LITHO DENSITY NEUTRON LOG

Company HAWKINS OIL, LLC
Well HAAS # 1
Field LAMONT
County GREENWOOD State KANSAS

Location: API # : 15-073-24246-00-00
NW SE SE NW
2110' FNL & 2110' FWL
SEC 25 TWP 22S RGE 12E

Other Services
DIL
MEL

Elevation
K.B. 1098
D.F. 1097
G.L. 1092

Permanent Datum GL Elevation 1092
Log Measured From GL
Drilling Measured From GL

Date	6-10-2022		
Run Number	ONE		
Depth Driller	2260		
Depth Logger	2259		
Bottom Logged Interval	2257		
Top Log Interval	200		
Casing Driller	8.625" @ 198		
Casing Logger	8.625" @ 204		
Bit Size	7.875		
Type Fluid in Hole	MUD		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	SHELDON TYLER	KIDD	TAFT
Witnessed By	MR. STOUT		

Company HAWKINS OIL, LLC
Well HAAS # 1
Field LAMONT
County GREENWOOD
State KANSAS

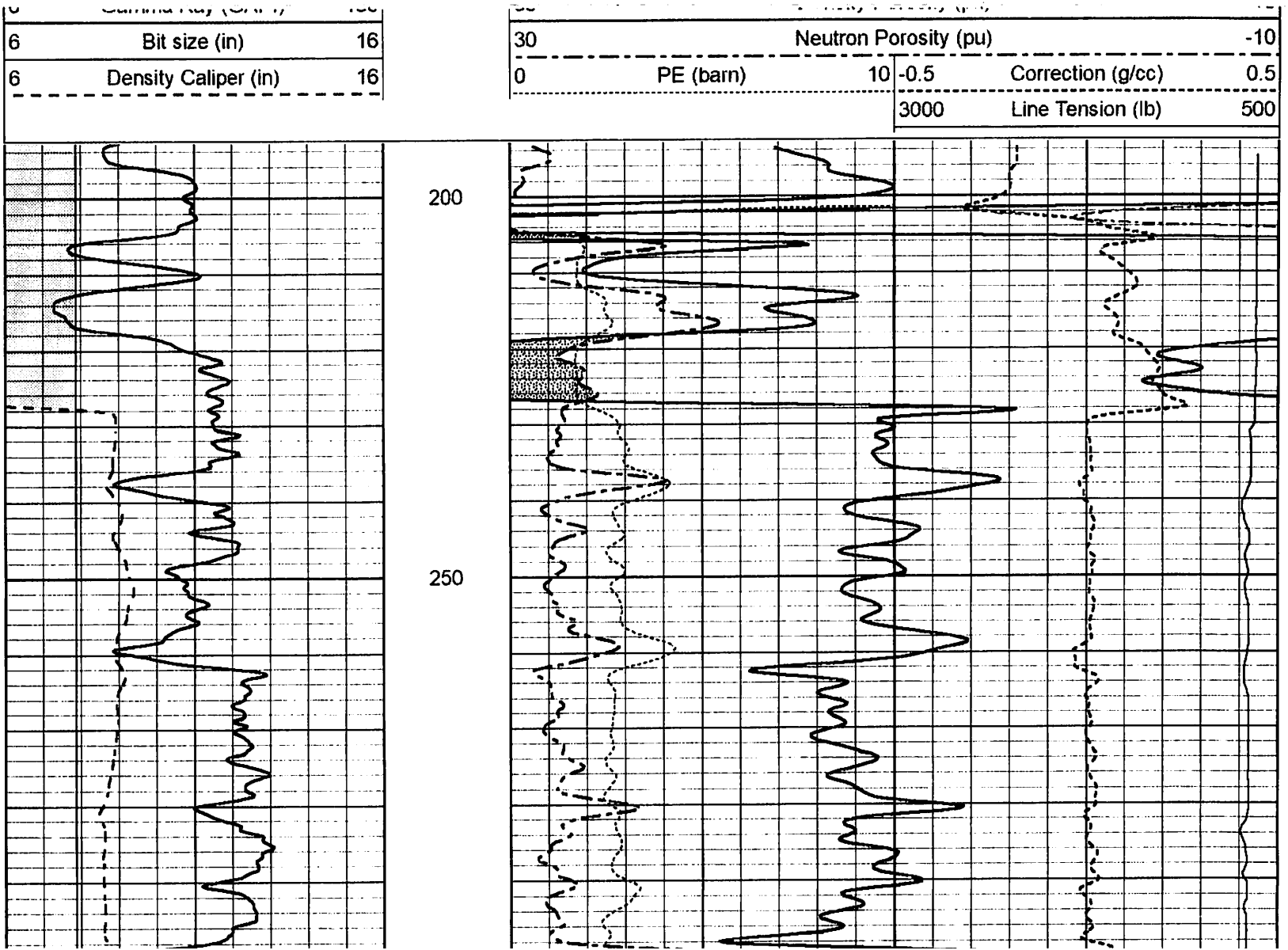
Comments

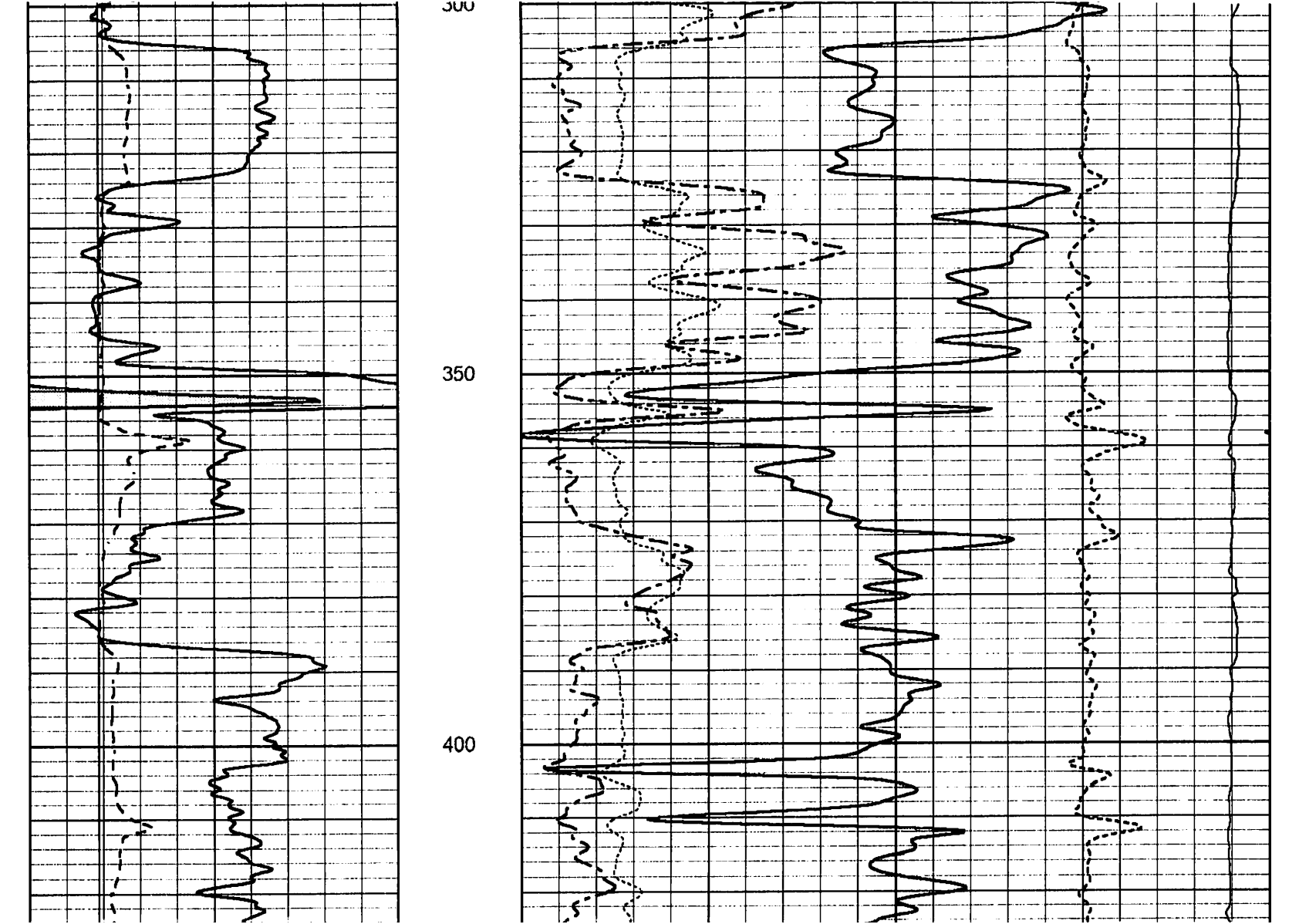
FILE # OW2-9071 HAWKINS OIL
RIG DID NOT HAVE A MUD SHEET
THANK YOU FOR USING OSAGE WIRELINE

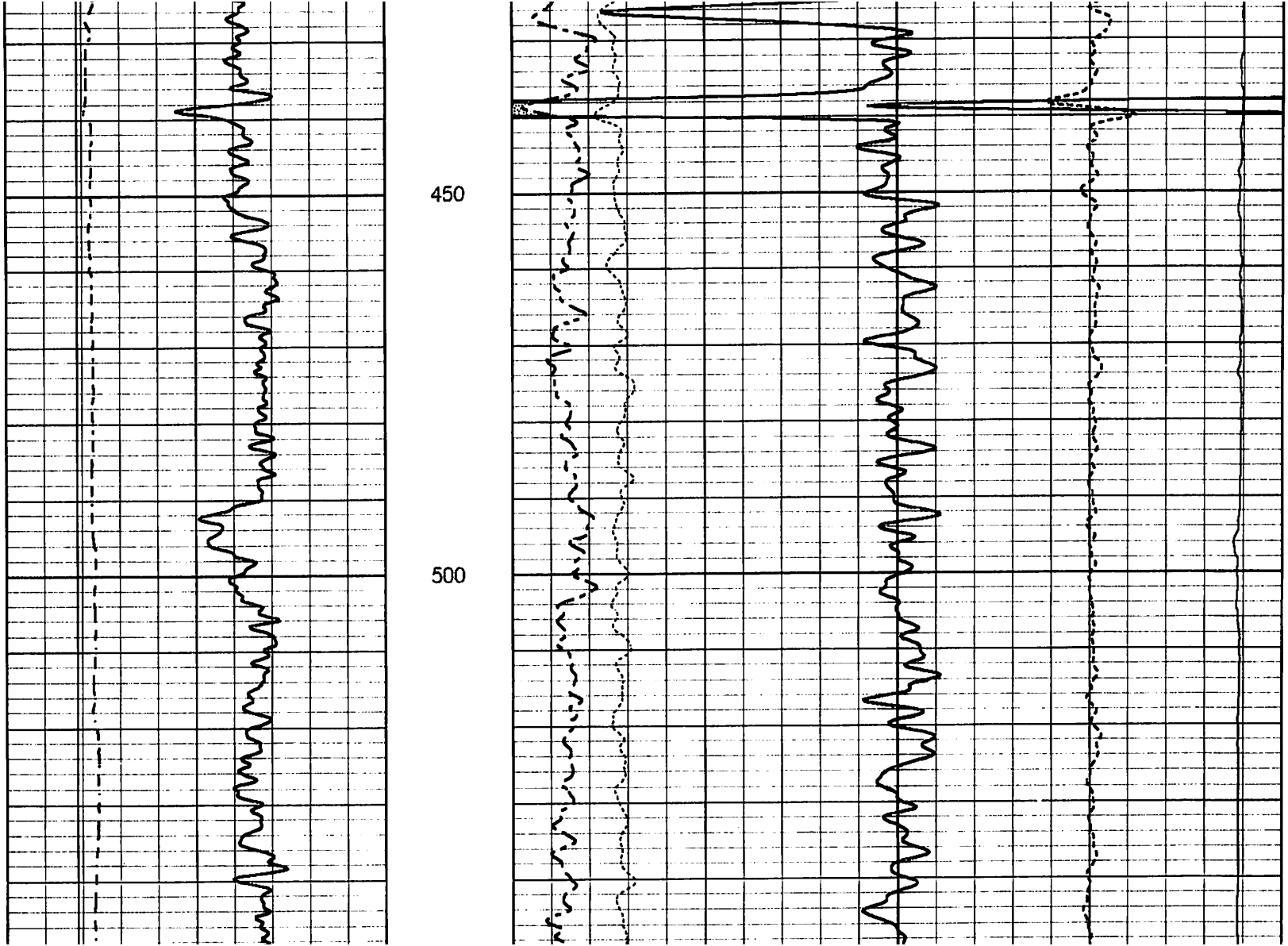
5" DENSITY NEUTRON LOG

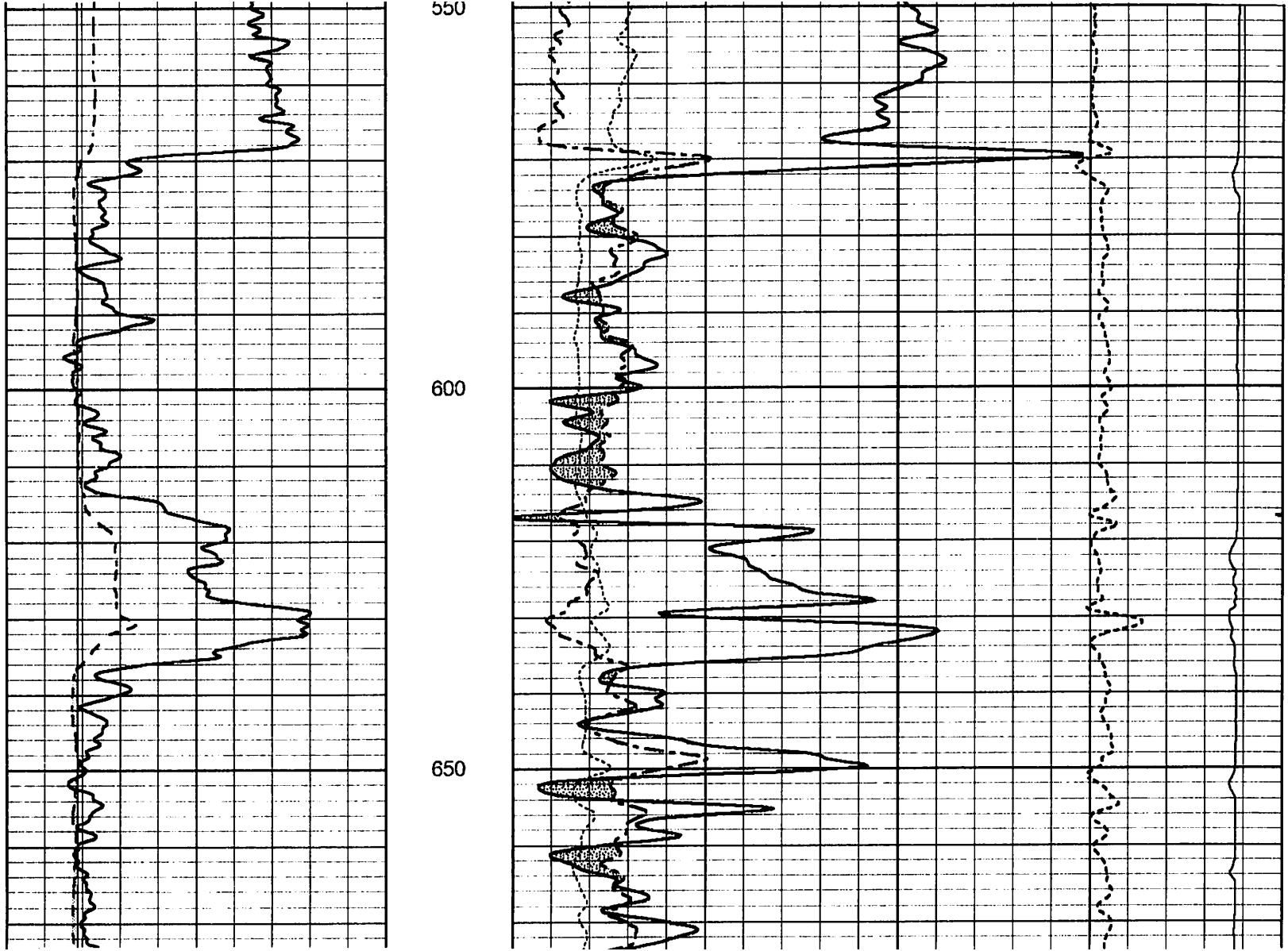
Database File	ow2-9071 hawkins oil.db
Dataset Pathname	pass4.3
Presentation Format	stcdln-6-16_5
Dataset Creation	Sat Jun 11 02:42:05 2022
Charted by	Depth in Feet scaled 1:240

