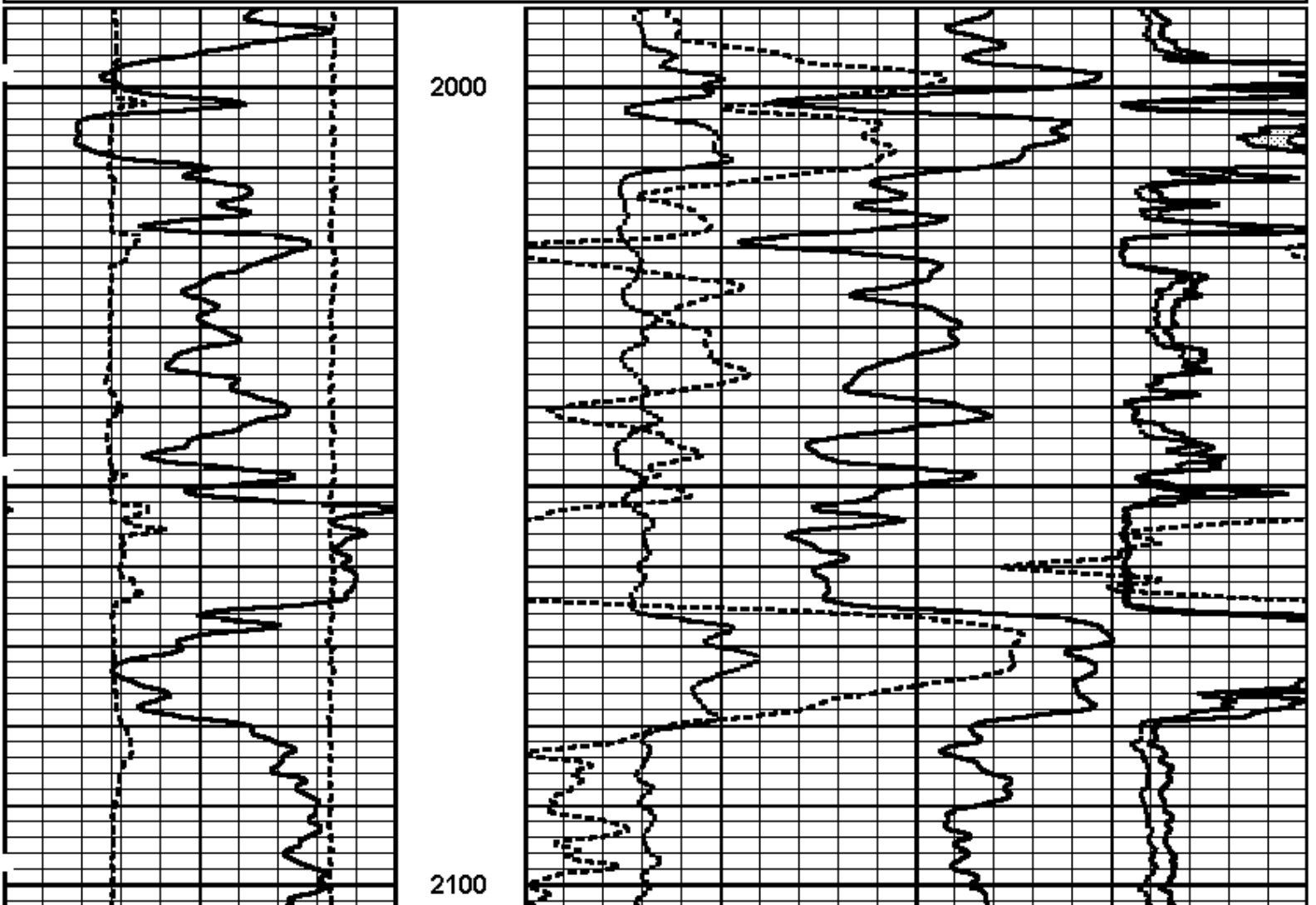


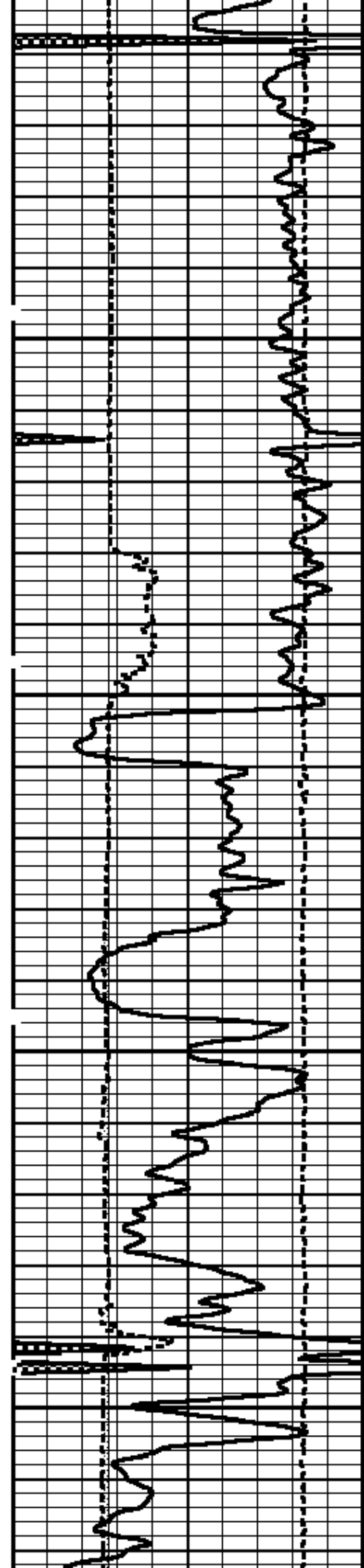
NEUTRON DECENTRALIZED WITH BOWSPRING.
 ANNULAR BOREHOLE VOLUME CALCULATED FOR 7" CASING.
 BOTTOM NOSE HOLE FINDER RAN AT CUSTOMERS REQUEST.
 INDUCTION ANOMALY AT 3460 FT.
 GR ANOMALYS NOT REPEATED AT 2981, 3183 AND 3200, NOTED BY COMPANY MAN.

YOUR CREW TODAY: J. Sheets, K. Patton
 THANK YOU FOR CHOOSING ALLIED WIPELINE. OKLAHOMA CITY, OK. (405) 445-7135.

