CORRECTION #2

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1089070

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Karen Sharp
Phone: (405) 429-5745
CONTRACTOR: License # 34445
Name: Keen Energy Services LLC
Wellsite Geologist: Kathy Gentry
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [x] 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
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [ ] SWD Permit #:
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

09/03/2010	09/18/2010	09/18/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23587-01-00
Spot Description:
S2 - S2 - SW - SW Sec. 1 Twp. 35 S. R. 11 [ ] East [x] West
165 Feet from [ ] North / [x] South Line of Section
660 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Barber
Lease Name: SCHROCK 1 Well #: 1H
Field Name: Kiowa East
Producing Formation: MISSISSIPPI LIME
Elevation: Ground: 1353 Kelly Bushing: 1374
Total Depth: 9342 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1010 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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

- [x] **Letter of Confidentiality Received**
  Date: 01/10/2011
- [x] **Confidential Release Date:** 01/09/2013
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 08/08/2012

CORRECTION #2
Side Two

[redacted]

1089070

Operator Name: SandRidge Exploration and Production LLC Lease Name: SCHROCK 1 Well #: 1H

Sec. 1 Twp. 35 S. R. 11 ☐ East ☑ West County: Barber

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☐ Yes ☑ No
(If no, Submit Copy)

List All E. Logs Run:

Memory Log/Spectral Density/Dual spaced Neutron GR
Array Induction GR

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	9.625	36	1010	Otex standard	440	
Intermediate	8.75	7	26	5380	Class A	250	
Liner	6.125	4.5	11.6	9342	Class H	460	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
5	8813-15, 8900-02, 8987-89, 9074-76, 9161-63, 9248-50	72 bbl 15% NEFE HCL. flushed w/2000 BFW. Total load 2029 Bbls.	

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☑ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 09/18/2010

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* SI-WAITING ON PIPELINE

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
8813-9250

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	SCHROCK 1 1H
Doc ID	1089070

Tops

Name	Top	Datum
Base Anhydrite	1832	1374
Base Heebner	3720	3692
Tonkawa Zone Marker	3964	3974
Cottage Grove	4298	4306
Oswego Limestone	4676	4678
Cherokee Group	4787	4791
Verdigris Limestone	NDA	NDA
Mississippi Chat	5148	5147
Mississippi Lime	5610	5610

Summary of Changes

Lease Name and Number: SCHROCK 1 1H

API/Permit #: 15-007-23587-01-00

Doc ID: 1089070

Correction Number: 2

Approved By: Deanna Garrison

Field Name	Previous Value	New Value
Approved Date	09/07/2011	08/08/2012
LocationInfoLink	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=1&to	https://solar.kgs.ku.edu/kcc/detail/locationInformation.cfm?section=1&to
Save Link	../../kcc/detail/operatorEditDetail.cfm?docID=1048064	../../kcc/detail/operatorEditDetail.cfm?docID=1089070
Well Type	OIL	GAS

CORRECTION #1

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1062857

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

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June 2009
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Form must be Signed
All blanks must be Filled

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City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Karen Sharp
Phone: (405) 429-5745
CONTRACTOR: License # 34445
Name: Keen Energy Services LLC
Wellsite Geologist: Kathy Gentry
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
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Original Comp. Date: Original Total Depth:

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- [ ] Re-perf.
- [ ] Conv. to ENHR
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- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
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09/03/2010	09/18/2010	09/18/2010
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Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Barber
Lease Name: SCHROCK 1 Well #: 1H
Field Name: Kiowa East
Producing Formation: MISSISSIPPI LIME
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Total Depth: 9342 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1010 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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

- [x] **Letter of Confidentiality Received**
  Date: 01/10/2011
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 09/07/2011

CORRECTION #1
Side Two

1062857

Operator Name: SandRidge Exploration and Production LLC Lease Name: SCHROCK 1 Well #: 1H

Sec. 1 Twp. 35 S. R. 11 ☐ East ☑ West County: Barber

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No
Electric Log Run ☑ Yes ☐ No
Electric Log Submitted Electronically ☐ Yes ☑ No
(If no, Submit Copy)

List All E. Logs Run:

Memory Log/Spectral Density/Dual spaced Neutron GR
Array Induction GR

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
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ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
5	8813-15, 8900-02, 8987-89, 9074-76, 9161-63, 9248-50	72 bbl 15% NEFE HCL. flushed w/2000 BFW. Total load 2029 Bbls.	

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(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
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Doc ID	1062857

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Cottage Grove	4298	4306
Oswego Limestone	4676	4678
Cherokee Group	4787	4791
Verdigris Limestone	NDA	NDA
Mississippi Chat	5148	5147
Mississippi Lime	5610	5610

Sandridge Energy, INC.
Schrock 1-1H - 07-02-10

Barber County (KS27S)
Sec 1-T35S-R11W
Your Ref:

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Vertical Depth (ft)	Vertical Dogleg Depth Rate (°/100ft)	Local Coordinates Northings (ft)	Local Coordinates Eastings (ft)
UTM Coordinates Northings (ft)		UTM Coordinates Eastings (ft)				
0.00	0.000	0.000	0.00	0.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
100.00	0.000	0.000	100.00	100.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
200.00	0.000	0.000	200.00	200.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
300.00	0.000	0.000	300.00	300.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
400.00	0.000	0.000	400.00	400.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
500.00	0.000	0.000	500.00	500.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
600.00	0.000	0.000	600.00	600.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
700.00	0.000	0.000	700.00	700.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
800.00	0.000	0.000	800.00	800.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
900.00	0.000	0.000	900.00	900.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1000.00	0.000	0.000	1000.00	1000.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1100.00	0.000	0.000	1100.00	1100.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1200.00	0.000	0.000	1200.00	1200.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1300.00	0.000	0.000	1300.00	1300.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1400.00	0.000	0.000	1400.00	1400.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1500.00	0.000	0.000	1500.00	1500.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1600.00	0.000	0.000	1600.00	1600.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1700.00	0.000	0.000	1700.00	1700.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1800.00	0.000	0.000	1800.00	1800.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
1900.00	0.000	0.000	1900.00	1900.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
2000.00	0.000	0.000	2000.00	2000.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
2100.00	0.000	0.000	2100.00	2100.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
2200.00	0.000	0.000	2200.00	2200.00	0.00 N	0.00 E
129212.000 N		2007740.000 E	0.00	0.00		
2300.00	0.000	0.000	2300.00	2300.00	0.00 N	0.00 E

129212.000 N	2007740.000 E	0.00	0.00			
2400.00	0.000	0.000	2400.00	2400.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
2500.00	0.000	0.000	2500.00	2500.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
2600.00	0.000	0.000	2600.00	2600.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
2700.00	0.000	0.000	2700.00	2700.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
2800.00	0.000	0.000	2800.00	2800.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
2900.00	0.000	0.000	2900.00	2900.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3000.00	0.000	0.000	3000.00	3000.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3100.00	0.000	0.000	3100.00	3100.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3200.00	0.000	0.000	3200.00	3200.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3300.00	0.000	0.000	3300.00	3300.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3400.00	0.000	0.000	3400.00	3400.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3500.00	0.000	0.000	3500.00	3500.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3600.00	0.000	0.000	3600.00	3600.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3700.00	0.000	0.000	3700.00	3700.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3800.00	0.000	0.000	3800.00	3800.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
3900.00	0.000	0.000	3900.00	3900.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
4000.00	0.000	0.000	4000.00	4000.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
4100.00	0.000	0.000	4100.00	4100.00	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
4187.06	0.000	0.000	4187.06	4187.06	0.00 N	0.00 E
129212.000 N	2007740.000 E	0.00	0.00			
4200.00	1.294	0.266	4200.00	4200.00	0.15 N	0.00 E
129212.146 N	2007740.001 E	0.15	10.00			
4250.00	6.294	0.266	4249.87	4249.87	3.45 N	0.02 E
129215.453 N	2007740.015 E	3.45	10.00			
4300.00	11.294	0.266	4299.27	4299.27	11.09 N	0.05 E
129223.095 N	2007740.048 E	11.09	10.00			
4350.00	16.294	0.266	4347.81	4347.81	23.01 N	0.11 E
129235.012 N	2007740.100 E	23.01	10.00			
4400.00	21.294	0.266	4395.13	4395.13	39.12 N	0.18 E
129251.115 N	2007740.170 E	39.12	10.00			
4450.00	26.294	0.266	4440.87	4440.87	59.28 N	0.27 E
129271.281 N	2007740.258 E	59.28	10.00			
4500.00	31.294	0.266	4484.67	4484.67	83.36 N	0.39 E
129295.356 N	2007740.363 E	83.36	10.00			
4550.00	36.294	0.266	4526.21	4526.21	111.16 N	0.52 E
129323.157 N	2007740.484 E	111.16	10.00			
4600.00	41.294	0.266	4565.17	4565.17	142.47 N	0.66 E
129354.473 N	2007740.620 E	142.47	10.00			
4650.00	46.294	0.266	4601.25	4601.25	177.06 N	0.82 E
129389.065 N	2007740.771 E	177.07	10.00			
4700.00	51.294	0.266	4634.18	4634.18	214.67 N	1.00 E
129426.670 N	2007740.935 E	214.67	10.00			
4750.00	56.294	0.266	4663.70	4663.70	255.00 N	1.18 E
129467.001 N	2007741.110 E	255.00	10.00			

4800.00	61.294	0.266	4689.60	4689.60	297.75 N	1.38 E
129509.753 N	2007741.296 E		297.76	10.00		
4850.00	66.294	0.266	4711.67	4711.67	342.60 N	1.59 E
129554.599 N	2007741.492 E		342.60	10.00		
4900.00	71.294	0.266	4729.75	4729.75	389.20 N	1.81 E
129601.198 N	2007741.695 E		389.20	10.00		
4950.00	76.294	0.266	4743.70	4743.70	437.19 N	2.03 E
129649.195 N	2007741.904 E		437.20	10.00		
5000.00	81.294	0.266	4753.42	4753.42	486.23 N	2.26 E
129698.226 N	2007742.117 E		486.23	10.00		
5050.00	86.294	0.266	4758.82	4758.82	535.92 N	2.49 E
129747.916 N	2007742.333 E		535.92	10.00		
5097.86	91.080	0.266	4759.92	4759.92	583.75 N	2.71 E
129795.752 N	2007742.542 E		583.76	10.00		
5100.00	91.080	0.266	4759.88	4759.88	585.89 N	2.72 E
129797.889 N	2007742.551 E		585.89	0.00		
5200.00	91.080	0.266	4757.99	4757.99	685.87 N	3.18 E
129897.870 N	2007742.986 E		685.88	0.00		
5300.00	91.080	0.266	4756.11	4756.11	785.85 N	3.65 E
129997.852 N	2007743.422 E		785.86	0.00		
5400.00	91.080	0.266	4754.22	4754.22	885.83 N	4.11 E
130097.833 N	2007743.857 E		885.84	0.00		
5500.00	91.080	0.266	4752.34	4752.34	985.81 N	4.57 E
130197.814 N	2007744.292 E		985.82	0.00		
5600.00	91.080	0.266	4750.45	4750.45	1085.79 N	5.04 E
130297.795 N	2007744.728 E		1085.81	0.00		
5700.00	91.080	0.266	4748.57	4748.57	1185.78 N	5.50 E
130397.777 N	2007745.163 E		1185.79	0.00		
5800.00	91.080	0.266	4746.68	4746.68	1285.76 N	5.96 E
130497.758 N	2007745.598 E		1285.77	0.00		
5900.00	91.080	0.266	4744.80	4744.80	1385.74 N	6.43 E
130597.739 N	2007746.034 E		1385.75	0.00		
6000.00	91.080	0.266	4742.91	4742.91	1485.72 N	6.89 E
130697.721 N	2007746.469 E		1485.73	0.00		
6100.00	91.080	0.266	4741.03	4741.03	1585.70 N	7.36 E
130797.702 N	2007746.904 E		1585.72	0.00		
6200.00	91.080	0.266	4739.14	4739.14	1685.68 N	7.82 E
130897.683 N	2007747.340 E		1685.70	0.00		
6300.00	91.080	0.266	4737.26	4737.26	1785.66 N	8.28 E
130997.665 N	2007747.775 E		1785.68	0.00		
6400.00	91.080	0.266	4735.37	4735.37	1885.64 N	8.75 E
131097.646 N	2007748.210 E		1885.66	0.00		
6500.00	91.080	0.266	4733.49	4733.49	1985.62 N	9.21 E
131197.627 N	2007748.646 E		1985.65	0.00		
6600.00	91.080	0.266	4731.61	4731.61	2085.61 N	9.67 E
131297.608 N	2007749.081 E		2085.63	0.00		
6700.00	91.080	0.266	4729.72	4729.72	2185.59 N	10.14 E
131397.590 N	2007749.516 E		2185.61	0.00		
6800.00	91.080	0.266	4727.84	4727.84	2285.57 N	10.60 E
131497.571 N	2007749.952 E		2285.59	0.00		
6900.00	91.080	0.266	4725.95	4725.95	2385.55 N	11.07 E
131597.552 N	2007750.387 E		2385.57	0.00		
7000.00	91.080	0.266	4724.07	4724.07	2485.53 N	11.53 E
131697.534 N	2007750.822 E		2485.56	0.00		
7100.00	91.080	0.266	4722.18	4722.18	2585.51 N	11.99 E
131797.515 N	2007751.258 E		2585.54	0.00		
7200.00	91.080	0.266	4720.30	4720.30	2685.49 N	12.46 E
131897.496 N	2007751.693 E		2685.52	0.00		
7300.00	91.080	0.266	4718.41	4718.41	2785.47 N	12.92 E
131997.477 N	2007752.128 E		2785.50	0.00		
7400.00	91.080	0.266	4716.53	4716.53	2885.45 N	13.38 E
132097.459 N	2007752.564 E		2885.49	0.00		
7500.00	91.080	0.266	4714.64	4714.64	2985.44 N	13.85 E

132197.440 N	2007752.999 E	2985.47	0.00			
7600.00	91.080	0.266	4712.76	4712.76	3085.42 N	14.31 E
132297.421 N	2007753.434 E	3085.45	0.00			
7700.00	91.080	0.266	4710.87	4710.87	3185.40 N	14.78 E
132397.403 N	2007753.870 E	3185.43	0.00			
7800.00	91.080	0.266	4708.99	4708.99	3285.38 N	15.24 E
132497.384 N	2007754.305 E	3285.41	0.00			
7900.00	91.080	0.266	4707.10	4707.10	3385.36 N	15.70 E
132597.365 N	2007754.740 E	3385.40	0.00			
8000.00	91.080	0.266	4705.22	4705.22	3485.34 N	16.17 E
132697.346 N	2007755.176 E	3485.38	0.00			
8100.00	91.080	0.266	4703.33	4703.33	3585.32 N	16.63 E
132797.328 N	2007755.611 E	3585.36	0.00			
8200.00	91.080	0.266	4701.45	4701.45	3685.30 N	17.09 E
132897.309 N	2007756.046 E	3685.34	0.00			
8300.00	91.080	0.266	4699.56	4699.56	3785.29 N	17.56 E
132997.290 N	2007756.482 E	3785.33	0.00			
8400.00	91.080	0.266	4697.68	4697.68	3885.27 N	18.02 E
133097.272 N	2007756.917 E	3885.31	0.00			
8500.00	91.080	0.266	4695.79	4695.79	3985.25 N	18.49 E
133197.253 N	2007757.352 E	3985.29	0.00			
8600.00	91.080	0.266	4693.91	4693.91	4085.23 N	18.95 E
133297.234 N	2007757.788 E	4085.27	0.00			
8700.00	91.080	0.266	4692.02	4692.02	4185.21 N	19.41 E
133397.215 N	2007758.223 E	4185.26	0.00			
8800.00	91.080	0.266	4690.14	4690.14	4285.19 N	19.88 E
133497.197 N	2007758.658 E	4285.24	0.00			
8900.00	91.080	0.266	4688.25	4688.25	4385.17 N	20.34 E
133597.178 N	2007759.094 E	4385.22	0.00			
9000.00	91.080	0.266	4686.37	4686.37	4485.15 N	20.80 E
133697.159 N	2007759.529 E	4485.20	0.00			
9100.00	91.080	0.266	4684.48	4684.48	4585.13 N	21.27 E
133797.141 N	2007759.964 E	4585.18	0.00			
9200.00	91.080	0.266	4682.60	4682.60	4685.12 N	21.73 E
133897.122 N	2007760.400 E	4685.17	0.00			
9300.00	91.080	0.266	4680.71	4680.71	4785.10 N	22.20 E
133997.103 N	2007760.835 E	4785.15	0.00			
9337.90	91.080	0.266	4680.00	4680.00	4822.99 N	22.37 E
134035.000 N	2007761.000 E	4823.05	0.00			

Summary of Changes

Lease Name and Number: SCHROCK 1 1H

API/Permit #: 15-007-23587-01-00

Doc ID: 1062857

Correction Number: 1

Approved By: Deanna Garrison

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Deanna Garrison
Approved Date	02/08/2011	09/07/2011

Summary of Attachments

Lease Name and Number: SCHROCK 1 1H

API: 15-007-23587-01-00

Doc ID: 1062857

Correction Number: 1

Attachment Name

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1048064

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Karen Sharp
Phone: (405) 429-5745
CONTRACTOR: License # 34445
Name: Keen Energy Services LLC
Wellsite Geologist: Kathy Gentry
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
- ☐ Conv. to GSW
- ☐ Plug Back: Plug Back Total Depth
- ☐ Commingled Permit #:
- ☐ Dual Completion Permit #:
- ☐ SWD Permit #:
- ☐ ENHR Permit #:
- ☐ GSW Permit #:

09/03/2010	09/18/2010	09/18/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23587-01-00
Spot Description:
S2 - S2 - SW - SW Sec. 1 Twp. 35 S. R. 11 ☐ East ☐ West
165 Feet from ☐ North / ☐ South Line of Section
660 Feet from ☐ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☐ SW
County: Barber
Lease Name: SCHROCK 1 Well #: 1H
Field Name: Kiowa East
Producing Formation: MISSISSIPPI LIME
Elevation: Ground: 1353 Kelly Bushing: 1374
Total Depth: 9342 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 1010 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

- ☑ **Letter of Confidentiality Received**
  Date: 01/10/2011
- ☐ **Confidential Release Date:**
- ☑ **Wireline Log Received**
- ☐ **Geologist Report Received**
- ☐ **UIC Distribution**

ALT ☐ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 02/08/2011

Side Two

1048064

Operator Name: SandRidge Exploration and Production LLC Lease Name: SCHROCK 1 Well #: 1H

Sec. 1 Twp. 35 S. R. 11 ☐ East ☐ West County: Barber

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No
Electric Log Run ☐ Yes ☐ No
Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Memory Log/Spectral Density/Dual spaced Neutron GR
Array Induction GR

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☐ New ☐ 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
Surface	12.25	9.625	36	1010	Otex standard	440	
Intermediate	8.75	7	26	5380	Class A	250	
Liner	6.125	4.5	11.6	9342	Class H	460	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
5	8813-15, 8900-02, 8987-89, 9074-76, 9161-63, 9248-50	72 bbl 15% NEFE HCL. flushed w/2000 BFW. Total load 2029 Bbls.	

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 09/18/2010

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* SI-WAITING ON PIPELINE

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
8813-9250

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	SCHROCK 1 1H
Doc ID	1048064

Tops

Name	Top	Datum
Base Anhydrite	1832	1374
Base Heebner	3720	3692
Tonkawa Zone Marker	3964	3974
Cottage Grove	4298	4306
Oswego Limestone	4676	4678
Cherokee Group	4787	4791
Verdigris Limestone	NDA	NDA
Mississippi Chat	5148	5147
Mississippi Lime	5610	5610

SandRidge

September 8, 2010

Kansas Corporation Commission
Conservation Division
130 S Market – Room 2078
Wichita KS 67202

Re: SandRidge E&P LLC, License #34192
Schrock 1 #1H
S2 S2 SW4 SW4, Barber County
API 1500723587

Gentlemen:

SandRidge respectfully requests confidential status on all information, samples, or cores filed on the above captioned well as required by the KCC for the maximum allowed period of one year.

We appreciate your consideration.

Sincerely,

Karen Sharp

Karen Sharp
Sr. Regulatory Analyst
(405) 429-5745

KANSAS
CORPORATION COMMISSION

January 10, 2011

Karen Sharp
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-007-23587-01-00
SCHROCK 1 1H
SW/4 Sec.01-35S-11W
Barber 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,
Karen Sharp

SandRidge ENERGY

O-Tex Surface Cement Job Summary & Pump Chart

9-4-2010
9-5/8" Surface Casing

Schrock 1-1H
Keen Rig 26

JOB SUMMARY

Ticket Number	TICKET DATE
WO668	09/04/10

COMPANY	CUSTOMER REP
SANDRIDGE EXP & PROD	PARKER

LEASE NAME	Well No.	JOB TYPE	Employee name
SHROCK 1-1H		SURFACE	BRIAN GREER

EMP NAME

BRIAN GREER		JOHN NALLEY					
ROBERT TAYLOR							
JEREMY VANCE							
CLAY WHATLEY							

Form. Name _____ Type: _____

Packer Type _____ Set At _____

Bottom Hole Temp. _____ Pressure _____

Retainer Depth _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	9/3/2010	9/3/2010	9/4/2010	9/4/2010
Time	6:00PM	9:30PM	7:24AM	8:09AM

Tools and Accessories

Type and Size	Qty	Make
Float Collar		IR
Float Shoe		IR
Centralizers		IR
Top Plug		IR
HEAD		IR
Limit clamp		IR
Weld-A		IR
Guide Shoe		IR
BTM PLUG		IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		36.0	9 5/8	SURFACE	1,020	
Liner						
Liner						
Tubing						
Drill Pipe						
Cased Hole						Shots/Ft.
Hole						
Open Hole						
Perforations						

Materials

Mud Type		Density		Lb/Gal
Disp. Fluid		Density		Lb/Gal
Spacer type		BBL.		
Spacer type		BBL.		
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
9/3	
Total	

Operating Hours

Date	Hours
Total	

Description of Job

SURFACE

Pressures

MAX 1200 AVG. 300

Average Rates in BPM

MAX 6 AVG 5

Cement Left in Pipe

Feet 42 Reason **Shoe Joint**

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	280	65/35 OTEX STANDARD	6% GEL 2% CC 1/4 LB/SK CELLOFLAKE	10.88	1.84	12.70
2	160	STANDARD	2% CC 1/4 LB/SK CELLOFLAKE	5.20	1.18	15.60
3						
4						

Summary

Circulating		Displacement	WATER	Preflush: BBl	10.00	Type:	WATER
Breakdown		MAXIMUM		Load & Bkdn: Gal - BBl		Pad:Bbl -Gal	
		Lost Returns-I		Excess /Return BBl	25.00	Calc.Disp Bbl	74.8
		Actual TOC		Calc. TOC:	SURFACE	Actual Disp.	74.8
Average		Frac. Gradient		Treatment: Gal - BBl		Disp:Bbl	
ISIP	5 Min.		10 Min	15 Min	Cement Slurry BBl	125.3	
					Total Volume BBl		

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB LOG

TICKET # WO668	TICKET DATE 09/04/10		
COMPANY SANDRIDGE EXP & PROD	COUNTRY USA	STATE KANSAS	COUNTY BARBER
LEASE NAME SHROCK 1-1H Well No.	EMPLOYEE NAME BRIAN GREER	CUSTOMER REP / PHONE PARKER	
FIELD	SEC / TWP / RNG 1-35S-11W	TICKET AMOUNT	
API/UWI #	JOB PURPOSE SURFACE	WELL TYPE OIL & GAS	

	Time	Rate (BPM)	Volume (BBL)(GAL)	N2	Press.(PSI) CSG.	Tbg	Job Description / Remarks
9/3/10	9:30PM						ON LOCATION
	6:00AM						SAFTY MEETING
	6:30AM						RIGGED UP
	7:24AM				2000		PRESSURED TESTED
	7:26AM	6.00	10.00		300		STARTED SPACER
	7:30AM	6.00	91.70		300		STARTED LEAD CEMENT
	7:44AM	3.00	33.60		125		STARTED TAIL CEMENT
	7:53AM						SHUT DOWN TO DROP PLUG
	7:54AM	6.00	74.80		200		STARTED DISPLACEMENT
	8:09AM	2.00			1200		LANDED PLUG
							Thank You For Using
							O-Tex Pumping, LLC

SandRidge ENERGY

O-Tex Intermediate Cement Job
Summary & Pump Chart

9-12-2010
7" Intermediate Casing

Schrock 1-1H
Keen Rig 26

Job Data Sheet

O-Tex Pumping, LLC

COMPANY		PROJECT NUMBER	AFE/WORK ORDER	DATE
Sandridge Exp and Prod		SOK0232	DC101337	9/11/2010
CONTRACTOR	Owner		LEGAL DESCRIPTION	API
Keen 26		Same	1-35S-11W	0
LEASE & WELL #		COUNTY	STATE	MILEAGE
Shrock 1-1H		Barber	Kansas	60

DIRECTIONS

JCT HWY 11 & 8 North going toward Kiowa KS - 7 Miles North - .6 Miles East - 1.5 Miles North East into

Pumping Services

☐ Surface ☑ Intermediate ☐ Long String ☐ Plug Back
☐ Squeeze ☐ Acid ☐ PTA ☐ Other ( ) H2S

Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug, Cont.	Swage	Top Plug	Bottom Plug	% Excess
7	26.00	BUTT & 8RD			YES	YES	YES		30%

Number and Type Units	Casing Depth	Hole Depth	Hole Size
PT AND BM	5260	5260	8 3/4
Remarks	Tubing Depth	Depth-TVD	Mud Weight/Type
TOC +/- 3600 FT			9.0 PPG WBM

Materials

	# of Sacks	Type		Additives
	250	50/50 POZ PREMIUM		6% TOTAL GEL, 6/10% C-12, 1/10% C-37, 2 LB/SK PHENOSEAL, 1/4 LB/SK CELLOFLAKE
H2O to mix	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
40	13.60	1.48	6.73	
	# of Sacks	Type		Additives
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	# of Sacks	Type		Additives
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk	
	ACID	Type		Additives
	Inhibitor	Surfactant	clay cont	
Spacer or Flush	Quantity 10 BBLS	Type FRESH WATER		Additives
Spacer or Flush	Quantity 10 BBLS	Type CAUSTIC WATER		Additives
Other	Quantity 10 BBLS	Type FRESH WATER		Additives

Special request

Circulating iron delivered by Larry 9-10-10

Sales Items

Casing Size	Casing Weight	Thread	
7	26.00	BUTT & 8RD	
Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
Centralizers - Number	Size	Type	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps	Thread lock	Other	

Remarks: WEATHERFORD HAS FLOAT EQUIPMENT

Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call	
0	0				
Call Taken By				Date Ready	Time Ready
Roger Smith					
Crew Called				Time	

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK0232	09/12/10

COUNTY	State	COMPANY	CUSTOMER REP
Barber	Kansas	Sandridge Exp and Prod	0

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Shrock	1-1H	Intermediate	Larry Kirchner

EMP NAME
Larry Kirchner
Matt Wilson
Cody Hager

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 0 Pressure _____

Retainer Depth _____ Total Depth 5380

	Called Out	On Location	Job Started	Job Completed
Date	9/11/2010	9/11/2010	9/12/2010	9/12/2010
Time	5:00PM	9:00PM	3:30PM	6:00PM

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	26.0	7		Surface	5,380	
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4		Surface	5,380	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	_____	Density _____		Lb/Gal
Disp. Fluid	_____	Density _____		Lb/Gal
Spacer type	_____	BBL. _____		
Spacer type	_____	BBL. _____		
Acid Type	_____	Gal. _____	%	
Acid Type	_____	Gal. _____	%	
Surfactant	_____	Gal. _____	In	
NE Agent	_____	Gal. _____	In	
Fluid Loss	_____	Gal/Lb _____	In	
Gelling Agent	_____	Gal/Lb _____	In	
Fric. Red.	_____	Gal/Lb _____	In	
MISC.	_____	Gal/Lb _____	In	
Perfpac Balls	_____	Qty. _____		
Other				
Other				
Other				
Other				
Other				

Hours On Location

Date	Hours
9/11	3.0
9/12	18.0
Total	21.0

Operating Hours

Date	Hours
9/12	1.0
Total	1.0

Description of Job: Intermediate

Pressures

MAX 5000 AVG. 400

Average Rates in BPM

MAX 10 AVG 5

Cement Left in Pipe

Feet 79' Reason Shoe Joint

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	250	50/50 POZ PREMIUM	6% TOTAL GEL, 6/10% C-12, 1/10% C-37, 2 LB/SK PHENOSEAL, 1/4 LB/SK (	6.73	1.48	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:	_____	Preflush: BBl	30.00	Type:	FRESH WATER
Breakdown	_____	MAXIMUM	_____	Load & Bkdn: Gal - BBl	_____	Pad:Bbl -Gal	_____
	_____	Lost Returns-N	_____	Excess /Return BBl	_____	Calc.Disp Bbl	202
	_____	Actual TOC	_____	Calc. TOC:	3600'	Actual Disp.	204.00
Average	_____	Frac. Gradient	_____	Treatment: Gal - BBl	_____	Disp:Bbl	_____
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry BBl	66.0		
				Total Volume BBl	300.00		

CUSTOMER REPRESENTATIVE _____

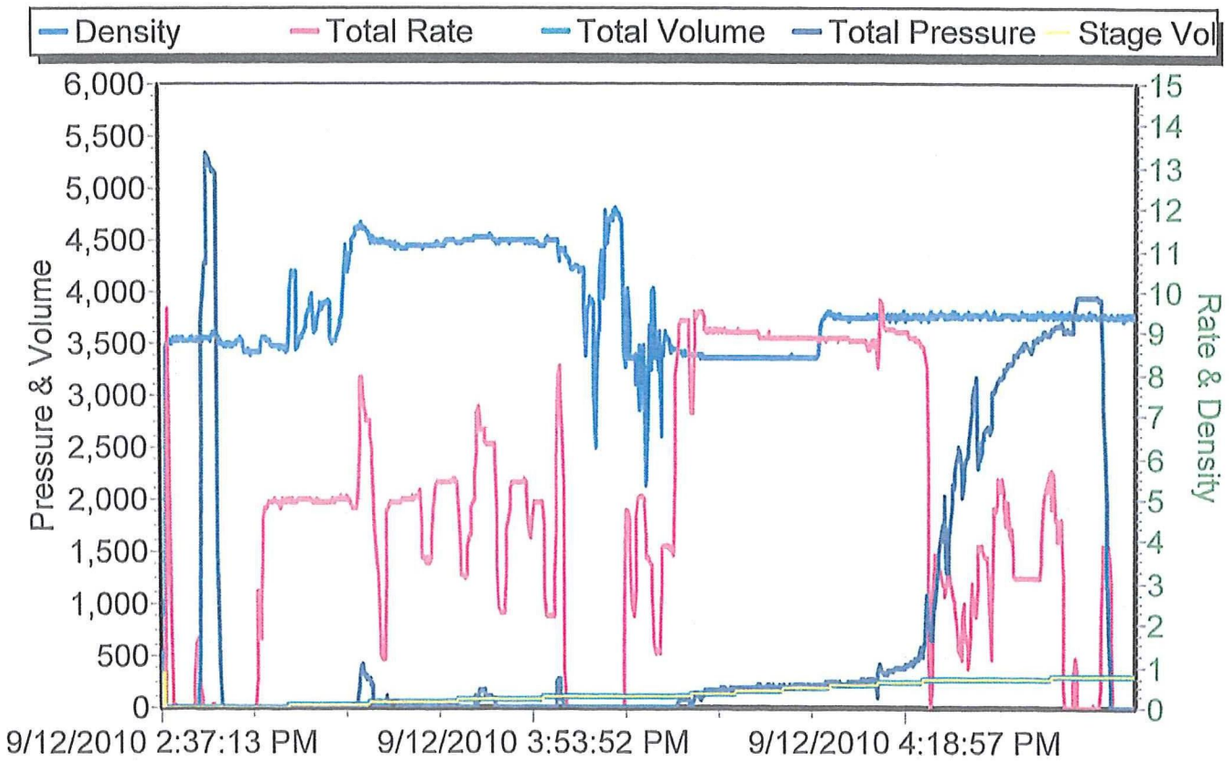
SIGNATURE

JOB LOG

PROJECT NUMBER: SOK0232	TICKET DATE: 09/12/10		
COMPANY: Sandridge Exp and Prod	COUNTRY: USA	STATE: Kansas	COUNTY: Barber
LEASE NAME: Shrock 1-1H Well No.	EMPLOYEE NAME: Larry Kirchner	CUSTOMER REP:	
FIELD:	SEC / TWP / RNG: 1-35S-11W	TICKET AMOUNT: 13,068.72	
API/UWI #:	JOB PURPOSE: Intermediate	WELL TYPE:	

	Time	Rate (BPM)	Volume (BBL)(GAL)		Press.(PSI) CSG.	Tbg	Job Description / Remarks
9/11/2010	5:00PM						Called Out
9/11/2010	9:00PM						Arrived on Location
9/11/2010	9:05PM						Saftey Meeting
9/11/2010	9:15PM						Rig Up
9/12/2010	3:00PM						Saftey Meeting
9/12/2010	3:30PM					5000	Test Lines
9/12/2010	3:35PM	5.0	10.0		400		Pump Fresh Water Spacer
9/12/2010	3:37PM	5.0	10.0		390		Pump Caustic Spacer
9/12/2010	3:39PM	5.0	10.0		390		Pump Fresh Water Spacer
9/12/2010	3:41PM	5.0	66.0		125		Pump Lead Cement
9/12/2010	3:56PM						Shutdown and Drop Plug
9/12/2010	3:59PM						Start Displacement
9/12/2010	4:20PM	9.0	163.0		1000		Well Tried to Bridge Off
9/12/2010	4:27PM	6.0	195.0		4000		Slow to Land Plug
9/12/2010	4:30PM	3.0	204.0		4500		Land Plug
9/12/2010	4:35PM						Check Floats/Floats didn't hold/Put 800 psi on & shut in
9/12/2010	4:40PM						Rig Down
9/12/2010	6:00PM						Leave Location
*							
*							
							Thank You For Using
							O - TEX Pumping

Sandridge Exploration & Production
Shrock 1-1H
7" Intermediate



SandRidge ENERGY

O-Tex Production Liner Cement
Job Summary & Pump Chart

9-20-2010
4-1/2" Production Liner

Schrock 1-1H
Keen Rig 26

Job Data Sheet

O-Tex Pumping, LLC

COMPANY	PROJECT NUMBER	AFE/WORK ORDER	DATE
Sandridge Exp and Prod	SOK0245	DC101337	9/19/2010

CONTRACTOR	Owner	LEGAL DESCRIPTION	API
Keen Rig 26	Same	1-35S-11W	

LEASE & WELL #	COUNTY	STATE	MILEAGE
Schrock 1-1H	Barber	Kansas	60

DIRECTIONS

JCT HWY 11 & 8 North going toward Kiowa KS - 7 Miles North - .6 Miles East - 1.5 Miles North East into

Pumping Services

☐ Surface ☐ Intermediate ☐ Long String ☐ Plug Back
☐ Squeeze ☐ Acid ☐ PTA ☑ Other ( ) H2S

Casing Size	Casing Weight	Thread	Tbng/DP Size	Thread	Plug. Cont.	Swage	Top Plug	Bottom Plug	% Excess
4 1/2	11.60	LTC				Yes			Customer

Number and Type Units	Casing Depth	Hole Depth	Hole Size
Pump Truck & Bulk Materials	9342	9342	

Remarks	Est. BHST	Tubing Depth	Depth-TVD	Mud Weight/Type
Liner Hanger @ 4050' 4.5 Liner TOC +/- 3800'			4808'	

Materials

	# of Sacks	Type	Additives
Lead	460	50/50 Premium Poz	4% Gel - 0.6% C-12 - 0.1% C-37 - 2 lb/sk Phenoseal - 1/4 lb/sk celloflake
118 bbl	Weight PPG: 13.60	Yield Ft3/Sk: 1.44	Water Gal/Sk: 6.77

mix H2O = 74 bbl

	# of Sacks	Type	Additives
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk

	# of Sacks	Type	Additives
	Weight PPG	Yield Ft3/Sk	Water Gal/Sk

	ACID	Type	Additives
	Inhibitor	Surfactant	clay cont.

	Quantity	Type	Additives
Spacer or Flush	10 BBL	WATER	
Spacer or Flush	10 BBL	Caustic Water	
Other	10 BBL	WATER	

Special request

Circulating Iron delivered by Larry Kirchner

Sales Items

Casing Size	Casing Weight	Thread	
Guide Shoe	Float Shoe	Float Collar	Insert Float Valve
Centralizers - Number	Size	Type	
Wall Cleaners - Number	Type	MSC (DV Tool)	MSC Plug Set
Limit Clamps	Thread lock	Other	
Remarks			

Customer Rep.	Cell Phone	Office Phone	Fax	Time of Call
Parker Waldridge	405-686-6616			

Call Taken By	Date Ready	Time Ready
Bob Walden	9/19/10	on location @ 17:00

Crew Called	Time

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK0245	09/20/10

COUNTY	State	COMPANY	CUSTOMER REP
Barber	Kansas	Sandridge Exp and Prod	Parker Waldridge

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Schrock	1-1H	Liner	Larry Kirchner

EMP NAME

Larry Kirchner							
Matt Wilson							
Cody Hager							
Dale Wallace							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 0 Pressure _____

Retainer Depth _____ Total Depth 9342

	Called Out	On Location	Job Started	Job Completed
Date	9/19/2010	9/19/2010	9/19/2010	9/20/2010
Time	12:45PM	6:45PM	11:38PM	2:00AM

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Va	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	11.6	4 1/2		5,278	9,342	
Liner							
Liner							
Tubing			0				
Drill Pipe	Used	13.3	3 1/2"	IF	Surface	4,075	
Open Hole			0		Surface	9,342	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	_____	Density	_____	Lb/Gal
Disp. Fluid	_____	Density	_____	Lb/Gal
Spacer type	_____	BBL.	_____	
Spacer type	_____	BBL.	_____	
Acid Type	_____	Gal.	_____ %	
Acid Type	_____	Gal.	_____ %	
Surfactant	_____	Gal.	_____ In	
NE Agent	_____	Gal.	_____ In	
Fluid Loss	_____	Gal/Lb	_____ In	
Gelling Agent	_____	Gal/Lb	_____ In	
Fric. Red.	_____	Gal/Lb	_____ In	
MISC.	_____	Gal/Lb	_____ In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
9/19	5.2
9/20	2.0
Total	7.2

Operating Hours

Date	Hours
9/19	0.3
9/20	2.0
Total	2.3

Description of Job

Liner

Pressures

MAX 4000 AVG. 300

Average Rates in BPM

MAX 9 AVG 5

Cement Left in Pipe

Feet 75 Reason Shoe Joint

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	460	50/50 Premium Poz	4% Gel - 0.6% C-12 - 0.1% C-37 - 2 lb/sk Phenoseal - 1/4 lb/sk celloflake	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush _____ Type: _____

Breakdown _____ MAXIMUM _____

_____ Lost Returns-N _____

_____ Actual TOC _____

Average _____ Frac. Gradient _____

ISIP _____ 5 Min. _____ 10 Min _____ 15 Min _____

Preflush:	BBl	30.00
Load & Bkdn:	Gal - BBl	
Excess /Return	BBl	
Calc. TOC:		3800'
Treatment:	Gal - BBl	
Cement Slurry	BBl	118.0
Total Volume	BBl	259.00

Type: WATER

Pad:Bbl -Gal

Calc.Disp Bbl 111

Actual Disp. 111.00

Disp:Bbl

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB LOG

PROJECT NUMBER	TICKET DATE
SOK0245	09/20/10

COMPANY	COUNTRY	STATE	COUNTY
Sandridge Exp and Prod	USA	Kansas	Barber

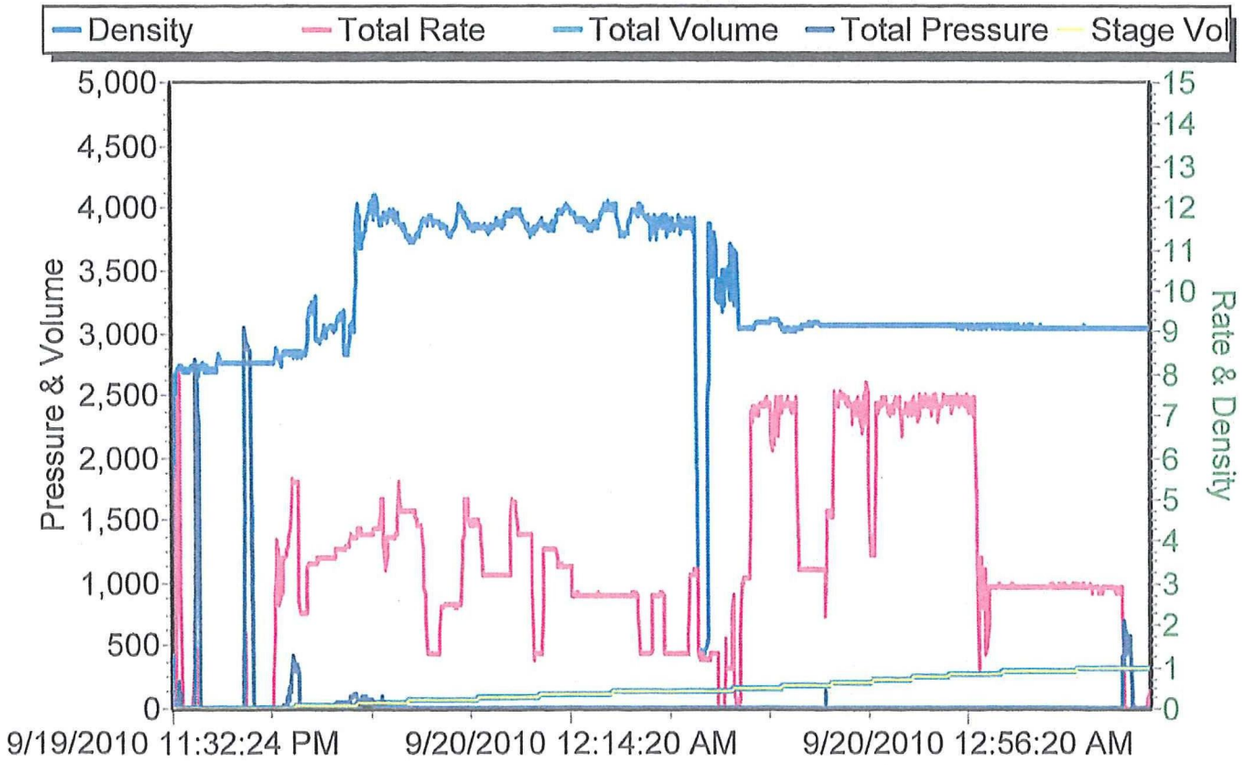
LEASE NAME / Well No.	EMPLOYEE NAME	CUSTOMER REP
Schrock 1-1H	Larry Kirchner	Parker Waldridge

FIELD	SEC / TWP / RNG	TICKET AMOUNT
	1-35S-11W	

API/UWI #	JOB PURPOSE	WELL TYPE
	Liner	

	Time	Rate (BPM)	Volume (BBL)(GAL)		Press.(PSI) CSG.	Tbg	Job Description / Remarks
9/19/2010	12:45PM						Called Out
9/19/2010	6:45PM						Arrived on Location
9/19/2010	6:50PM						Saftey Meeting
9/19/2010	7:00PM						Rig Up
9/19/2010	11:15PM						Saftey Meeting
9/19/2010	11:38PM					3000	Test Lines
9/19/2010	11:45PM	4.0	10.0		550		Pump Fresh Water
9/19/2010	11:47PM	4.0	10.0		550		Pump Caustic Water
9/19/2010	11:49PM	4.0	10.0		550		Pump Fresh Water
9/19/2010	11:51PM	3.0	118.0		300		Pump Lead Cement
9/20/2010	12:29AM						Shutdown/Wash Pumps and Lines/Tool Hand Drop Ball
9/20/2010	12:31AM						Start Displacement
9/20/2010	12:37AM	6.0	20.0		100		Slow to Hit 1st Plug
9/20/2010	12:41AM	3.5	30.0		800		Hit 1st Plug
9/20/2010	1:08AM	7.0	100.0		400		Slow to Hit 2nd Plug
9/20/2010	1:11AM	3.0	111.0		1000		Land Plug
9/20/2010	1:13AM						Check Floats/Floats Held
9/20/2010	1:15AM						Rig Down
9/20/2010	2:00AM						Leave Location
*							
*							
							Thank You For Using
							O - TEX Pumping

Sandridge Exploration and Production
Schrock 1-1H
4 1/2" Liner



ThruBit
LOGGING SOLUTIONS

MEMORY LOG
ARRAY INDUCTION
GAMMA RAY

Company SANDRIDGE ENERGY, INC
Well SCHROCK 1-1H
Field WALDRON WEST
County BARBER
State KANSAS

Company SANDRIDGE ENERGY, INC
Well SCHROCK 1-1H
Field WALDRON WEST
County BARBER State KANSAS
Location: API # : 15-007-23587-01-00
165' FSL & 660' FWL
SEC 1 TWP 35S RGE 11W
Permanent Datum G.L. Elevation 1351'
Log Measured From K.B. 23' ABOVE PERM DATUM
Drilling Measured From K.B.

