



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1215227
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: _____

1215227

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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PAGE	CUST NO	INVOICE DATE
1 of 1	1C 328	10/29/2013
INVOICE NUMBER		
1718 - 91323500		

Pratt (620) 672-1201
 B PRATER OIL & GAS
 I 1303 N MAIN ST
 L PRATT
 L KS US 67124
 T
 O ATTN:

J LEASE NAME Herndon 4-36
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40656148	20920		Net - 30 days	11/28/2013

For Service Dates: 10/25/2013 to 10/25/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
0040656148				
171809091A Cement-New Well Casing/Pi 10/25/2013				
Cement 8 5/8 Surface				
60/40 POZ	300.00	EA	9.00	2,699.70 T
Celloflake	76.00	EA	2.77	210.88 T
Calcium Chloride	774.00	EA	0.79	609.46 T
Cement Gel	516.00	EA	0.19	96.74 T
"Wooden Cmt Plug, 8 5/8""	1.00	EA	119.99	119.99
"Unit Mileage Chg (PU, cars one way)"	25.00	MI	3.19	79.68
Heavy Equipment Mileage	50.00	MI	5.25	262.47
"Proppant & Bulk Del. Chgs., per ton mil	323.00	EA	1.20	387.56
Depth Charge; 0-500'	1.00	EA	749.92	749.92
Blending & Mixing Service Charge	300.00	BAG	1.05	314.97
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.24	131.24

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	5,662.61
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	258.60
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	5,921.21
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



PAGE 1 of 1	CUST NO 1005628	INVOICE DATE 11/01/2013
INVOICE NUMBER 1718 - 91327692		

Pratt (620) 672-1201
 B PRATER OIL & GAS
 I 1303 N MAIN ST
 L PRATT
 L KS US 67124
 T
 O ATTN:

J LEASE NAME Herndon 4-36
 O LOCATION
 B COUNTY Barber
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40657987	27463		Net - 30 days	12/01/2013

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 10/30/2013 to 10/30/2013</i>				
0040657987				
171809095A Cement-New Well Casing/Pi 10/30/2013				
Cement 5 1/2" Longstring				
AA2 Cement	225.00	EA	12.75	2,868.75 T
Celloflake	57.00	EA	2.78	158.18 T
C-41P	43.00	EA	3.00	129.00 T
Salt	1,024.00	EA	0.38	384.00 T
Cement Friction Reducer	64.00	EA	4.50	288.00 T
C-44	212.00	EA	3.86	818.85 T
FLA-322	106.00	EA	5.63	596.25 T
Mud Flush	500.00	EA	0.65	322.50 T
Gilsonite	1,125.00	EA	0.50	565.31 T
Claymax KCL Substitute	1.00	EA	26.25	26.25 T
"Top Rubber Cmt Plug, 5 1/2""	1.00	EA	78.75	78.75
"Guide Shoe - Regular, 5 1/2"" (Blue)"	1.00	EA	187.50	187.50
"Turbolizer, 5 1/2"" (Blue)"	9.00	EA	82.50	742.50
Flapper Type Insrt Float Valve 5 1/2" (Bi	1.00	EA	161.25	161.25
"Unit Mileage Chg (PU, cars one way)"	25.00	MI	3.19	79.69
Heavy Equipment Mileage	50.00	MI	5.25	262.50
"Proppant & Bulk Del. Chgs., per ton mil"	265.00	EA	1.20	318.00
Depth Charge, 4001'-5000'	1.00	EA	1,890.00	1,890.00
Blending & Mixing Service Charge	225.00	BAG	1.05	236.25
Plug Container Util. Chg.	1.00	EA	187.50	187.50
"Service Supervisor, first 8 hrs on loc.	1.00	EA	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	10,432.28
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	440.23
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	10,872.51
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



Pioneer Energy Services

Computer Processed Interpretation

15-007-24176-00-00

Company Prater Oil & Gas Operations, Inc.
Well Herndon #5-36
Field Amber Creek
County Barber State **Kansas**

Location NW SW SE SW
 495' FSL / 3900' FEL

Sec: 36 **Twp:** 30S **Rge:** 12W

Other Services
 DIL/CNL/CDL

Permanent Datum Ground Level Elevation 1640
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
 K.B. 1649
 D.F. G.L. 1640

Date Recorded 6/21/2014

Depth Logger 4500

Curve Definitions

SW Water Saturation

SXO Water Saturation In The Flushed Zone

VCL Volume Of Clay

PHIE Density - Neutron Crossplot Shale Corrected

BVW Bulk Volume Water

BVWSXO Bulk Volume Water In Flushed Zone

DCAL Caliper

SPC SP Corrected For Baseline

DGA Apparent Grain Density

Payflag If: PHIE > 2, VCL < 40, SPC > -10, SW < 50 & DCAL < 11

Recorded By R. Barnhart

Witnessed By Scott Alberg

Analysis By T. Martin

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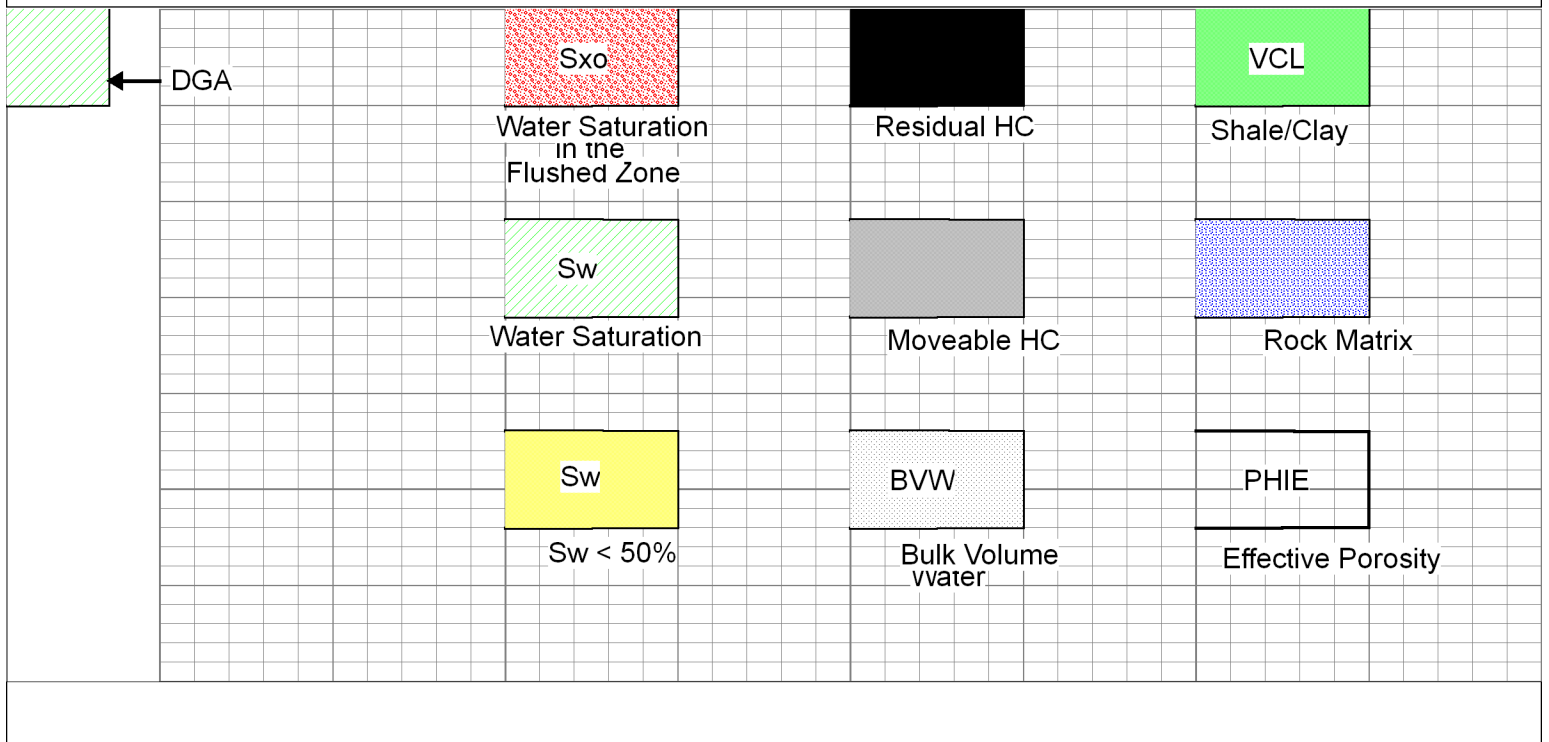
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

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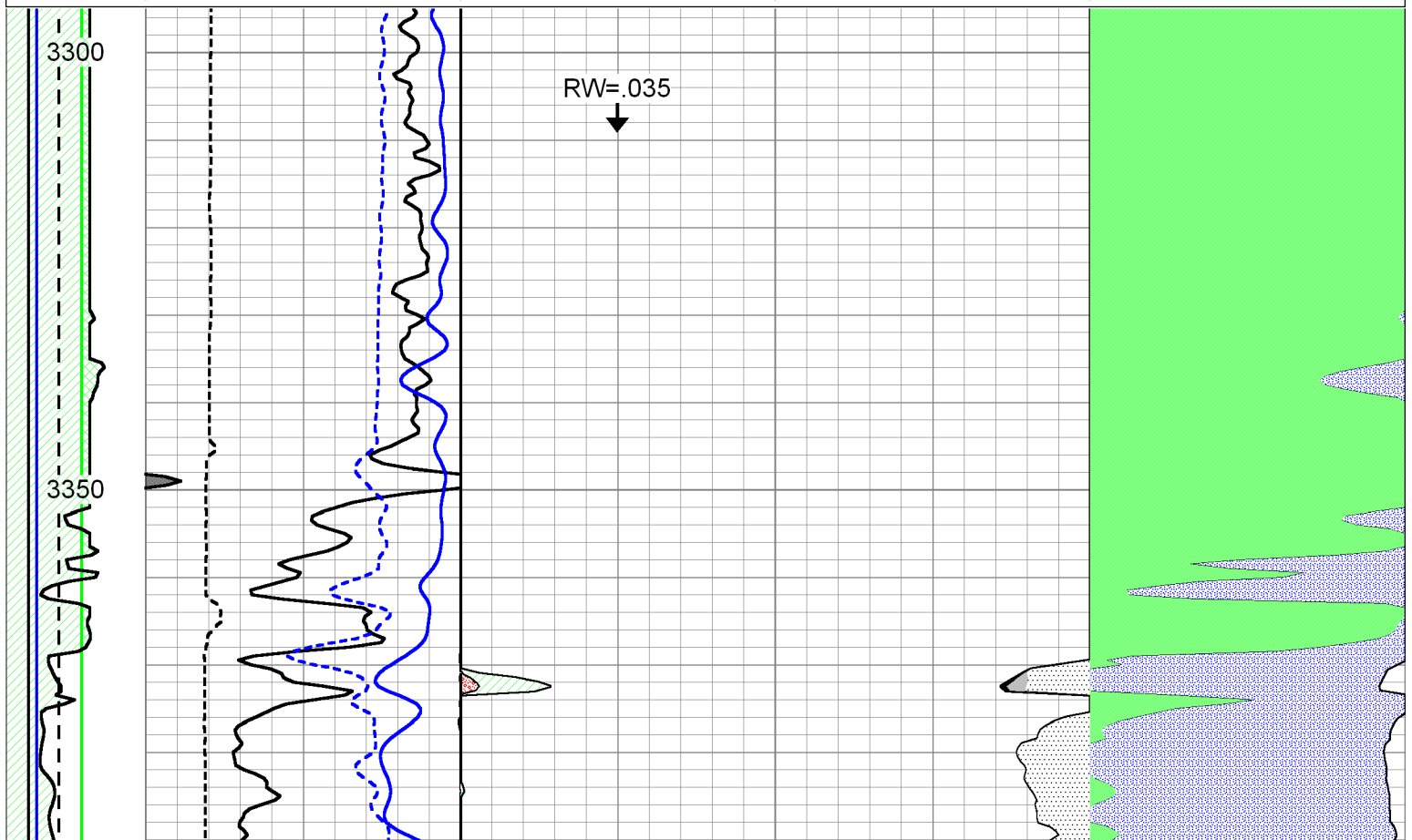
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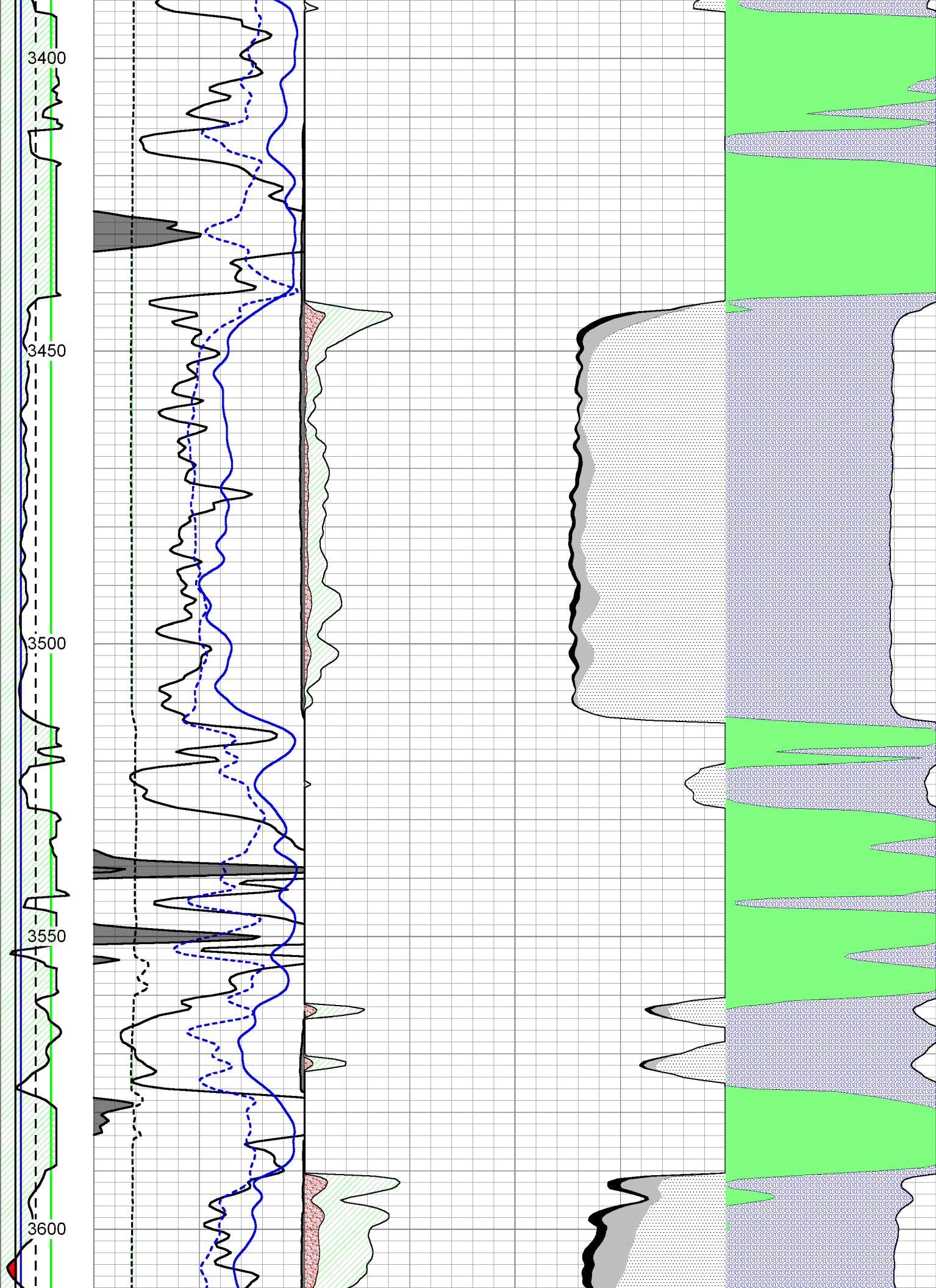
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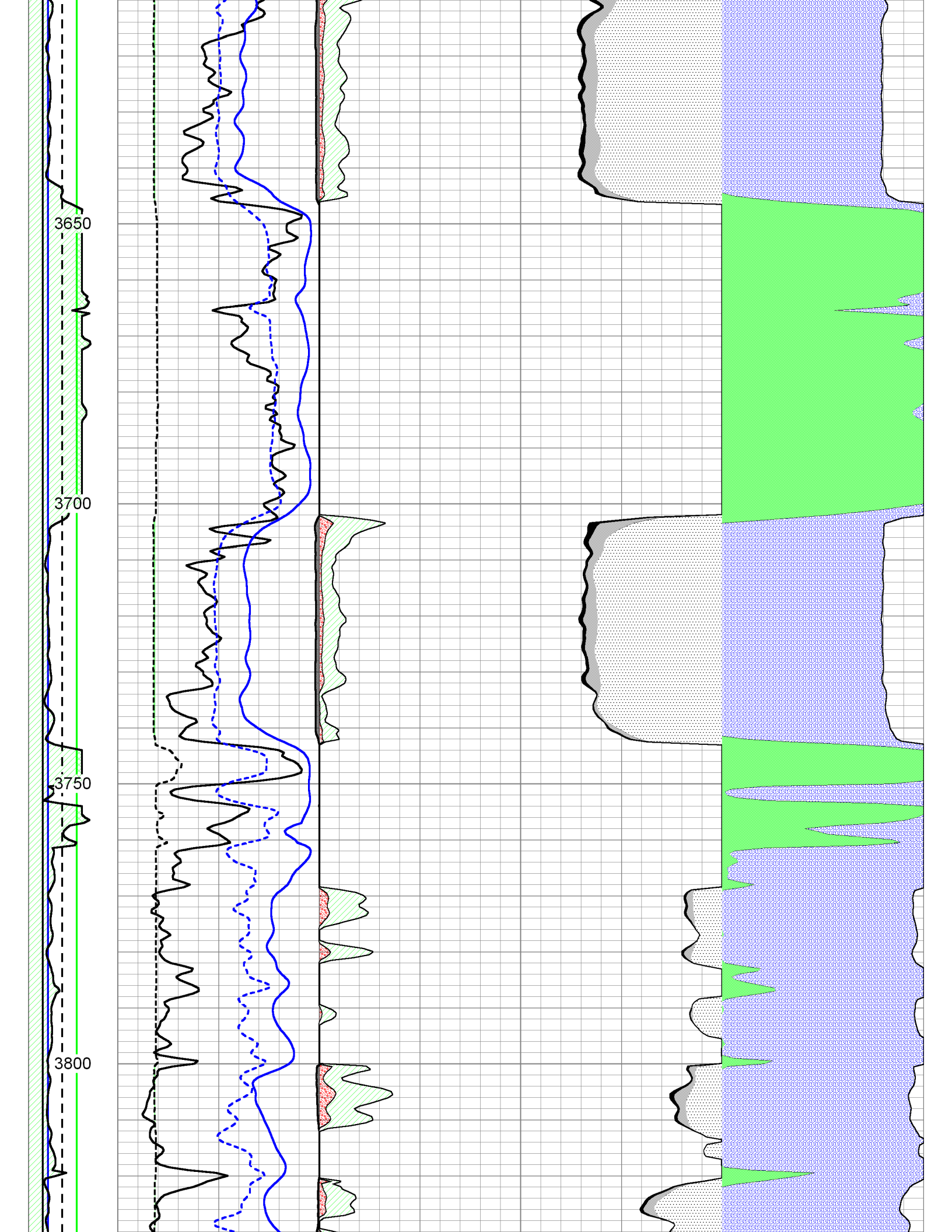


