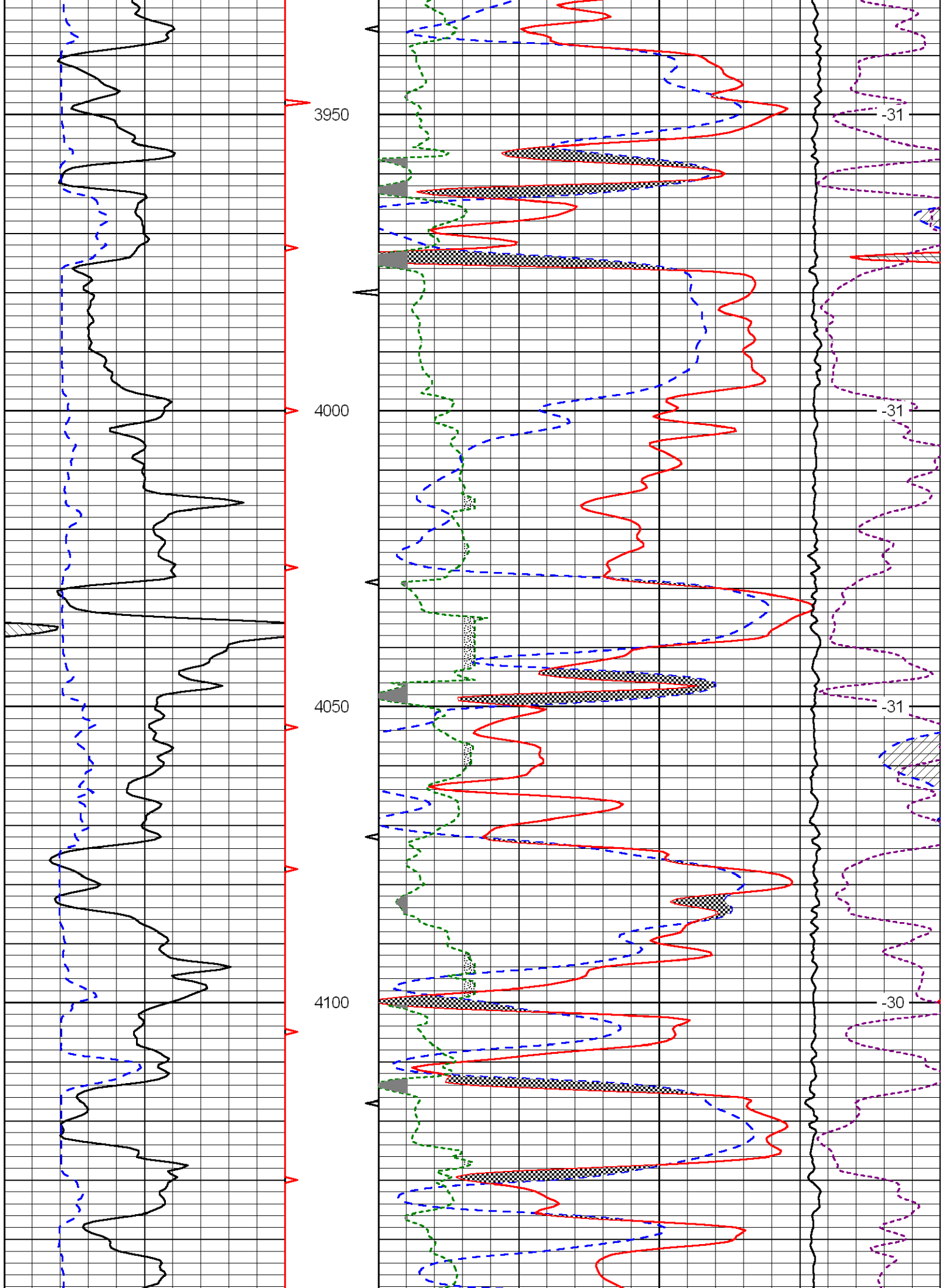


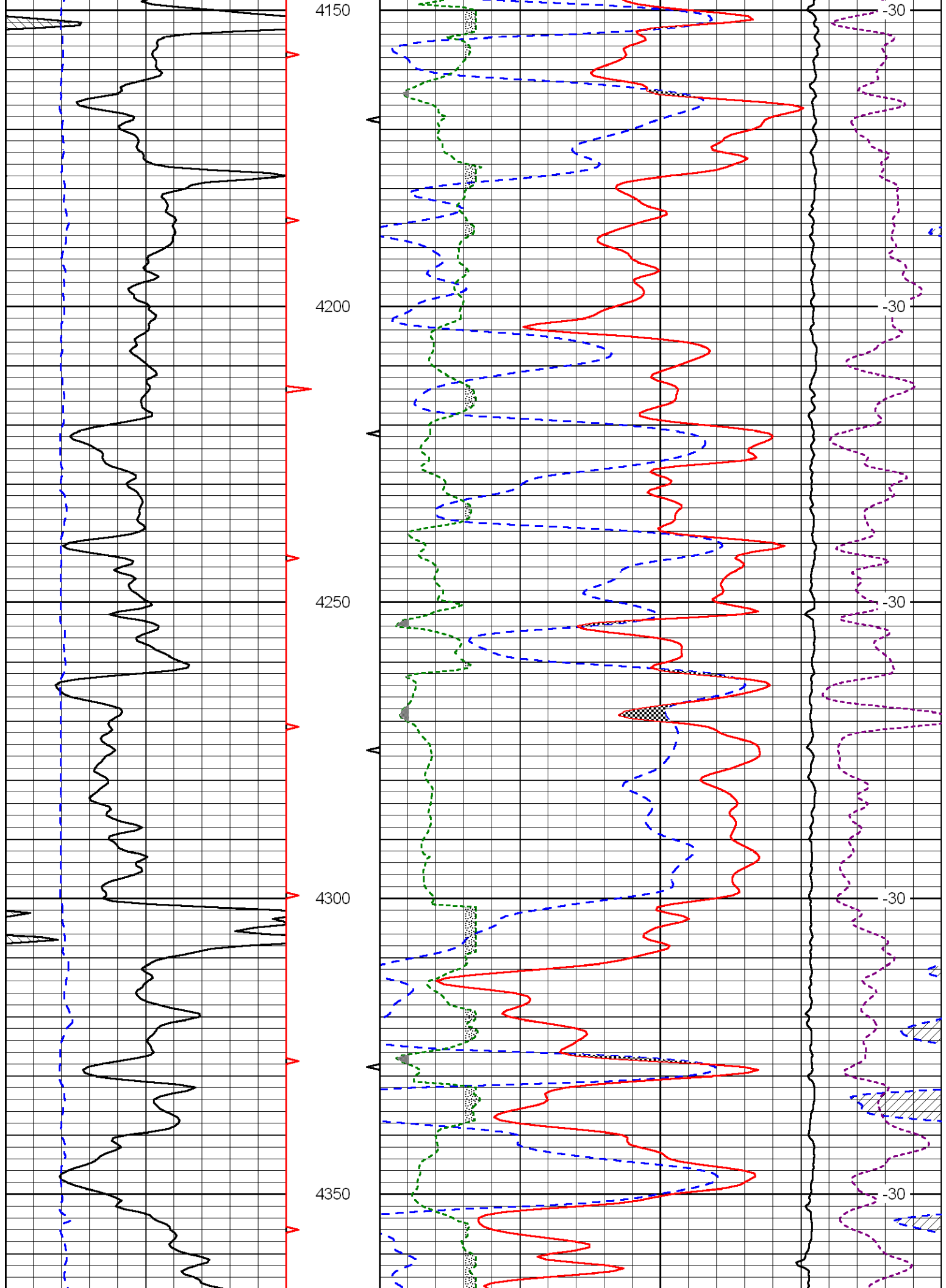
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 Charted by: Depth in Feet scaled 1:240