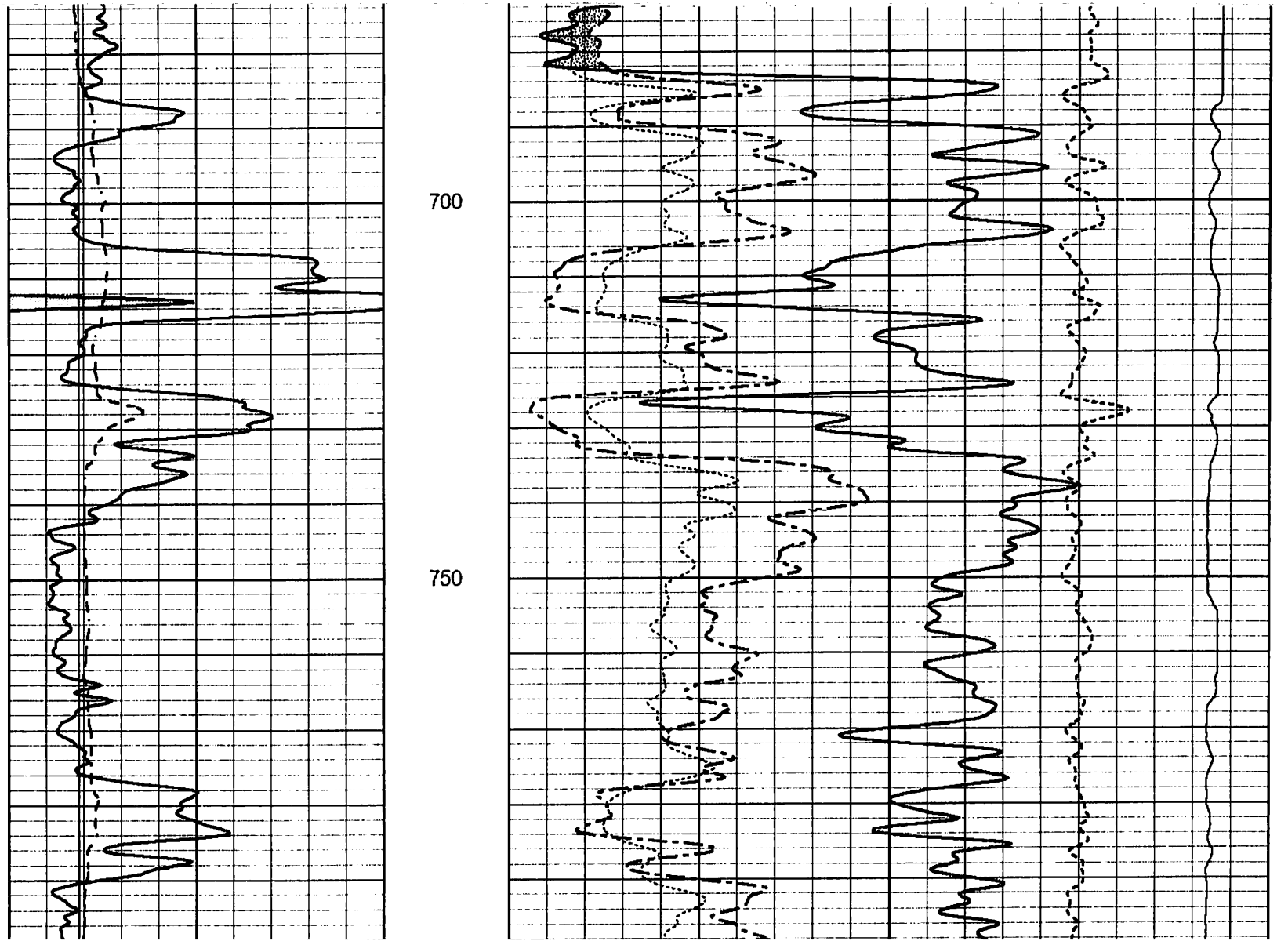
0 Gamma Ray (GAPI) 150		30 Density Porosity (pu) -10	

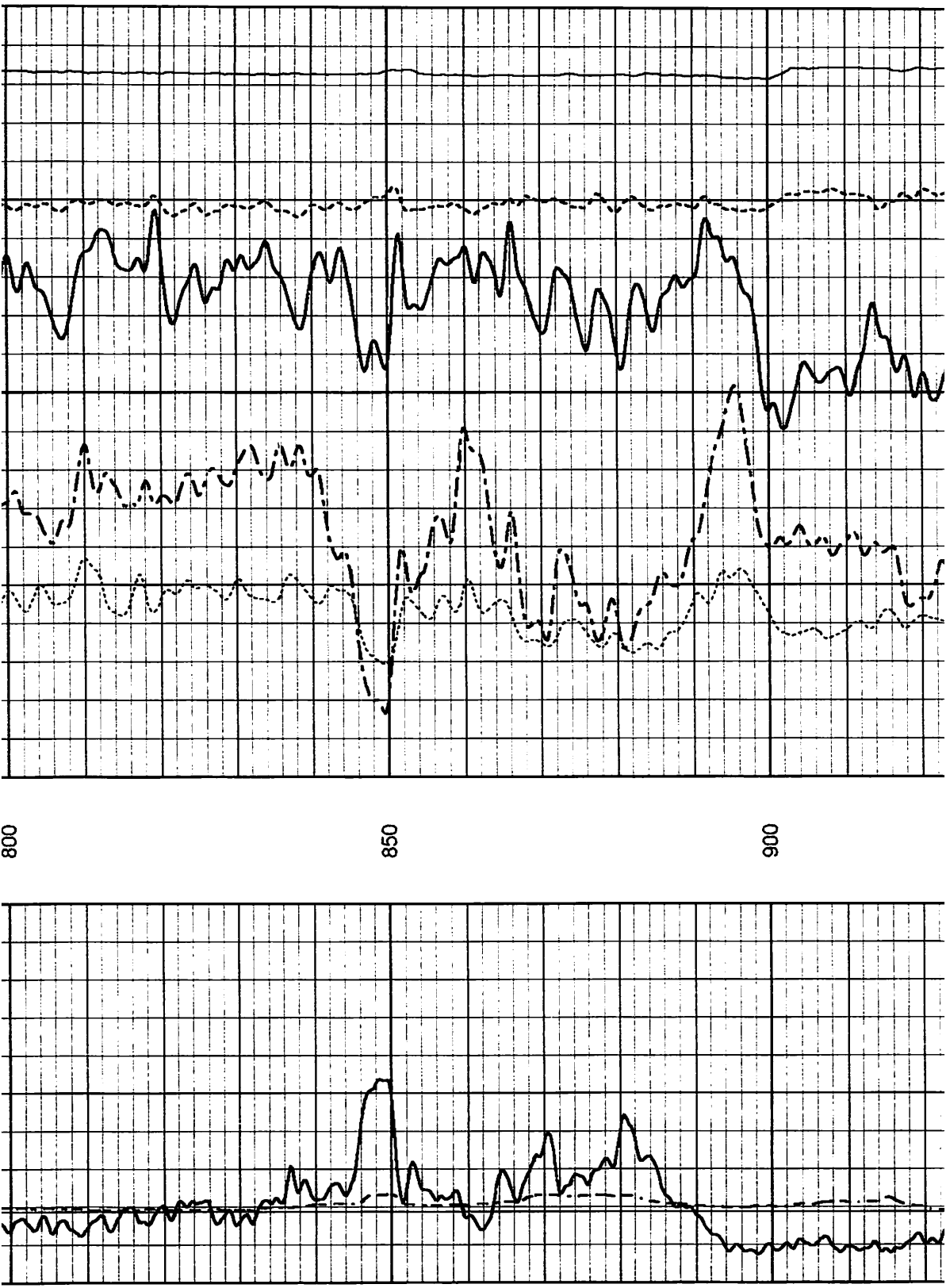

6 Bit size (in) 16
6 Density Caliper (in) 16
30 Neutron Porosity (pu) -10
0 PE (barn) 10
-0.5 Correction (g/cc) 0.5
3000 Line Tension (lb) 500
200
250