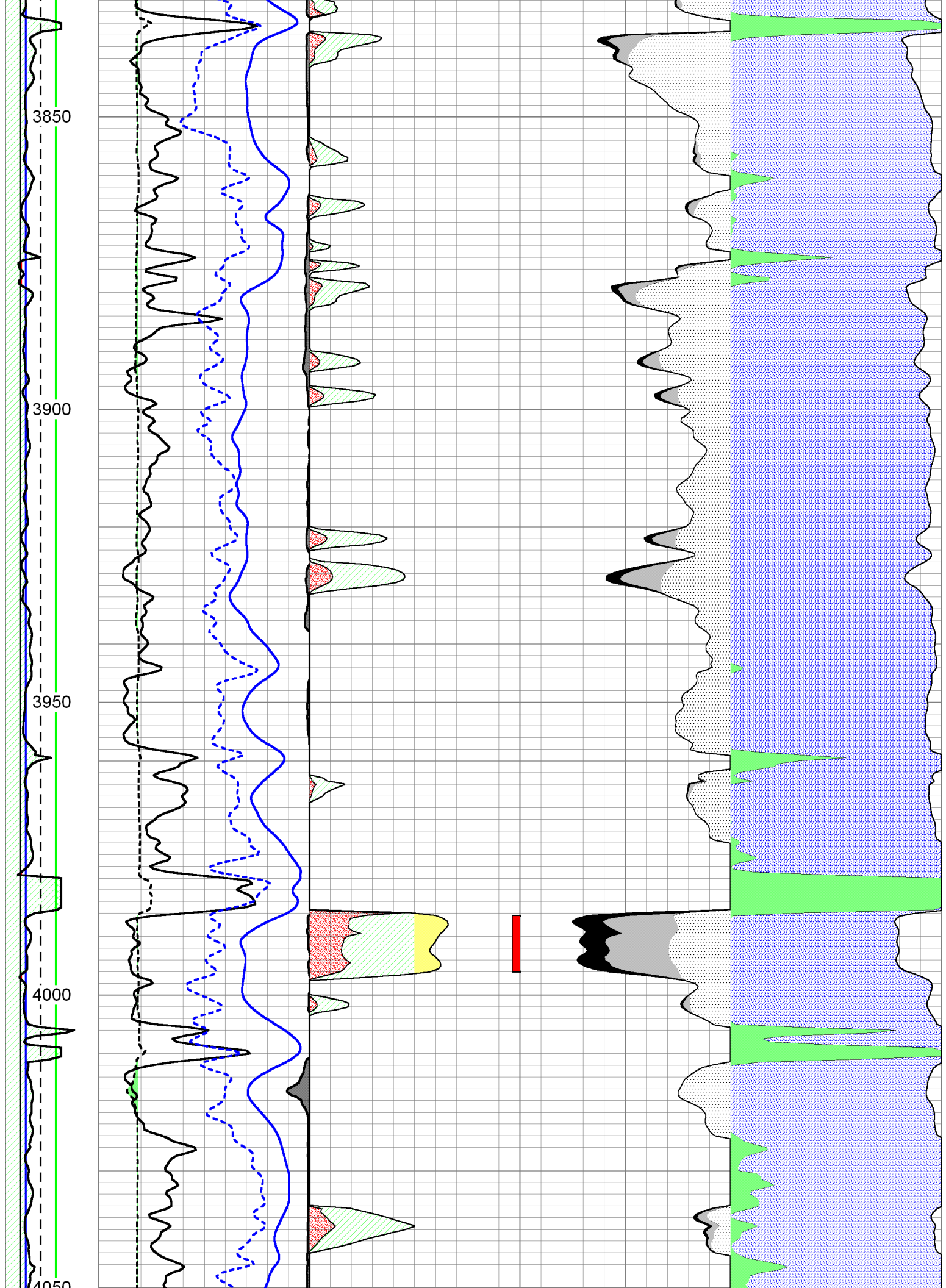
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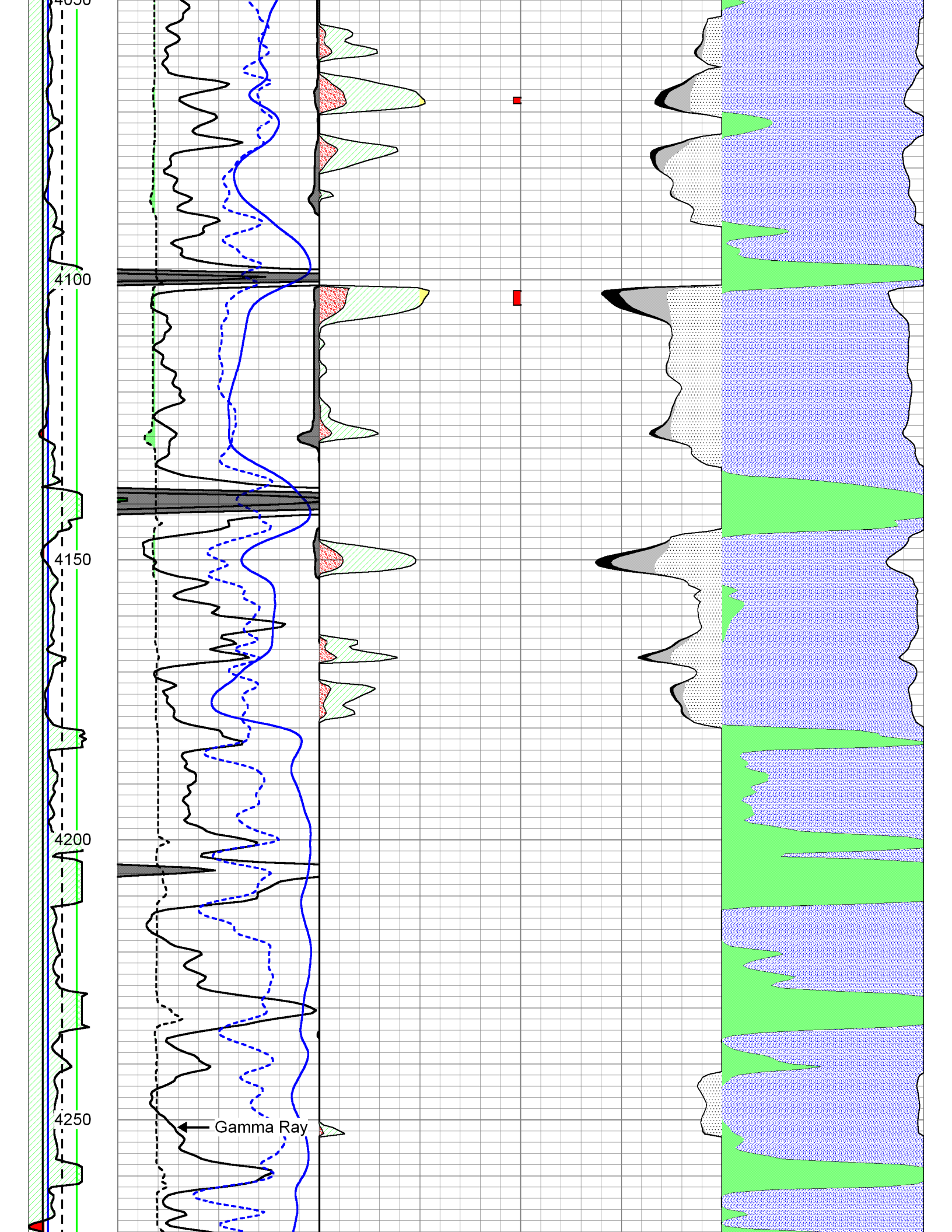
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2.6	3.1	6	DCAL (GAPI)	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0.3	BVWSXO	0			

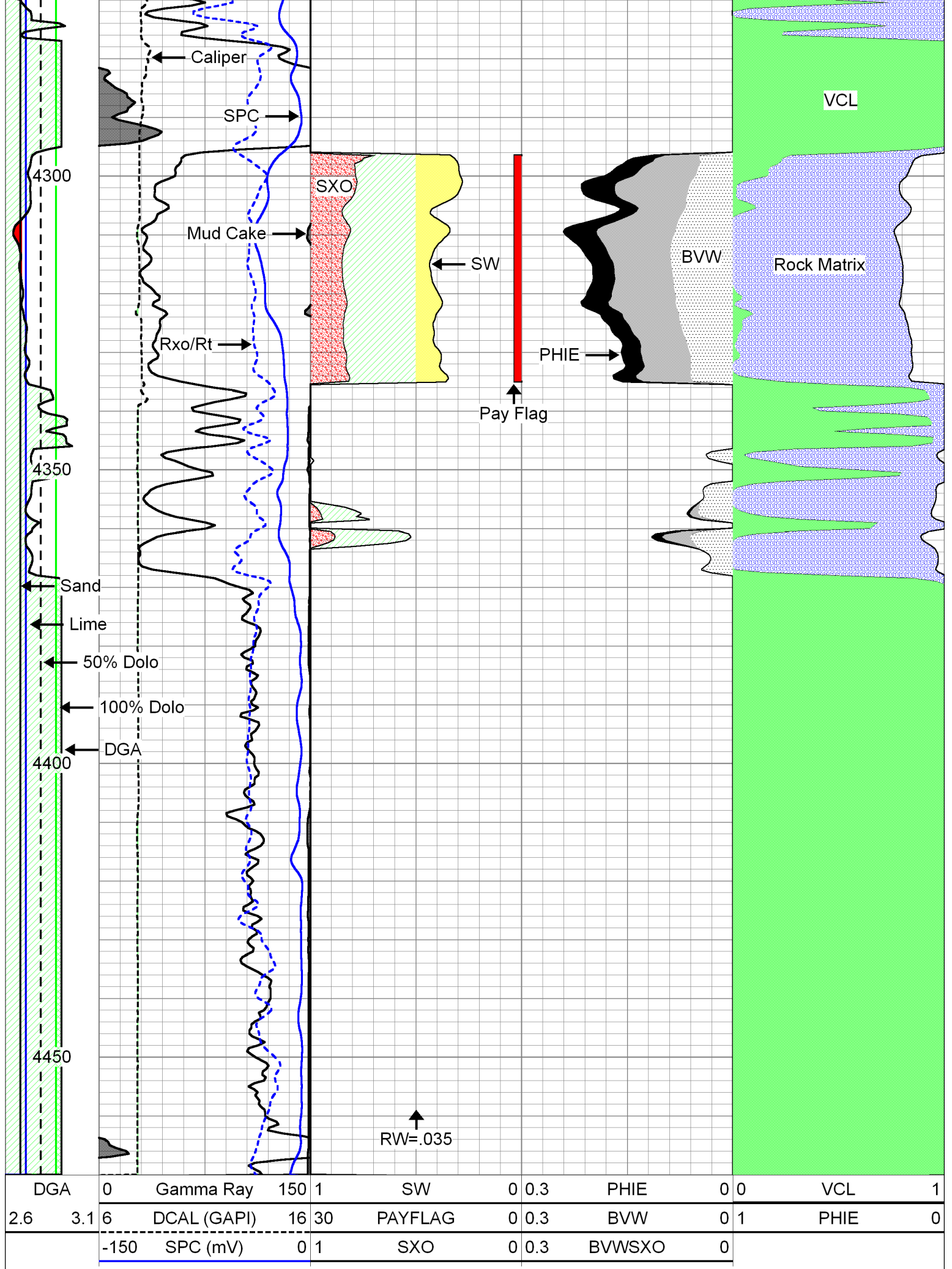












DGA	0	Gamma Ray	150	1	SW	0	0.3	PHIE	0	0	VCL	1	
2.6	3.1	6	DCAL (GAPI)	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0.3	BVWSXO	0			



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-007-24176-00-00		
Company	Prater Oil & Gas Operations, Inc.		
Well	Herndon #5-36		
Field	Amber Creek		
County	Barber		
State	Kansas		
Location	NW SW SE SW 495' FSL / 3900' FEL		
Sec: 36	Twp: 30S	Rge: 12W	Elevation DIL
Permanent Datum	Ground Level	Elevation 1640	K.B. 1649
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum	D.F. 1640
Drilling Measured From	Kelly Bushing		
Date	6/21/2014		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4500		
Depth Logger	4500		
Bottom Logged Interval	4479		
Top Logged Interval	3300		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	7000		
Density	9.3		
Level	Full		
Max. Rec. Temp. F	121		
Operating Rig Time	3 Hours		
Equipment -- Location	17 Hays		
Recorded By	R. Barnhart		
Witnessed By	Scott Alberg		

Borehole Record				Casing Record			
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	271	8.625	23#	00	271
Two	7.875	271	TD				

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Comments

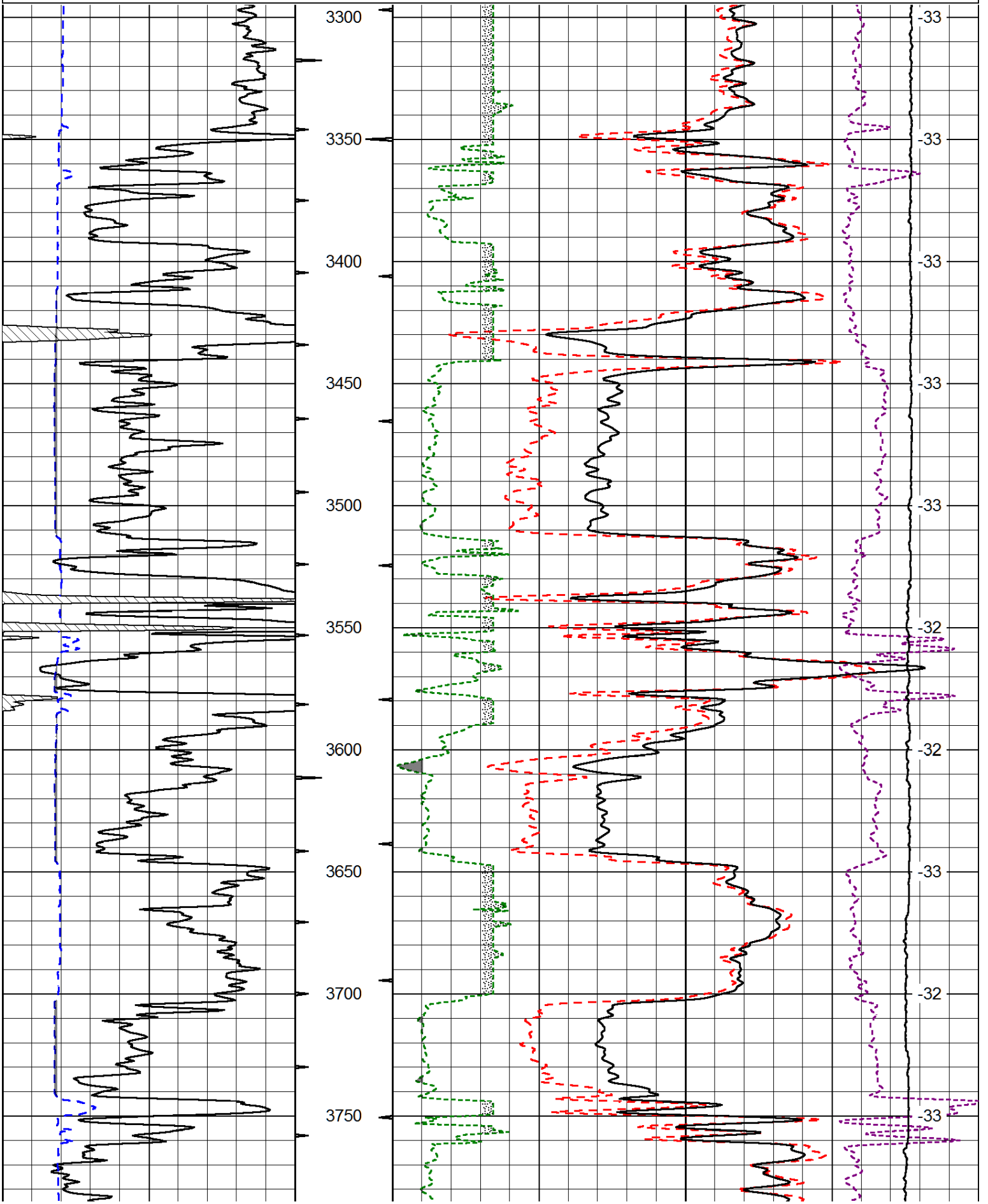
Thank you for using Log-Tech, Inc.
(785) 625-3858