Other Services
THRUBIT
PORTAL BIT

Elevation
K.B. 1374'
D.F. 1374'
G.L. 1351'

Date	9-19-10		
Run Number	TWO		
Depth Driller	9342		
Depth Logger	9298		
Bottom Logged Interval	9298		
Top Log Interval	4400		
Casing Driller	7.0" @ 5380'		
Casing Logger	5364		
Bit Size	6.125		
Type Fluid in Hole	WBM		
Density / Viscosity	8.4 / 27		
pH / Fluid Loss	N/A		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	4.33 ohms @ 77 degf		
Rmf @ Meas. Temp	3.25ohms @ 77 degf		
Rmc @ Meas. Temp	5.41 ohms @ 77 degf		
Source of Rmf / Rmc	CALCULATED		
Rm @ BHT	2.51 ohms @ 138 degf		
Time Circulation Stopped	00:30 AM 9-19-10		
Time Logger on Bottom	01:30 AM 9-19-10		
Maximum Recorded Temperature	138 DEGF		
Equipment Number	T005		
Location	OKC, OK		
Recorded By	DENGLER		
Witnessed By	P. WALDRIDGE		

<<< Fold Here >>>

Comments

ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
2'RESOLUTION PRESENTED ON INDUCTION LOG
TOOLS RAN SLICK (NO CENTRALIZERS, BOWSPRINGS OR STANDOFFS)
CORRELATED TO THRUBIT LOGGING ARRAY INDUCTION LOG DATE 11 SEPT 2010
TOOL ROLLED COMING OFF BOTTOM CAUSING A PROBLEM WITH DENSITY DATA ON BOTTOM 300'

RIG: KEEN # 26
CREW: J.DENGLER
R. DENTON, T.DENNIS

Service Ticket No. 299 API No. 15-007-23587--01-00 PGM Ver WARRIOR 7.0

The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client

EQUIPMENT DATA

GAMMA RAY	NEUTRON	DENSITY	INDUCTION

Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	ONE
Serial No.	PS5T	Serial No.	PS10N	Serial No.	PS2D	Serial No.	PS8R
Model No.	TMG	Model No.	TBN	Model No.	TBD	Model No.	TBI
Diameter	2.125"	Diameter	2.125"	Diameter	2.125"	Diameter	2.125"

LOGGING DATA

General Data

Pass	Depths		Well Head	Speed	Logging Run Comments
No.	From	To	Pressure	Ft/Min	
ONE	9298	4390	0	30	

Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
ONE	0	150	30%	-10%	30%	-10%	0.2	2000

DIRECTIONAL INFORMATION

Maximum Deviation	93.0	deg. @	6682	KOP	4148	

ThruBit LOGGING SOLUTIONS

MAIN PASS

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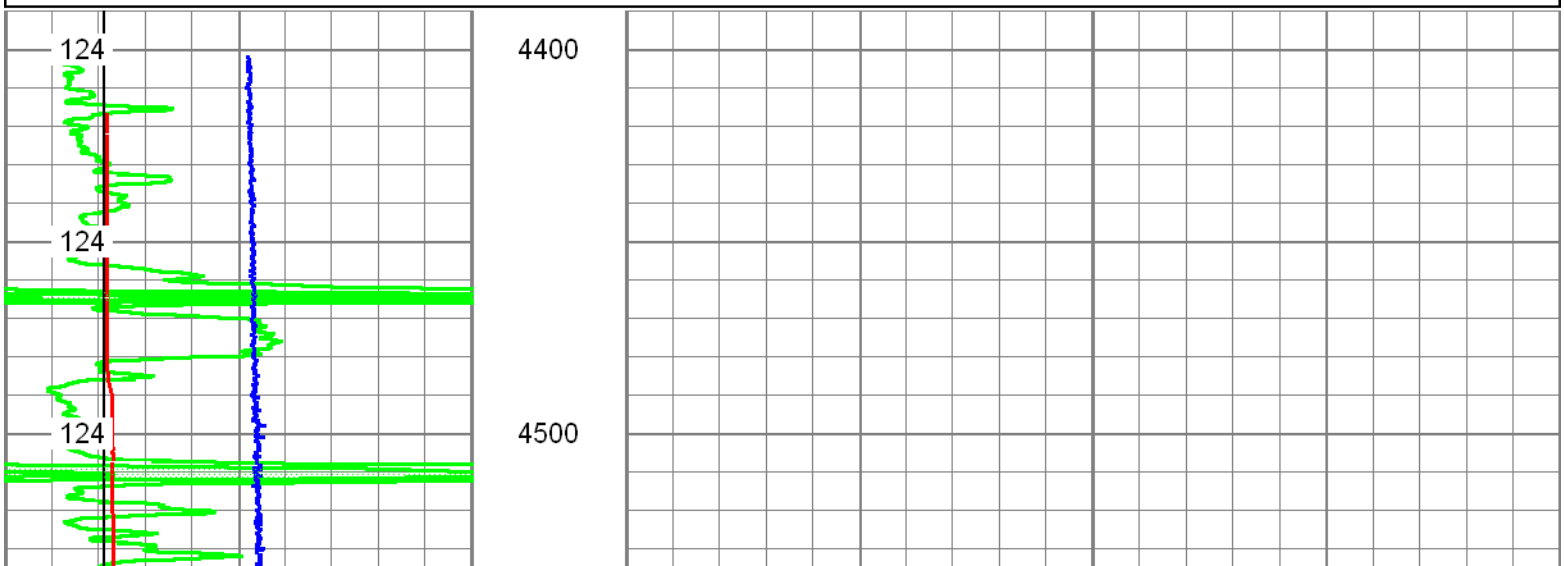
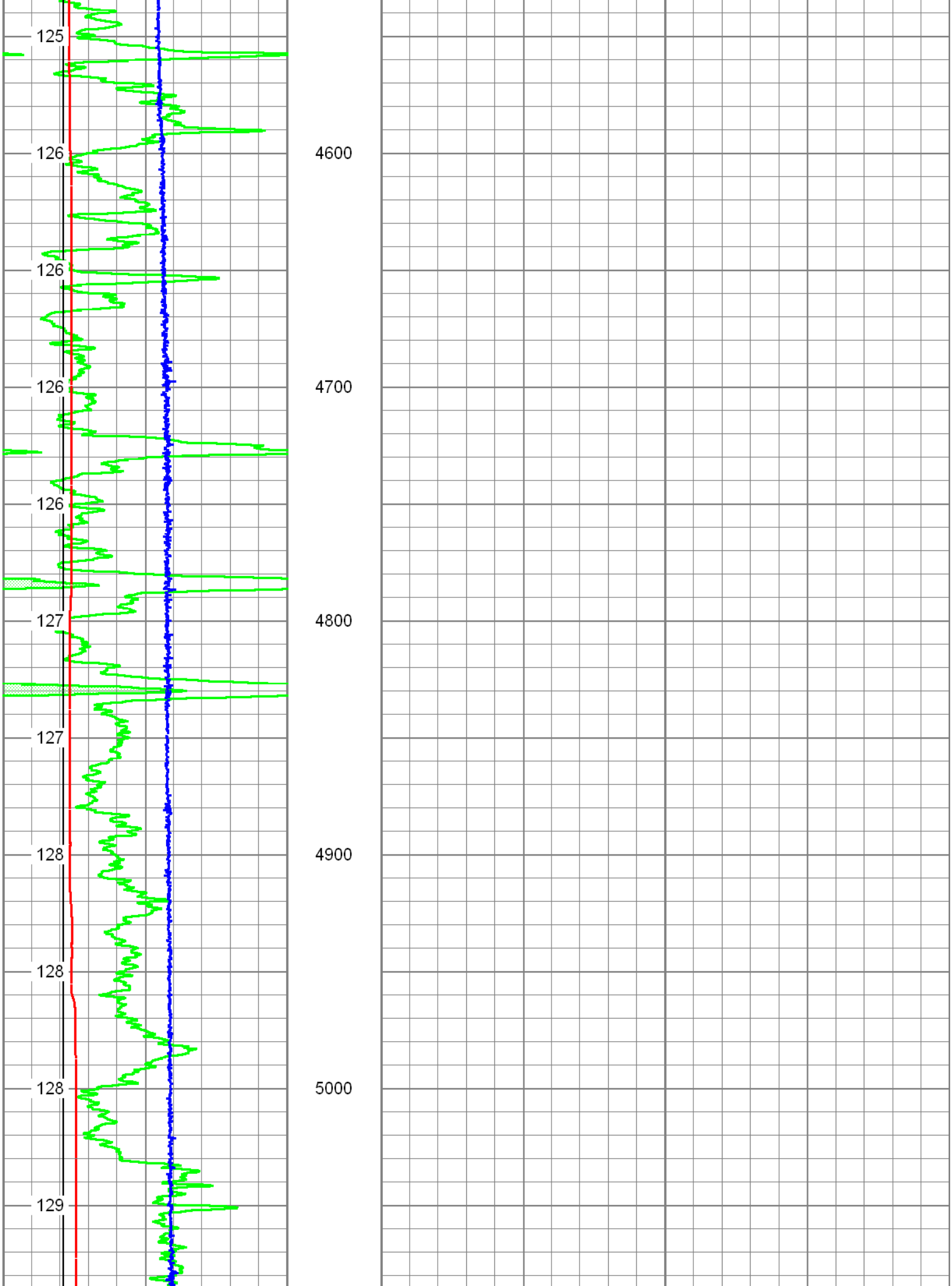
Dataset Pathname: proc1/pass2.1
Presentation Format: chespk2r
Dataset Creation: Sun Sep 19 09:43:21 2010
Charted by: Depth in Feet scaled 1:600

0	GR (GAPI)	150
4	DCAL (in)	14
-5	ACCY	5
4	BOREID (in)	14
GRTEMP (degF)		

50	20in 2ft Res (Ohm-m)	500
50	90in 2ft Res (Ohm-m)	500
1000	DEEP COND (Ohm-m)	0
0	20in 2ft Res (Ohm-m)	50
0	90in 2ft Res (Ohm-m)	50

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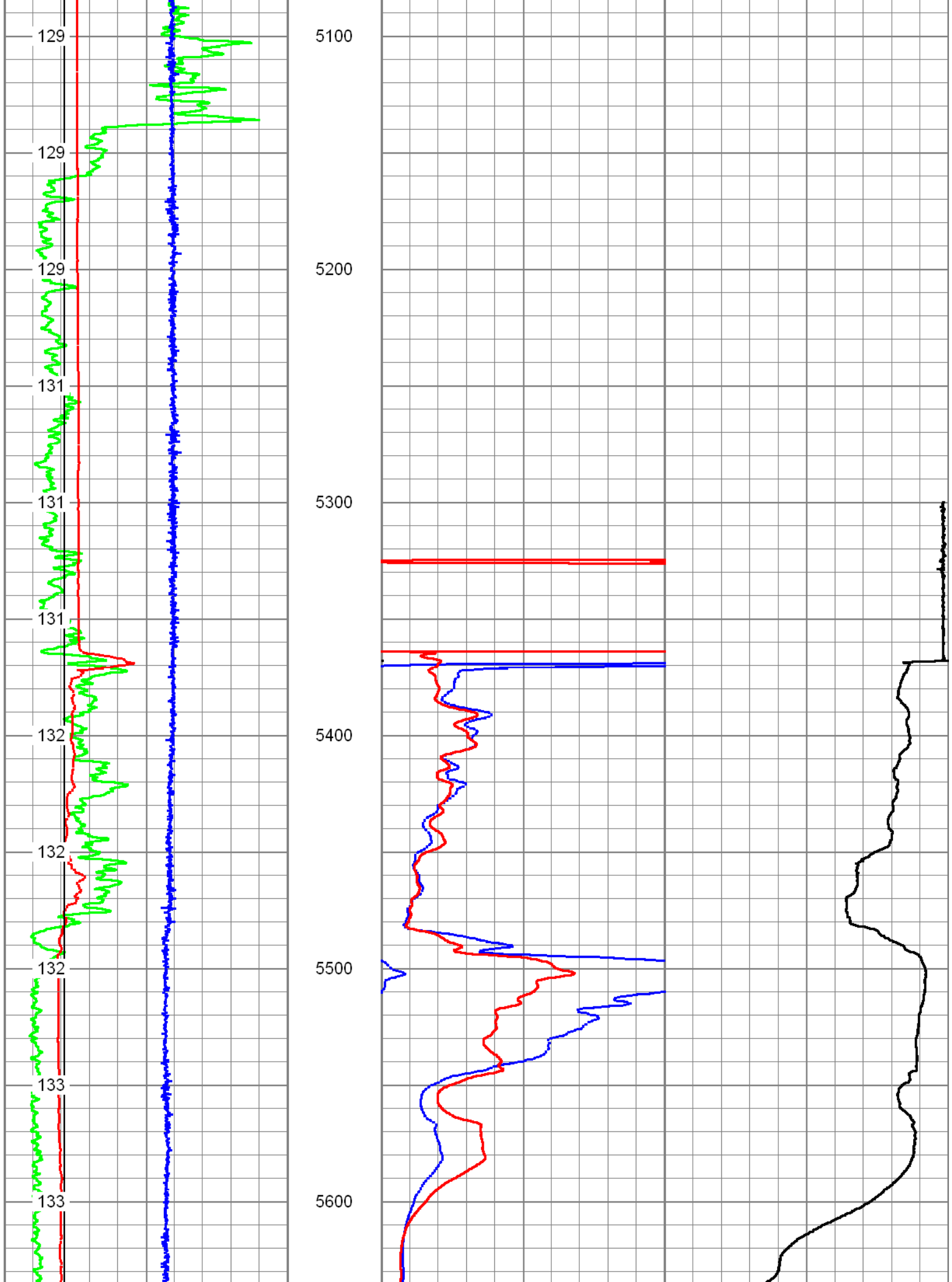
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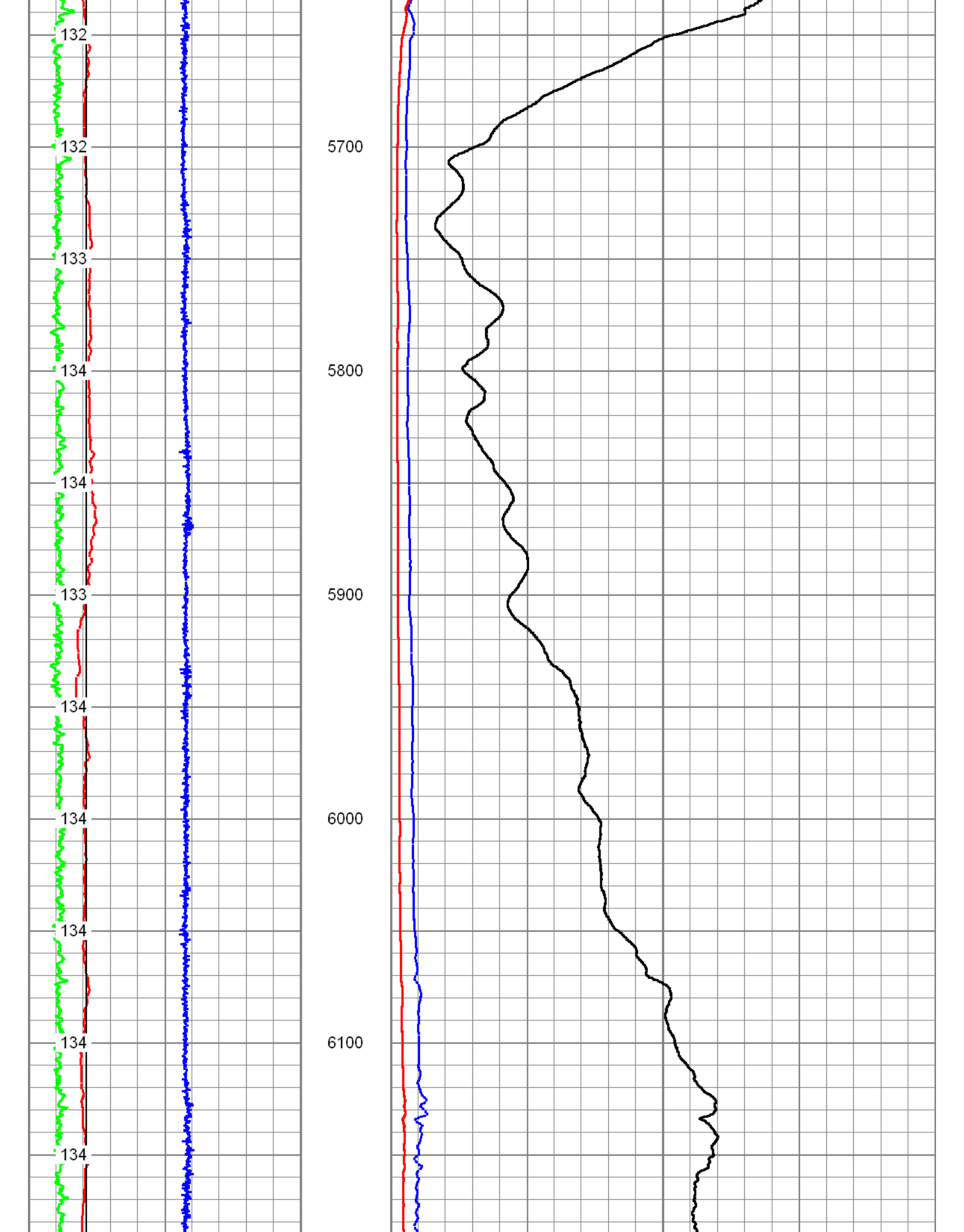
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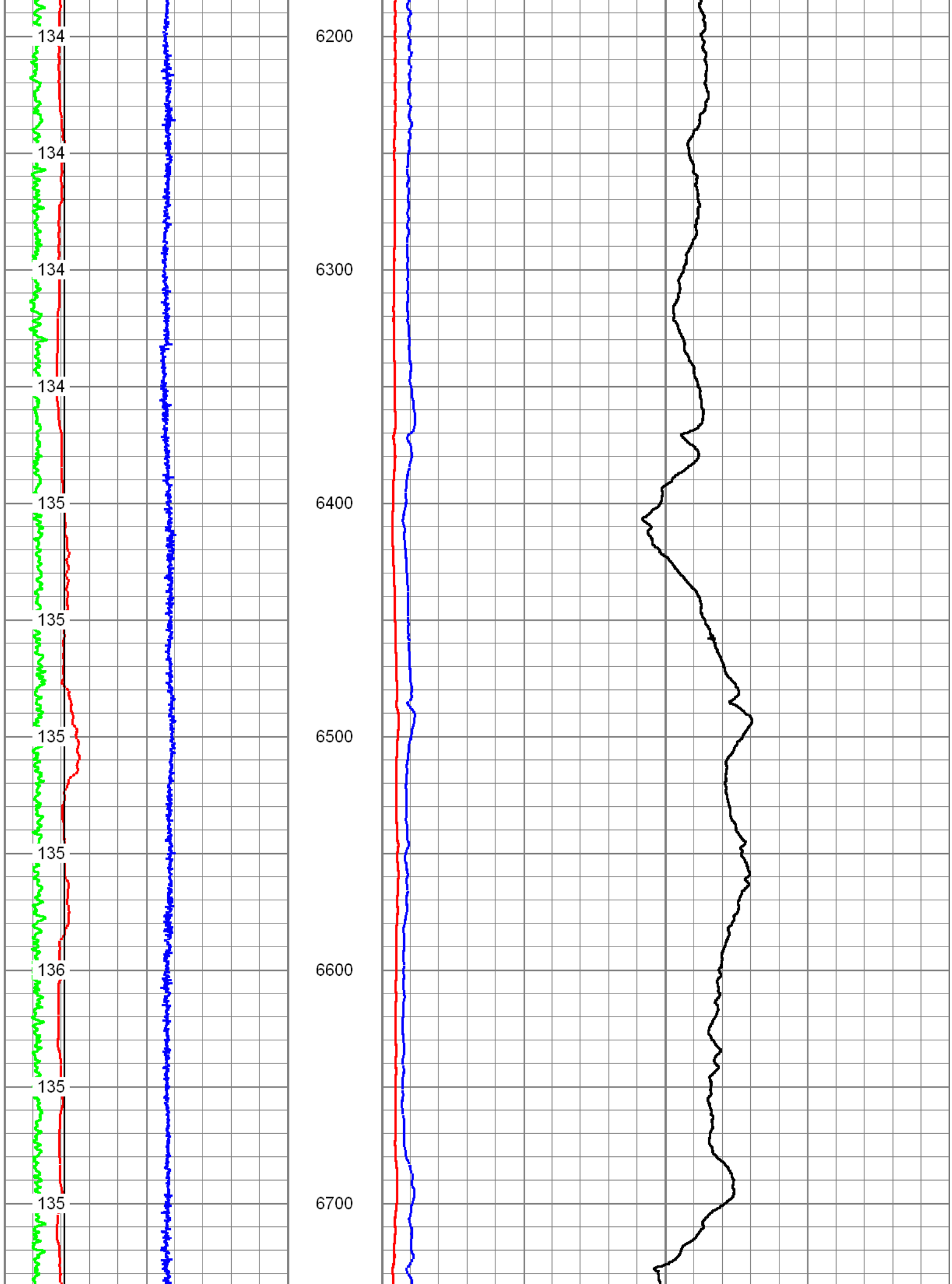
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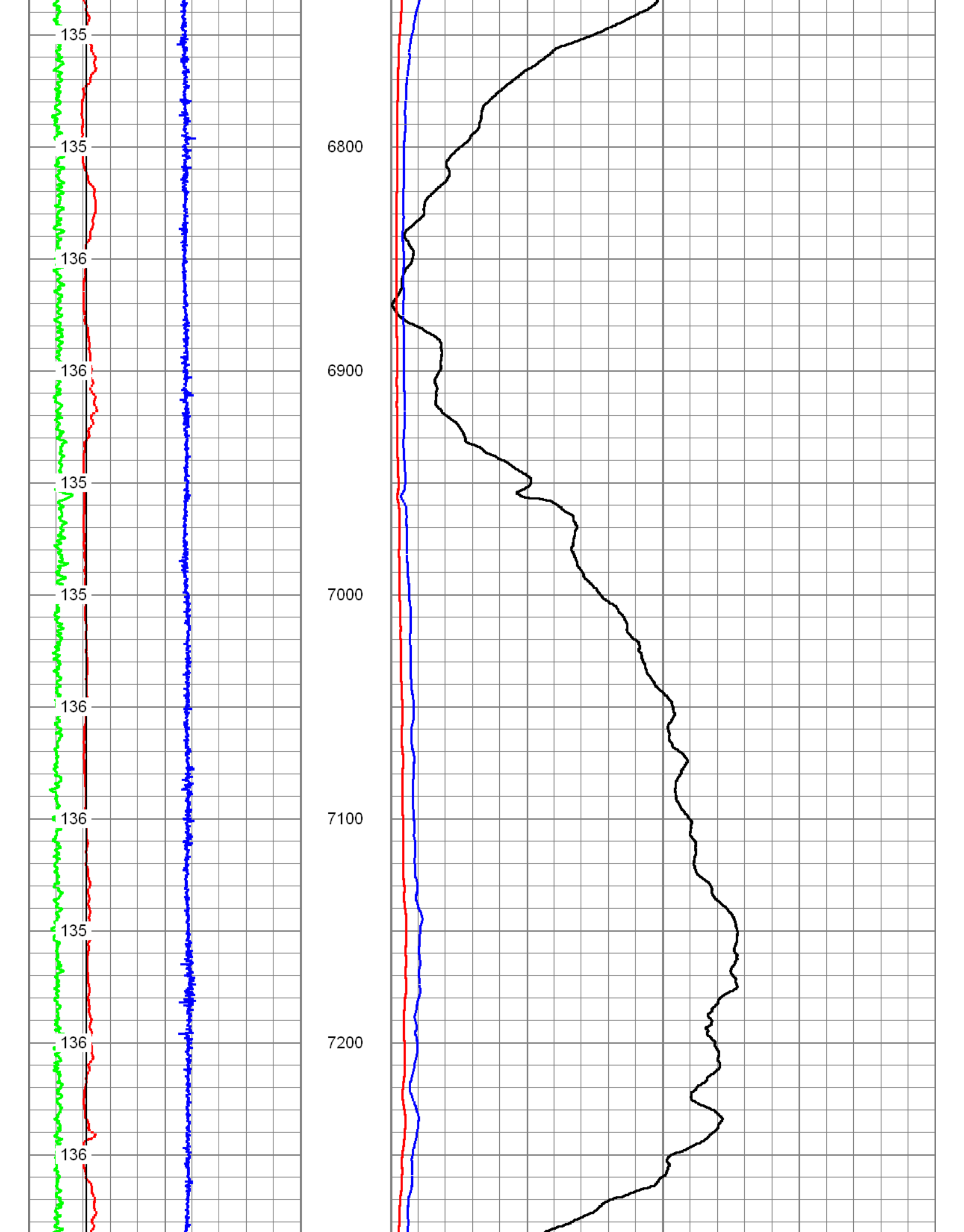
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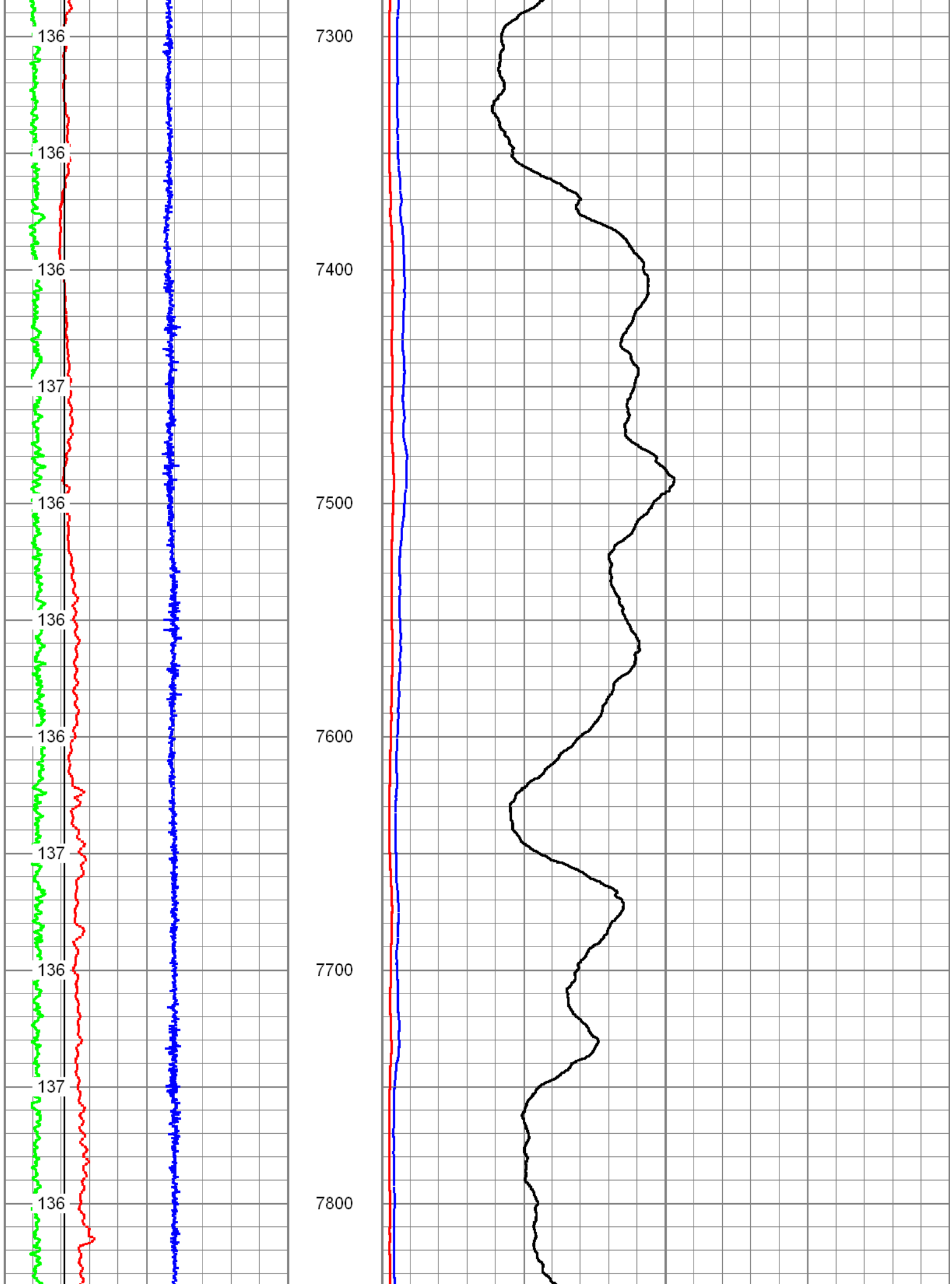
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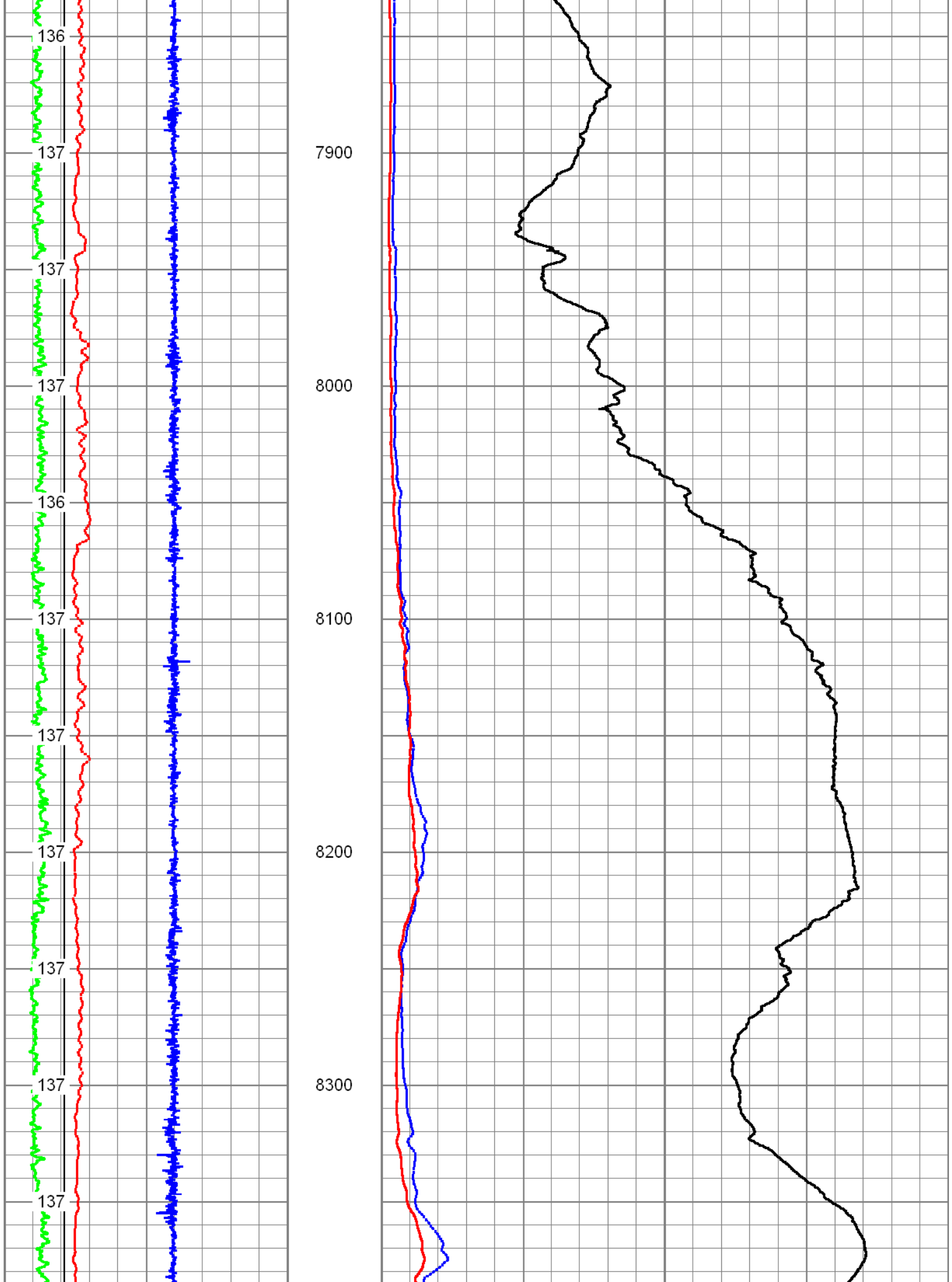
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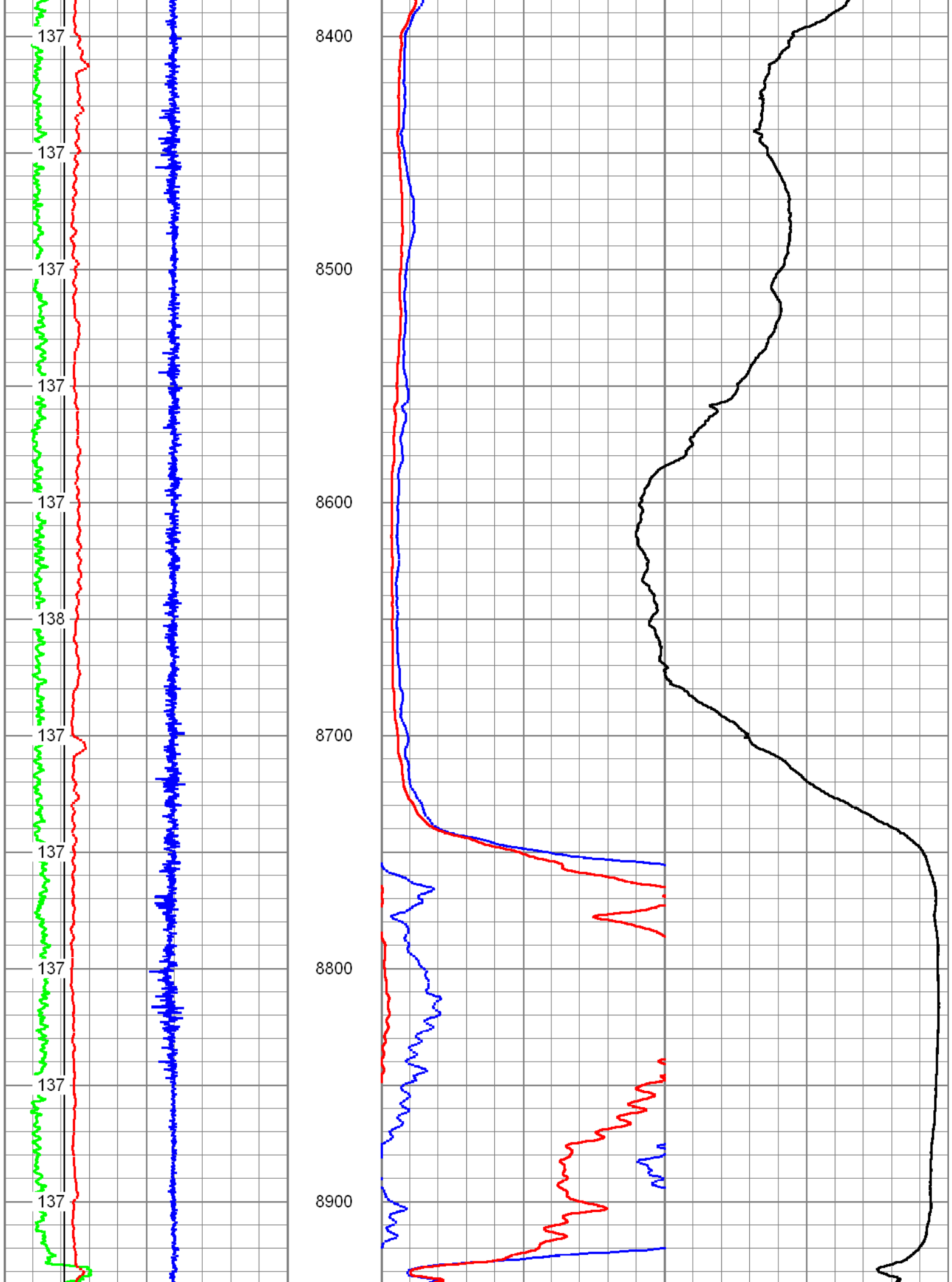
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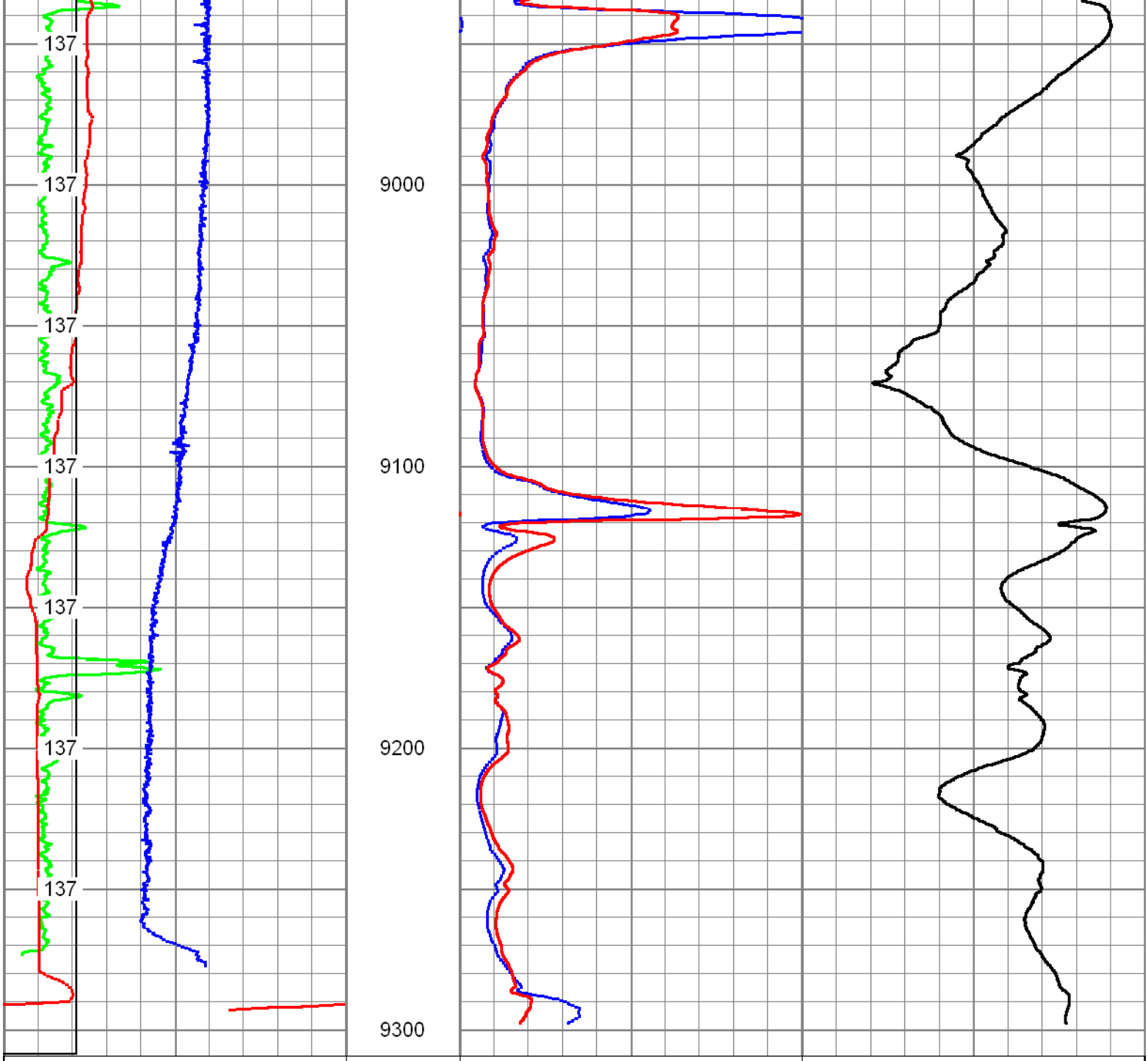

0	GR (GAPI)	150
4	DCAL (in)	14
-5	ACCY	5
4	BOREID (in)	14
GRTEMP (degF)		

50	20in 2ft Res (Ohm-m)	500
50	90in 2ft Res (Ohm-m)	500
1000	DEEP COND (Ohm-m)	0
0	20in 2ft Res (Ohm-m)	50
0	90in 2ft Res (Ohm-m)	50

ThruBit LOGGING SOLUTIONS

MAIN PASS

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Presentation Format:	chespk5r
Dataset Creation:	Sun Sep 19 09:43:21 2010
Charted by:	Depth in Feet scaled 1:240

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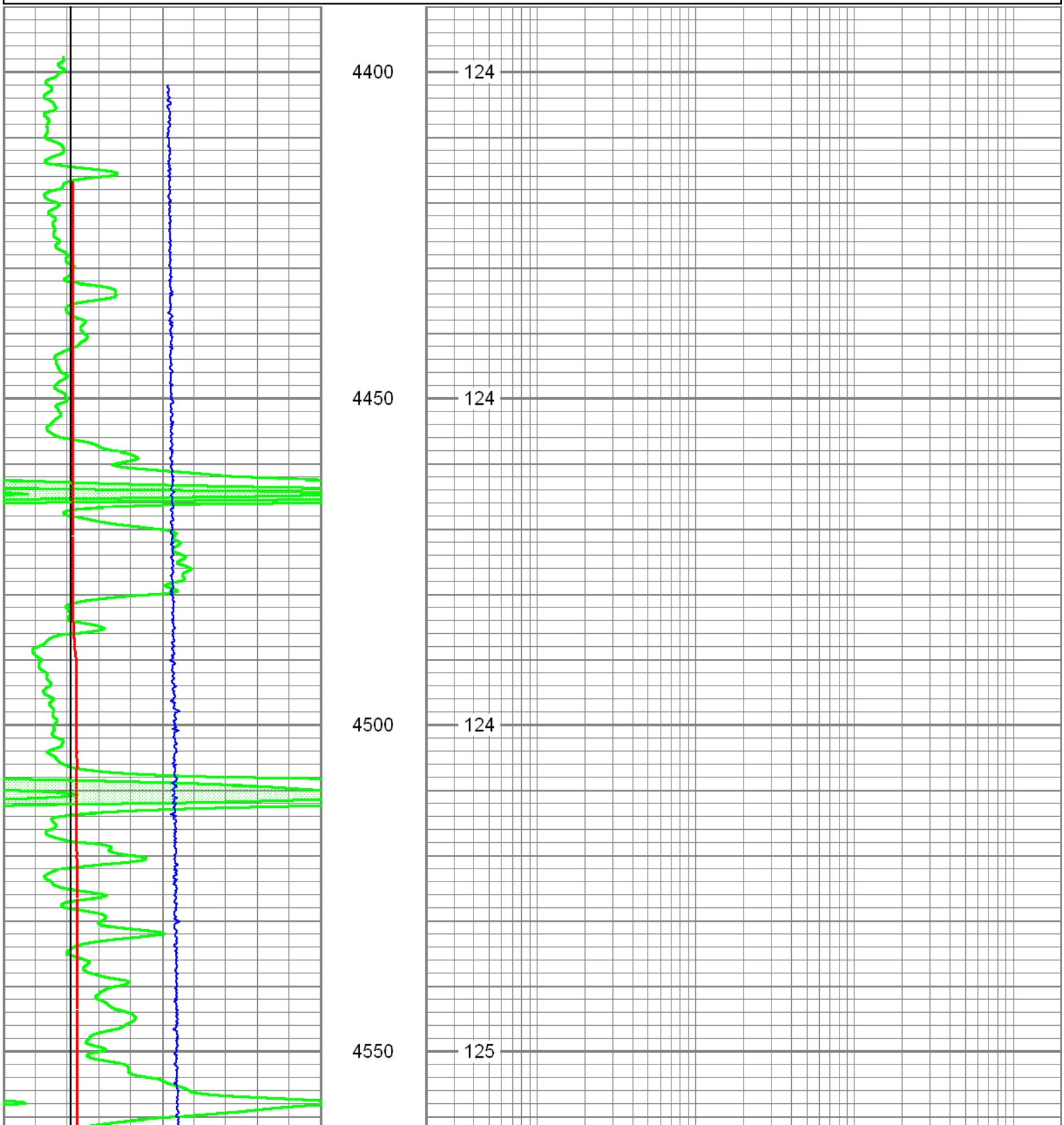
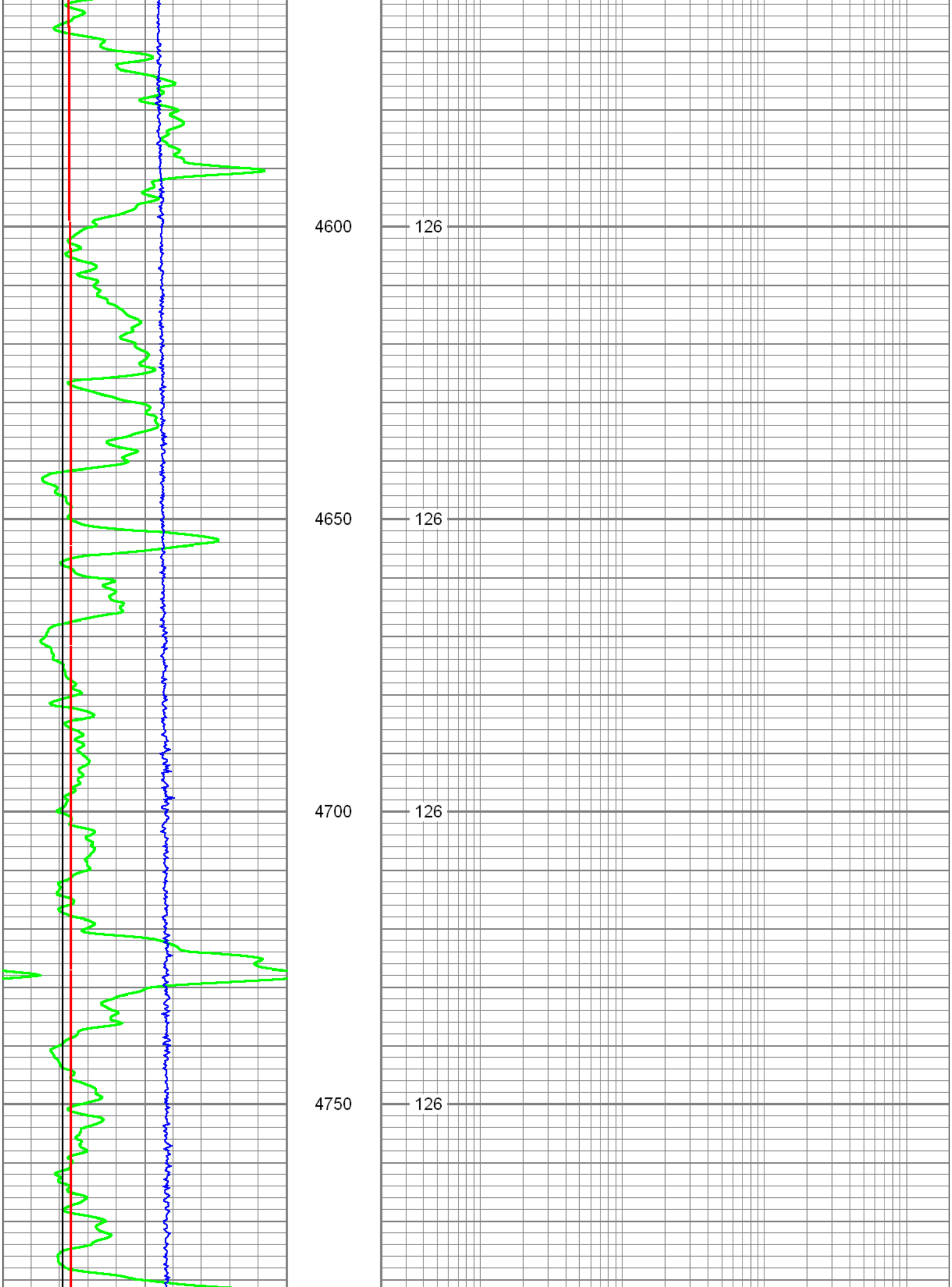
4	DCAL (in)	14
-5	ACCY	5

0.2	20inRadial (Ohm-m)	2000
0.2	30inRadial (Ohm-m)	2000
0.2	60inRadial (Ohm-m)	2000
0.2	90inRadial (Ohm-m)	2000
0.2	10inRadial (Ohm-m)	2000

GRTEMP (degF)