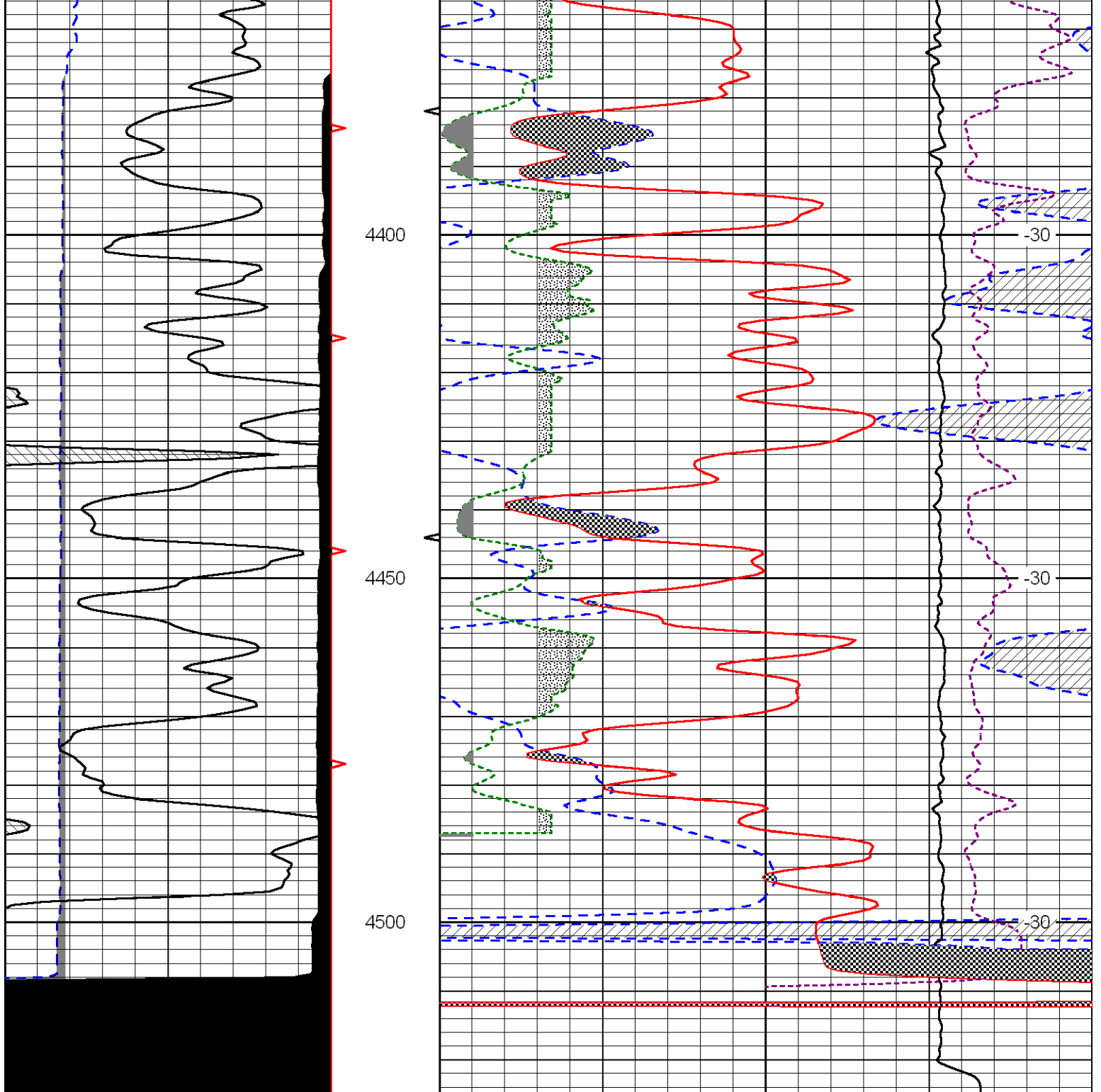












0	Gamma Ray	150
6	Caliper (GAPI)	16

30	CNLS		-10
30	Compensated Density (2.71 ma)		-10
2.625	DGA	3.425 -0.25	Correction 0.25
10000	Line Tension		0

LSPD

LOG-TECH



DIGITAL LOG (785) 625-3858

Microresistivity Log

API No. 15-153-20,901-00-00

Company **Credo Petroleum Corporation**
 Well **Hartner #1-10**
 Field **Wildcat**
 County **Rawlins** State **Kansas**

Location **E2 SE NE 1980' FNL / 330' FEL**
 Sec: **10** Twp: **1S** Rge: **32W**

Other Services
 CNL/CDL
 DIL/BHCS

Permanent Datum **Ground Level** Elevation **2940**
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
 K.B. 2945
 D.F. G.L. 2940