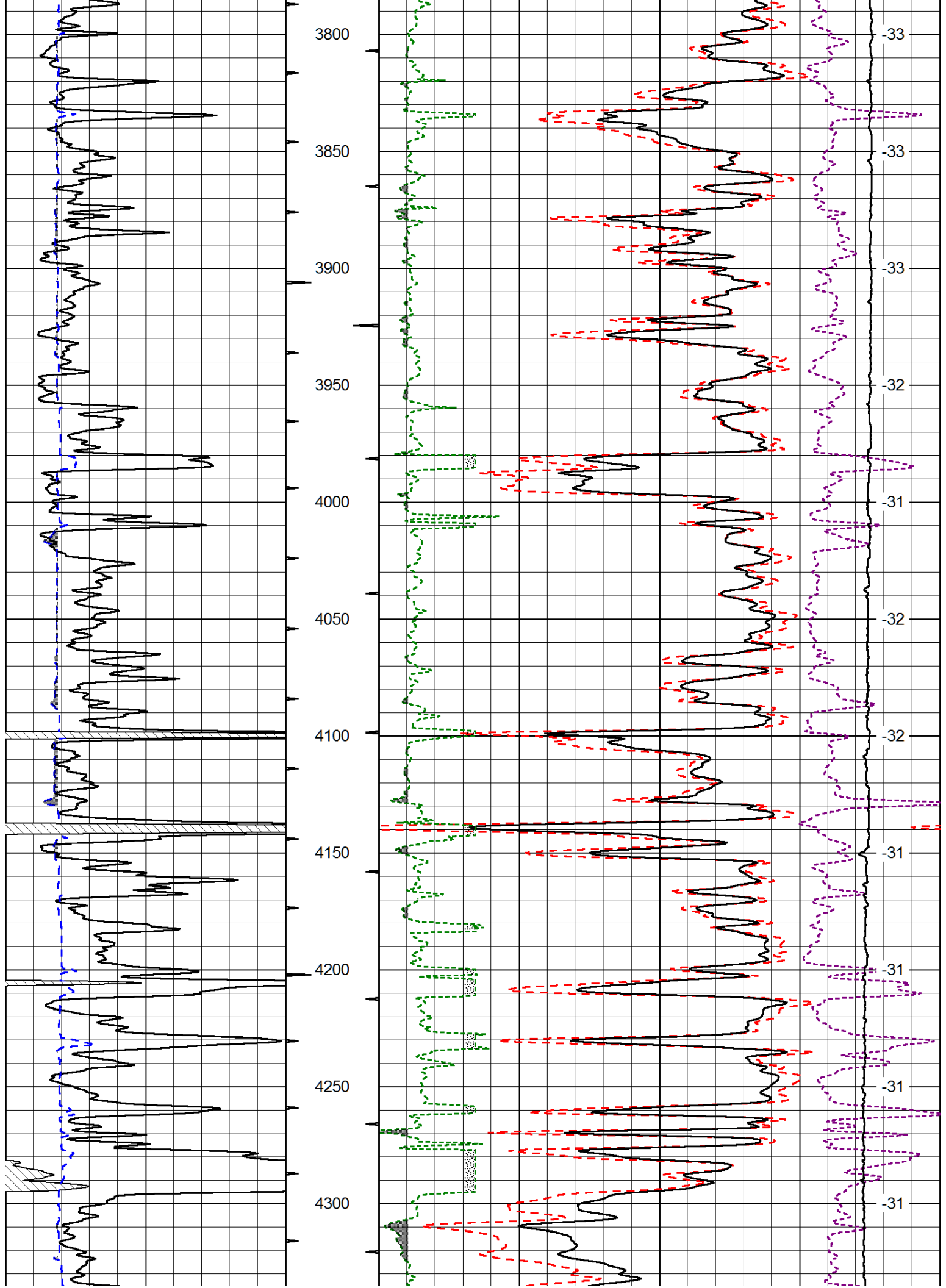
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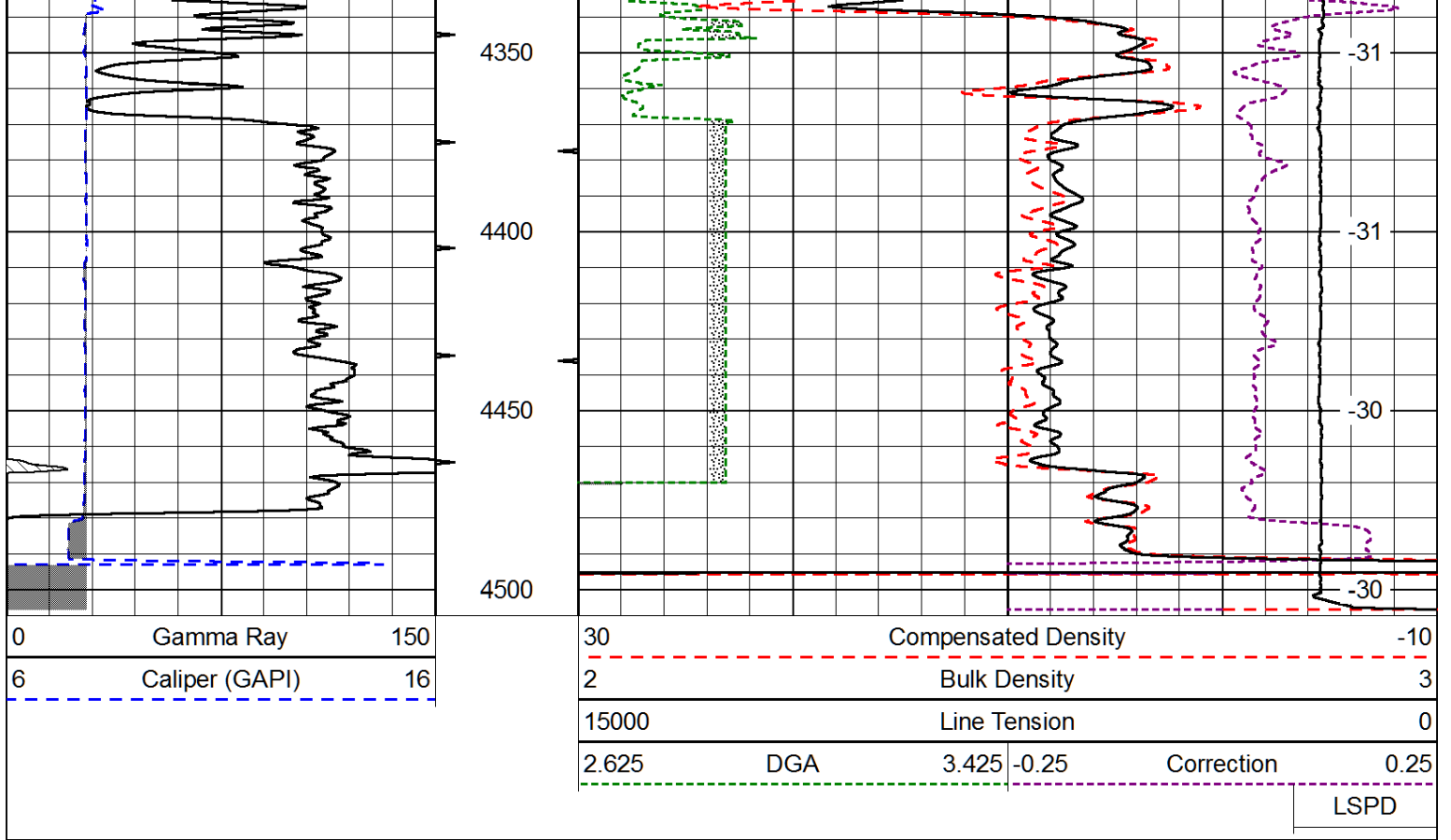
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6	Caliper (GAPI)	16

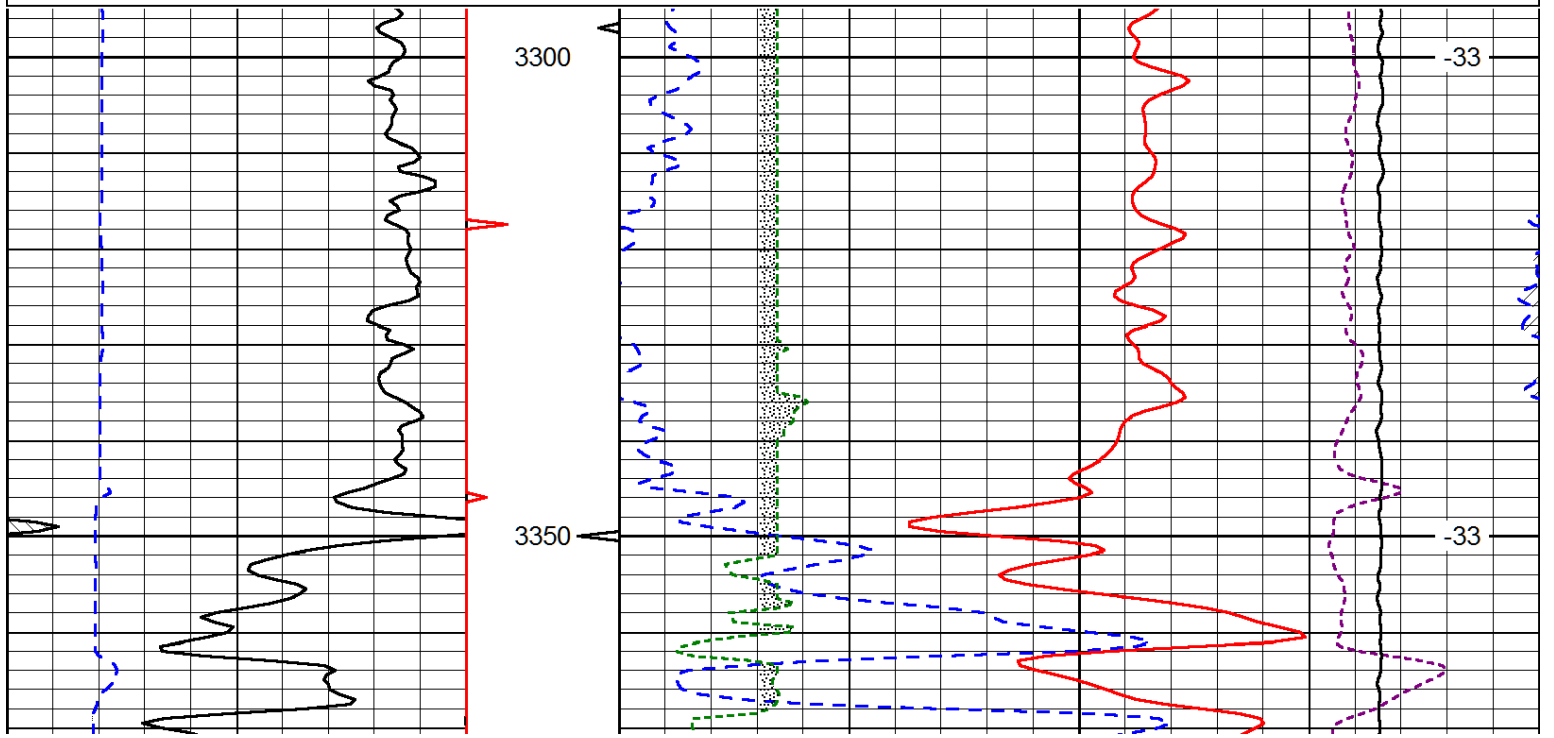
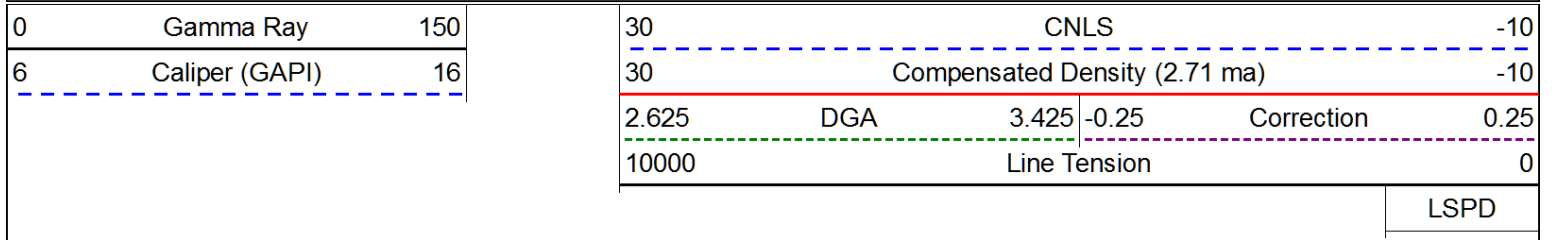
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25

