

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM116575

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
REBEL 20 FED 5H9. API Well No.
30-025-42769-00-X110. Field and Pool, or Exploratory
COTTON DRAW11. County or Parish, and State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION CO

Contact: REBECCA DEAL

Email: REBECCA.DEAL@DVN.COM

3a. Address

333 WEST SHERIDAN AVE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-228-8429

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 20 T24S R32E NWNW 314FNL 472FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attn: Charles Nimmer

Actual procedure for Bradenhead squeeze on the Rebel 20 Fed 5H: Pumped down the annulus of out 5-1/2" x 9-5/8" casings to provide adequate isolation and coverage of cement on the backside of the 5-1/2" production casing. Original production cement job achieved a top of cement of ~5,450' MD which was below the immediate 9-5/8" casing shoe(4,551'). The cement squeeze was 200 sxs (67 bbls) of 12.9 ppg EconoCem HLC cement. This was displaced with 150 bbls of freshwater to displace the cement to cover the 9-5/8" shoe. The bond log run after the job showed cement coverage from the squeeze from 3,200' to 4,630' covering the intermediate shoe and providing the needed isolation. Please see attached post job report and logs.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #341975 verified by the BLM Well Information System

For DEVON ENERGY PRODUCTION CO LP, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 06/15/2016 (16PP0786SE)

Name (Printed/Typed) REBECCA DEAL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/14/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

CHARLES NIMMER
Title PETROLEUM ENGINEER

Date 06/15/2016

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #341975 that would not fit on the form

32. Additional remarks, continued



RADIAL CEMENT BOND GAMMA RAY / COLLAR LOG

Company DEVON
Well REBEL 20 FEDERAL 5H
Field PADUCA
County LEA
State NEW MEXICO

Company DEVON
Well REBEL 20 FEDERAL 5H
Field PADUCA
County LEA
State NEW MEXICO

Location: API # : 30-025-42769

Other Services

314' FNL & 472' FWL
SEC. 20 T24S R32E
SEC TWP RGE
Permanent Datum GL
Log Measured From KB 25' APD
Drilling Measured From KB
Elevation 3571.40'
K.B. 3596.40'
D.F. NA
G.L. 3571.40'

Date 6/10/2016

Run Number ONE
Depth Driller 15.303'
Depth Logger 6010'
Bottom Logged Interval 6000'
Top Log Interval 2700'
Open Hole Size 8.75"
Type Fluid WATER
Density / Viscosity NA
Max. Recorded Temp. NA
Estimated Cement Top 3200'
Time Well Ready 9:00 AM
Time Logger on Bottom 10:00 AM
Equipment Number 119
Location ALBANY
Recorded By BRIT HUDSON
Witnessed By MIKE BRASWELL

Borehole Record
Run Number Bit From To Size Weight From To

Casing Record
Surface String 13.375" 54.50# SURFACE 860'
Prot. String 9.625" 40.00# SURFACE 4.551"
Production String 5.5" 17.00# SURFACE 15.259'
Liner

<<< Fold Here >>>

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

Comments

HOBBS OCD

JUN 20 2016

RECEIVED

THANK YOU FOR USING API PERFORATING

MAIN PASS

1,000 PSI

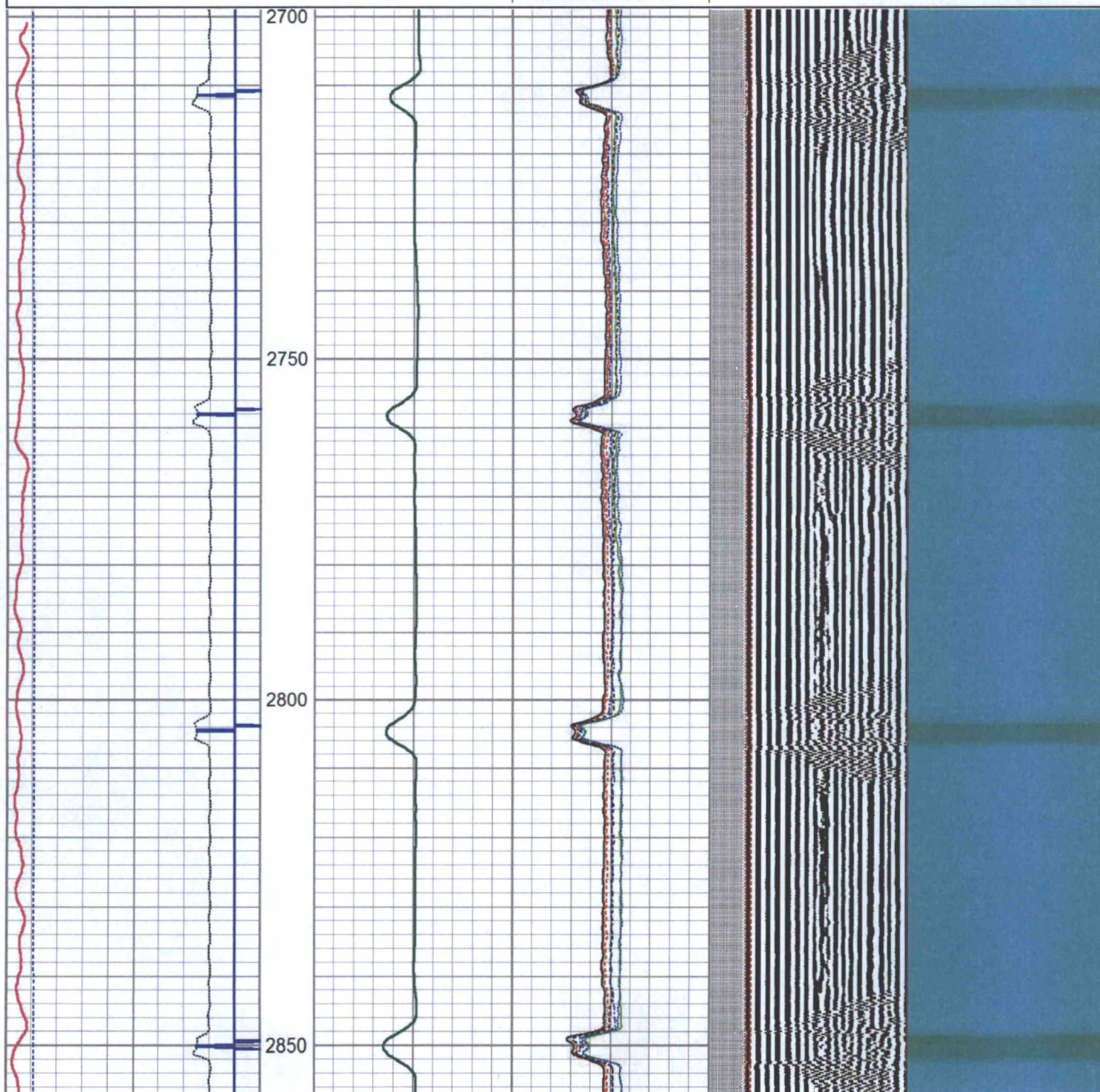
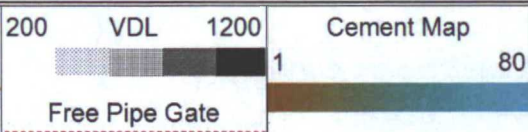


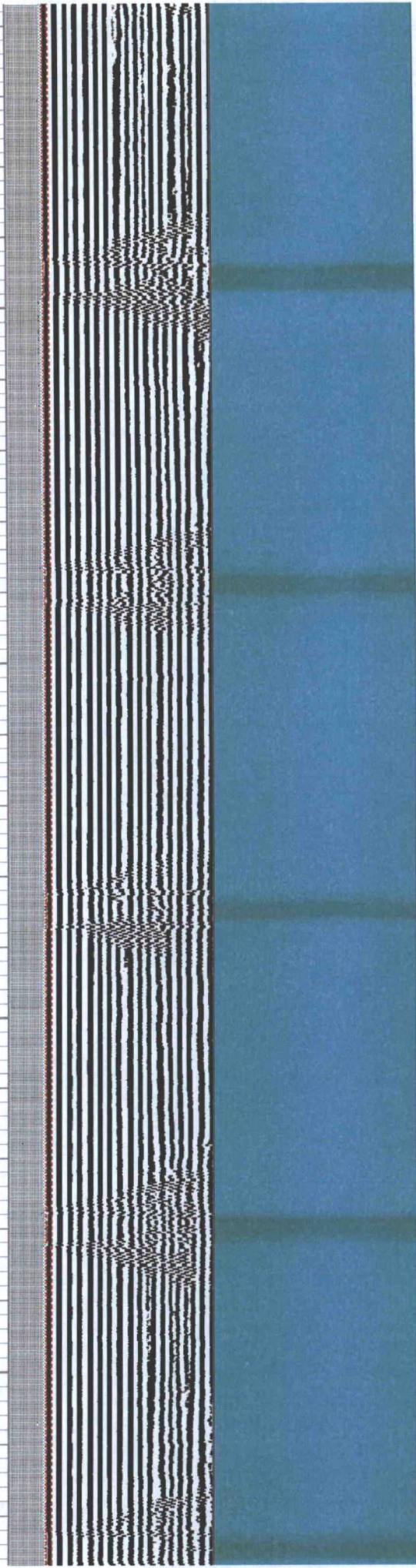
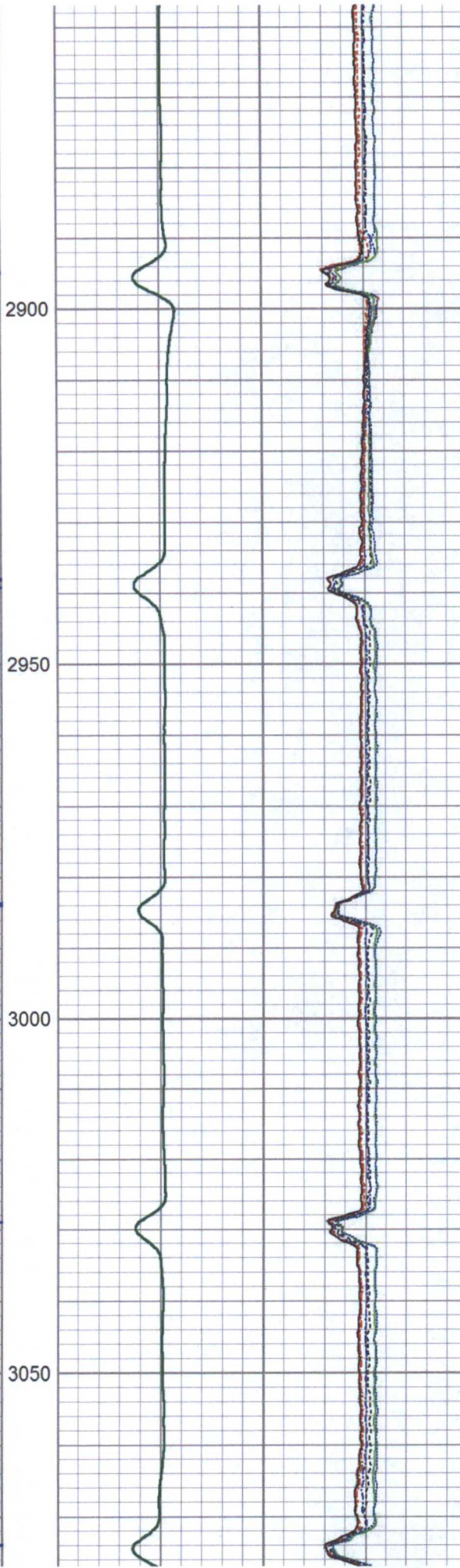
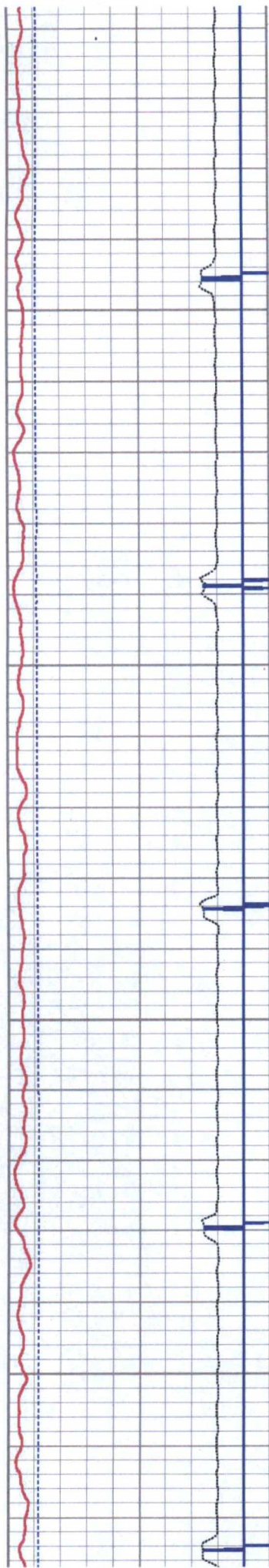
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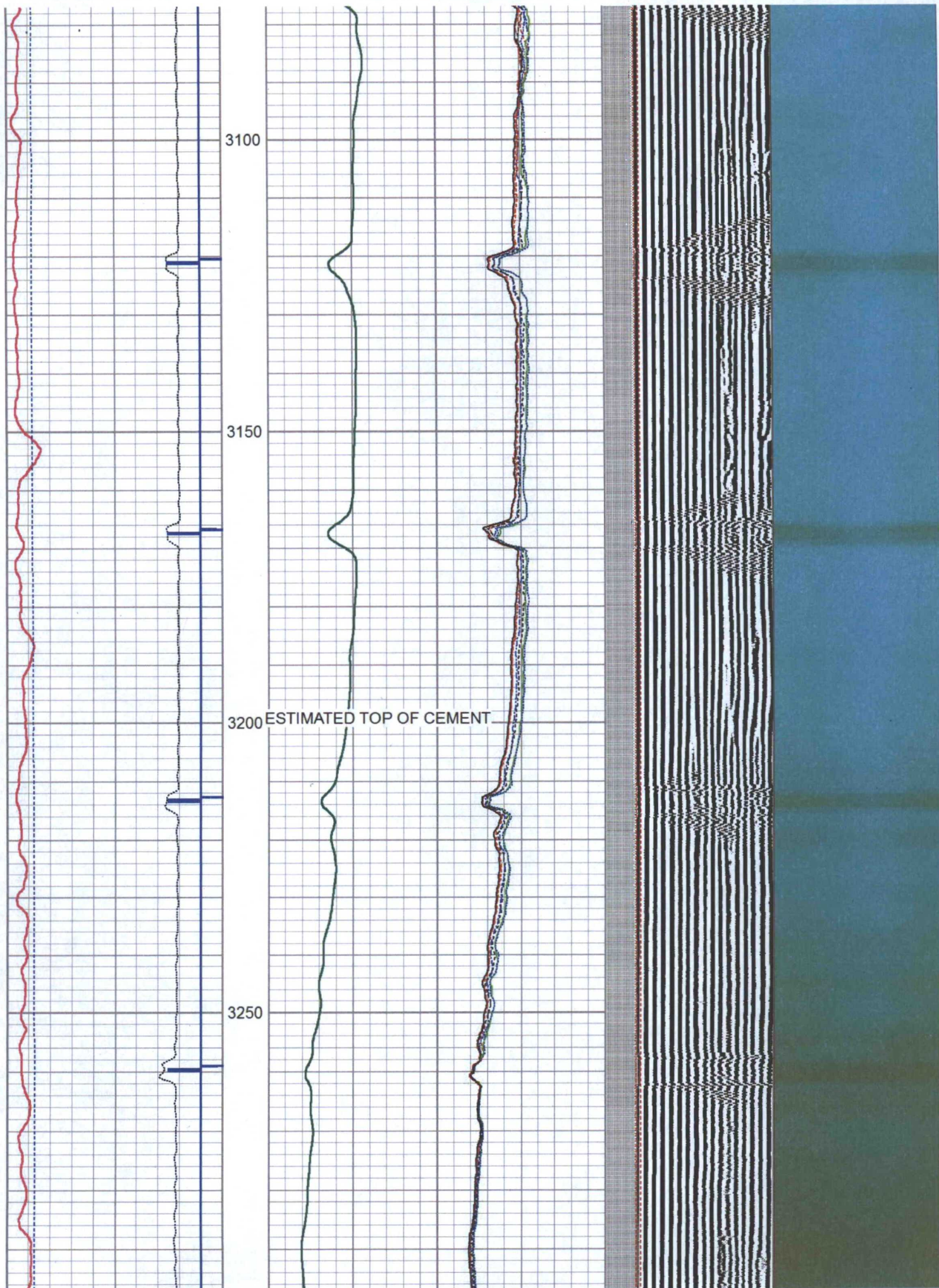
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 Dataset Creation: Fri Jun 10 10:22:39 2016 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