Date	6/4/2012
Run Number	Two
Depth Driller	4519
Depth Logger	4520
Bottom Logged Interval	4519
Top Log Interval	3400
Casing Driller	8.625 @ 282
Casing Logger	278
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2000
Density / Viscosity	9.2 56
pH / Fluid Loss	10.5 7.6
Source of Sample	Flowline
Rm @ Meas. Temp	1.00 @ 95
Rmf @ Meas. Temp	0.75 @ 95
Rmc @ Meas. Temp	1.35 @ 95
Source of Rmf / Rmc	Charts
Rm @ BHT	0.78 @ 121
Operating Rig Time	5 Hours
Max Rec. Temp. F	121
Equipment Number	15
Location	Hays
Recorded By	R. Barnhart
Witnessed By	Bruce Ard

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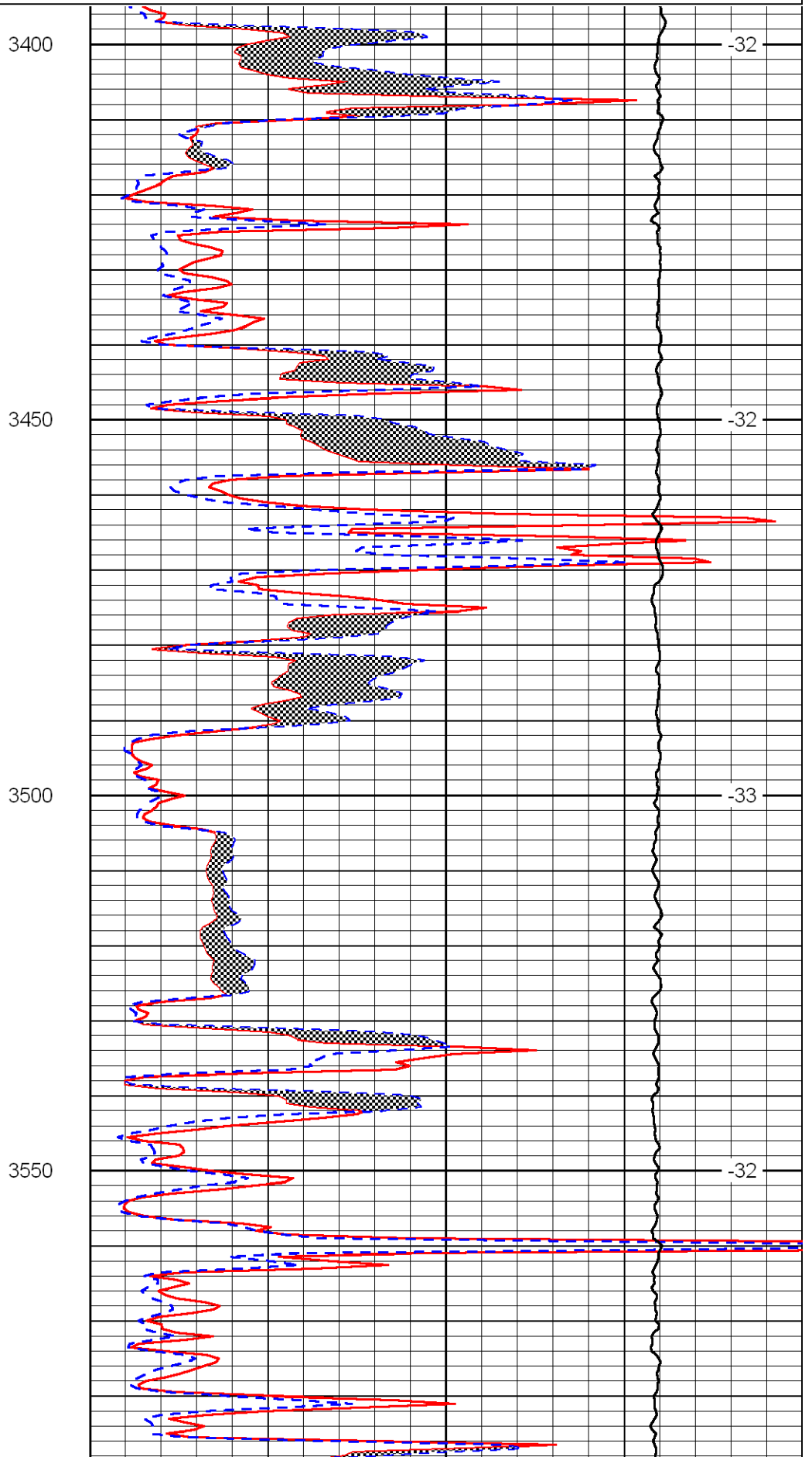
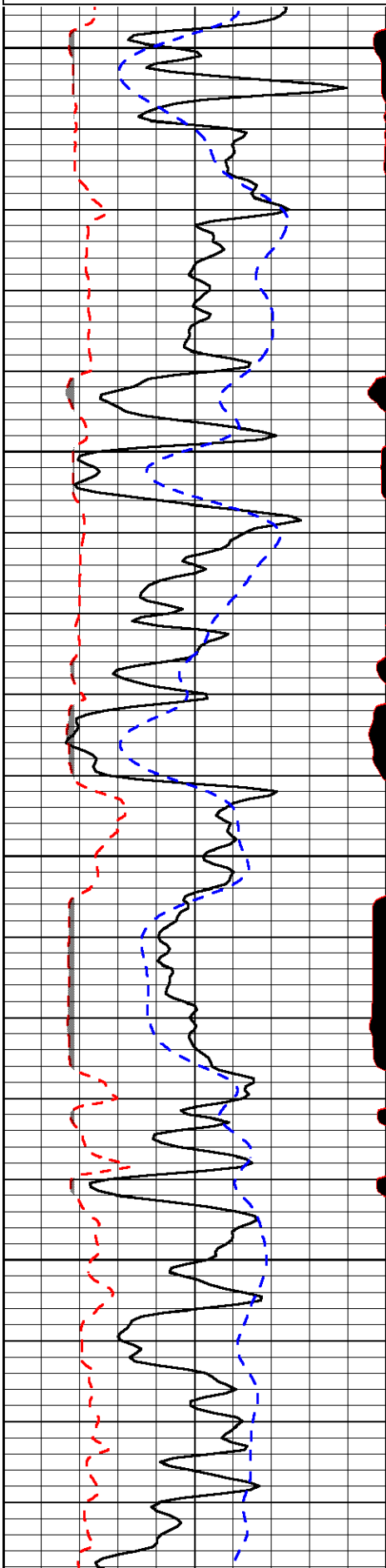
Comments