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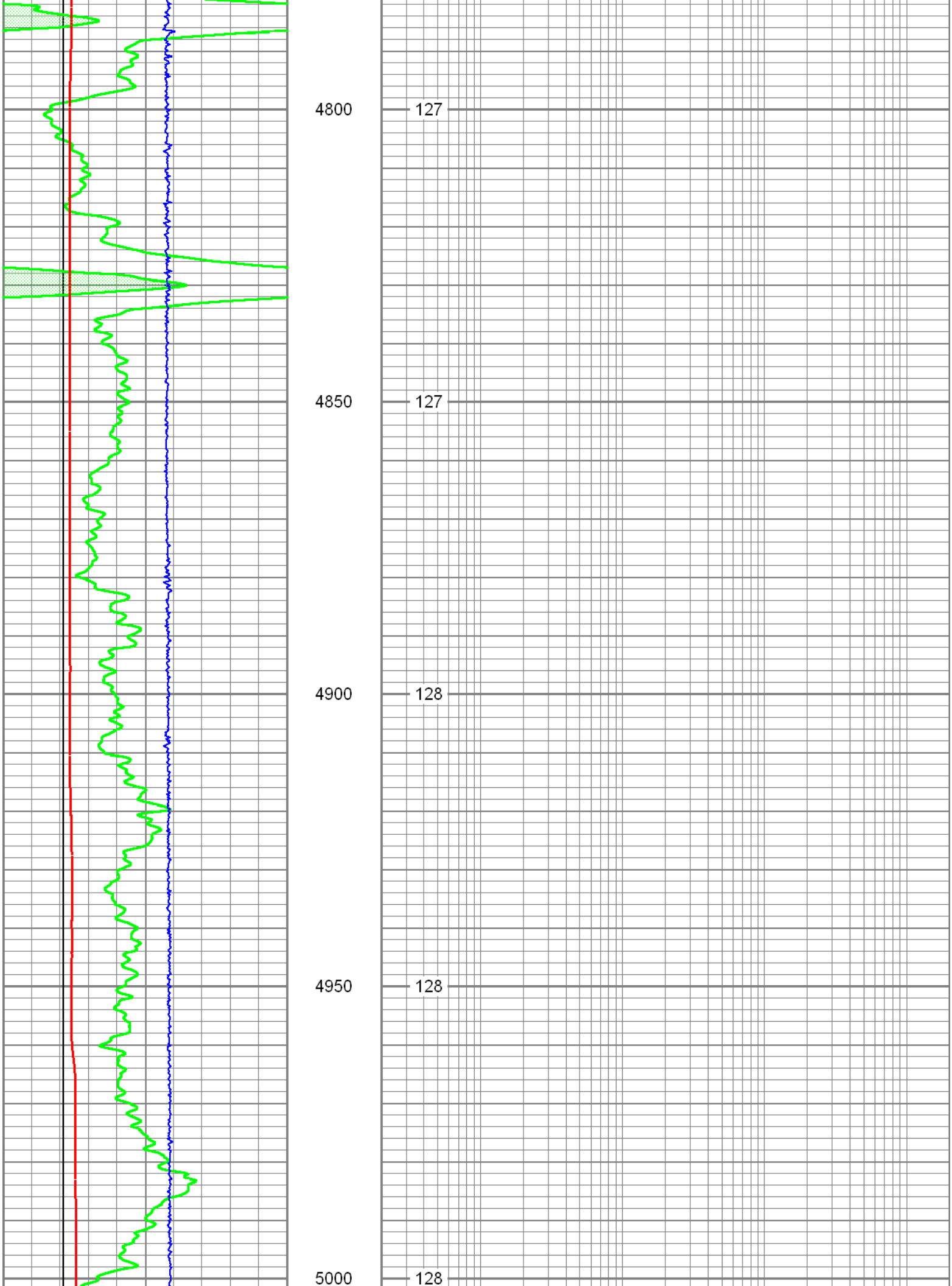
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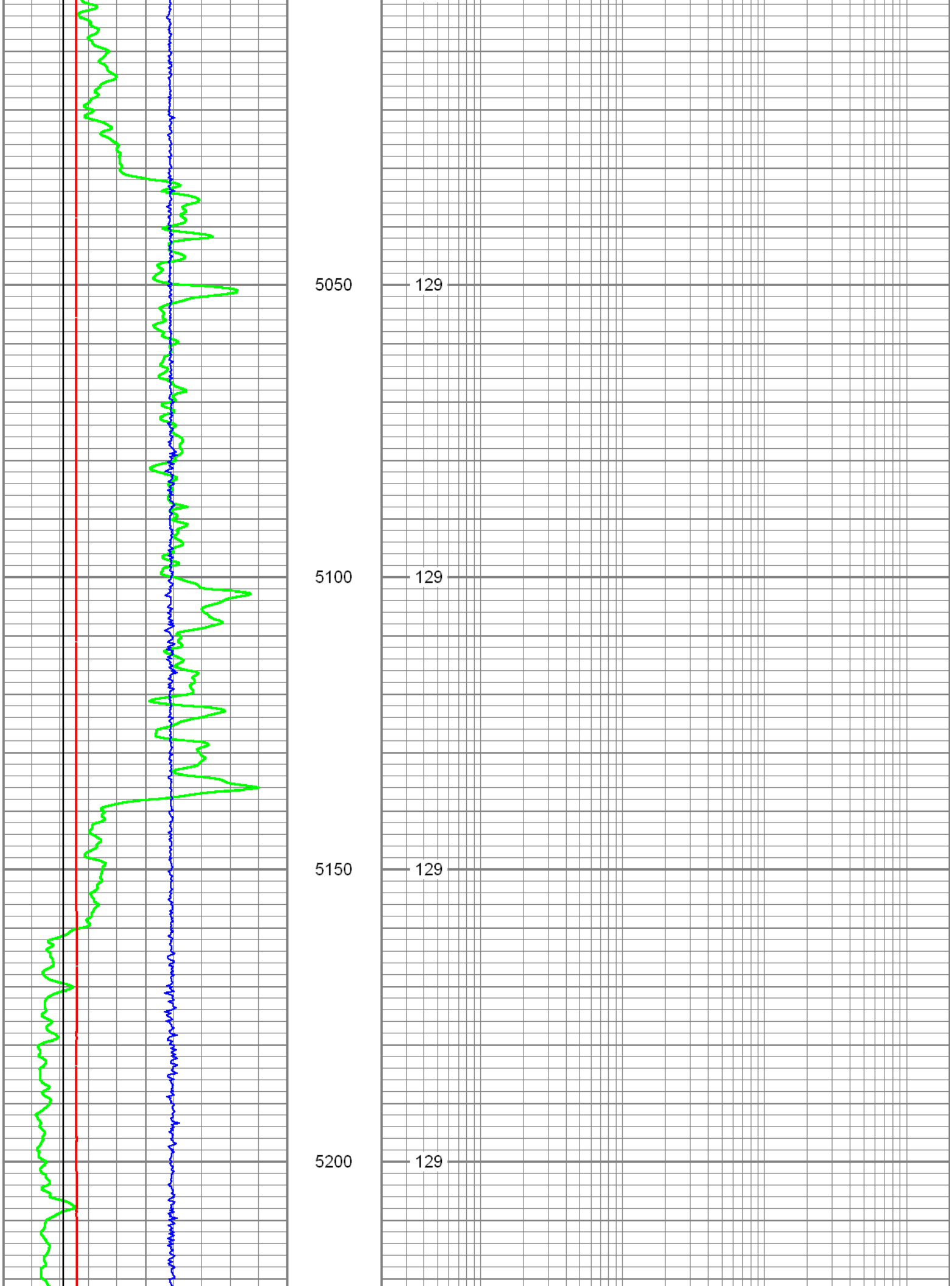
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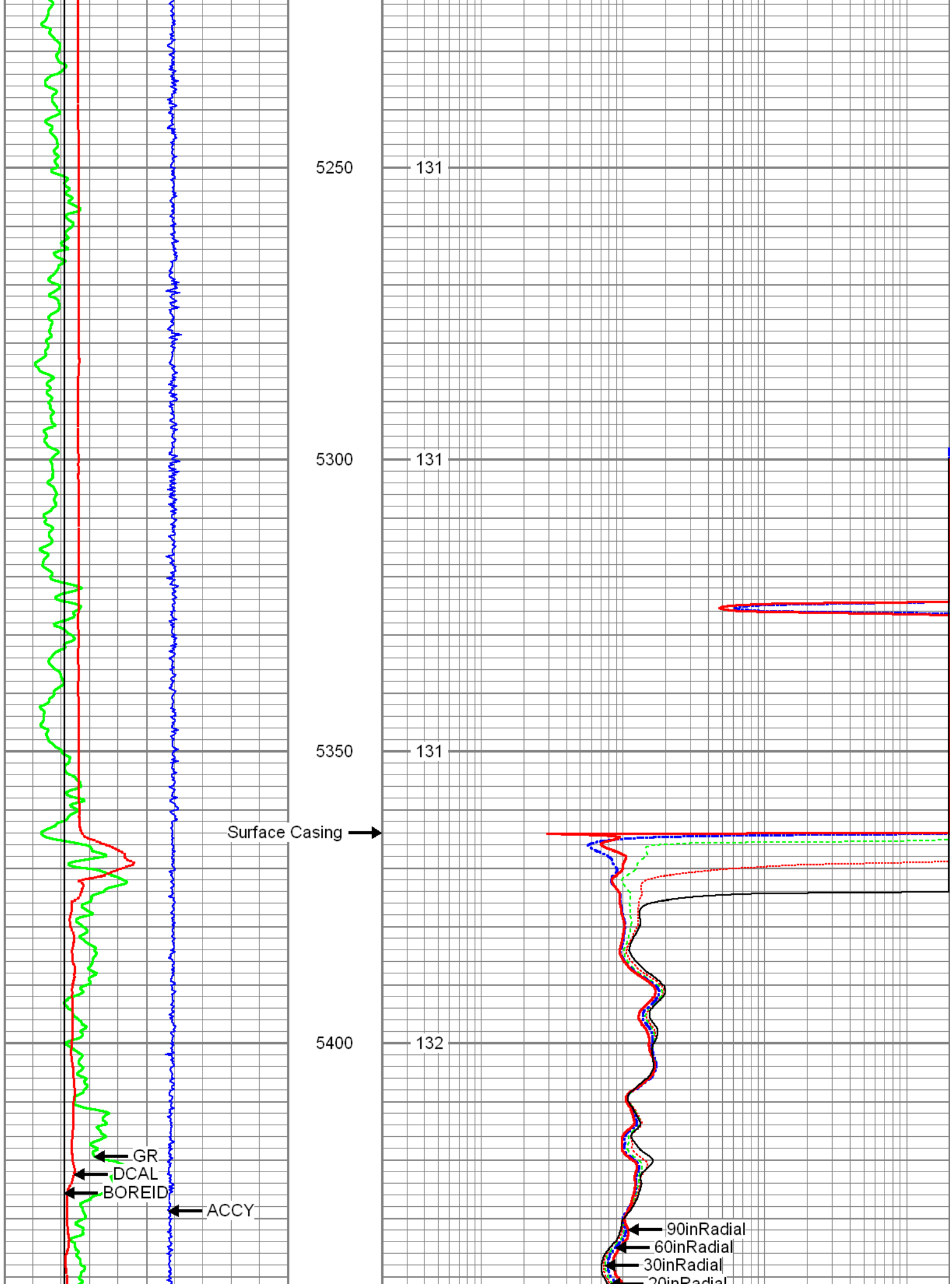
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DCAL
BOREID
ACCY
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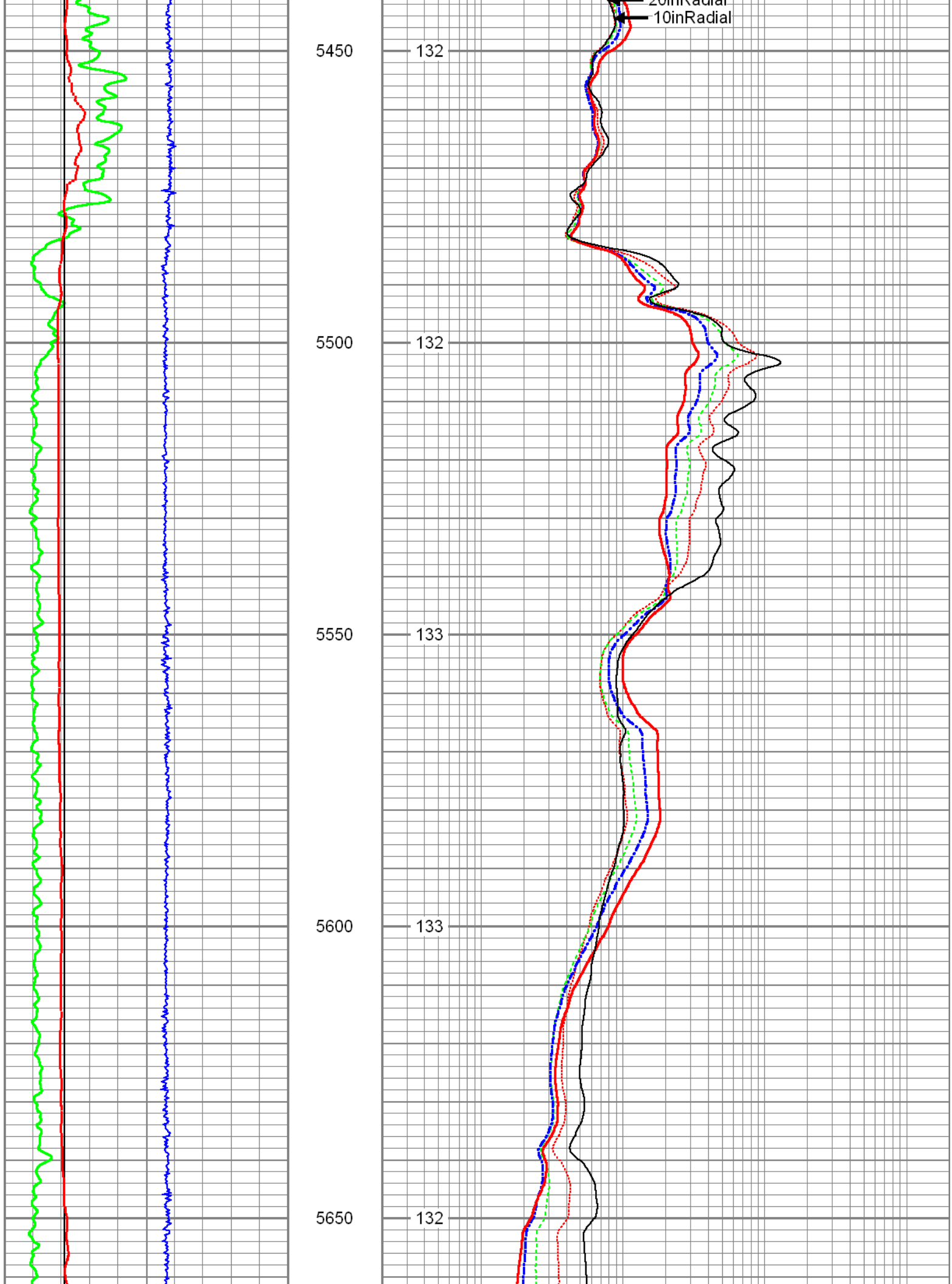
60inRadial
30inRadial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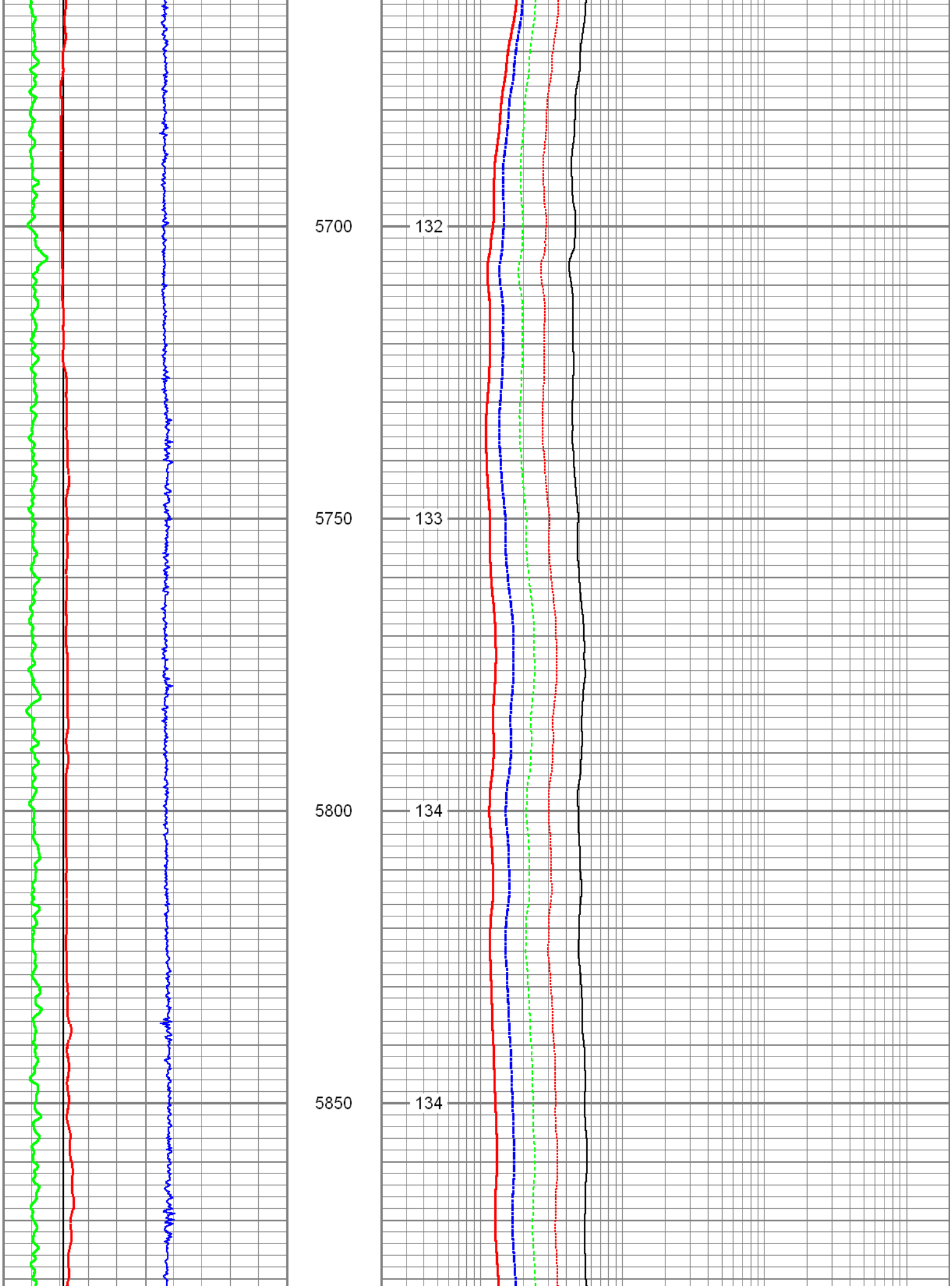
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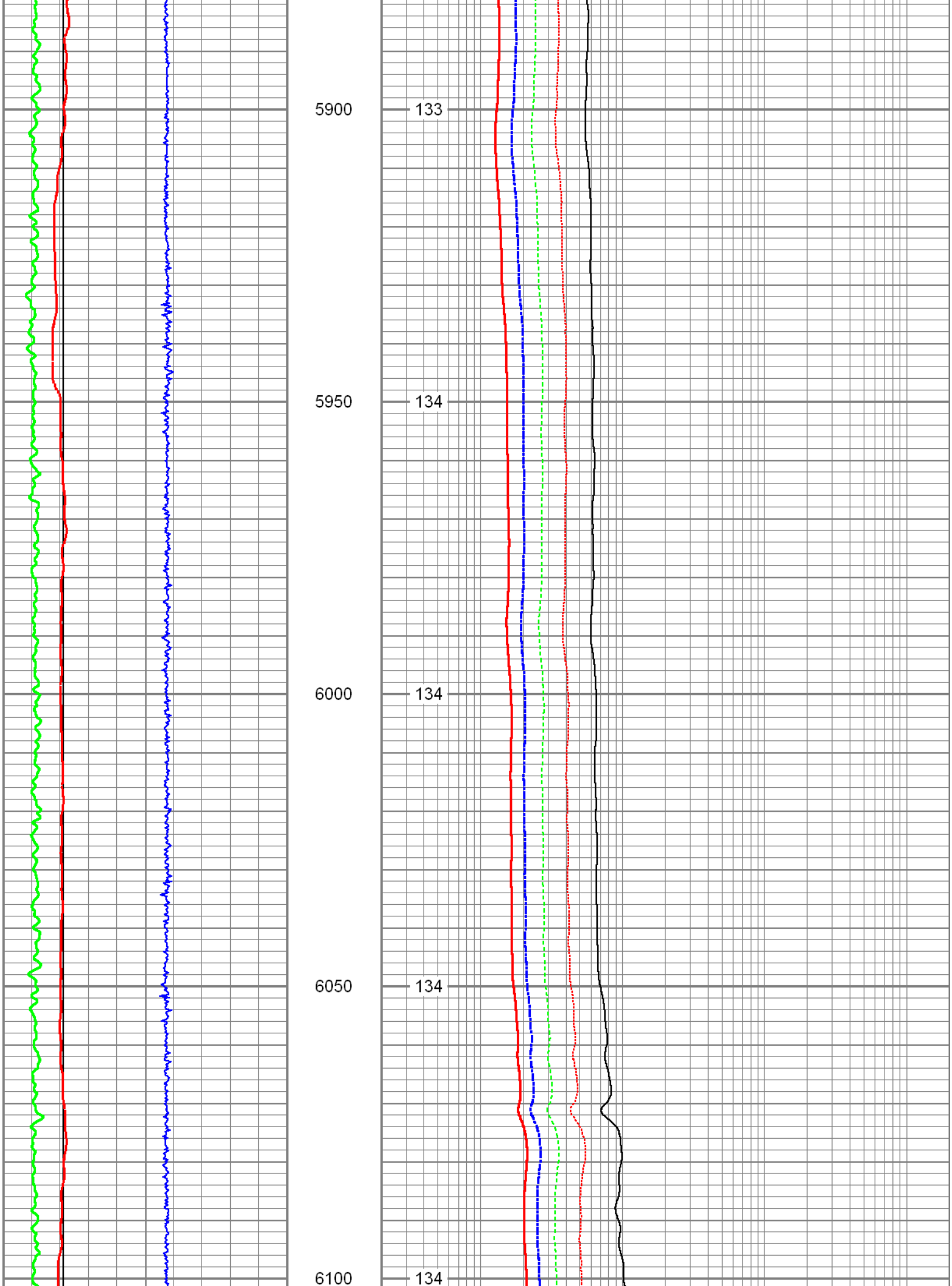
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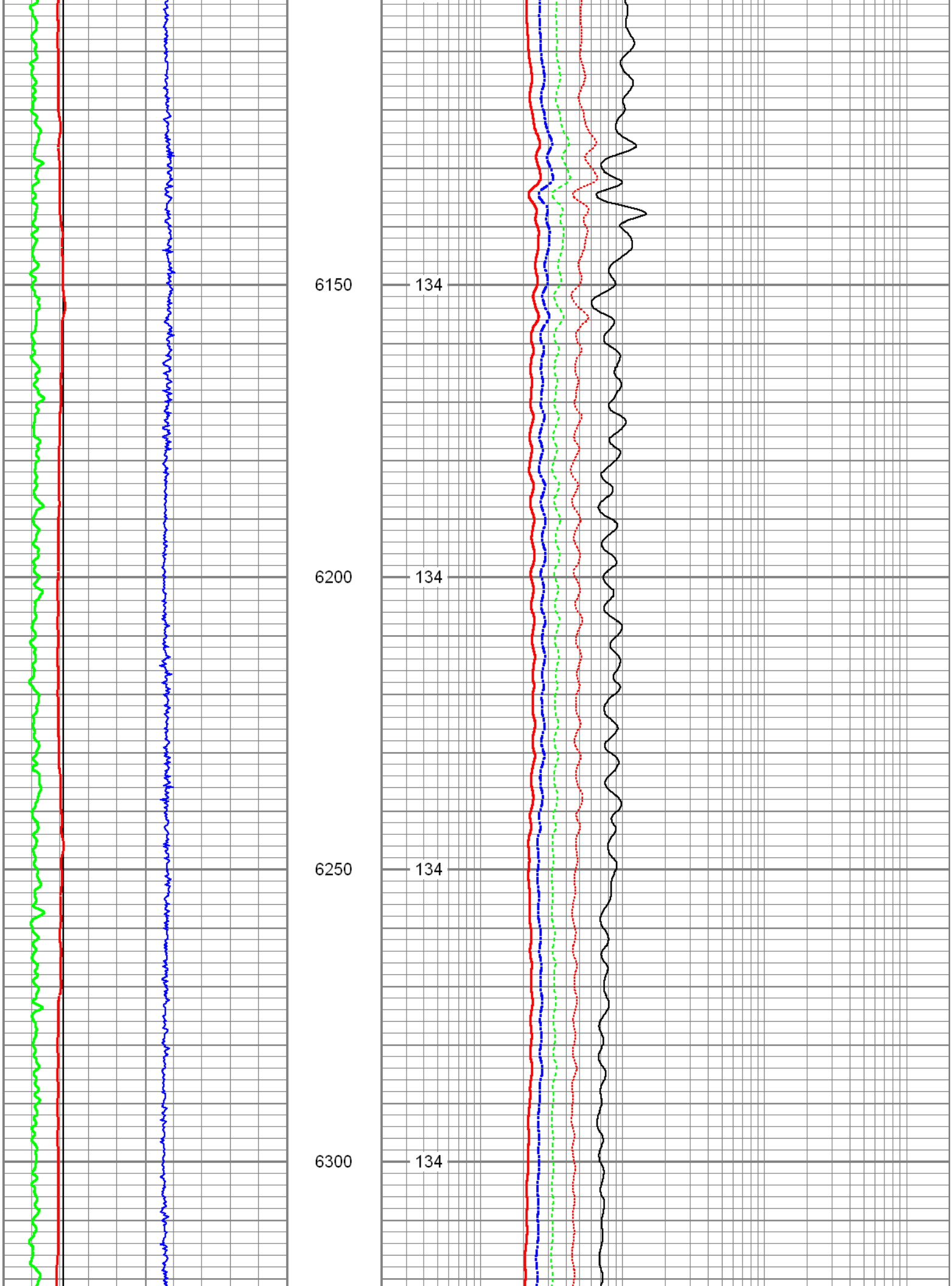
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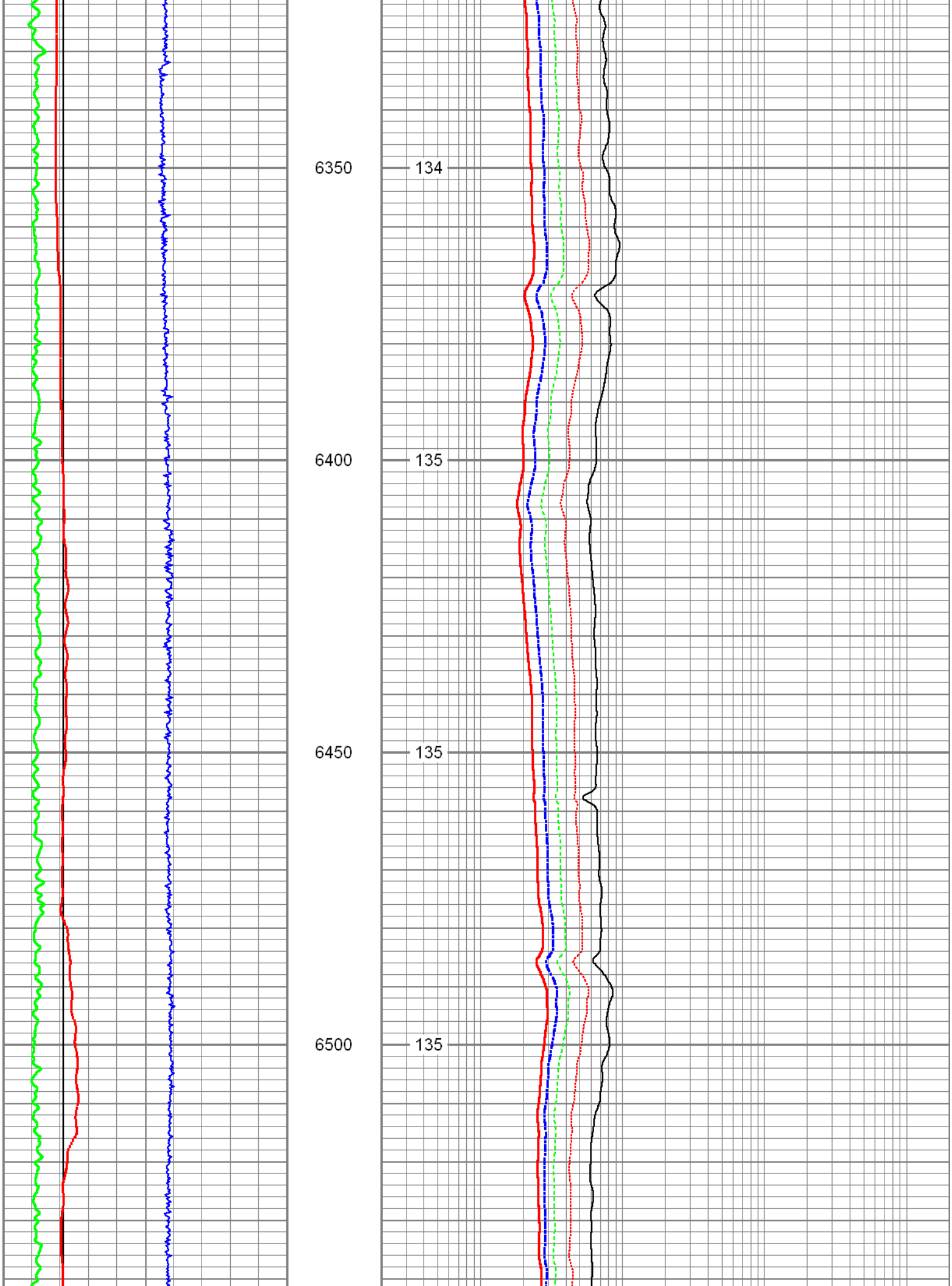
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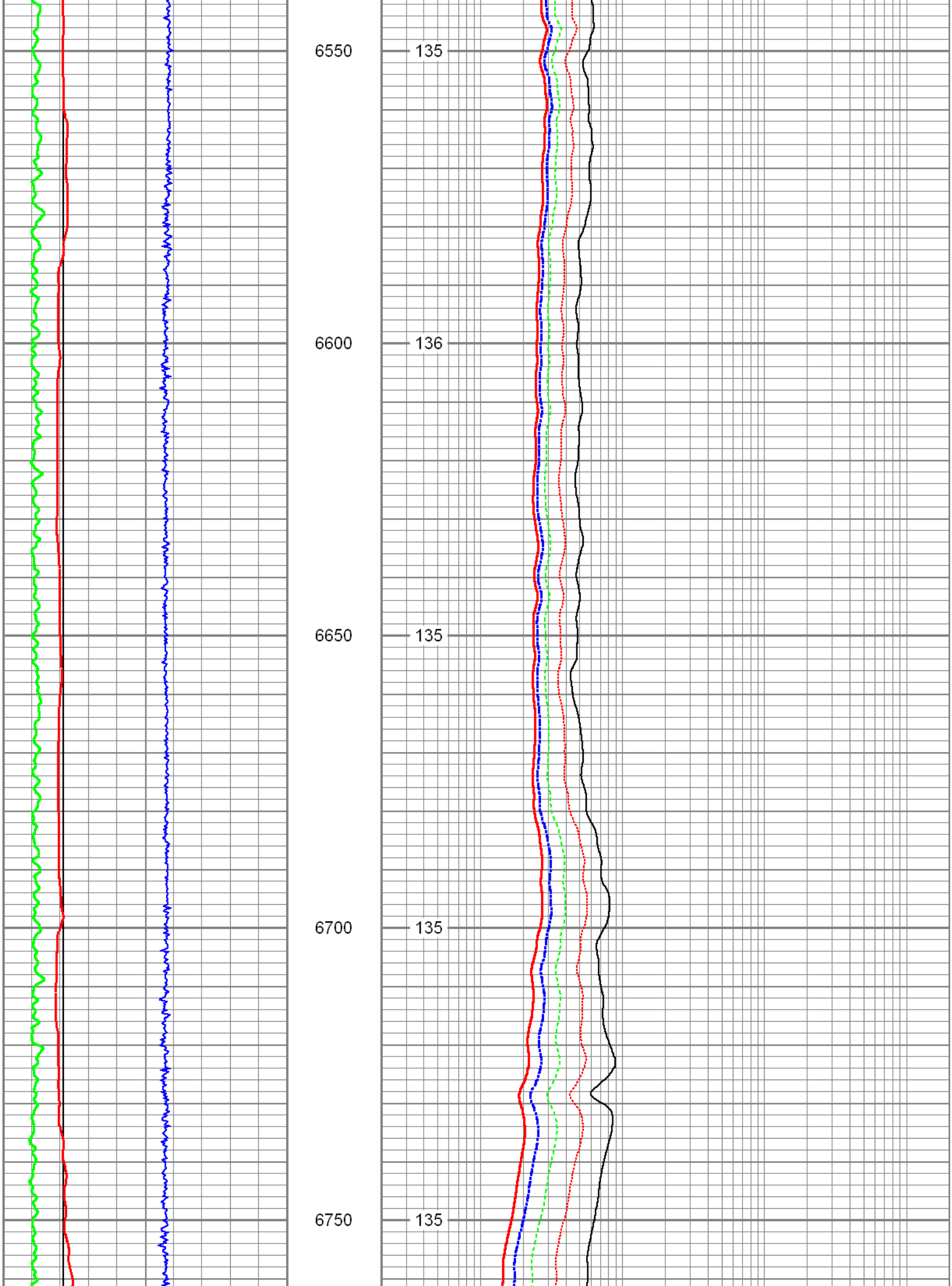
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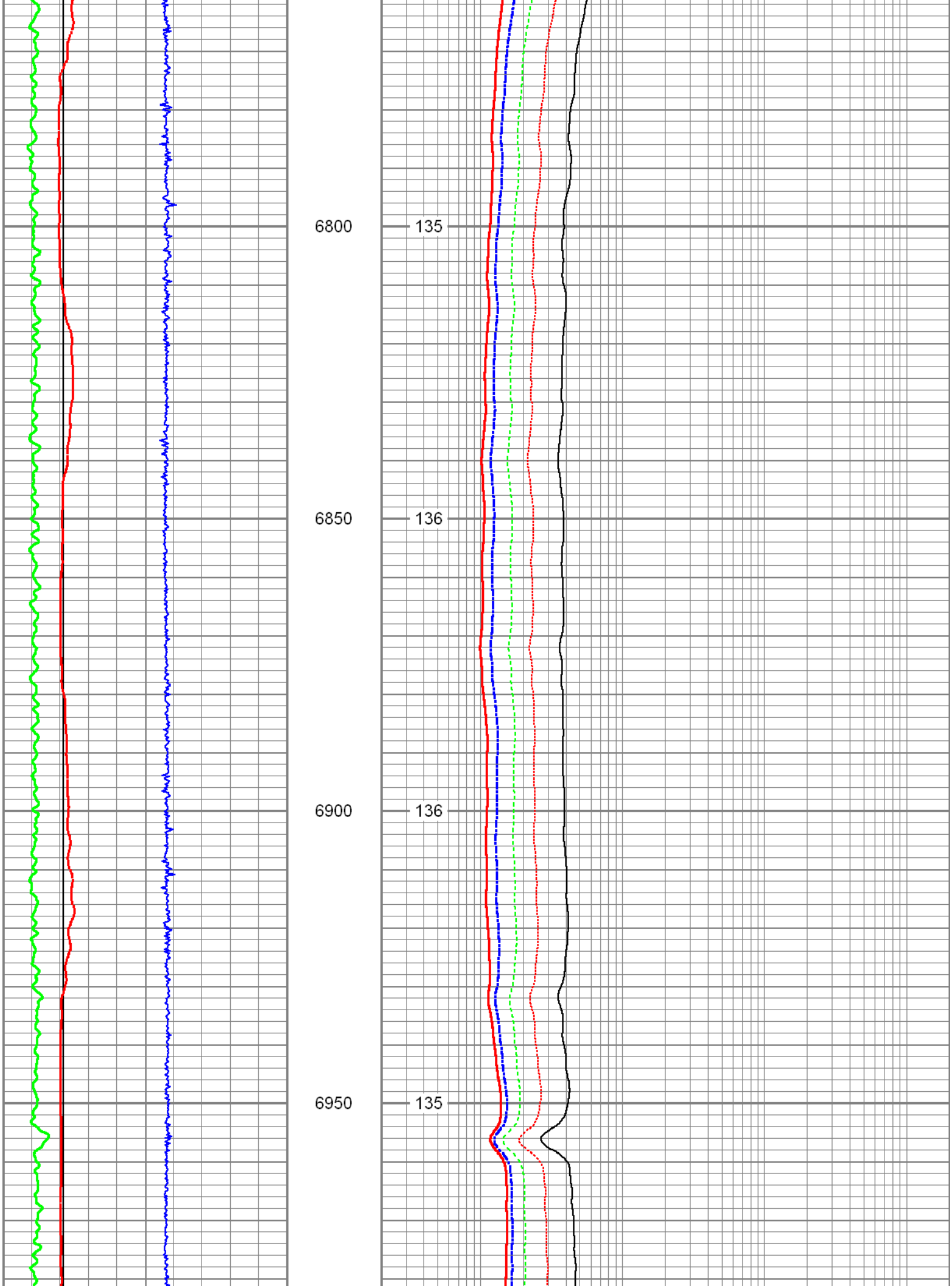
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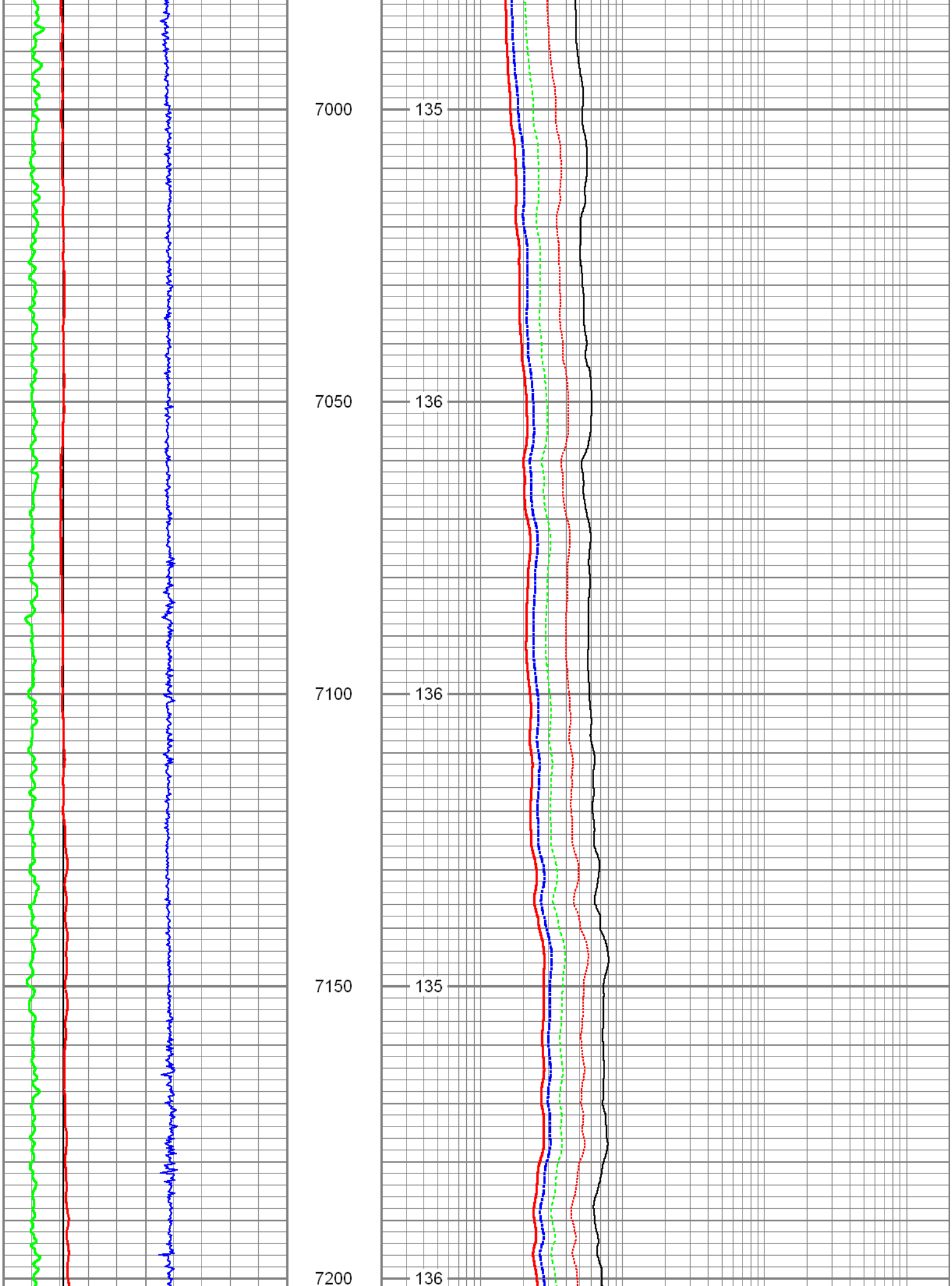
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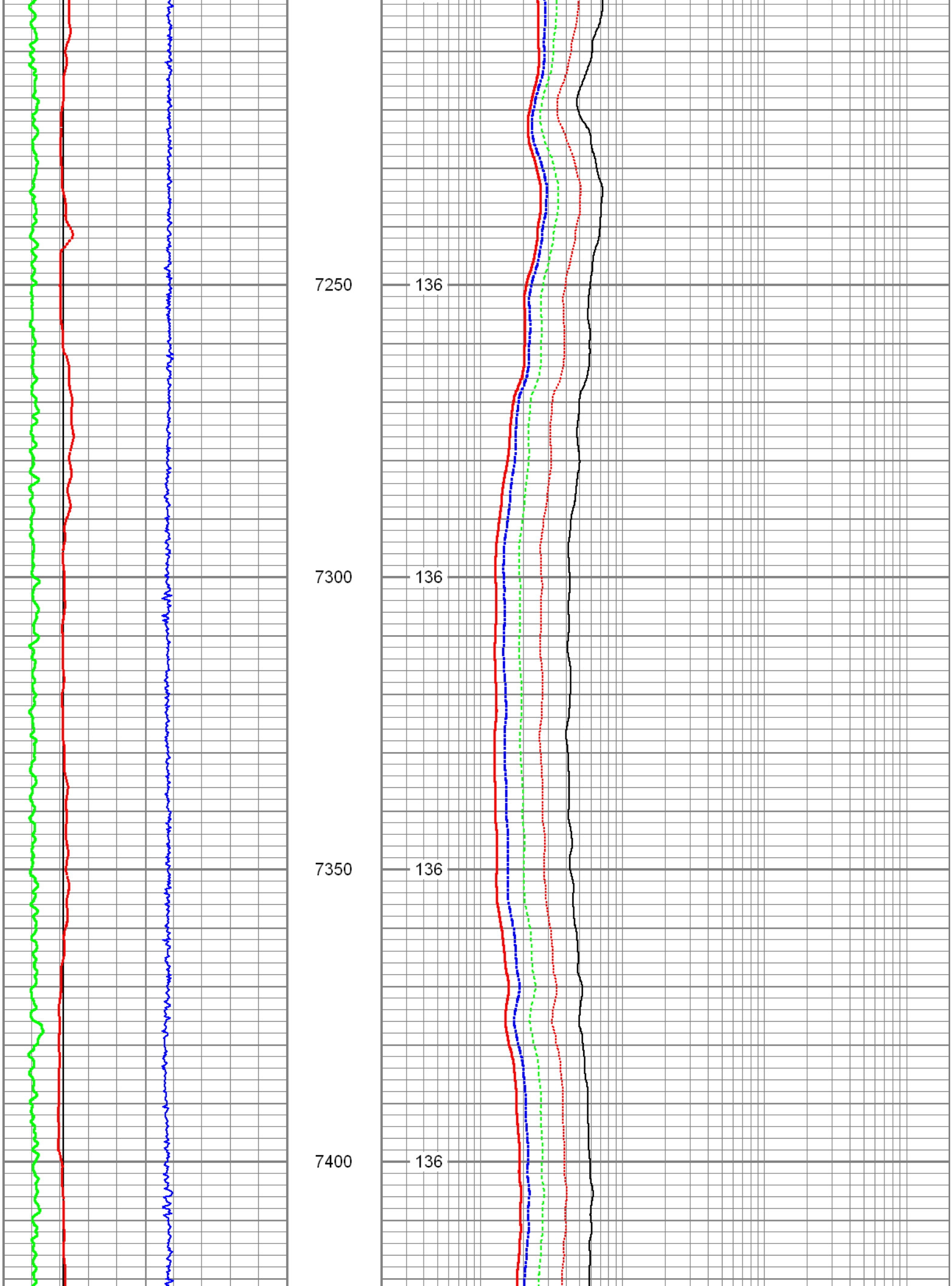
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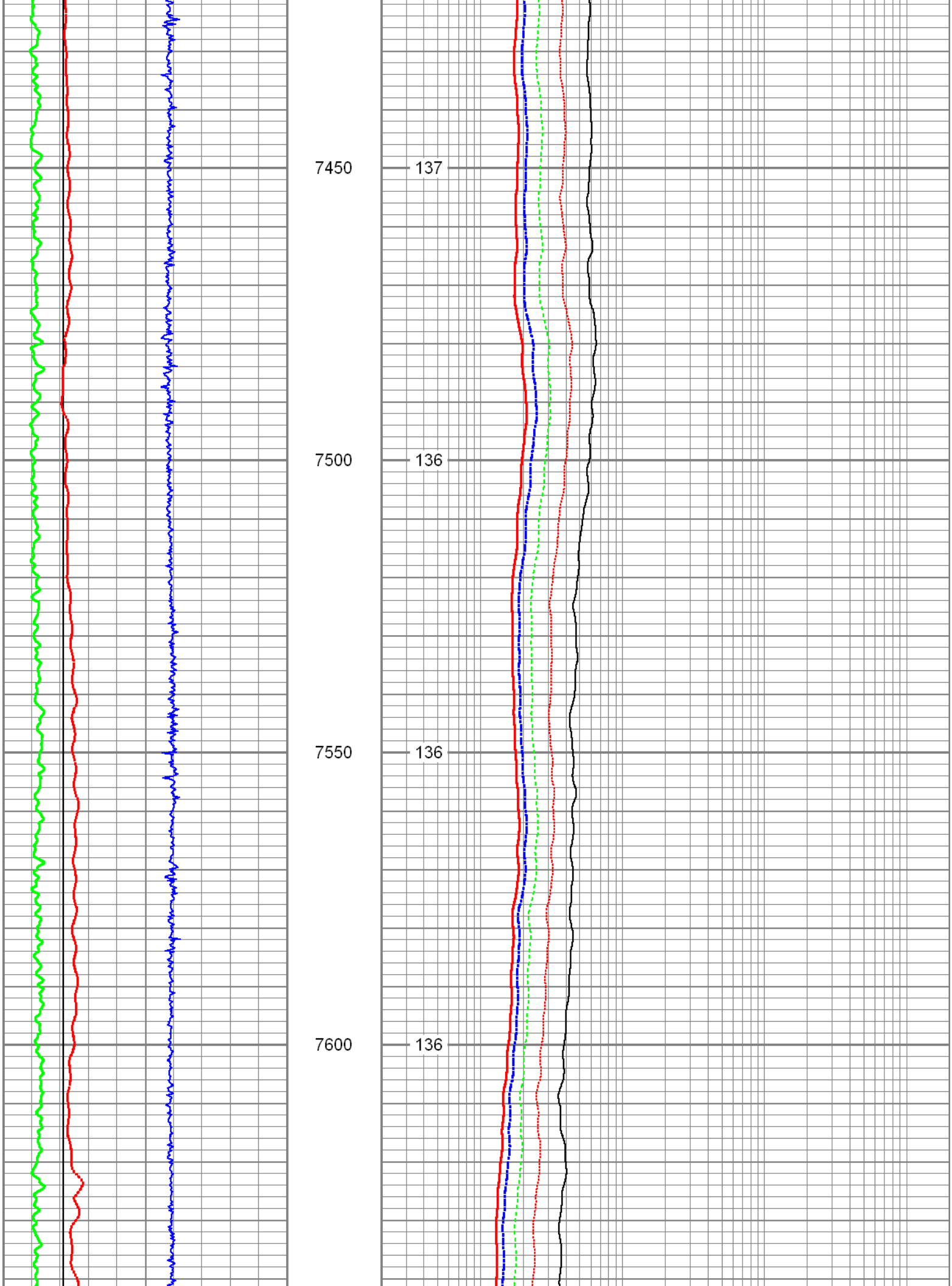
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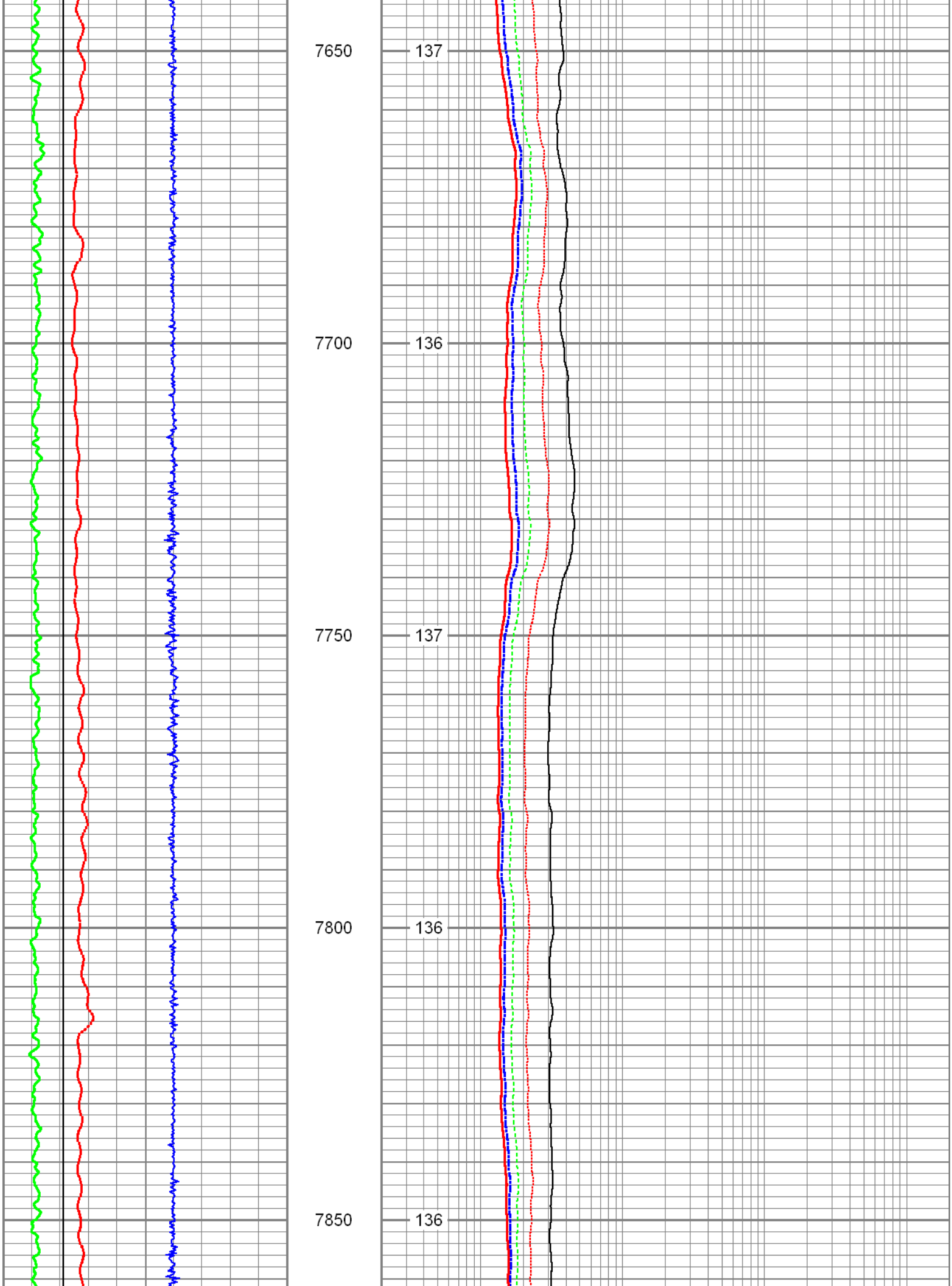
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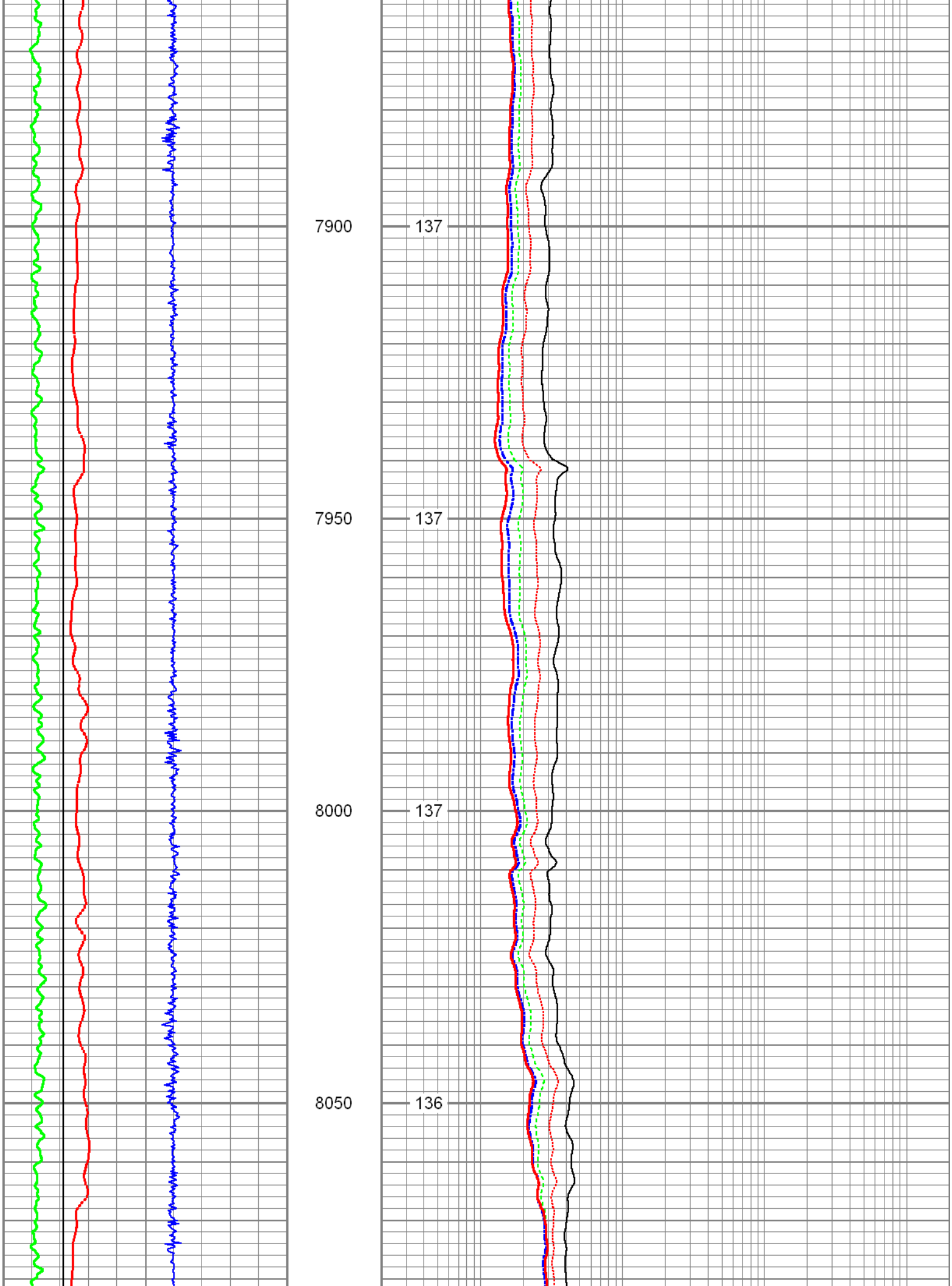
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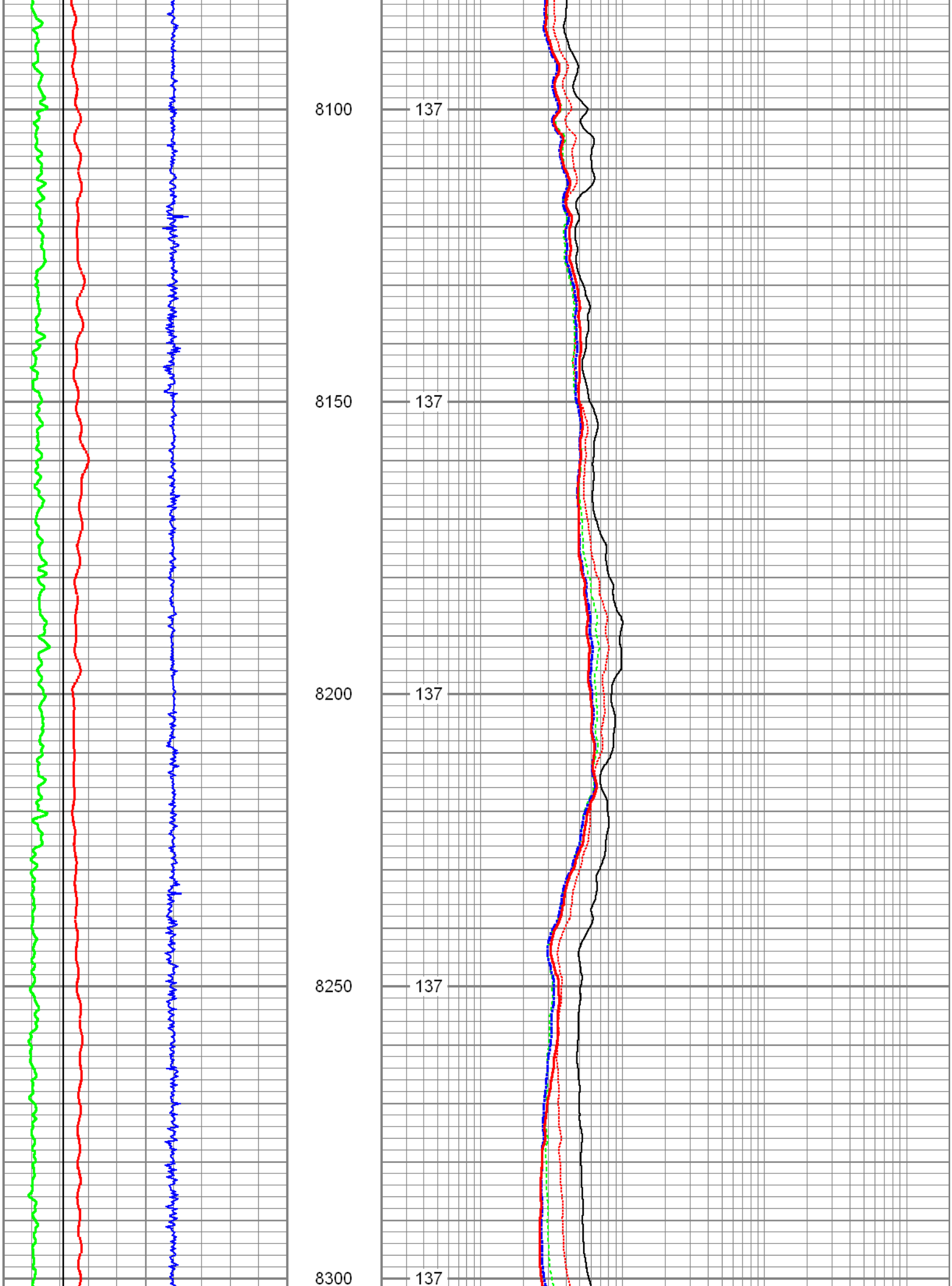
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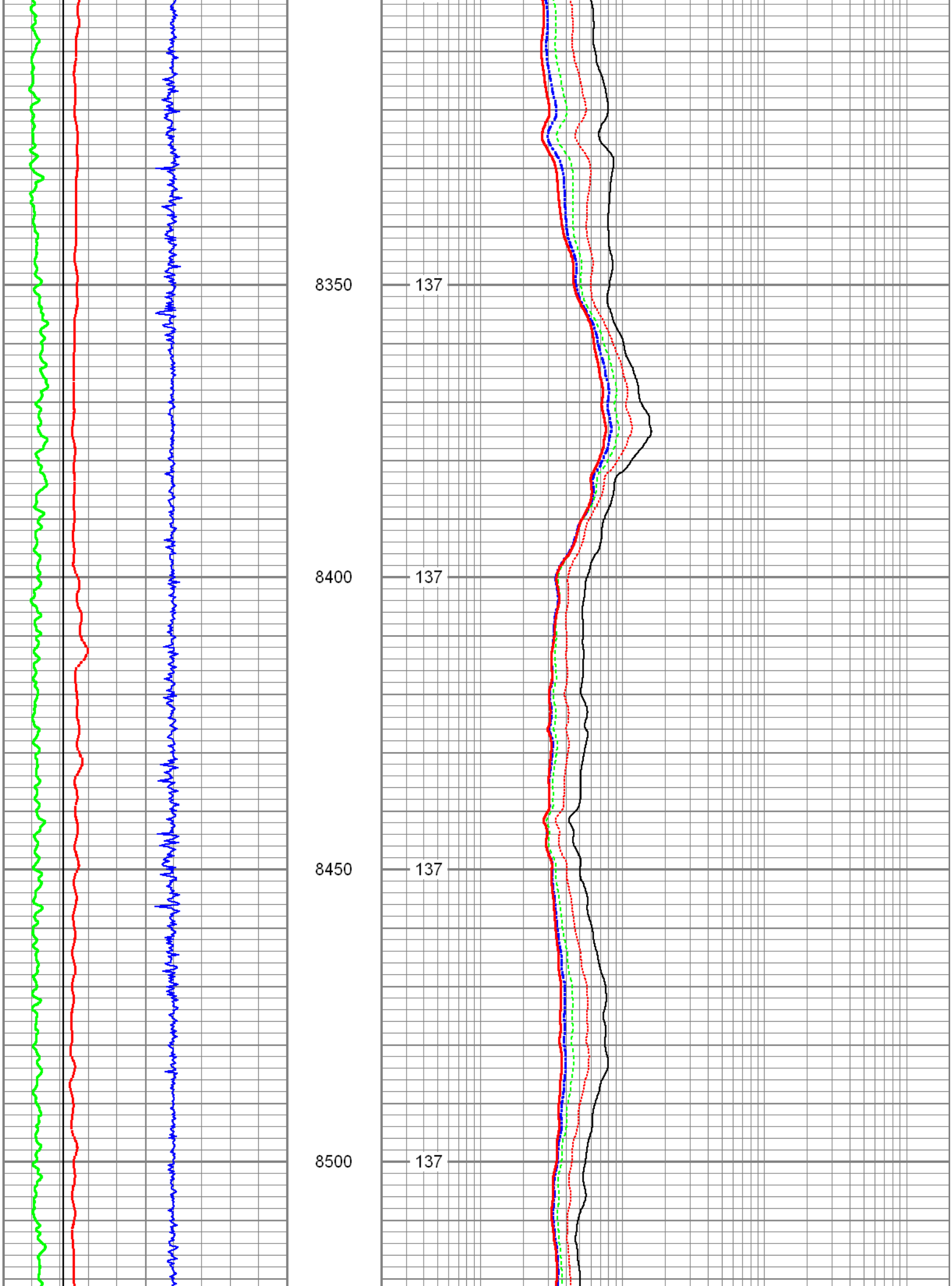
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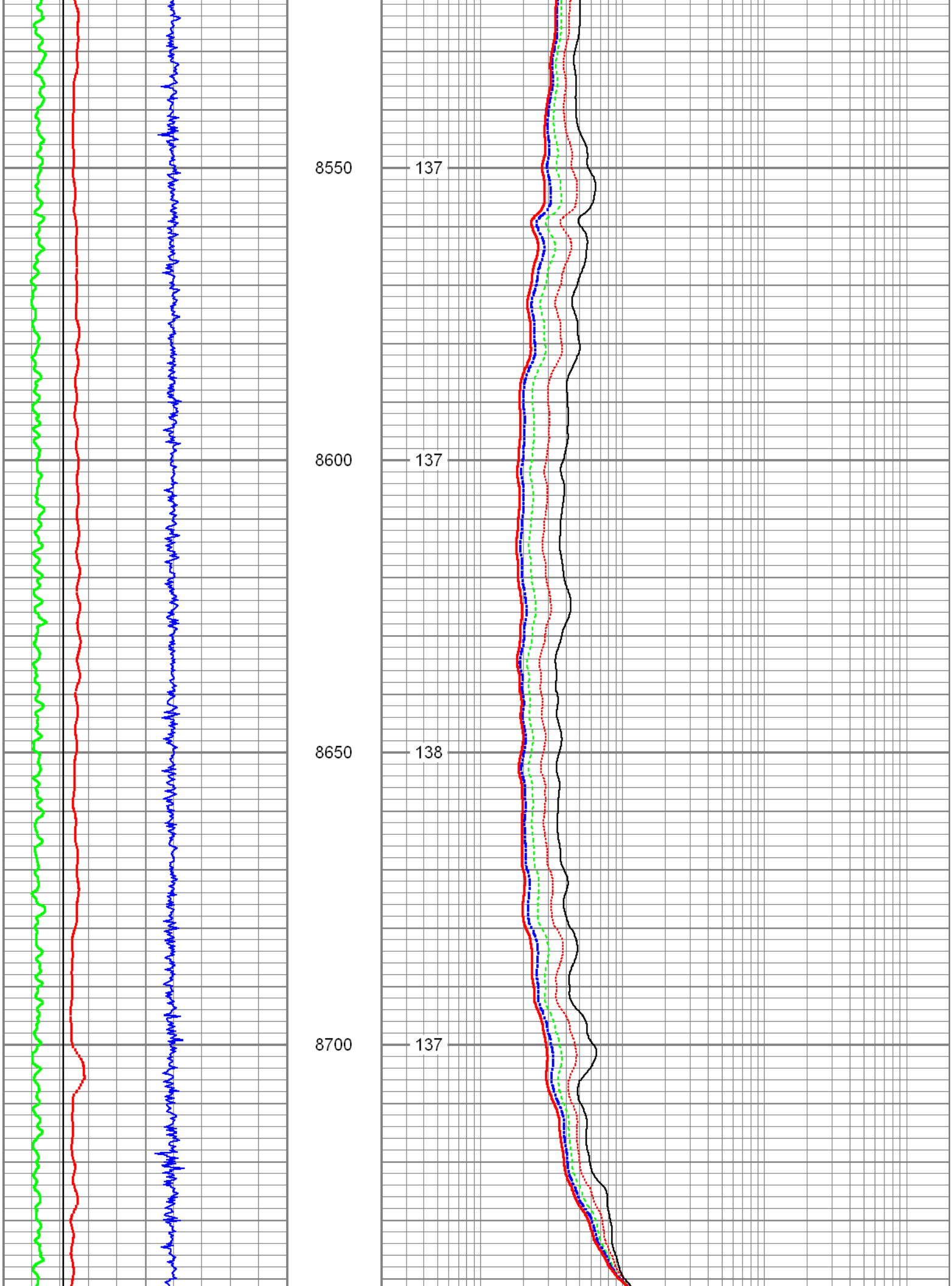
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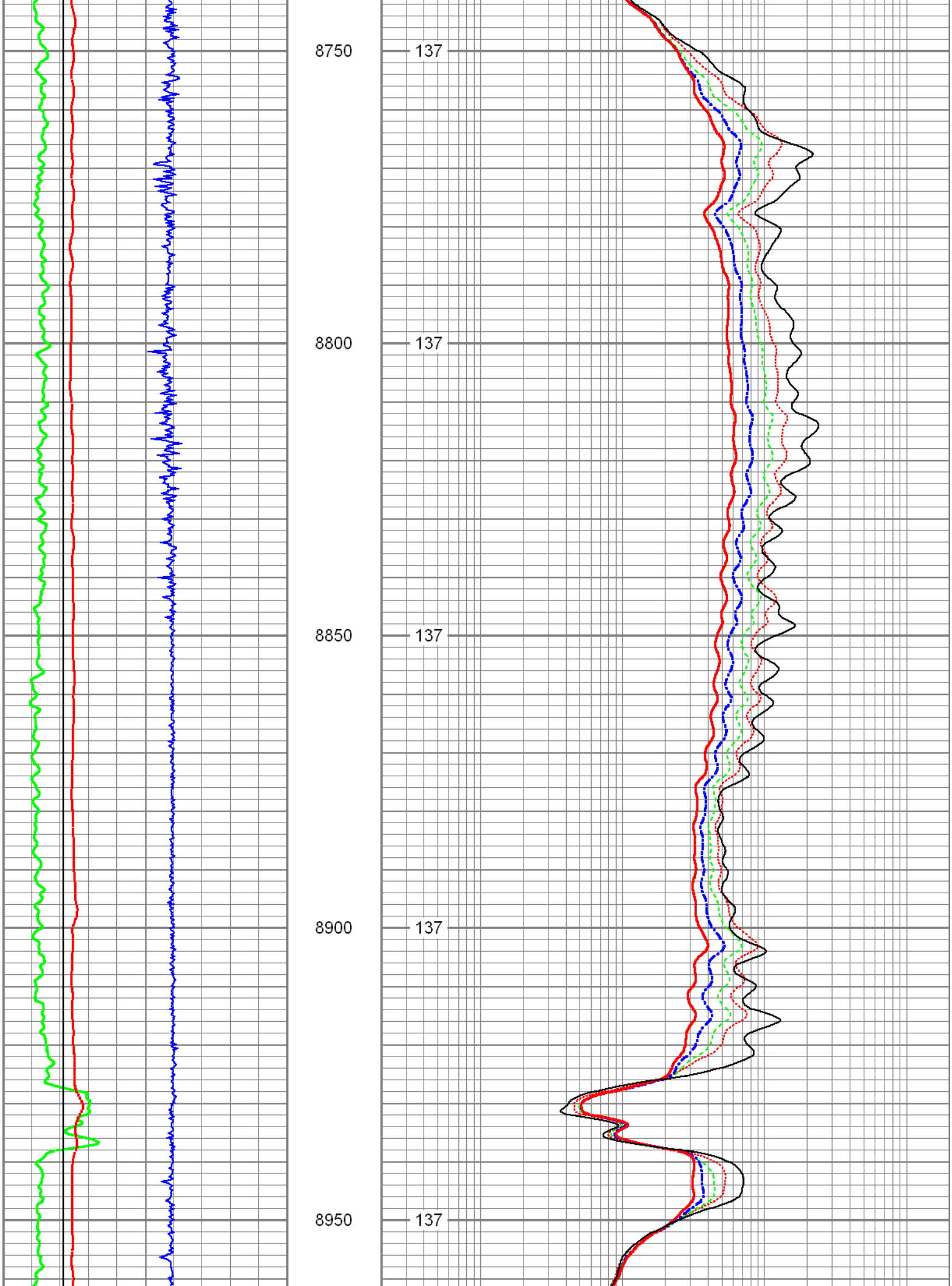
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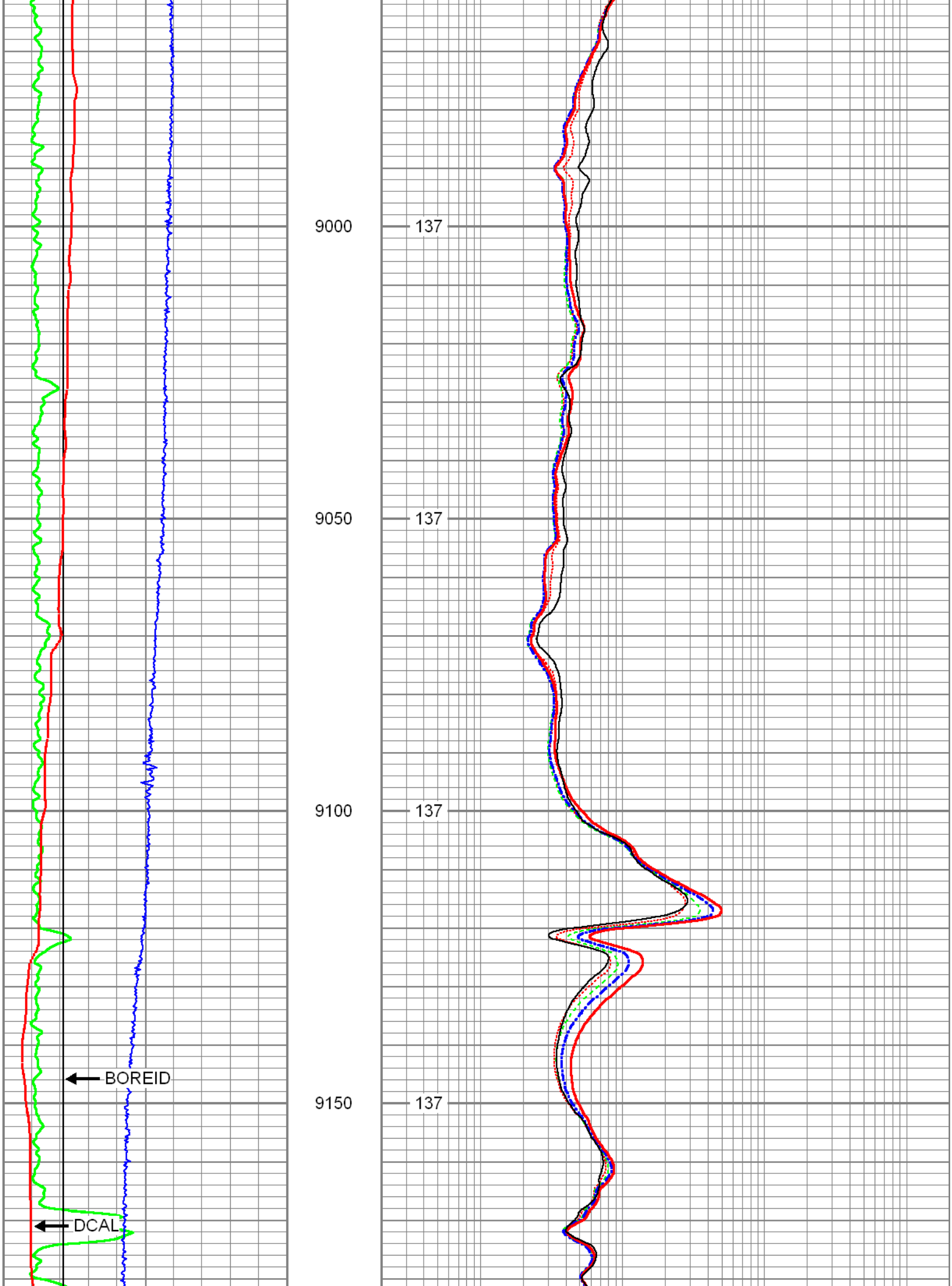
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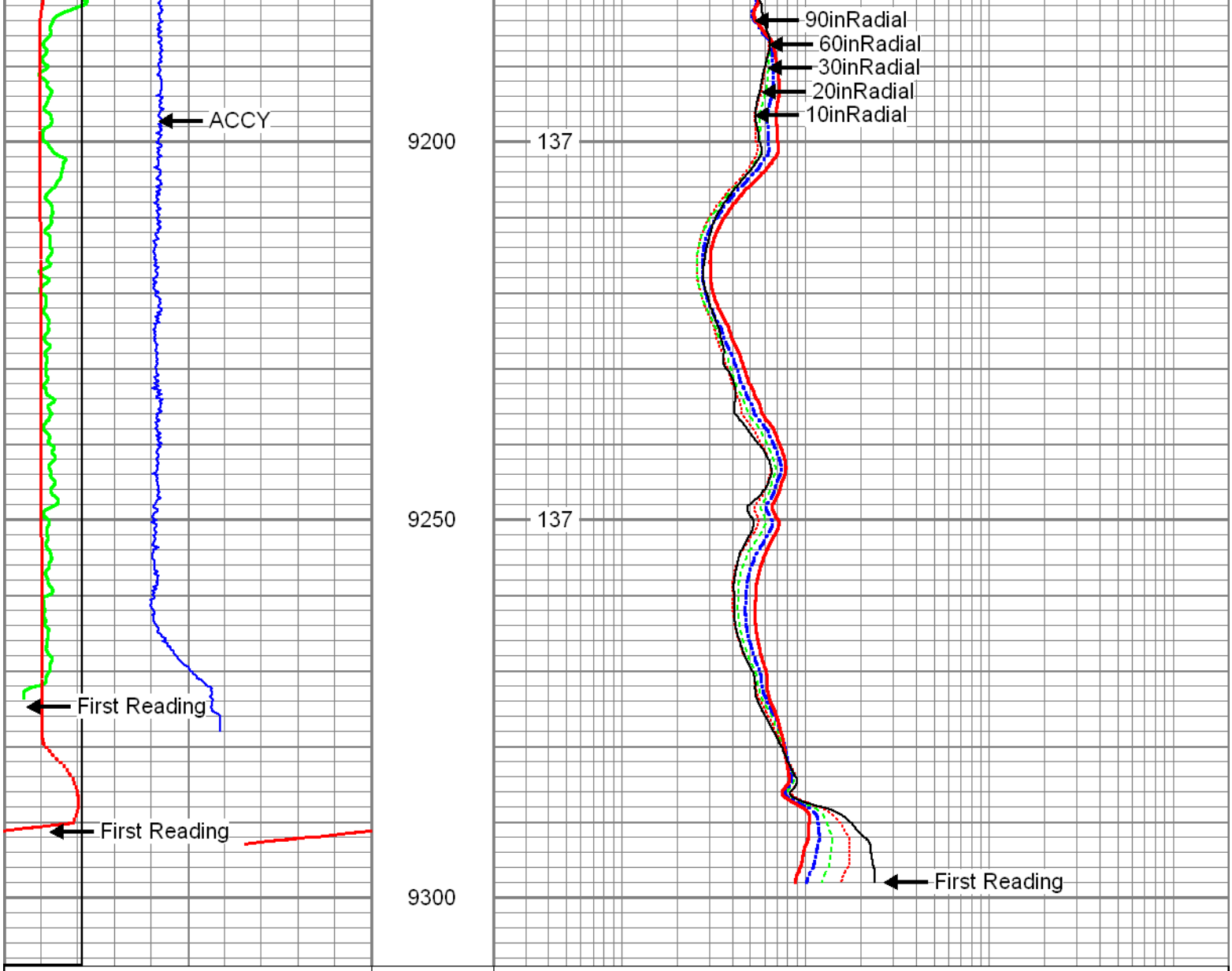
BOREID
DCAL