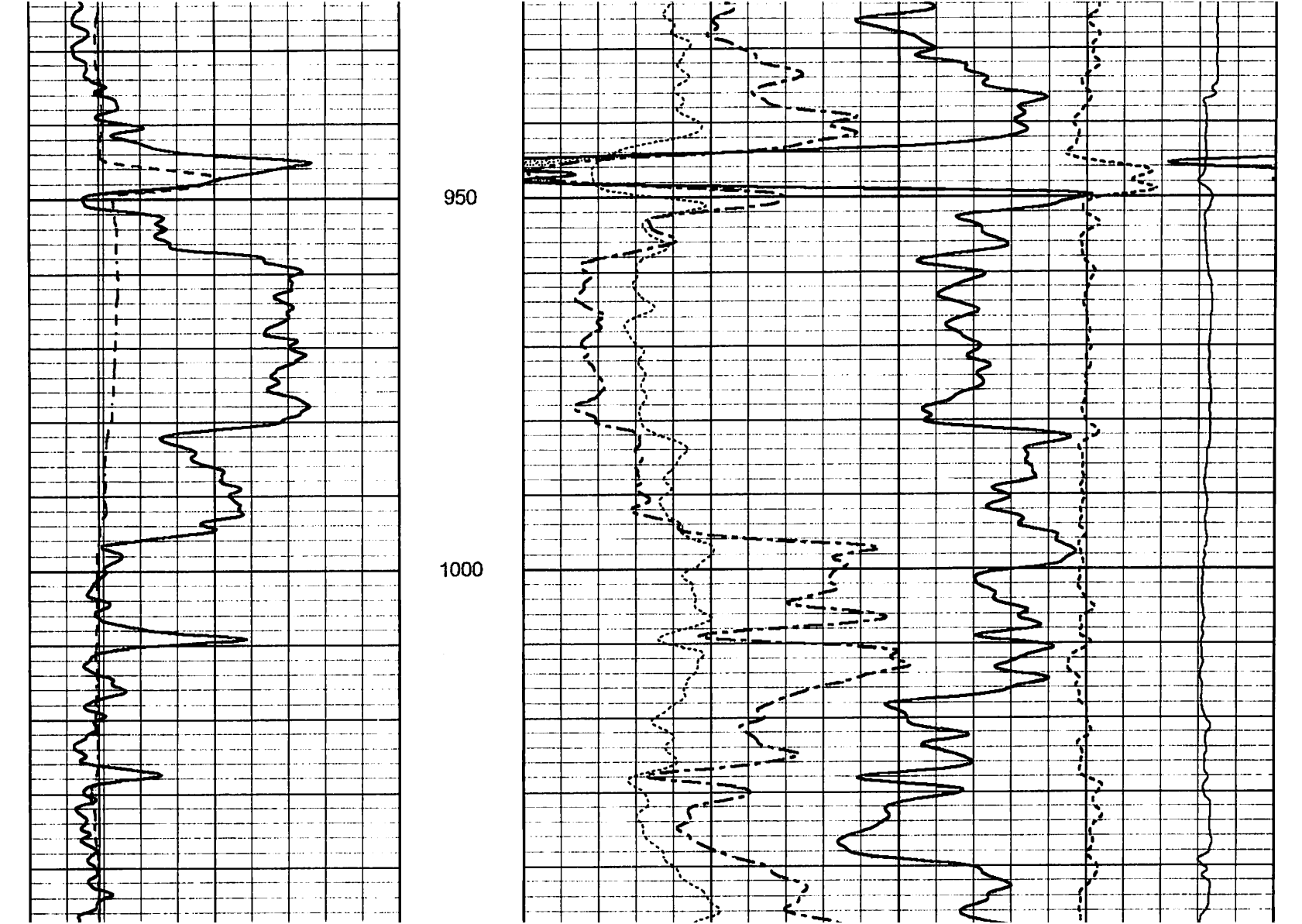

300
350
400

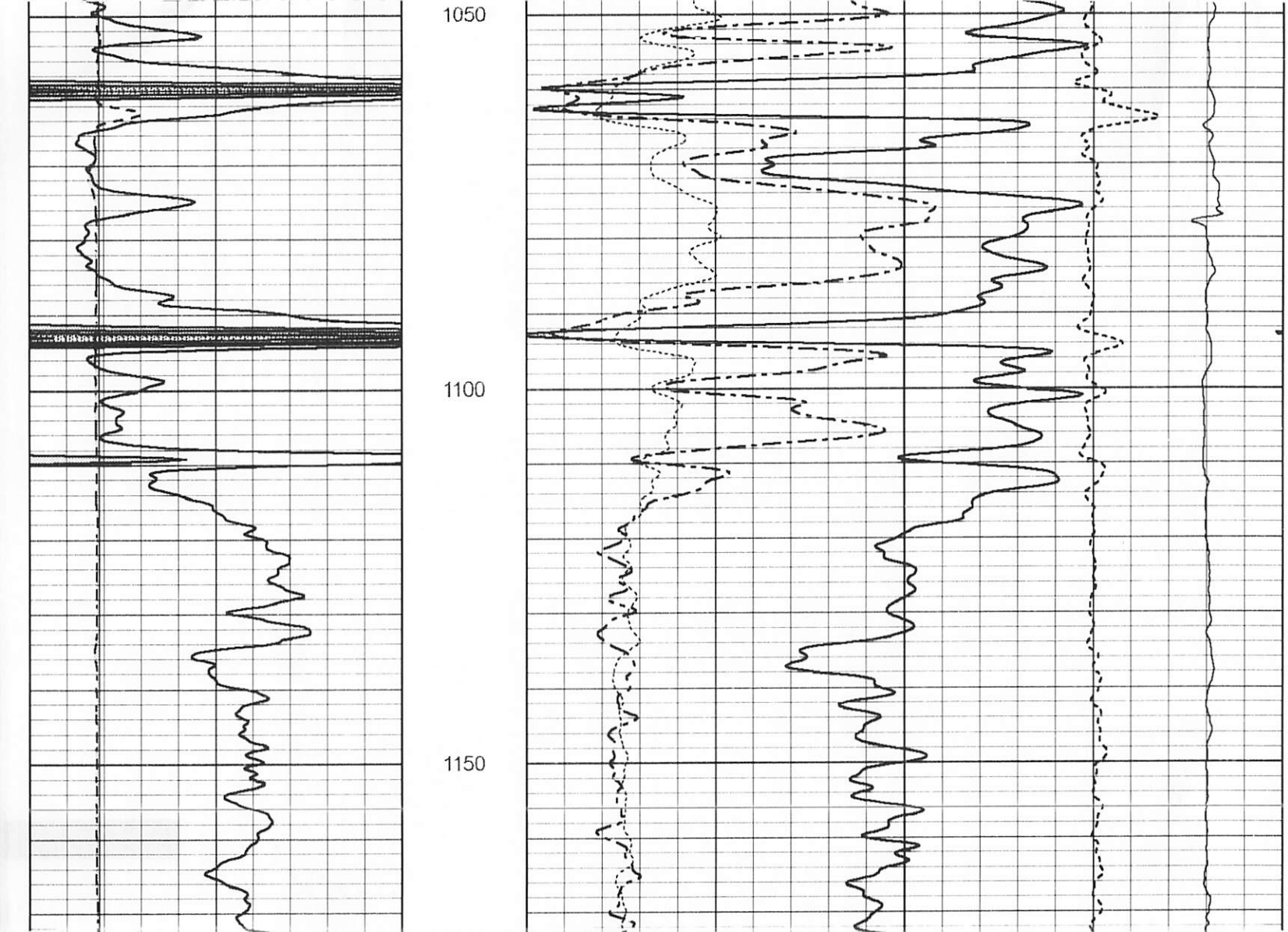

450
500

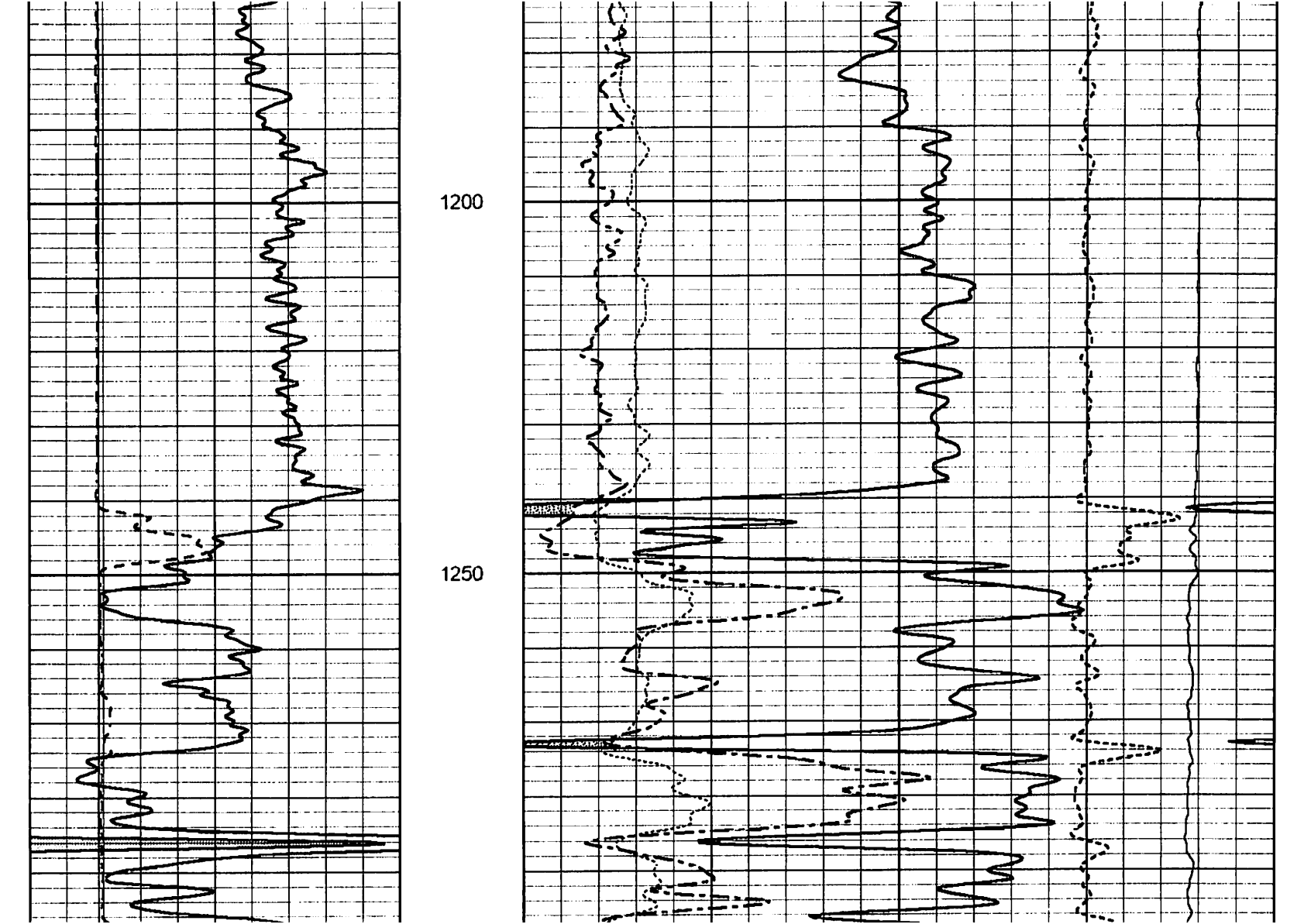

550
600
650

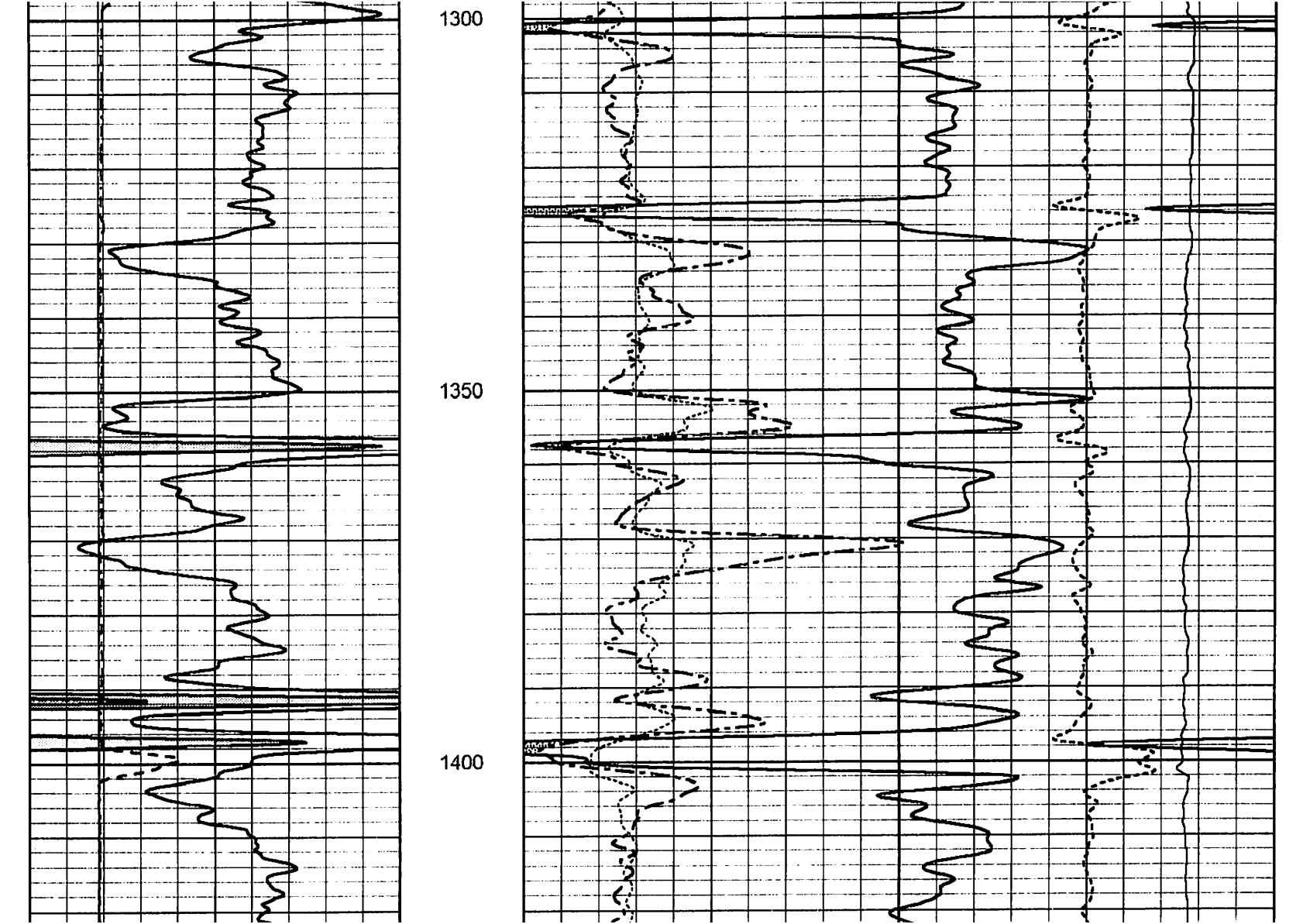

700
750

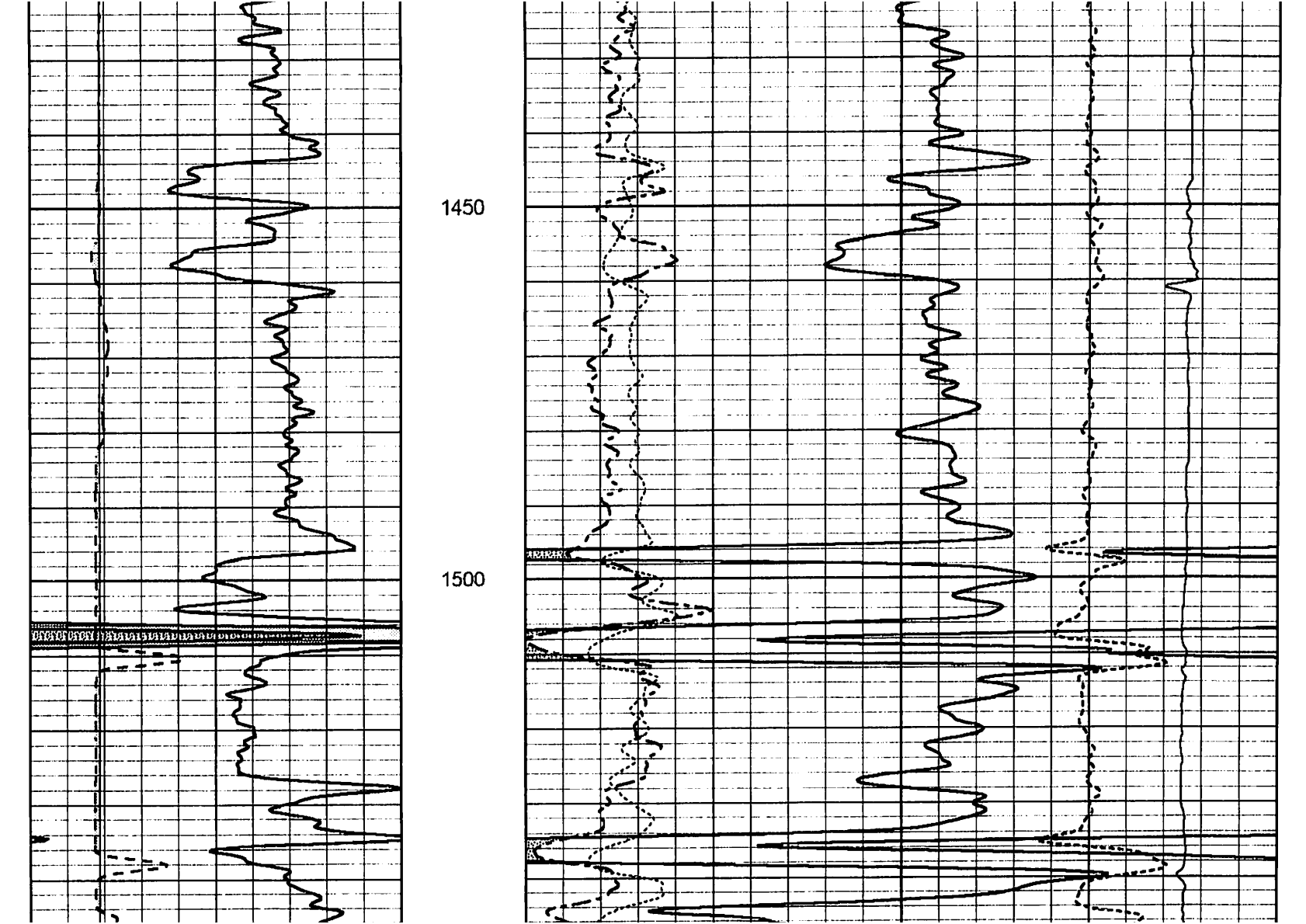

800
850
900

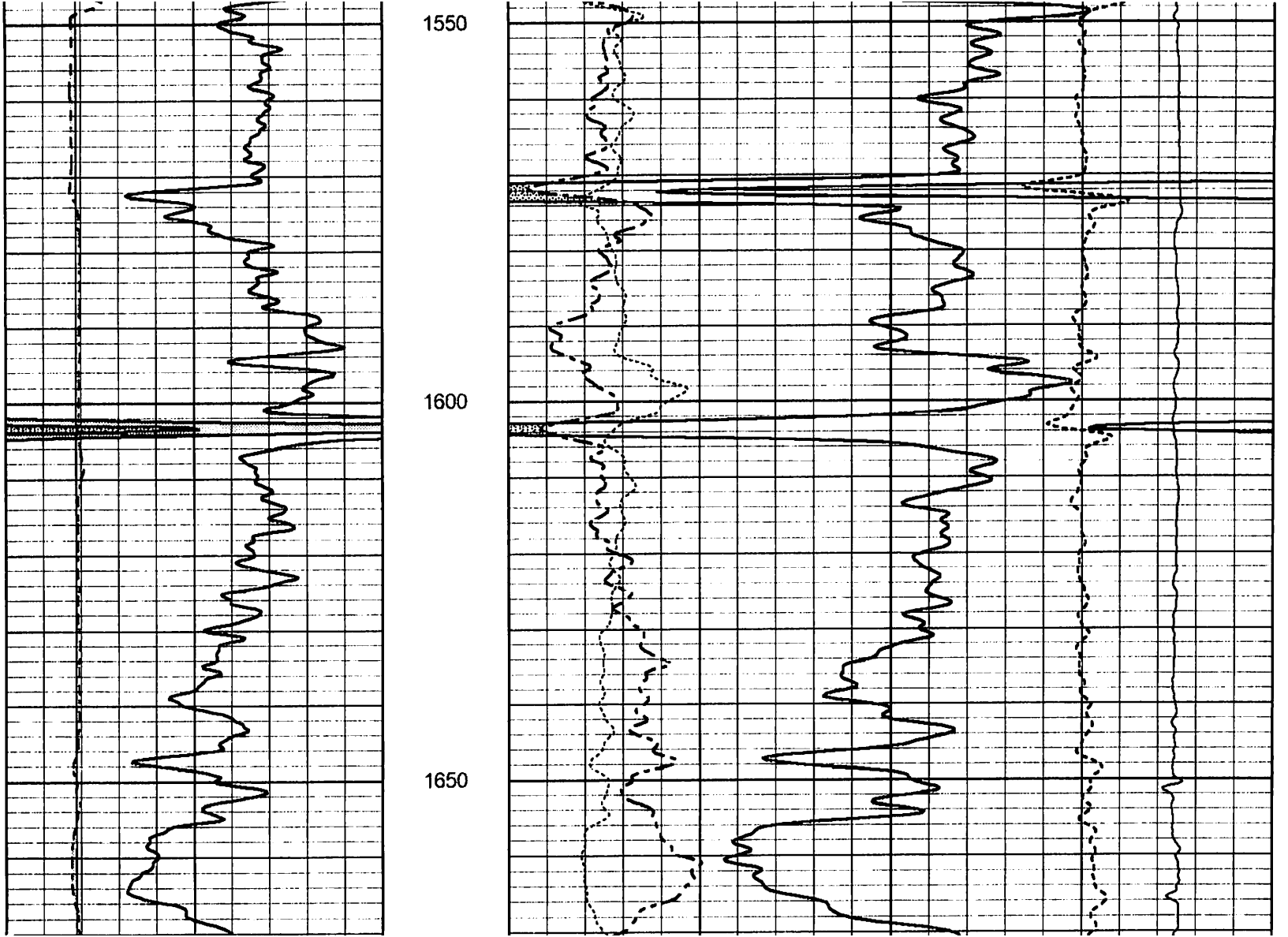

950
1000

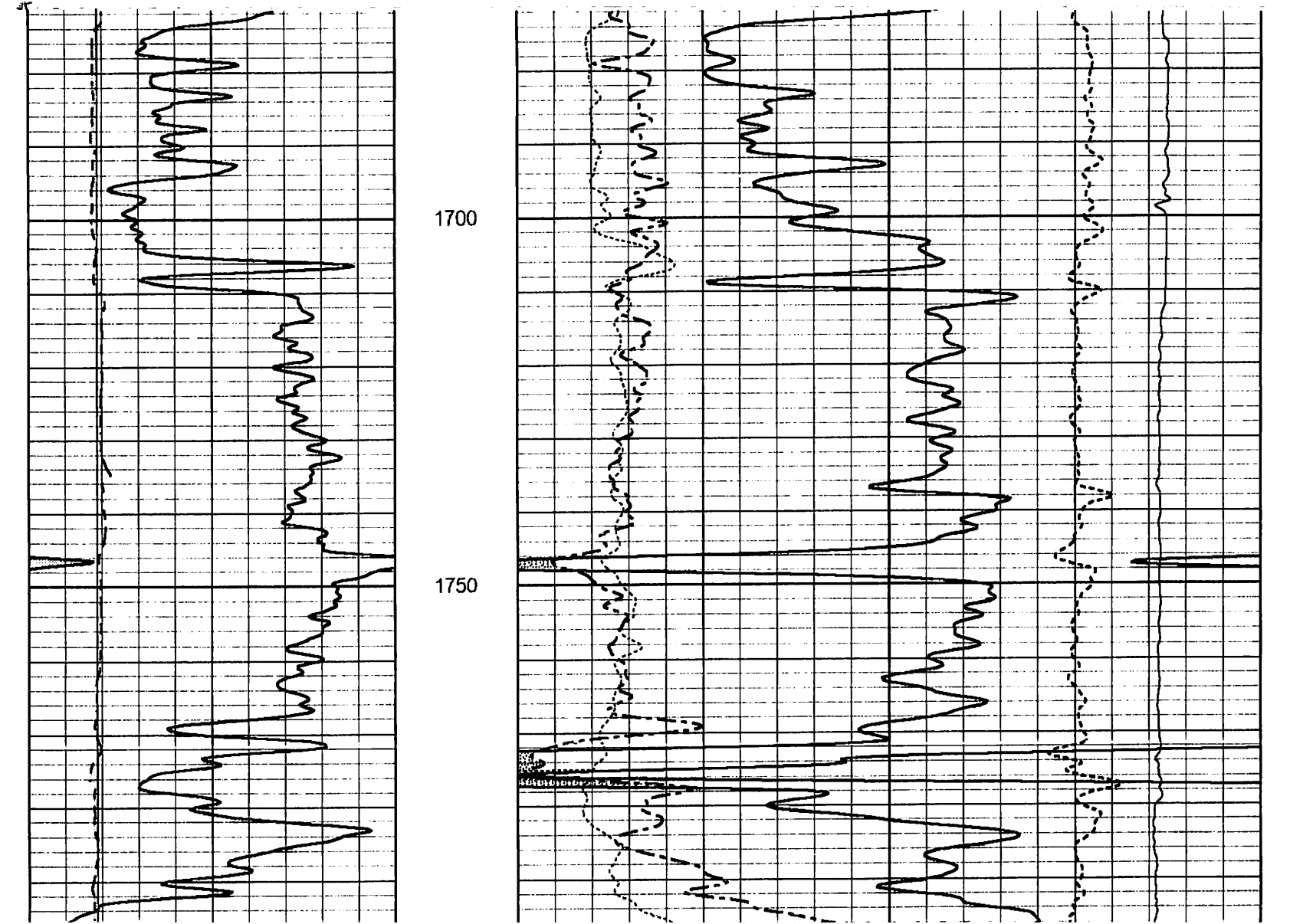

1050
1100
1150

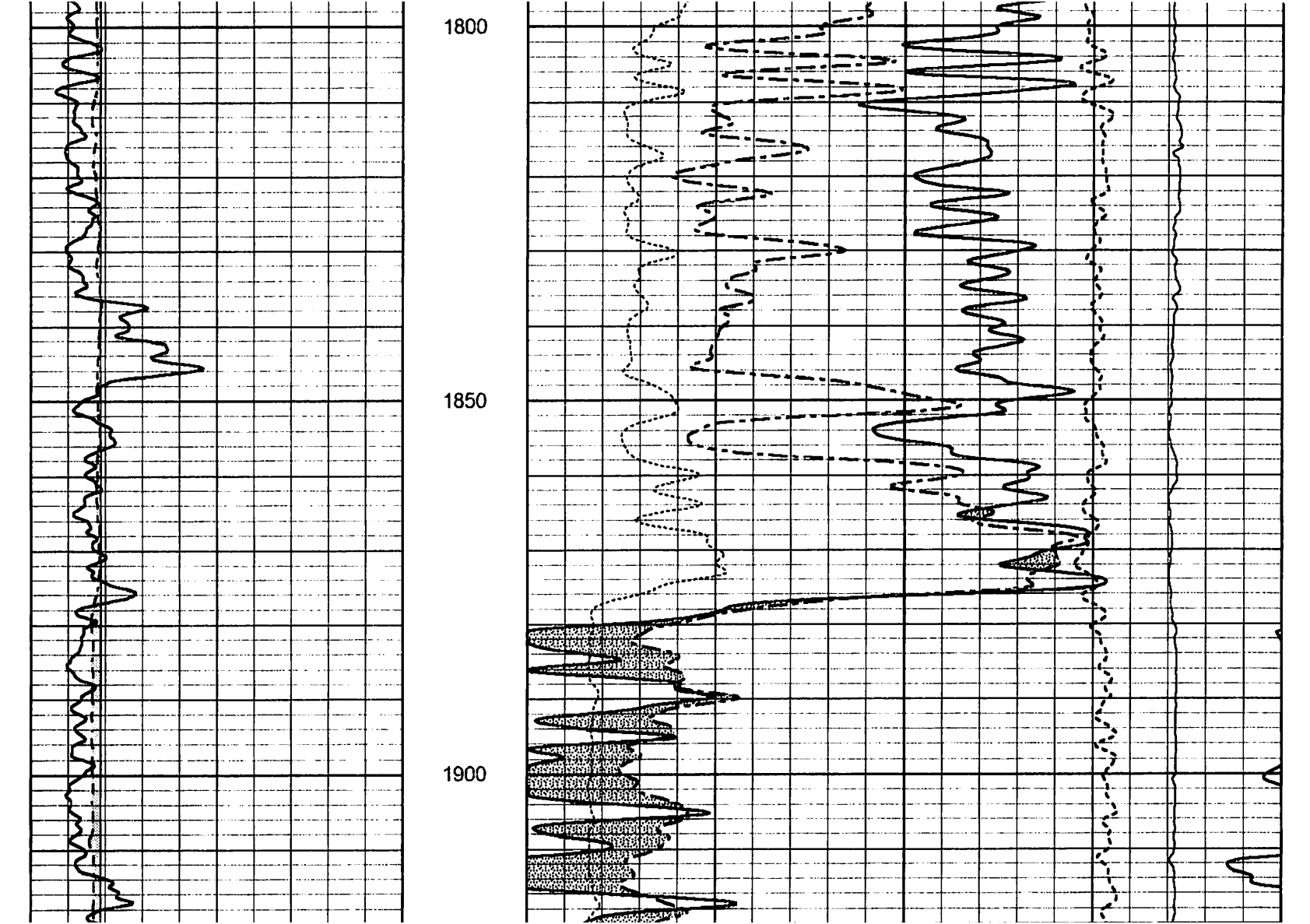