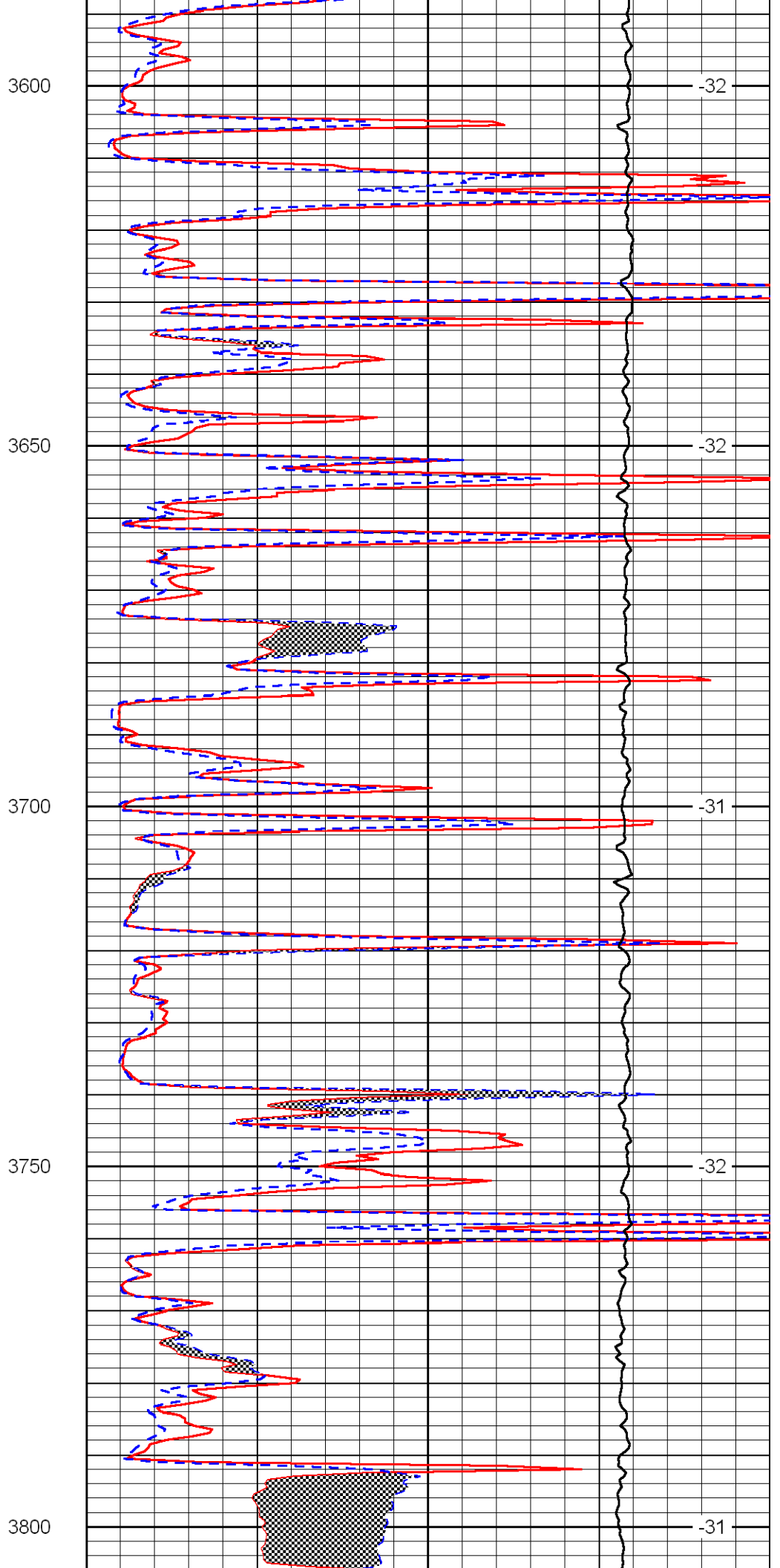
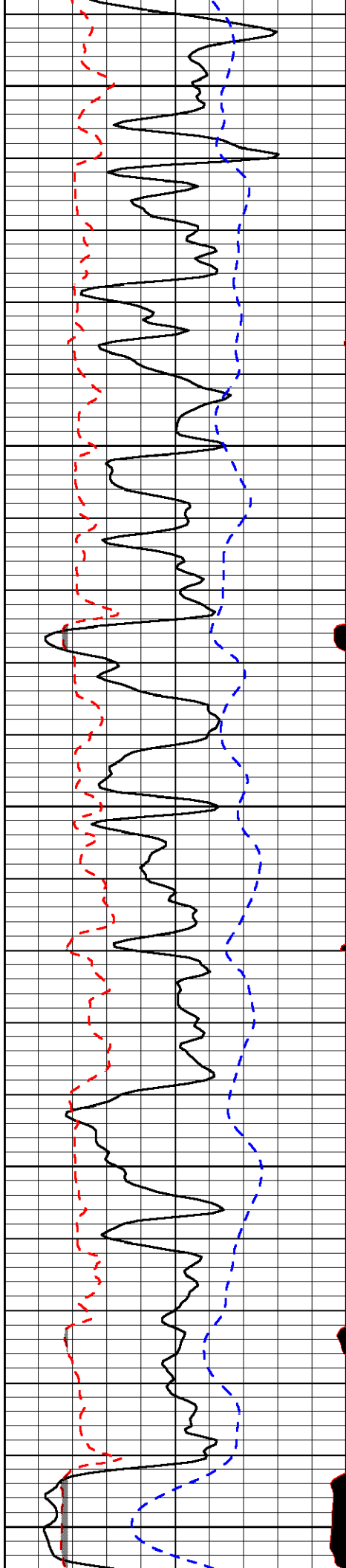
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Herndon, KS:
 N Edge: 5W on Rd. Y to 30 Rd.,
 1N, 1W, 1N, 1/2W, 1N, 1/2E,
 1/2N, 1/2E, N into