Log Variables

Database:C:\Warrior\Data\sandridge_schrock_1_1h_mem_ver2.db
Dataset: field/well/proc1/pass2

Top - Bottom

M	A	SZCOR	CASED?	NPORSEL	MudWgt lb/gal	FRMSALIN kppm
2	1	On	No	Limestone	8.4	0
MUDSALIN kppm	CEMWATERSA kppm	CMNTTHCK in	CASETHCK in	FLUIDDEN g/cc	MATRXDEN g/cc	SRFTEMP degF
1	0	0	0	1	2.71	65
RESTMPSRC	BHIDSRC	SO in	TOOLPOS	BHFL_TYPE	TMPCOR	LATNOR

INTERNAL	CURVE	in 0.5	Free	WBM	On	Off

BHCOR	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
On	4.5	0	9342	138	6.125

Calibration Report

Database File: sandridge_schrock_1_1h_mem_ver2.db
Dataset Pathname: proc1/pass2.1
Dataset Creation: Sun Sep 19 09:43:21 2010

ThruBit Induction Calibration Report

Serial-Model: 08-PS

Shop Calibration Performed: Wed Jun 02 10:16:17 2010

BaseLine

	R	X
Freq 1		
A1	-460.2050	211.6350
A2	-142.9910	213.4270
A3	-28.0846	38.7978
A4	-23.6835	191.6210
A5	-21.0238	118.2690
Freq 2		
A1	-238.2860	104.3300
A2	-93.6691	106.6520
A3	-21.1990	-29.1633
A4	-25.9947	29.0870
A5	-24.8755	-29.7261
Freq 3		
A1	-147.3850	-2.3914
A2	-71.4911	31.6092
A3	-17.3606	-82.7555
A4	-26.8641	-84.4510
A5	-27.0878	-140.4870
Freq 4		
A1	-76.1833	-174.5160
A2	-51.4557	-75.1214
A3	-14.0759	-169.2060
A4	-30.0385	-260.1180
A5	-33.6828	-330.1090

Calibration Coefficients

	R	X
Freq 1		
A1	0.9853	-0.0096
A2	0.9811	-0.0051
A3	0.9841	-0.0047
A4	0.9812	-0.0063
A5	0.9535	-0.0096

A5	0.9535	-0.0096
Freq 2		
A1	0.9846	-0.0059
A2	0.9805	-0.0035
A3	0.9828	-0.0035
A4	0.9766	-0.0038
A5	0.9474	-0.0099
Freq 3		
A1	0.9843	-0.0056
A2	0.9838	-0.0099
A3	0.9822	-0.0094
A4	0.9798	-0.0094
A5	0.9377	-0.0124
Freq 4		
A1	0.9792	-0.0100
A2	0.9771	-0.0099
A3	0.9769	-0.0074
A4	0.9711	-0.0062
A5	0.9394	-0.0093
Temperature	30.7553	

ThruBit Density Calibration Report

Serial-Model:	02-PS
Shop Calibration Performed:	Sat Sep 04 00:11:03 2010

References

	Density	Units
Aluminium	2.602	g/cc
Magnesium	1.715	g/cc

Readings

	Counts	Units
SS1 Background	131.82	cps
LS1 Background	148.78	cps
LS4 Background	30.86	cps
SS1 Aluminium	5849.25	cps
LS1 Aluminium	1021.51	cps
LS4 Aluminium	1187.37	cps
SS1 Magnesium	9532.08	cps
LS1 Magnesium	6637.78	cps
LS1 Al + Fe	875.40	cps
LS4 Al + Fe	517.79	cps

Results

SS Slope	1.78
LS Slope	0.44
PEF K Factor	3.485
PEF B Factor	-0.089

Compensated Neutron Calibration Report

Compensated Neutron Calibration Report

Serial Number:	10
Tool Model:	PS
Source Number:	
Calibration Tank Temperature:	0.0 degF

BACKGROUND MEASUREMENT

SS Counts	LS Counts
0.0	0.0

WATER TANK REFERENCE Mon Sep 13 10:36:15 2010

SS Counts		LS Counts	
0.0	cps	0.0	cps

Tank Ratio Ref		Tank Ratio		Tank Ratio Gain
30.9580	SS/LS	29.6013	SS/LS	1.0458

ALUMINUM SLEEVE REFERENCE

SS Counts		LS Counts	
0.0	cps	0.0	cps

Al Ratio Ref		Al Ratio		Al Ratio Gain
0.000	SS/LS	0.000	SS/LS	0.95

Sleeve Porosity	
0.00	pu

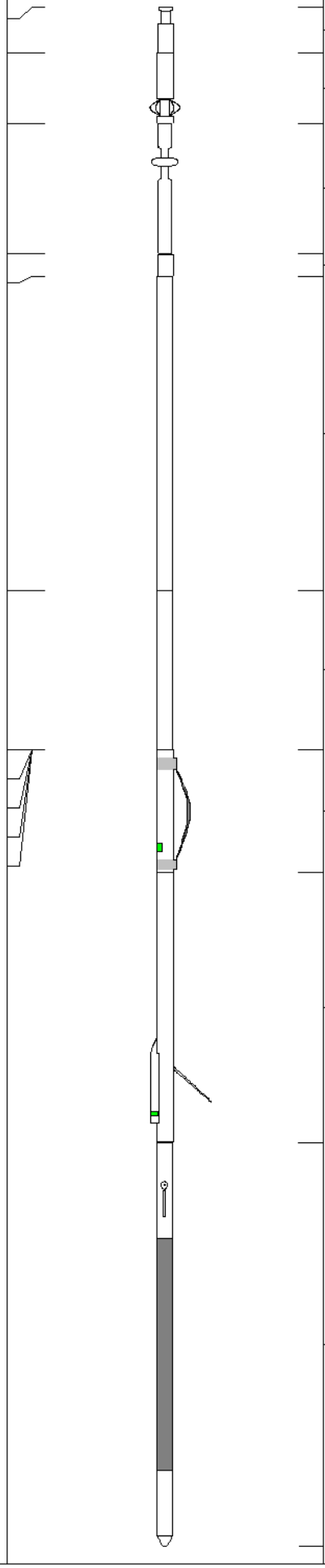
Gamma Ray Calibration Report

Serial Number:	05	
Tool Model:	PS	
Performed:	Sun Sep 19 00:53:46 2010	
Calibrator Value:	162.7	GAPI
Background Reading:	74.9	cps
Calibrator Reading:	442.1	cps
Sensitivity:	0.3750	GAPI/cps

Inclinometer Calibration Report

Performed: Sun Jun 13 14:33:21 1993

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer					

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
Thrubit	59.50		Cablehead Thrubit 10 to 1 Cablehead	1.79	2.13	5.00
Thrubit	57.71		Small_Release Thrubit Small Release Tool	2.75	1.69	20.00
Thrubit	54.96		HangOff_Tool Thrubit Hang Off Tool	5.00	2.45	60.00
Thrubit	49.96		10-1 Thrubit 10 to 1 Crossover	0.88	2.13	3.95
TBBAT	49.08		TBBAT-A (1) Thrubit Battery	12.17	2.13	38.20
TMG	36.92		TMG-PS (05) ThruBit Telemetry Gamma Ray	6.13	2.13	45.00
ACCX	30.79		TBN-PS (10) ThruBit Neutron	4.76	2.13	63.00
ACCY	30.79					
ACCZ	30.79					
GRHEADV	30.79					
DHTEN	30.79		TBD-PS (02) Thrubit Density	10.47	2.13	94.00
			TBI-PS (08) Thrubit Induction	15.56	2.13	84.05

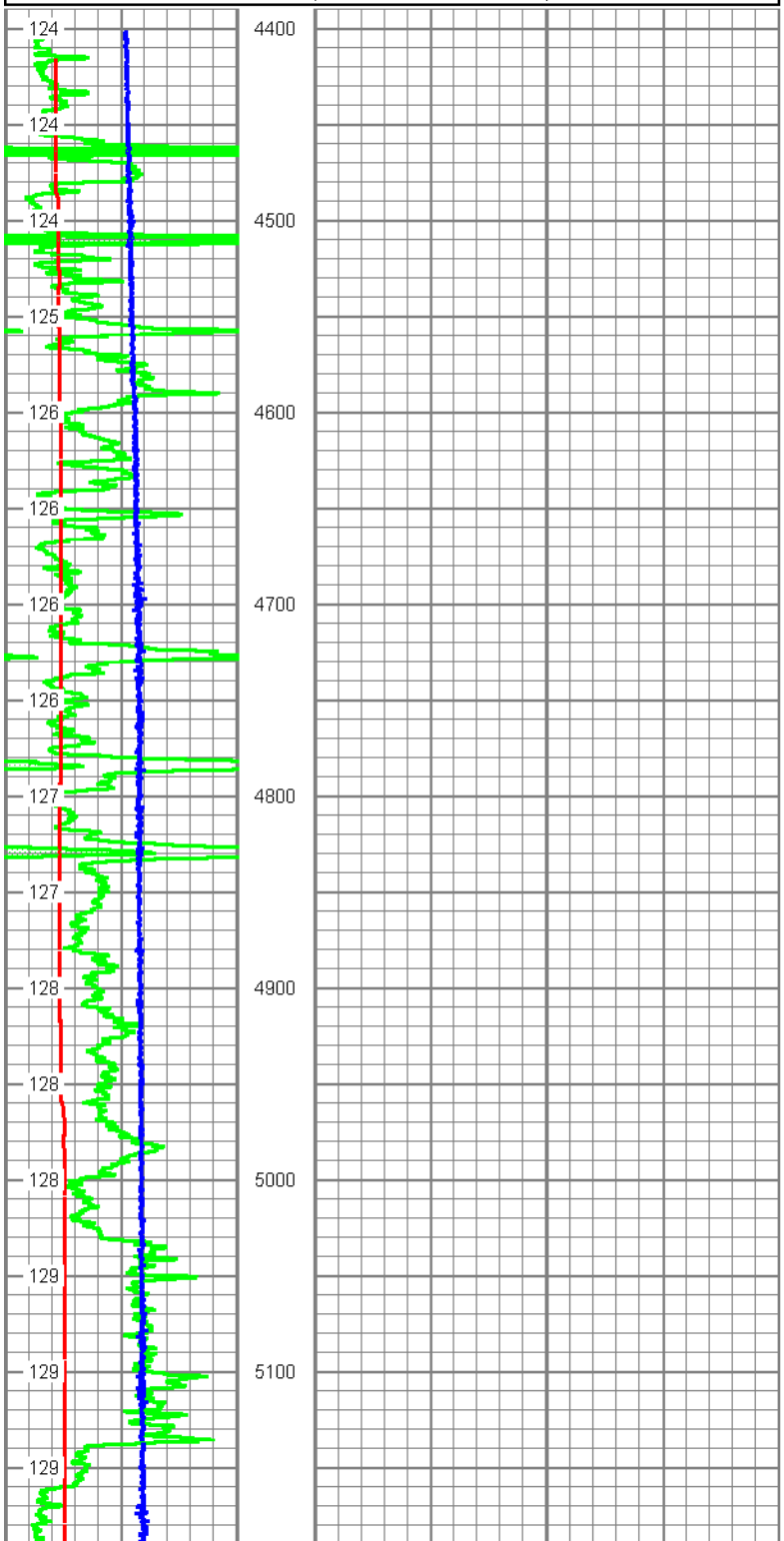
Dataset: sandridge_schrock_1_1h_mem_ver2.db: field/well/proc1/pass1.3
Total Length: 59.50 ft
Total Weight: 413.20 lb
O.D. 2.45 in

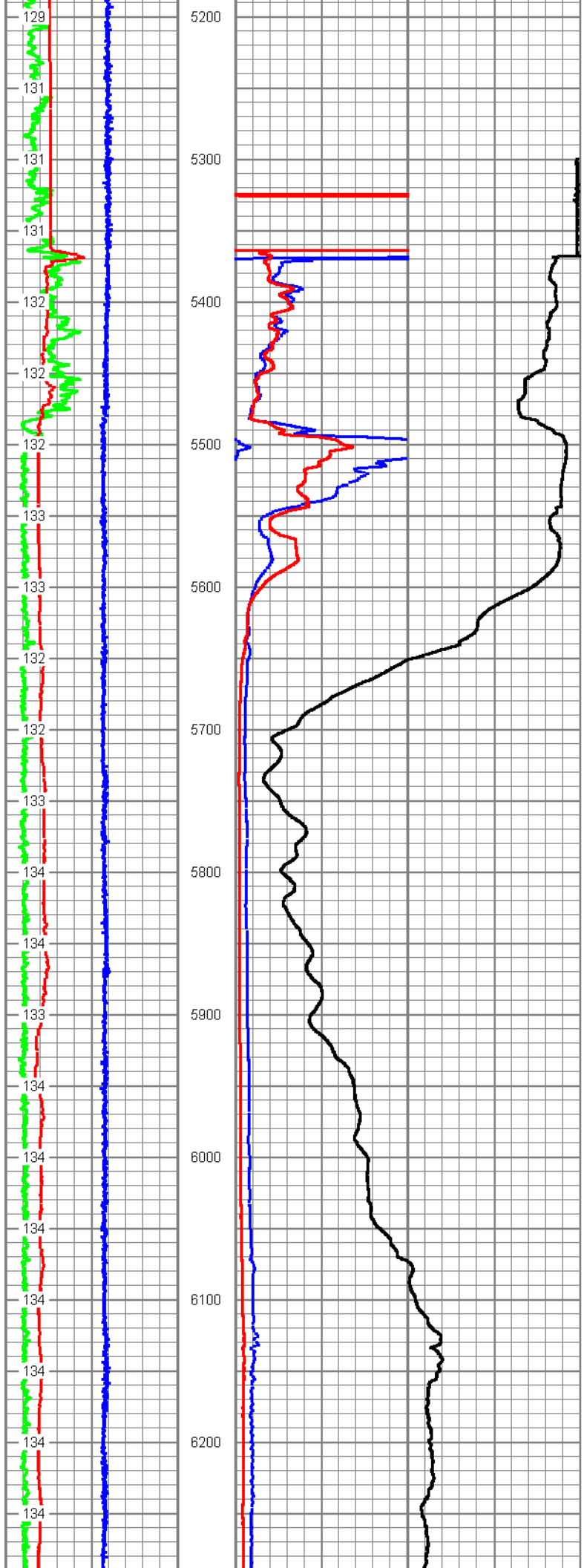
MAIN PASS

Database File:	sandridge_schrock_1_1h_mem_ver2.db
Dataset Pathname:	proc1/pass2.1
Presentation Format:	chespk1r
Dataset Creation:	Sun Sep 19 09:43:21 2010
Charted by:	Depth in Feet scaled 1:1200

0	GR (GAPI)	150
4	DCAL (in)	14
-5	ACCY	5
GRTEMP (degF)		

	20in 2ft Res	
50	(Ohm-m)	500
	90in 2ft Res	
50	(Ohm-m)	500
1000	DEEP COND (Ohm-m)	0
	20in 2ft Res	
0	(Ohm-m)	50
	90in 2ft Res	
0	(Ohm-m)	50

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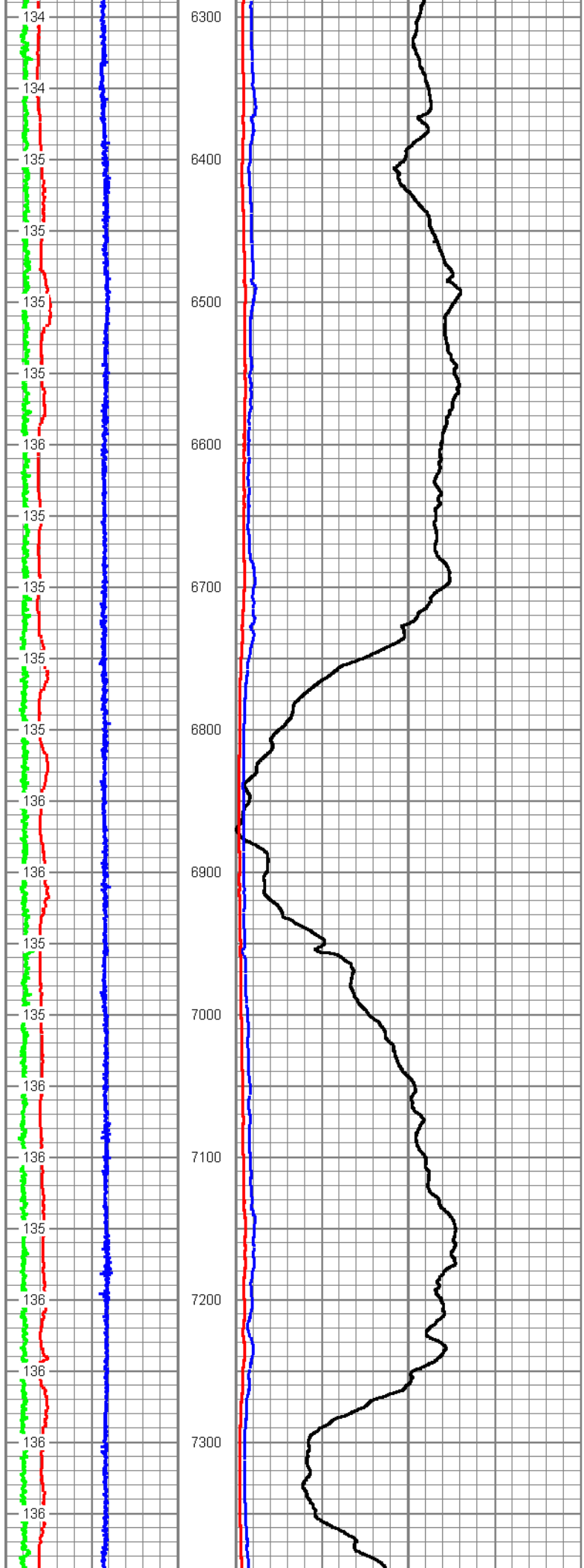
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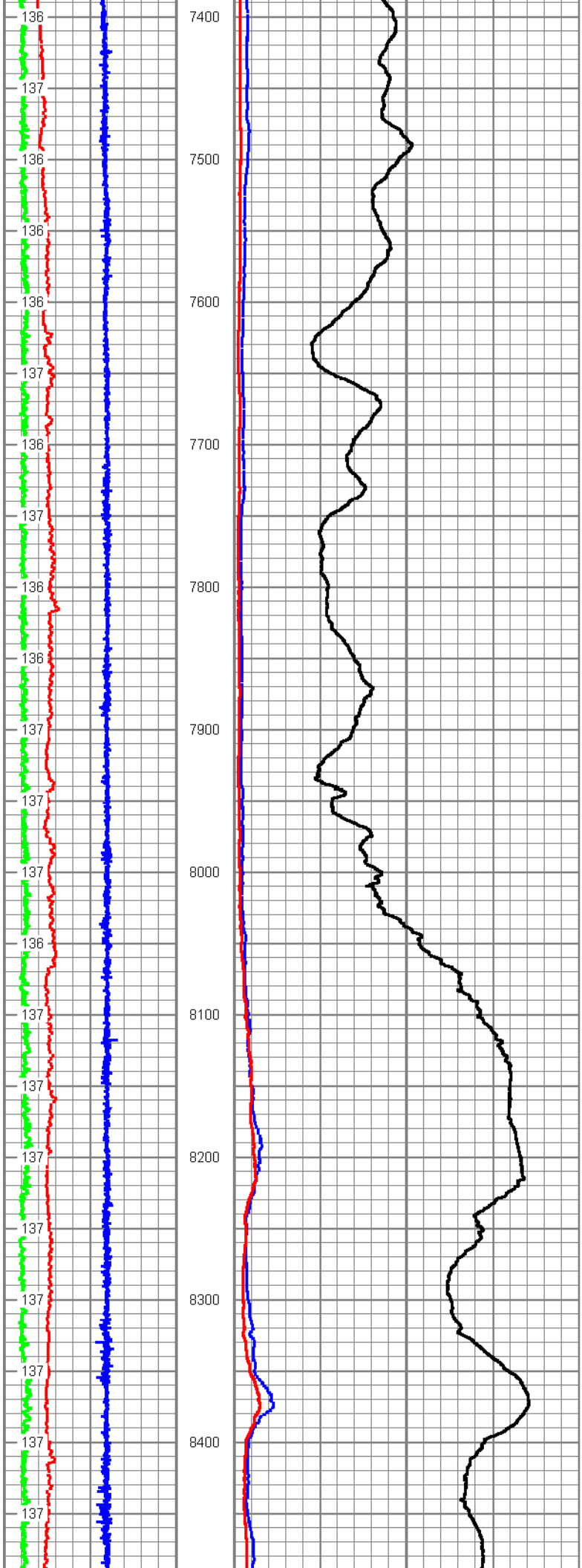
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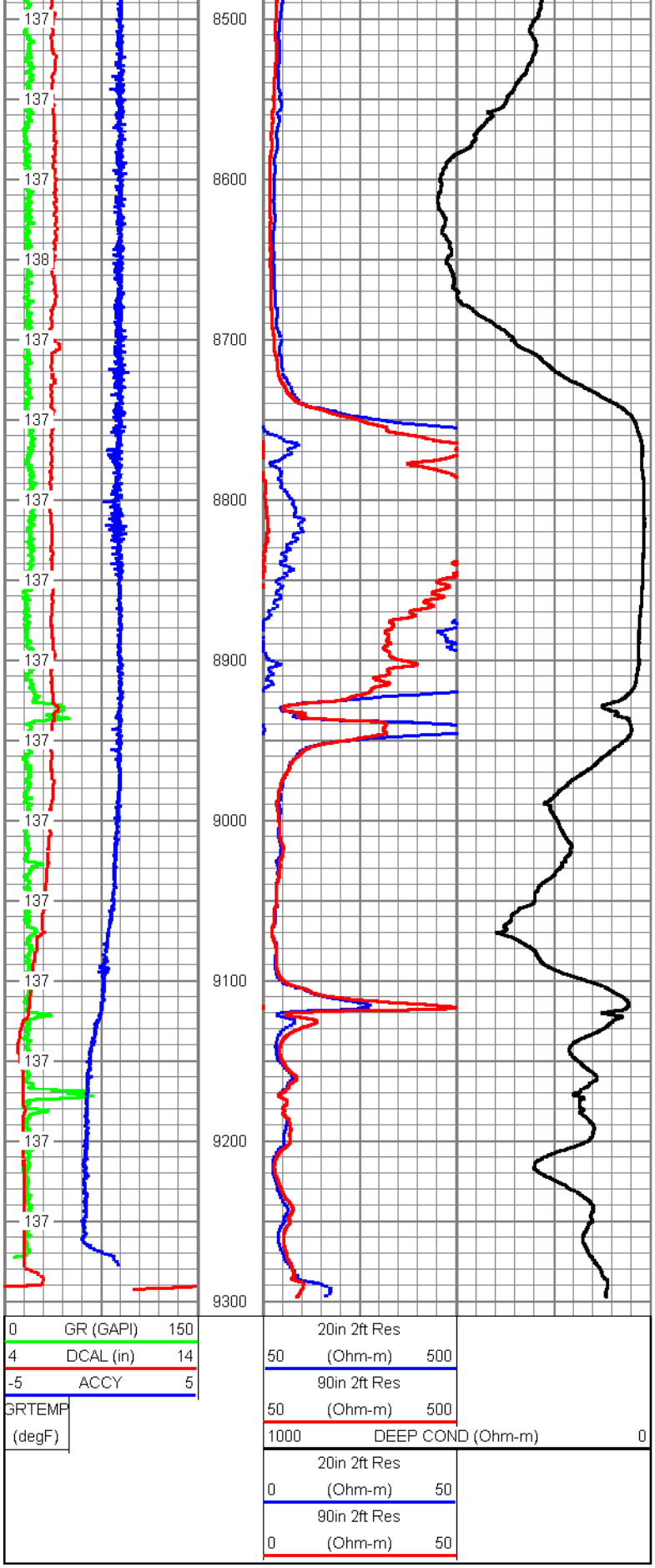


ThruBit

Company	SANDRIDGE ENERGY, INC
Well	SCHROCK 1-1H
Field	WALDRON WEST

LOGGING SOLUTIONS

County	BARBER
State	KANSAS

ThruBit
LOGGING SOLUTIONS

MEMORY LOG
SPECTRAL DENSITY
DUAL SPACED NEUTRON
GAMMA RAY

Company SANDRIDGE ENERGY, INC
Well SCHROCK 1-1H
Field WALDRON WEST
County BARBER
State KANSAS

Company SANDRIDGE ENERGY, INC
Well SCHROCK 1-1H
Field WALDRON WEST
County BARBER State KANSAS
Location: API # : 15-007-23587-01-00
165' FSL & 660' FWL
SEC 1 TWP 35S RGE 11W
Permanent Datum G.L. Elevation 1351'
Log Measured From K.B. 23' ABOVE PERM DATUM
Drilling Measured From K.B.