1200
1250

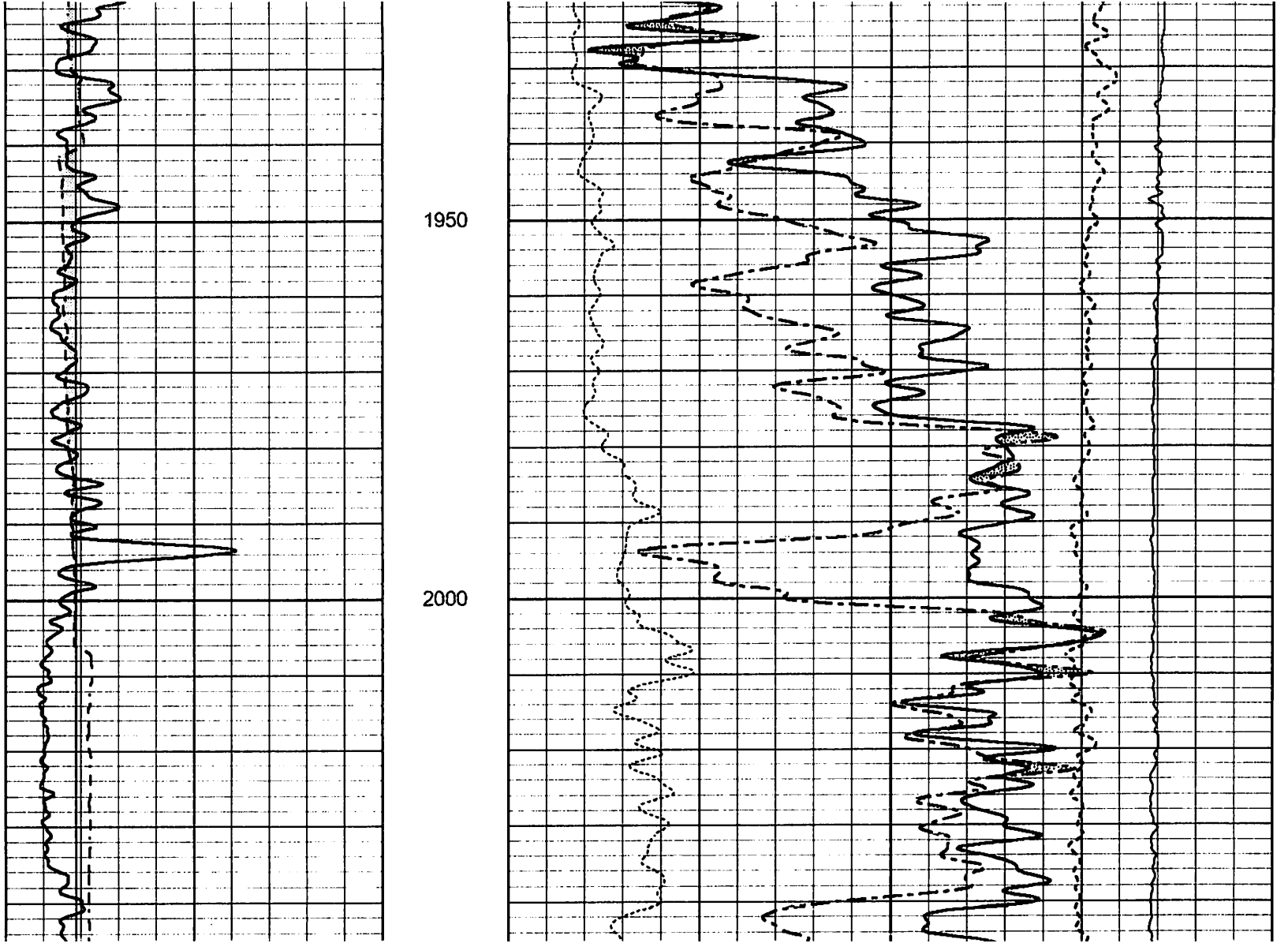

1300
1350
1400

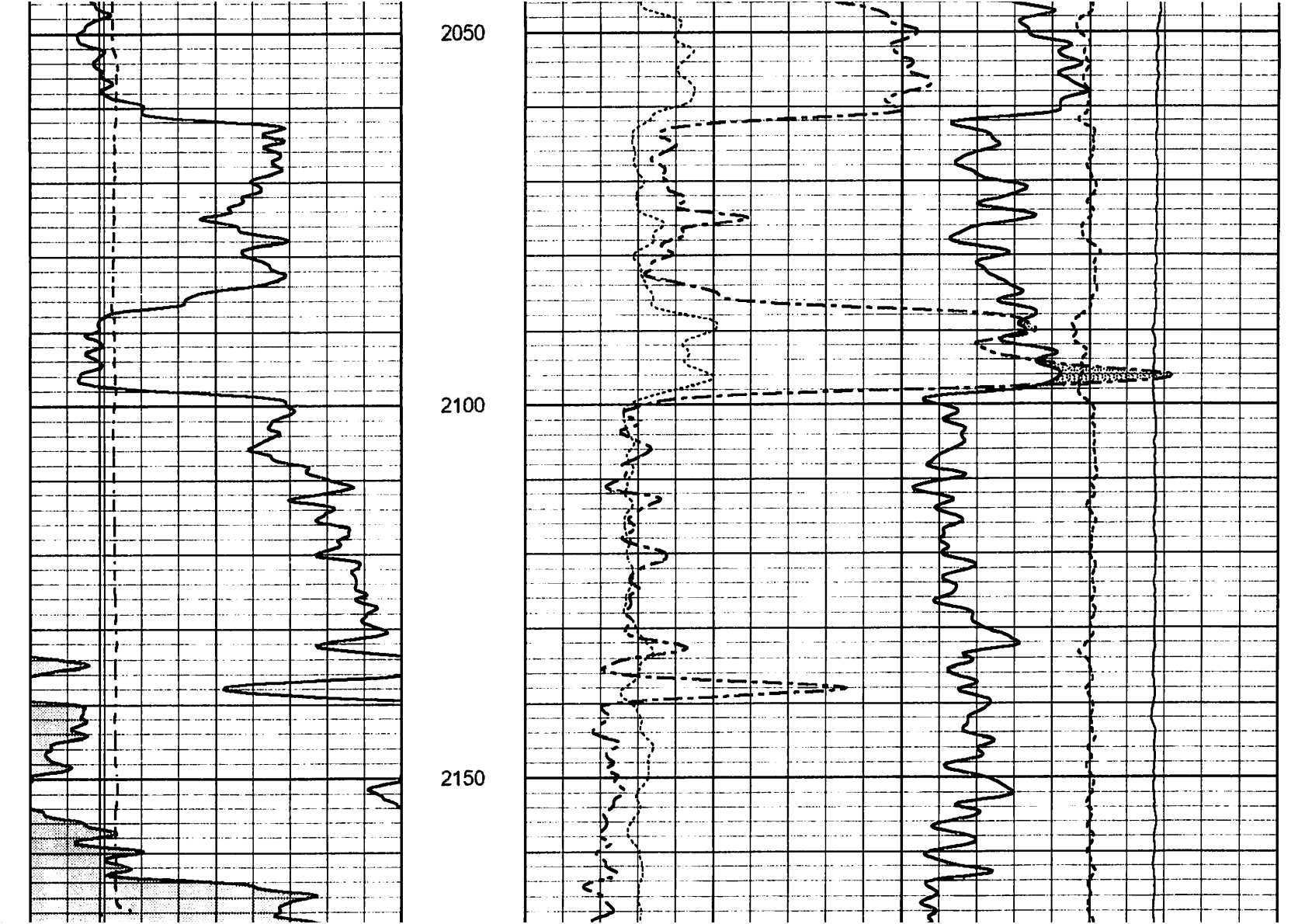

1450
1500

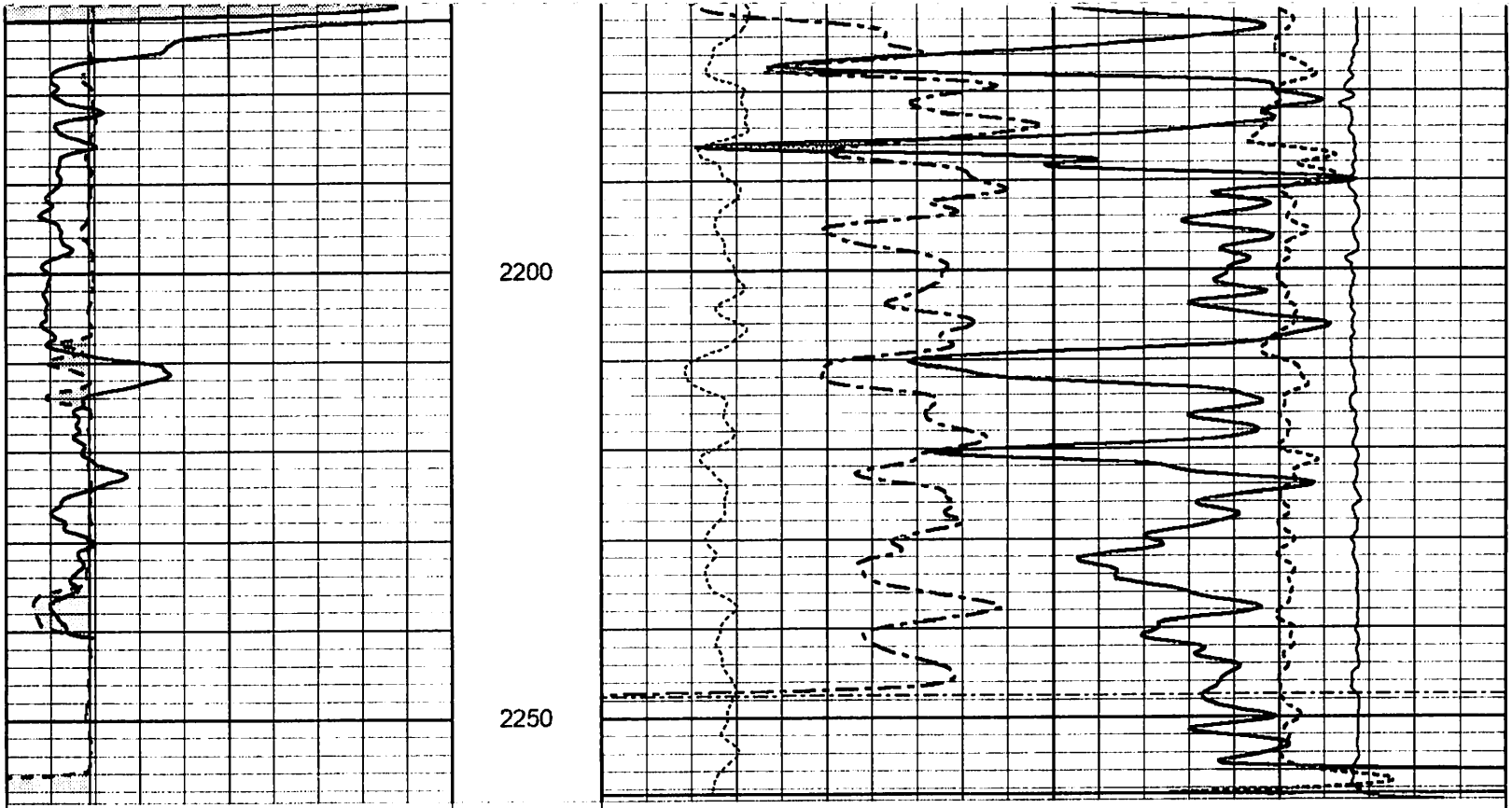

1550
1600
1650


1700
1750


1800
1850
1900


1950
2000


2050
2100
2150



5" DENSITY LOG

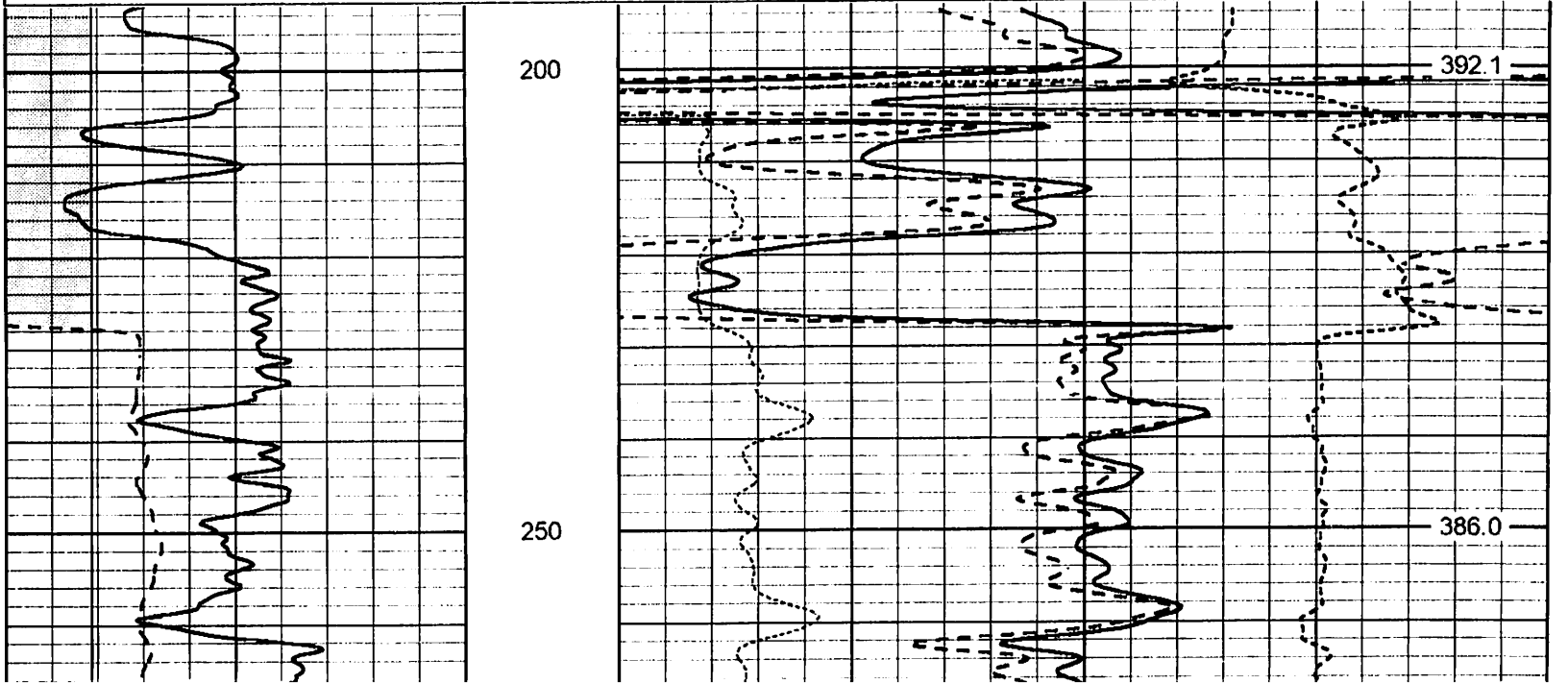
5" DENSITY LOG

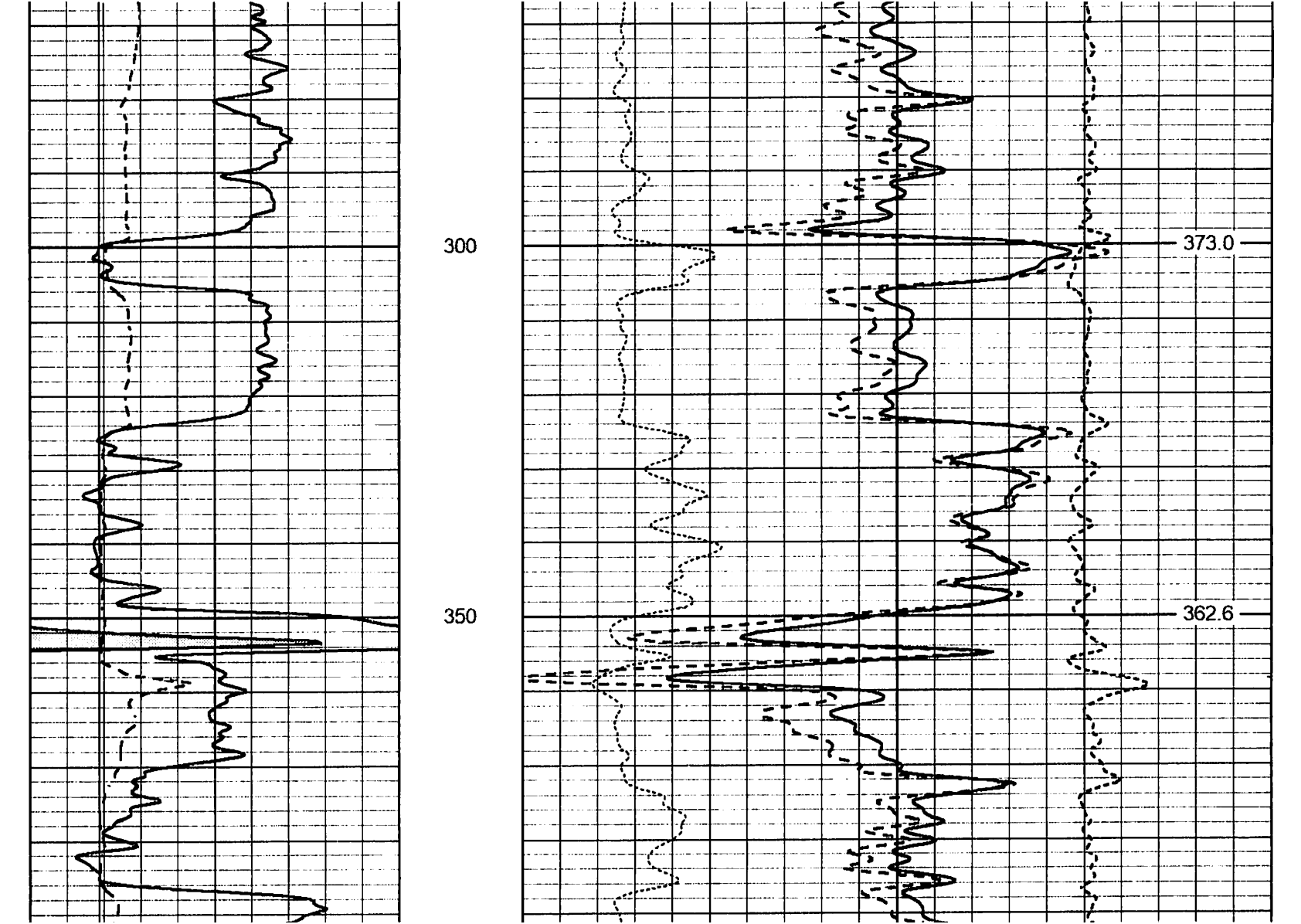
Database File	ow2-9071 hawkins oil.db
Dataset Pathname	pass4.4