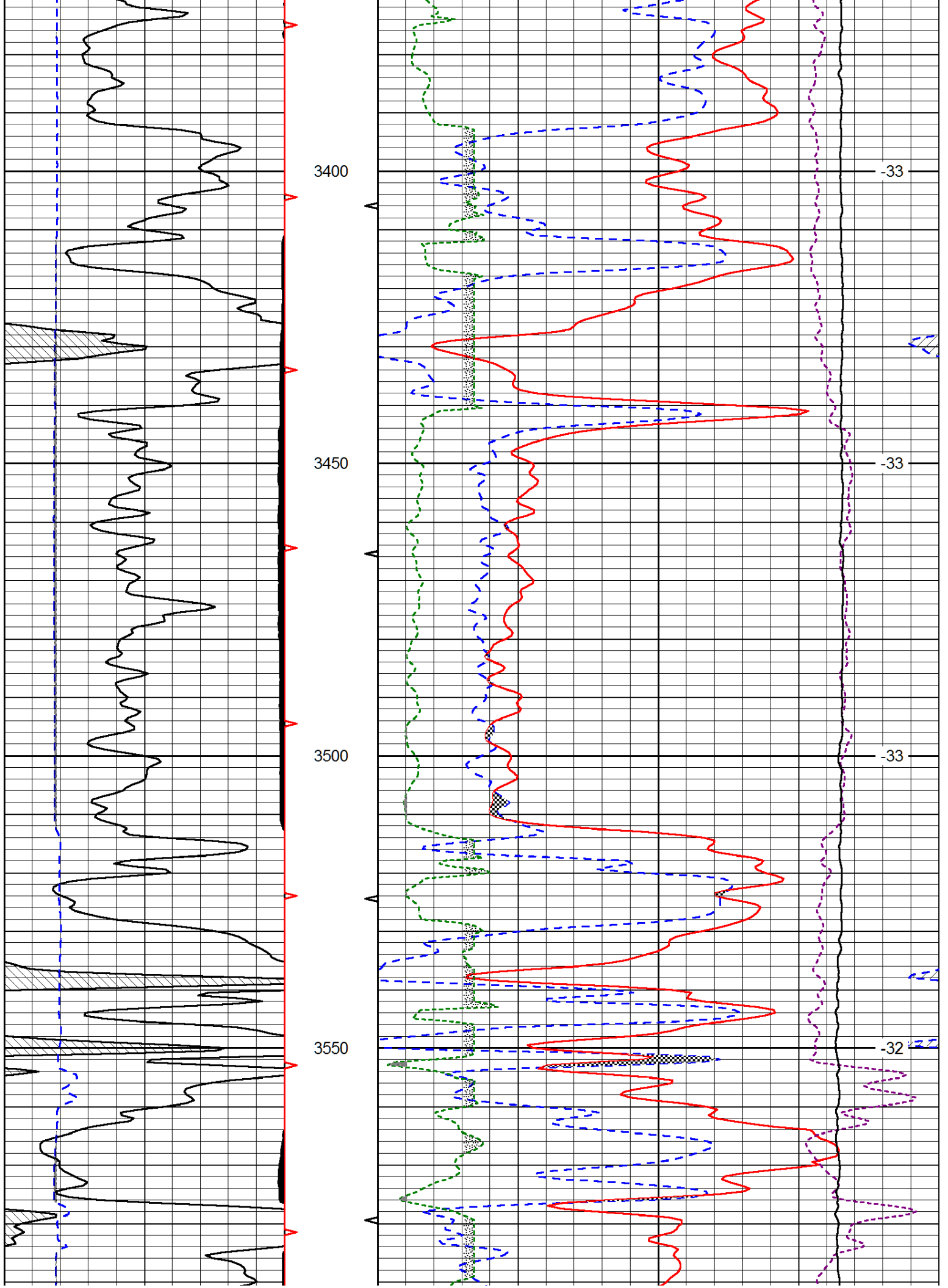


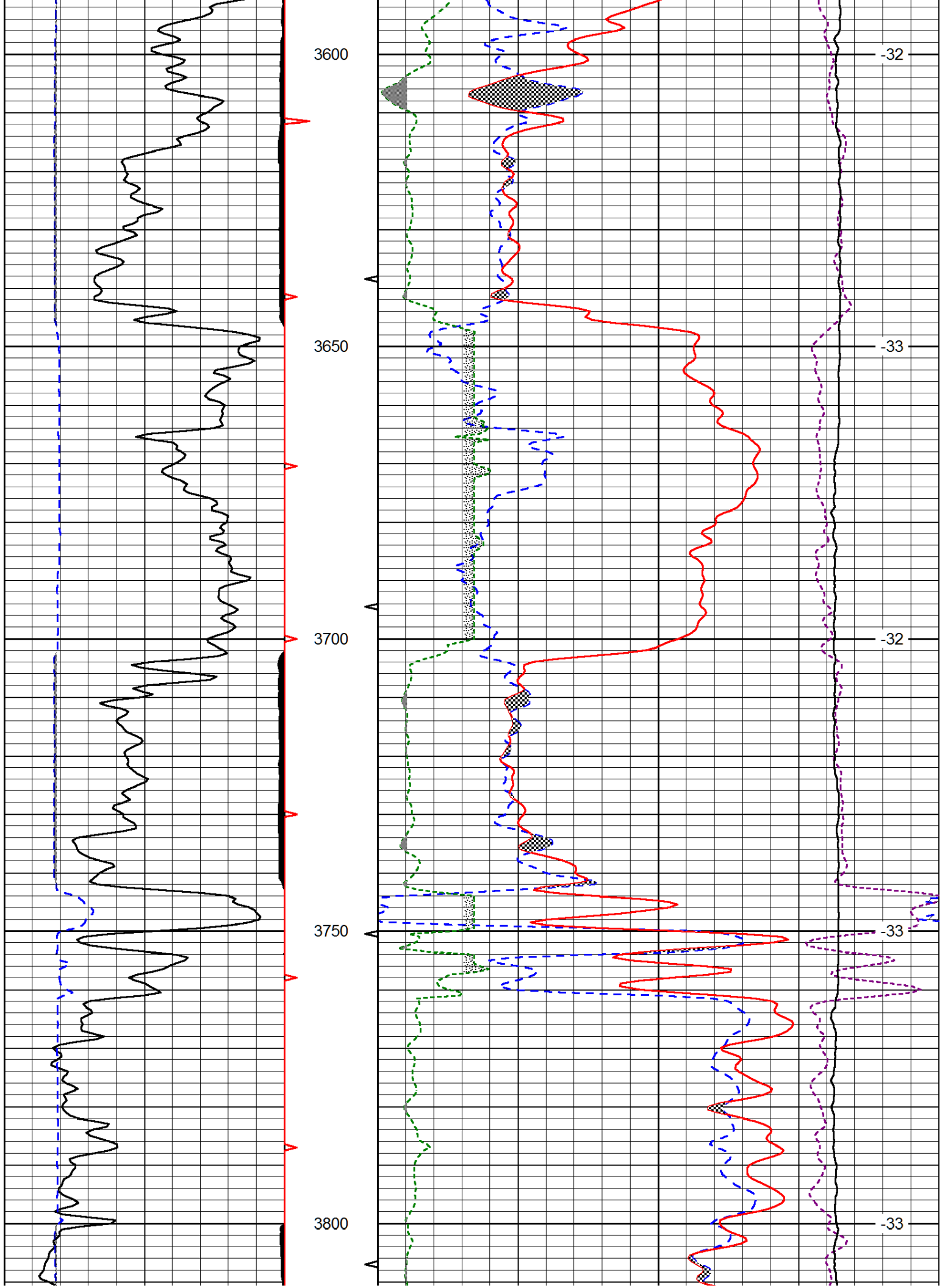


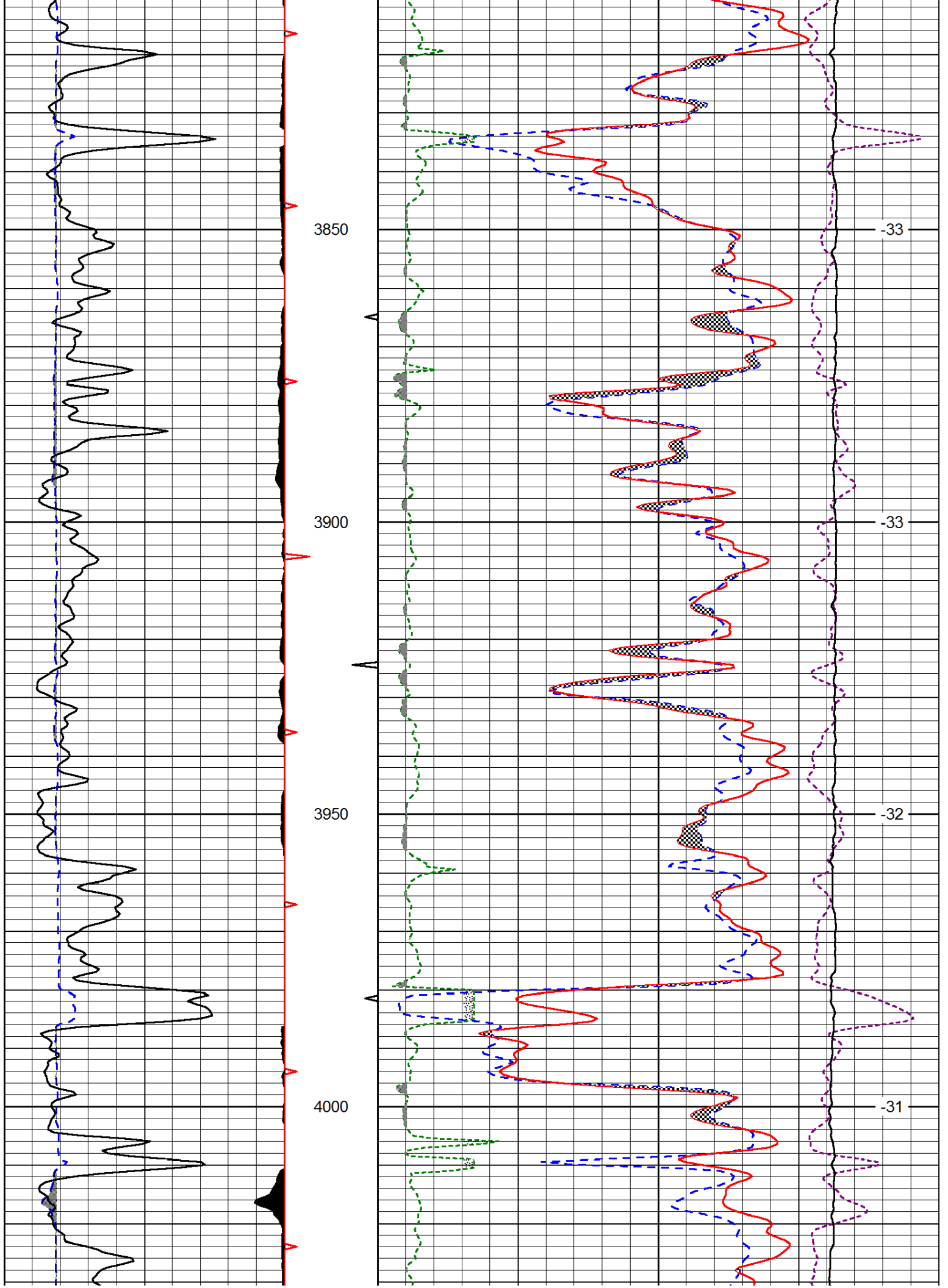


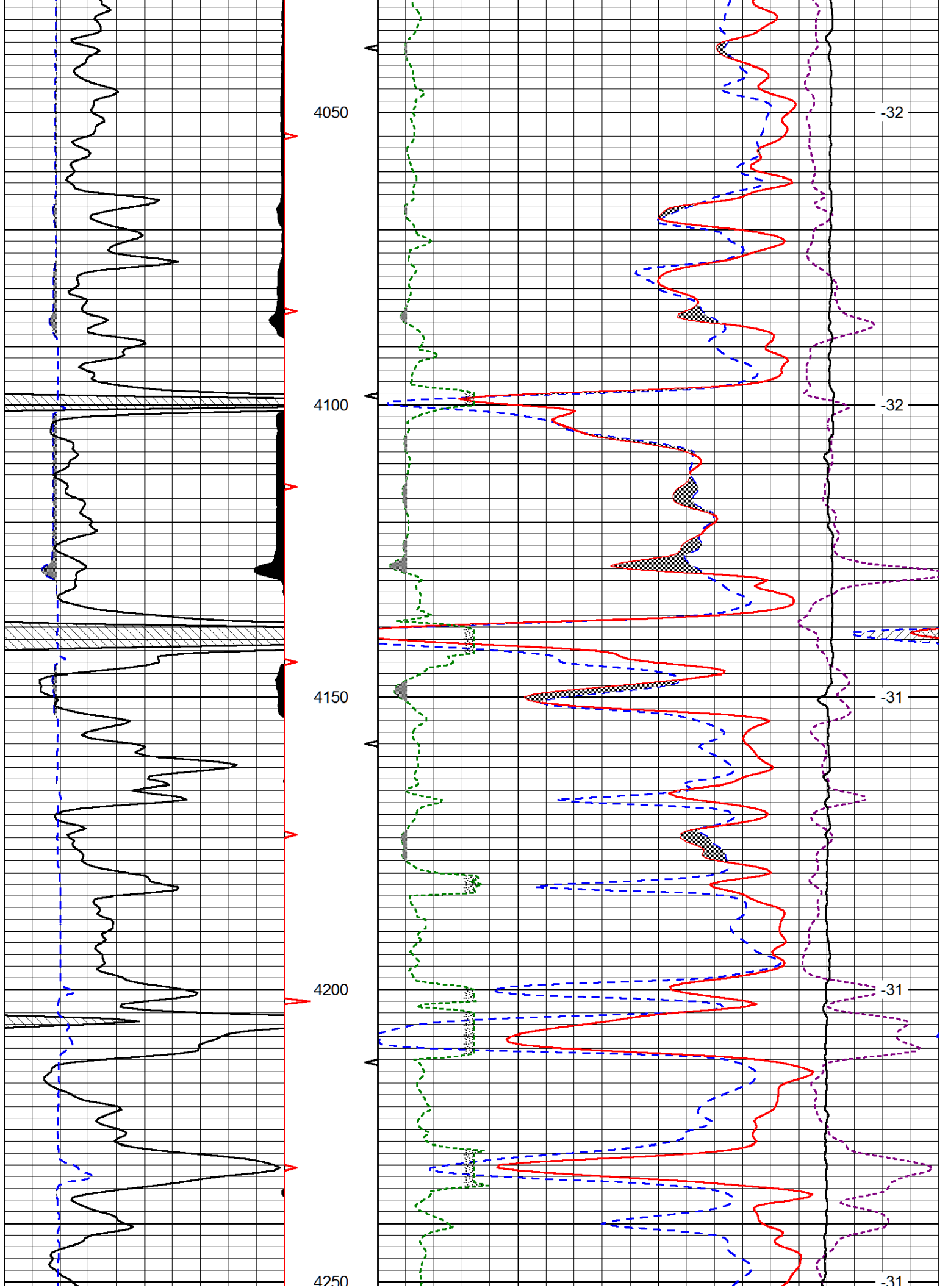
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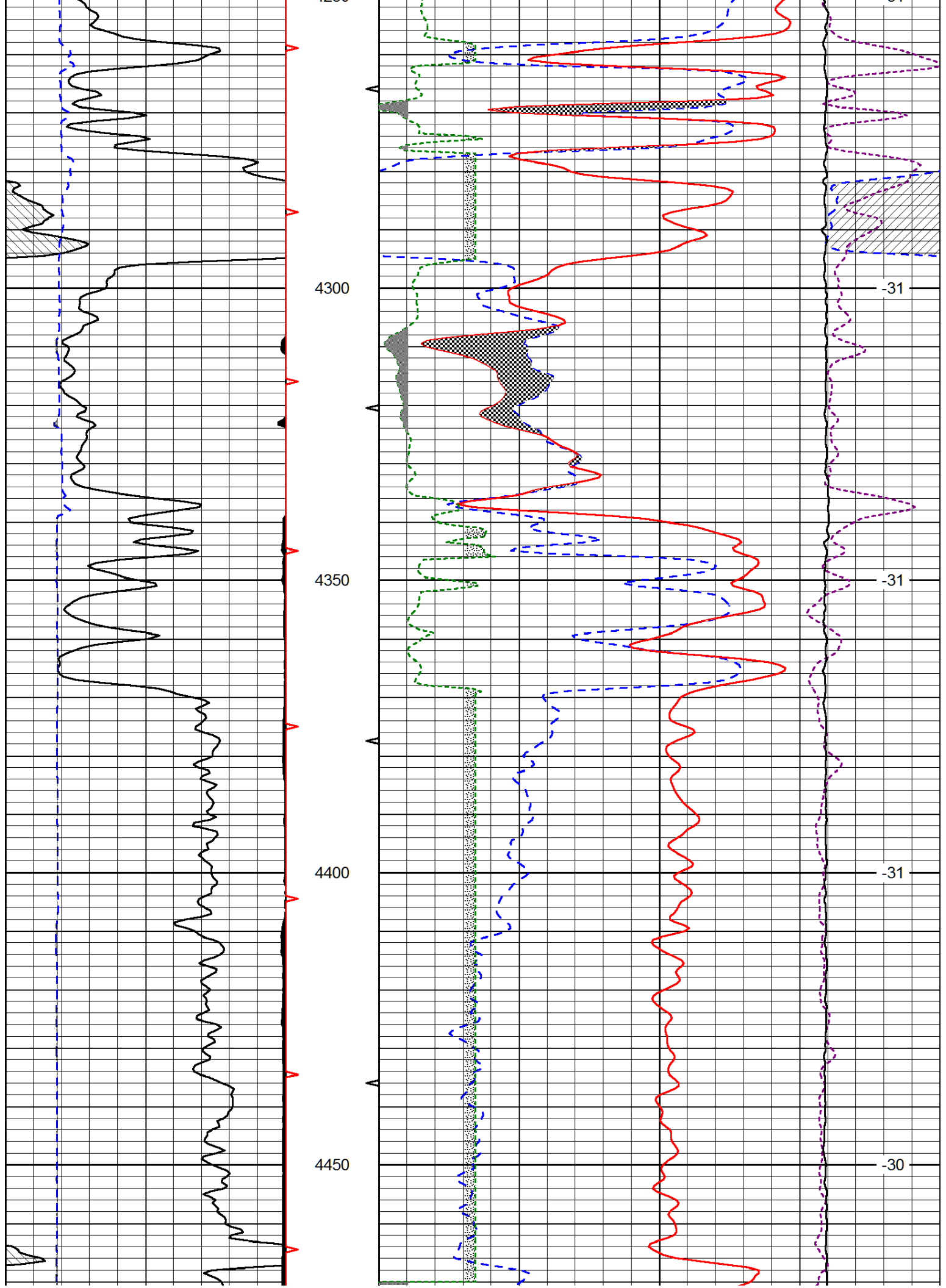


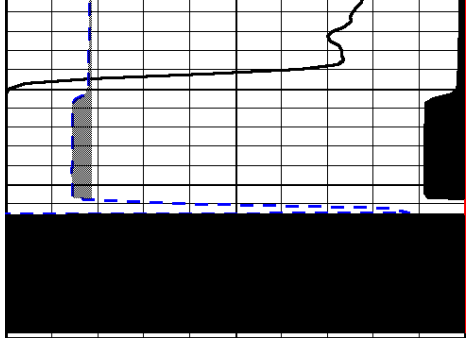




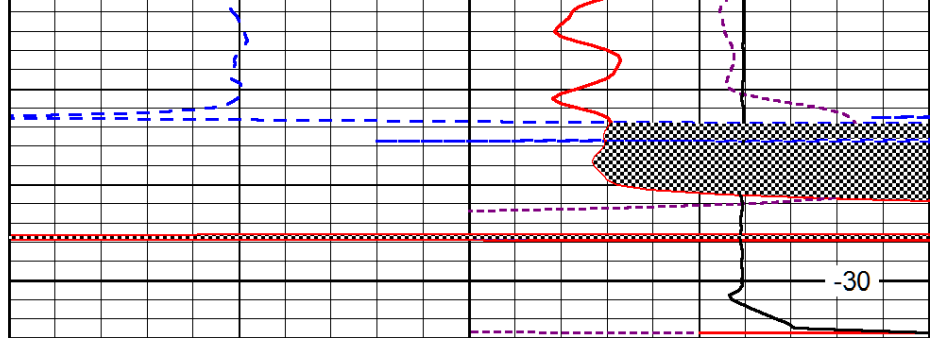








4500



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



Pioneer Energy Services

Dual Induction Log

15-007-24176-00-00

Company Prater Oil & Gas Operations, Inc.
Well Herndon #5-36
Field Amber Creek
County Barber **State** Kansas
Location NW SW/SE SW
 495' FSL / 3900' FEL
Sec: 36 **Twp:** 30S **Rge:** 12W
Other Services
 CNL / CDL
Elevation
 K.B. 1649
 D.F. 1640
 G.L. 1640

Permanent Datum	Ground Level	Elevation 1640
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date		6/21/2014
Run Number		One
Depth Driller		4500
Depth Logger		4500
Bottom Logged Interval		4499
Top Log Interval		250
Casing Driller		8.625 @ 271
Casing Logger		270
Bit Size		7.875
Type Fluid in Hole		Chemical
Salinity, ppm CL		7000
Density / Viscosity		9.3 54
pH / Fluid Loss		10.0 10.8
Source of Sample		Flowline
Rm @ Meas. Temp		0.32 @ 74
Rmf @ Meas. Temp		0.24 @ 74
Rmc @ Meas. Temp		0.43 @ 74
Source of Rmf / Rmc		Charts
Rm @ BHT		0.20 @ 121
Operating Rig Time		3 Hours
Max Rec. Temp. F		121
Equipment Number		17
Location		Hays
Recorded By		R. Barnhart
Witnessed By		Scott Alberg

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Comments

Thank you for using Log-Tech, Inc.
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 Sawyer, KS:
 S to 99 Springs Rd., N to Gallardia Rd., 1/2E, N into