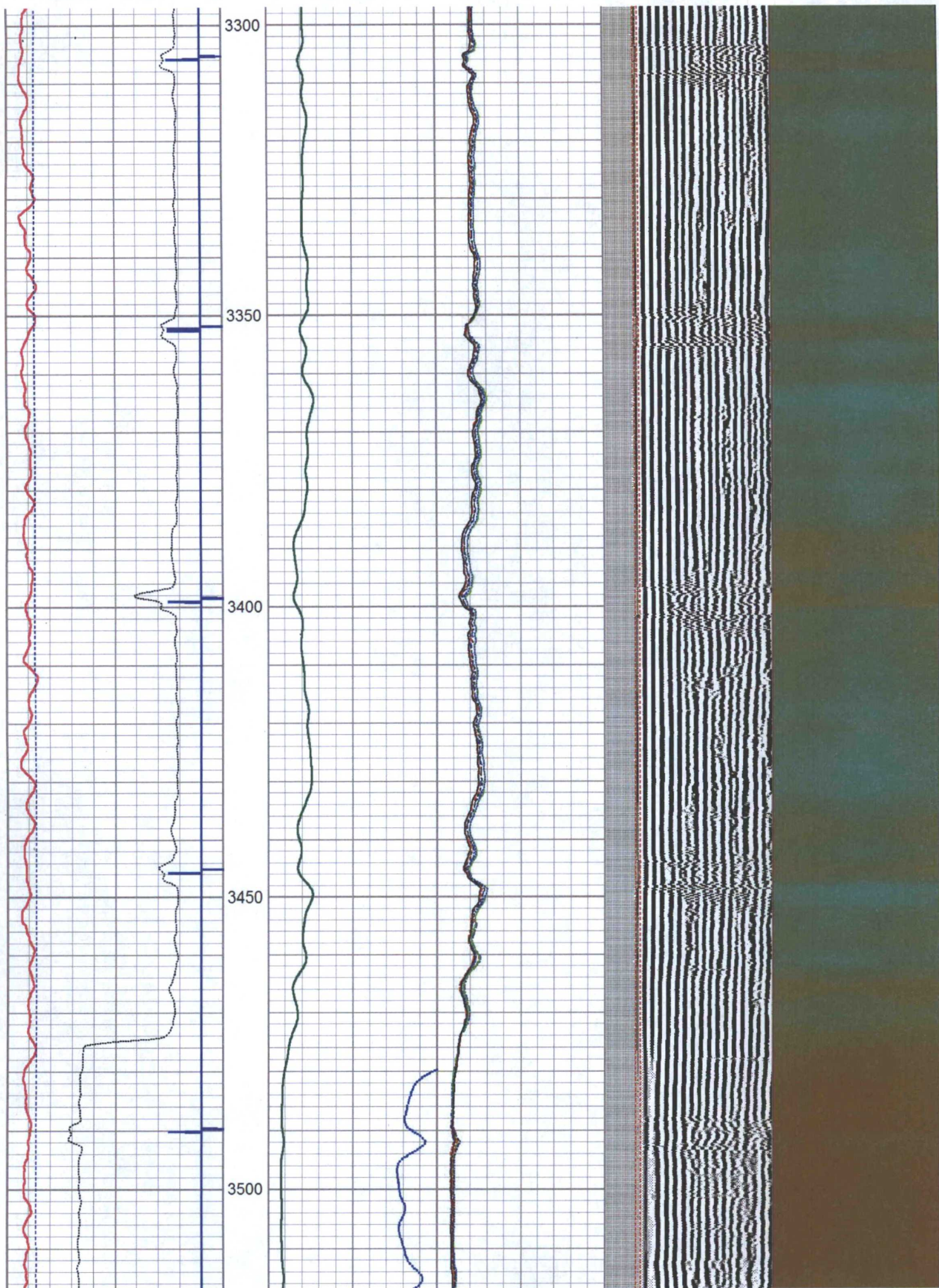
343	TT (usec)	243
-9	CCL	1
0	GR (GAPI)	150
0	LTEN (lb)	4000

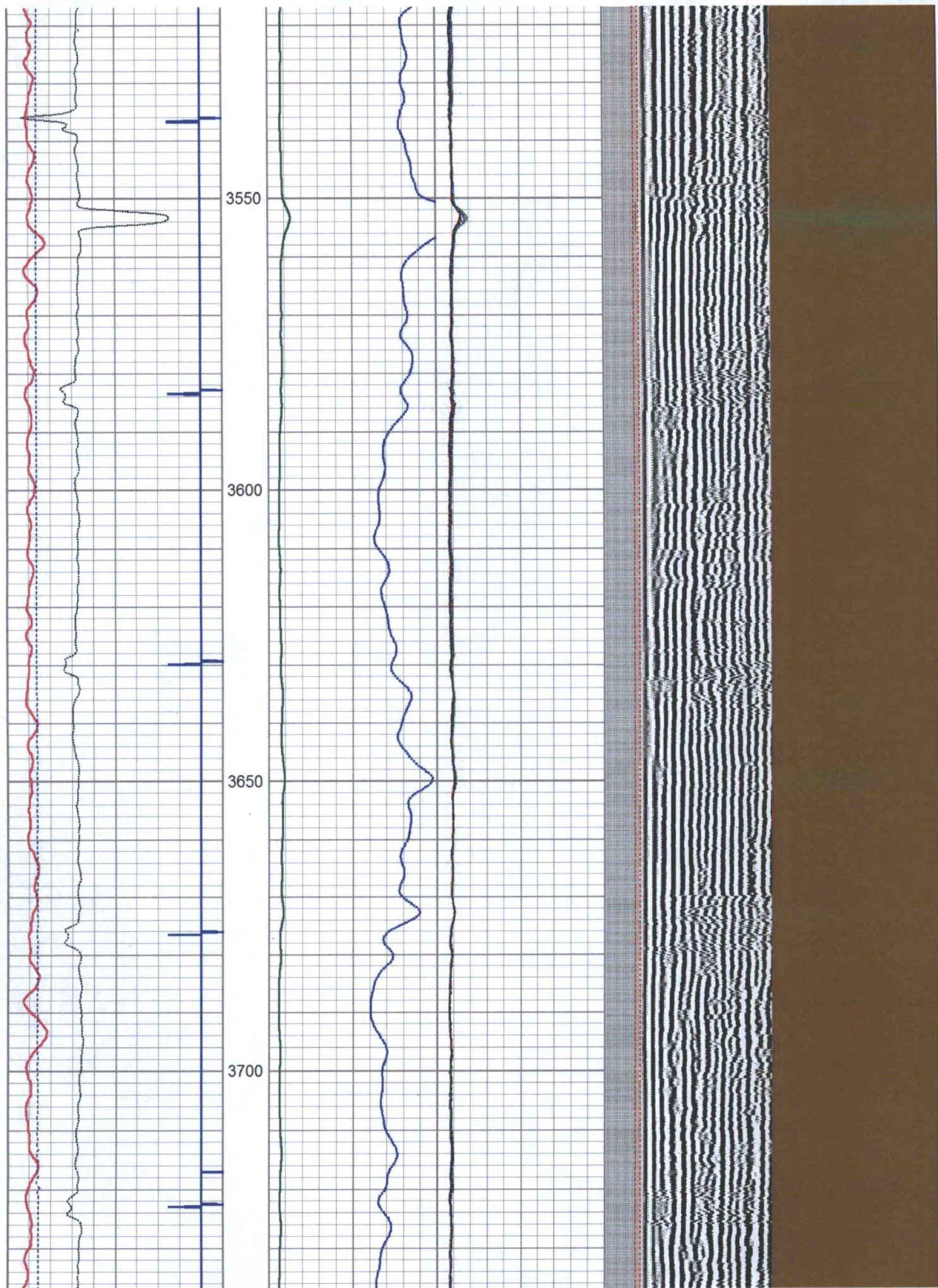
0	Amplitude (mV)	100	-5	AMPS2	150
	Amplified Amplitude		-5	AMPS3	150
0	(mV)	10	-5	AMPS4	150
			-5	AMPS5	150
			-5	AMPS6	150
			-5	AMPS7	150
			-5	AMPS8	150
			-5	AMPS1	150