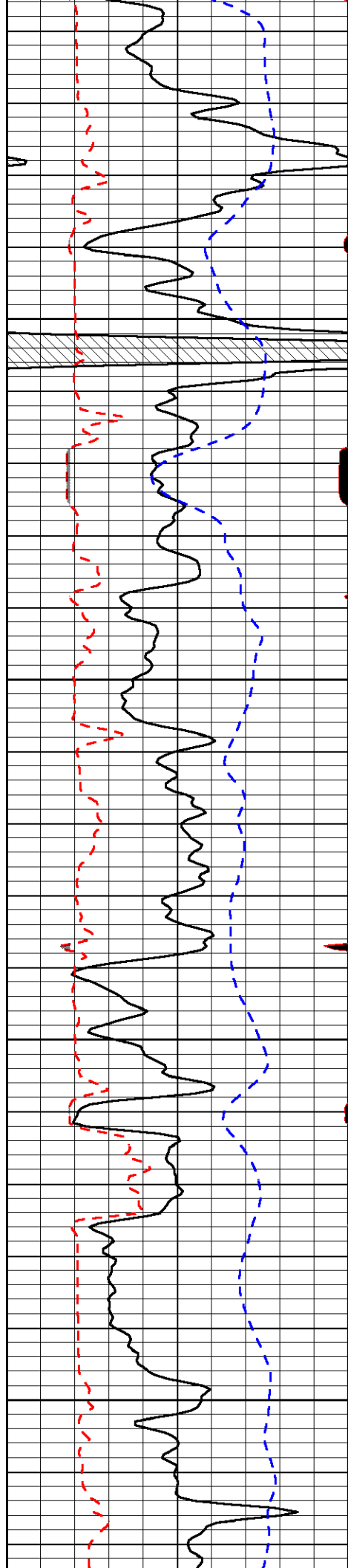
Database File: credohd.db
 Dataset Pathname: dil/crdmain
 Presentation Format: micro
 Dataset Creation: Mon Jun 04 21:36:46 2012
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD