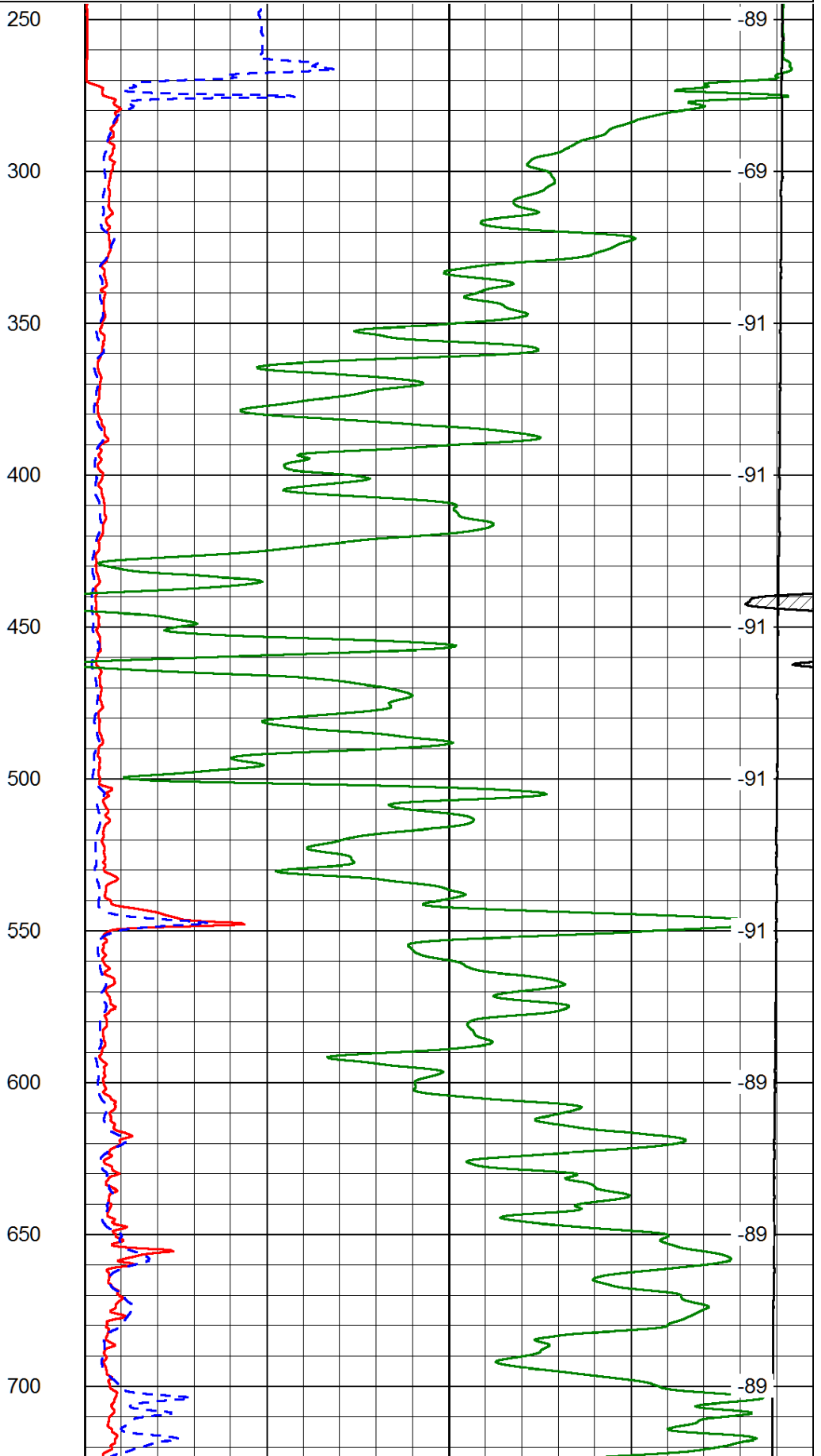
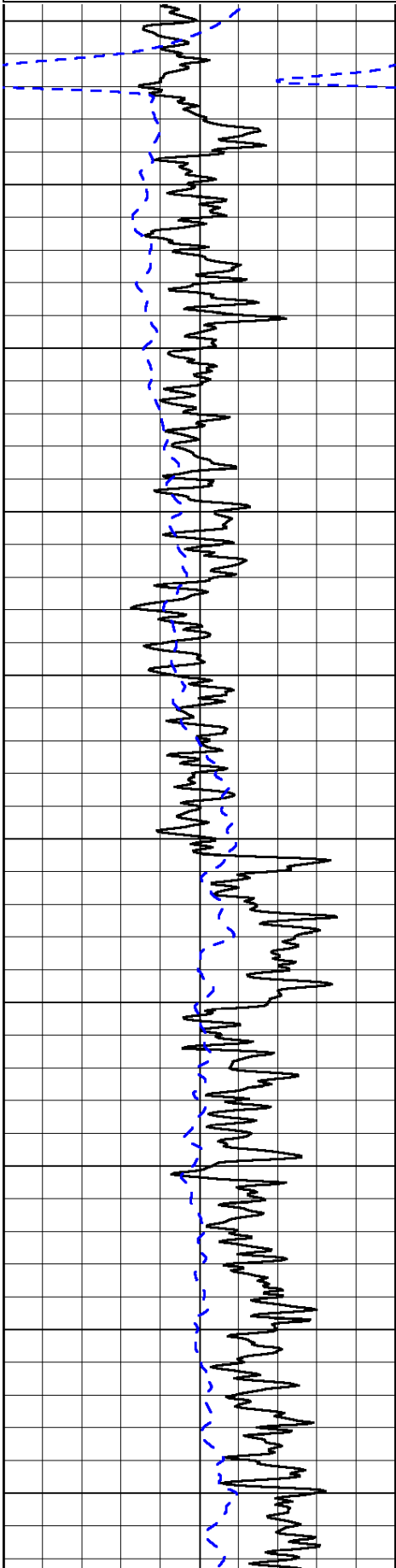
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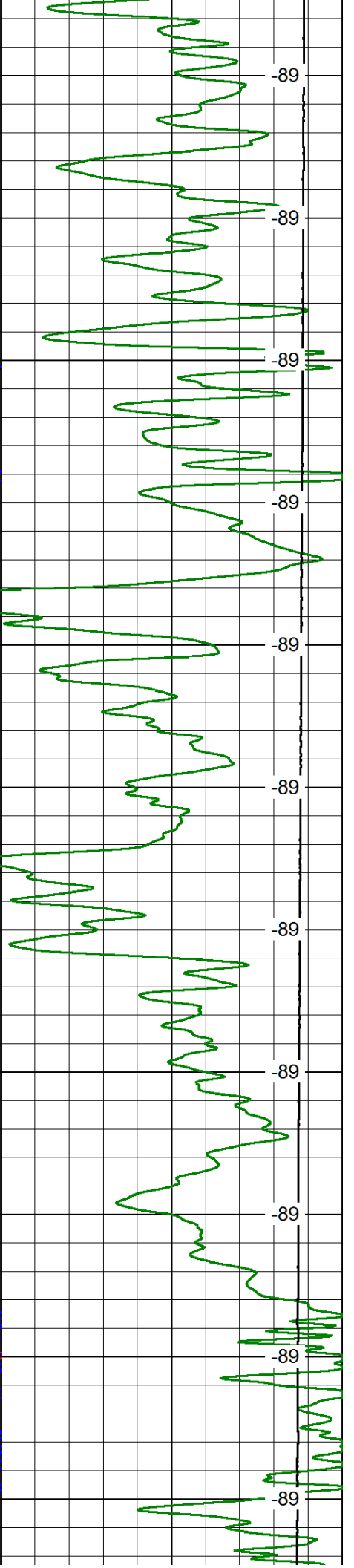
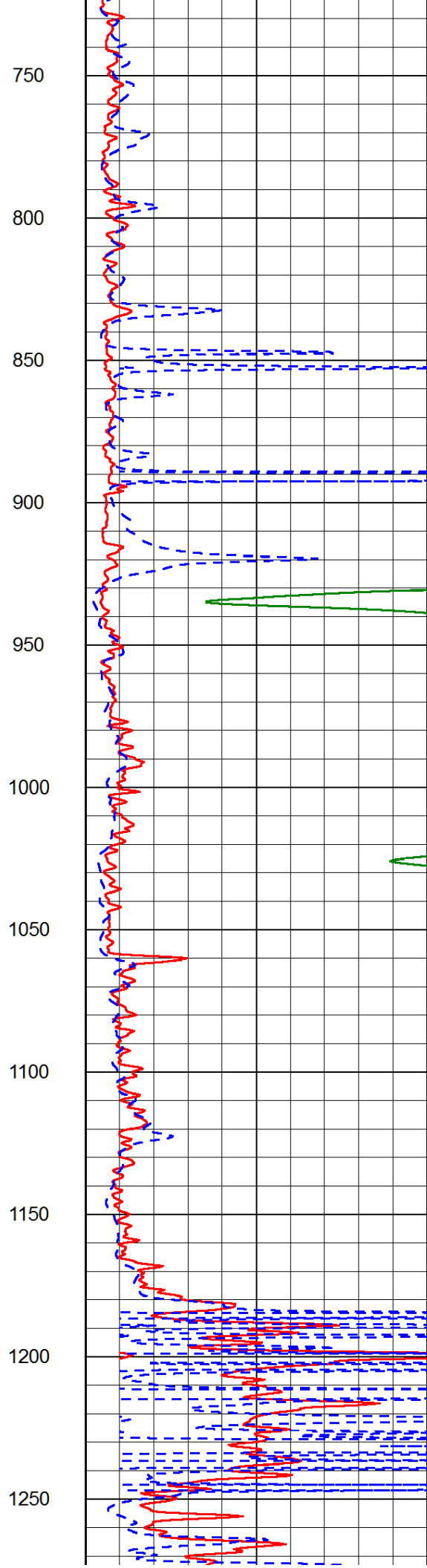
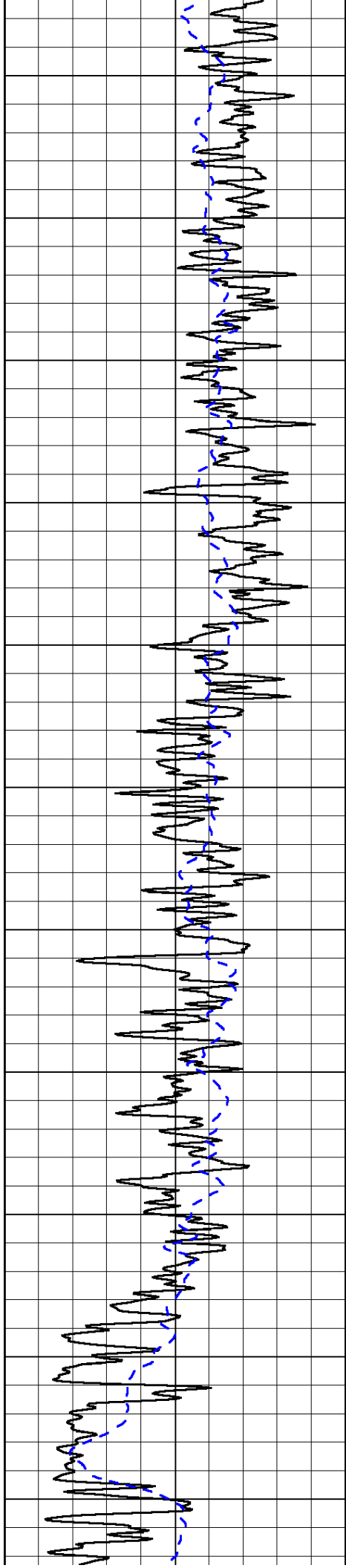
0	Gamma Ray	150
-200	SP (mV)	0

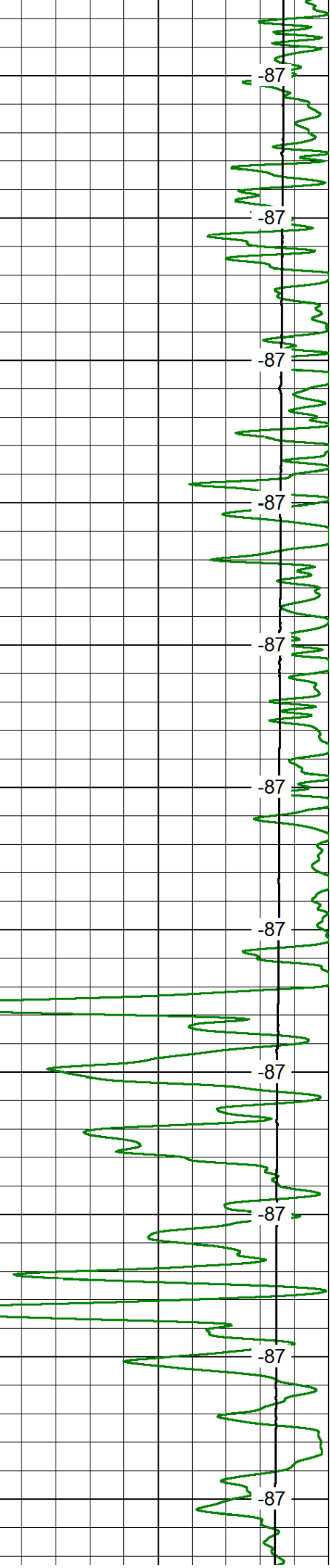
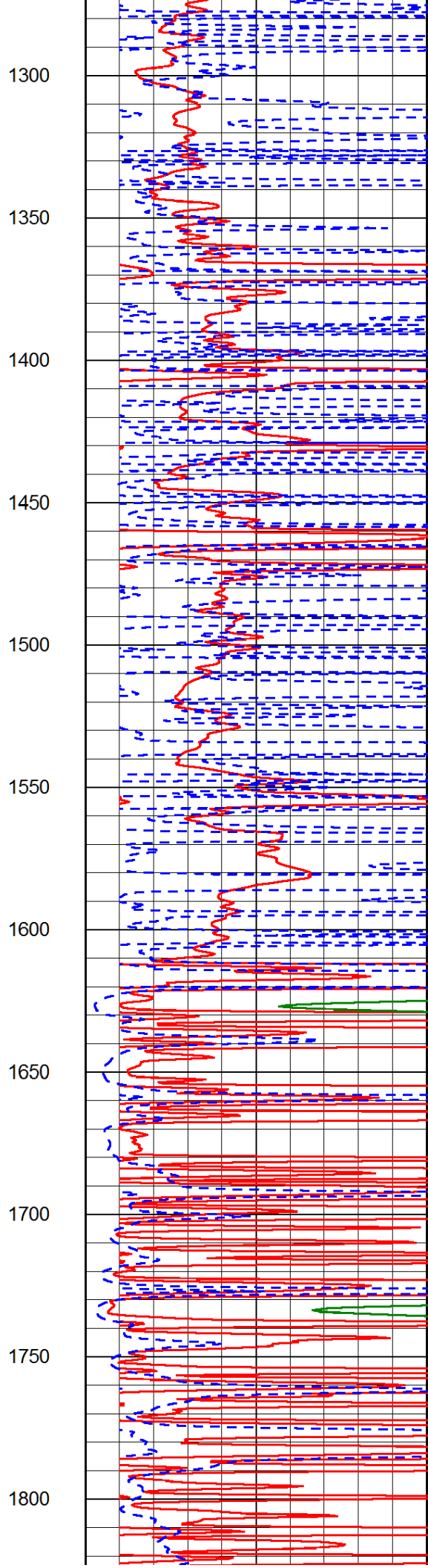
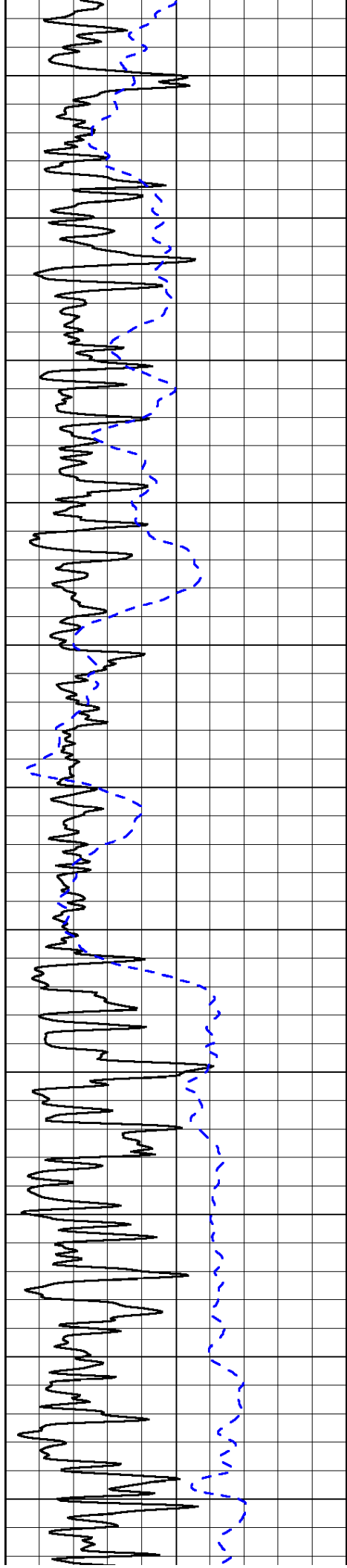
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