Other Services
THRUBIT
PORTAL BIT

Elevation
K.B. 1374'
D.F. 1374'
G.L. 1351'

Date	9-19-10			
Run Number	TWO			
Depth Driller	9342			
Depth Logger	9298			
Bottom Logged Interval	9298			
Top Log Interval	4400			
Casing Driller	7.0" @ 5380'			
Casing Logger	5364			
Bit Size	6.125			
Type Fluid in Hole	WBM			
Density / Viscosity	8.4 / 27			
pH / Fluid Loss	N/A			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	4.33 ohms @ 77 degf			
Rmf @ Meas. Temp	3.25ohms @ 77 degf			
Rmc @ Meas. Temp	5.41 ohms @ 77 degf			
Source of Rmf / Rmc	CALCULATED			
Rm @ BHT	2.51 ohms @ 138 degf			
Time Circulation Stopped	00:30 AM 9-19-10			
Time Logger on Bottom	01:30 AM 9-19-10			
Maximum Recorded Temperature	138 DEGF			
Equipment Number	T005			
Location	OKC, OK			
Recorded By	DENGLER			
Witnessed By	P. WALDRIDGE			

<<< Fold Here >>>

Comments

ALL SCALES AND PRESENTATIONS PER CLIENT REQUEST
LIMESTONE MATRIX, 2.71 g/cc, USED FOR POROSITY MEASUREMENTS
TOOLS RAN SLICK (NO CENTRALIZERS, BOWSPRINGS OR STANDOFFS)
TBHV REPRESENTS TOTAL BOREHOLE VOLUME, ft3
ABHV REPRESENTS ANNULAR BOREHOLE VOLUME, ft3, CALCULATED FOR 4.5" CASING
CORRELATED TO THRUBIT LOGGING ARRAY INDUCTION LOG DATE 11 SEPT 2010
TOOL ROLLED COMING OFF BOTTOM CAUSING A PROBLEM WITH DENSITY DATA ON BOTTOM 300'

RIG: KEEN # 26
CREW: J.DENGLER
R. DENTON, T.DENNIS

Service Ticket No. 299 API No. 15-007-23587--01-00 PGM Ver WARRIOR 7.0

The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client

EQUIPMENT DATA

GAMMA RAY	NEUTRON	DENSITY	INDUCTION

Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	ONE
Serial No.	PS5T	Serial No.	PS10N	Serial No.	PS2D	Serial No.	PS8R
Model No.	TMG	Model No.	TBN	Model No.	TBD	Model No.	TBI
Diameter	2.125"	Diameter	2.125"	Diameter	2.125"	Diameter	2.125"

LOGGING DATA

General Data

Pass	Depths		Well Head	Speed	Logging Run Comments
No.	From	To	Pressure	Ft/Min	
ONE	9298	4390	0	30	

Pass	Scale		Scale		Scale		Scale	
No.	L	R	L	R	L	R	L	L
ONE	0	150	30%	-10%	30%	-10%	0.2	2000

DIRECTIONAL INFORMATION

Maximum Deviation	93.0	deg. @	6682	KOP	4148	

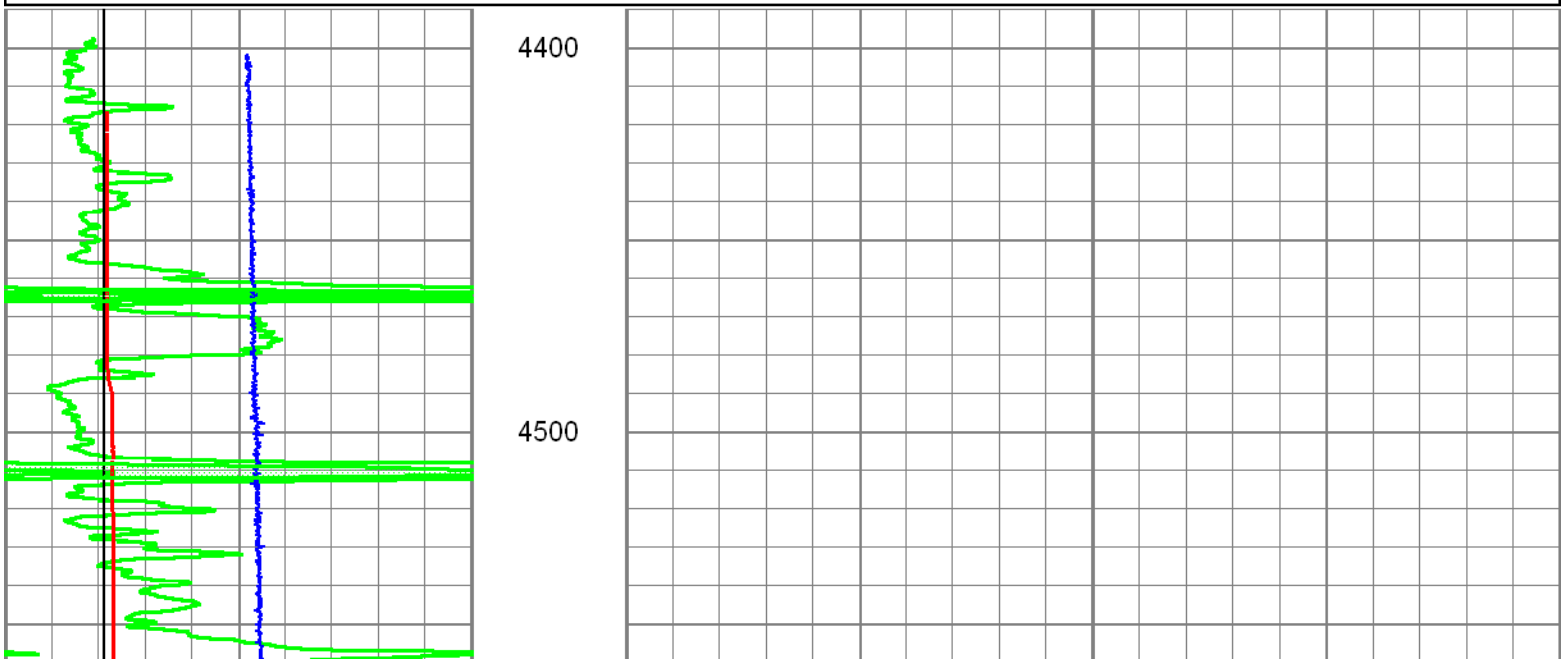
ThruBit LOGGING SOLUTIONS

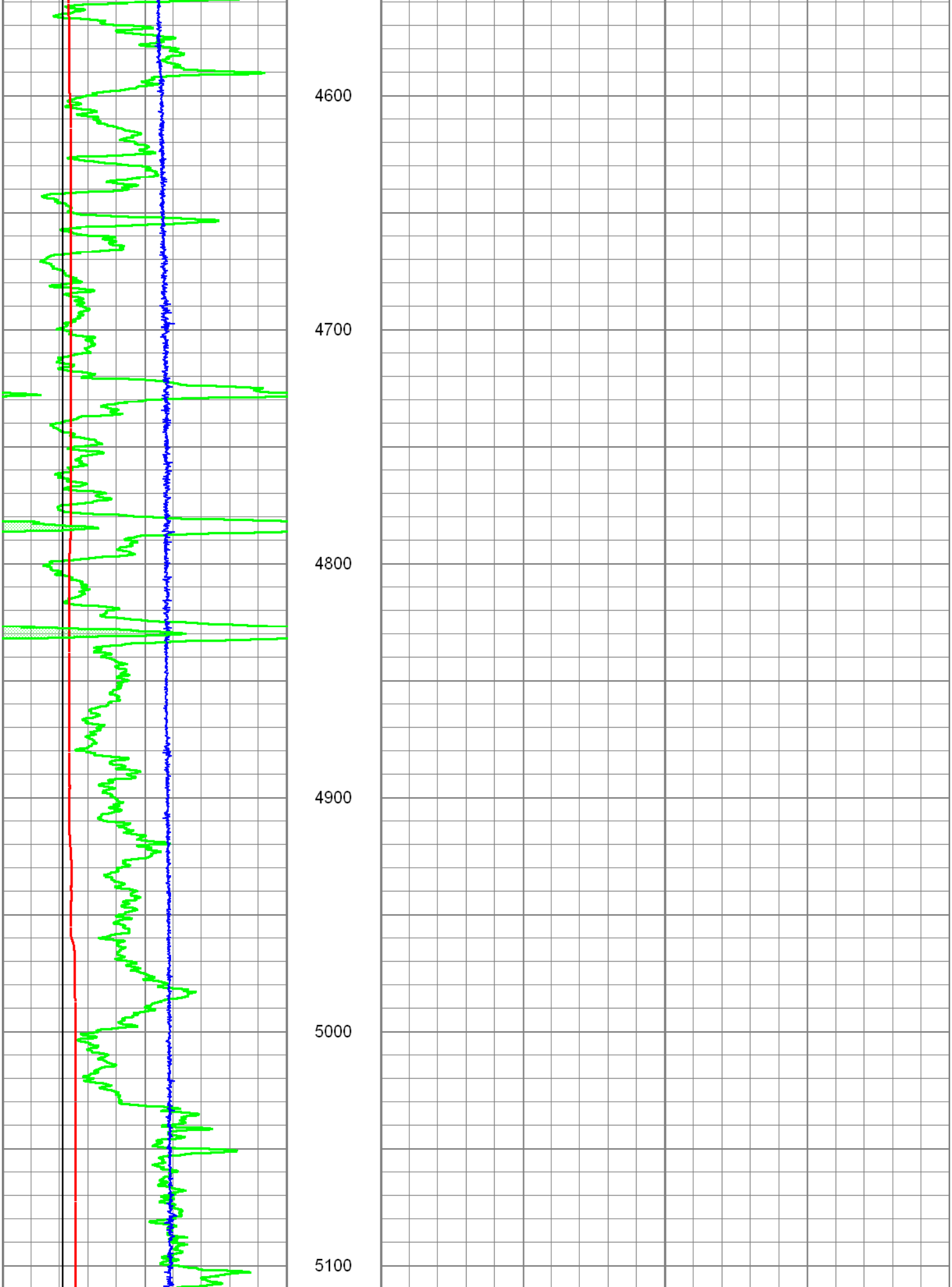
MAIN PASS

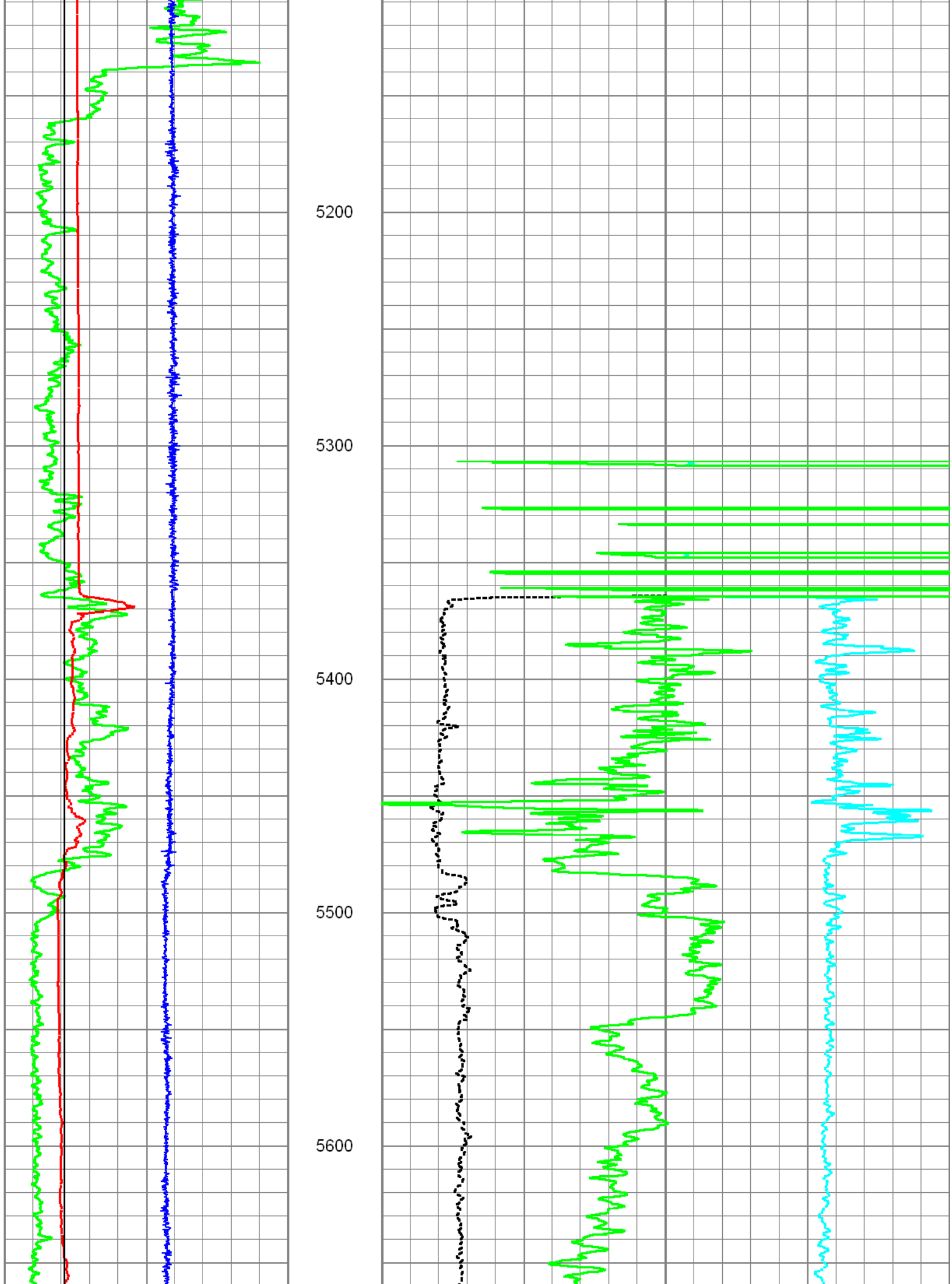
Database File: sandridge_schrock_1_1h_mem_ver2.db
Dataset Pathname: proc1/pass2.1
Presentation Format: chespk2n
Dataset Creation: Sun Sep 19 09:43:21 2010
Charted by: Depth in Feet scaled 1:600

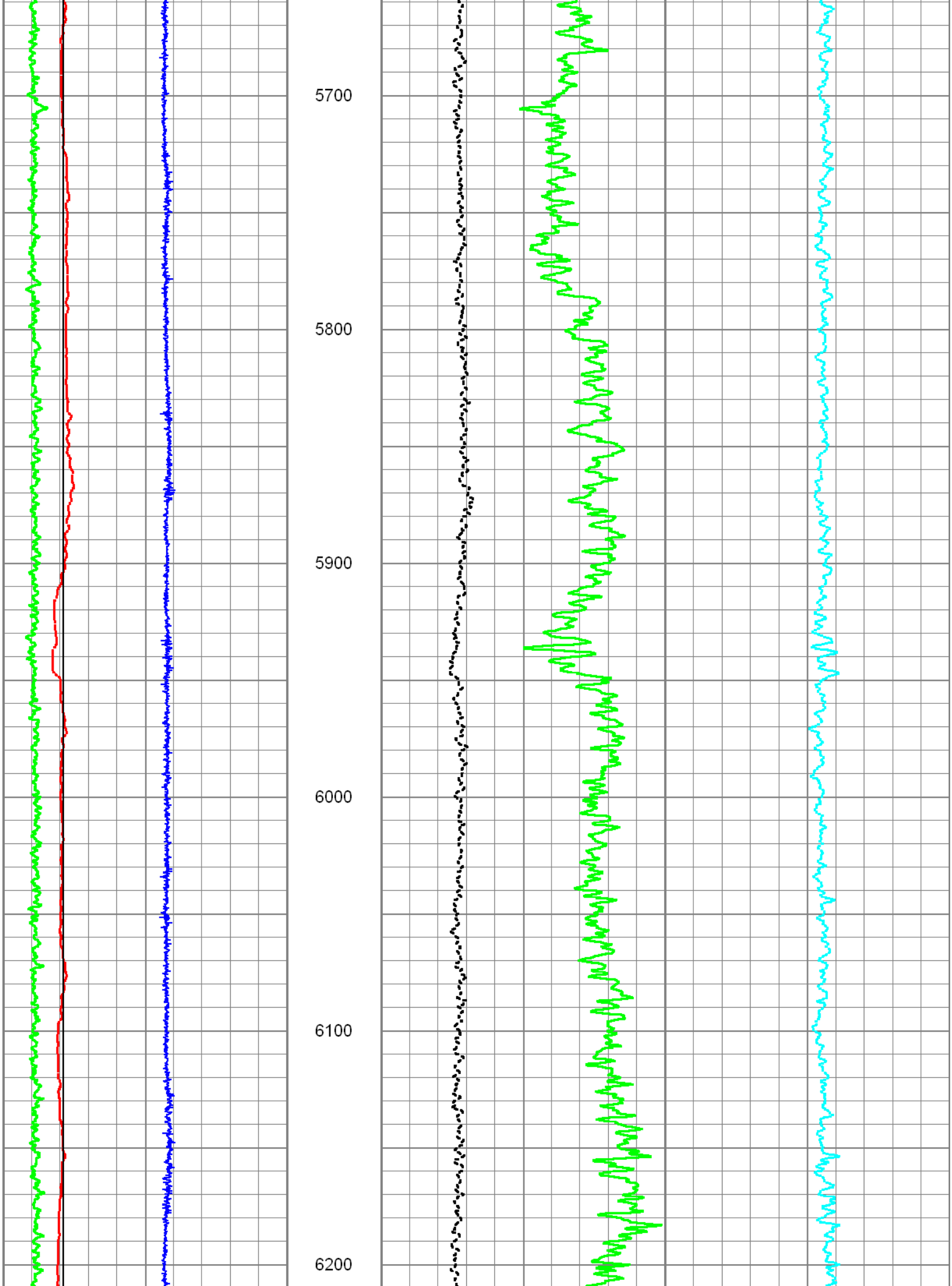
0	GR (GAPI)	150
4	DCAL (in)	14
4	BOREID (in)	14
-5	ACCY	5

0	PEF (barn)	10	-0.5	DRHO (g/cc)	0.5
2	RHOB (g/cc)	3			




4600
4700
4800
4900
5000
5100


5200
5300
5400
5500
5600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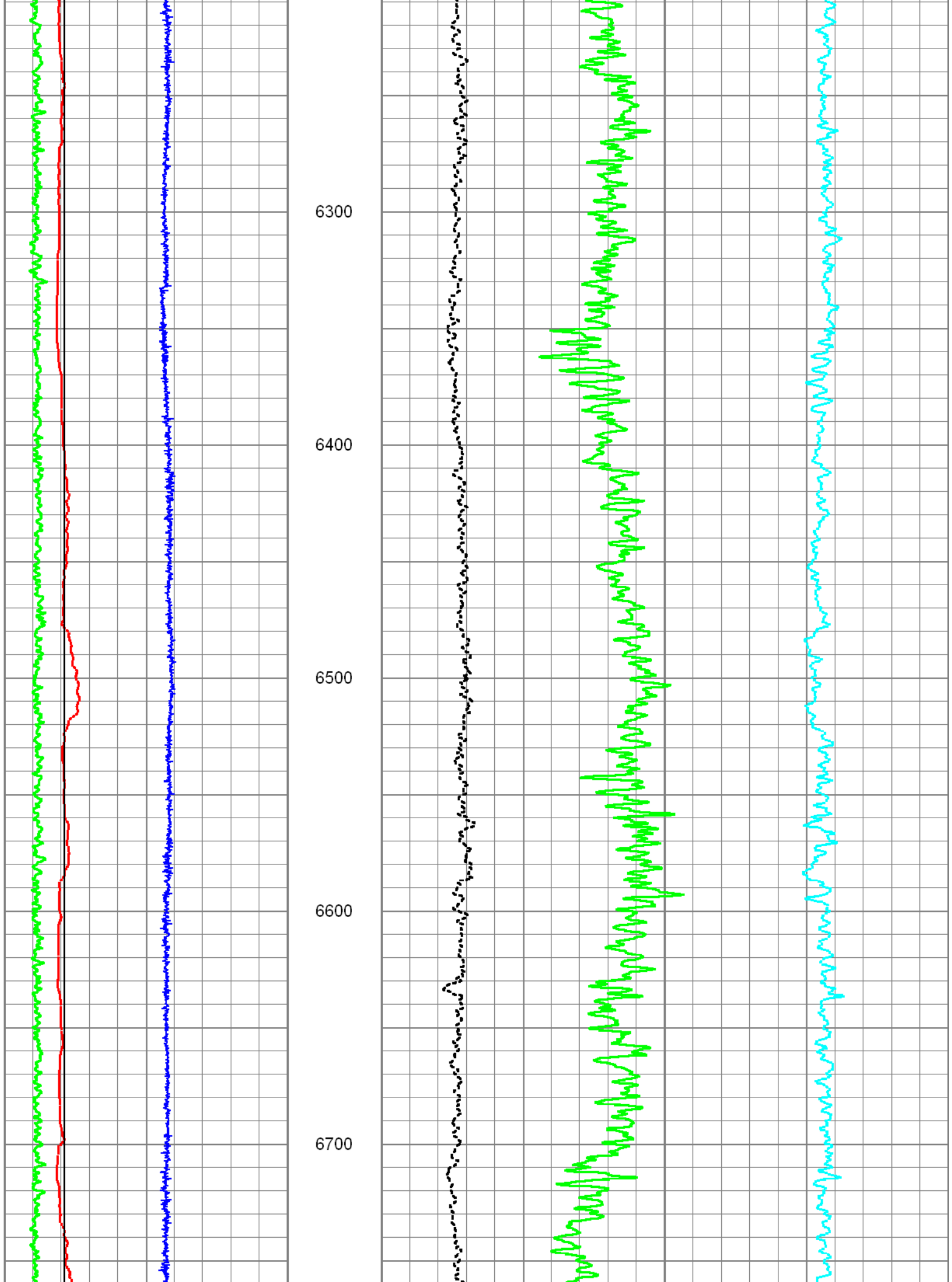
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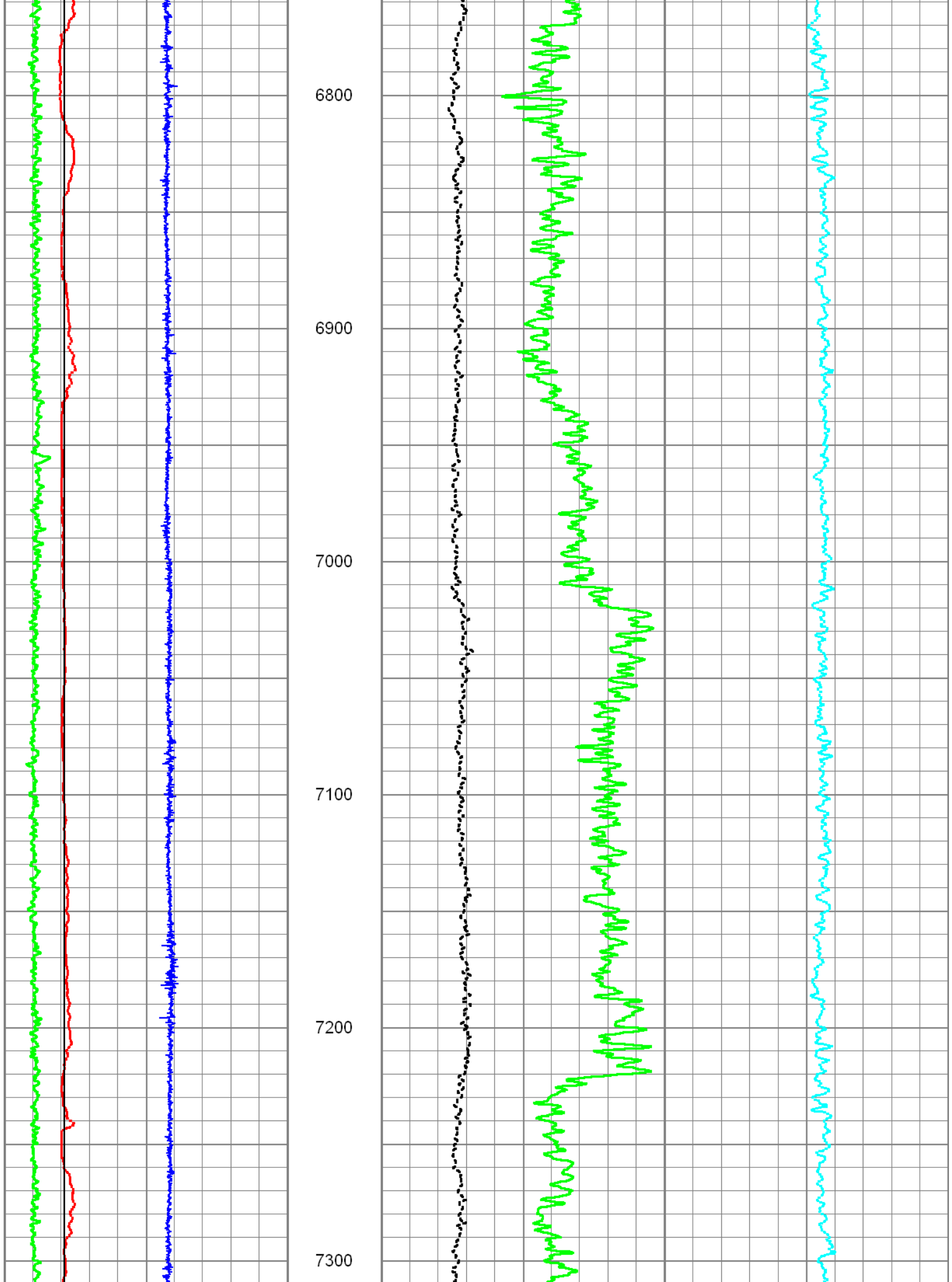
6400
6500
6600
6700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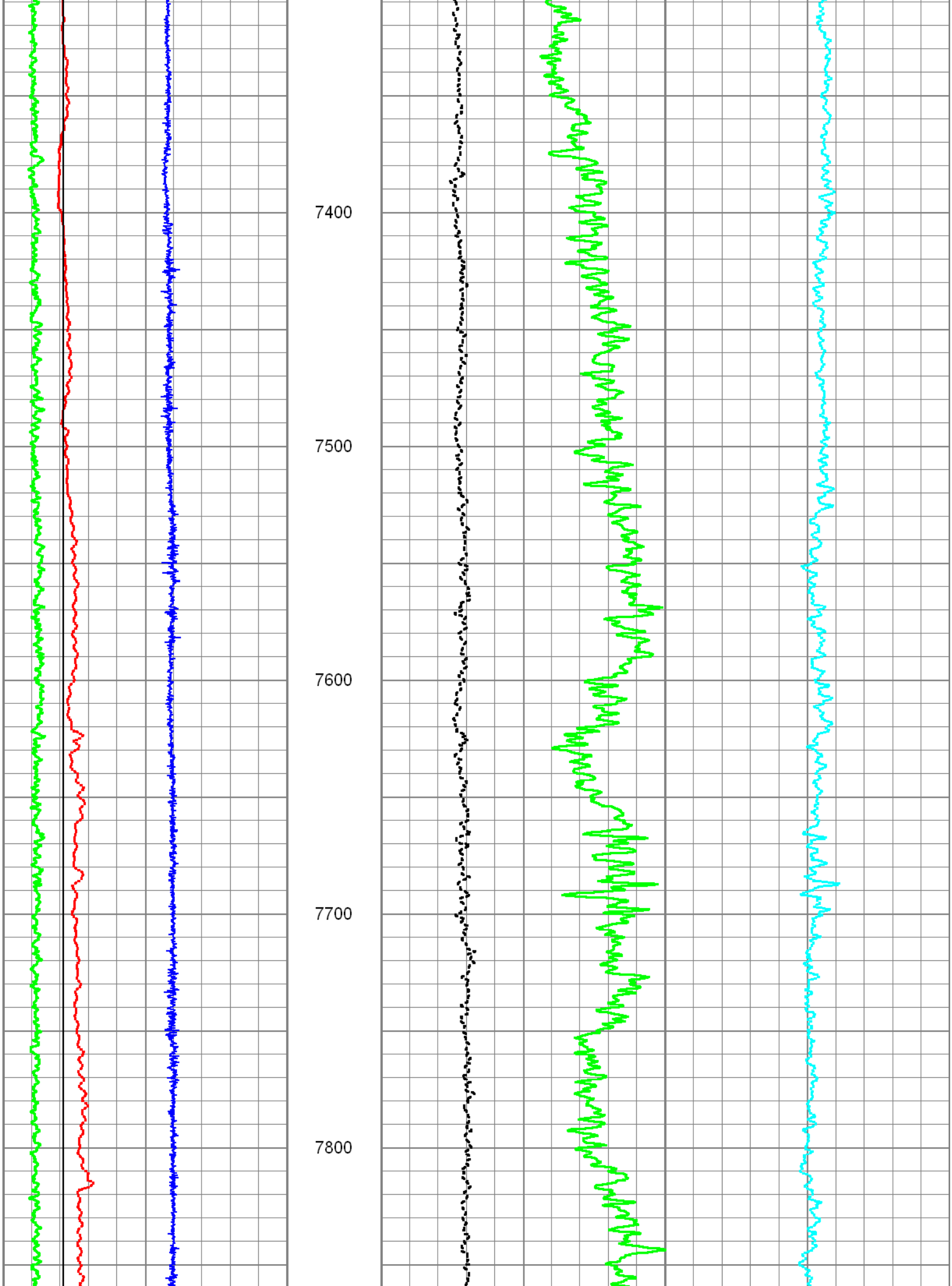
7300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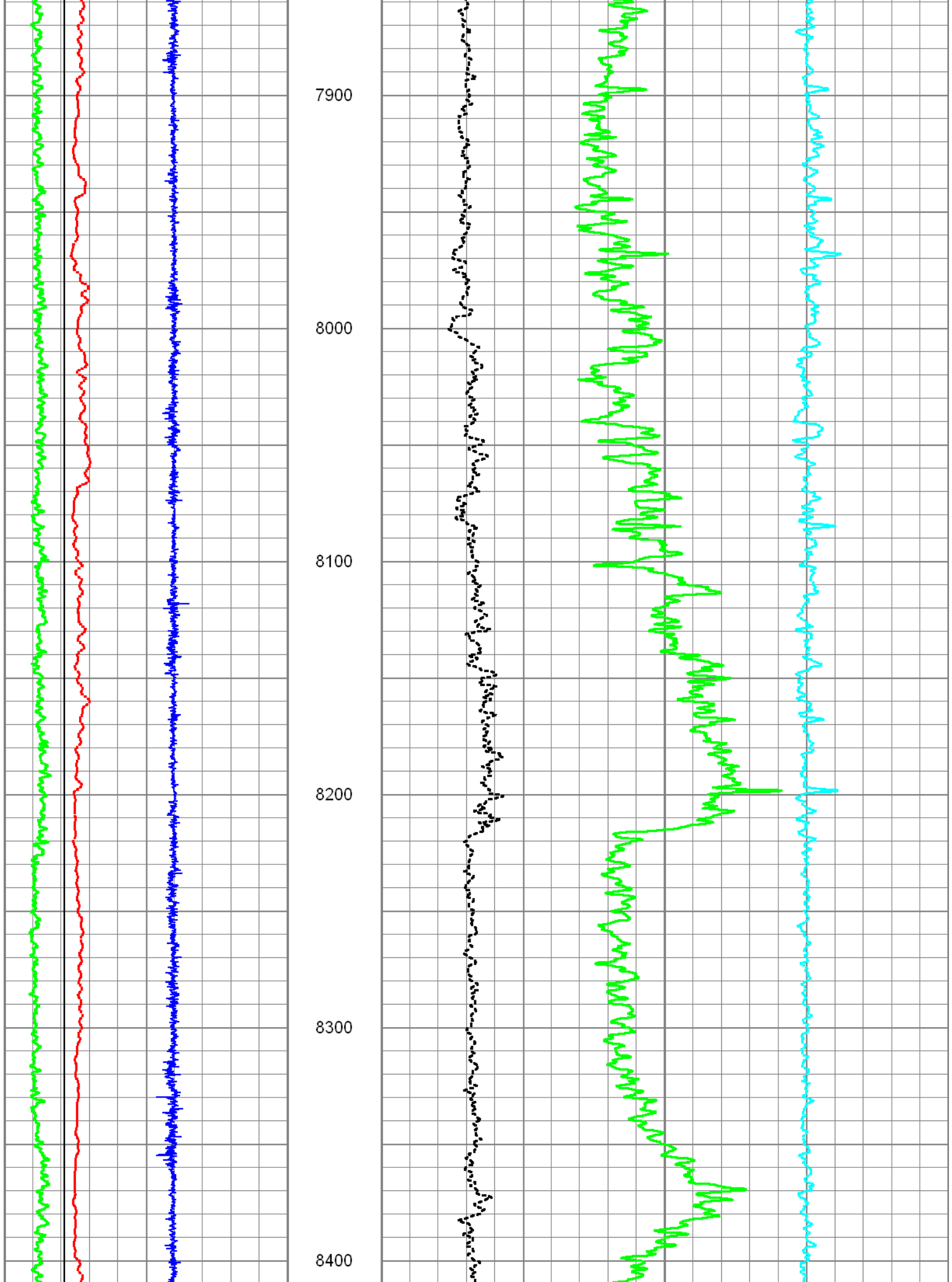
7800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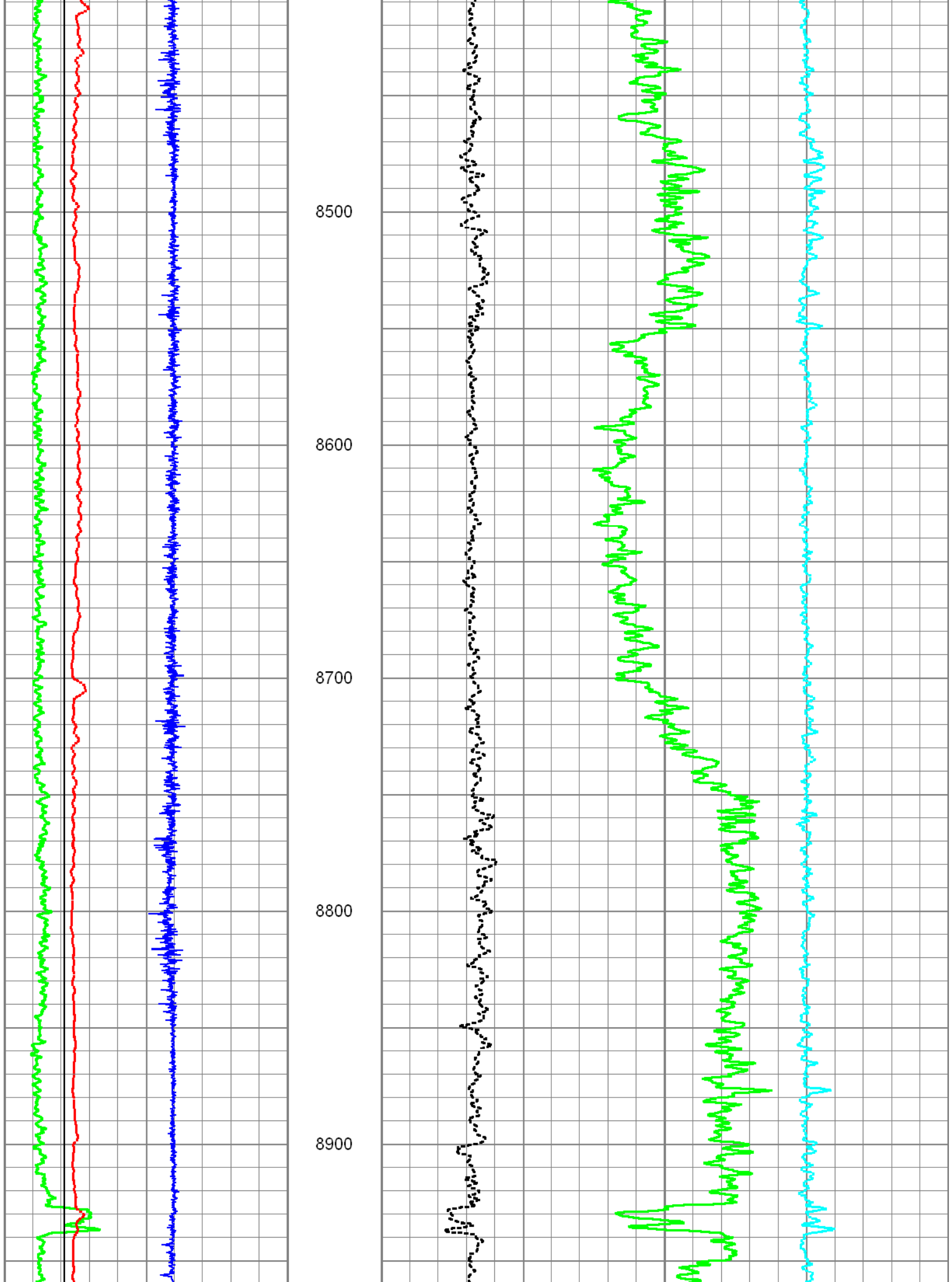
8400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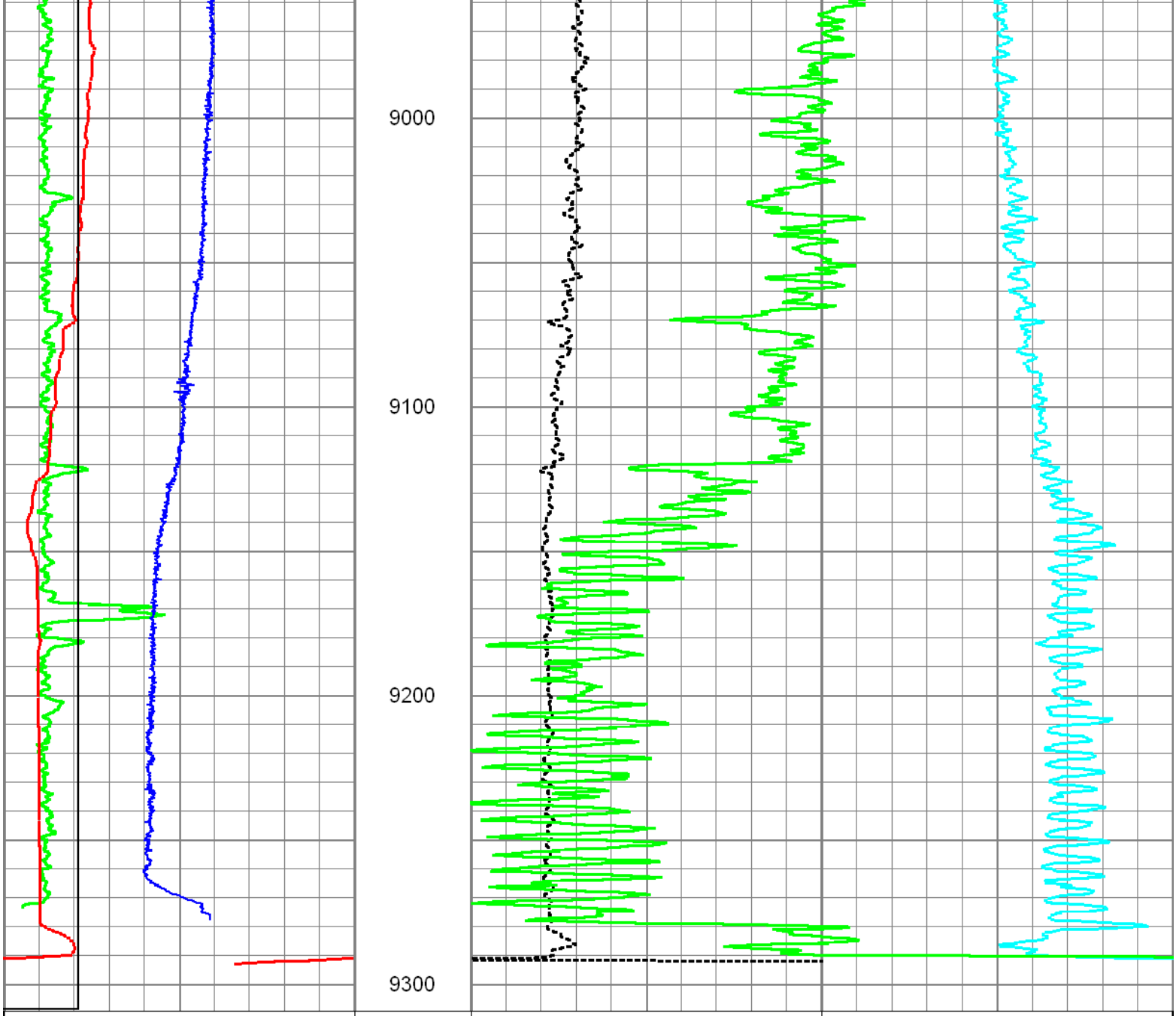
8900



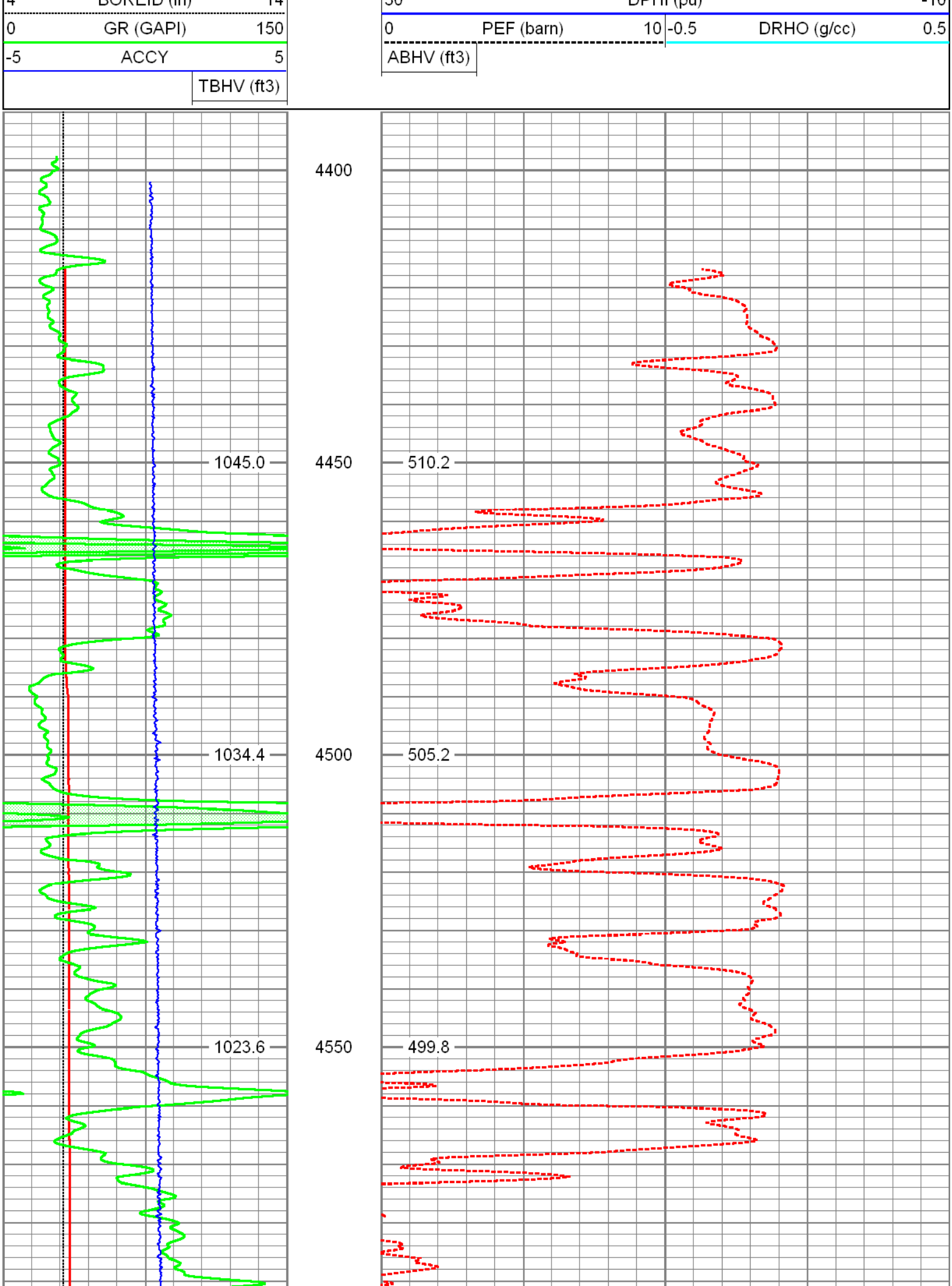
ThruBit LOGGING SOLUTIONS

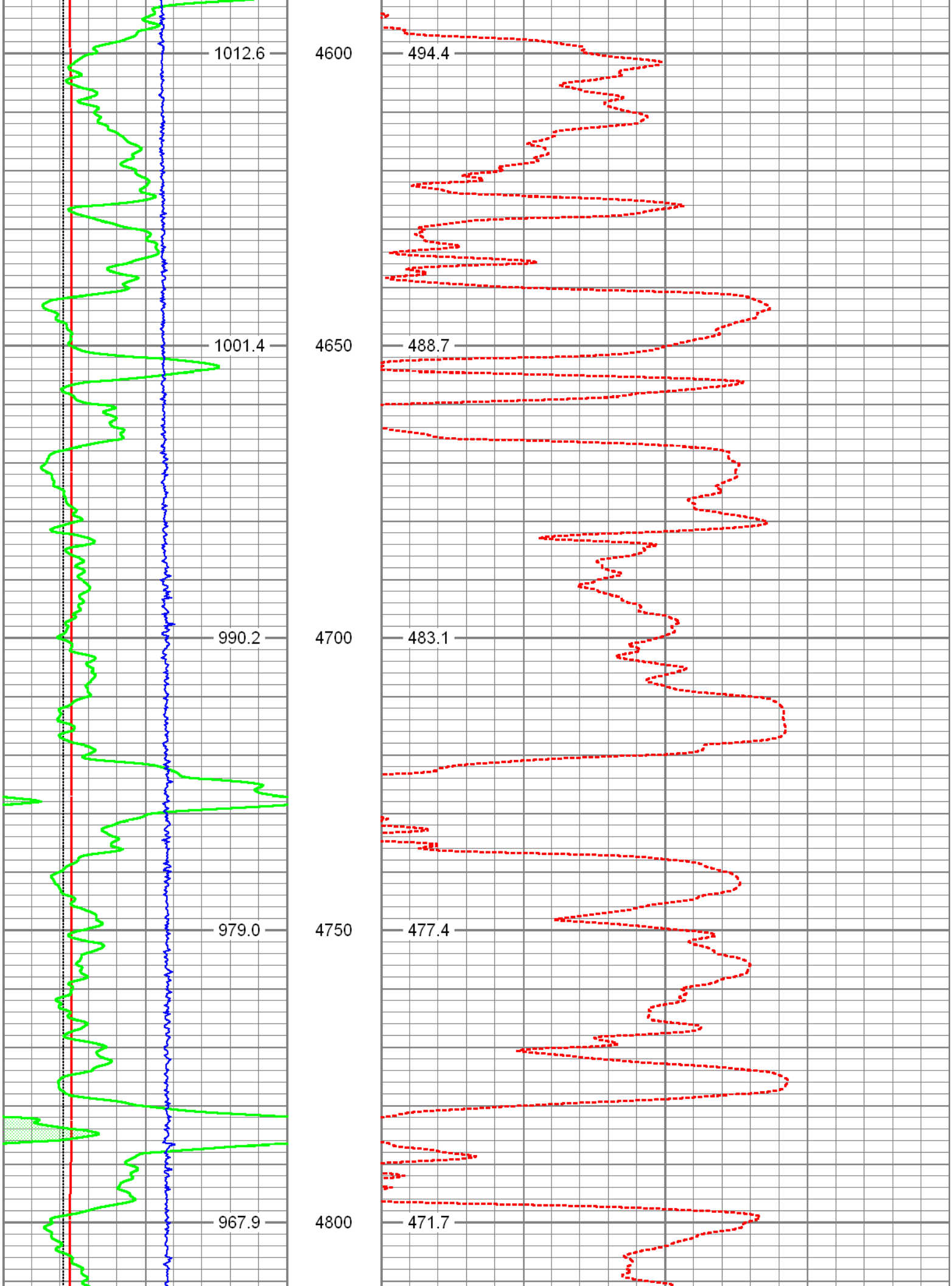
MAIN PASS

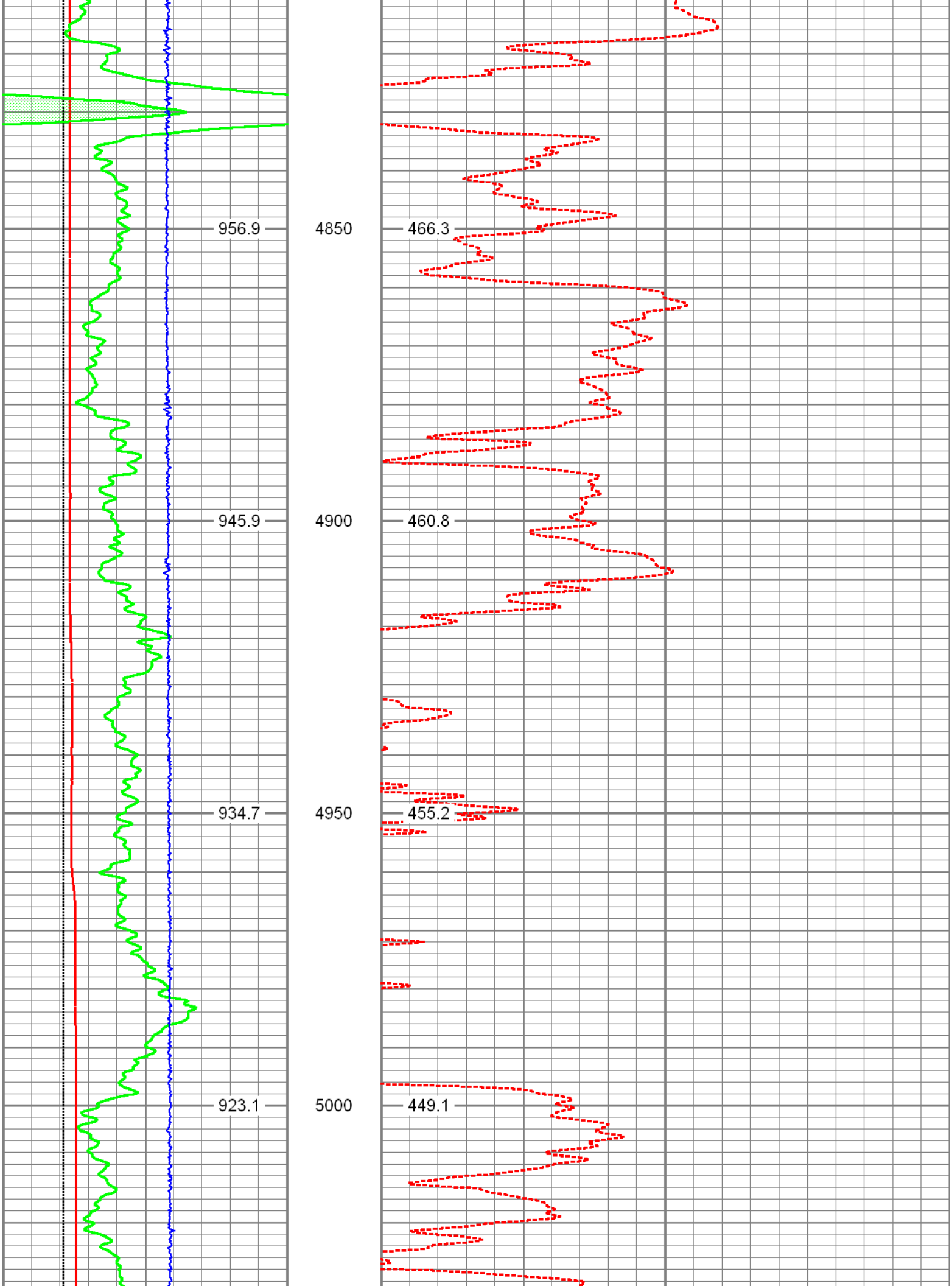
Database File:	sandridge_schrock_1_1h_mem_ver2.db
Dataset Pathname:	proc1/pass2.1
Presentation Format:	chespk5n
Dataset Creation:	Sun Sep 19 09:43:21 2010
Charted by:	Depth in Feet scaled 1:240