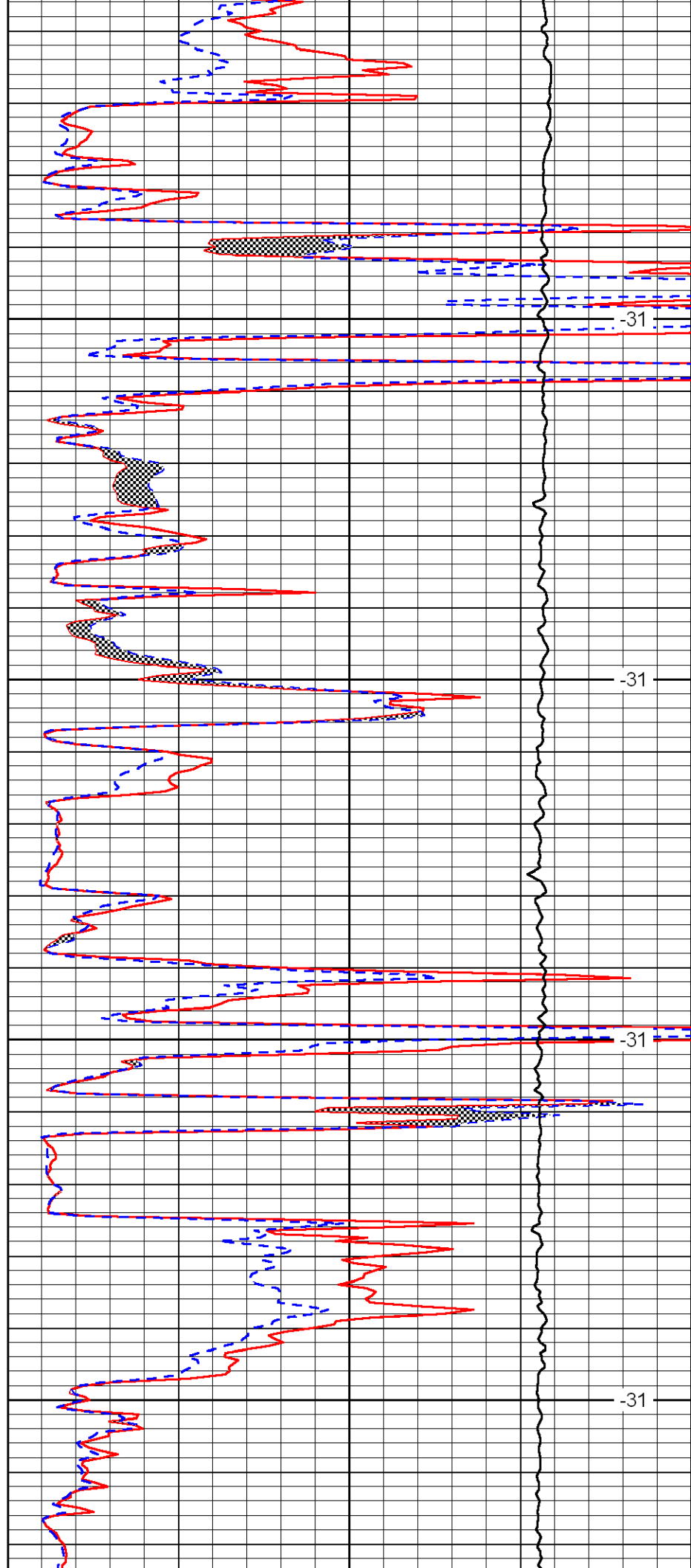


3850

3900

3950

4000

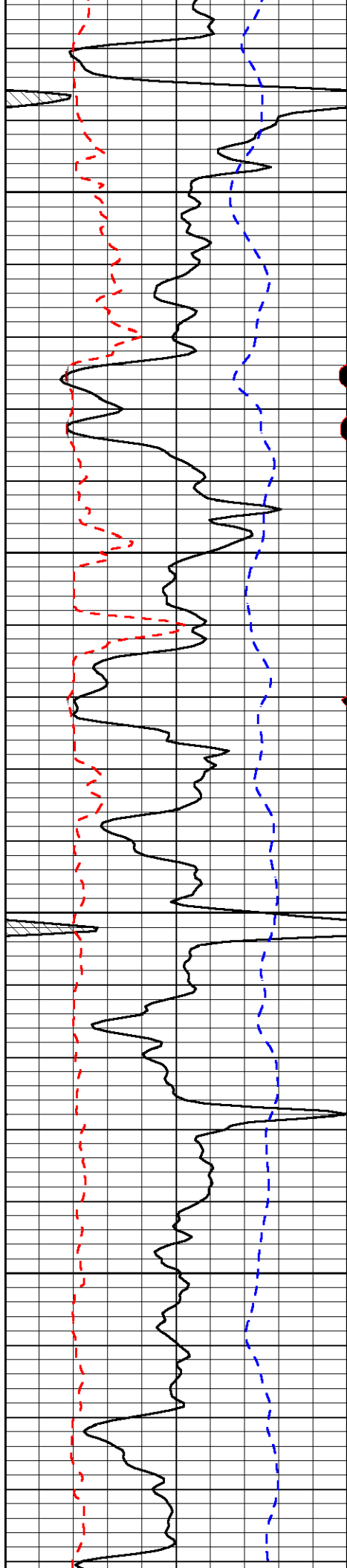


-31

-31

-31

-31

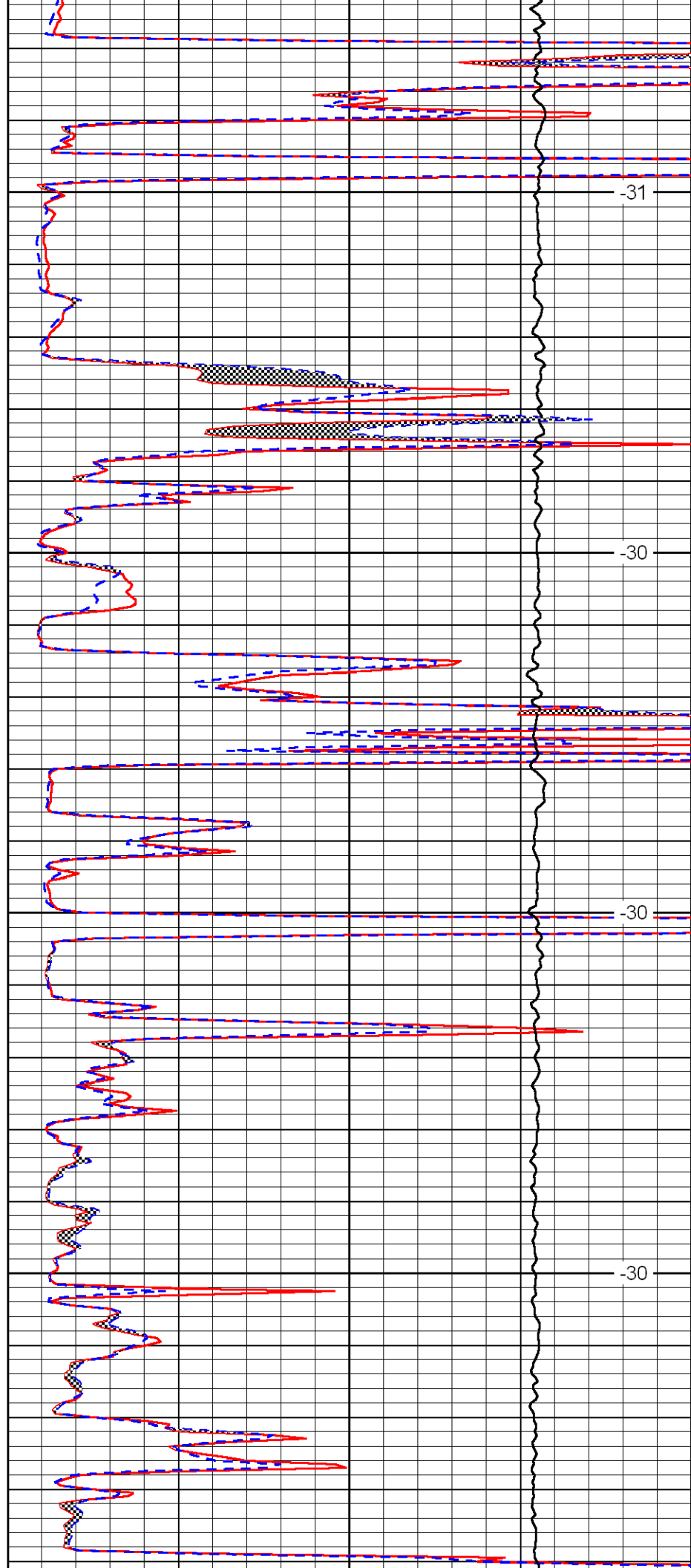


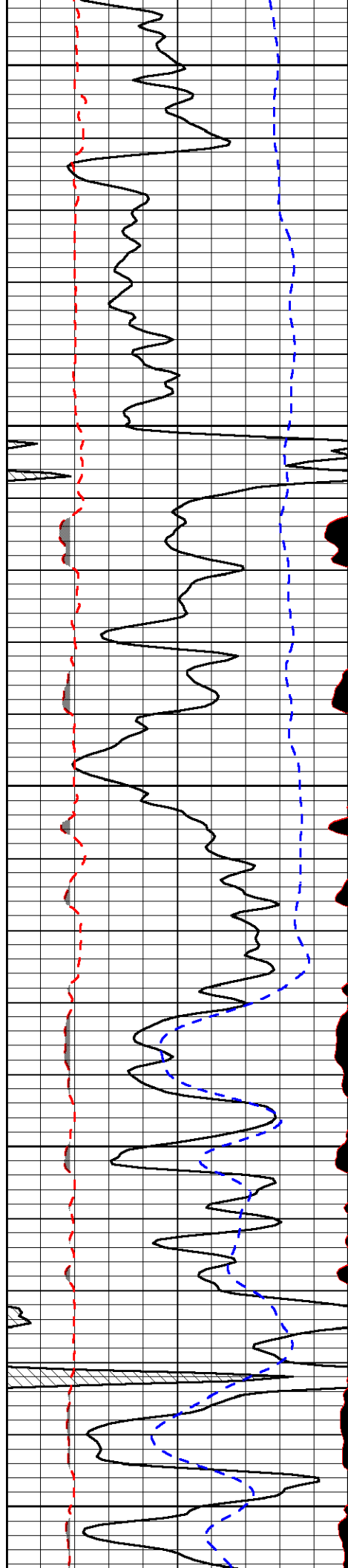
4050

4100