Database File: voegele_1_28.db
 Dataset Pathname: main
 Presentation Format: alimed
 Dataset Creation: Wed Jun 29 14:43:03 2011 by Calc Sondex V7.03
 Charted by: Depth in Feet scaled 1:240

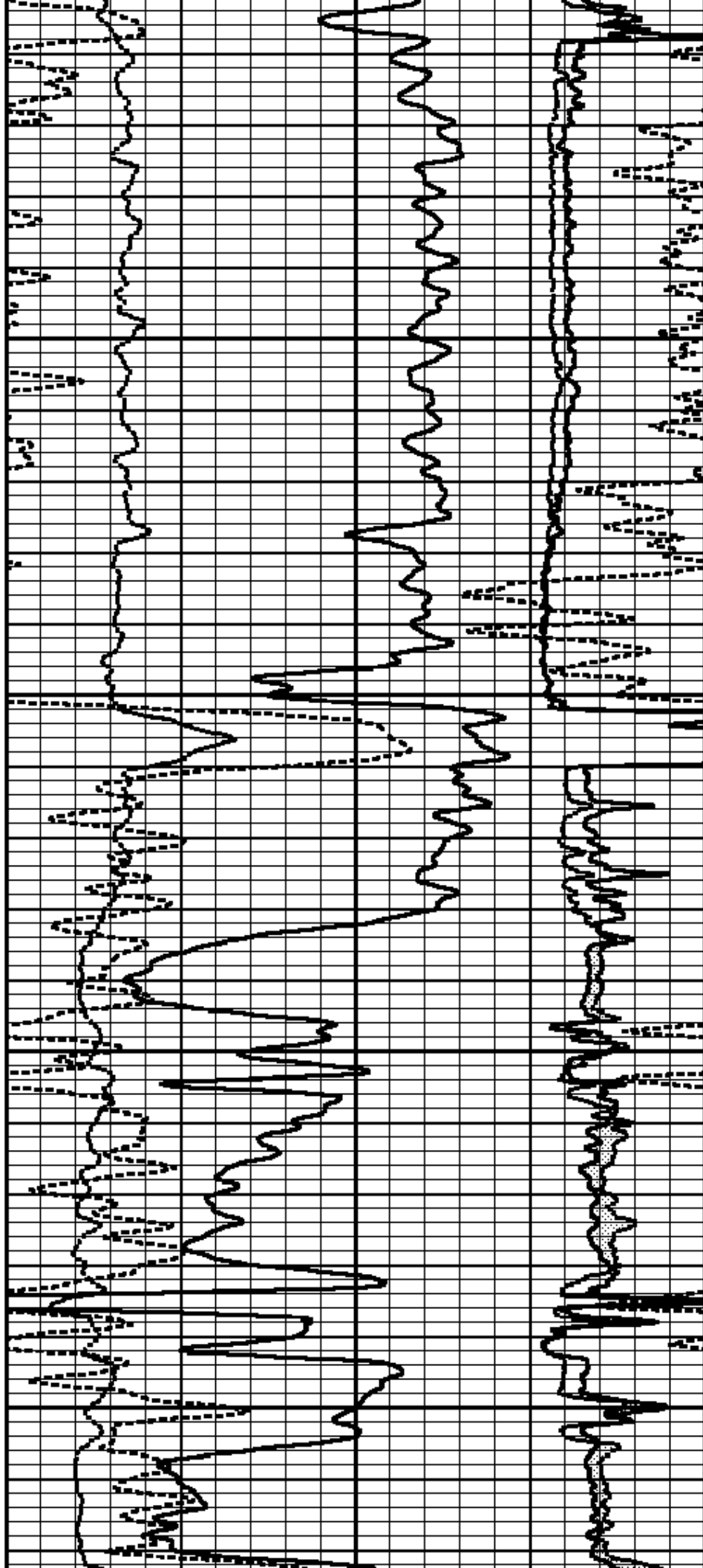
0	GAMMA RAY (GAPI)	150	30	DENSITY POROSITY (pu)	-10
6	CALIPER (in)	16	30	NEUTRON POROSITY (pu)	-10
6	BITSIZE (in)	16	0	PE	10
	TENSION				INV
	5000 (lb)	0			0 (Ohm-m) 20
					NORM
					0 (Ohm-m) 20