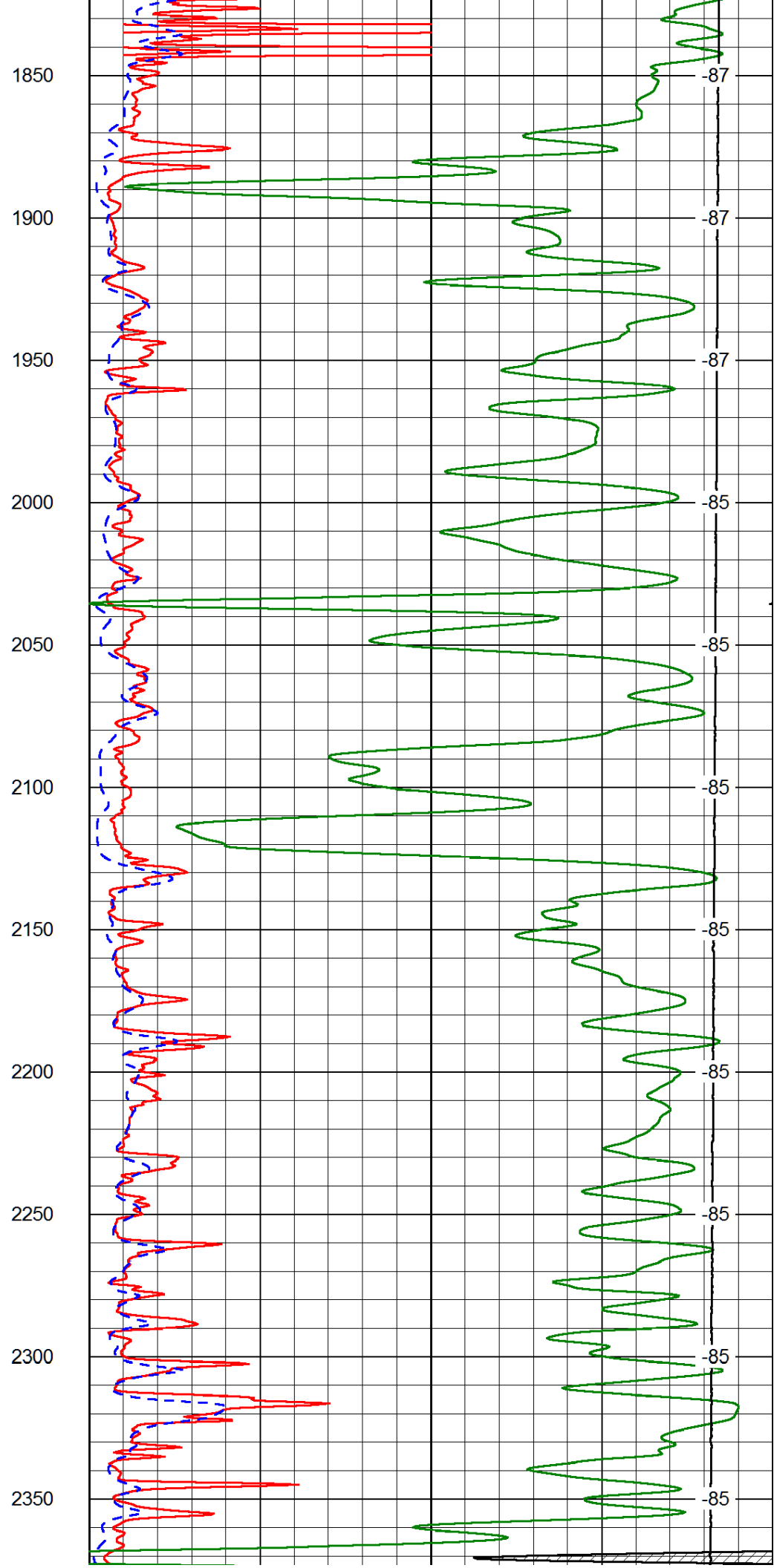
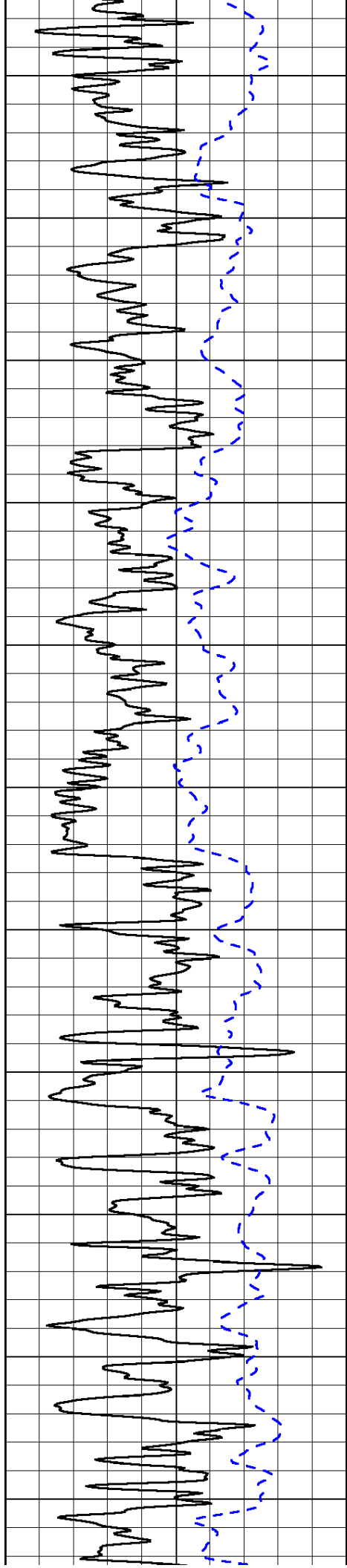
LSPD

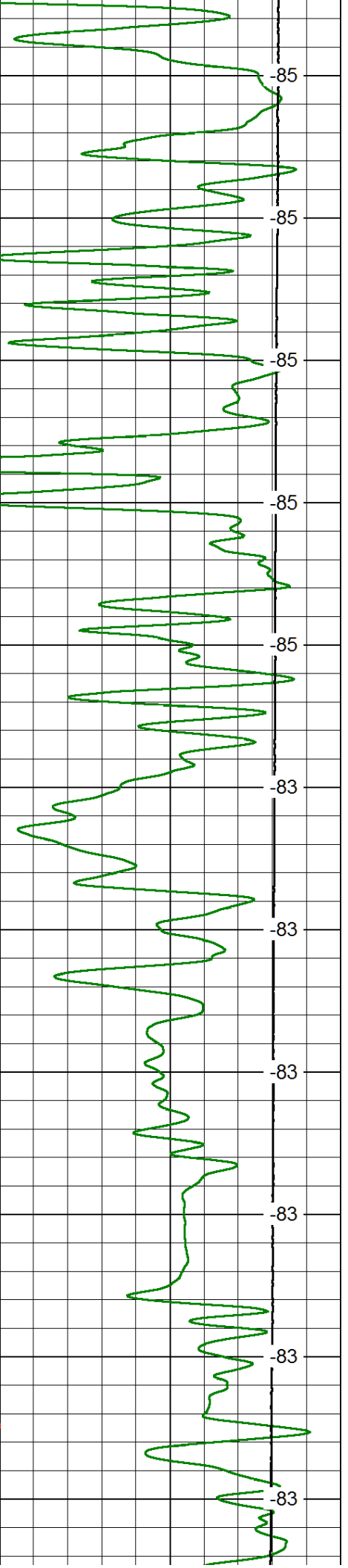
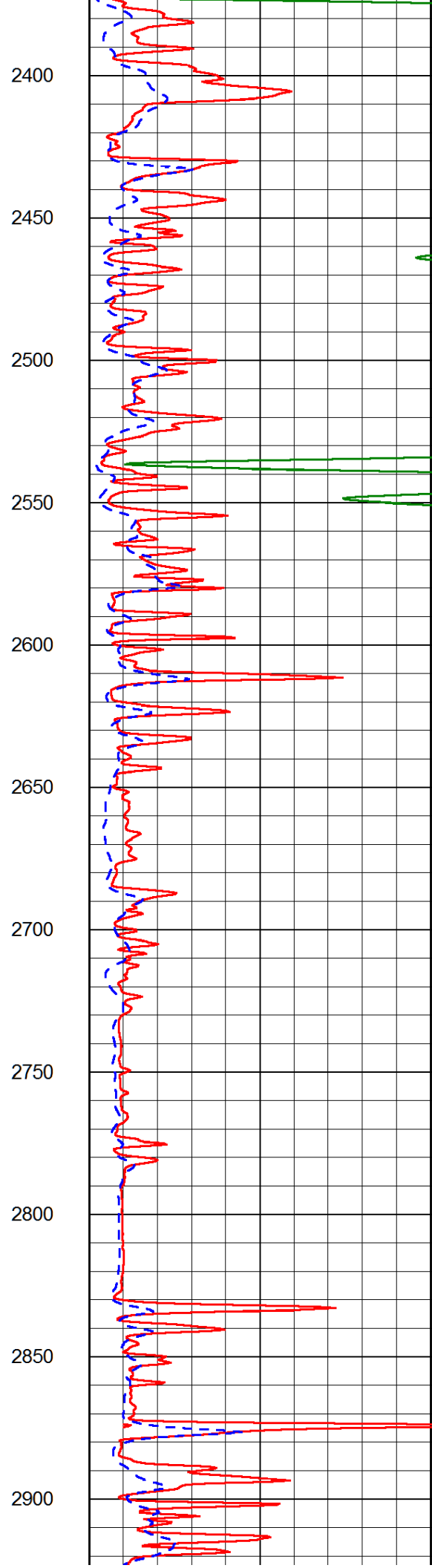
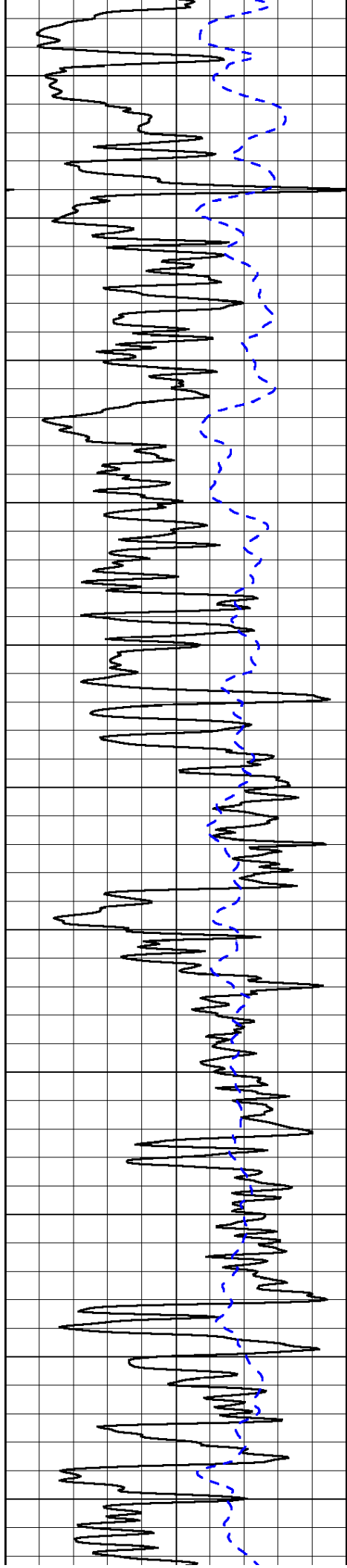
50	Shallow Resistivity	500
50	Deep Resistivity	500

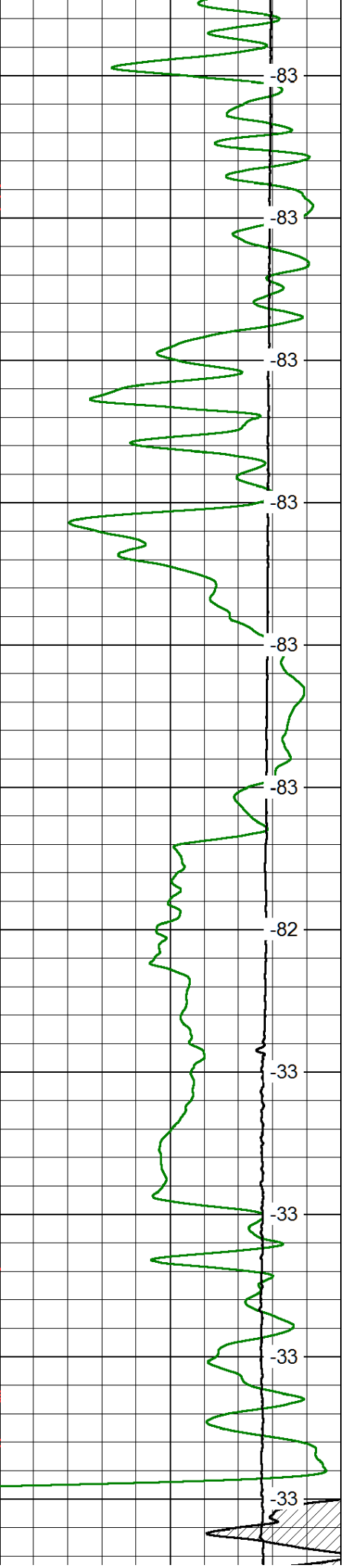
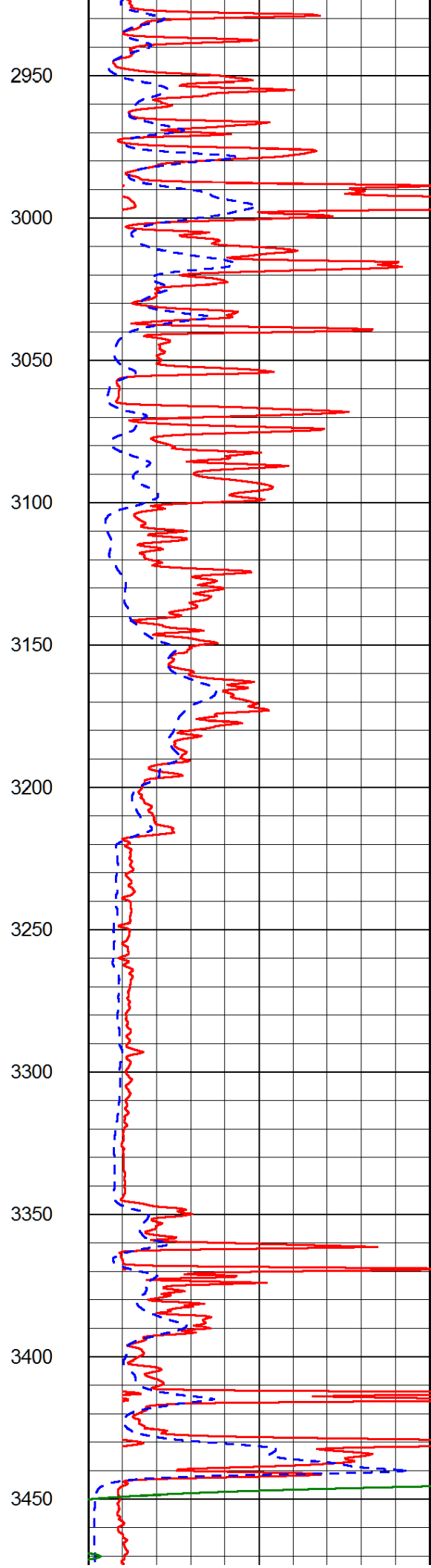
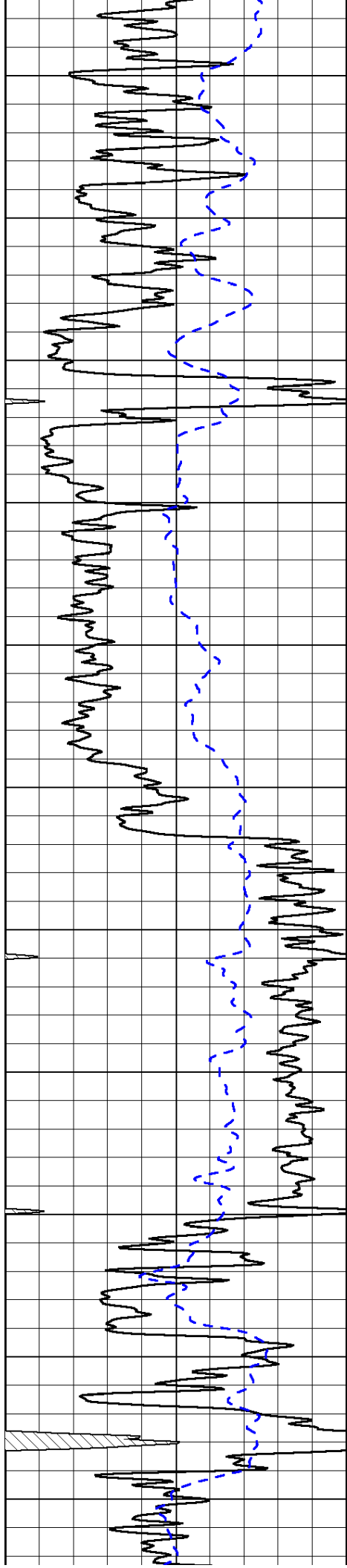