Presentation Format	stcdl-6-16_5
Dataset Creation	Sat Jun 11 02:42:24 2022
Charted by	Depth in Feet scaled 1:240

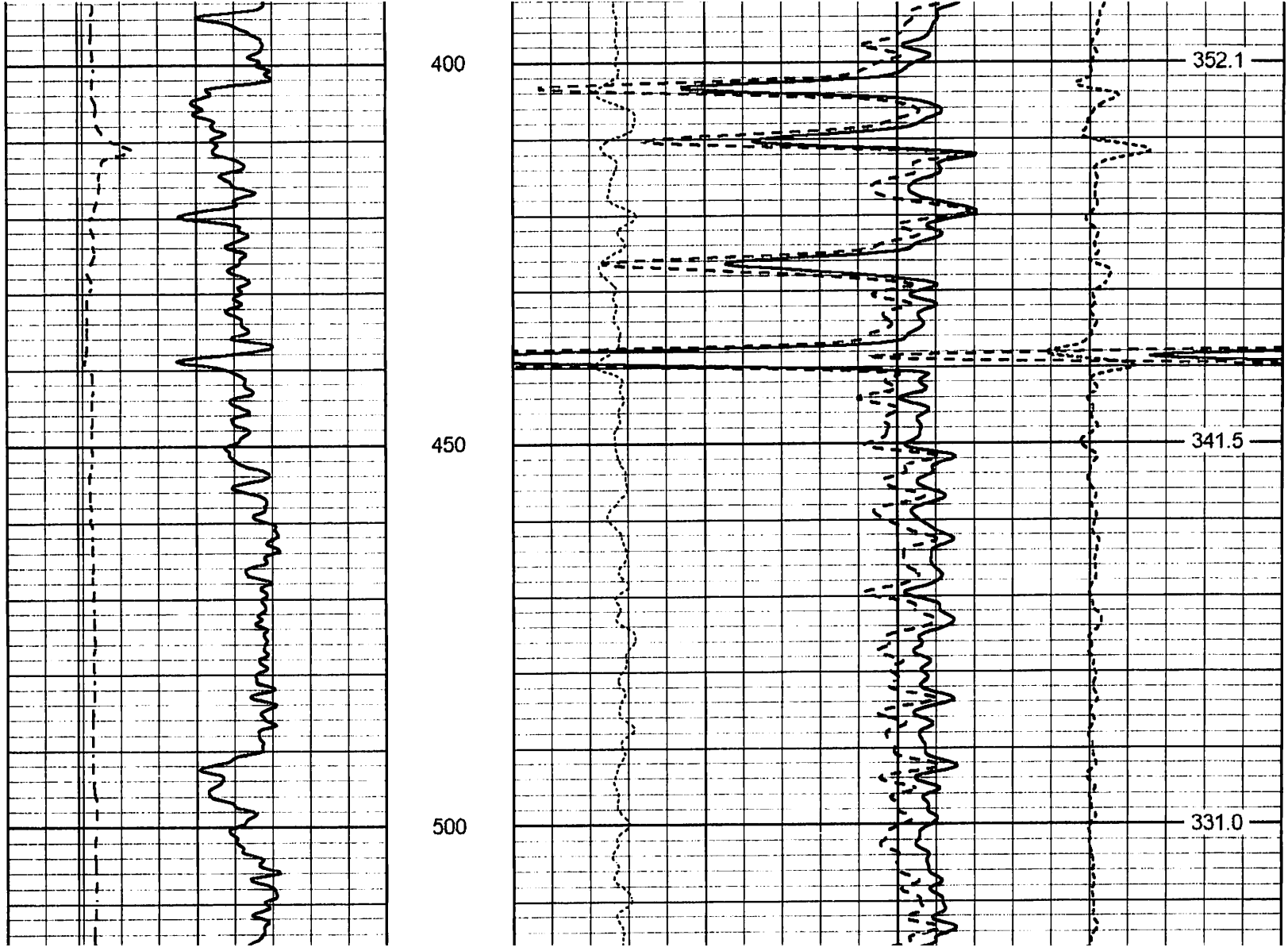
6	Density Caliper (in)	16
0	Gamma Ray (GAPI)	150
6	Bit Size (in)	16

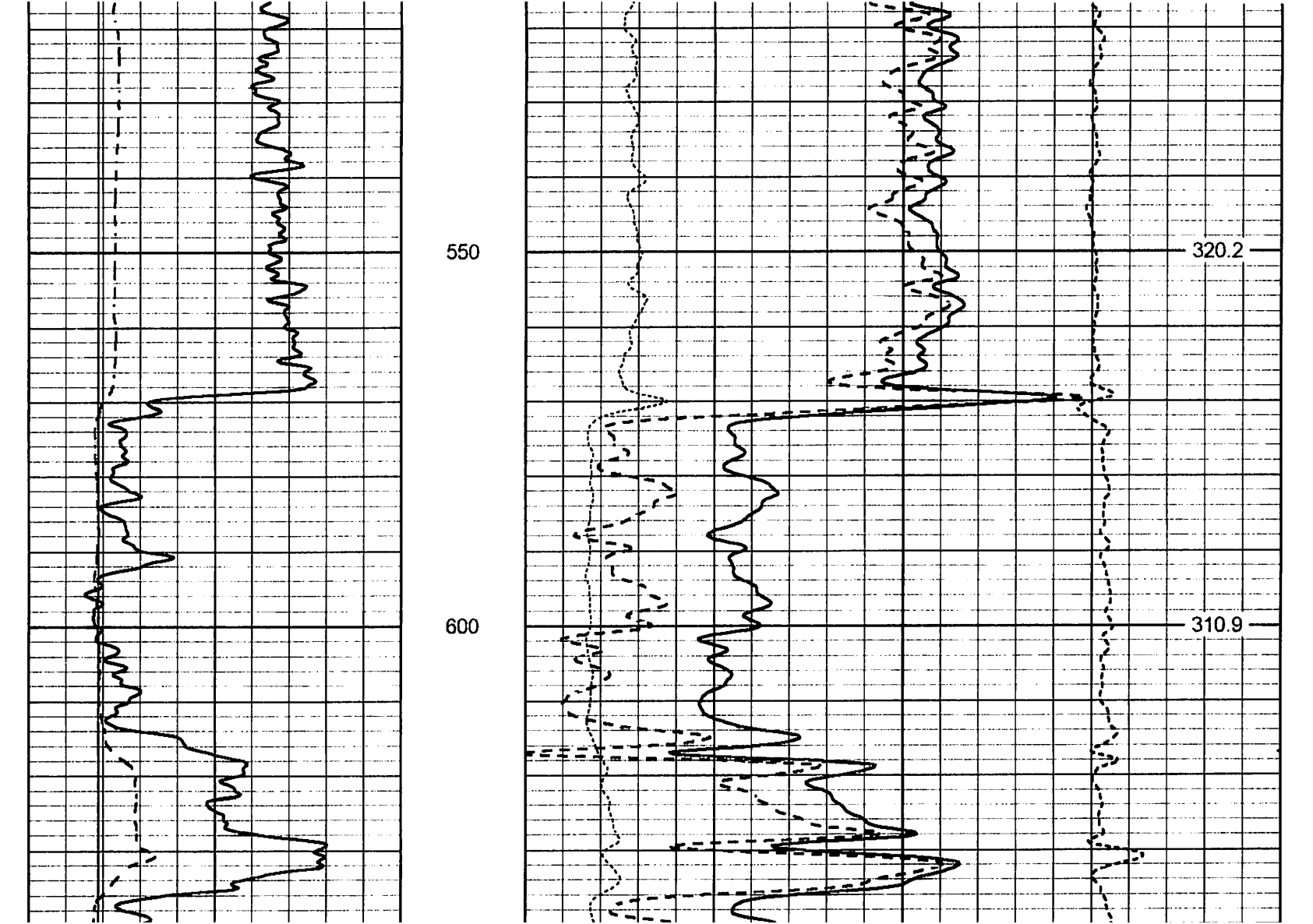
30	Density Porosity (pu)	-10
2	Bulk Density (g/cc)	3
0	PE (barn) 10	-0.5 Correction (g/cc) 0.5

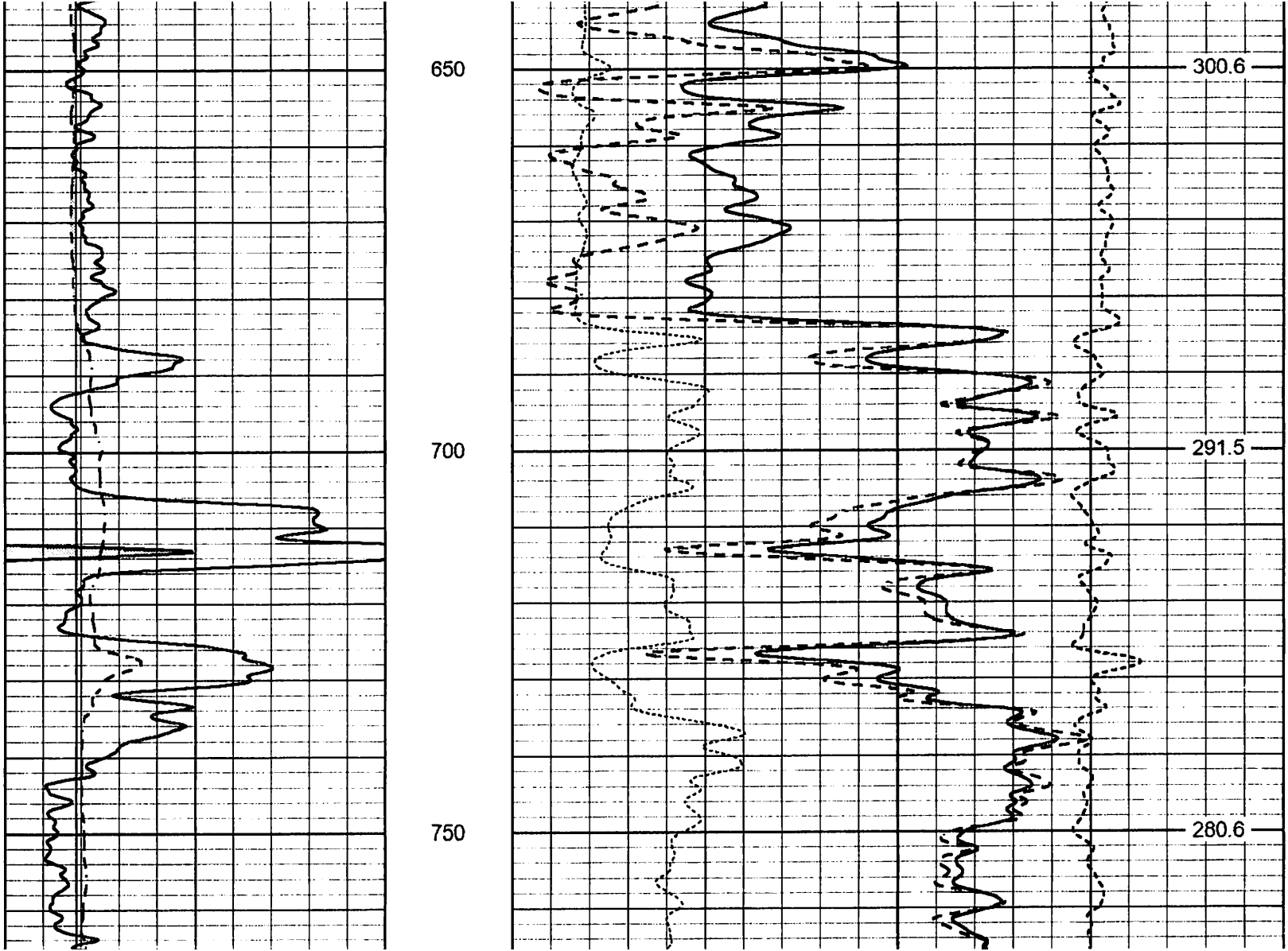
ABHV (ft3)