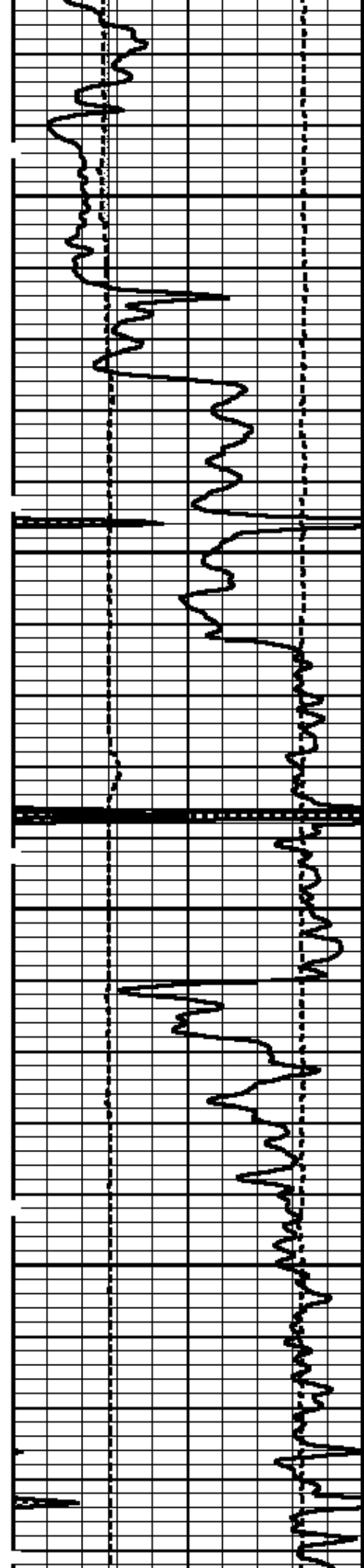




2200

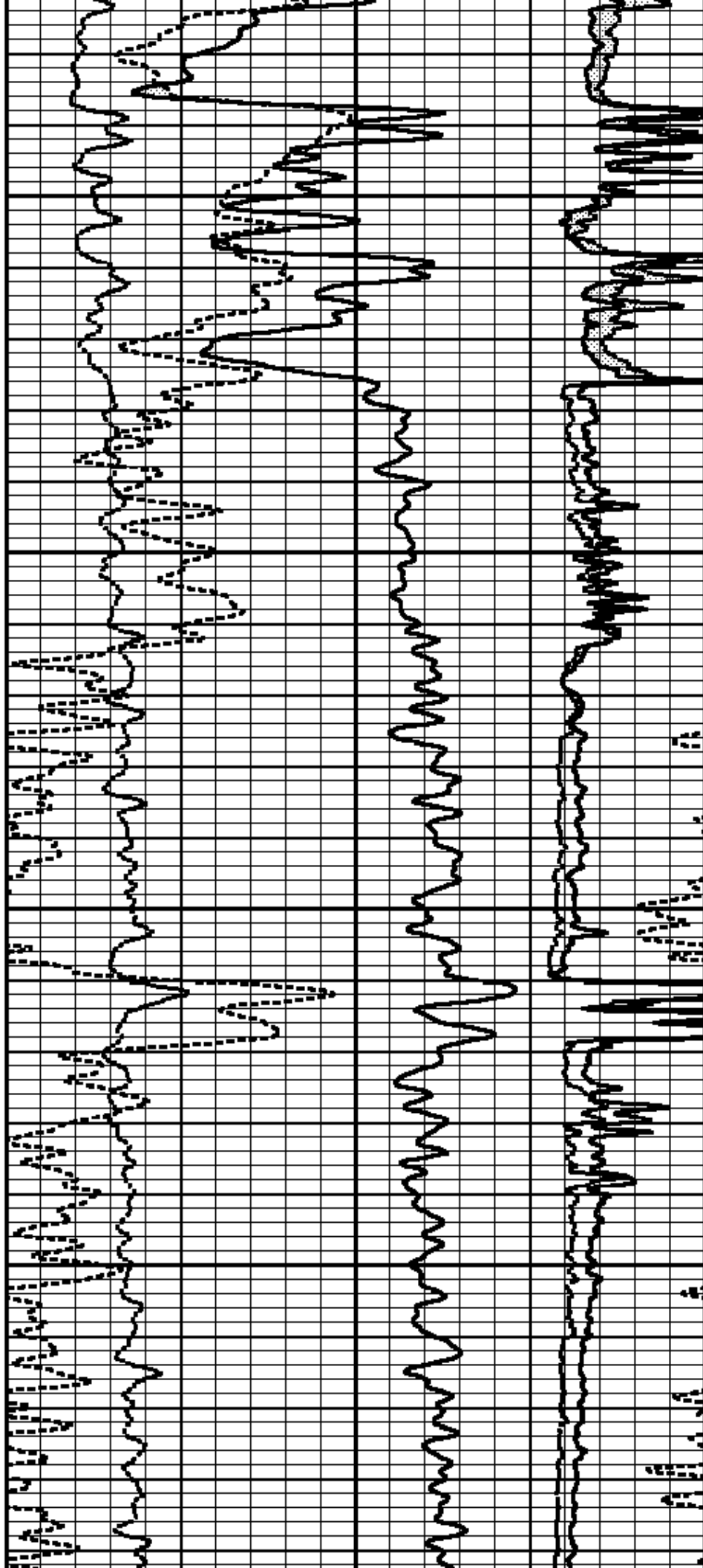
2300

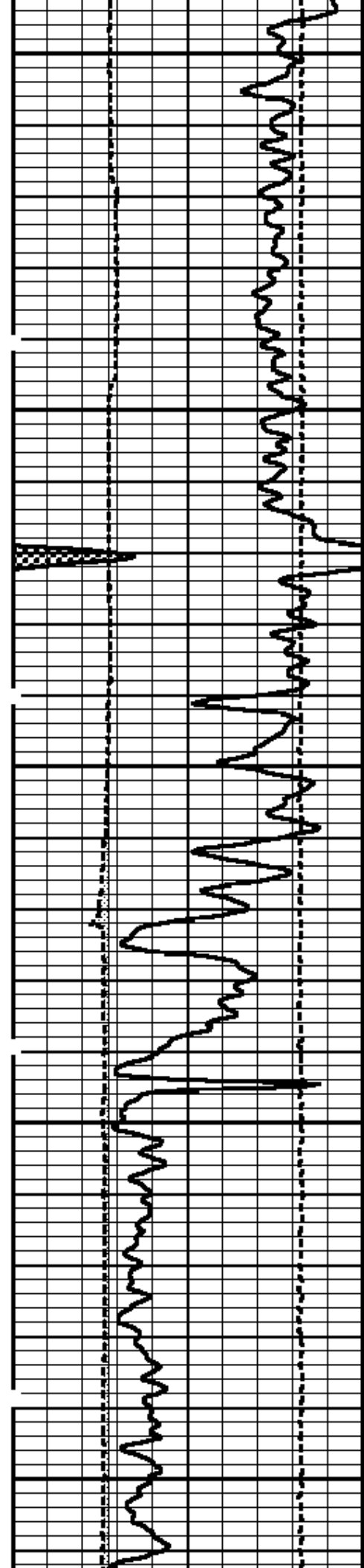