4150

4200





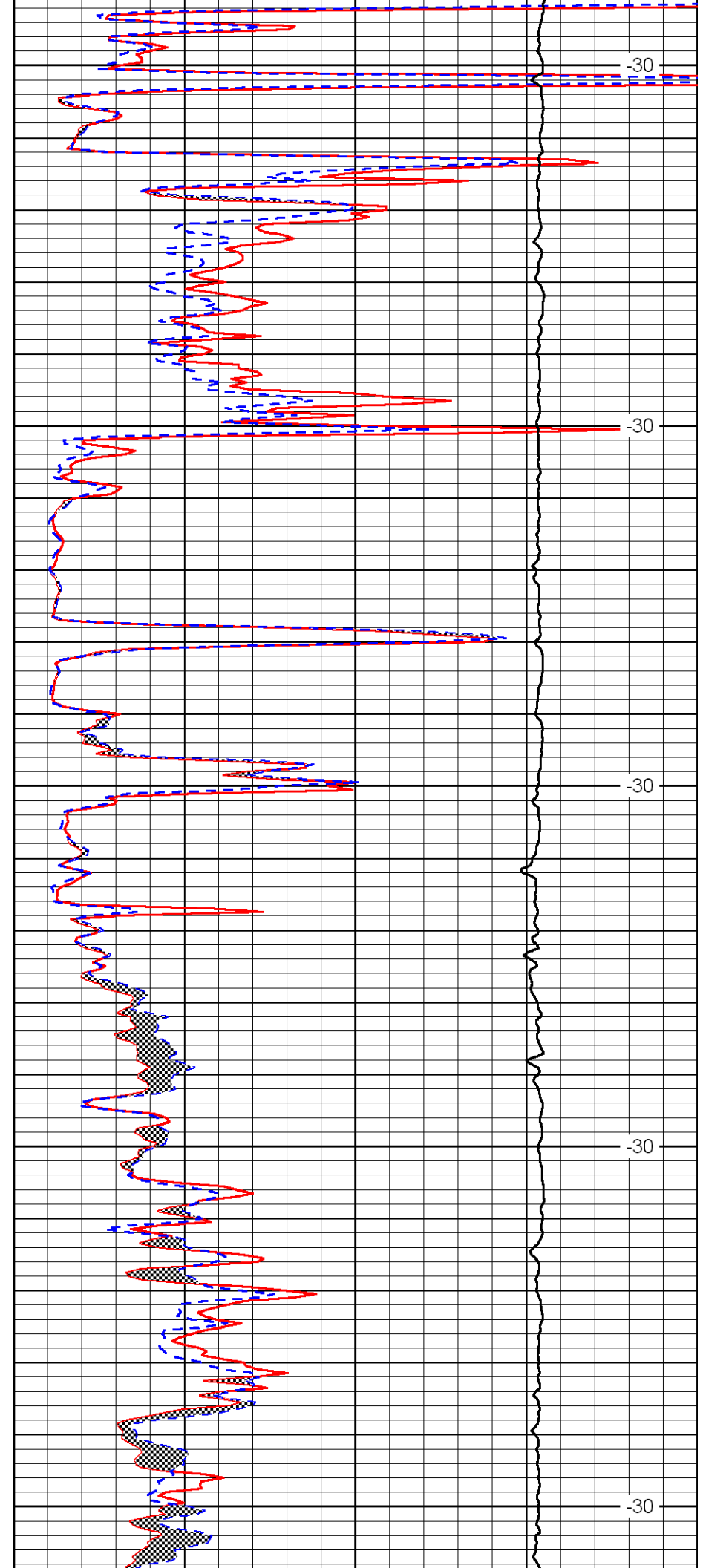
4250

4300

4350

4400

4450



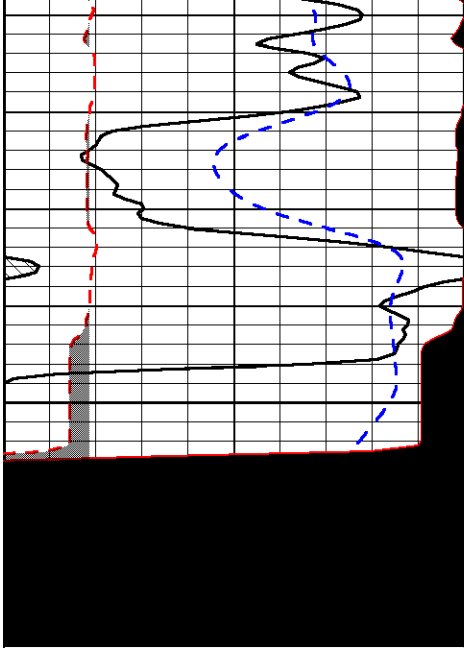
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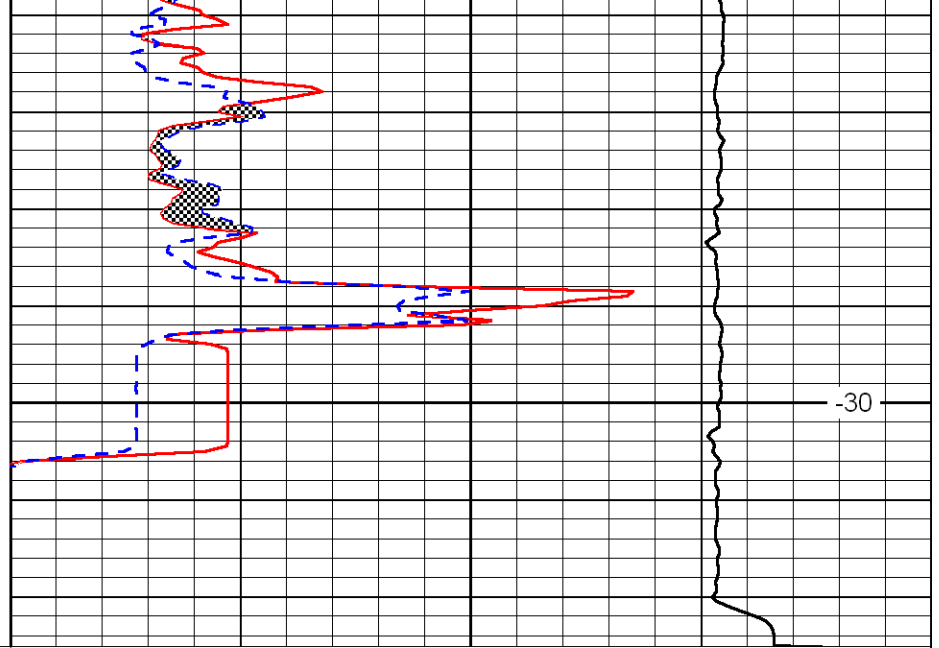
-30