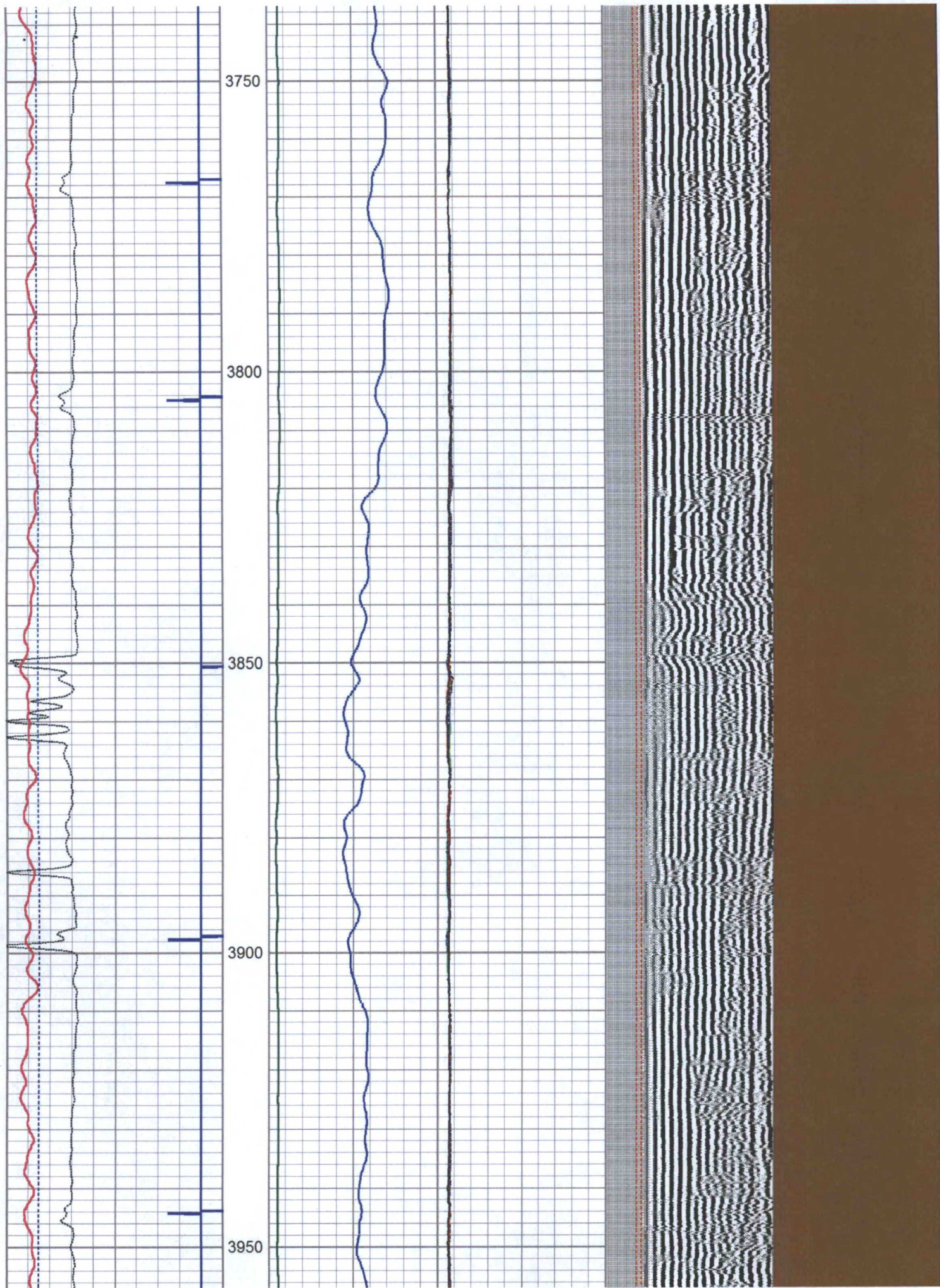


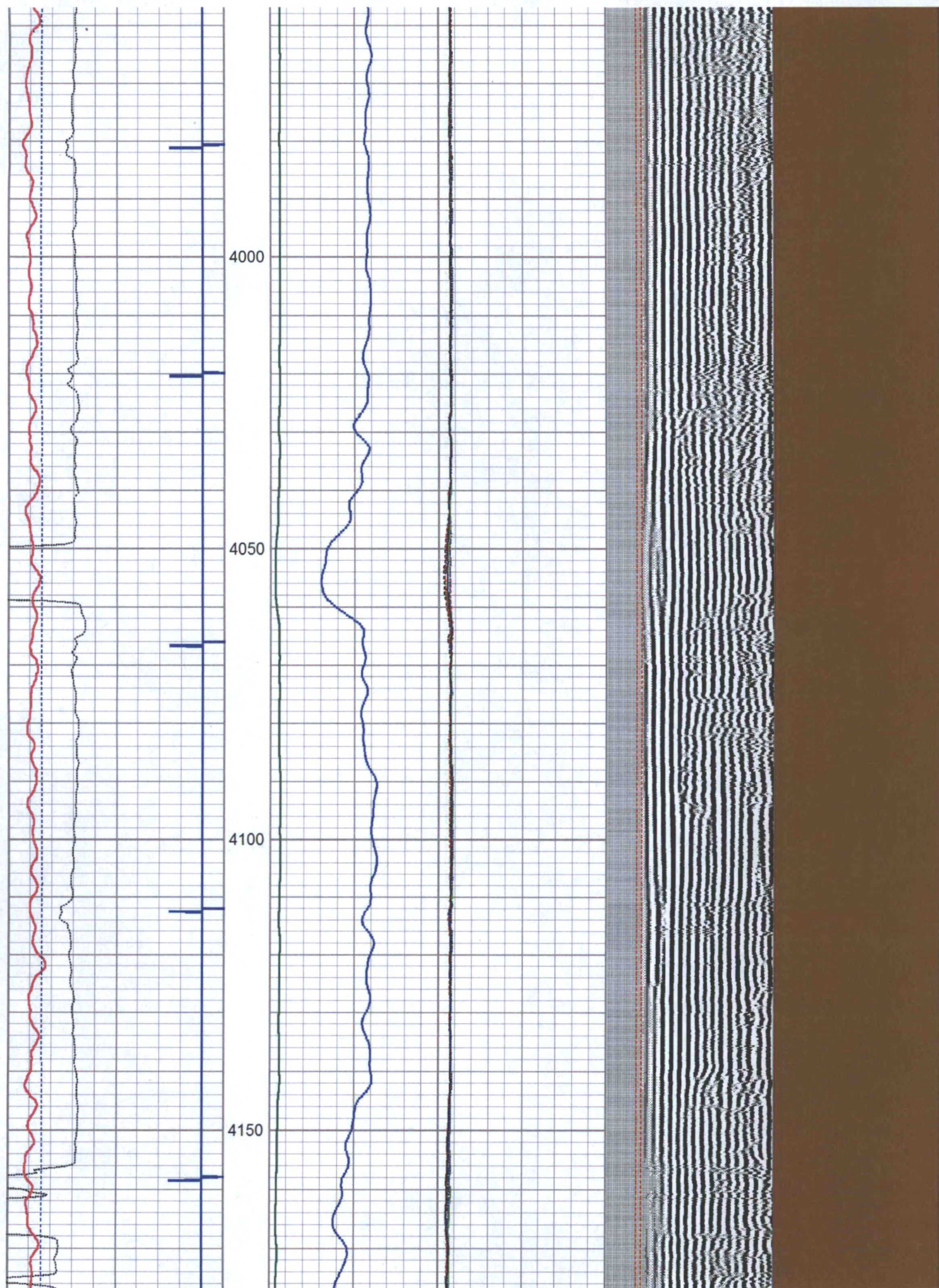


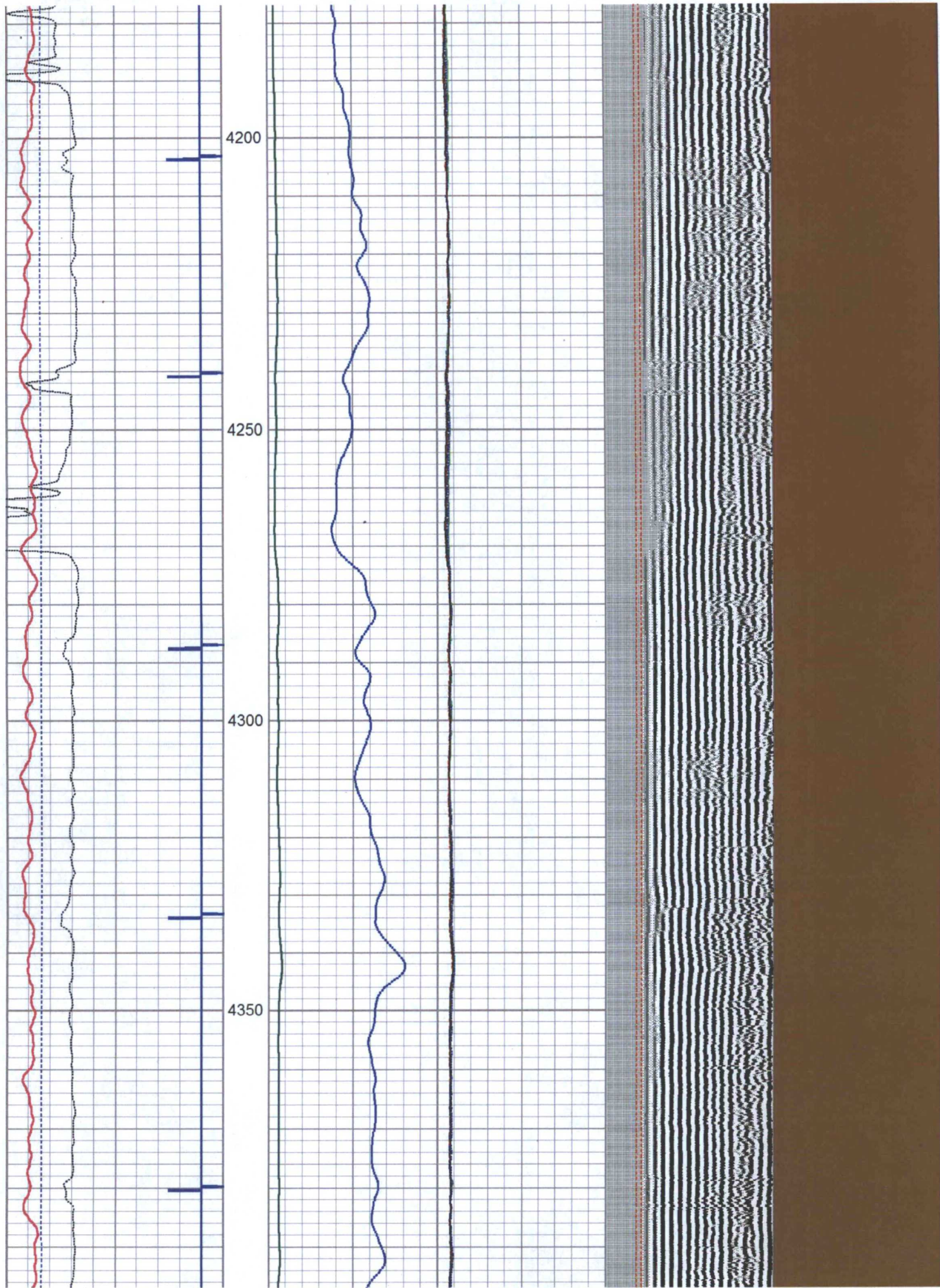