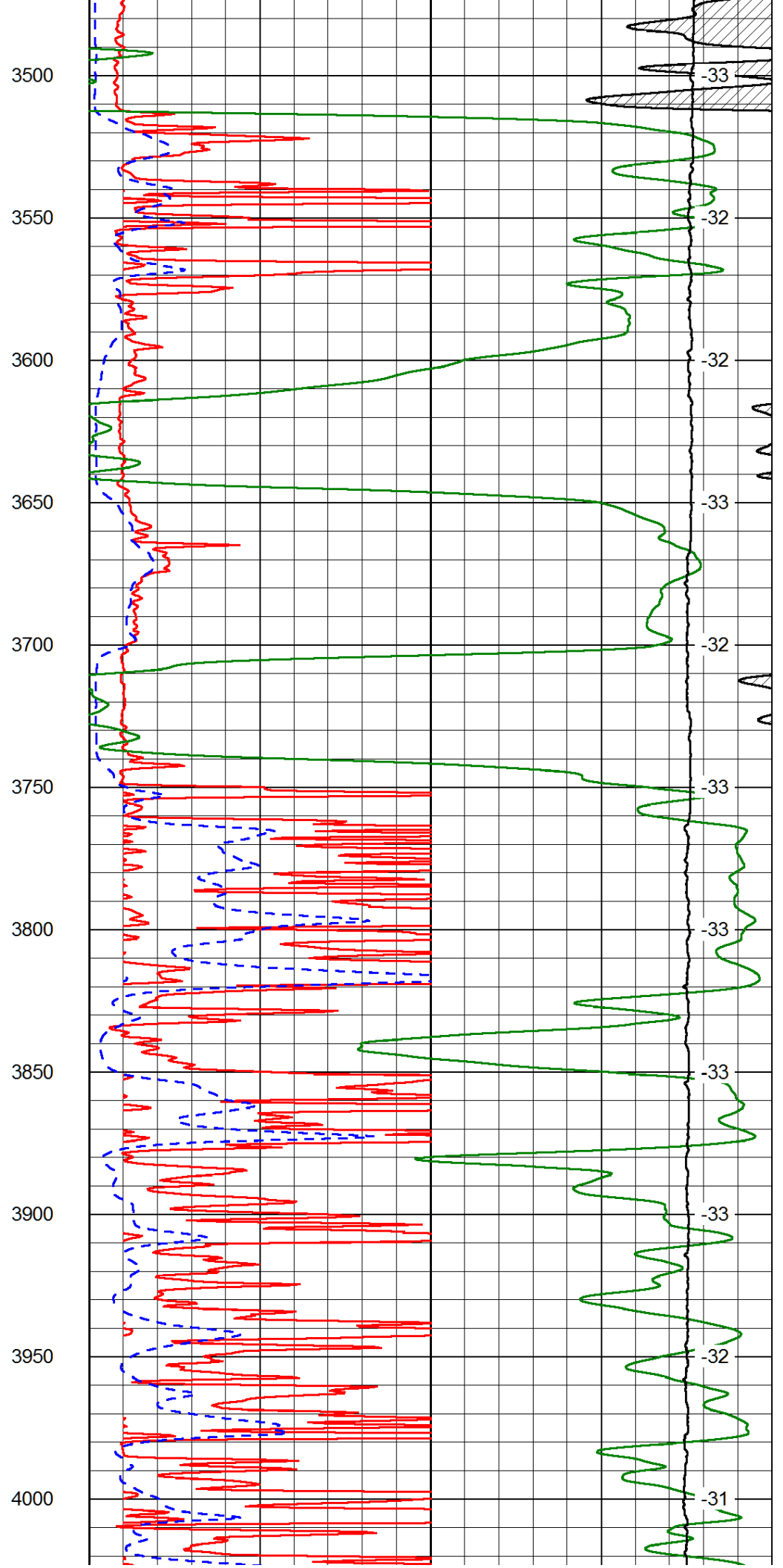
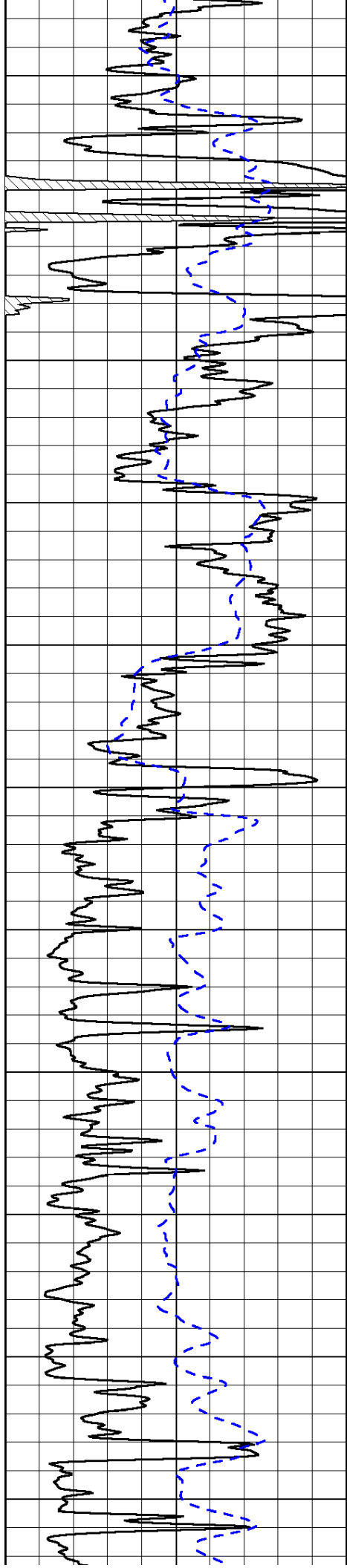


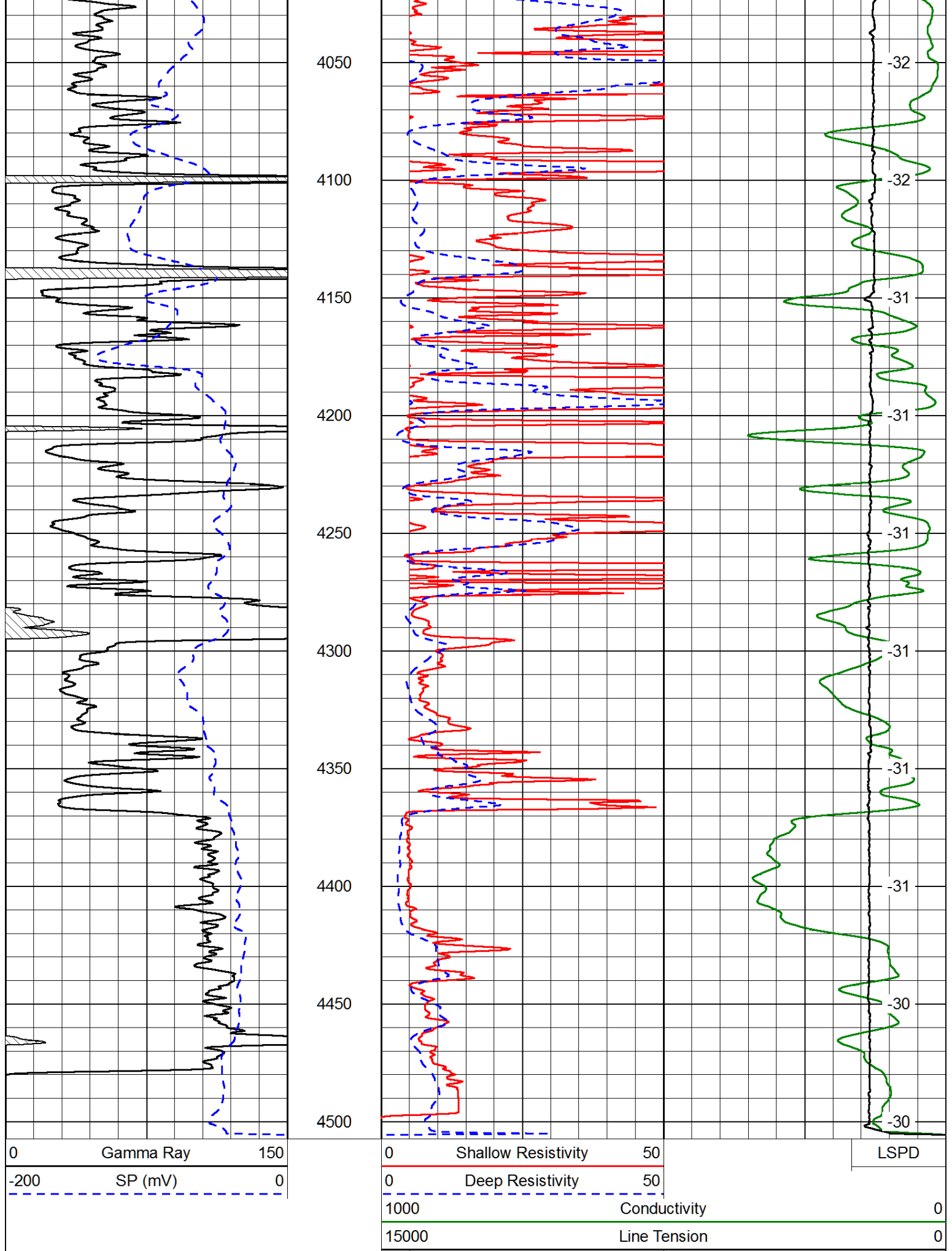












4050
4100
4150
4200
4250
4300
4350
4400
4450
4500

-32
-32
-31
-31
-31
-31
-31
-31
-31
-31
-30
-30
-30

0 Gamma Ray 150
-200 SP (mV) 0

0 Shallow Resistivity 50
0 Deep Resistivity 50

LSPD

1000 Conductivity 0
15000 Line Tension 0

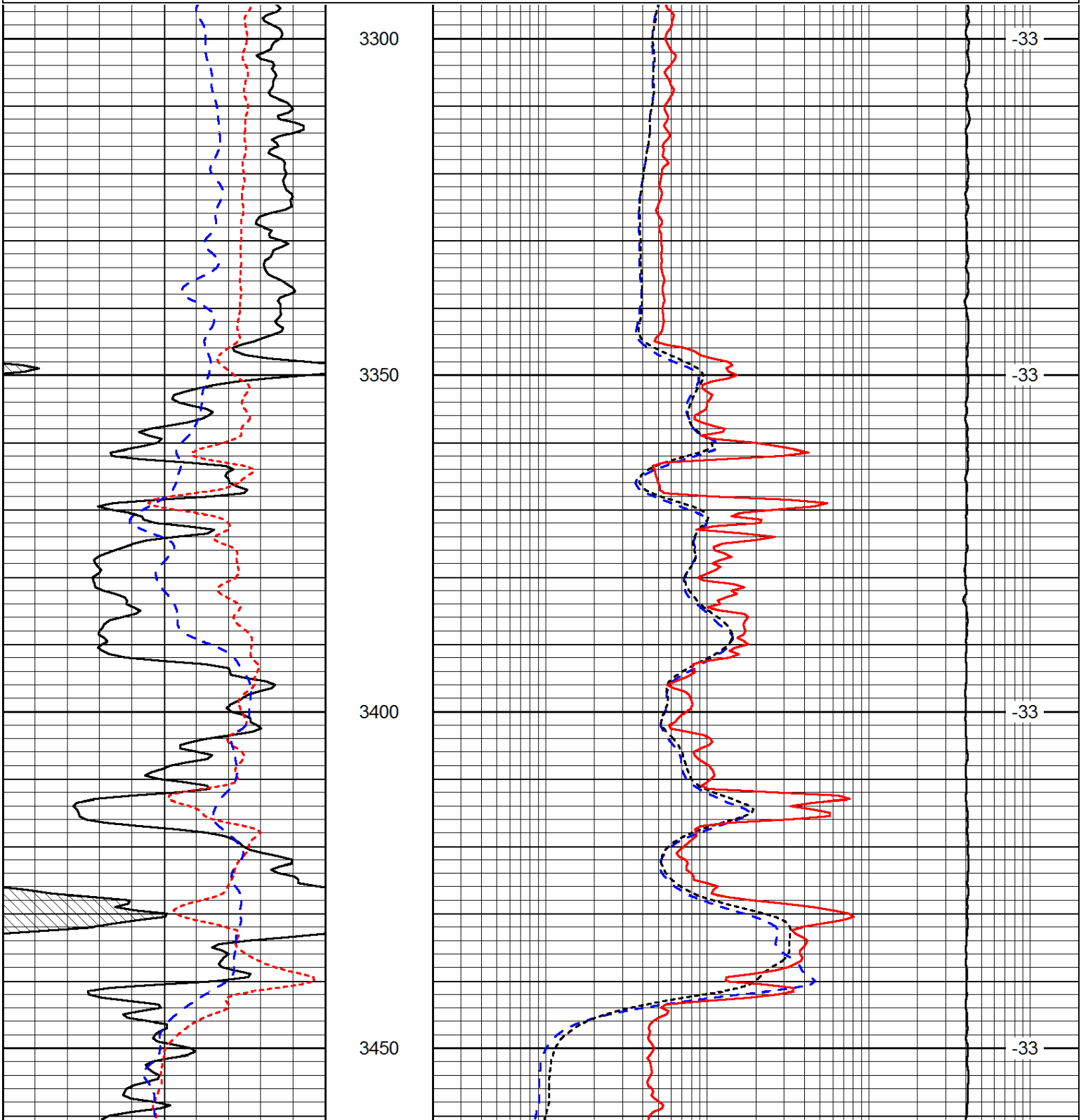
50 Shallow Resistivity 500
50 Deep Resistivity 500

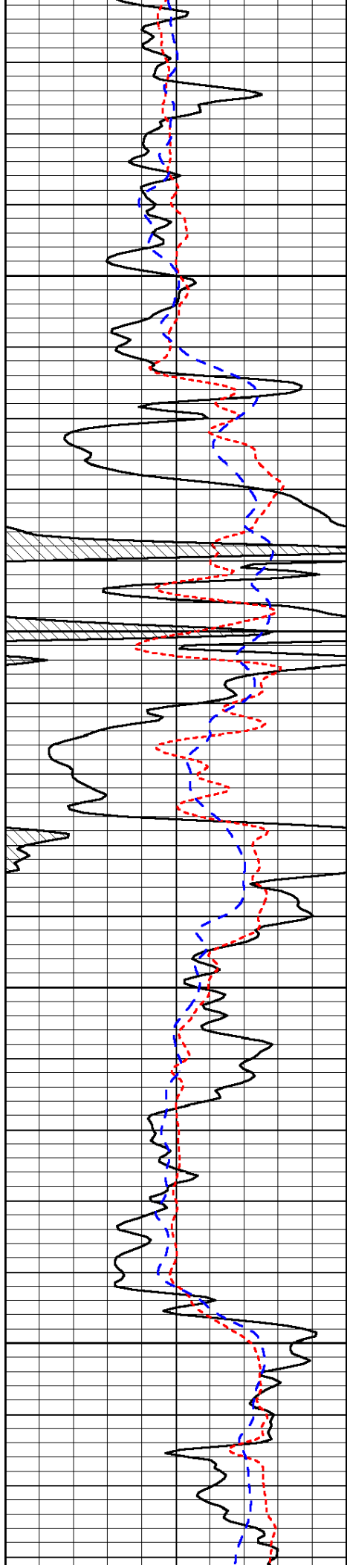
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 Dataset Pathname: dil/pramain
 Presentation Format: dil
 Dataset Creation: Sat Jun 21 10:56:47 2014
 Charted by: Depth in Feet scaled 1:240