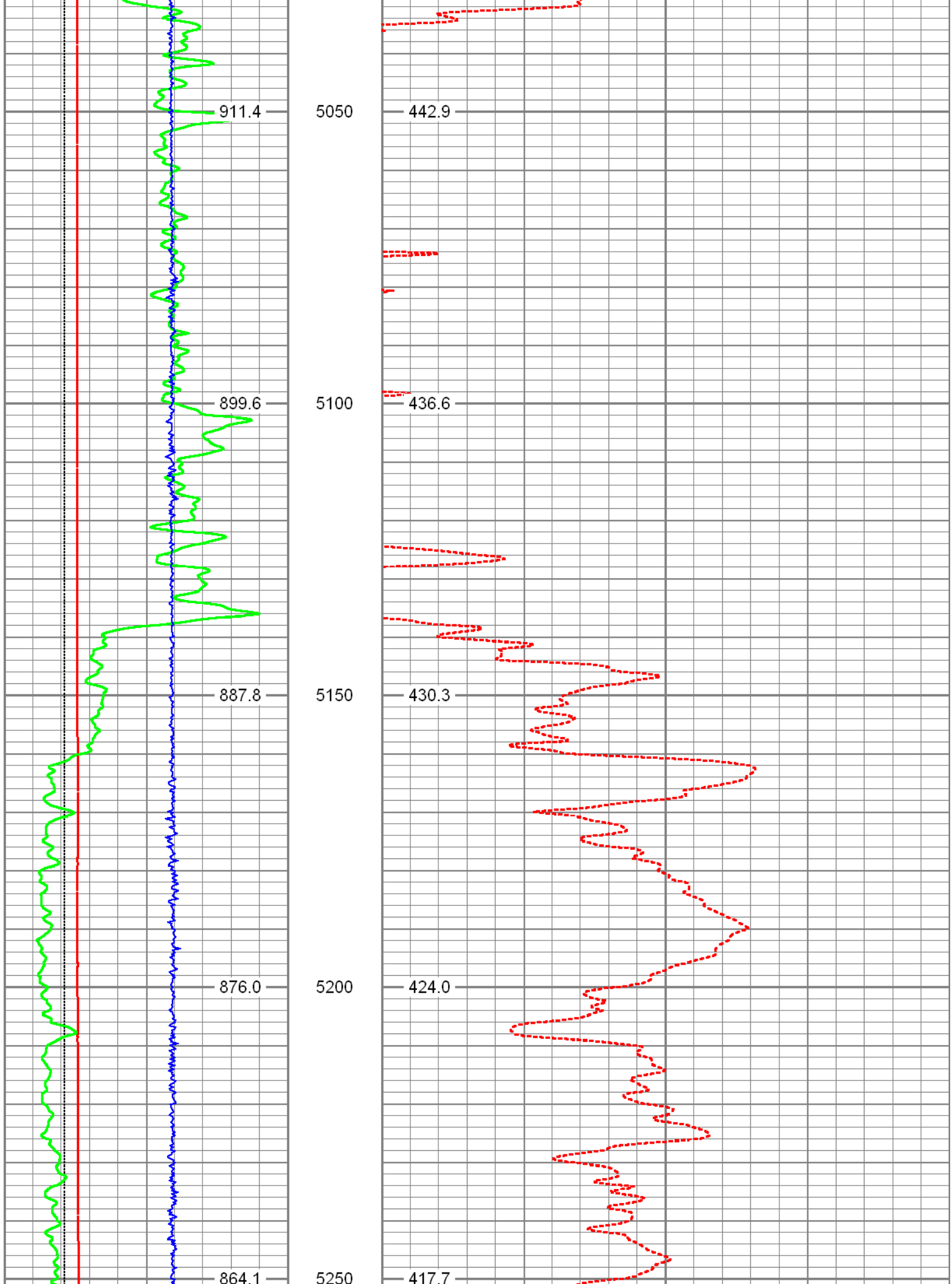
4	DCAL (in)	14
4	BOREID (in)	14

30	CNPOR (pu)	-10


4 BOREID (in) 14
0 GR (GAPI) 150
-5 ACCY 5
TBHV (ft3)
30 DPHI (pu) -10
0 PEF (barn) 10
-0.5 DRHO (g/cc) 0.5
ABHV (ft3)
4400
4450
4500
4550
1045.0
1034.4
1023.6
510.2
505.2
499.8


1012.6
4600
494.4
1001.4
4650
488.7
990.2
4700
483.1
979.0
4750
477.4
967.9
4800
471.7


956.9
4850
466.3
945.9
4900
460.8
934.7
4950
455.2
923.1
5000
449.1


911.4
5050
442.9
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436.6
887.8
5150
430.3
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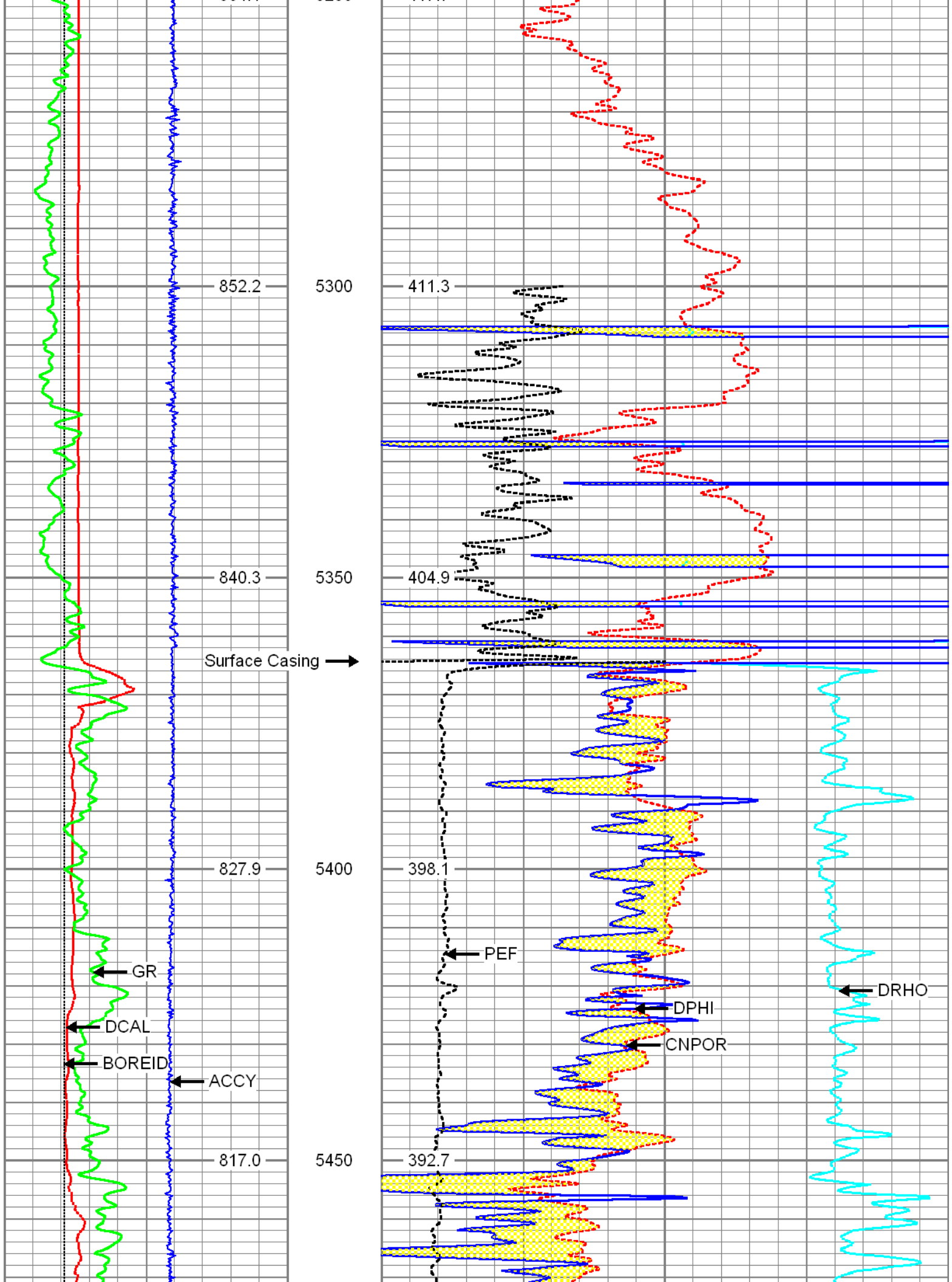
864.1
5250
417.7


852.2
5300
411.3
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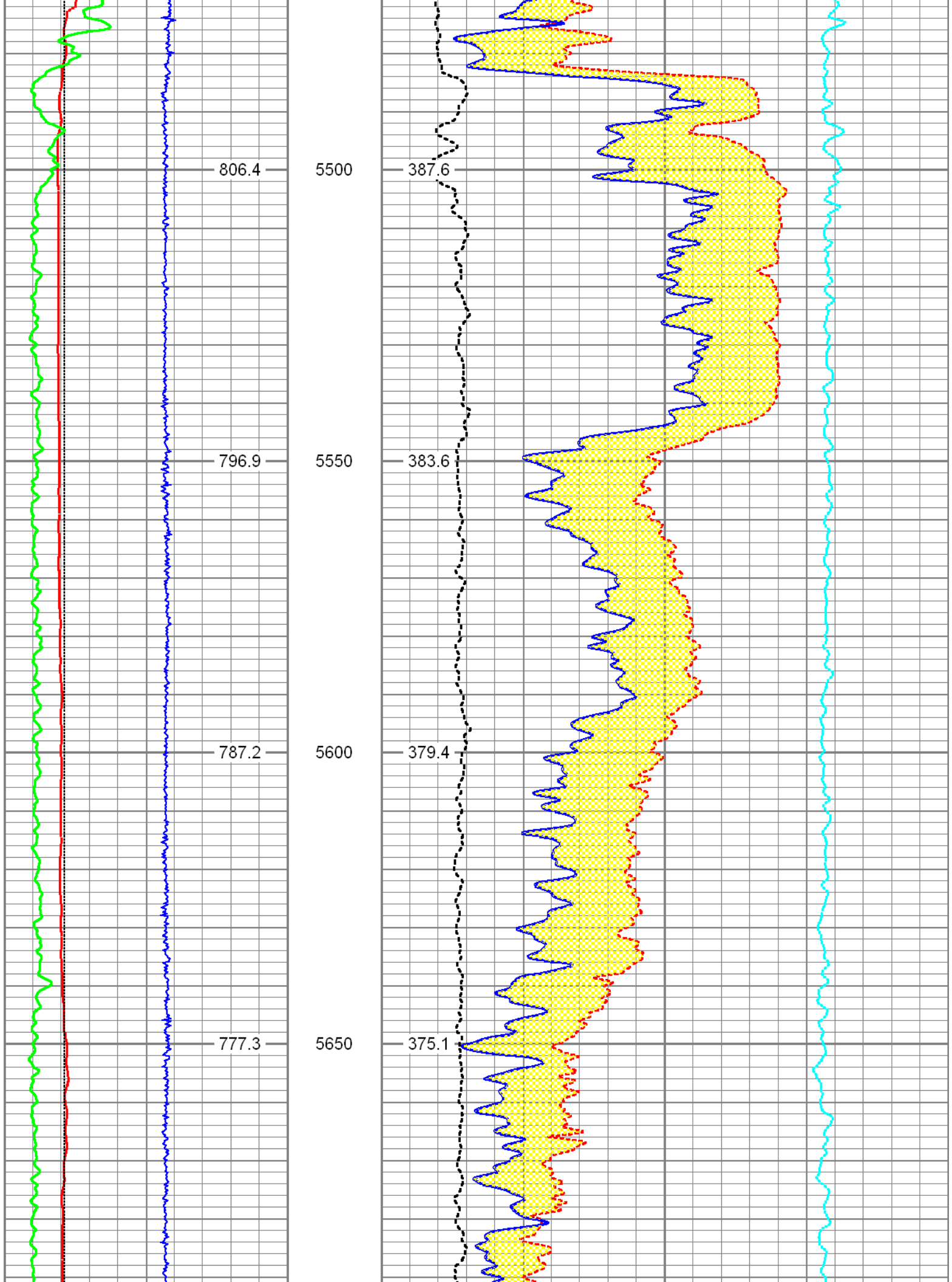
404.9
Surface Casing
827.9
5400
398.1
PEF
GR
DCAL
BOREID
ACCY
DRHO
DPHI
CNPOR
817.0
5450
392.7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383.6
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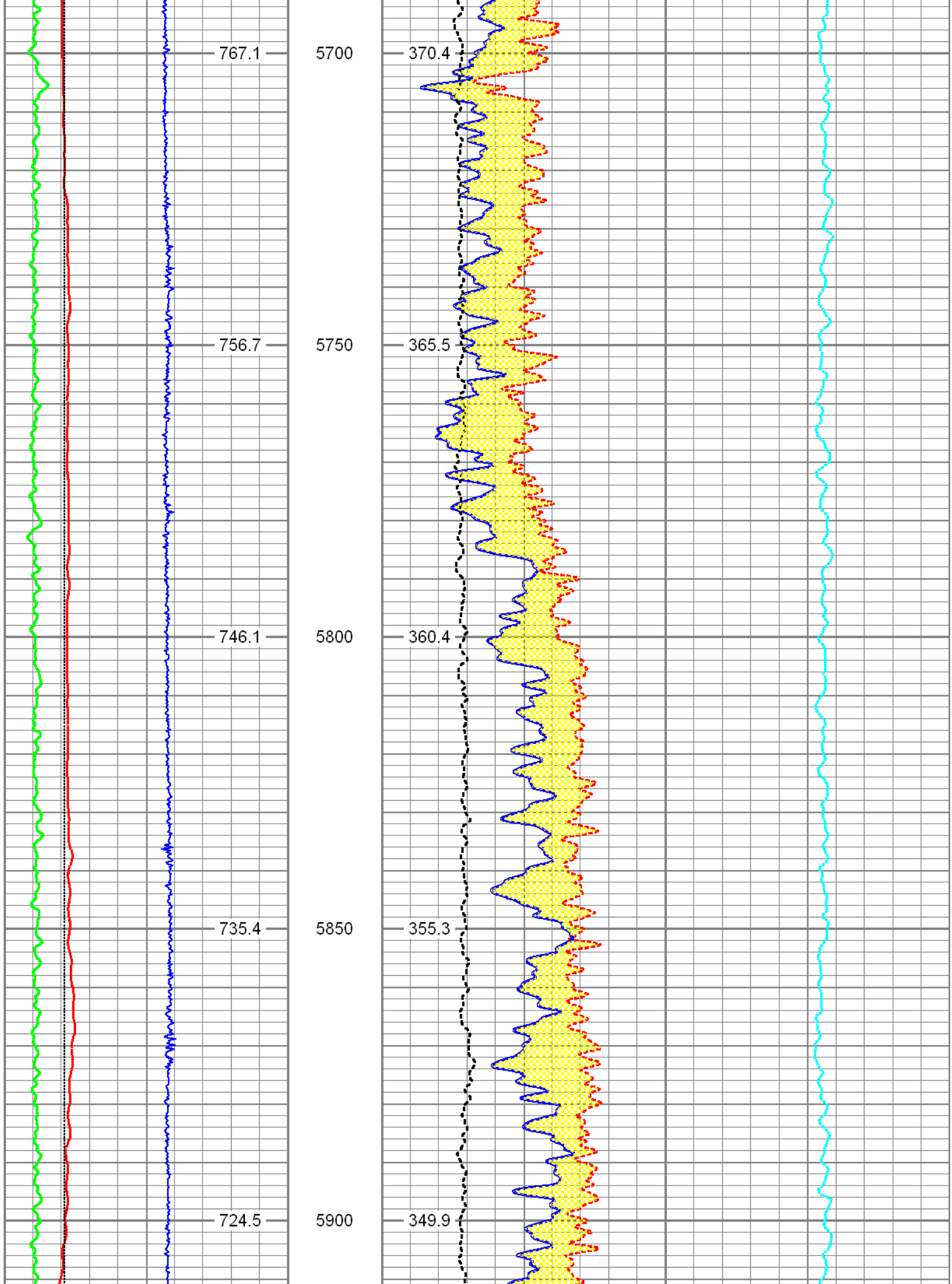
379.4
777.3
5650
375.1


767.1
5700
370.4
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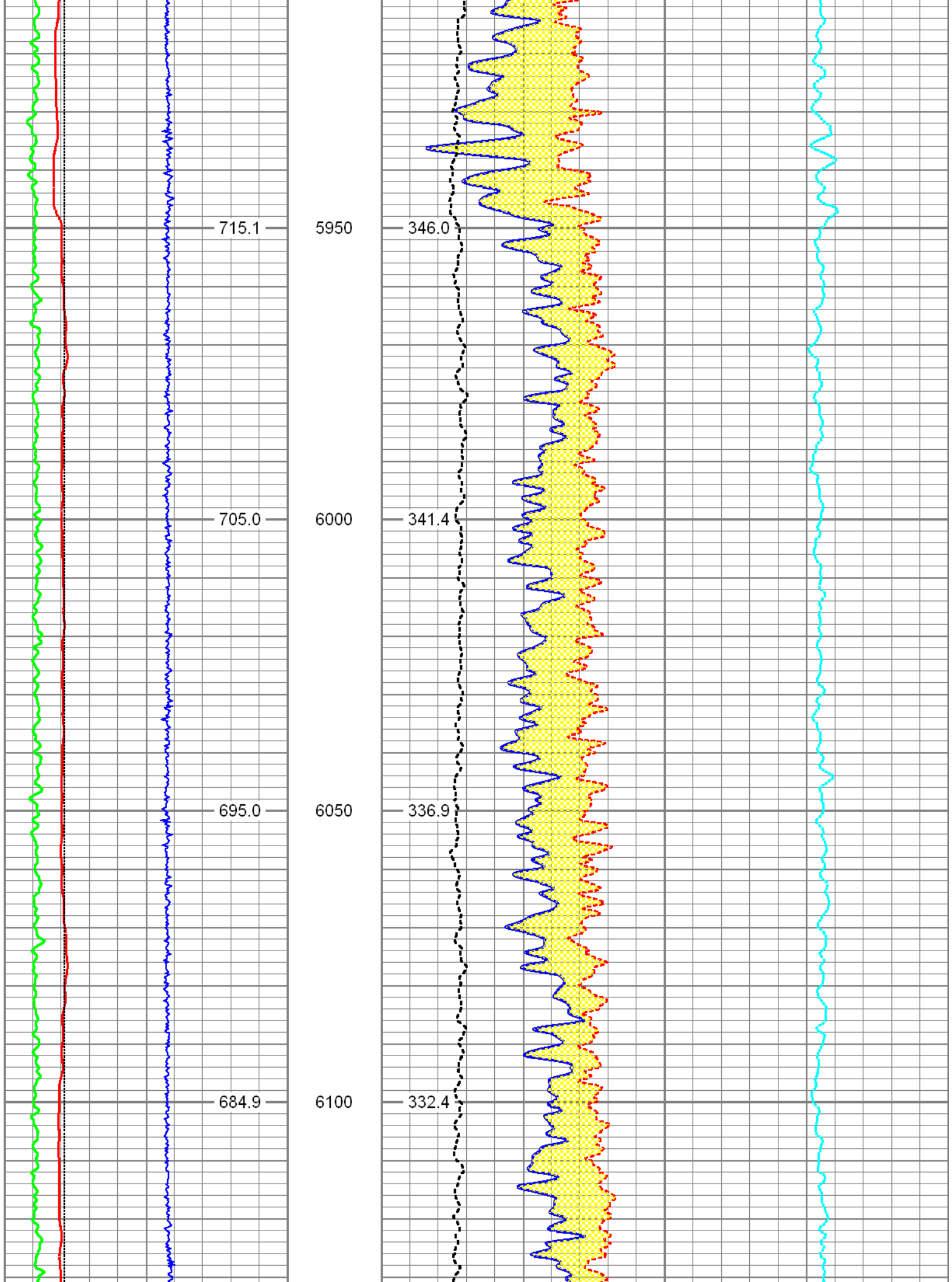
365.5
746.1
5800
360.4
735.4
5850
355.3
724.5
5900
349.9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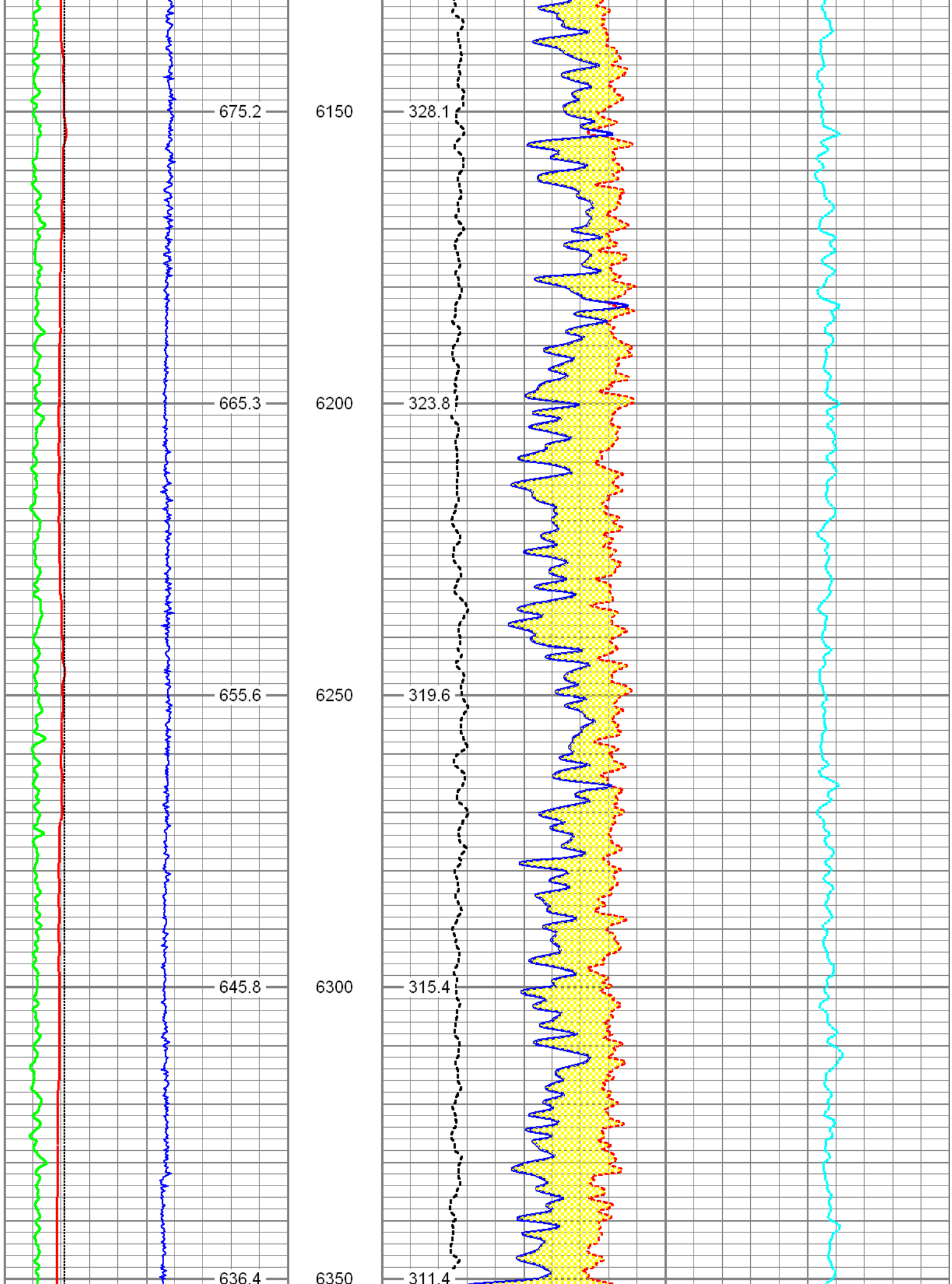
346.0
705.0
6000
341.4
695.0
6050
336.9
684.9
6100
332.4


675.2
6150
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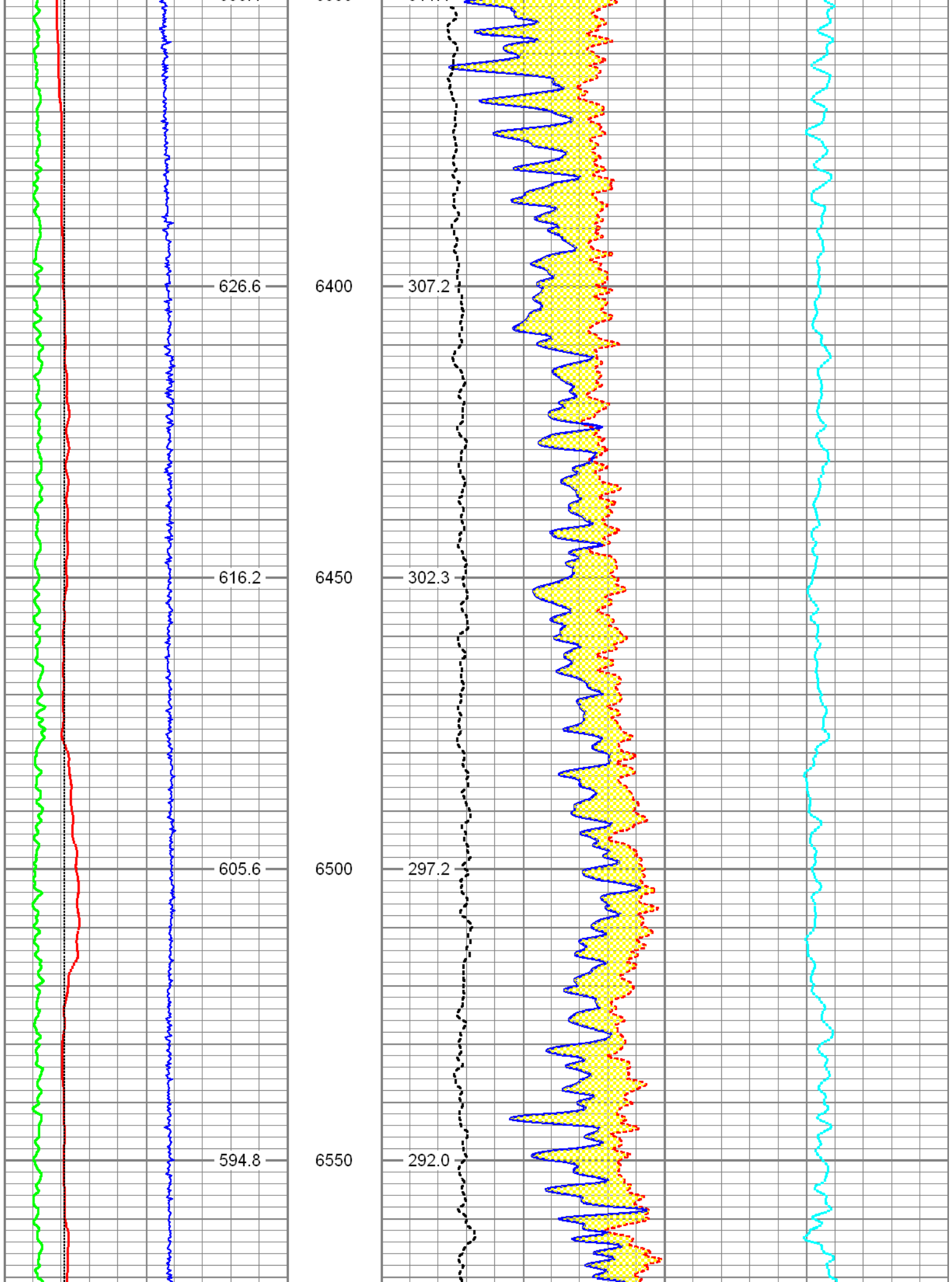
6200
323.8
655.6
6250
319.6
645.8
6300
315.4
636.4
6350
311.4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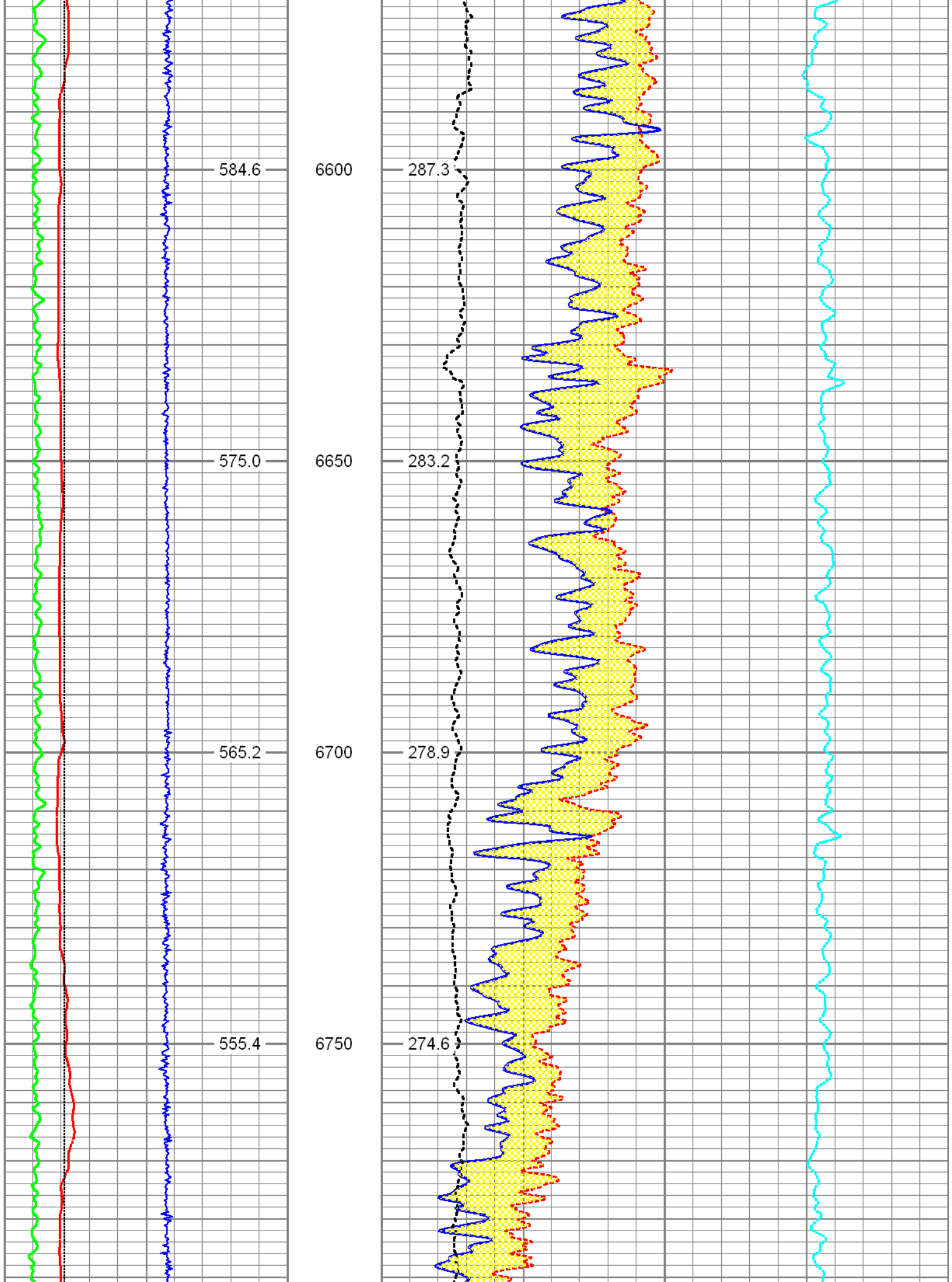
616.2
6450
302.3
605.6
6500
297.2
594.8
6550
292.0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287.3
575.0
6650
283.2
565.2
6700
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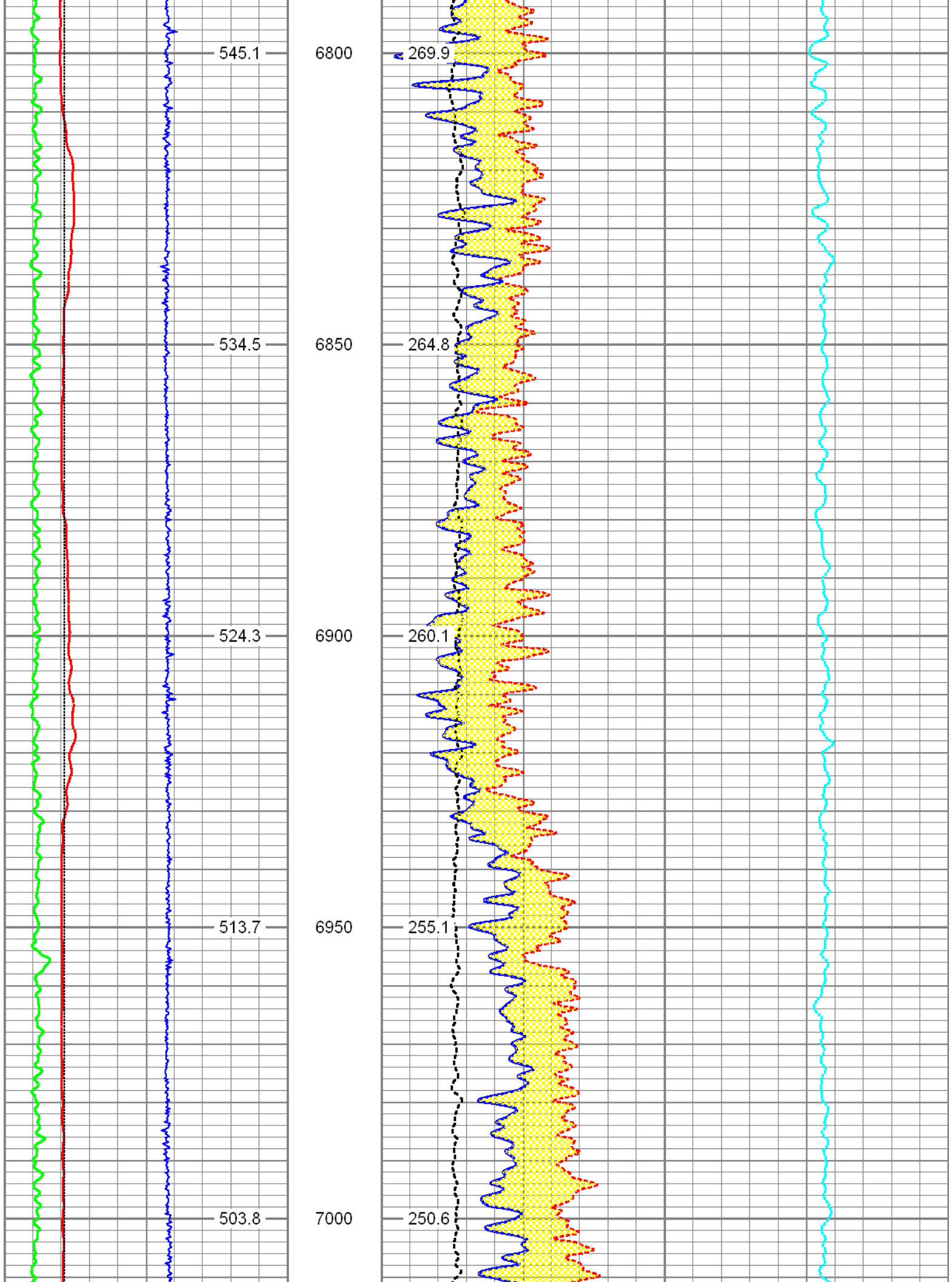
6750
274.6


545.1
6800
269.9
534.5
6850
264.8
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6900
260.1
513.7
6950
255.1
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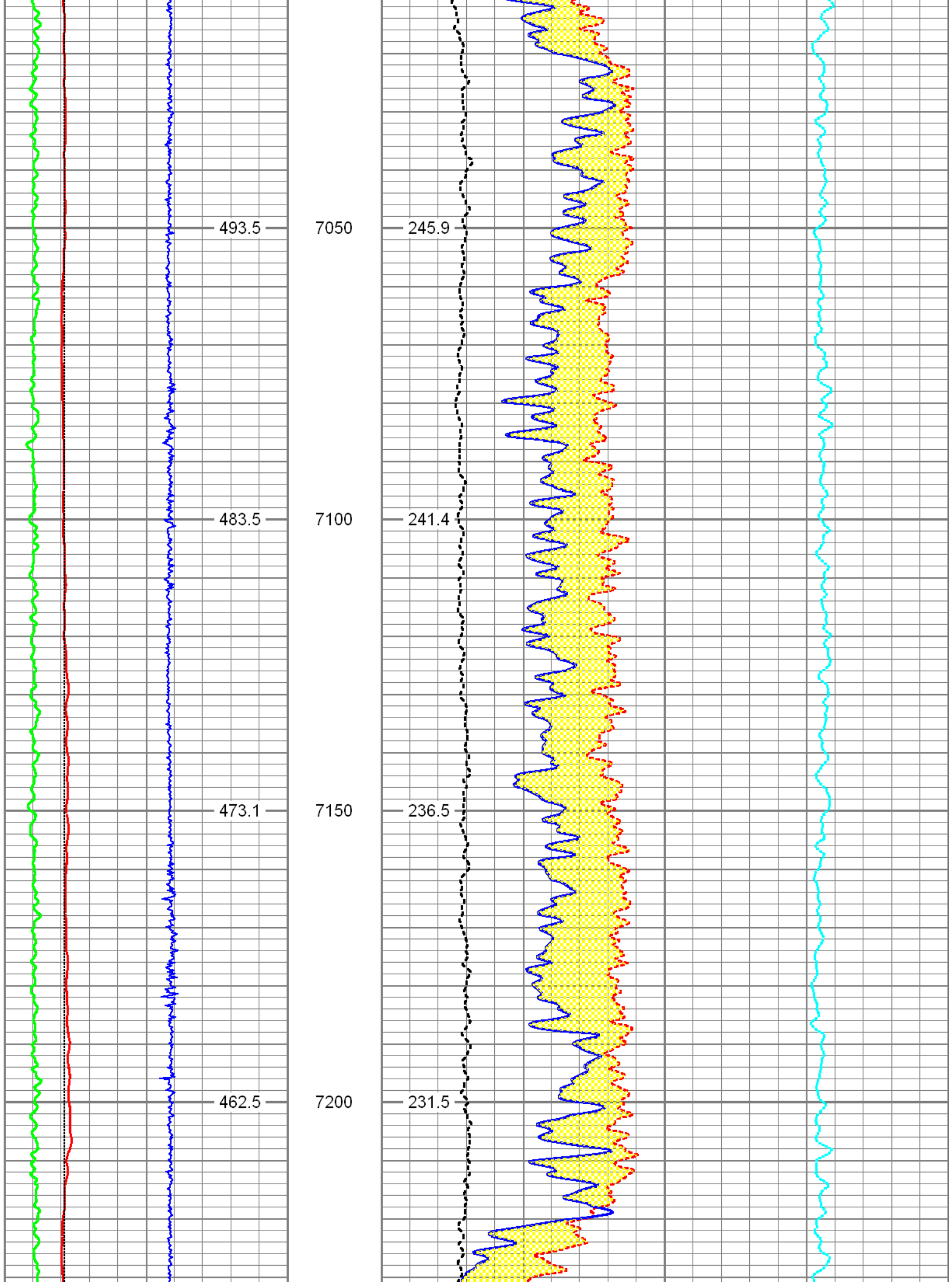
7000
250.6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241.4
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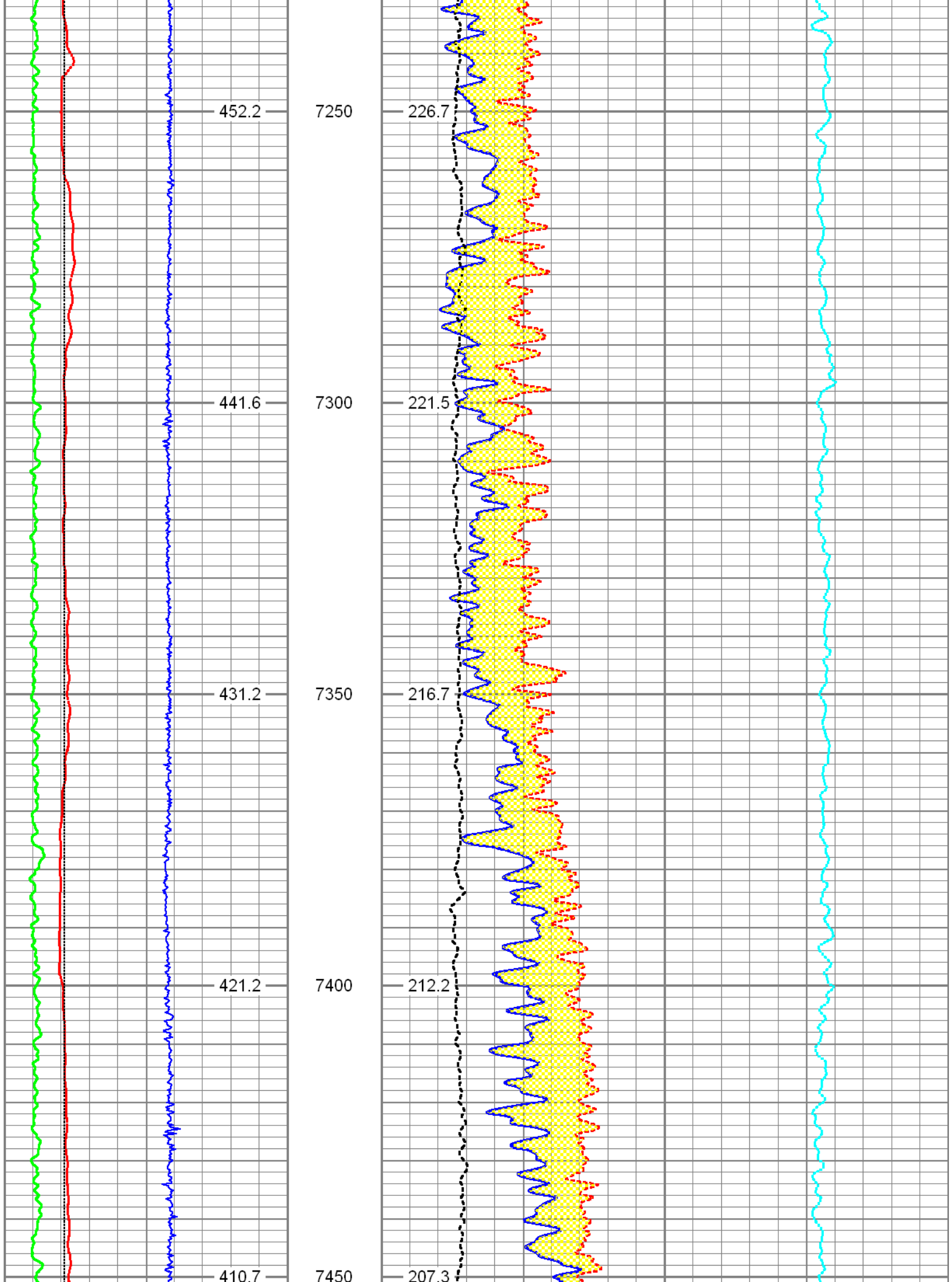
236.5
462.5
7200
231.5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7250
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221.5
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7350
216.7
421.2
7400
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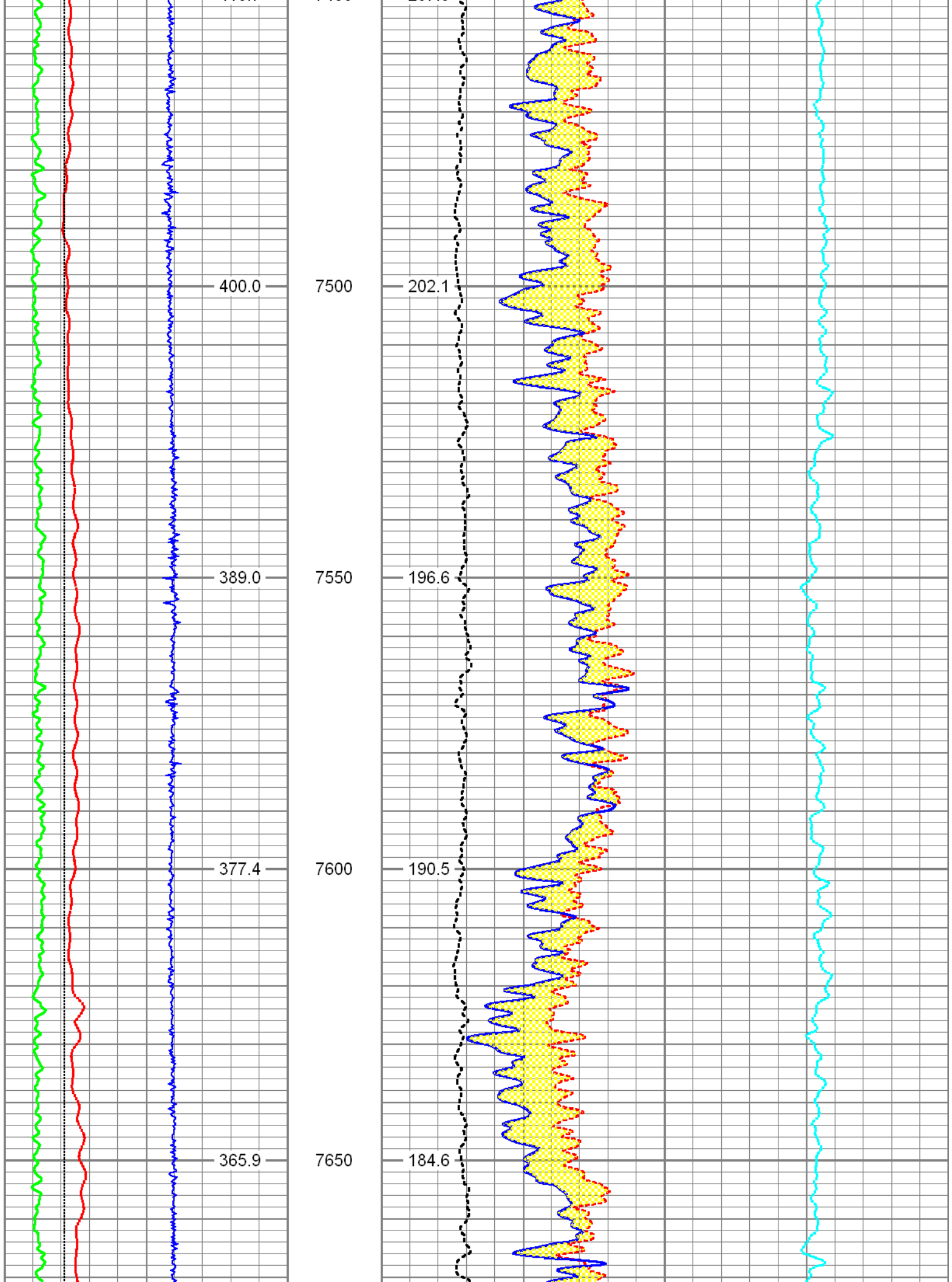
7450
207.3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7500
202.1
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196.6
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7600
190.5
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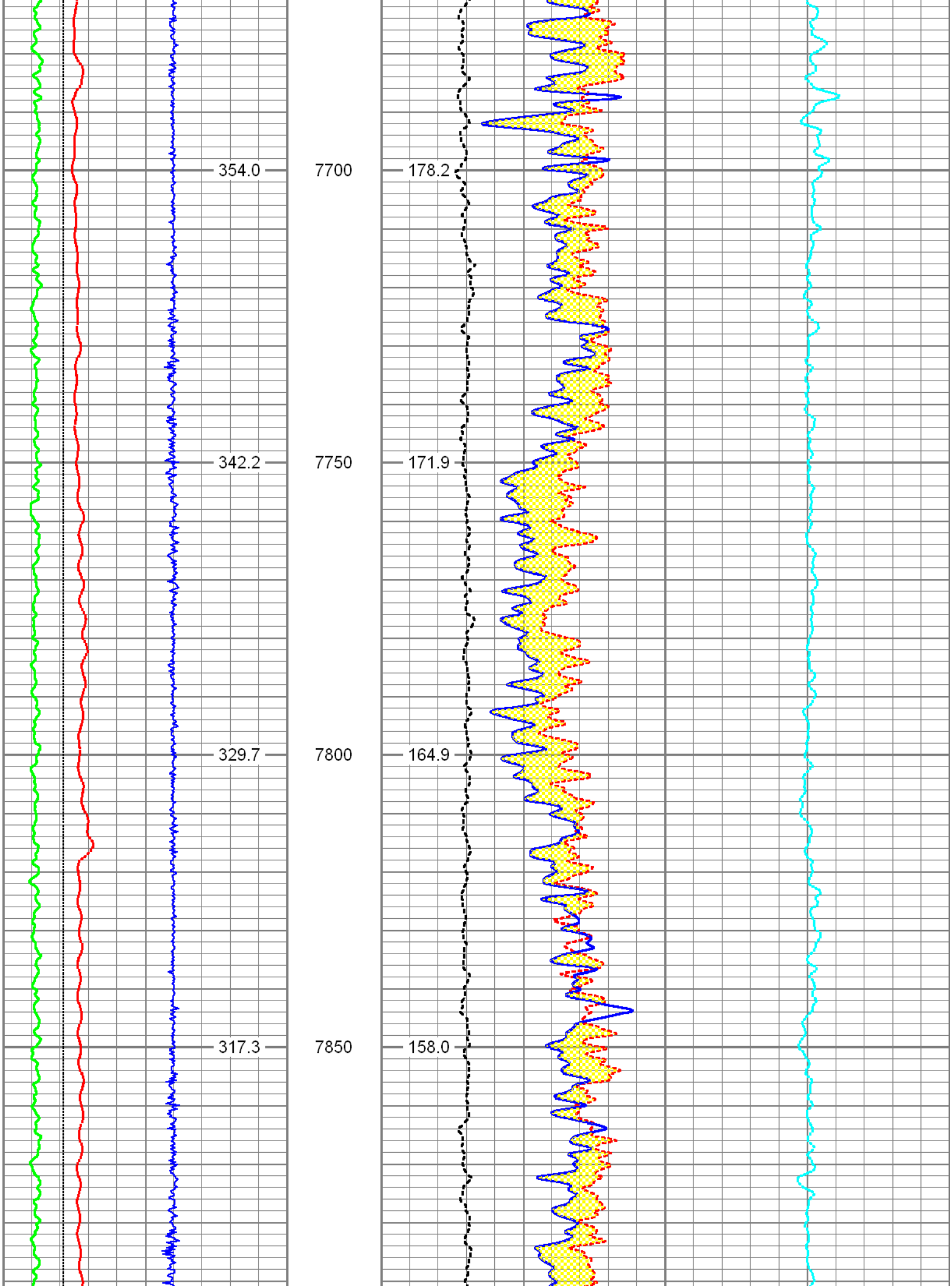
7650
184.6