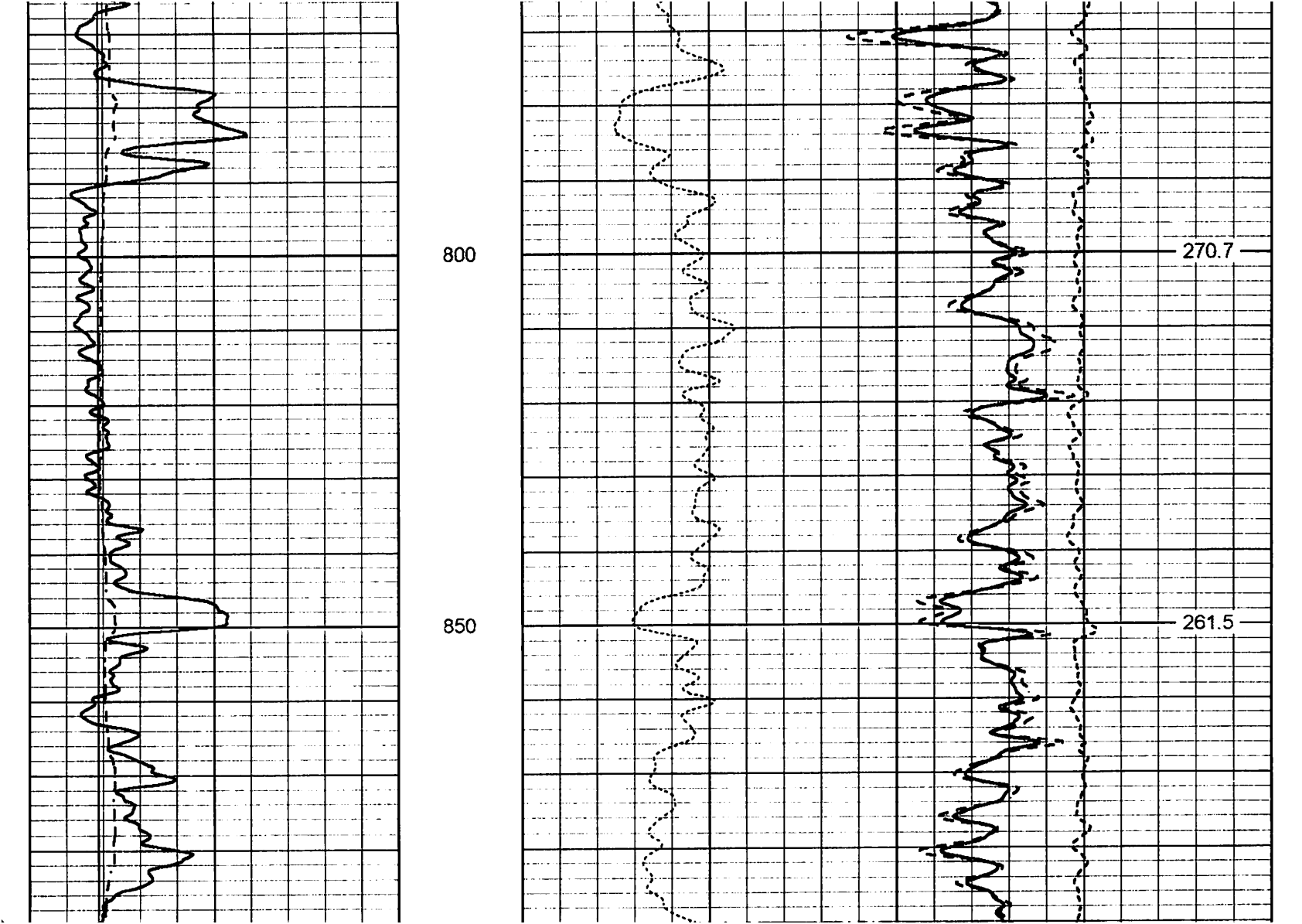


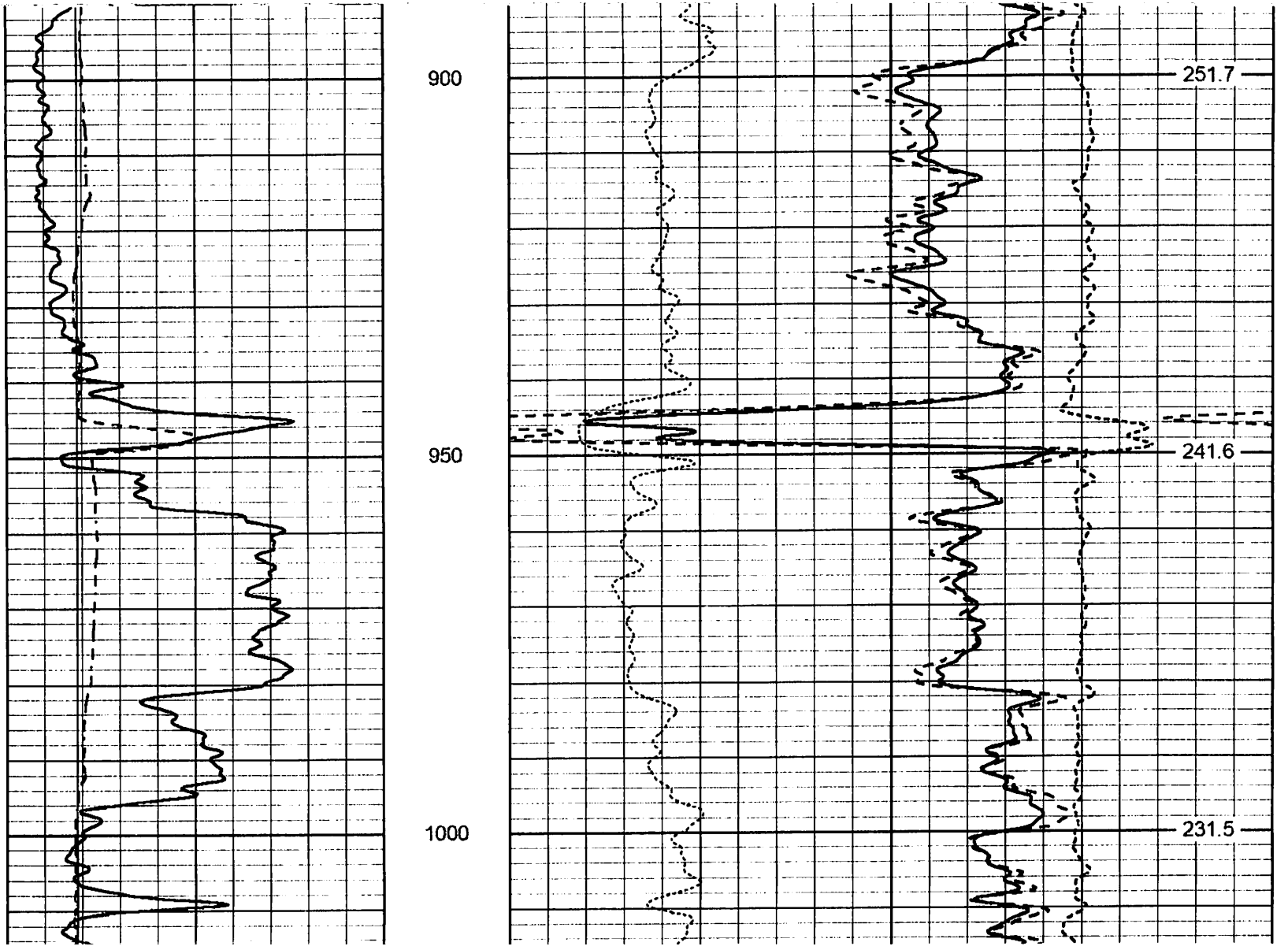

300
350
373.0
362.6

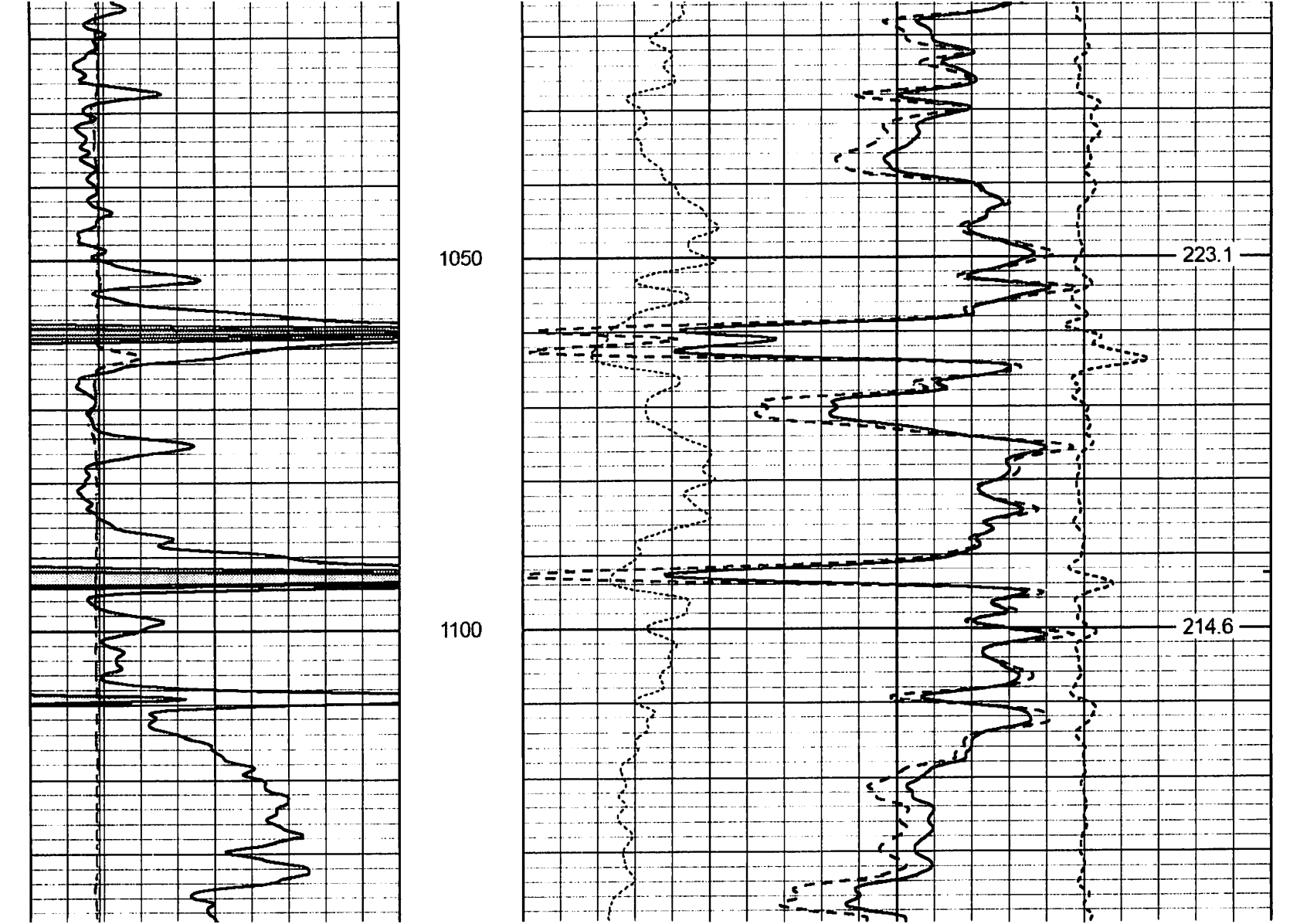

400
450
500
352.1
341.5
331.0

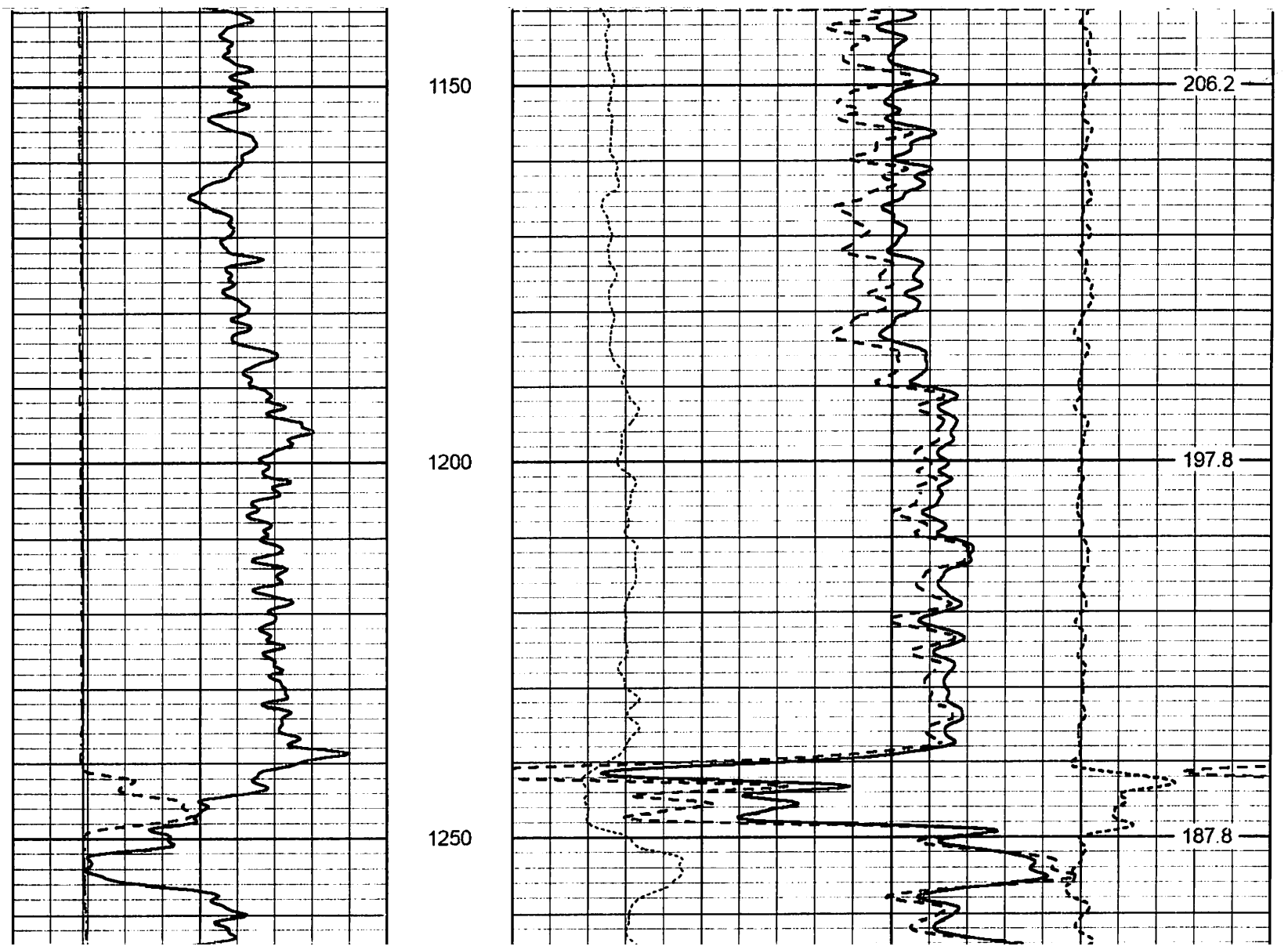

550
600
320.2
310.9

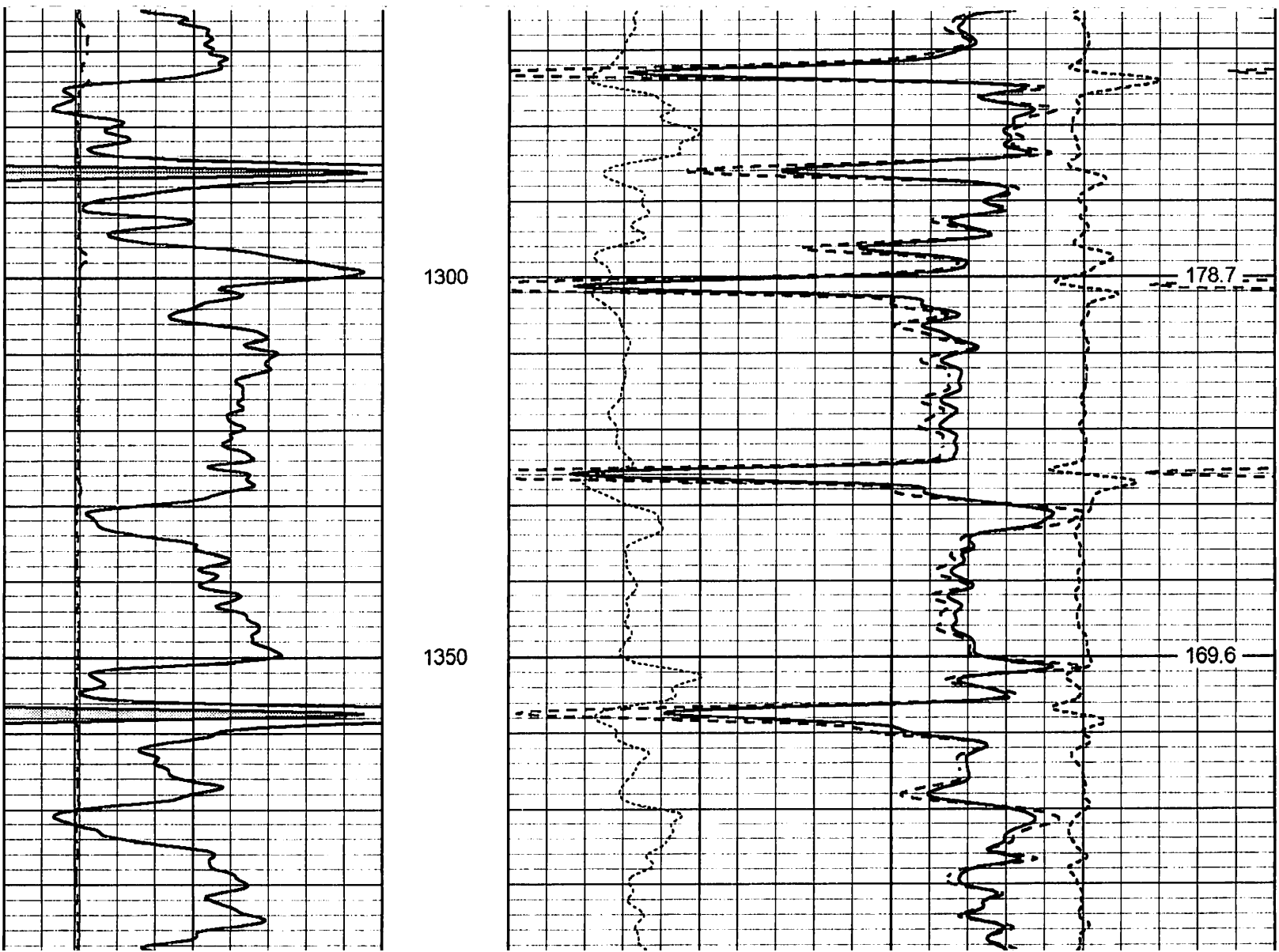

650
700
750
300.6
291.5
280.6

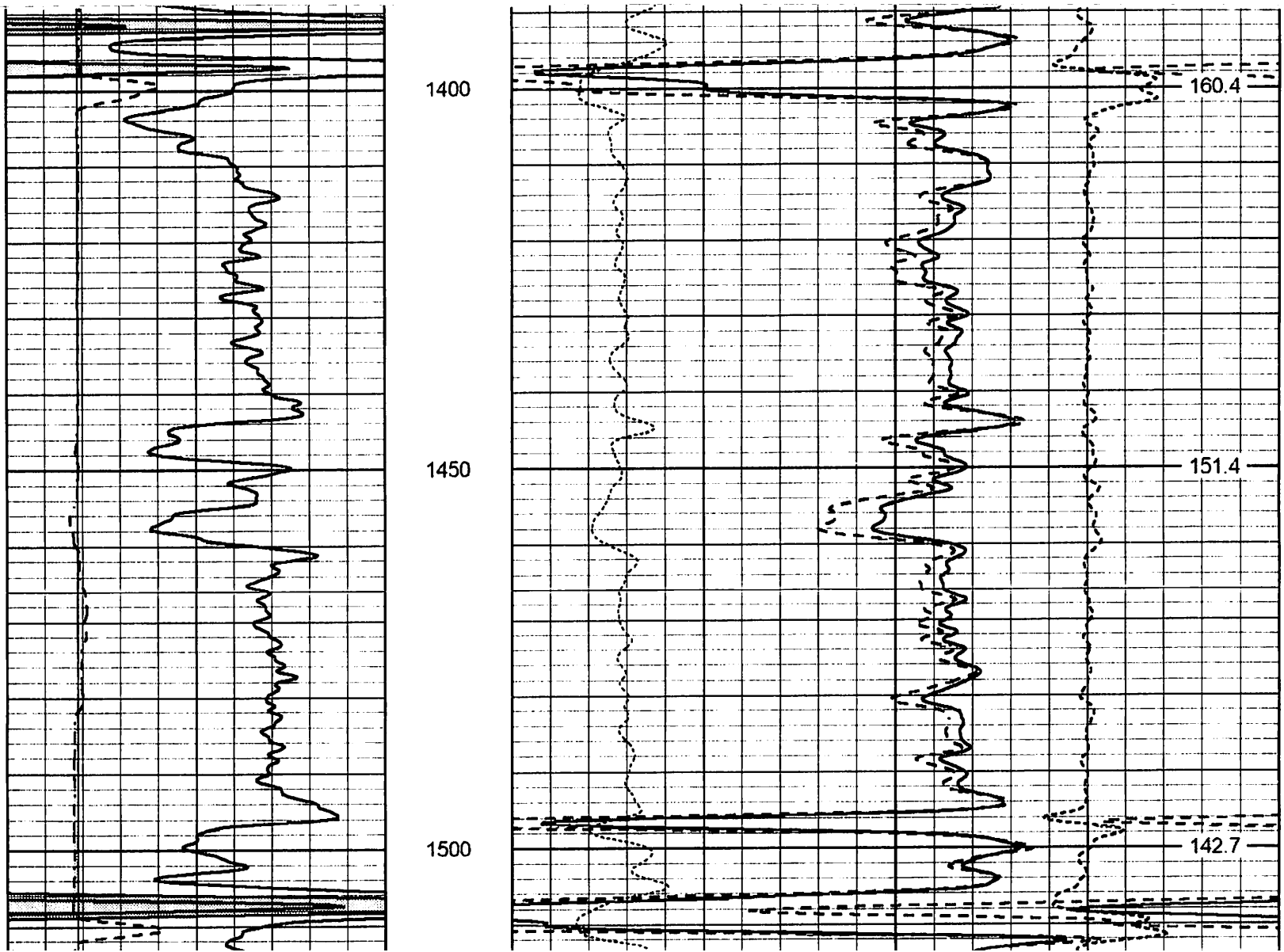

800
850
270.7
261.5

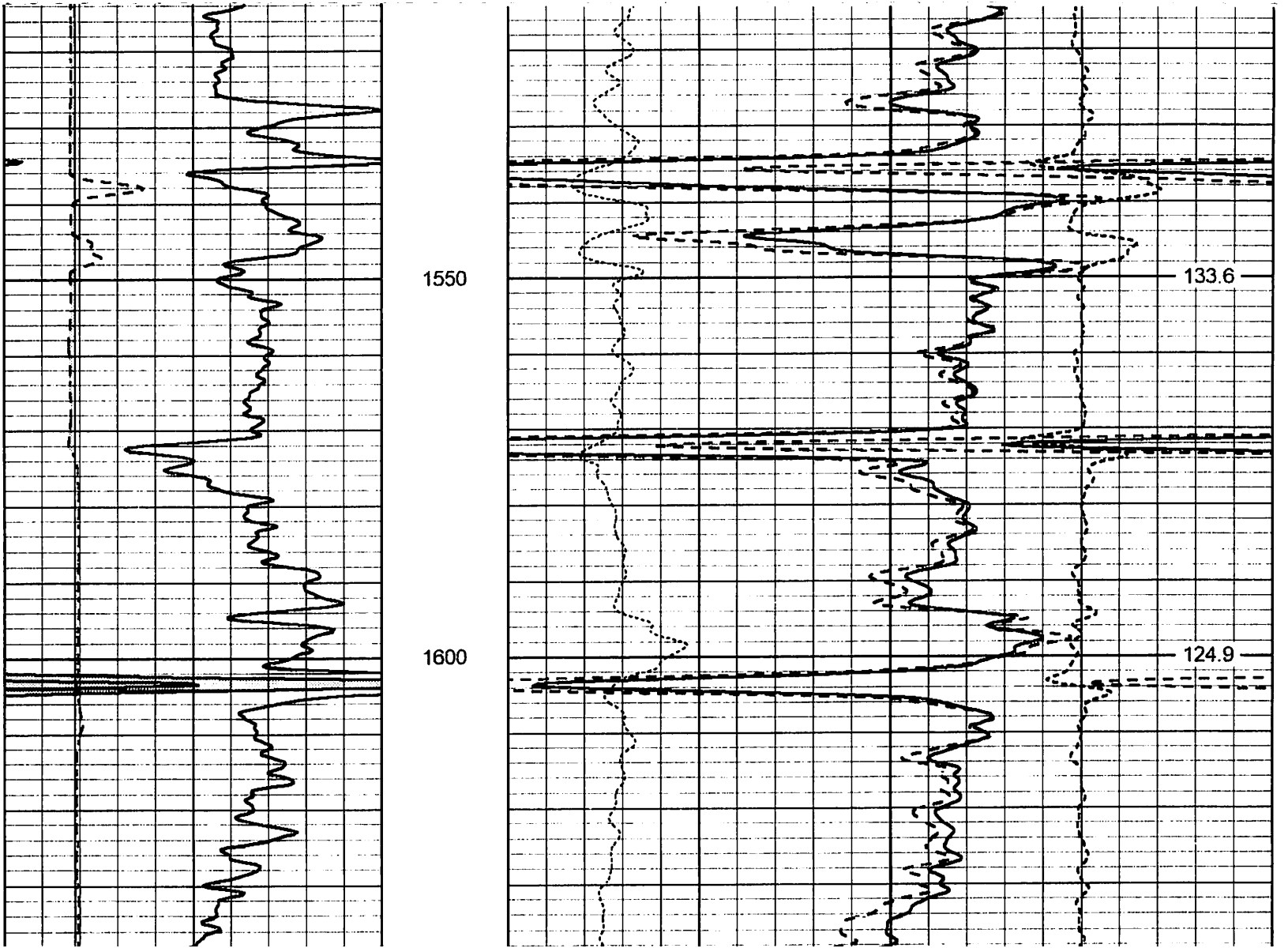

900
950
1000
251.7
241.6
231.5

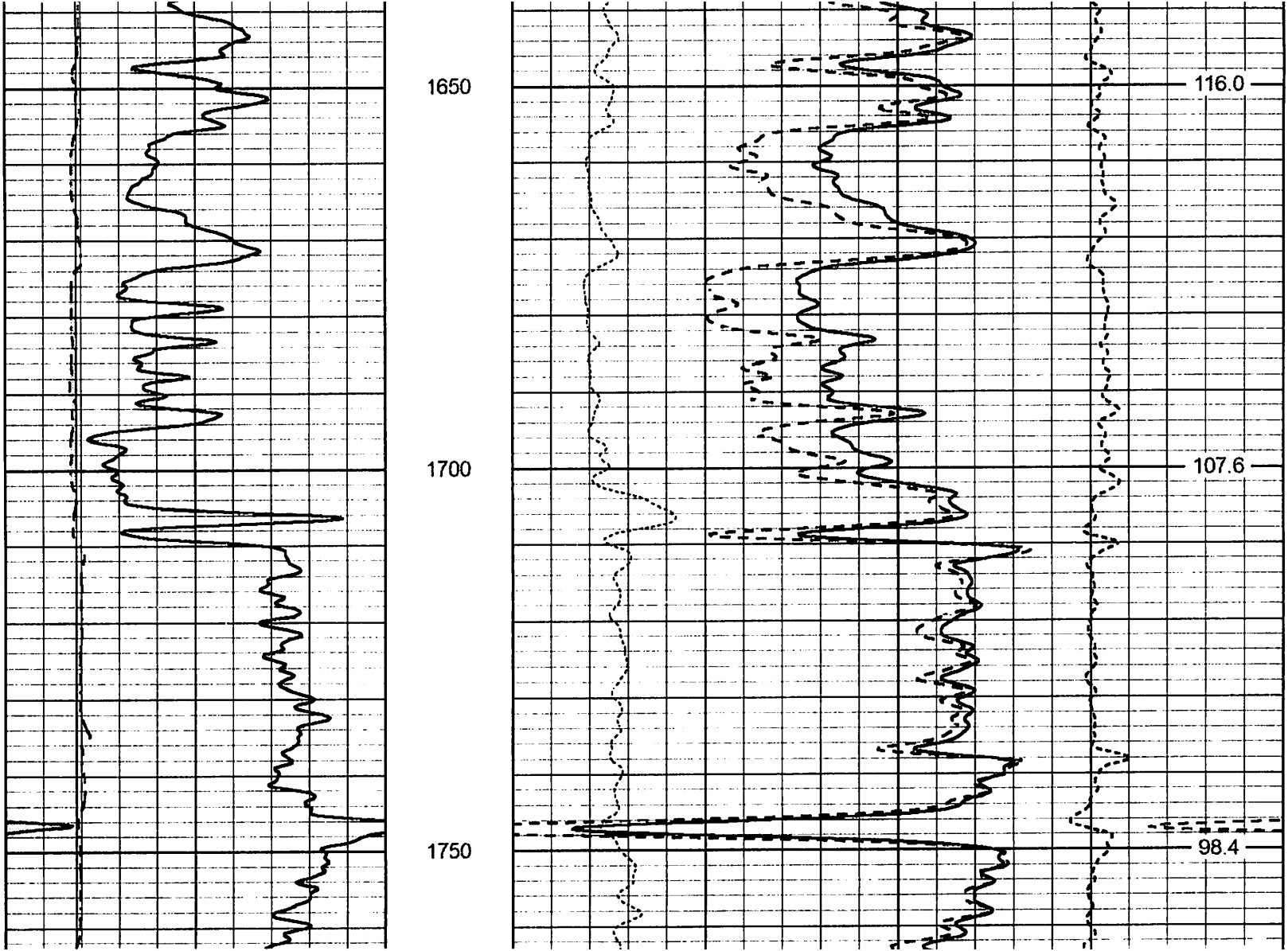

1050
1100
223.1
214.6

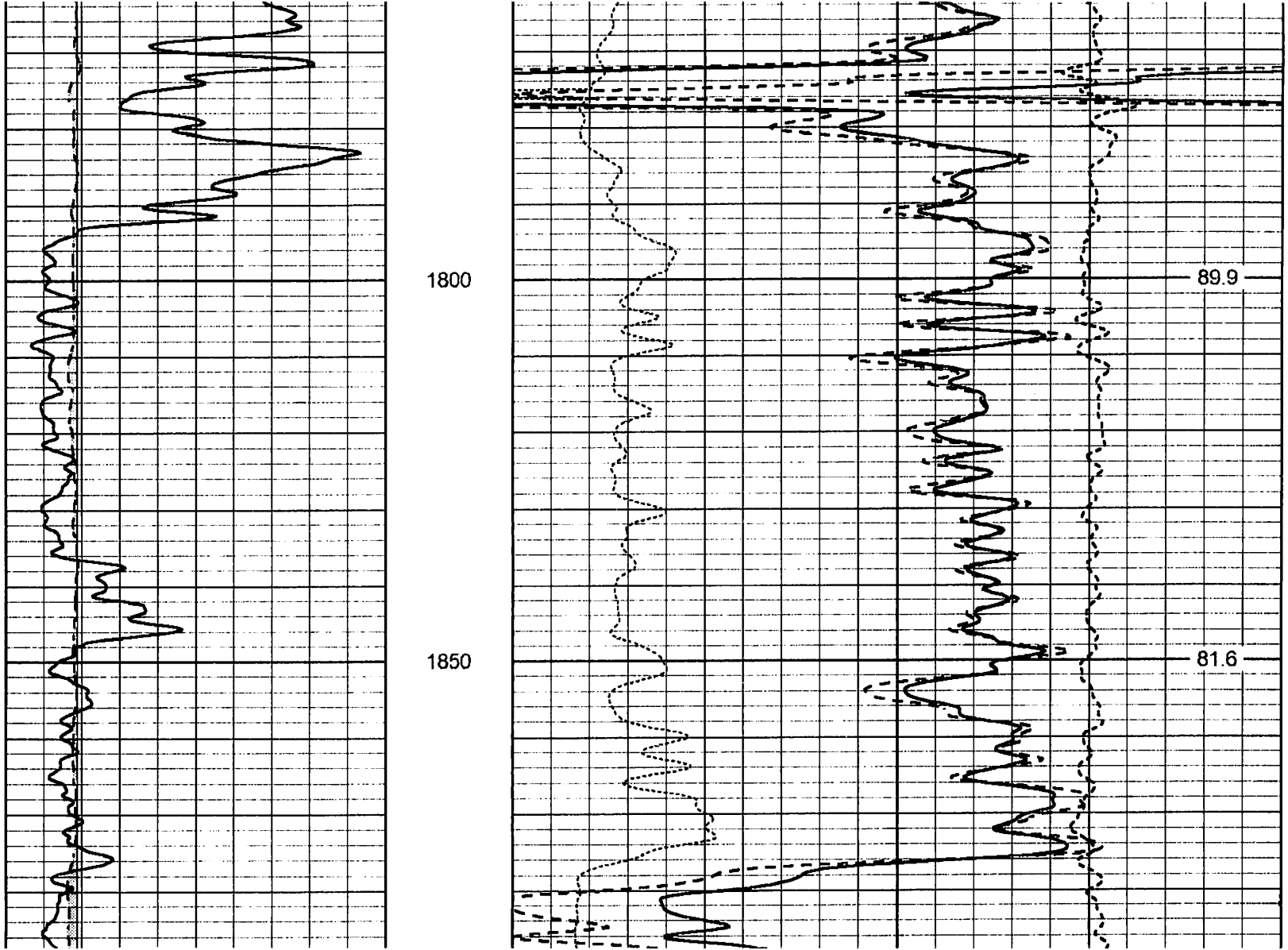

1150
1200
1250
206.2
197.8
187.8

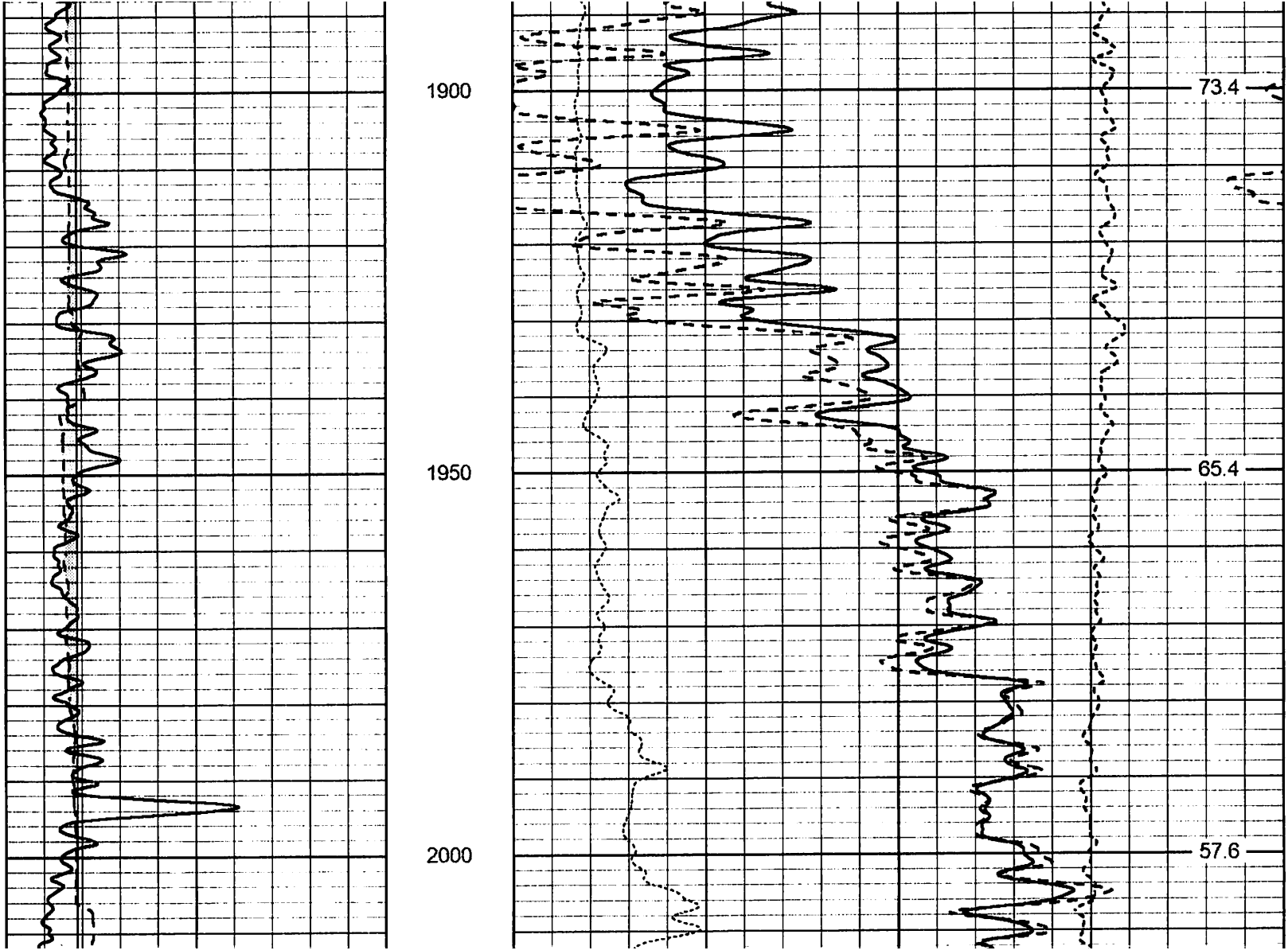

1300
1350
178.7
169.6

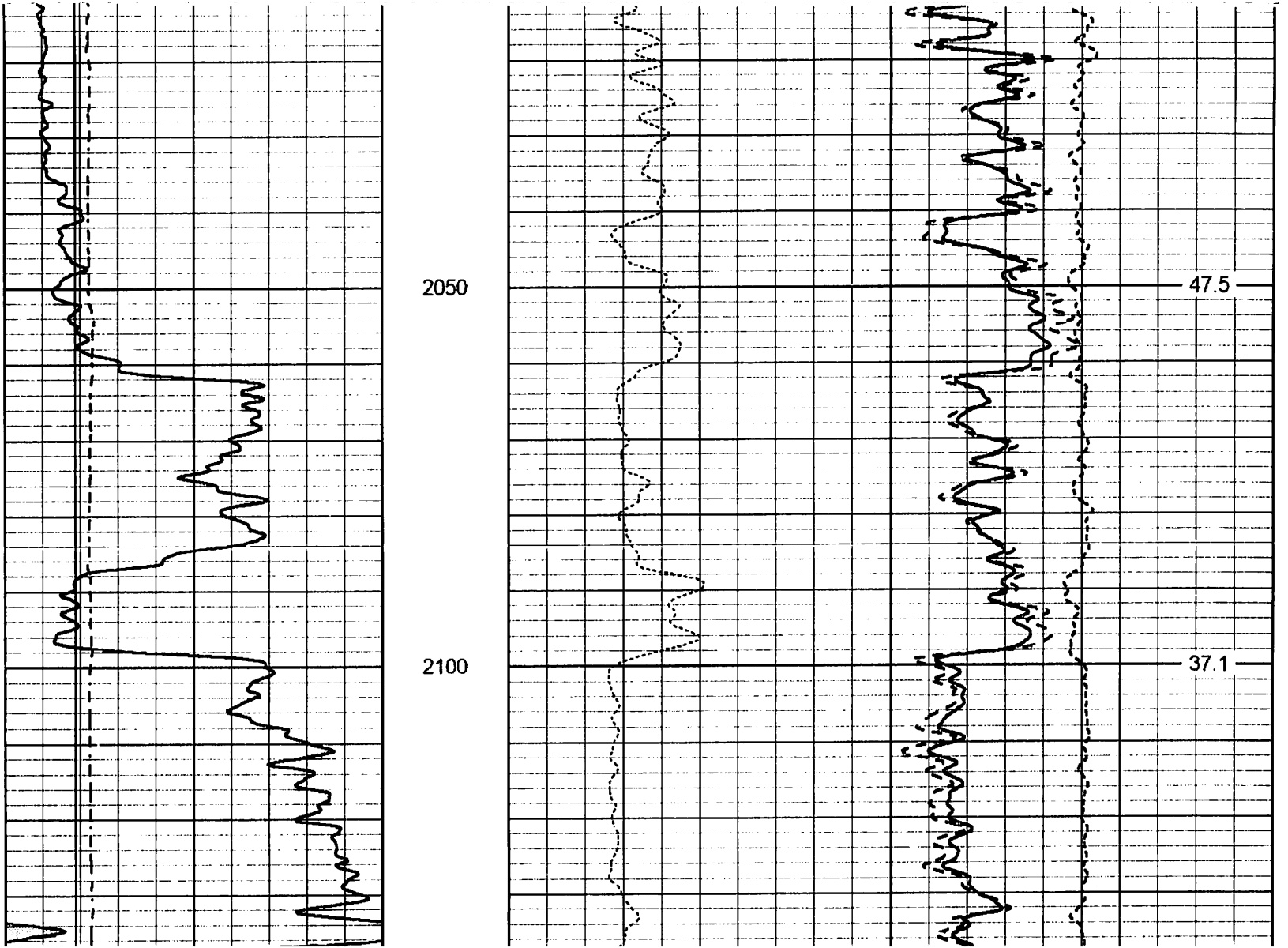

1400
1450
1500
160.4
151.4
142.7

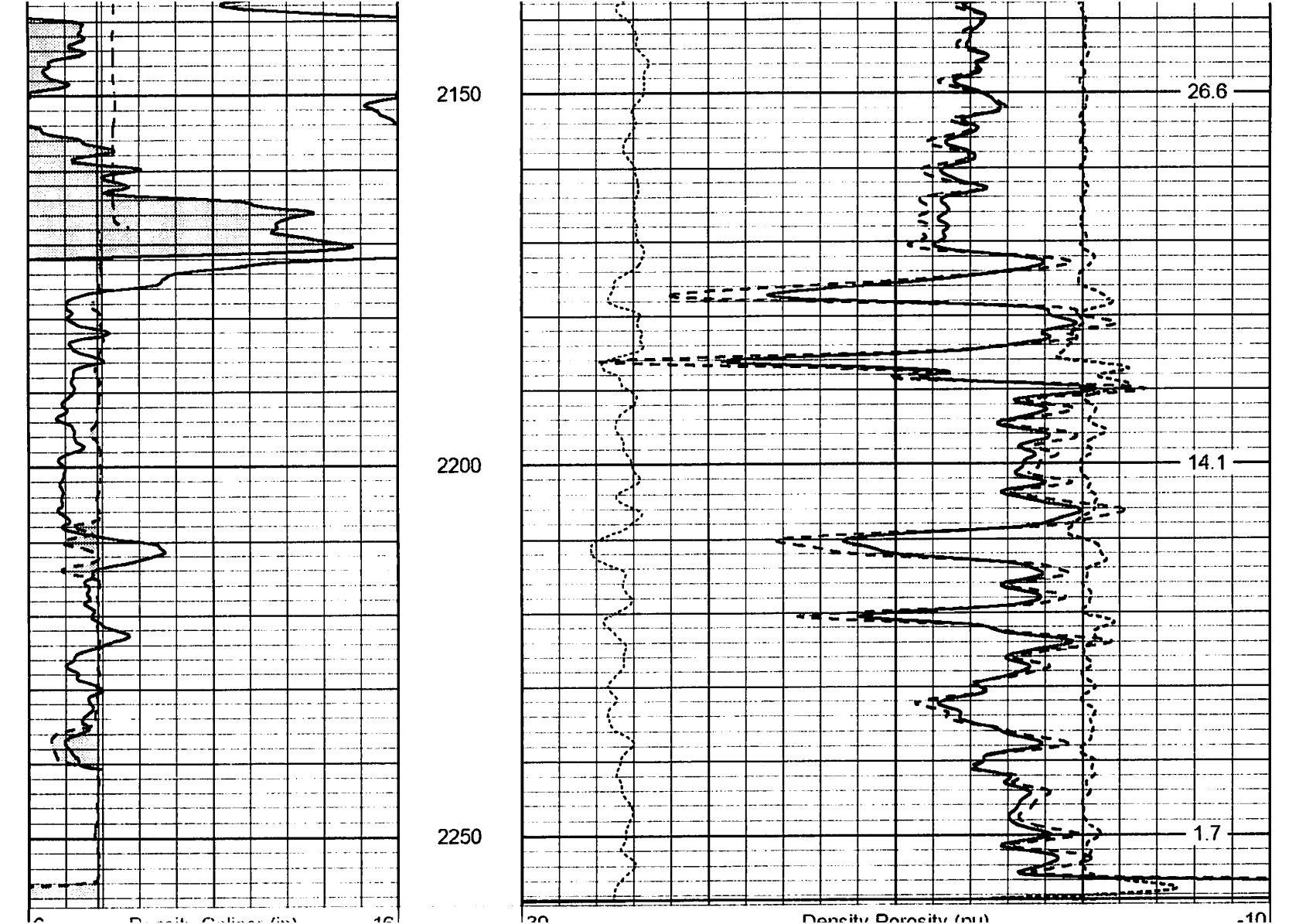

1550
1600
133.6
124.9


1650
1700
1750
116.0
107.6
98.4


1800
1850
89.9
81.6


1900
1950
2000
73.4
65.4
57.6


2050
2100
47.5
37.1


2150
2200
2250
26.6
14.1
1.7
Density Porosity (pu)

0	Gamma Ray (GAPI)	150
6	Bit Size (in)	16

2	Bulk Density (g/cc)				3