2400

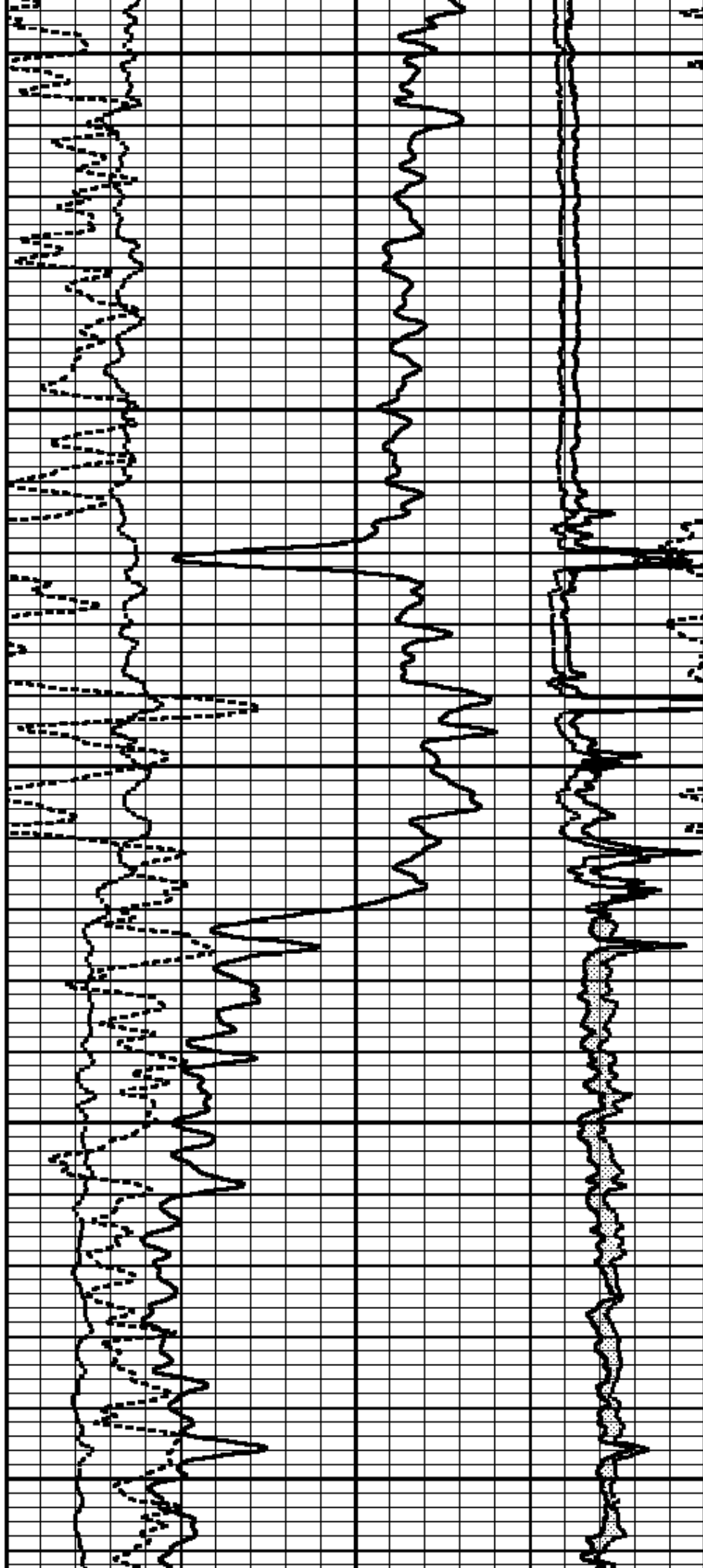
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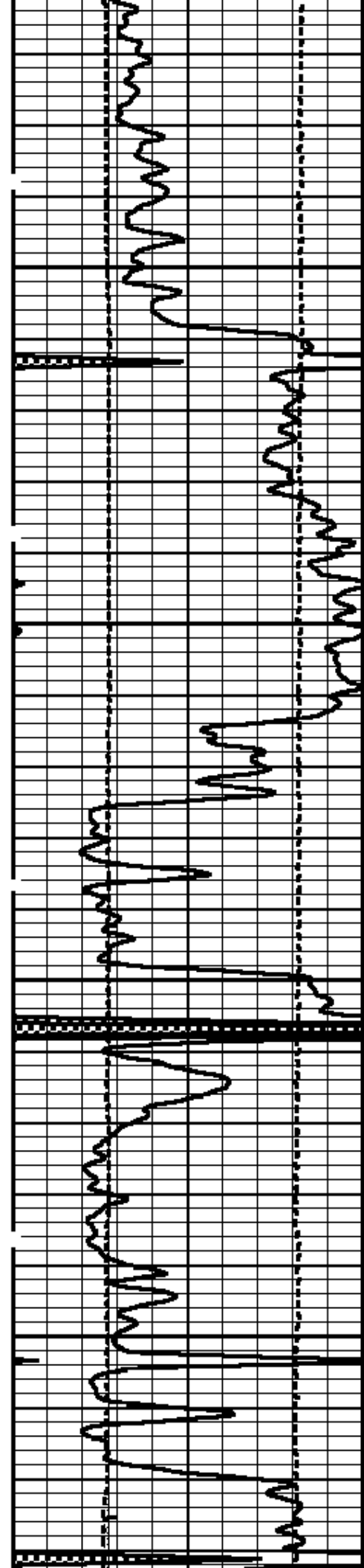