354.0
7700
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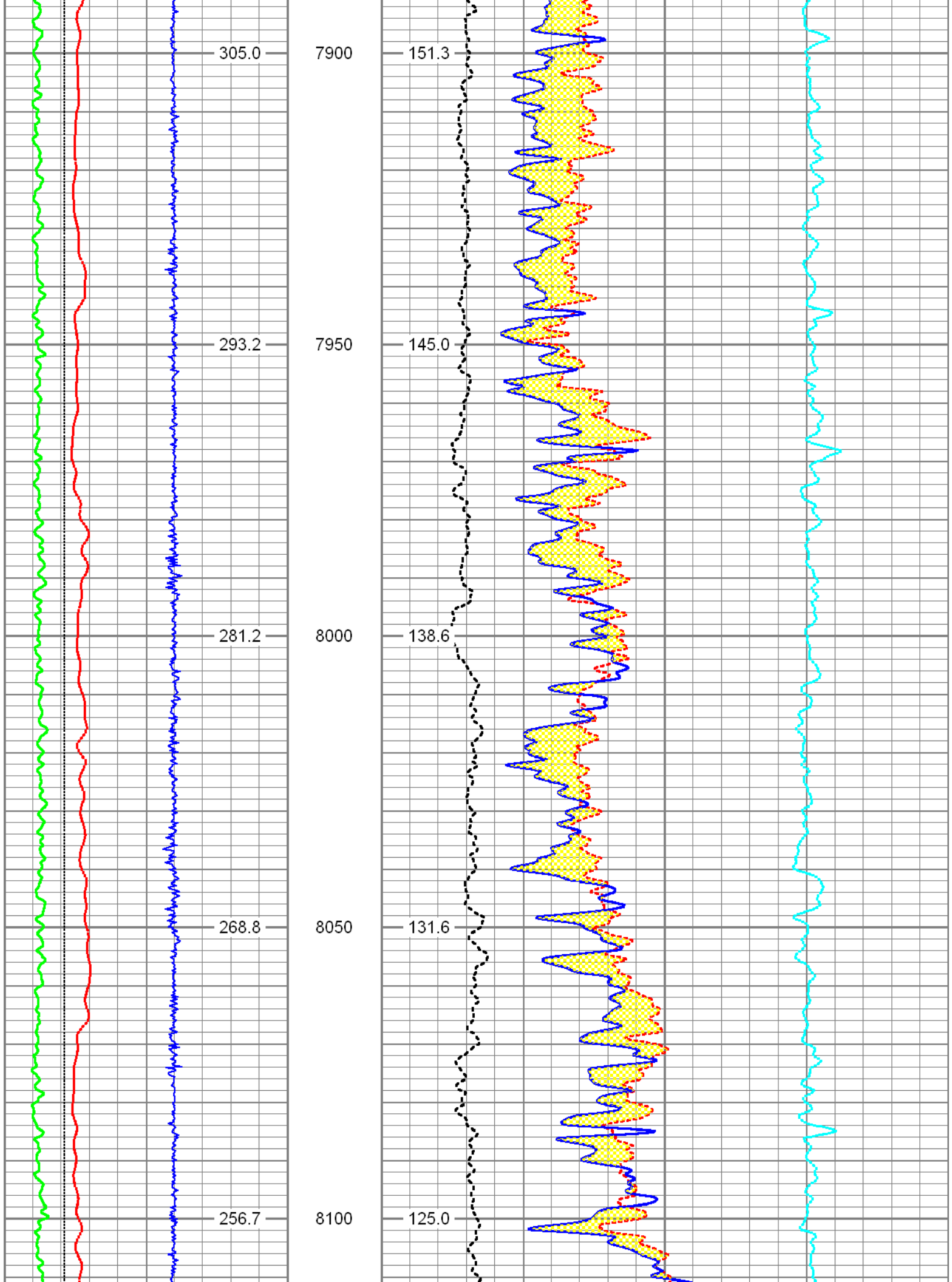
164.9
317.3
7850
158.0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8050
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256.7
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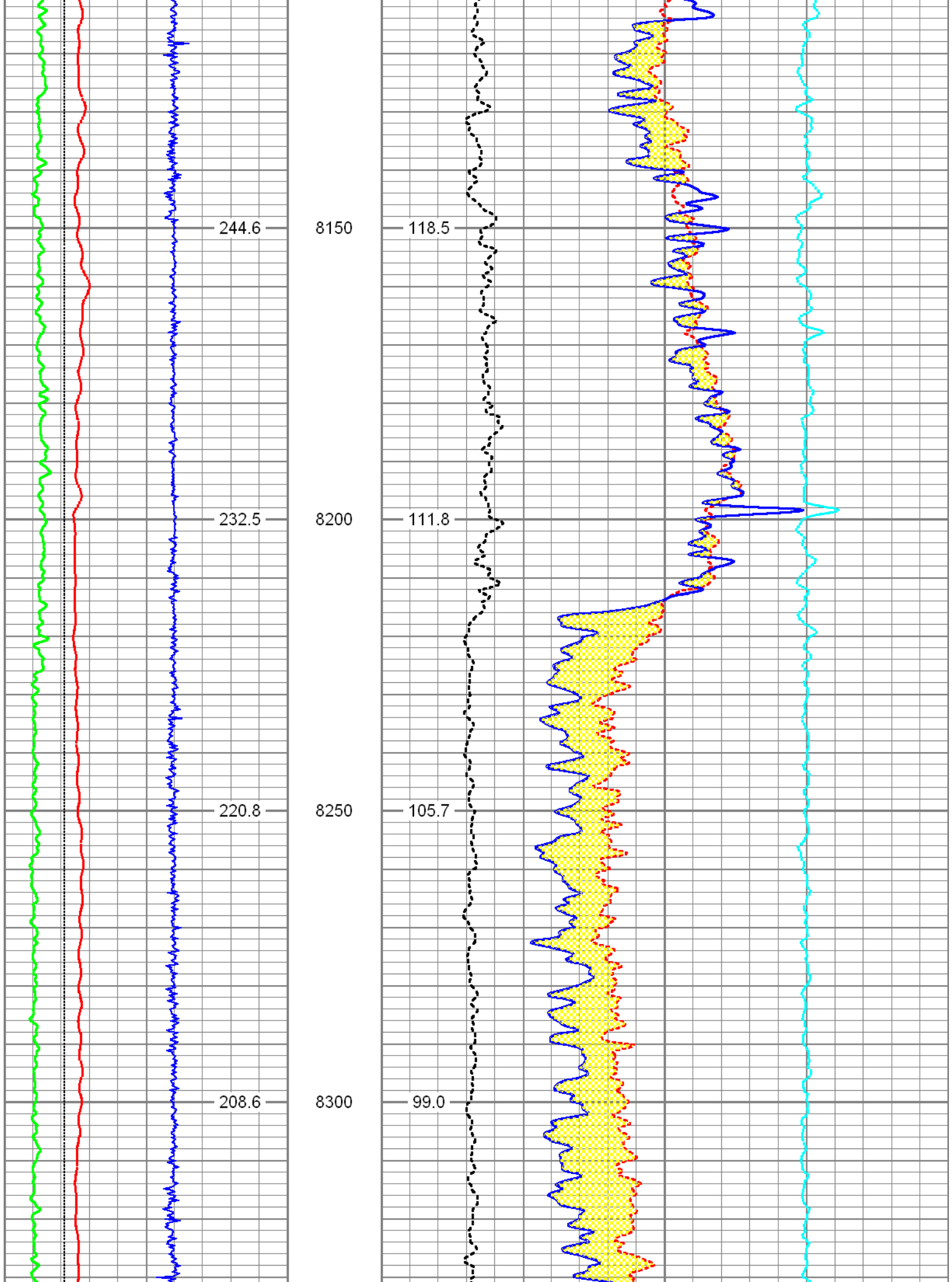
125.0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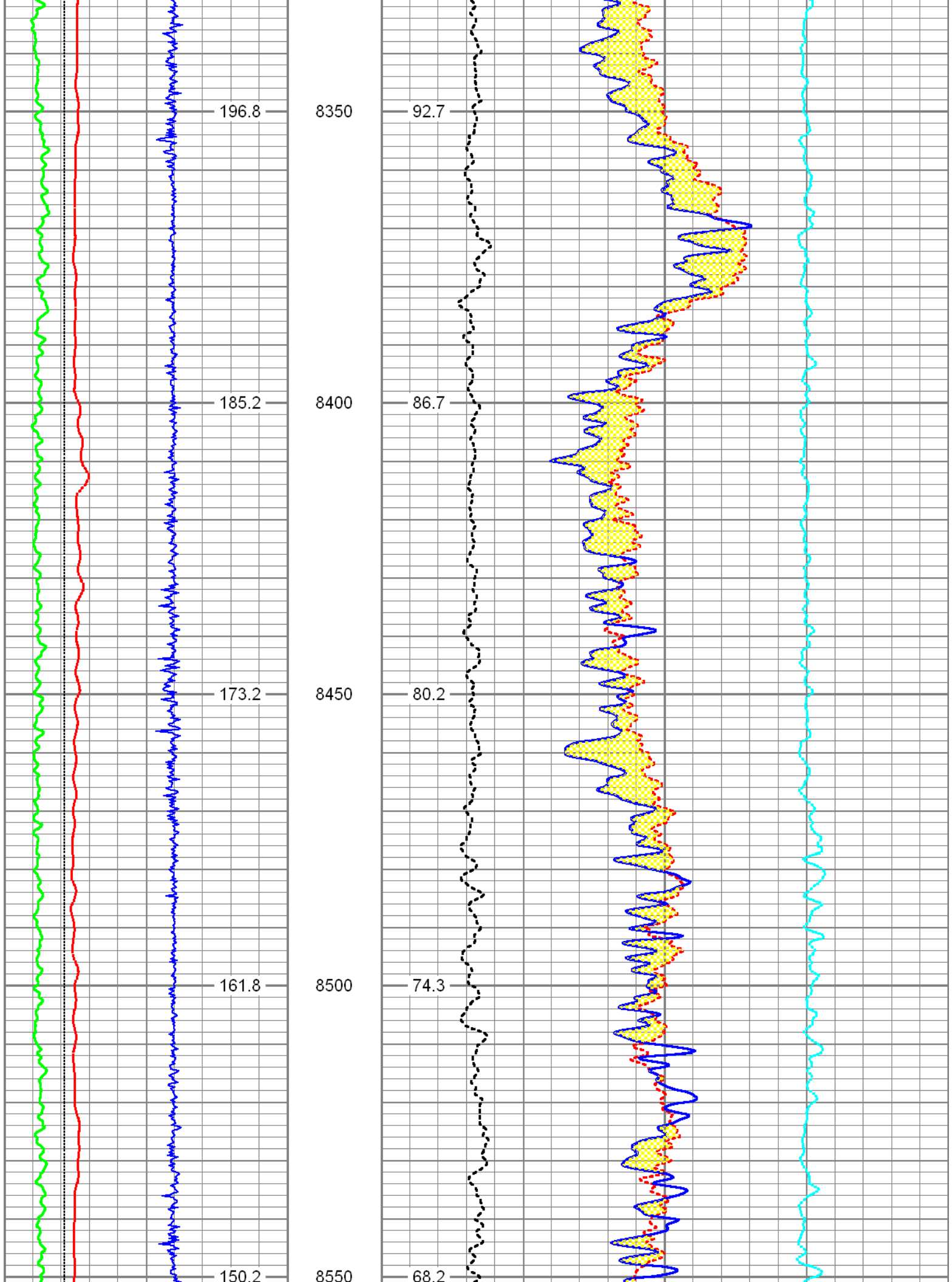
105.7
208.6
8300
99.0


196.8
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80.2
161.8
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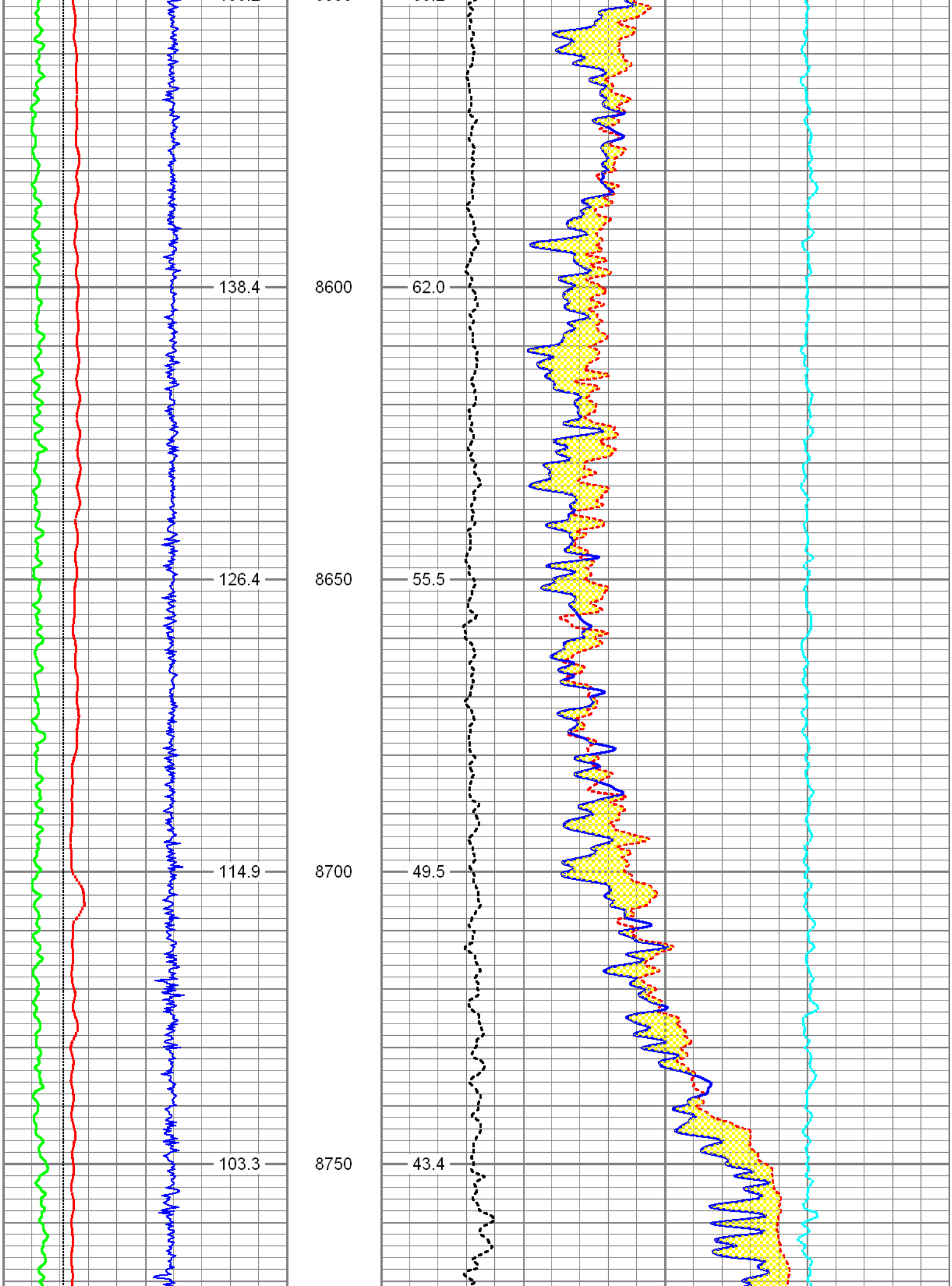
68.2


138.4
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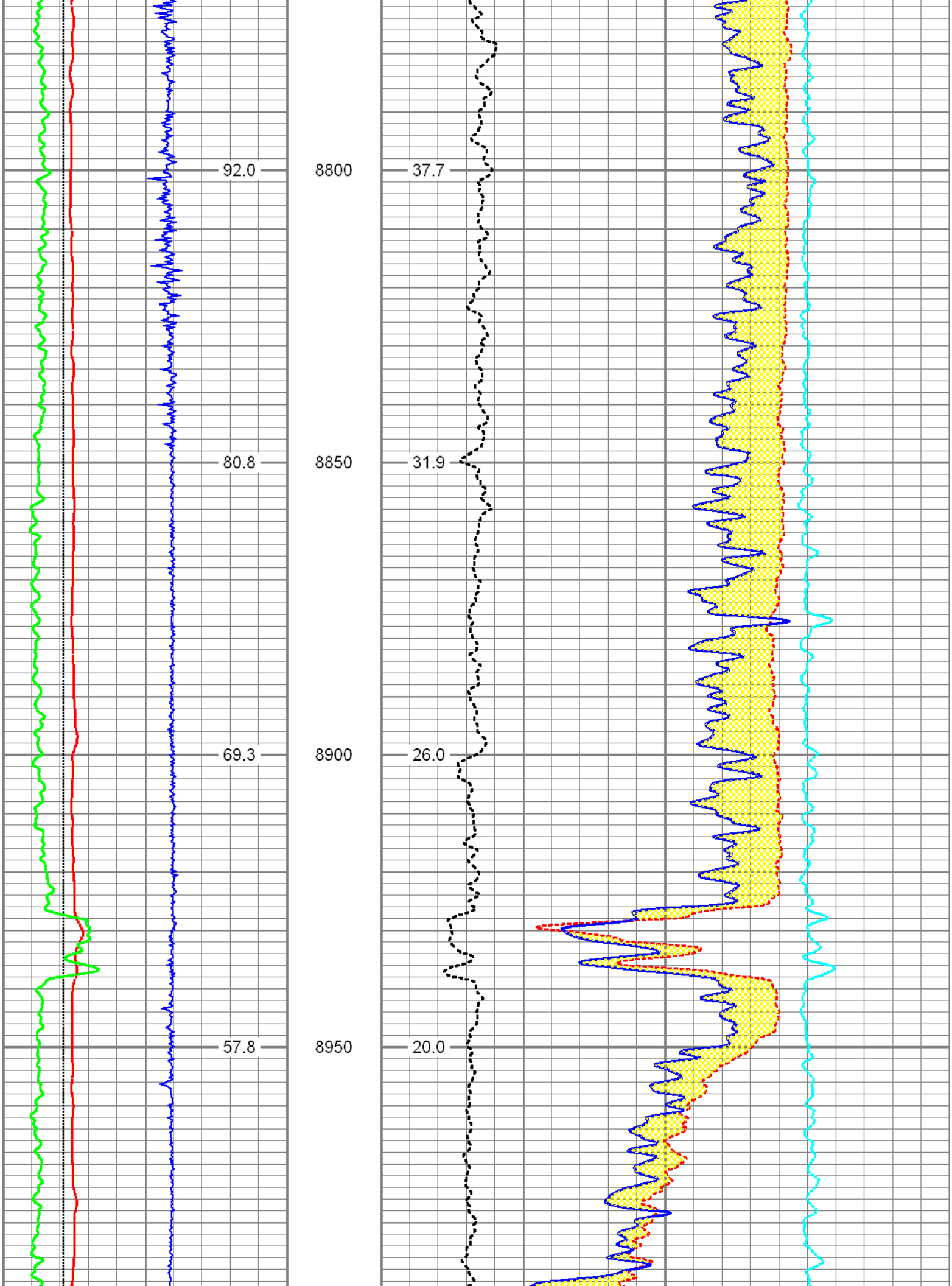
43.4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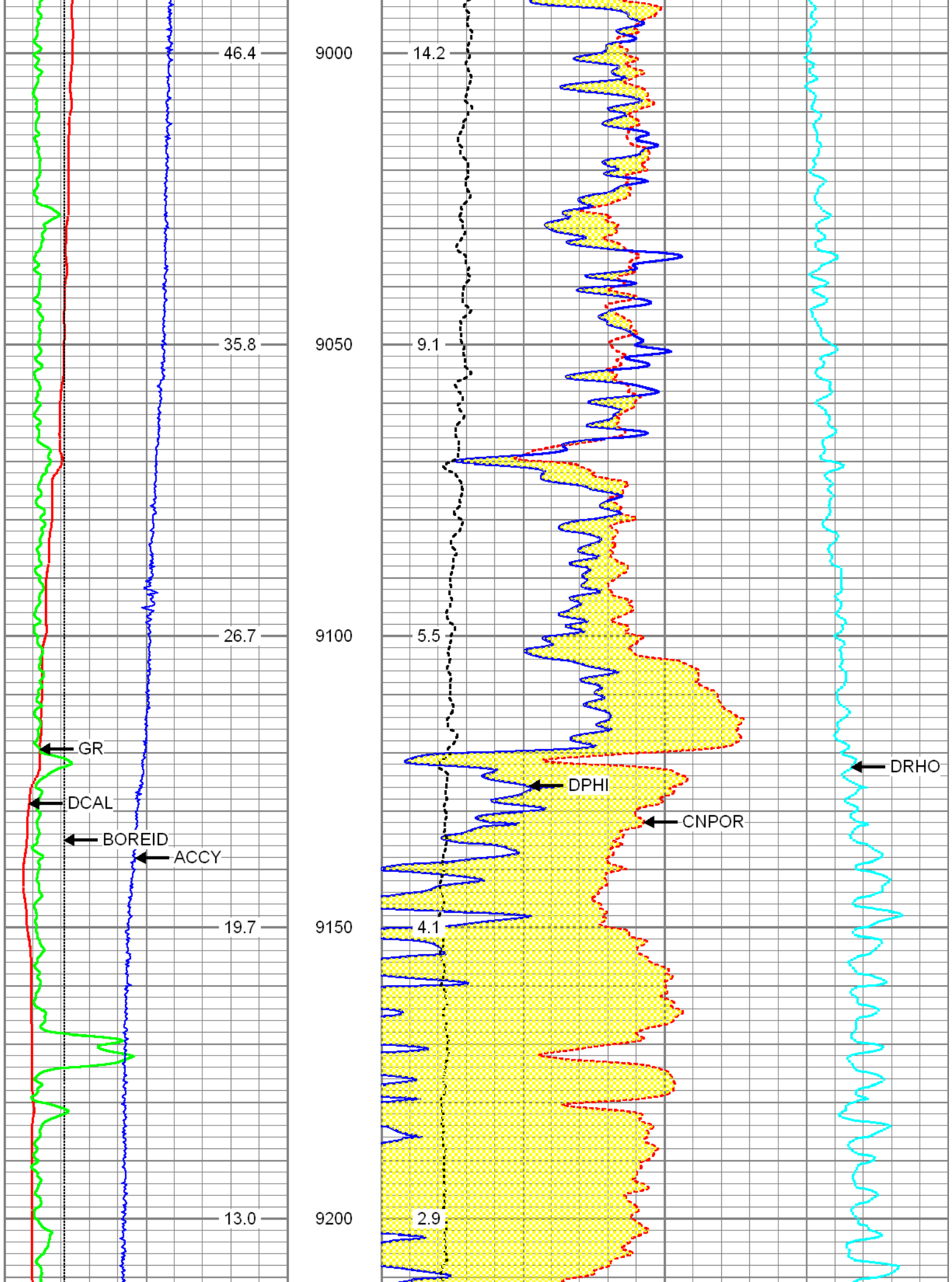
46.4
35.8
26.7
19.7
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9050
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9150
9200
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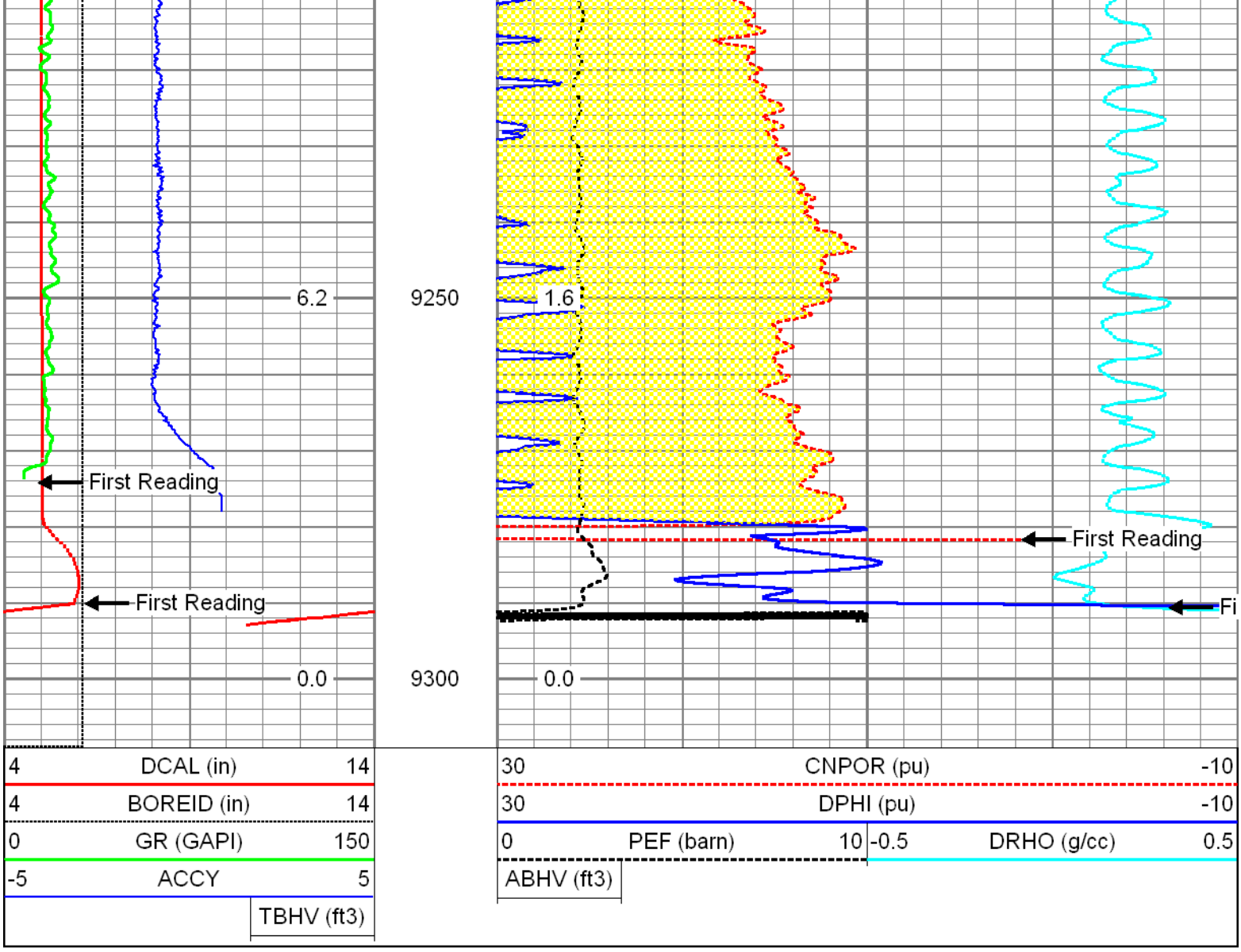
9.1
5.5
4.1
2.9
GR
DCAL
BOREID
ACCY
DPHI
CNPOR
DRHO



Log Variables

Database:C:\Warrior\Data\sandridge_schrock_1_1h_mem_ver2.db
Dataset: field/well/proc1/pass2

Top - Bottom

M	A	SZCOR	CASED?	NPORSEL	MudWgt lb/gal	FRMSALIN kppm
2	1	On	No	Limestone	8.4	0
MUDSALIN kppm	CEMWATERSA kppm	CMNTTHCK in	CASETHCK in	FLUIDDEN g/cc	MATRXDEN g/cc	SRFTEMP degF
1	0	0	0	1	2.71	65
RESTMPSRC	BHIDSRC	SO in	TOOLPOS	BHFL_TYPE	TMPCOR	LATNOR
INTERNAL	CURVE	0.5	Free	WBM	On	Off
BHCOR	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in	
On	4.5	0	9342	138	6.125	

Calibration Report

Database File: sandridge_schrock_1_1h_mem_ver2.db

Dataset Pathname: proc1/pass2.1
Dataset Creation: Sun Sep 19 09:43:21 2010

ThruBit Induction Calibration Report

Serial-Model: 08-PS

Shop Calibration Performed: Wed Jun 02 10:16:17 2010

BaseLine

	R	X
Freq 1		
A1	-460.2050	211.6350
A2	-142.9910	213.4270
A3	-28.0846	38.7978
A4	-23.6835	191.6210
A5	-21.0238	118.2690
Freq 2		
A1	-238.2860	104.3300
A2	-93.6691	106.6520
A3	-21.1990	-29.1633
A4	-25.9947	29.0870
A5	-24.8755	-29.7261
Freq 3		
A1	-147.3850	-2.3914
A2	-71.4911	31.6092
A3	-17.3606	-82.7555
A4	-26.8641	-84.4510
A5	-27.0878	-140.4870
Freq 4		
A1	-76.1833	-174.5160
A2	-51.4557	-75.1214
A3	-14.0759	-169.2060
A4	-30.0385	-260.1180
A5	-33.6828	-330.1090

Calibration Coefficients

	R	X
Freq 1		
A1	0.9853	-0.0096
A2	0.9811	-0.0051
A3	0.9841	-0.0047
A4	0.9812	-0.0063
A5	0.9535	-0.0096
Freq 2		
A1	0.9846	-0.0059
A2	0.9805	-0.0035
A3	0.9828	-0.0035
A4	0.9766	-0.0038
A5	0.9474	-0.0099
Freq 3		
A1	0.9843	-0.0056
A2	0.9838	-0.0099

A3	0.9822	-0.0094
A4	0.9798	-0.0094
A5	0.9377	-0.0124
Freq 4		
A1	0.9792	-0.0100
A2	0.9771	-0.0099
A3	0.9769	-0.0074
A4	0.9711	-0.0062
A5	0.9394	-0.0093
Temperature	30.7553	

ThruBit Density Calibration Report

Serial-Model:	02-PS
Shop Calibration Performed:	Sat Sep 04 00:11:03 2010

References

	Density	Units
Aluminium	2.602	g/cc
Magnesium	1.715	g/cc

Readings

	Counts	Units
SS1 Background	131.82	cps
LS1 Background	148.78	cps
LS4 Background	30.86	cps
SS1 Aluminium	5849.25	cps
LS1 Aluminium	1021.51	cps
LS4 Aluminium	1187.37	cps
SS1 Magnesium	9532.08	cps
LS1 Magnesium	6637.78	cps
LS1 Al + Fe	875.40	cps
LS4 Al + Fe	517.79	cps

Results

SS Slope	1.78
LS Slope	0.44
PEF K Factor	3.485
PEF B Factor	-0.089

Compensated Neutron Calibration Report

Serial Number:	10
Tool Model:	PS
Source Number:	
Calibration Tank Temperature:	0.0 degF

BACKGROUND MEASUREMENT

SS Counts	LS Counts
0.0	0.0

WATER TANK REFERENCE Mon Sep 13 10:36:15 2010

SS Counts		LS Counts		
0.0	cps	0.0	cps	
Tank Ratio Ref		Tank Ratio		Tank Ratio Gain
30.9580	SS/LS	29.6013	SS/LS	1.0458

ALUMINUM SLEEVE REFERENCE

SS Counts		LS Counts		
0.0	cps	0.0	cps	
Al Ratio Ref		Al Ratio		Al Ratio Gain
0.000	SS/LS	0.000	SS/LS	0.95
Sleeve Porosity				
0.00	pu			

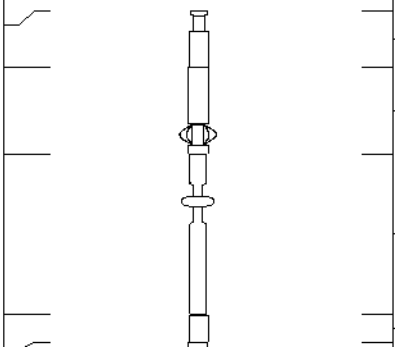
Gamma Ray Calibration Report

Serial Number:	05	
Tool Model:	PS	
Performed:	Sun Sep 19 00:53:46 2010	
Calibrator Value:	162.7	GAPI
Background Reading:	74.9	cps
Calibrator Reading:	442.1	cps
Sensitivity:	0.3750	GAPI/cps

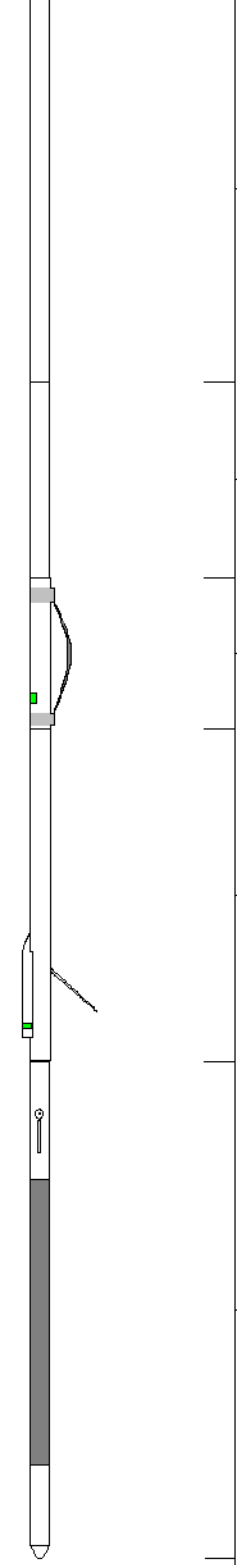
Inclinometer Calibration Report

Performed: Sun Jun 13 14:33:21 1993

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer					

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
Thrubit	59.50		Cablehead Thrubit 10 to 1 Cablehead	1.79	2.13	5.00
Thrubit	57.71		Small_Release Thrubit Small Release Tool	2.75	1.69	20.00
Thrubit	54.96		HangOff_Tool Thrubit Hang Off Tool	5.00	2.45	60.00
Thrubit	49.96		10-1	0.88	2.13	3.95
TRRAT	49.08					

TBBAT	49.08	Thrubit 10 to 1 Crossover			
		TBBAT-A (1) Thrubit Battery	12.17	2.13	38.20
TMG	36.92				
		TMG-PS (05) ThruBit Telemetry Gamma Ray	6.13	2.13	45.00
ACCX	30.79				
ACCY	30.79				
ACCZ	30.79	TBN-PS (10) ThruBit Neutron	4.76	2.13	63.00
GRHEADV	30.79				
DHTEN	30.79				
		TBD-PS (02) Thrubit Density	10.47	2.13	94.00
		TBI-PS (08) Thrubit Induction	15.56	2.13	84.05



Dataset:	sandridge_schrock_1_1h_mem_ver2.db: field/well/proc1/pass1.3
Total Length:	59.50 ft
Total Weight:	413.20 lb
O.D.	2.45 in

ThruBit LOGGING SOLUTIONS

Company	SANDRIDGE ENERGY, INC
Well	SCHROCK 1-1H
Field	WALDRON WEST
County	BARBER
State	KANSAS

CEMENT BOND LOG

COMPANY SANDRIDGE ENERG
WELL SCHROCK 1-1H
FIELD WALDRON WEST
CNTY BARBER STATE KS

COMPANY SANDRIDGE ENERGY
WELL SHROCK 1-1H
FIELD WALDRON WEST
COUNTY BARBER STATE KANSAS

LOCATION:
165' FSL & 660' FWL
SEC.1 TWP.35S RGE11W

OTHER SERVICES:

PERM. DATUM G.L. ELEV. 1351'
LOG MEASURED FROM K.B. 23 FT. ABOVE PERMANENT DATUM
DRILLING MEASURED FROM KELLY BUSHING

ELEV.: K.B. 1374'
D.F. 1374'
G.L. 1351'

DATE	9-19-2010		
RUN NO.	ONE		
DEPTH DRILLER	5380'		
DEPTH LOGGER	5086'		
BTM. LOG INTERVAL	5086'		
TOP LOG INTERVAL	3900'		
OPEN HOLE SIZE	7.875		
TYPE FLUID	WATER		
DENS. | VISC.	--------- | ---		
MAX. REC. TEMP. `F	N/A		
EST. CEMENT TOP	4160'		
TIME WELL READY	ON ARRIVAL		
TIME LOGGER ON BTM.	SEE LOG		
EQUIP. NO.	14123		
LOCATION	WWD 70042		
RECORDED BY	C.PATRICK		
WITNESSED BY	MR.PARKER WALDRIDGE		

BOREHOLE RECORD				TUBING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO

CASING RECORD	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING						
PROT. STRING						
PROD. STRING	7	26			SURF	5380'
LINER						

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or recommendation and we shall not be liable or responsible for any loss, cost, damages or expenses incurred or sustained by anyone resulting from any interpretation or recommendation made by any of our employees or agents.

Service Order # 171197

REMARKS Rig: KEEN RIG #26

LOG NOT CORRELATED RAN OFF WIRELINE DEPTH

LOG RAN WITH 0 PSI @ SURFACE

CEMENT TOP @ 4160'

BHT °F

Prints:

THANK YOU FOR USING WEATHERFORD WIRELINE SERVICES (580-256-3888)

CREW FOR TODAY C.PATIRCK, H.ALEXANDER

EQUIPMENT DATA

Run No.	Tool Type	Tool No.	Other
ONE	CBL	SBTA173	
ONE	CBL	GRBA203	

Bit Size 7.875
Well Status
Surface Pressure
Shut In Flowing

DEPTH SCALE: **5":100'**

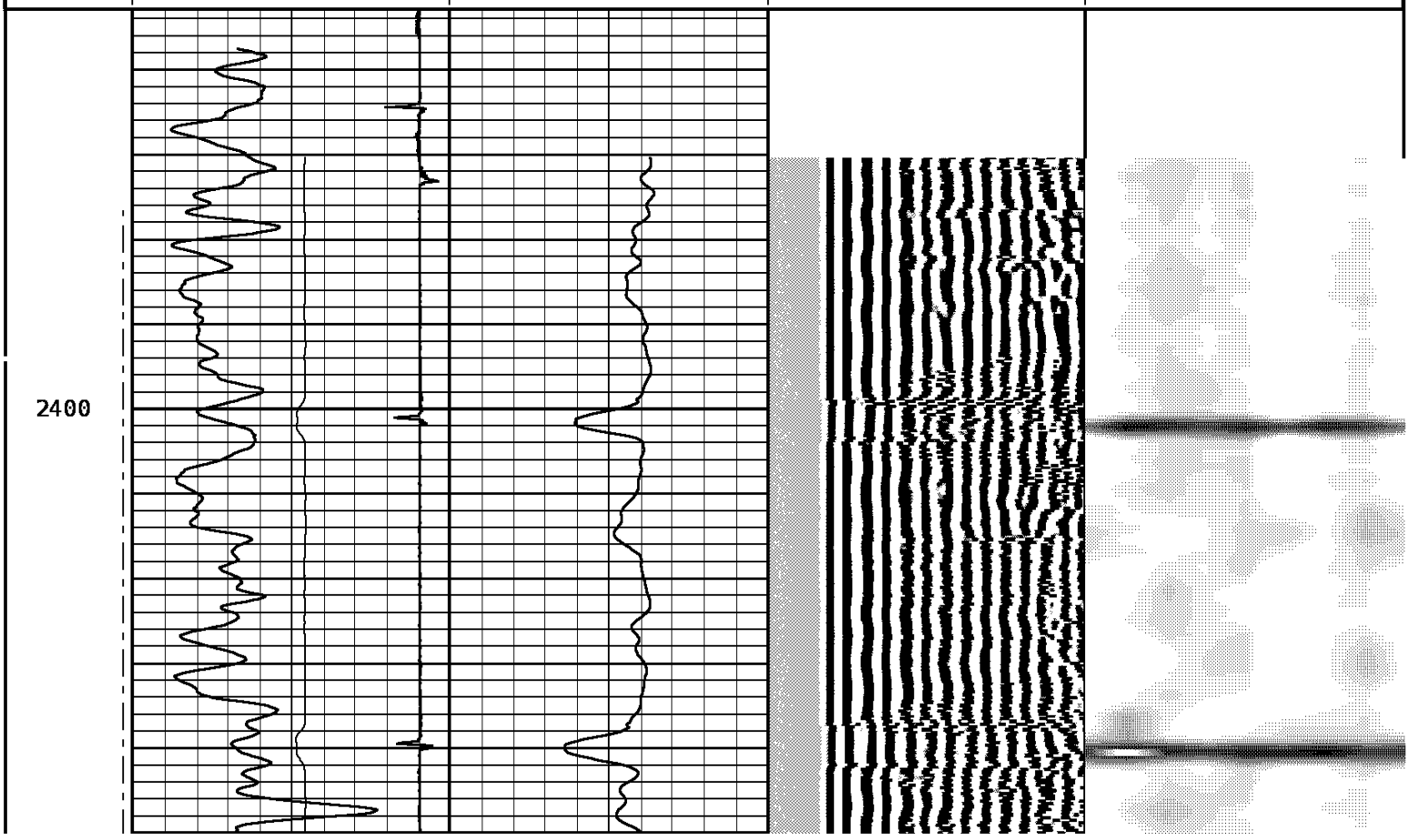
VERSION: **80214133R"**

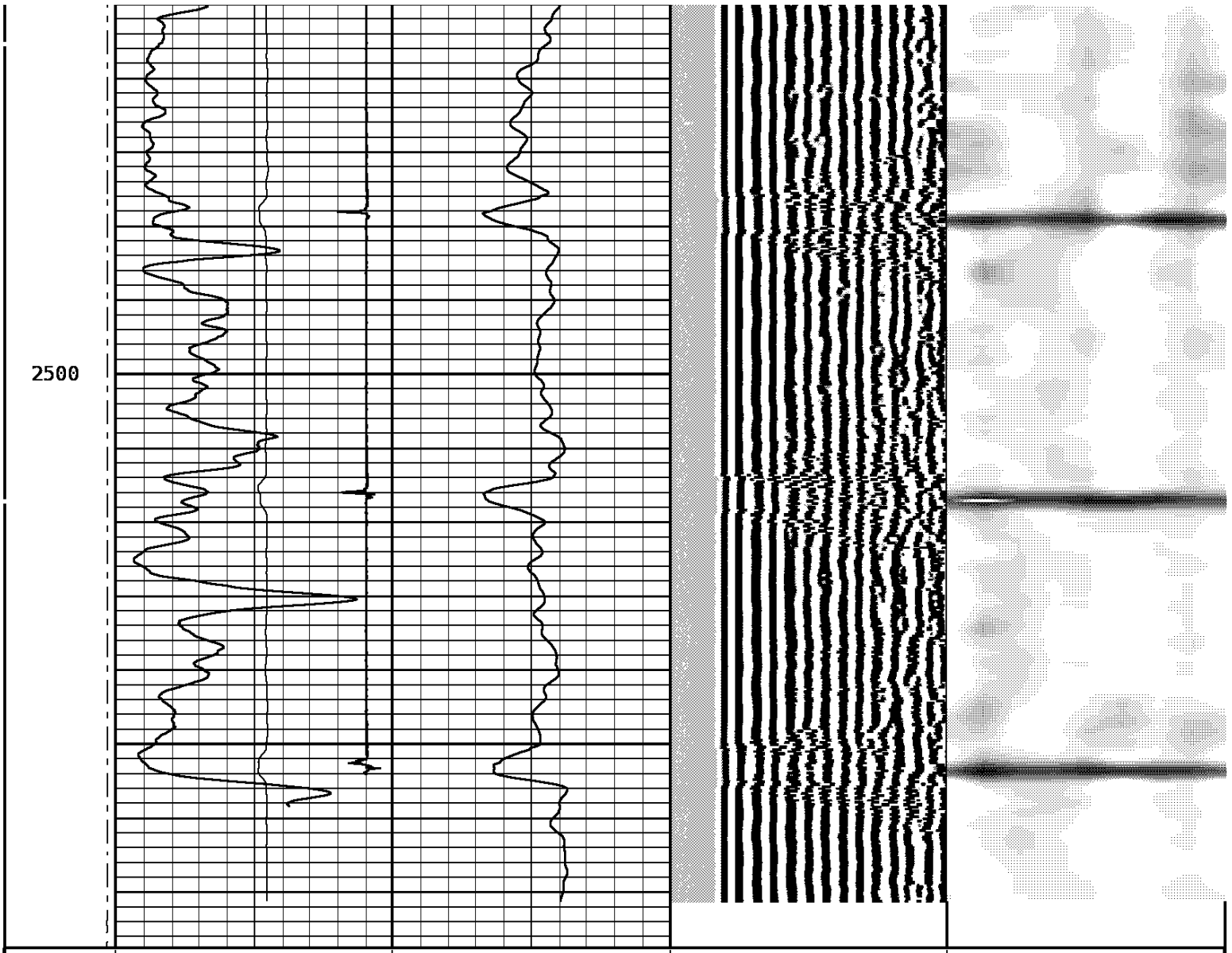
FREEPIPE

171015 FREEPIPE

FINISH DEPTH: **2376.6** Feet DIRECTION: **UP** DATE: **09/16/2010** TIME: **23:36** MODE: **RECOMPUTE**
RECOMPUTED DATE: **09/16/2010** TIME: **23:38**

Tension	Collar Locator	Gamma Ray	AMPX5		
	-500 Millivolts 50	0 API 150	0 Millivolts 20		
6000 0	TRAVEL TIME 3FT	AMPLITUDE 3FT	VDL	VARIABLE ENERGY	
	380 Microseconds 180	0 Millivolts 100	200 Microseconds 1200	0 Millivolts 100	





Tension	TRAVEL TIME 3FT	AMPLITUDE 3FT	VDL	VARIABLE ENERGY
6000 0	380 Microseconds 180	0 Millivolts 100	200 Microseconds 1200	0 Millivolts 100
	Gamma Ray	**AMPX5**		
	0 API 150	0 Millivolts 20		
	Collar Locator			
	-500 Millivolts 50			

START DEPTH: **2577.7** DIRECTION: **UP** DATE: **09/16/2010** TIME: **23:32** MODE: **RECOMPUTE**
RECOMPUTED DATE: **09/16/2010** TIME: **23:38**