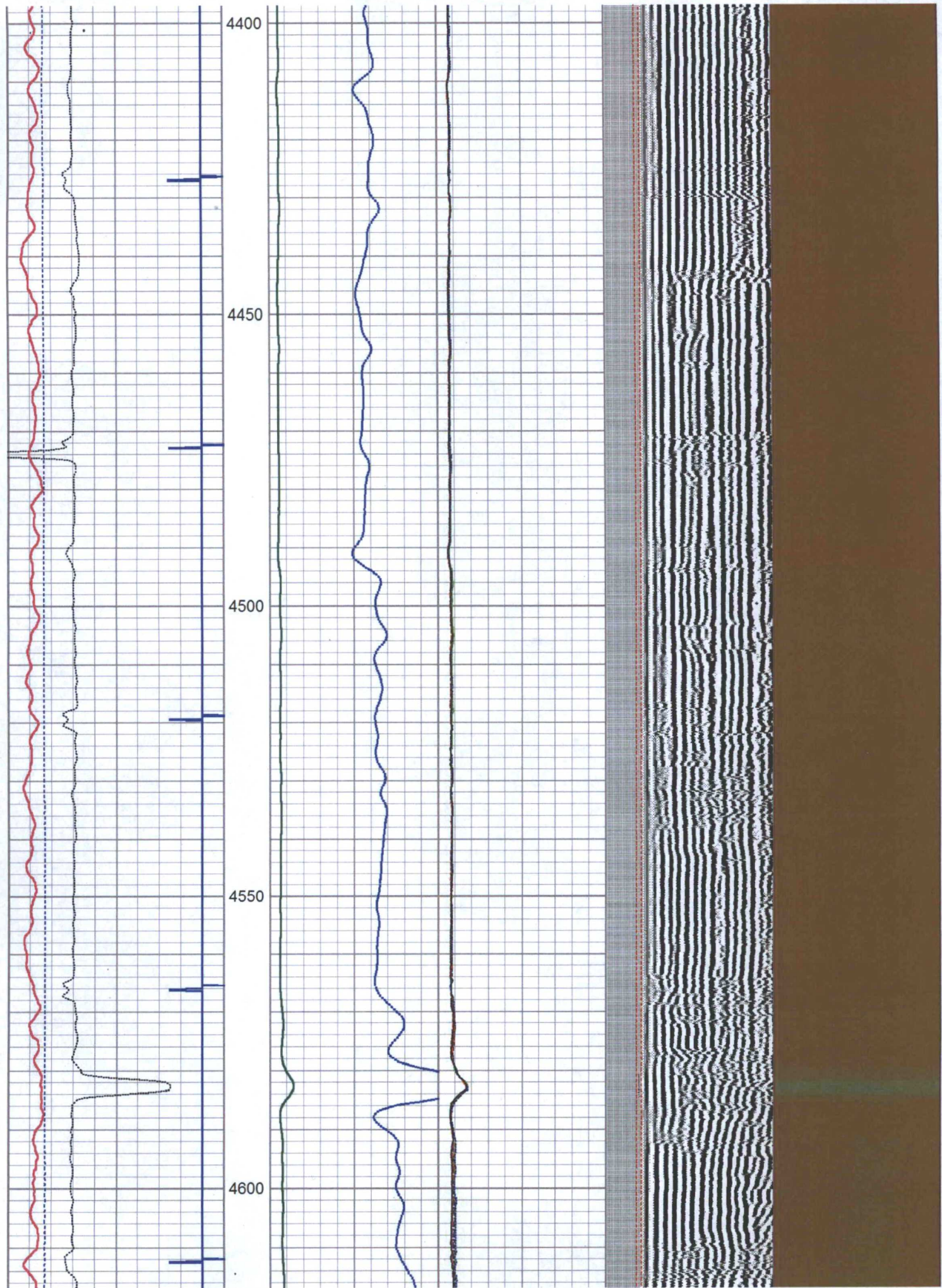


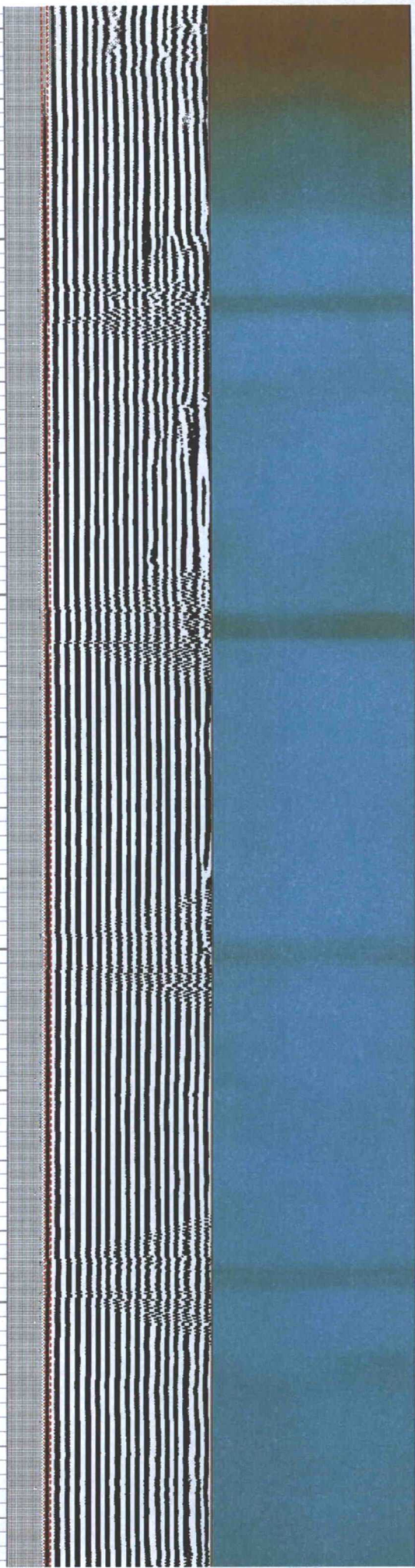
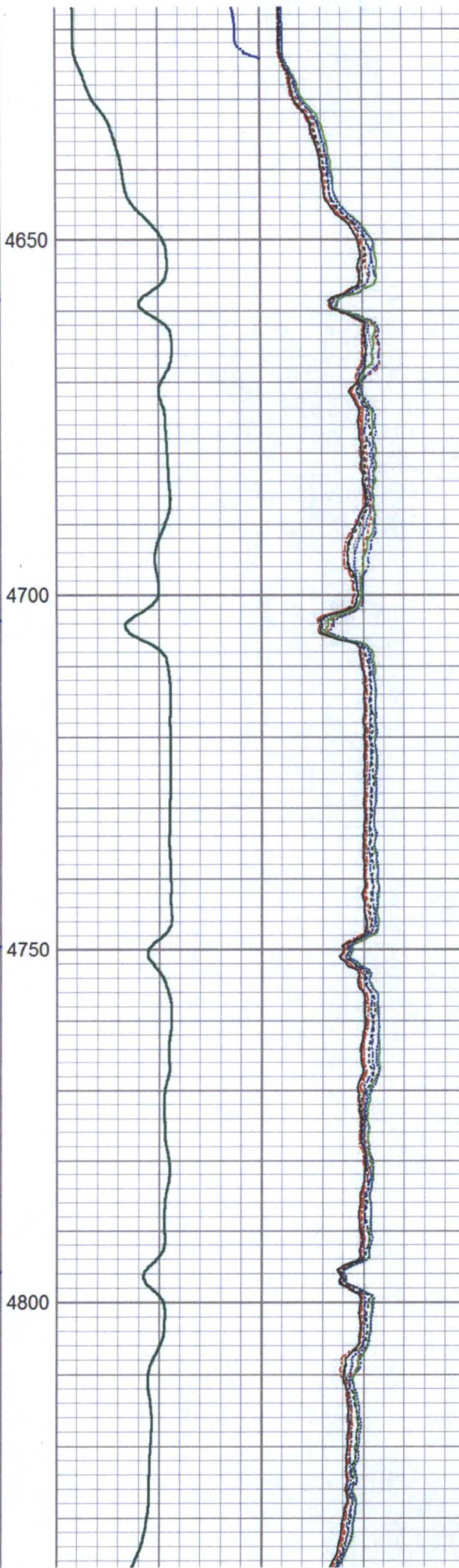
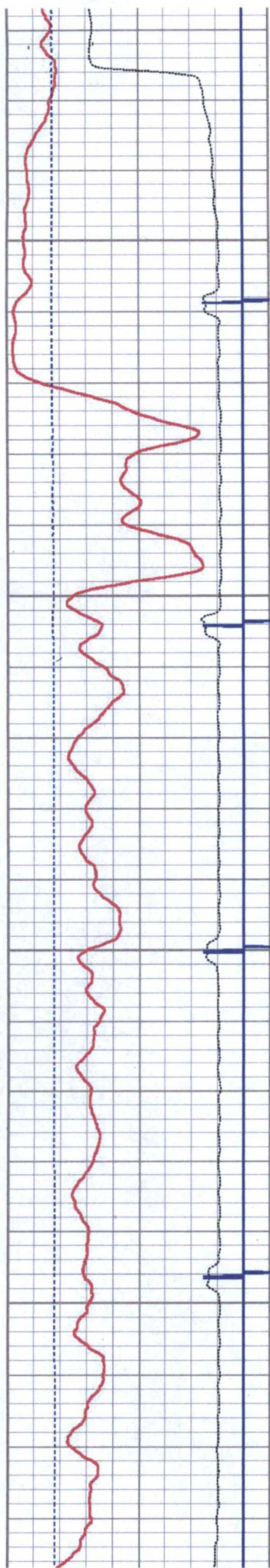