0	PE (barn)	10	-0.5	Correction (g/cc)	0.5
				ABHV (ft3)	

Calibration Report

Database File ow2-9071 hawkins oil.db
Dataset Pathname pass4.3
Dataset Creation Sat Jun 11 02:42:05 2022

Admyr Lithodensity Calibration Report

Serial-Model: 1B-B
Source: Blue2
Master Calibration Performed: Fri May 6 15:29:32 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6749.83	8432.13	cps
Aluminium	2.590	g/cc	1687.01	4349.47	cps
Aluminium+Sleeve	2.600	g/cc	1598.50	4085.28	cps

Spine Angle = 64.48 Density/Spine Ratio = 0.573

	PE		NLITH	NHARD	
Magnesium	1.658	barn	4902.16	4664.55	cps
Aluminium	2.228	barn	1117.51	1283.16	cps
Aluminium+Sleeve	3.107	barn	917.28	1248.07	cps

M = 0.888 B = -0.329 R = 1.000

	Size		Reading	
Small Ring	7.82	in	3.88	V

Large Ring	14.80	in	8.96	V

Neutron Calibration Report

Serial Number:	ADMYR1		
Tool Model:	ADDON		
Performed:	Tue May 31 06:47:17 2022		
Calibrator Values:	0	30	
Calibrator Readings:	860	280	cps
Sensitivity:	-0.0517241	/cps	

Inclinometer Calibration Report