-30



0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

4500



0	Micro Inverse 1 X 1	40
0	Micro Normal 2''	40
10000	Line Weight	0

LSPD

-30

ALLIED OIL & GAS SERVICES, LLC 056210

Federal Tax I.D.# 20-5975804

EMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Okley

DATE <u>6-5-12</u>	SEC. <u>10</u>	TWP. <u>1</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:30 PM</u>
PARTNER <u>Hartner</u>		WELL # <u>1-10</u>	LOCATION <u>Harndon 1/2 N. 3 1/2 W. 4 N.</u>	COUNTY <u>Rawlins</u>	STATE <u>Ks.</u>		
OLD OR NEW (Circle one)			<u>1/2 W. N into</u>				

CONTRACTOR LW-2

TYPE OF JOB PTA

COLE SIZE 7 7/8 T.D.

ASING SIZE DEPTH

UBING SIZE DEPTH

RILL PIPE 4 1/2 DEPTH

COLL DEPTH

RES. MAX MINIMUM

FEAS. LINE SHOE JOINT

EMENT LEFT IN CSG.

ERFS.

ISPLACEMENT

OWNER Same

CEMENT

AMOUNT ORDERED 205 SKS 60/40 4% Gal

1/4" Flo seal

EQUIPMENT

PUMP TRUCK CEMENTER Darren R.

427-281 HELPER Tyler

ULK TRUCK

347 DRIVER Chris

ULK TRUCK

DRIVER

COMMON	<u>123 SKS</u>	@ <u>\$16.25</u>	<u>\$1998.75</u>
POZMIX	<u>82 SKS</u>	@ <u>\$8.50</u>	<u>\$697.00</u>
GEL	<u>7 SKS</u>	@ <u>\$21.25</u>	<u>\$148.75</u>
CHLORIDE		@	
ASC		@	
<u>Flo seal 51"</u>		@ <u>2.70</u>	<u>\$137.70</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING <u>228.15 ft</u>		@ <u>\$2.10</u>	<u>\$479.16</u>
MILEAGE <u>9.19 X 80 X</u>		@ <u>\$2.35</u>	<u>\$1727.75</u>
TOTAL			<u>\$5189.08</u>

REMARKS:

Mix 25 SKs Cement 2780 ft

Mix 100 SKs Cement 2890 ft

Mix 40 SKs Cement 335 ft

Mix 10 SKs Cement 40 ft

Plug R.H. 20 SKs Cement

Thank You.

CHARGE TO: Crado Petroleum Co.

REET

TY STATE ZIP

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>\$1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>80</u>	@ <u>\$17.00</u>	<u>\$1360.00</u>
MANIFOLD	@	
<u>LU mileage</u>	@ <u>\$4.00</u>	<u>\$320.00</u>
	@	
TOTAL <u>\$2130.00</u>		

PLUG & FLOAT EQUIPMENT

<u>1 Top Wooden Plug</u>	@	<u>\$92.00</u>
	@	
	@	
	@	
	@	
TOTAL <u>\$92.00</u>		

o: Allied Oil & Gas Services, LLC.

ou are hereby requested to rent cementing equipment

id furnish cementer and helper(s) to assist owner or

ntractor to do work as is listed. The above work was

me to satisfaction and supervision of owner agent or

ntractor. I have read and understand the "GENERAL

ERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Justin Hamlin

SIGNATURE *[Signature]*

ALLIED CEMENTING CO., LLC. 034489

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Oakley, KS

DATE <u>5-27-12</u>	SEC. <u>10</u>	TWP. <u>1</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30pm</u>	JOB FINISH <u>5:00am</u>
LEASE <u>Hartner</u>	WELL# <u>1-10</u>	LOCATION <u>Hernandez, Y2W (Red)</u>			COUNTY <u>Rawlins</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>3Y2W (215) 4 W to CC, Y2W, Drift</u>					

CONTRACTOR WJW #4 OWNER Same

TYPE OF JOB Surface CEMENT AMOUNT ORDERED 1755kg com 320cc

HOLE SIZE 12 1/4 T.D. 2821 DRILL PIPE DEPTH 2821

CASING SIZE 8 7/8 DEPTH 2821 TOOL DEPTH

TUBING SIZE DEPTH COMMON 1755kg @ 26.25 43.25

DRILL PIPE DEPTH POZMIX @

TOOL DEPTH GEL 35kg @ 21.25 63.25

PRES. MAX MINIMUM CHLORIDE 6.5kg @ 58.20 347.20

MEAS. LINE SHOE JOINT ASC @

CEMENT LEFT IN CSG. 15' HANDLING 188.24kg @ 2.10 397.40

PERFS. MILEAGE 864km @ 12.35 1629.32

DISPLACEMENT 17.0 TOTAL 5276.42

EQUIPMENT

PUMP TRUCK CEMENTER LoRane

431/374 HELPER Dane

BULK TRUCK # 386/310 DRIVER St. Leon

BULK TRUCK # DRIVER

REMARKS:

Mix (1755kg cement)

Displace with water

Cement did circulate

Thank you

CHARGE TO: Credo Petroleum Co.

STREET CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

TOTAL 2055.00

SALES TAX (if Any) TOTAL CHARGES DISCOUNT IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME IAN HERBERT

SIGNATURE [Signature]