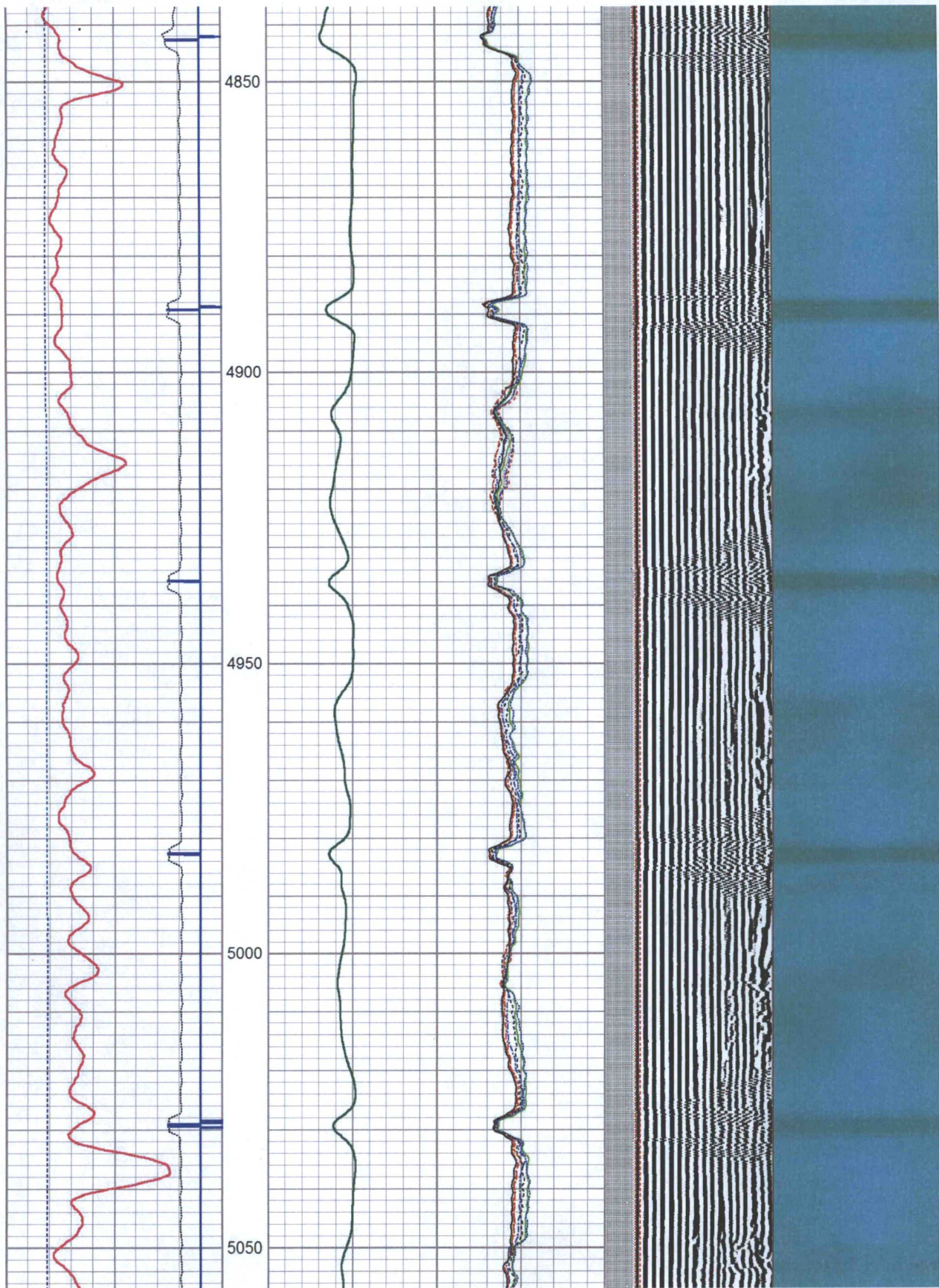


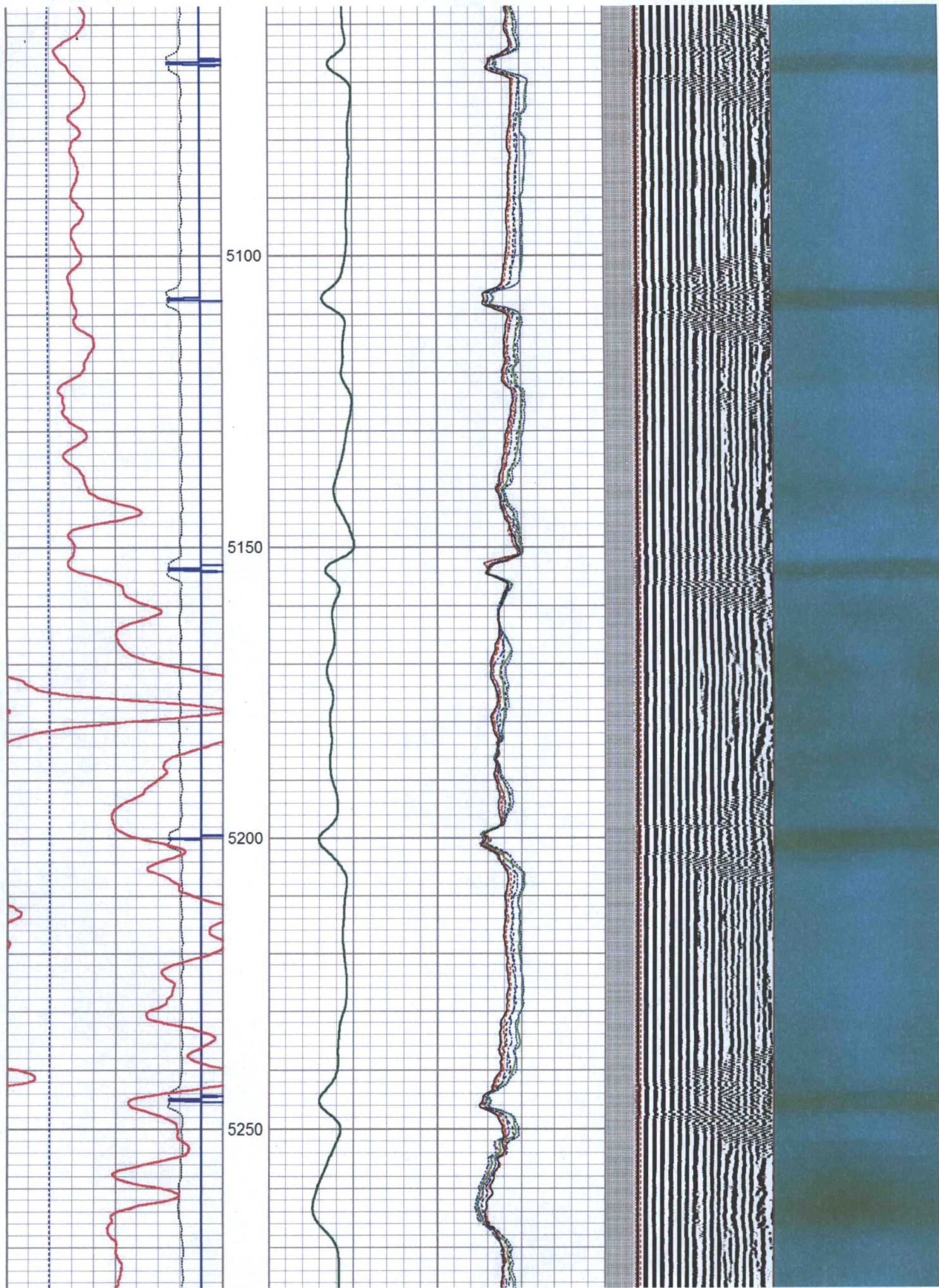


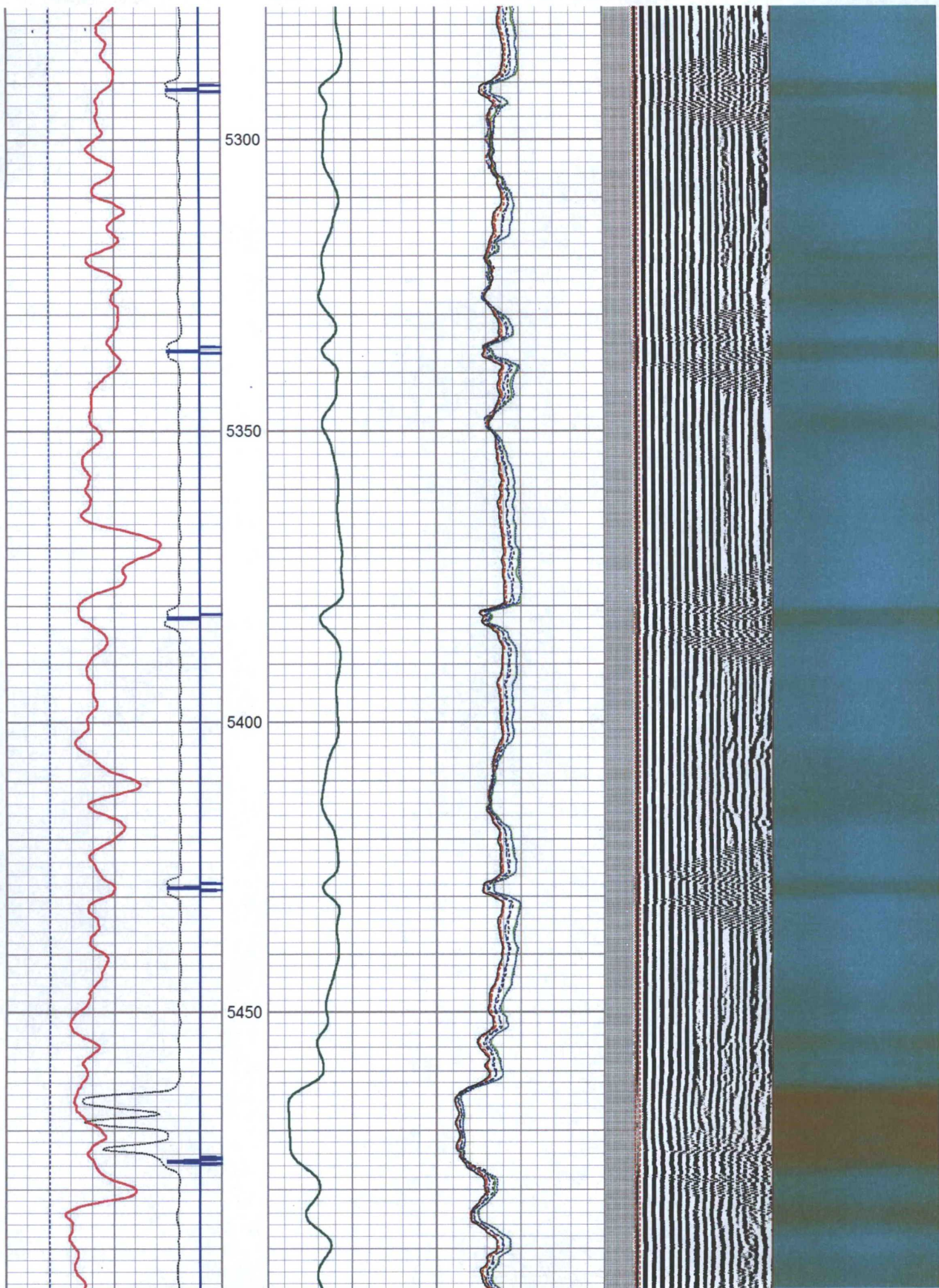


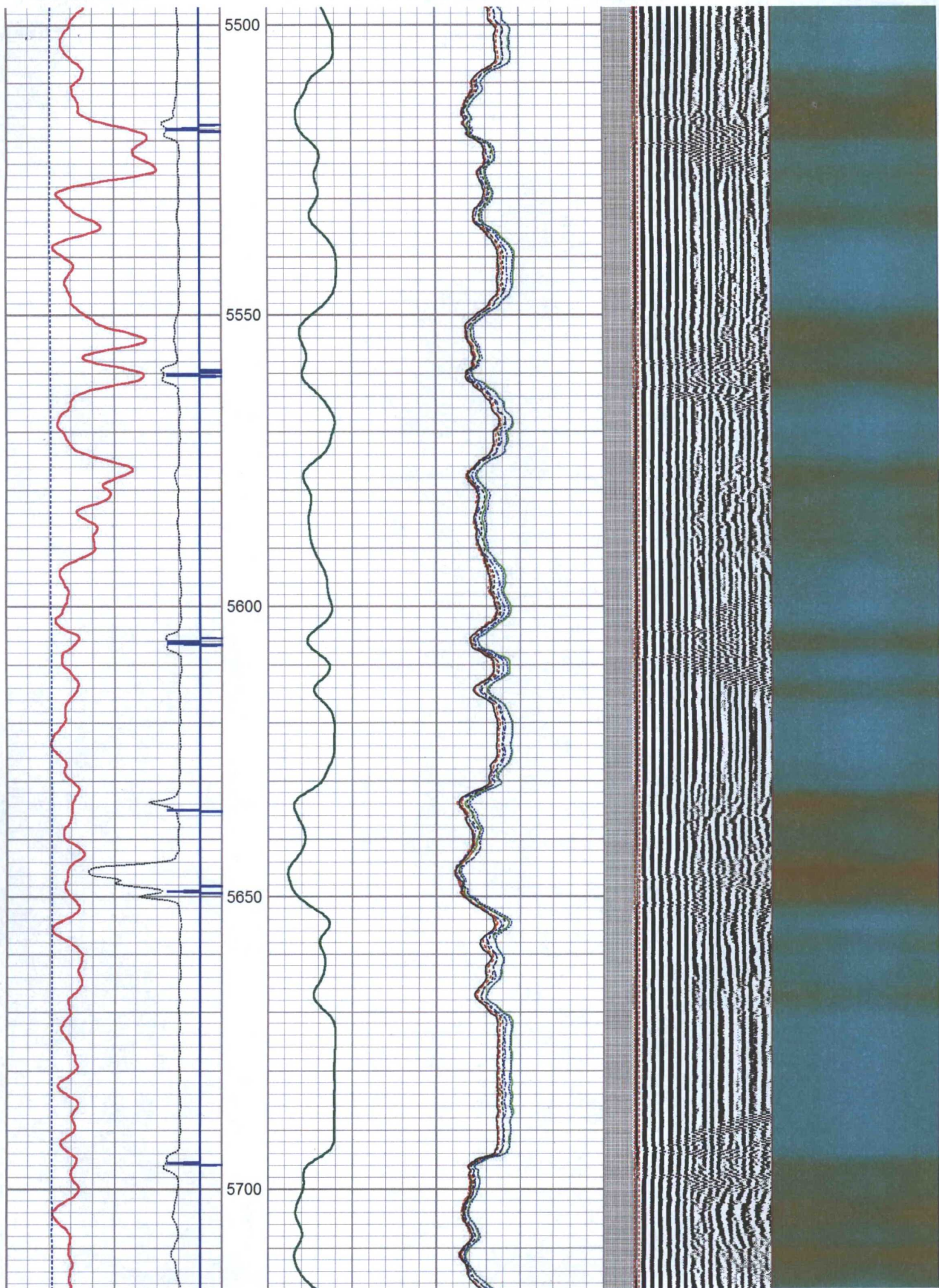


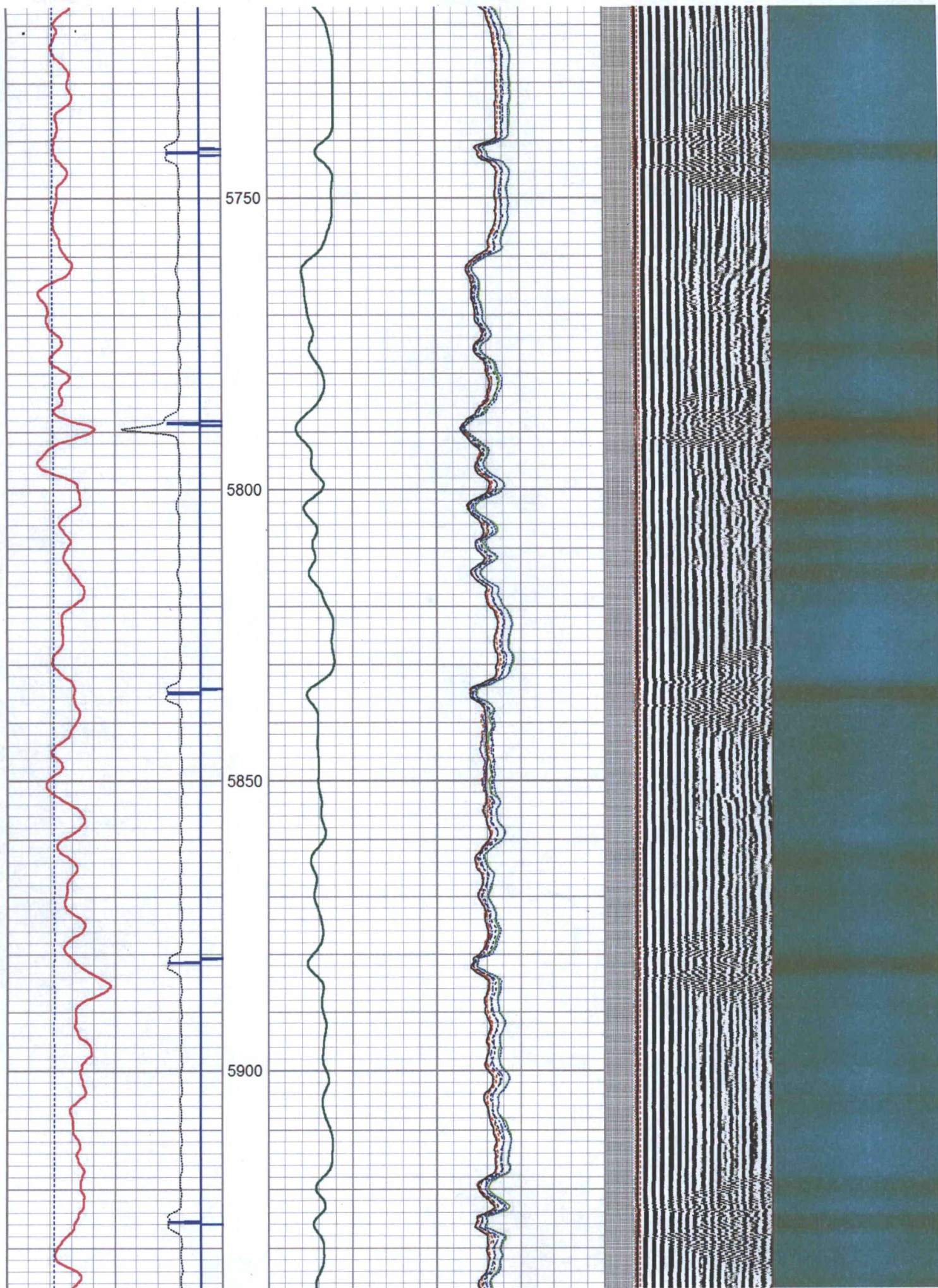