2600

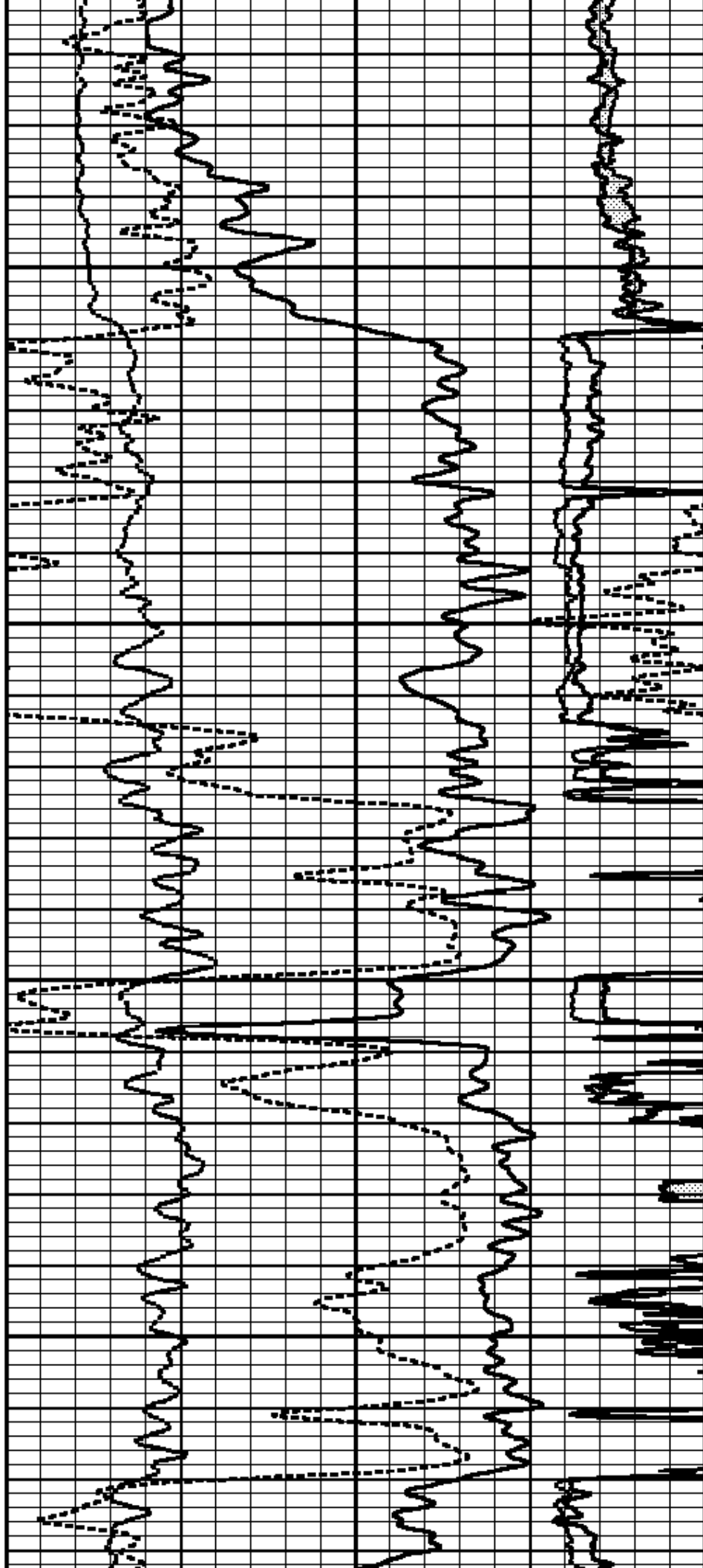
2700

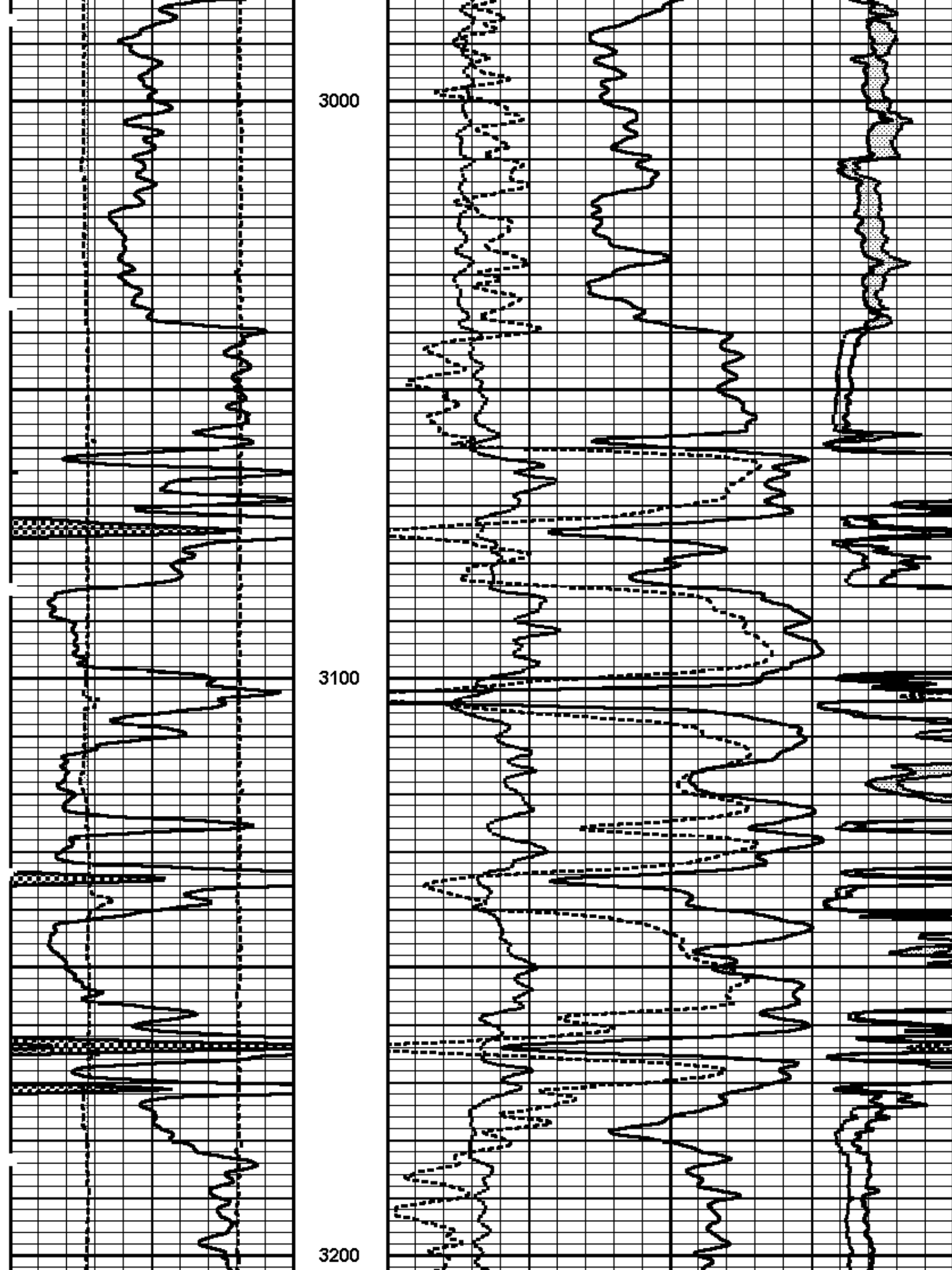


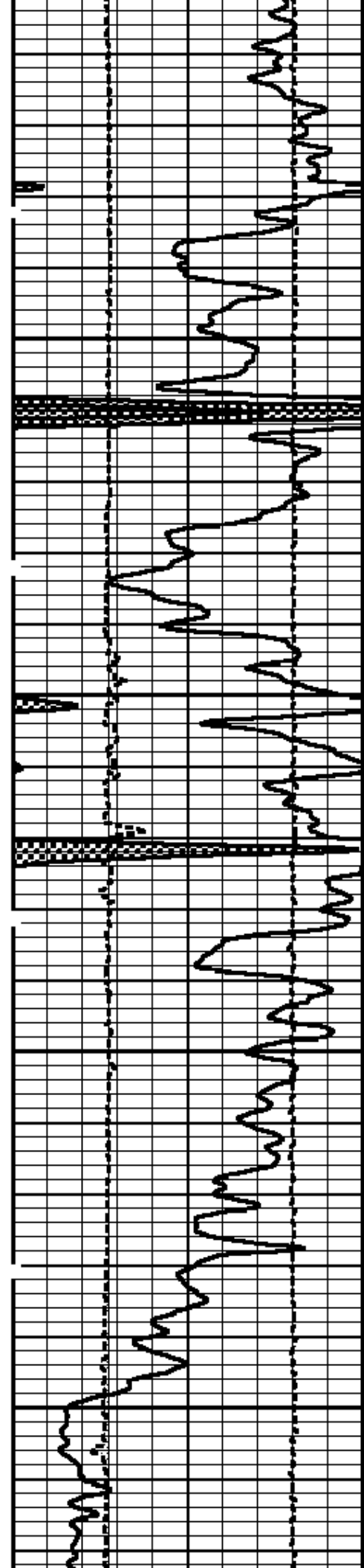


2800

2900

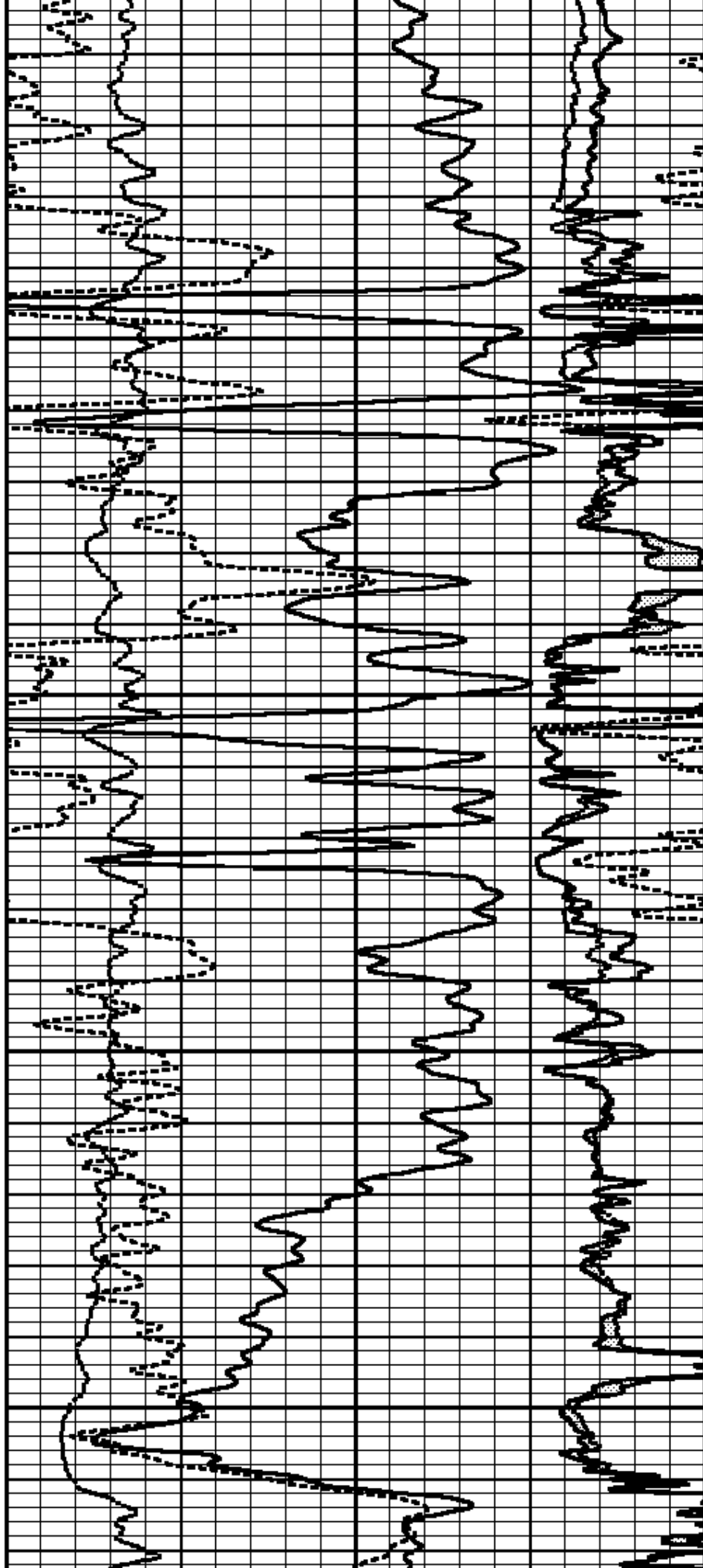