171015 FREEPIPE

FREEPIPE

DEPTH SCALE: **5":100'** VERSION: **80214133R"**

DEPTH SCALE: **5":100'**

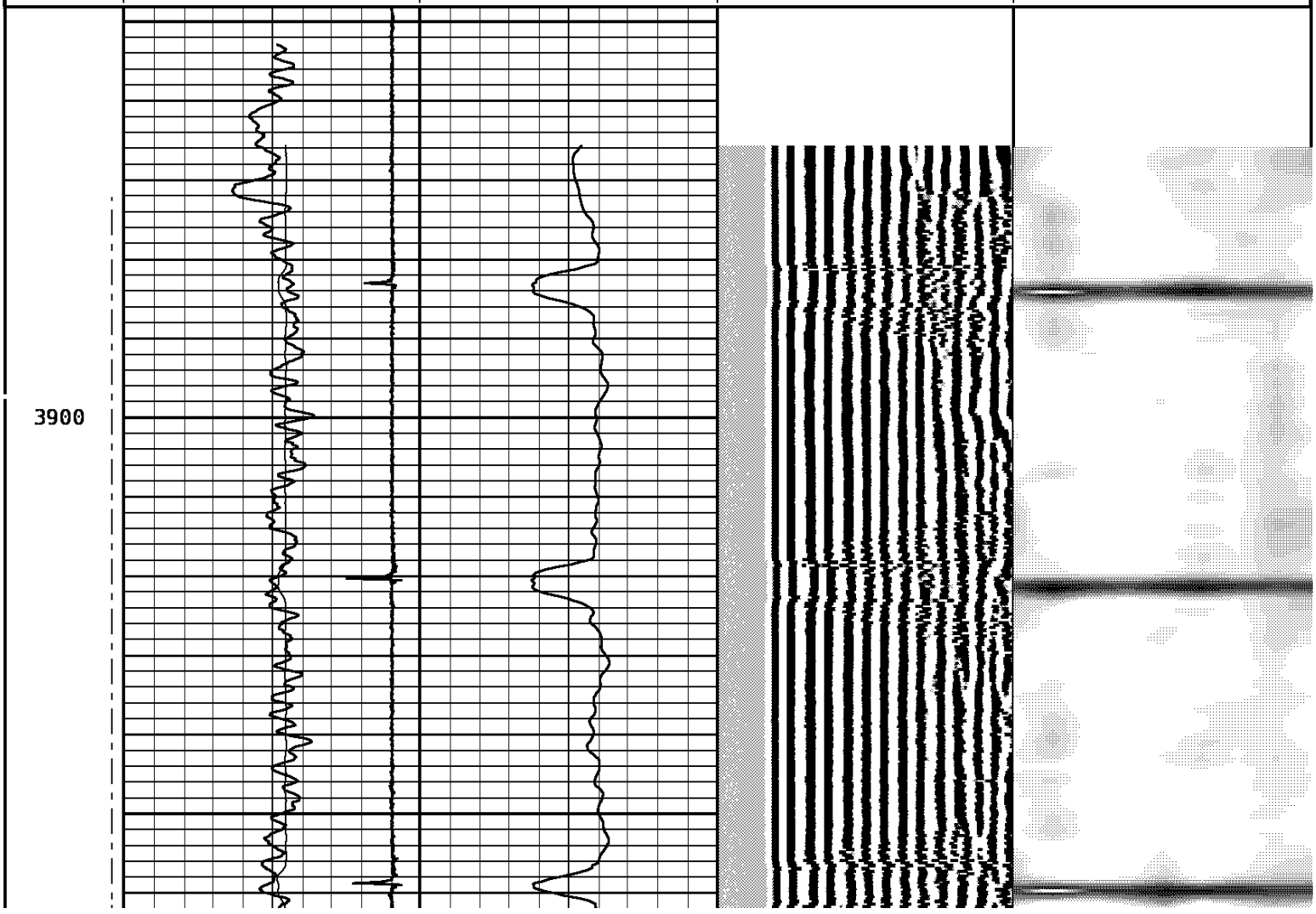
VERSION: **80214133R"**

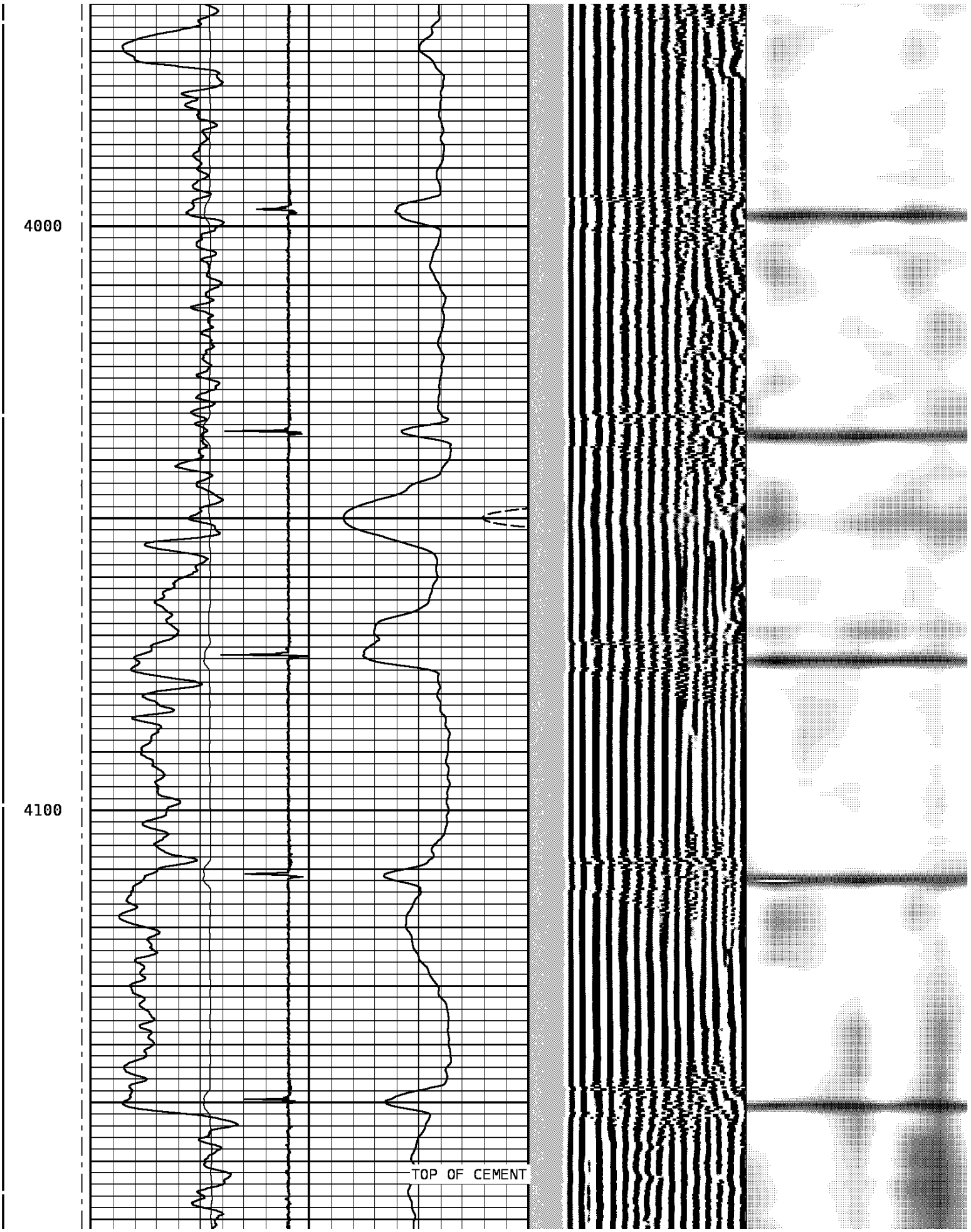
MAIN PASS

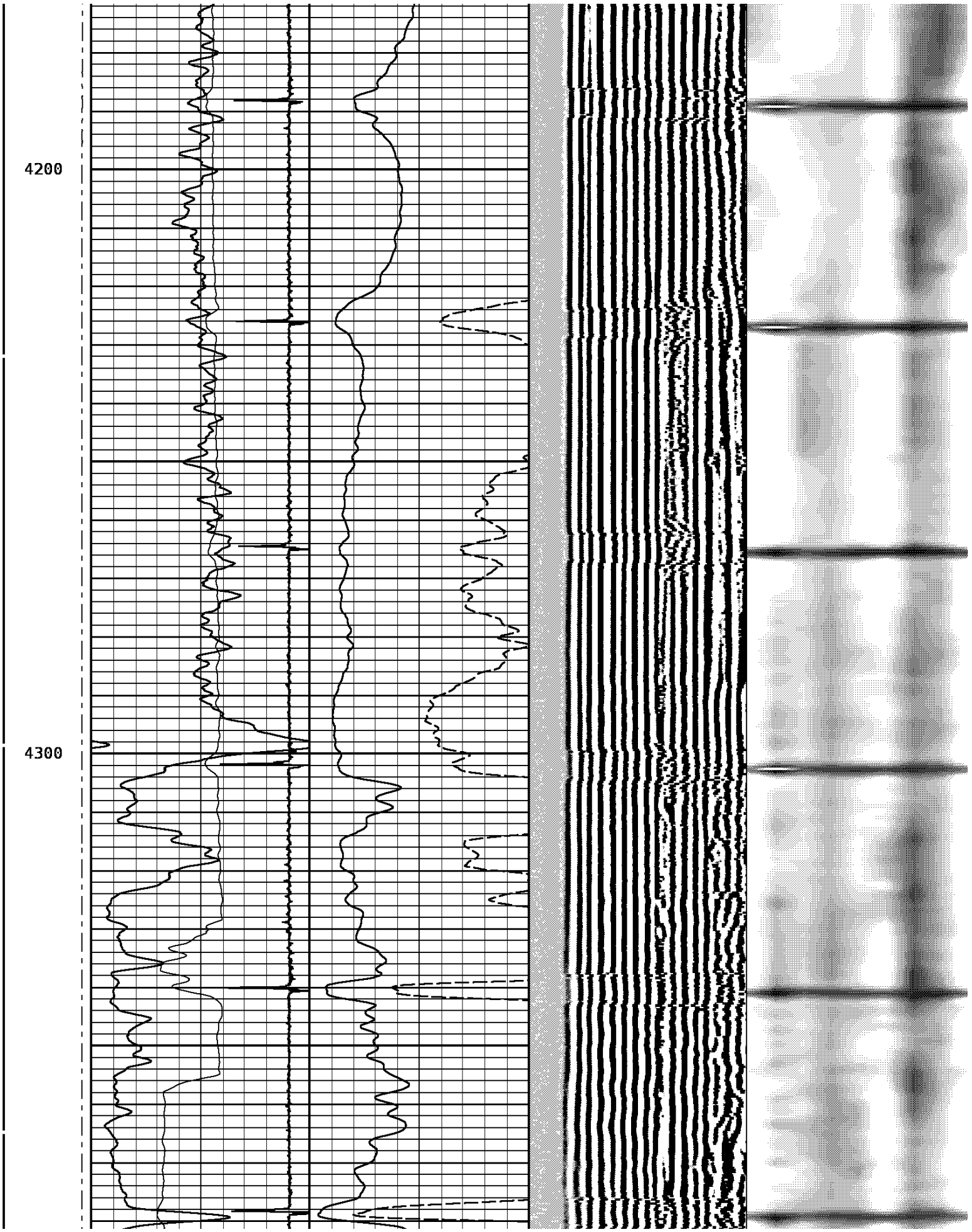
171015 MAIN

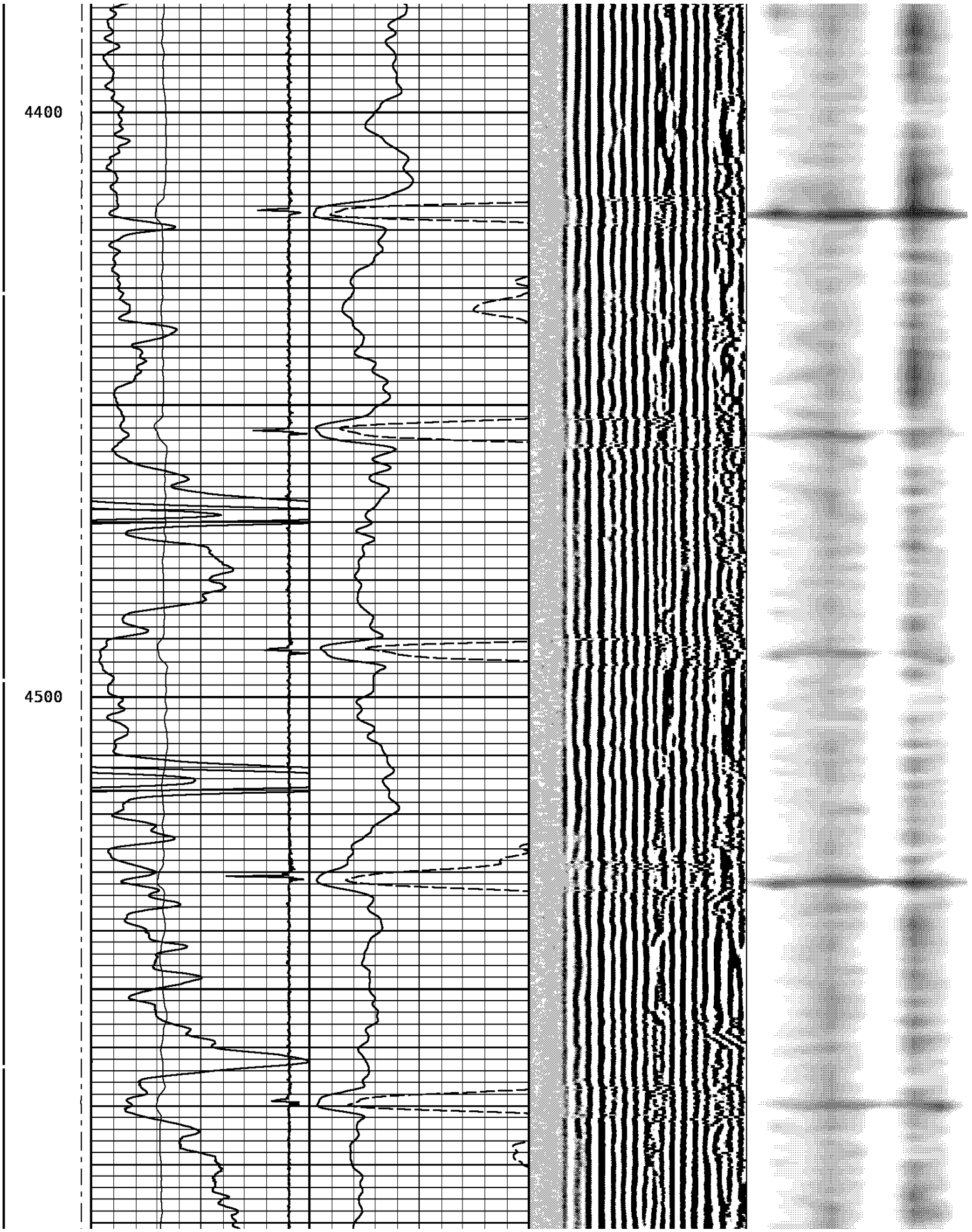
FINISH DEPTH: **3872.0** Feet DIRECTION: **UP** DATE: **09/17/2010** TIME: **00:19** MODE: **RECOMPUTE**
RECOMPUTED DATE: **09/17/2010** TIME: **00:21**

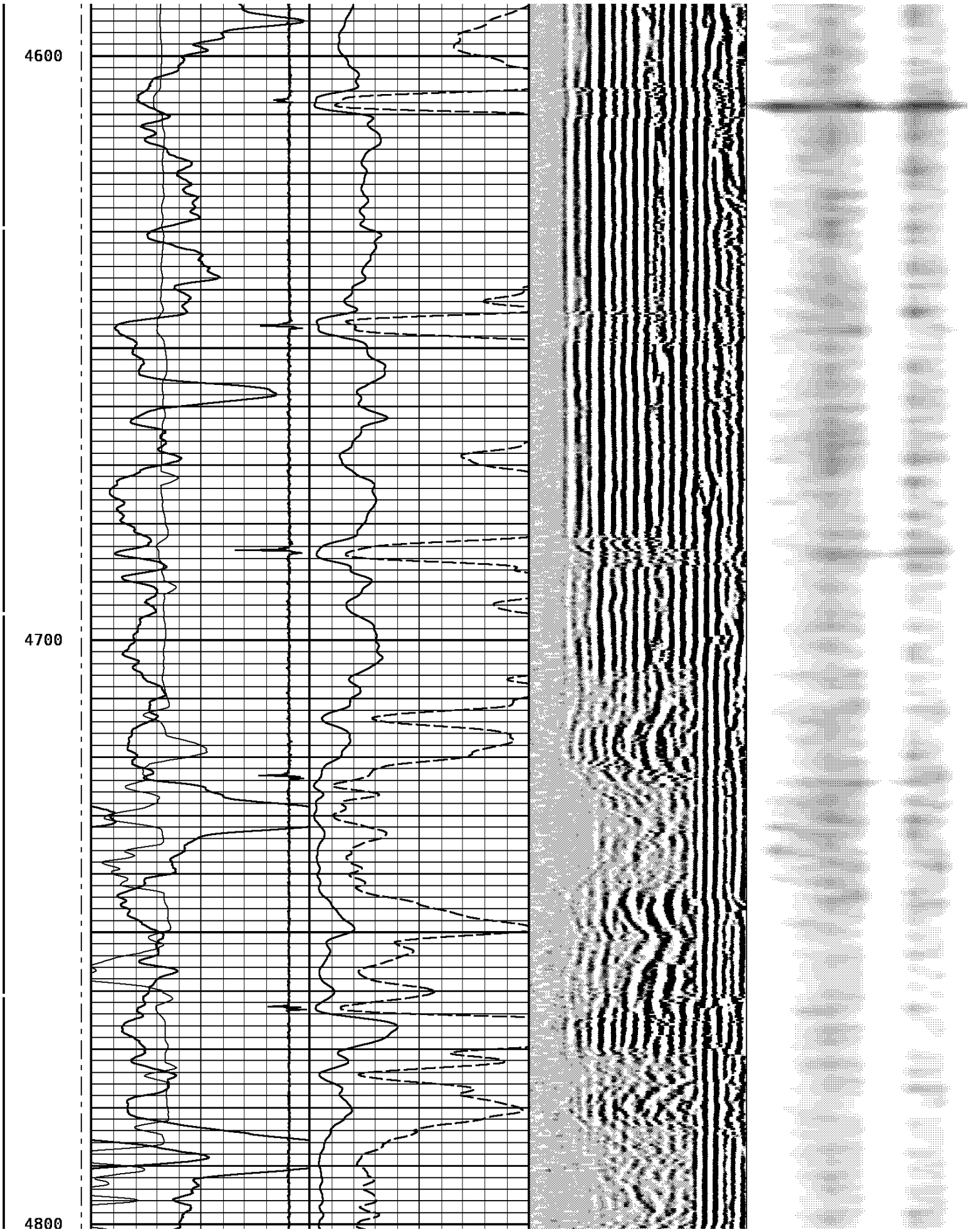
Tension	Collar Locator	Gamma Ray	AMPX5		
	-200 Millivolts 20	0 API 150	0 Millivolts 20		
6000 0	TRAVEL TIME 3FT	AMPLITUDE 3FT	VDL	VARIABLE ENERGY	
	380 Microseconds 180	0 Millivolts 100	200 Microseconds 1200	0 Millivolts 100	

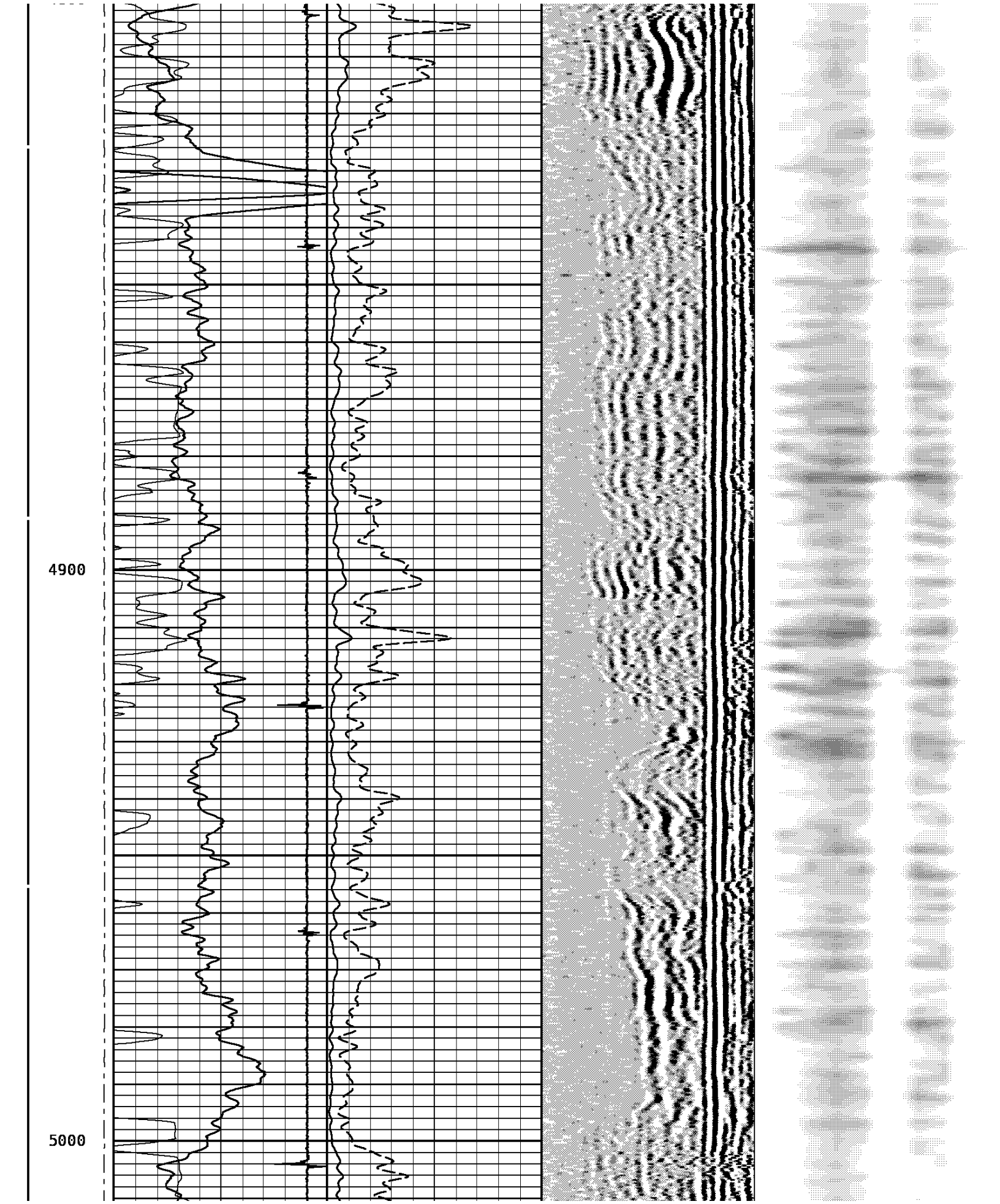


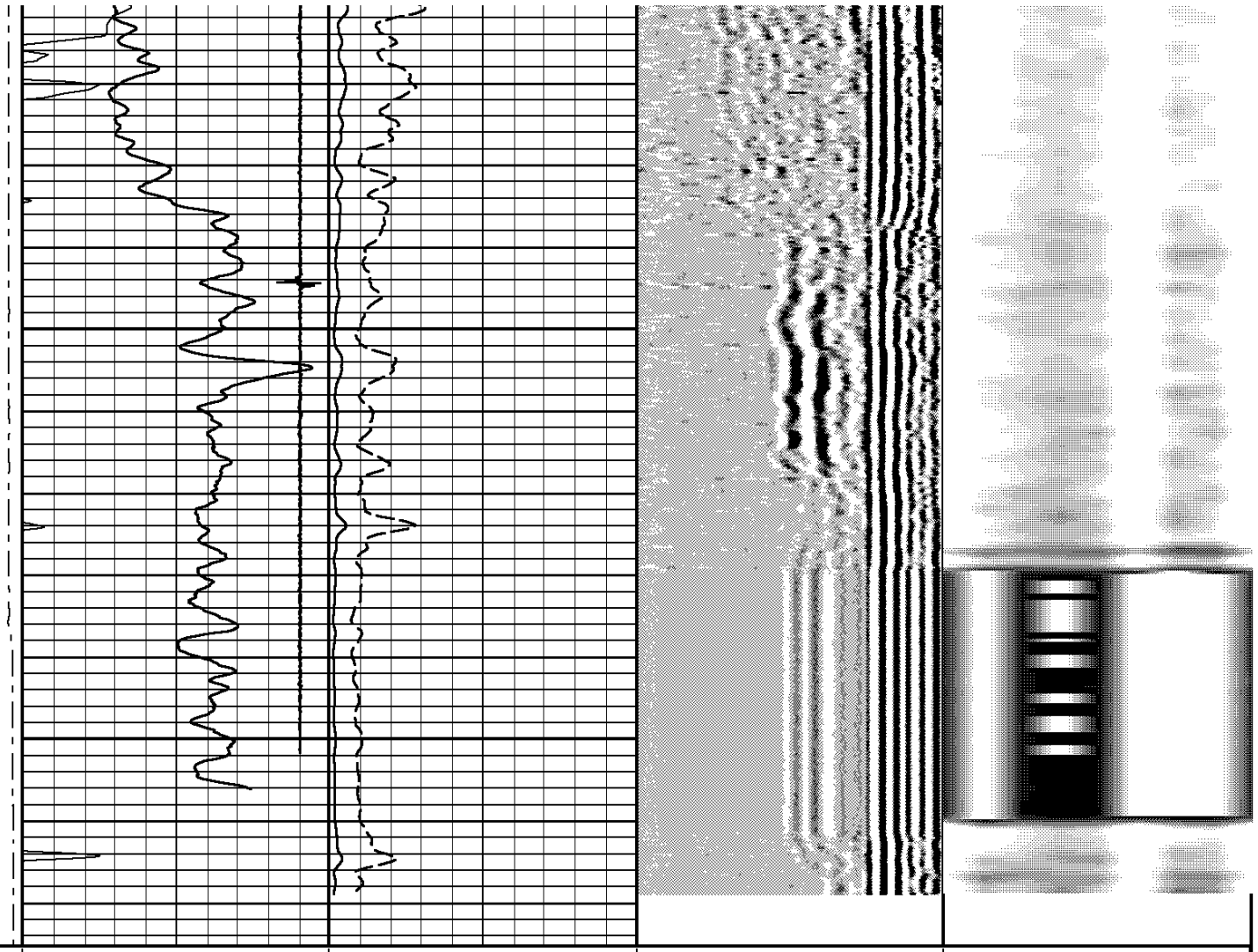

4000
4100
TOP OF CEMENT


4200
4300


4400
4500


4600
4700
4800


4900
5000



Tension	TRAVEL TIME 3FT	AMPLITUDE 3FT	VDL	VARIABLE ENERGY
6000 0	380 Microseconds 180	0 Millivolts 100	200 Microseconds 1200	0 Millivolts 100

Gamma Ray	AMPX5
0 API 150	0 Millivolts 20

Collar Locator
-200 Millivolts 20

START DEPTH: **5125.3** DIRECTION: **UP** DATE: **09/17/2010** TIME: **00:00** MODE: **RECOMPUTE**
RECOMPUTED DATE: **09/17/2010** TIME: **00:21**

171015 MAIN

MAIN PASS

DEPTH SCALE: **5":100'** VERSION: **80214133R"**

DEPTH SCALE: **5":100'**

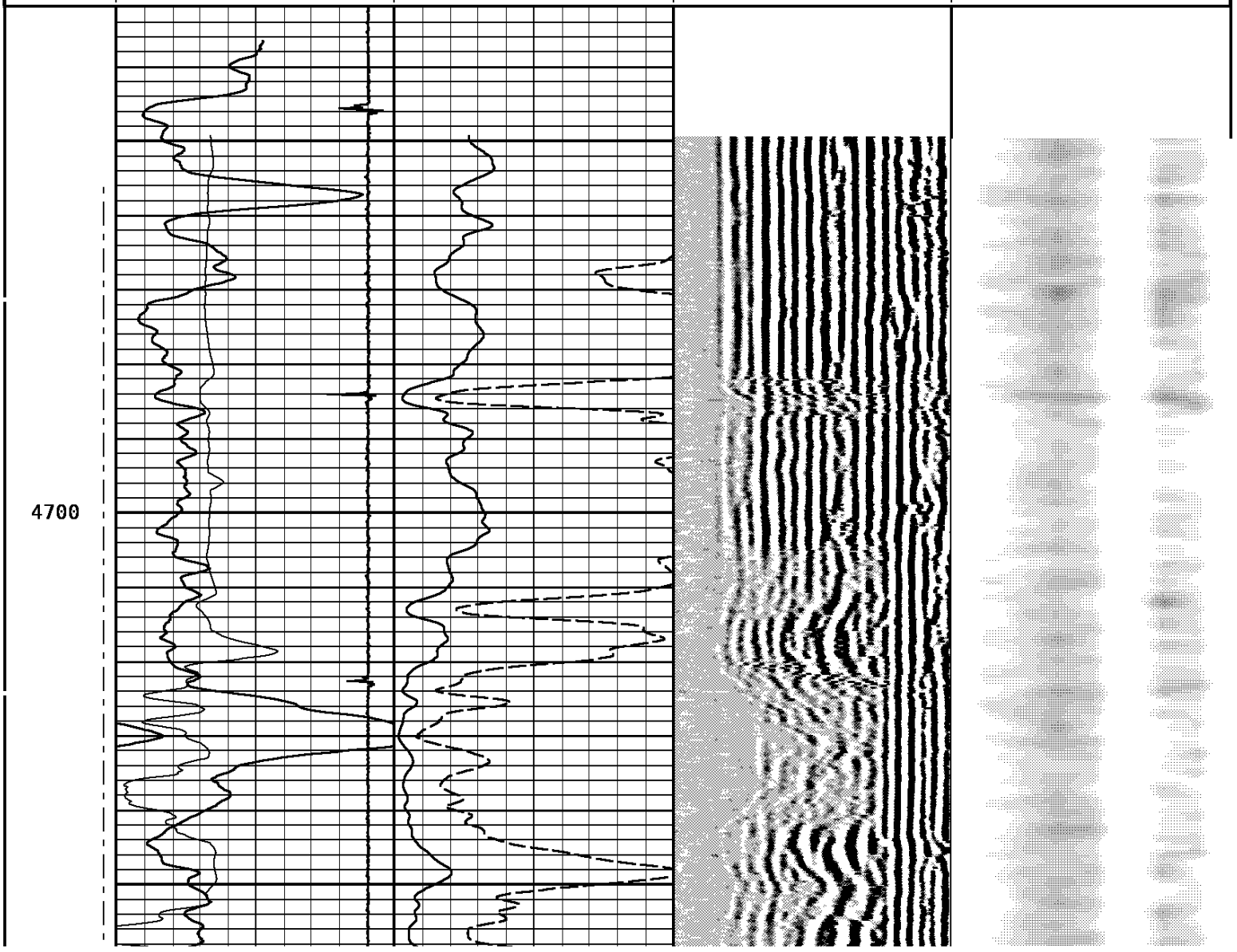
VERSION: **80214133R"**

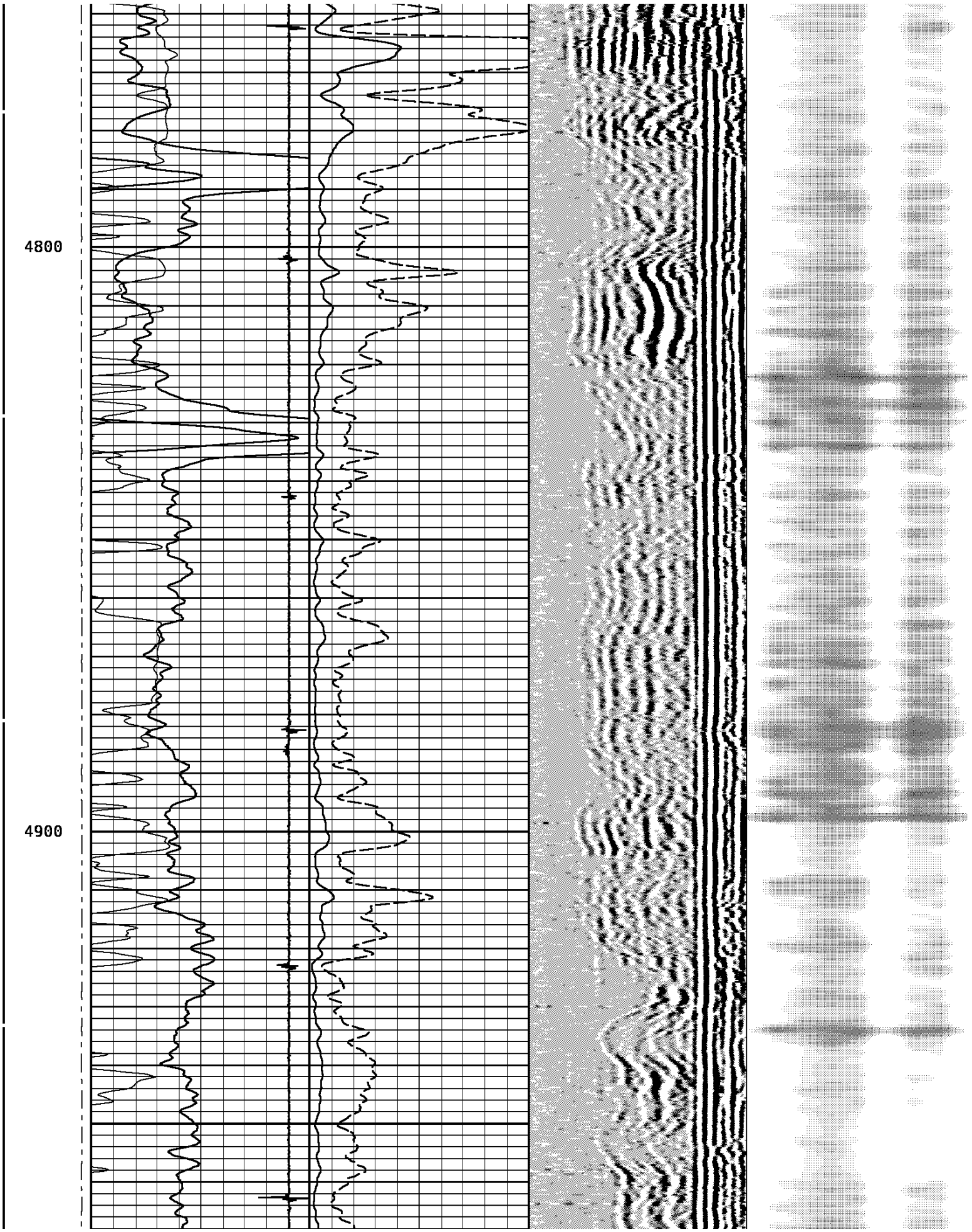
REPEAT PASS

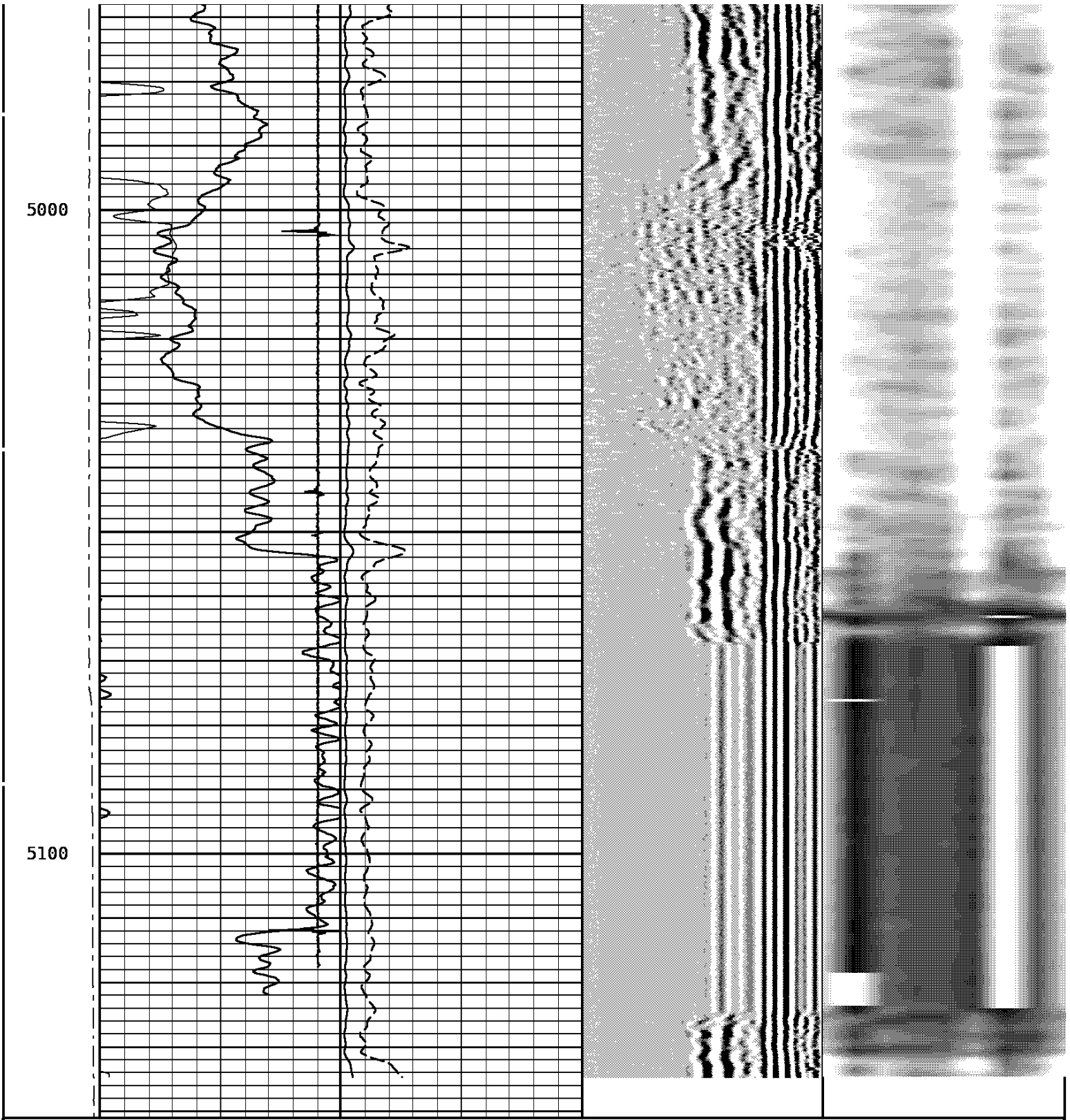
171015 REPEAT

FINISH DEPTH: **4655.6** Feet DIRECTION: **UP** DATE: **09/16/2010** TIME: **23:57** MODE: **RECOMPUTE**
RECOMPUTED DATE: **09/16/2010** TIME: **23:59**

Tension	Collar Locator	Gamma Ray	AMPX5		
	-200 Millivolts 20	0 API 150	0 Millivolts 20		
Tension	**TRAVEL TIME 3FT**		**AMPLITUDE 3FT**	**VDL**	**VARIABLE ENERGY**
6000 0	380 Microseconds 180		0 Millivolts 100	200 Microseconds 1200	0 Millivolts 100




4800
4900



Tension	TRAVEL TIME 3FT	AMPLITUDE 3FT	VDL	VARIABLE ENERGY
6000 0	380 Microseconds 180	0 Millivolts 100	200 Microseconds 1200	0 Millivolts 100
	Gamma Ray	AMPX5		
	0 API 150	0 Millivolts 20		
	Collar Locator			
	-200 Millivolts 20			

START DEPTH: **5140.8** DIRECTION: **UP** DATE: **09/16/2010** TIME: **23:48** MODE: **RECOMPUTE**
RECOMPUTED DATE: **09/16/2010** TIME: **23:59**

171015 REPEAT

REPEAT PASS

DEPTH SCALE: **5":100'** VERSION: **80214133R"**

1-11/16" Adaptor

Weight	2.2 lbs
Length	1.0 ft
Max. Diameter	1.7 in

Total Stack Weight 207.3 lbs in air
Total Stack Length 27.83 ft

Slim Hole Centralizer

Weight	11.9 lbs
Length	2.49 ft
Max. Diameter	2.7 in

Collar Locator

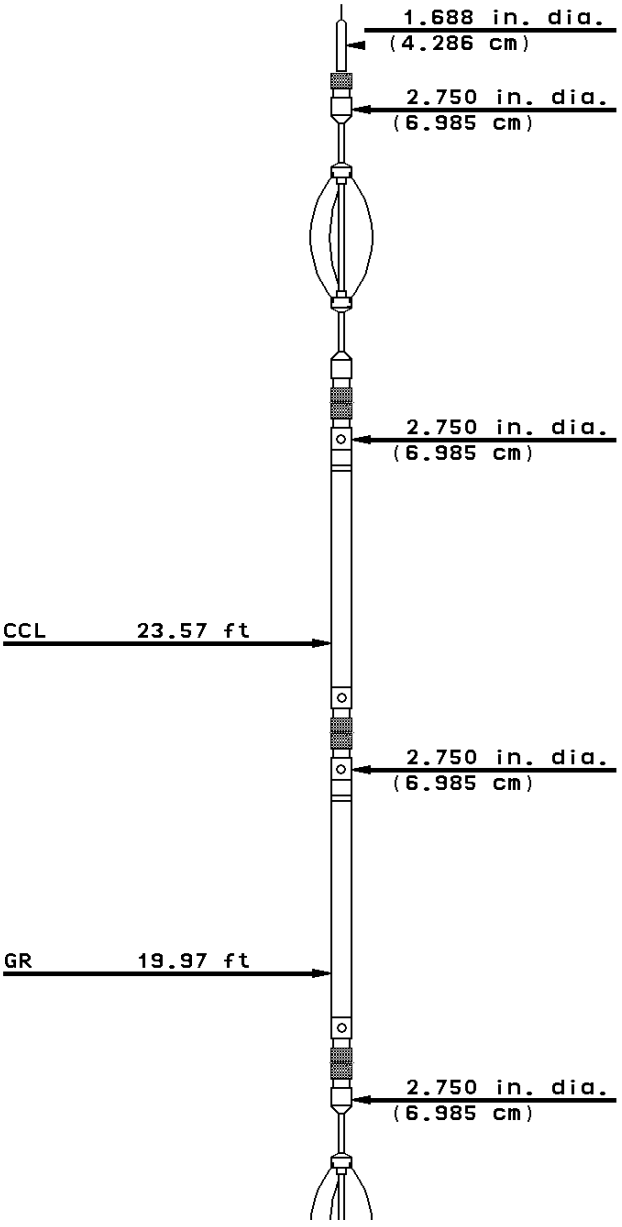
Weight	39.8 lbs
Length	3.40 ft
Max. Diameter	2.7 in

Slim Hole Gamma Ray

Weight	39.8 lbs
Length	4.71 ft
Max. Diameter	2.7 in

Slim Hole Centralizer

Weight	23.8 lbs



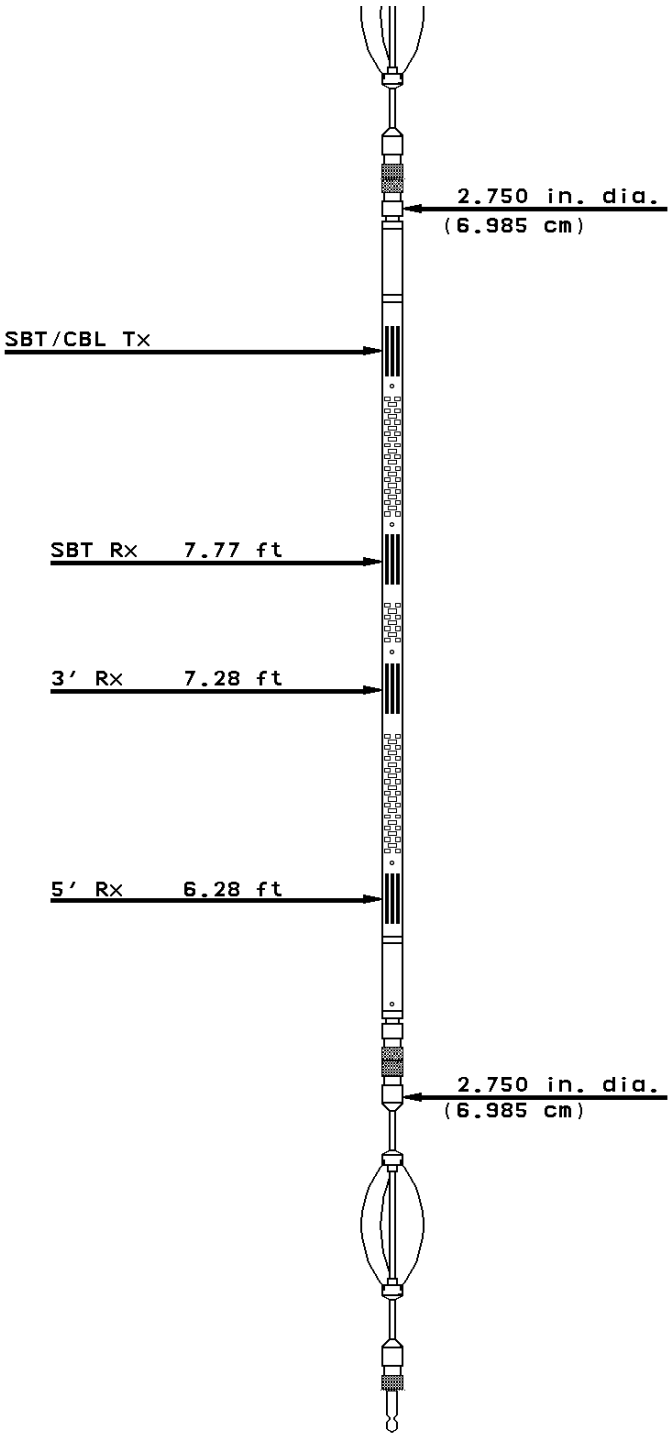
Length	3.08 ft
Max. Diameter	2.7 in

Sector Bond

Weight	89.8 lbs
Length	10.32 ft
Max. Diameter	2.7 in

Slim Hole Centralizer

Weight	11.9 lbs
Length	2.49 ft
Max. Diameter	2.75 in



COMPANY SANDRIDGE ENERGY

WELL SCHROCK 1-1H

FIELD WALDRON WEST

COUNTY BARBER STATE KANSAS

Weatherford®

SandRidge ENERGY

Well name:	**Schrock 1-1H**					
API Number:	15-007-23587					
AFE#	101337					
Corp ID	118840					
Field:	Waldron					
County, State:	Barber, KS					
Legals:	SEC-1	TWP-35S	RGE-11W			
Surface Location:	165'	FSL	660'	FWL		
BH Location:	302'	FNL	656'	FWL		
Elevation:	1374'	KB		DF	1351'	GL
Depths:	9342'	MD	9268'	PBTD		TOC

Engineer:	Tyler Howle	405-397-9697 (c)	thowle@sdrge.com
Geologist:	Kathy Gentry	405-429-5738 (o)	kgentry@sdrge.com
Prod Superintendent:	Dennis Miller	405-354-2727 (o)	dmiller1@sdrge.com
Comp Superintendent:	Shaun Sanders	580-334-3917 (c)	ssanders1@sandridgeenergy.com

CSG	Bit Size	OD	ID	Drift	Grade	Thd	Wt/Ft	Cap (bbl/ft)	Burst	Collapse	Top	Set @
Surface	12.25"	9.625"	8.921"	8.765"	J-55	ST&C	36.0#	0.0773	3520	2020	0'	1010'
Int	8.75"	7.000"	6.276"	6.151"	P-110	LT&C	26.0#	0.0382	9960	6210	0'	5380'
Liner	6.125"	4.500"	4.000"	3.875"	N-80	LT&C	11.6#	0.0155	7780	6350	4063'	9342'

Maximum allowable pressure is limited by B-Section: 5000 psi

Completion Summary

Complete **MISSISSIPPI** via 4-1/2" liner w/ 8 stages of slickwater.

Detailed Procedure

1. NU 7-1/16" 5K BOP (blinds on top, pipe on bottom) on top of 7/16" 5K B-section. Pressure test casing and blinds to 5000 psi.

2. MIRU WOR and pump truck. Unload and tally +/- 5350' 2-3/8" 5.95# P-110 PH6 tbg and +/- 3920' 2-7/8" 8.7# P-110 PH6 tbg.

3. TIH w/ the following:

    a) 3-3/4" rock bit
    b) 2-3/8" Regular x 2-3/8" PH6 bit sub
    c) +/- 5350' 2-3/8" 5.95# PH6 tubing
    d) +/- 3920' 2-7/8" 8.7# PH6 tubing

4. Clean out to PBTD @ +/- 9268'. **Mark tubing at PBTD before TOH w/ tubing.** Displace wellbore with fresh water containing 0.1 gal/1000 biocide. POOH and stand tubing in derrick. LD mill and bit sub.

5. Strap and space out TCP guns and pups. TIH w/ TCP guns on 2-3/8" 5.95# PH6 tubing and 2-7/8" 8.7# PH6 tubing **(Do not tag PBTD with guns).** Perforate **Stage 1** (23 gram, 0.42" EH, 60° phasing)

TD Notice

September 16, 2010

Shrock #1-1H,1-T35S-R11W, Barber County, Kansas
API # 1500723587-01-00

SL: S1/2 S1/2 SWSW (165' fsl & 660' fwl of SW/4)
BHL: N/2 NWNW (330' fnl & 660' fwl of NW/4)

SPUD: 9/3/2010 @ 8:30 am

TMD Driller @ 9,342' MD/4,908' TVD @ 2:00 pm 9/18/10
Vertical E-logs received 9/11/10 @ 11:50 am –ThruBit
Lateral E-Logs received 9/19/2010 @ 11:30 am; TMD Logger @ 9,298' -ThruBit

Datum 1,374' KB

	E-LOG TOPS *If from Gamma Ray only		MUD LOG TOPS	
FORMATION	MD/TVD	SUBSEA	MD/TVD	SUBSEA
Base Anhydrite	1832'	-458'	NDA	NDA
Base Heebner	3720'	-2346'	3692'	-2318'
Tonkawa Zone Marker	3964'	-2590'	3974'	-2600'
Cottage Grove	4298'/4294'	-2920'	4306'/4304'	-2930'
Oswego Limestone	4676'/4606'	-3232'	4678'/4608'	-3234'
Cherokee Group *	4787'/4671'	-3297'	4791'/4672'	-3298'
Verdigris Limestone	NDA	NDA	NDA	NDA
Mississippi Chat *	5148'/4816'	-3442'	5147'/4811'	-3437'
Mississippi Lime *	5610'/4844'	-3470'	5610'/4841'	-3467'

Mud Log – Miss Chat/Limestone/Dolomite: 50-250 unit gas shows with gold to yellow fluorescence, streaming cuts, flash cuts, slight to spotty to good residual rings

Feel free to call with questions/comments.

Best,

Kathy Gentry, Senior Geologist
Tammy Alcorn, Associate Geologist