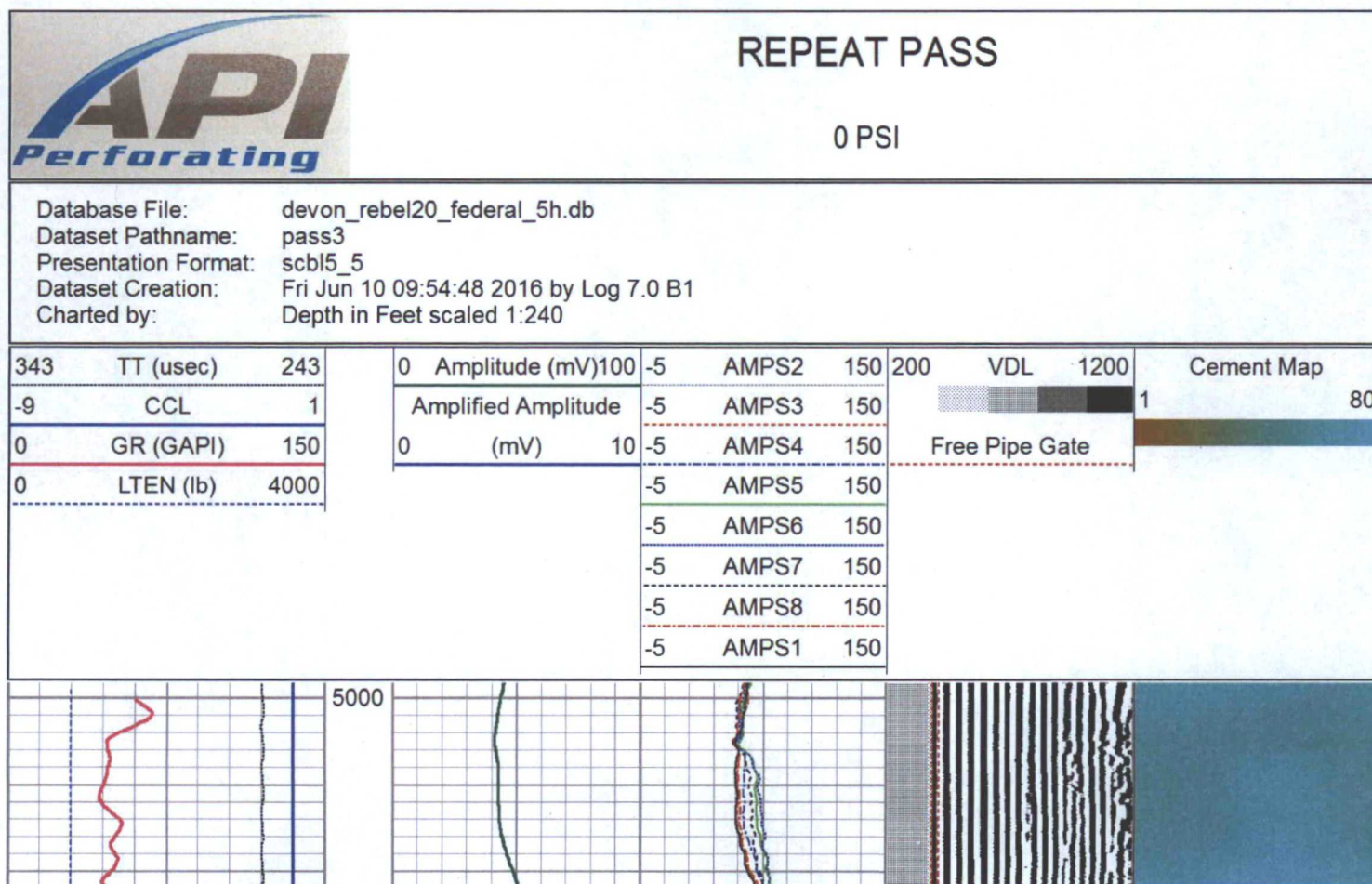
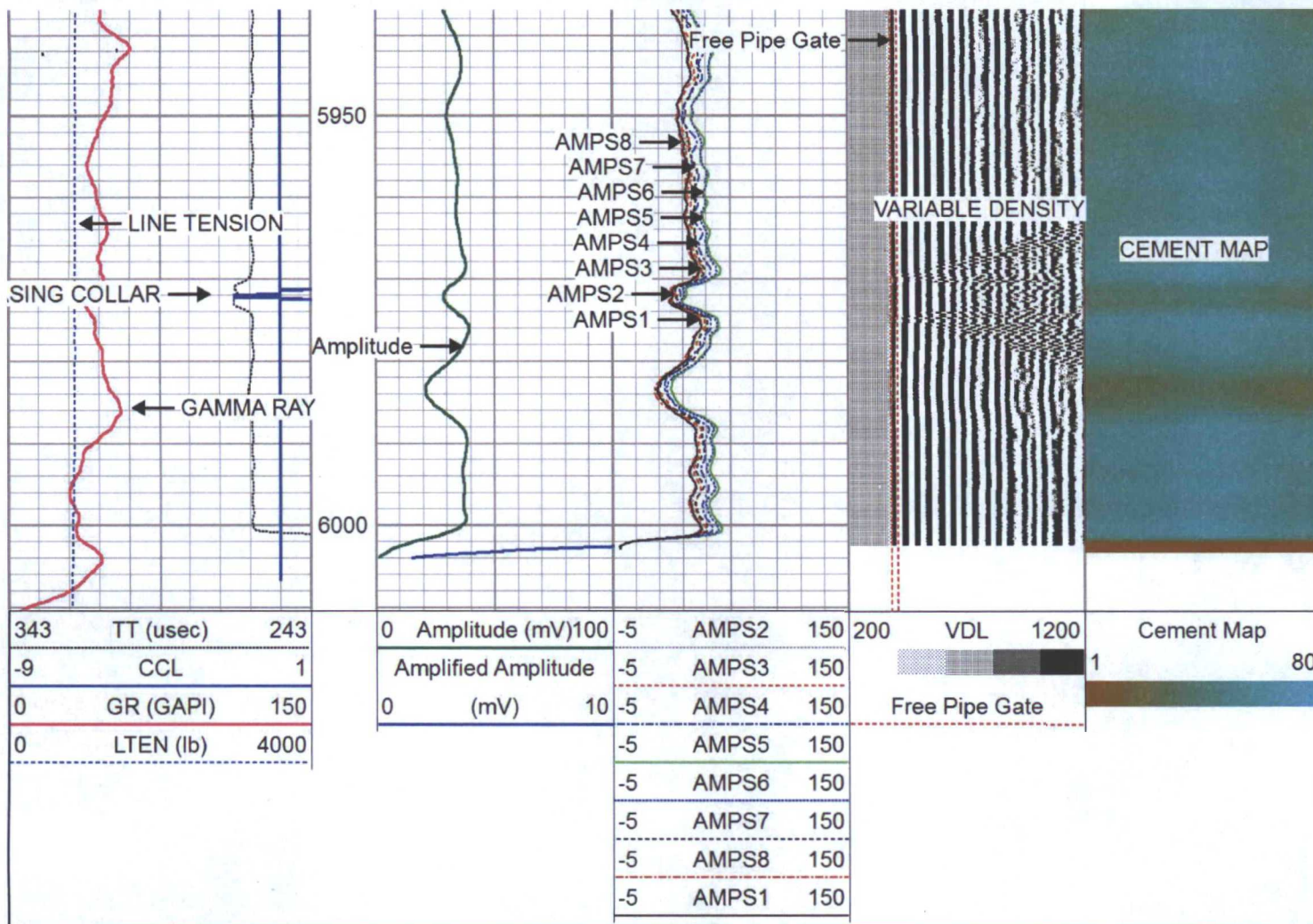


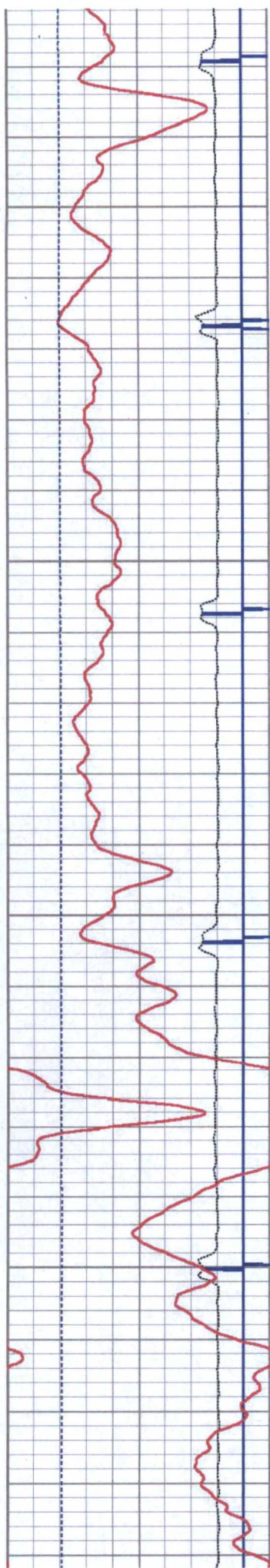










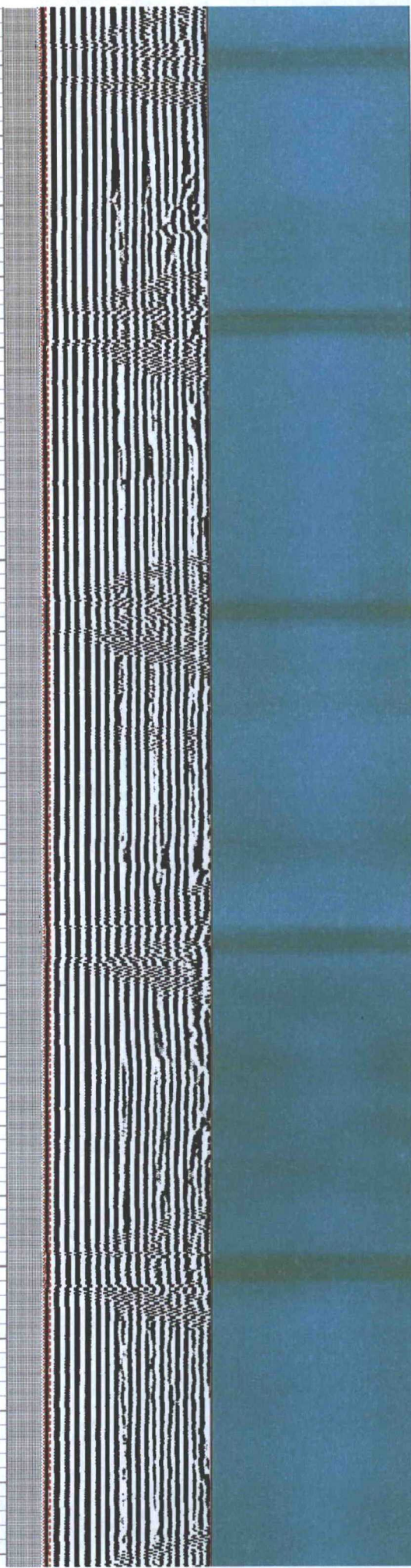
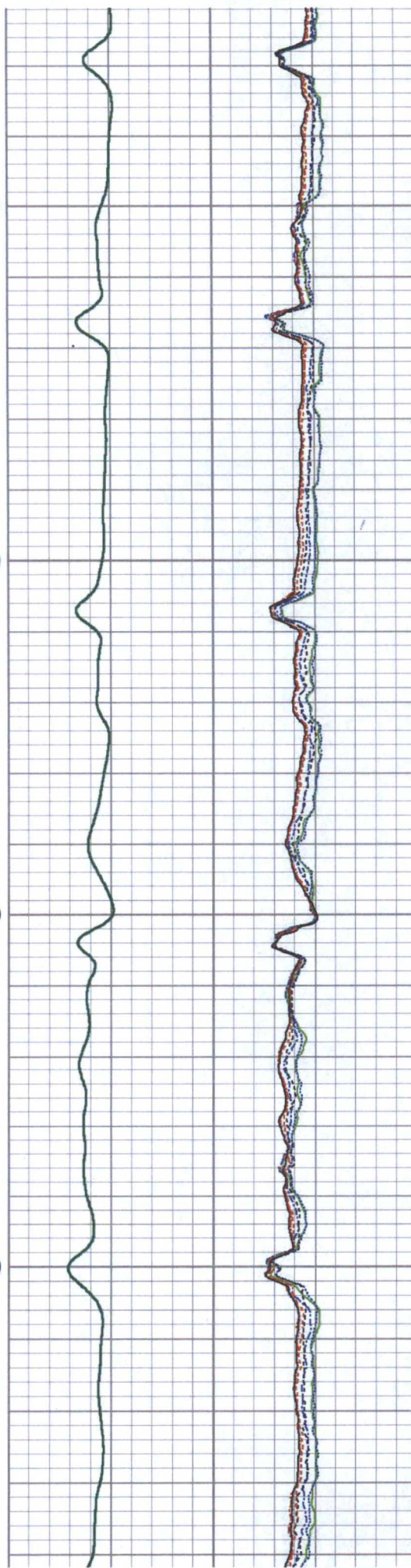