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

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

LSPD



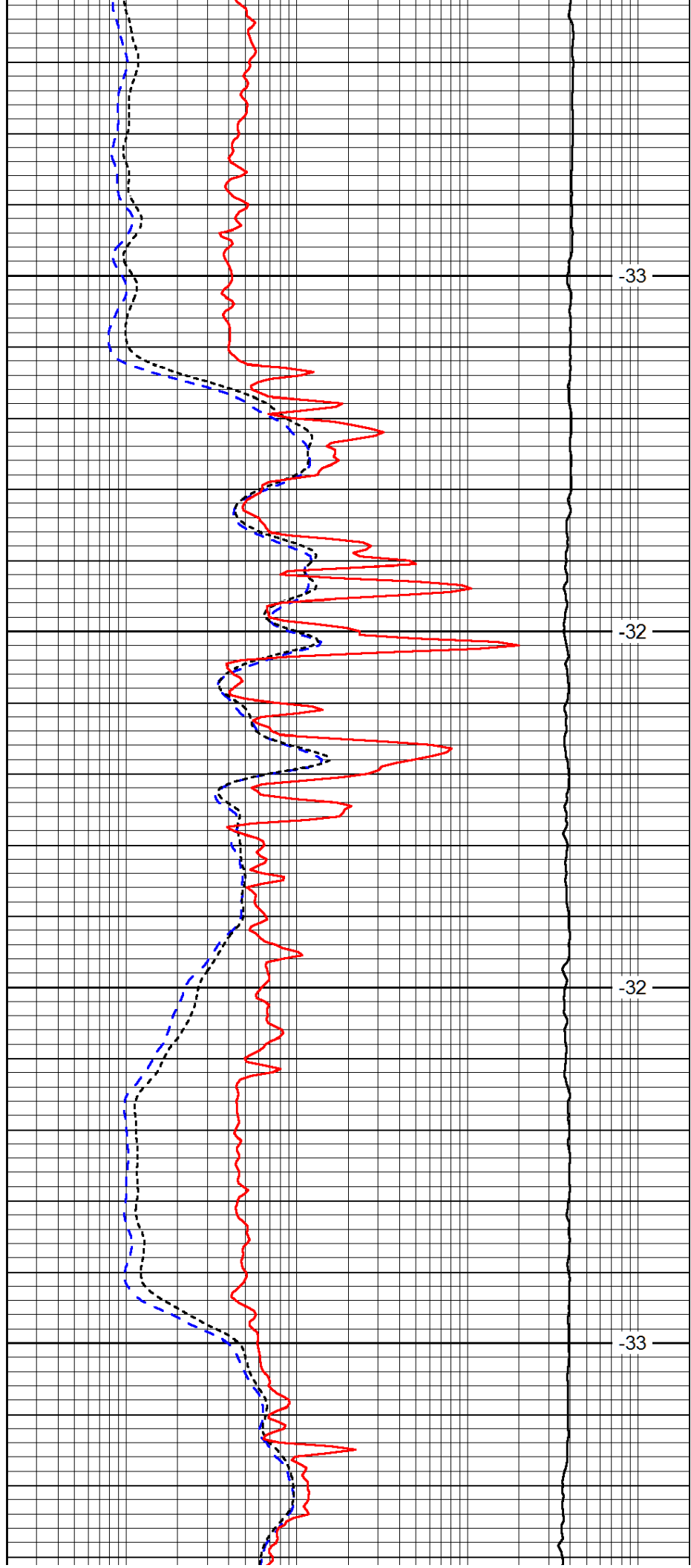


3500

3550

3600

3650

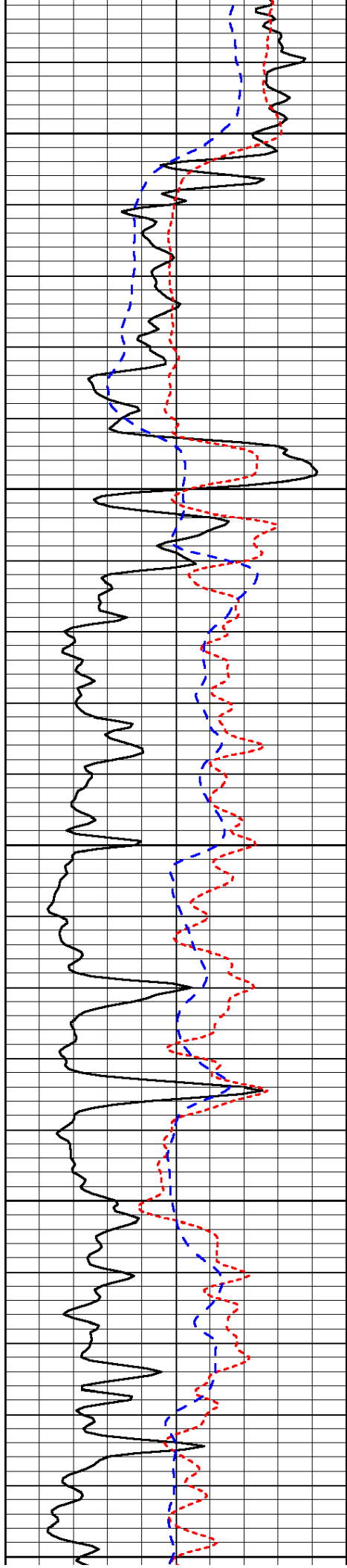


-33

-32

-32

-33



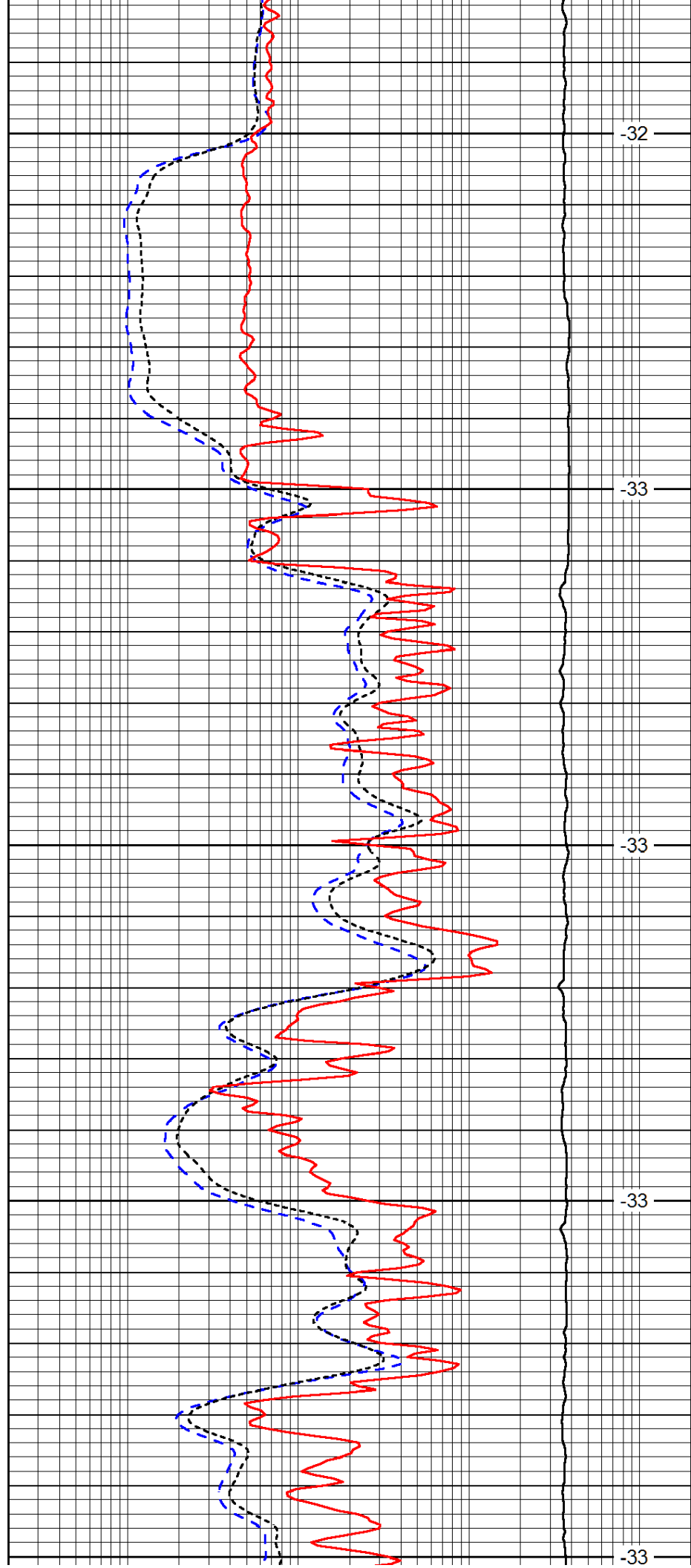
3700

3750

3800

3850

3900



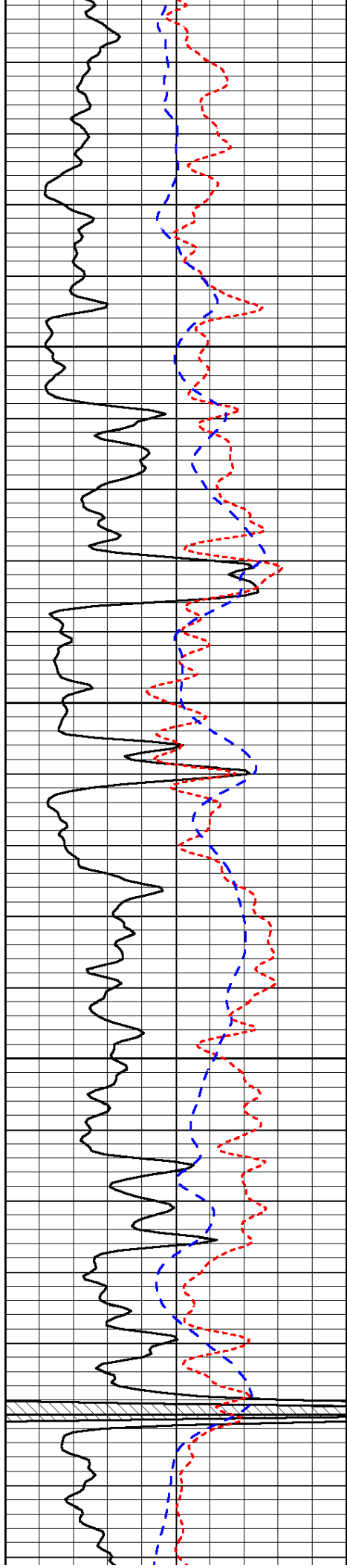
-32

-33

-33

-33

-33

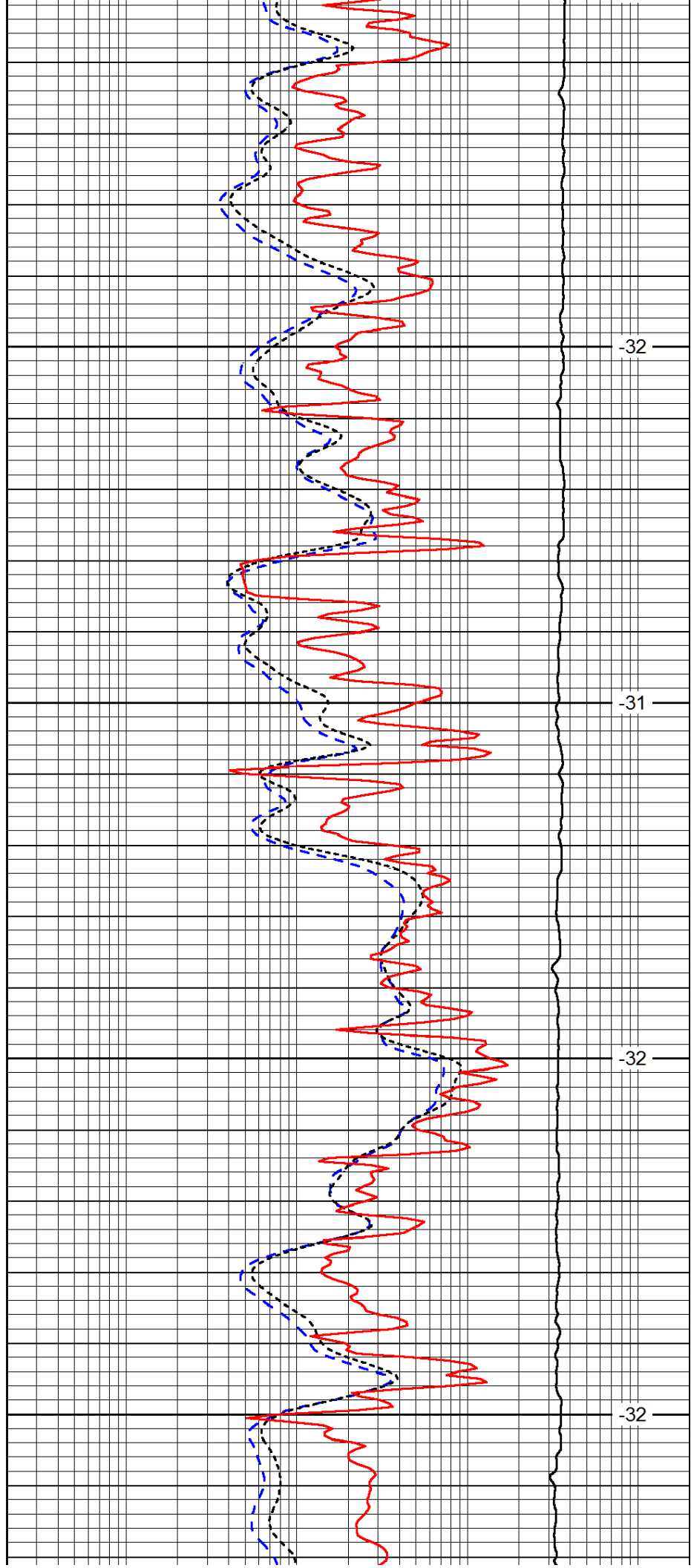


3950

4000

4050

4100

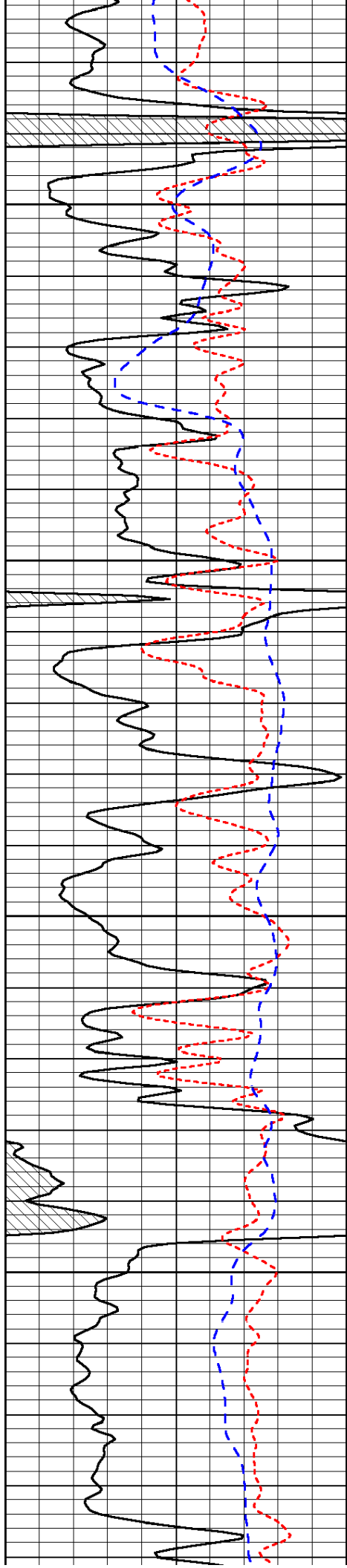


-32

-31

-32

-32

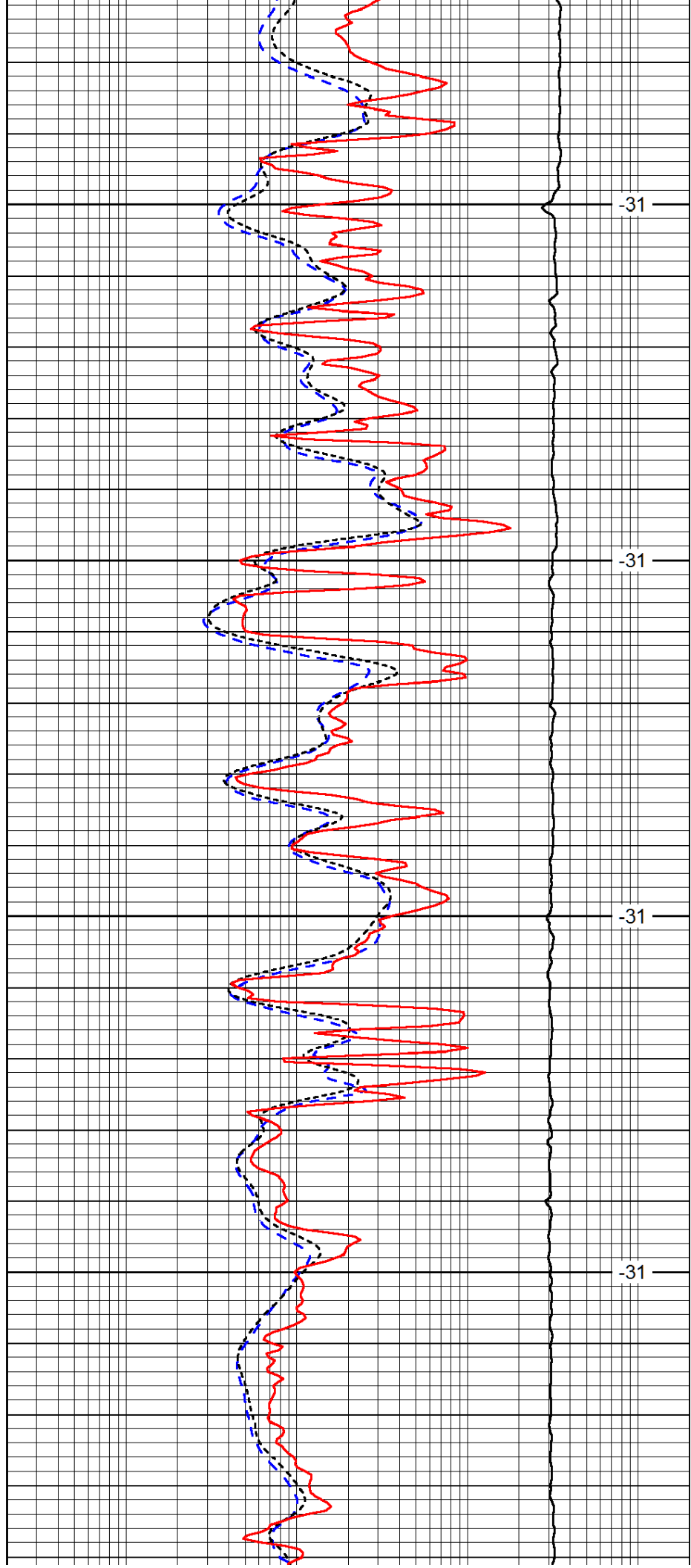


4150

4200

4250

4300

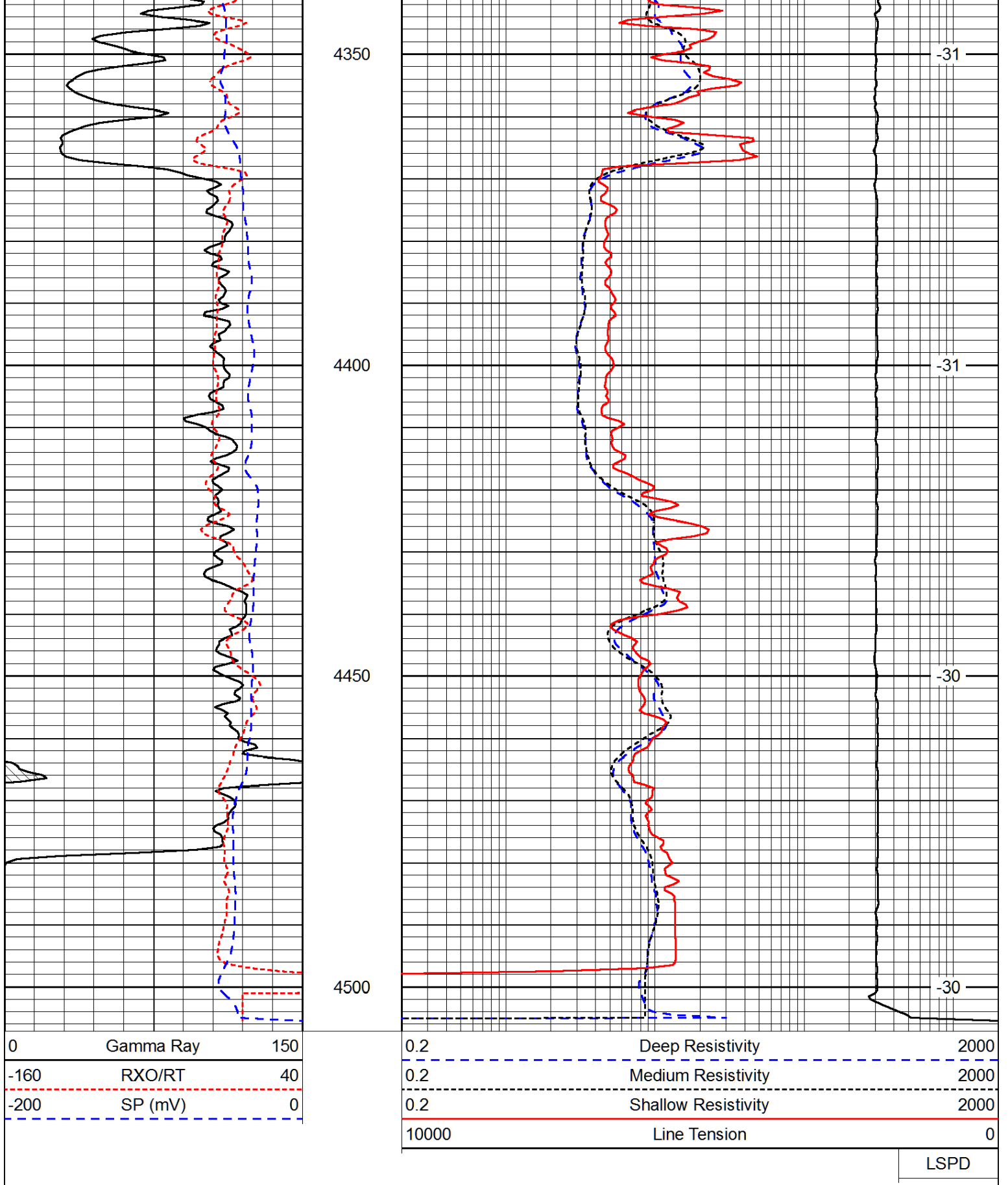


-31

-31

-31

-31



LSPD