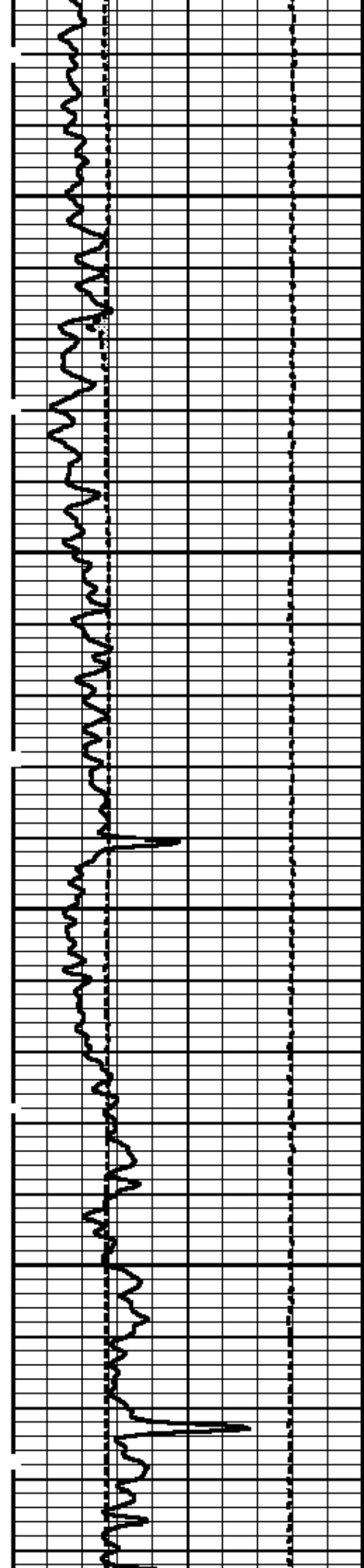




3300

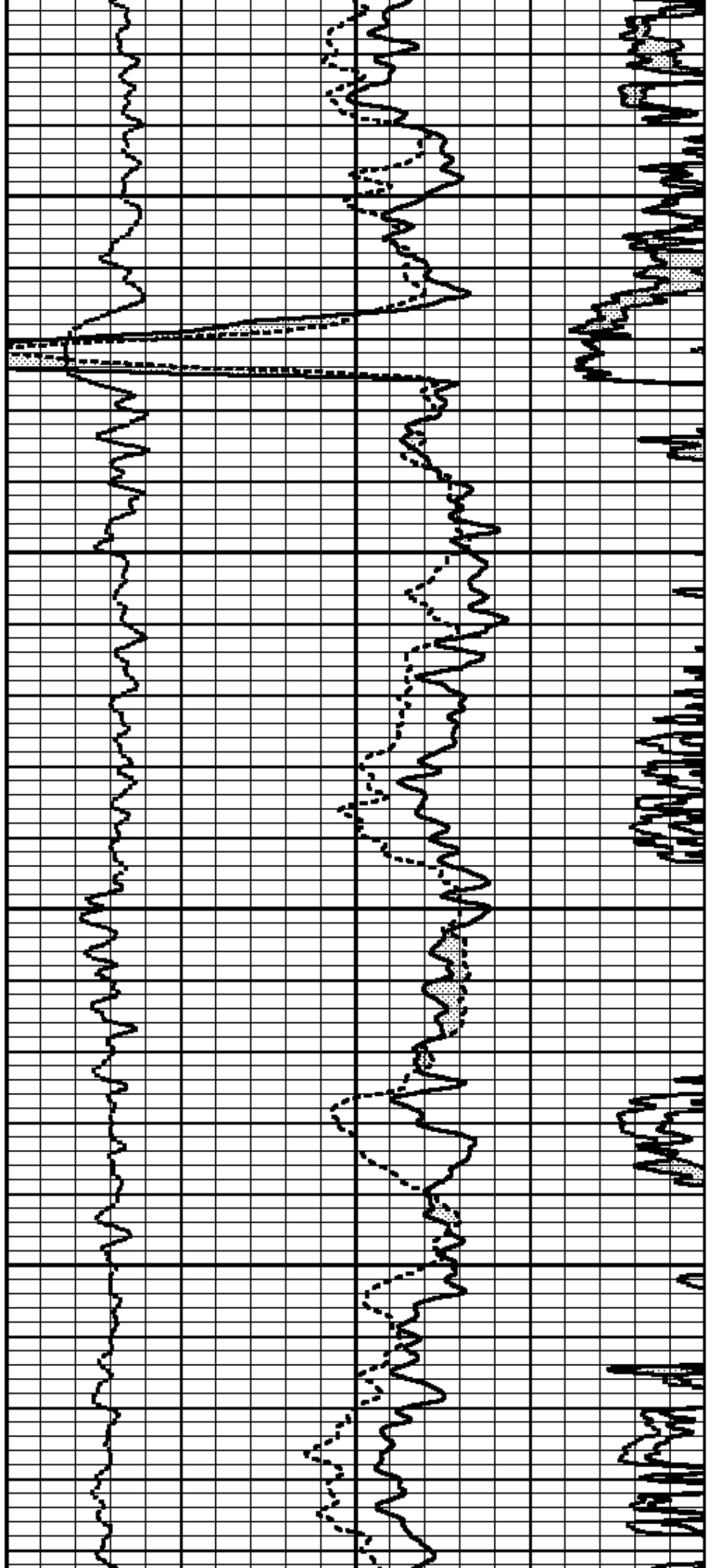
3400

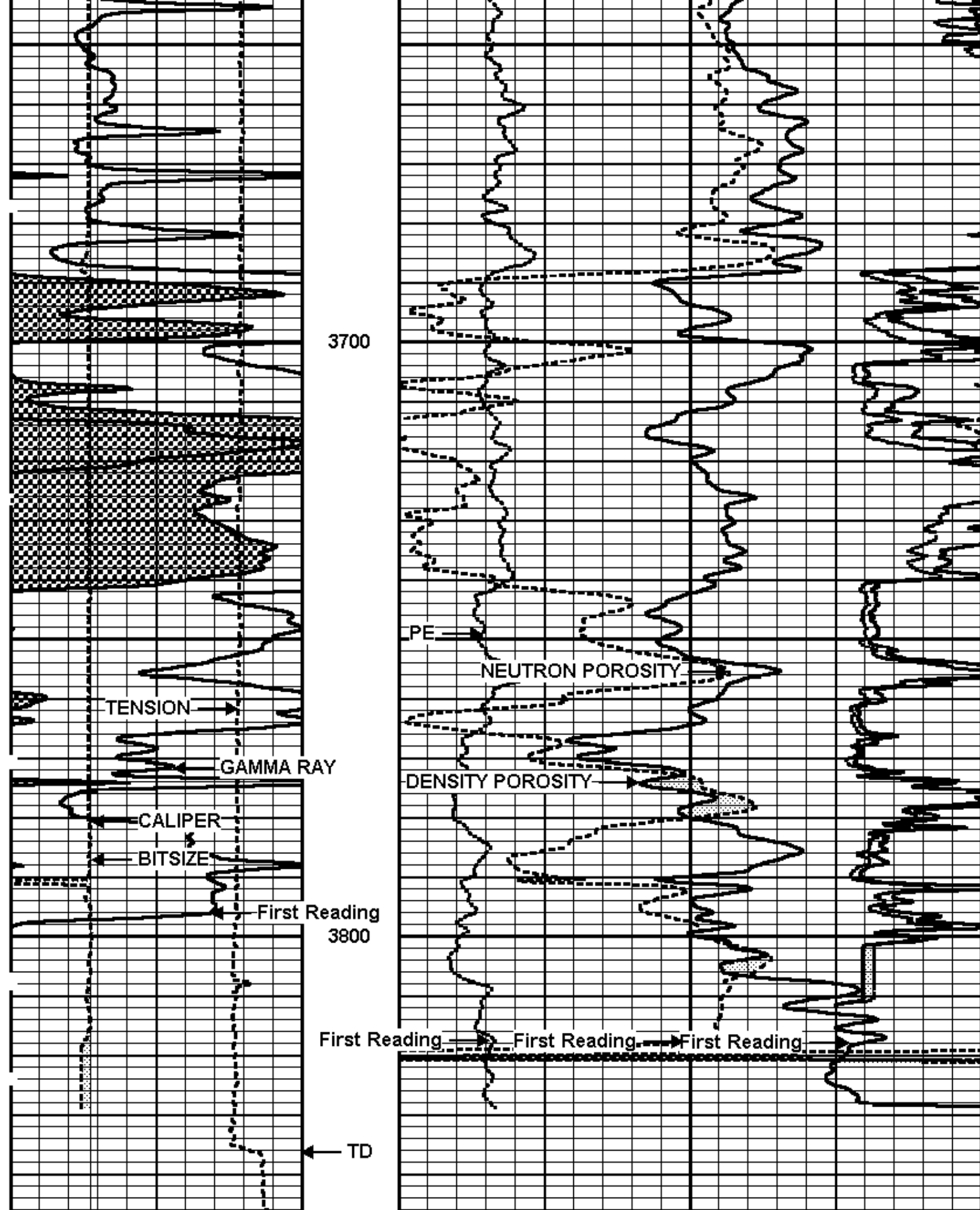




3500

3600





0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	BITSIZE (in)	16