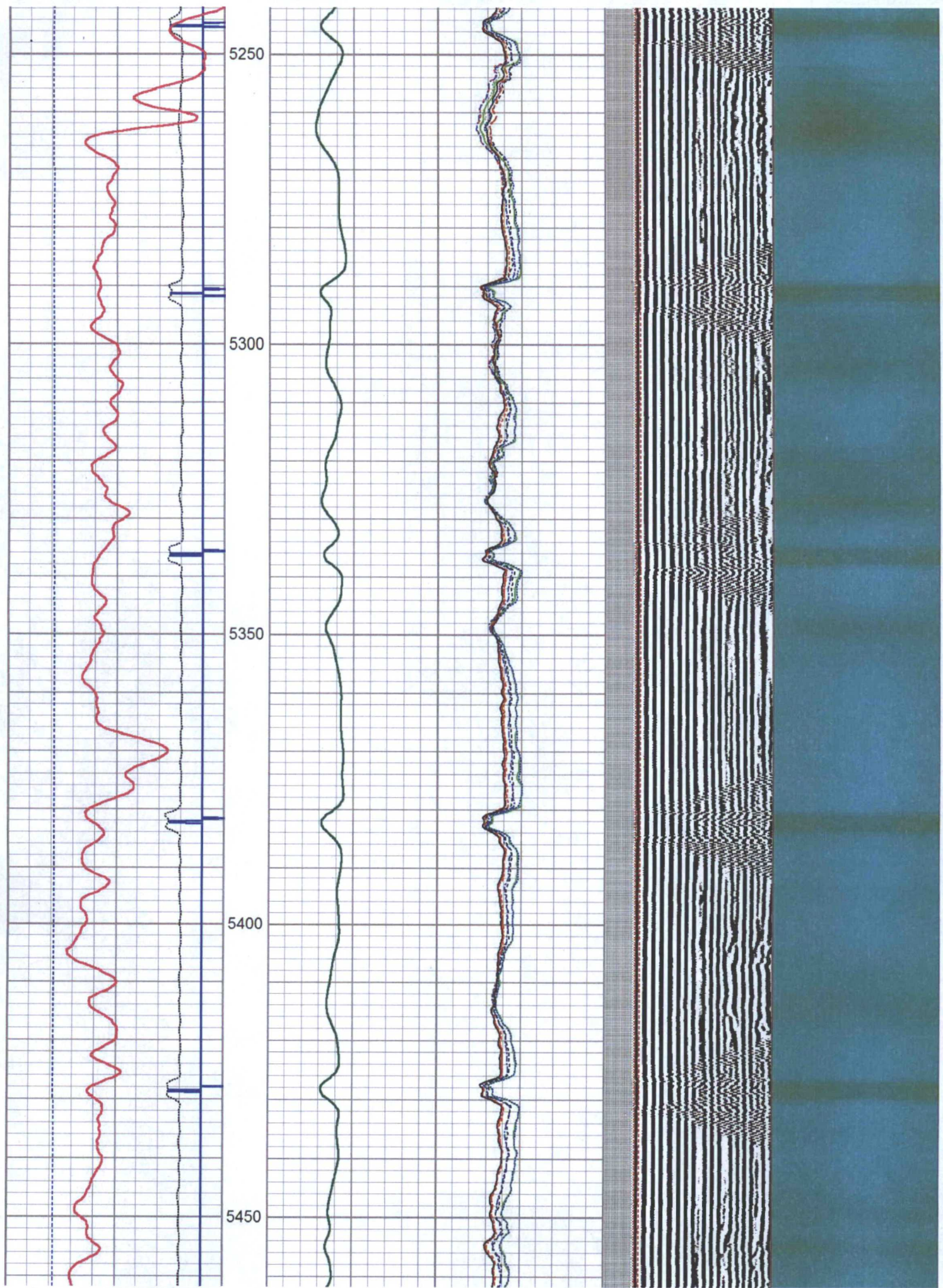
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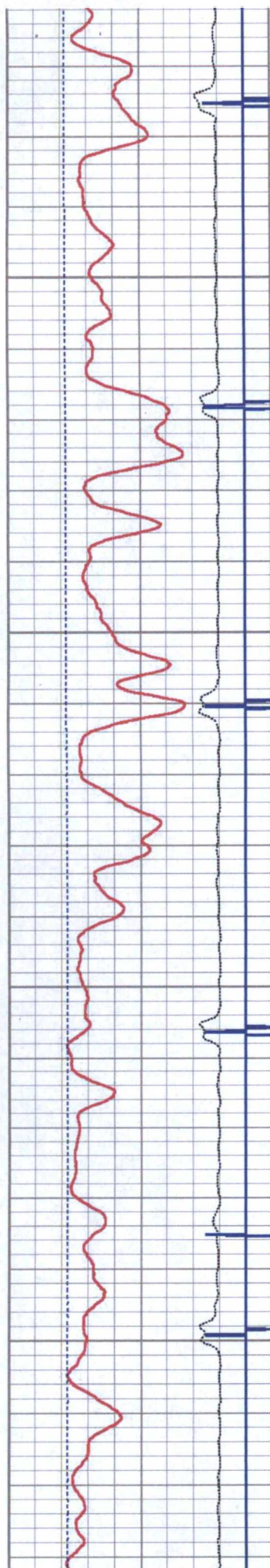
5100

5150

5200





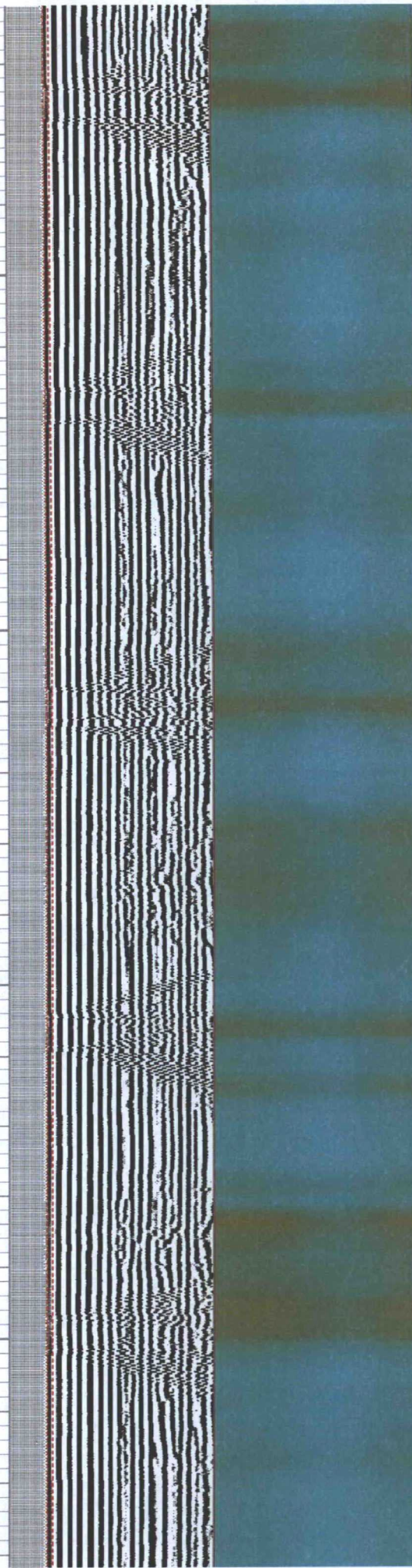
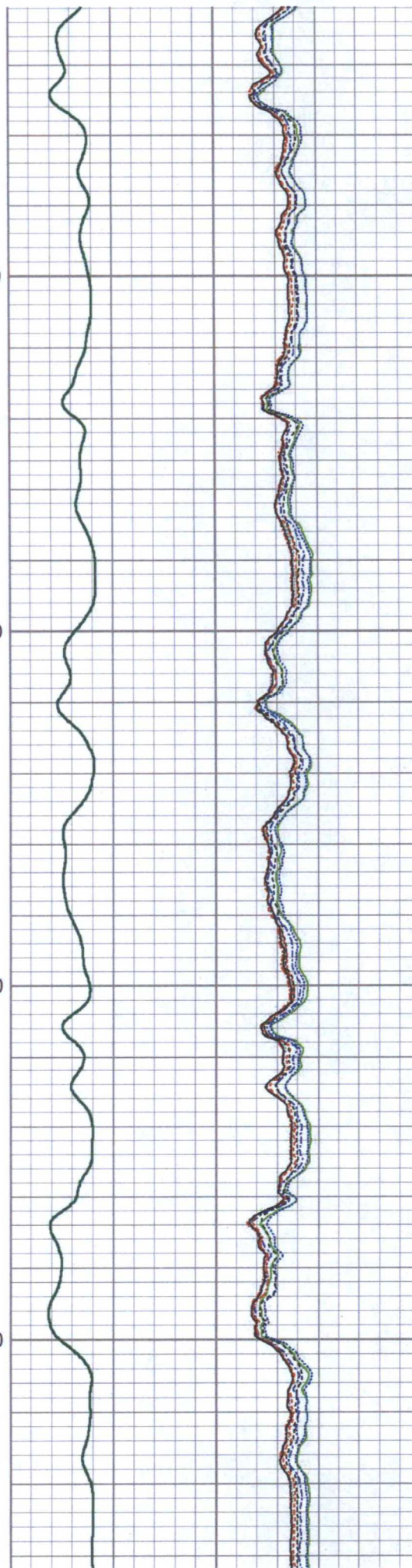


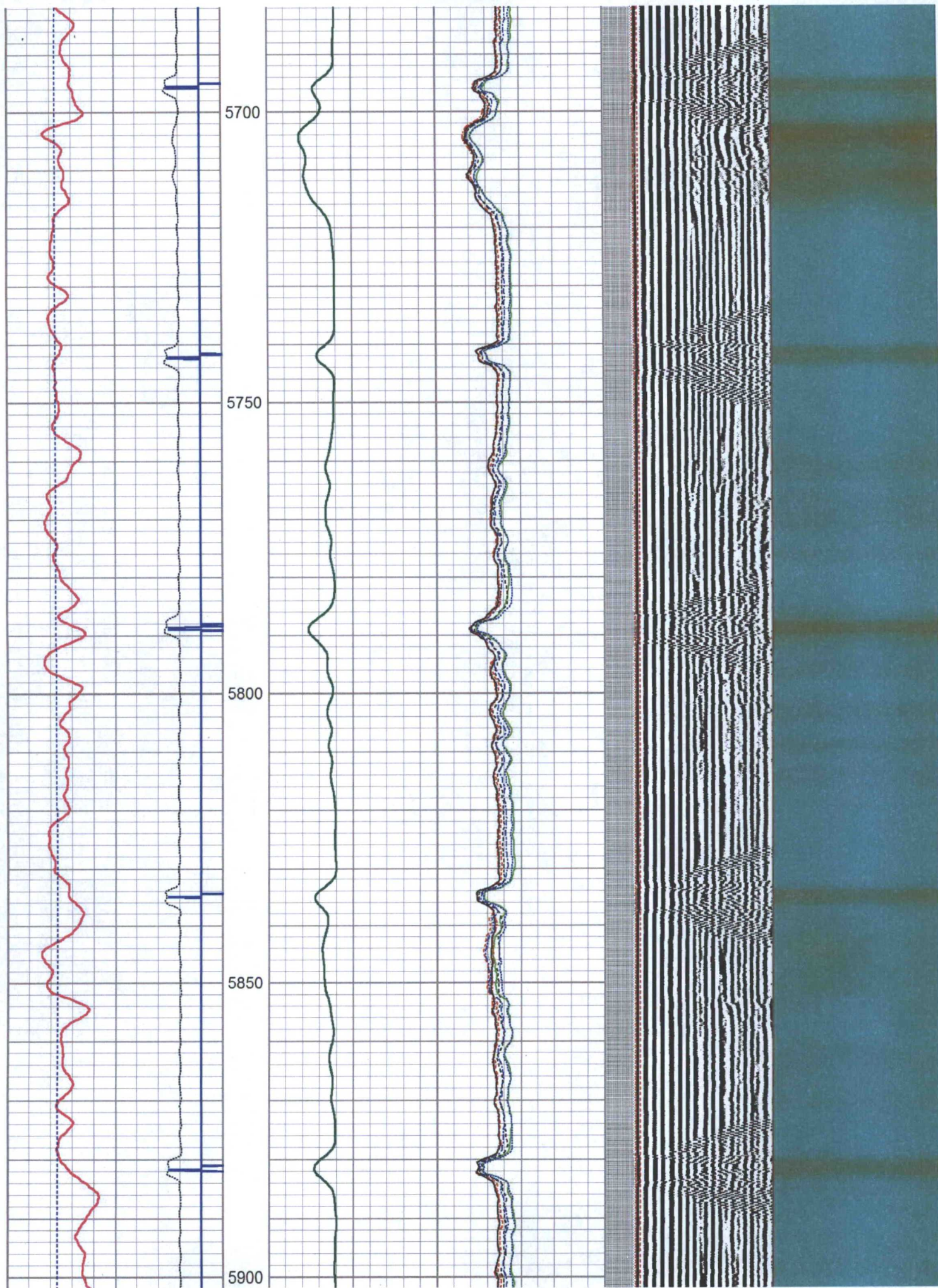
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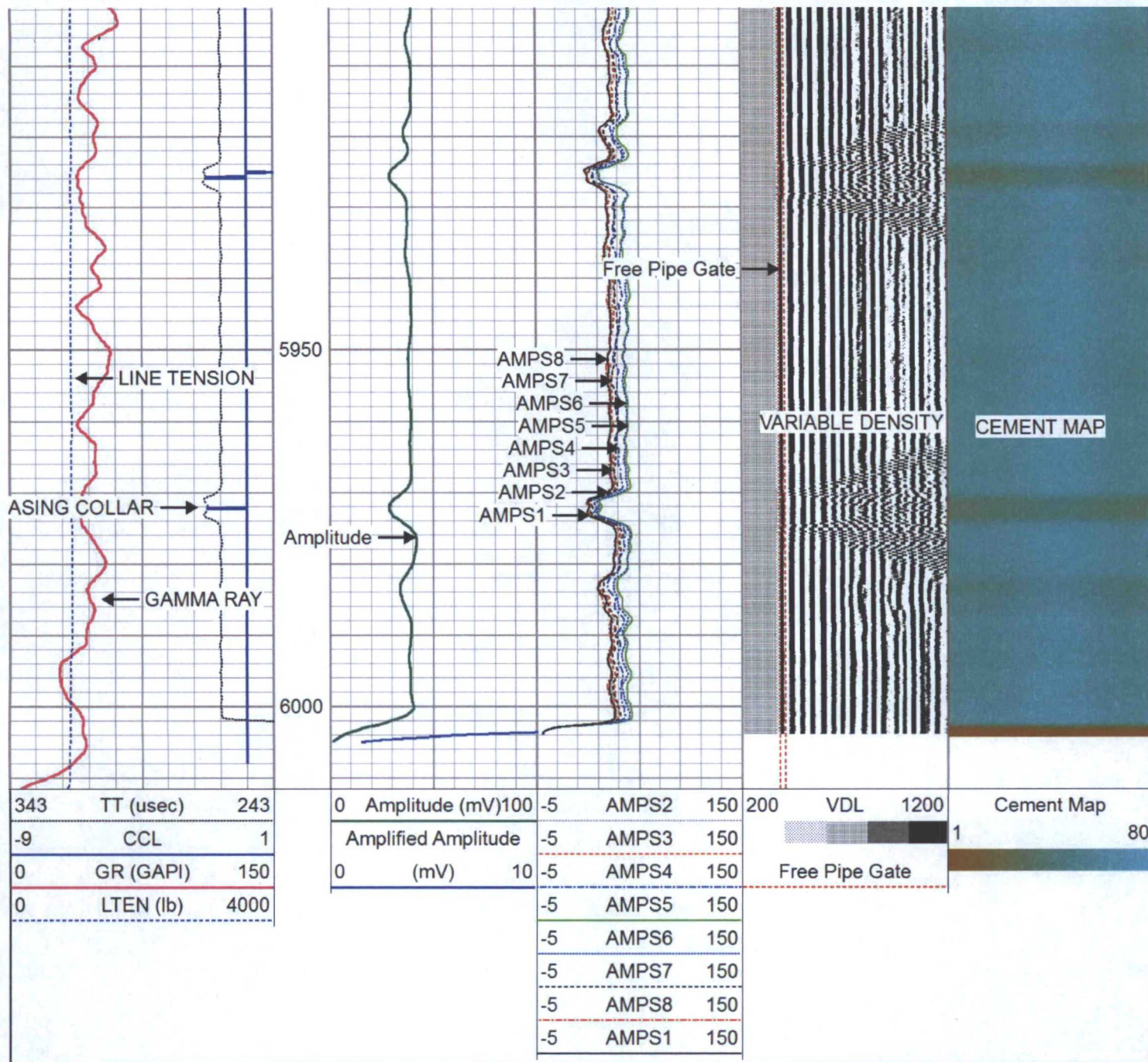
5550