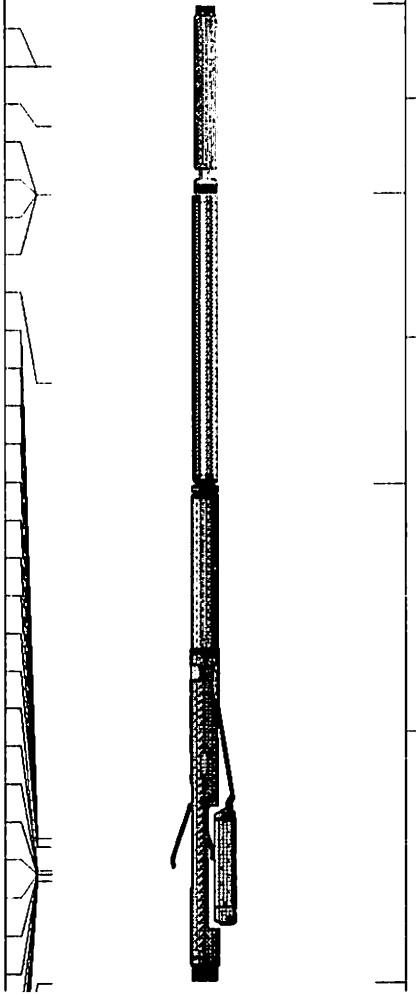
Performed: Thu Oct 8 13:57:38 2020

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	Refurb01	
Tool Model:	OSAGE_01	
Performed:	Mon Jan 18 09:02:16 2021	
Calibrator Value:	150.0	GAPI
Background Reading:	125.0	cps

Calibrator Reading:	875.0	cps
Sensitivity:	0.2000	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	17.83					
ACCX	17.83					
GR	16.65		ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
FRAMES	15.33					
SSTAT	15.33					
PSTAT	15.33					
ASTAT	15.33					
NEU	11.66					
DCAL	2.79		NEU-ADDON (ADMYR1) Inline Neutron	5.65	3.38	84.00
LS_HV	2.63					
LS8	2.63					
LS7	2.63					
LS6	2.63					
LS5	2.63					
NHARD	2.63					
LSD	2.63					
LS2	2.63					
NLITH	2.63					
LSTAT	2.17		ADT1LITH-B (1B)	9.69	4.25	238.00
LSV	2.17					
SS_HV	2.08					
SS8	2.08					
SS7	2.08					
SS6	2.08					
SS5	2.08					
SS4	2.08					

SSD	2.08
SS2	2.08
SS1	2.08
SSV	1.96
TR_Mon	0.00

Dataset:	ow2-9071 hawkins oil.db: field/well/run1/pass4.2
Total length:	19.02 ft
Total weight:	375.00 lb
O.D.:	4.25 in