5600

5650







Log Variables

Database: C:\Warrior\Data\devon_rebel20_federal_5h.db
Dataset: field/well/run1/pass4

Top - Bottom

PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	CASEOD in	PERFS	TDEPTH ft
0	11.5	0	1	0.8	5.5	0	0
BOTTEMP degF	BOREID in						
100	7.875						

Calibration Report

Database File: devon_rebel20_federal_5h.db
Dataset Pathname: pass4
Dataset Creation: Fri Jun 10 10:22:39 2016 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number: 110414_gr
 Tool Model: Probe
 Performed: Tue Jan 07 13:00:47 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 090629_45
 Tool Model: Probe

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 0.000 ft

Master Calibration, performed Fri Jun 10 09:12:44 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.002	0.805	1.000	71.921	87.820	1.205
CAL	0.000	0.820				
5'	-0.001	0.722	1.000	71.921	98.038	1.115
SUM						
S1	-0.004	0.804	0.000	100.000	123.825	0.496
S2	-0.002	0.800	0.000	100.000	124.730	0.203
S3	-0.002	0.796	0.000	100.000	125.383	0.230
S4	0.001	0.806	0.000	100.000	124.193	-0.065
S5	-0.000	0.805	0.000	100.000	124.129	0.048
S6	-0.001	0.803	0.000	100.000	124.308	0.162
S7	-0.001	0.796	0.000	100.000	125.456	0.178
S8	-0.003	0.798	0.000	100.000	124.827	0.360

Internal Reference Calibration, performed Wed Dec 31 18:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.820	1.000	0.000

Air Zero Calibration, performed Fri Jun 10 09:14:27 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	-0.002		0.000		0.000	
5'	-0.000		0.000		-0.001	
SUM						
S1	-0.004		0.000		0.000	
S2	-0.002		0.000		0.000	
S3	-0.002		0.000		0.000	
S4	0.001		0.000		-0.000	
S5	-0.001		0.000		0.000	
S6	-0.001		0.000		-0.000	
S7	-0.002		0.000		0.000	
S8	-0.003		0.000		-0.000	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
HEADVOLT	13.46					
IntTemp	12.04					
WVF3FT	8.88		RBT-Probe (090629_45) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	8.88					
WVFS1	8.88					
WVFS2	8.88					
WVFS3	8.88					
WVFS4	8.88					
WVFS5	8.88					
WVFS6	8.88					
WVFS7	8.88					
WVFS8	8.88					
WVF5FT	7.79					
CCL	3.63					
GR	0.90		GR-Probe (110414_gr) Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00

Dataset:	devon_rebel20_federal_5h.db: field/well/run1/pass4
Total Length:	13.46 ft
Total Weight:	120.00 lb
O.D.	2.75 in



Company	DEVON
Well	REBEL 20 FEDERAL 5H
Field	PADUCA
County	LEA
State	NEW MEXICO

DEVON ENERGY PROD CO LP-EBUSINESS

Rebel 20 Fed 5H

Lea, NM

Sales Order: 903354990

Bradenhead Squeeze

Cementing Post Job Report

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

HALLIBURTON

Halliburton Energy Services appreciates the opportunity to perform the cementing service.

Below you will find job details and real time graph for this job. (Based on cement supervisor report who executed this job)

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton Energy Services again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

David Rosby

Principle Technical Professional – In House Devon

(479) 221-4609

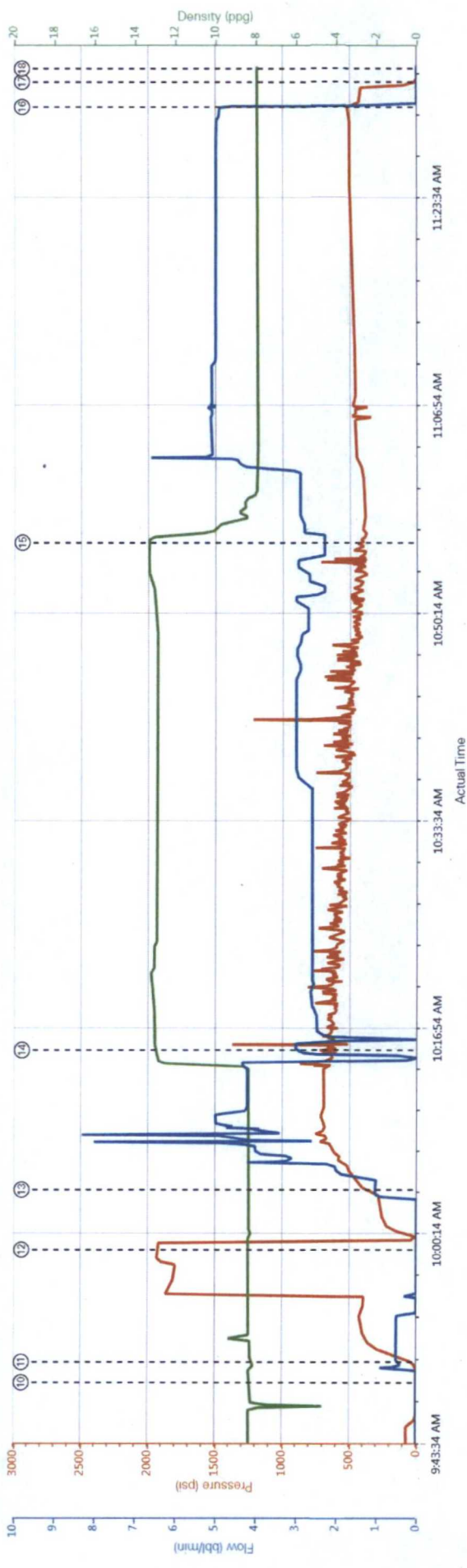
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Driv-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Comments
Event	1	Call Out	Call Out	6/8/2016	01:00:09	USER				CALLED OUT FOR DEVON REBEL 20 FEDERAL 5H, SQUEEZE (VIA ANNULUS)
Event	2	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/8/2016	01:30:09	USER				GATHERED CREW TO GO OVER JSA AND ROUTE TO LOCATION
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	6/8/2016	03:01:04	USER				
Event	4	Arrive At Loc	Arrive At Loc	6/8/2016	06:40:08	USER				ARRIVED ON LOCATION, WERE EARLY, VERIFIED SPOTTING EQUIPMENT
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/8/2016	06:50:06	USER				GATHERED CREW TO GO OVER JSA AND RIG UP PROCEDURES
Event	6	Rig-Up Equipment	Rig-Up Equipment	6/8/2016	07:03:09	USER				
Event	7	Rig-Up Completed	Rig-Up Completed	6/8/2016	08:00:04	USER				COMPLETED RIG UP SAFELY
Event	8	Waiting - Arrived Early to Location - Start Time	Waiting - Arrived Early to Location	6/8/2016	08:05:06	USER				WAITING ON BLM TO SHOW UP TO LOCATION
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	6/8/2016	08:30:09	USER				BLM ARRIVED ON LOCATION AND GATHERED EVERYONE TO GO OVER JSA AND JOB PROCEDURES, VERIFIED ALL CALCULATIONS WITH COMPANY REP. MIKE BRASWELL
Event	10	Start Job	Start Job	6/8/2016	08:48:37	COM6				

Event	11	Pump Spacer 1	Pump Spacer 1	6/8/2016	08:50:14	COM6	422.00	8.26	0.50	PUMPED 2 BBL WATER SPACER TO FILL LINES
Event	12	Test Lines	Test Lines	6/8/2016	08:59:08	COM6	1926.00	8.36	0.00	TESTED LINES TO MAKE SURE THEY WERE SAFE AND HAD NO LEAKS
Event	13	Pump Spacer 1	Pump Spacer 1	6/8/2016	09:03:58	COM6	680.00	8.33	5.00	PUMPED ABOUT 15 BBL WATER SPACER TO ESTABLISH RATE
Event	14	Pump Lead Cement	Pump Lead Cement	6/8/2016	09:15:22	COM6	654.00	12.98	2.50	PUMPED 200 SKS OR 67 BBLs OF ECONOCHEM HLC LEAD CEMENT AT 12.9 LB, 1.887 YIELD, 9.94 GAL/SK
Event	15	Pump Displacement	Pump Displacement	6/8/2016	09:56:04	COM6	460.00	8.33	5.00	PUMPED 151 BBLs PER COMPANY REP. MIKE BRASWELL TO SPOT TOP OF CEMENT AT ABOUT 3254' AND BOTTOM AT 4687
Event	16	Shutdown	Shutdown	6/8/2016	10:31:06	USER	426.00	7.93	0.00	SHUT IN WELL, HAD ABOUT 426 PSI
Event	17	Shut In Well	Shut In Well	6/8/2016	10:33:08	USER				
Event	18	End Job	End Job	6/8/2016	10:34:12	COM6				
Event	19	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	6/8/2016	10:45:09	USER				GATHERED CREW TO GO OVER JSA AND RIG DOWN PROCEDURES
Event	20	Rig-Down Equipment	Rig-Down Equipment	6/8/2016	11:00:03	USER				
Event	21	Rig-Down Completed	Rig-Down Completed	6/8/2016	13:00:03	USER				COMPLETED RIG DOWN SAFELY
Event	22	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	6/8/2016	13:15:06	USER				GATHERED CREW TO GO OVER JSA AND ROUTE BACK TO THE YARD
Event	23	Depart Location	Depart Location	6/8/2016	13:30:06	USER				THANK YOU

DEVON REBEL 20 FEDERAL 5H VIA ANNULUS BOM



- ① Call Out *n/a, n/a, n/a*
- ② Pre-Convoy Safety Meeting *n/a, n/a, n/a*
- ③ Depart from Service Center or Other Site *n/a, n/a, n/a*
- ④ Arrive At Loc *72.8 36.0*
- ⑤ Pre-Rig Up Safety Meeting *73.8 35.0*
- ⑥ Rig-Up Equipment *74.8 34.0*
- ⑦ Rig-Up Completed *18 83.2 12.0*
- ⑧ Waiting - Arrived Early to Location *25 25.2 84.0*
- ⑨ Pre-Job Safety Meeting *57.19.6 43.0*
- ⑩ Start Job *1.8 31.0*
- ⑪ Pump Spacer *1 88.8 25.0 5*
- ⑫ Test Lines *1926.8 36.0*
- ⑬ Pump Lead Cement *65*