30	DENSITY POROSITY (pu)	-10
30	NEUTRON POROSITY (pu)	-10
0	PE	10
		INV

TENSION
 5000 (lb) 0

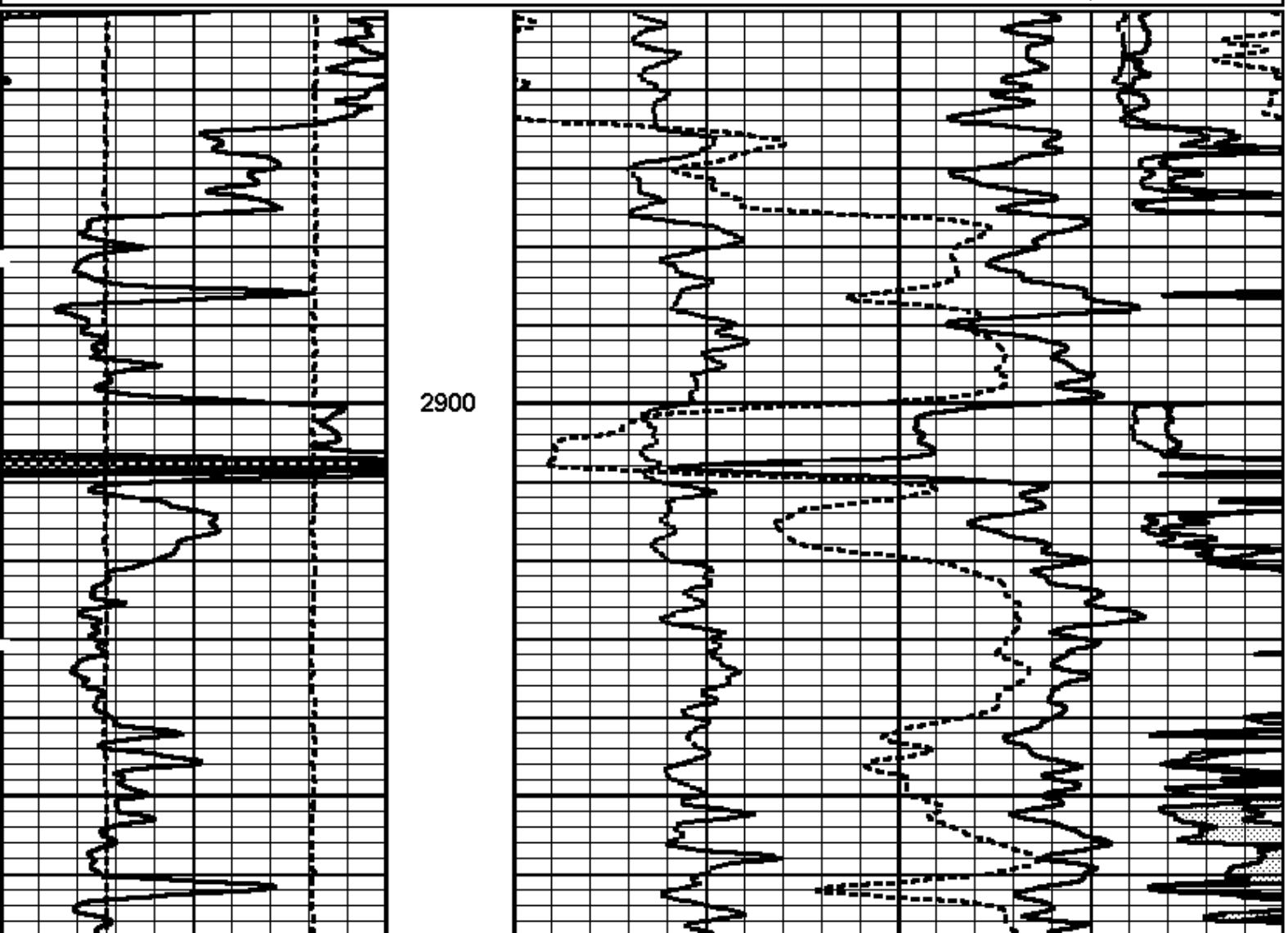
0 (Ohm-m) 20
 NORM
 0 (Ohm-m) 20

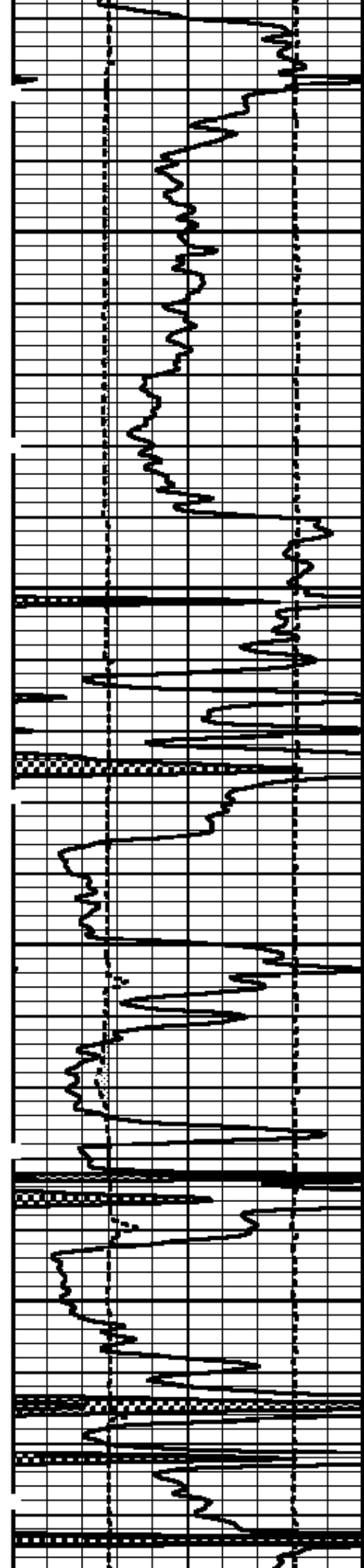


Repeat Pass

Database File: voegele_1_28.db
 Dataset Pathname: pass8
 Presentation Format: alimed
 Dataset Creation: Wed Jun 29 12:41:22 2011 by Log Sondex V7.03
 Charted by: Depth in Feet scaled 1:240

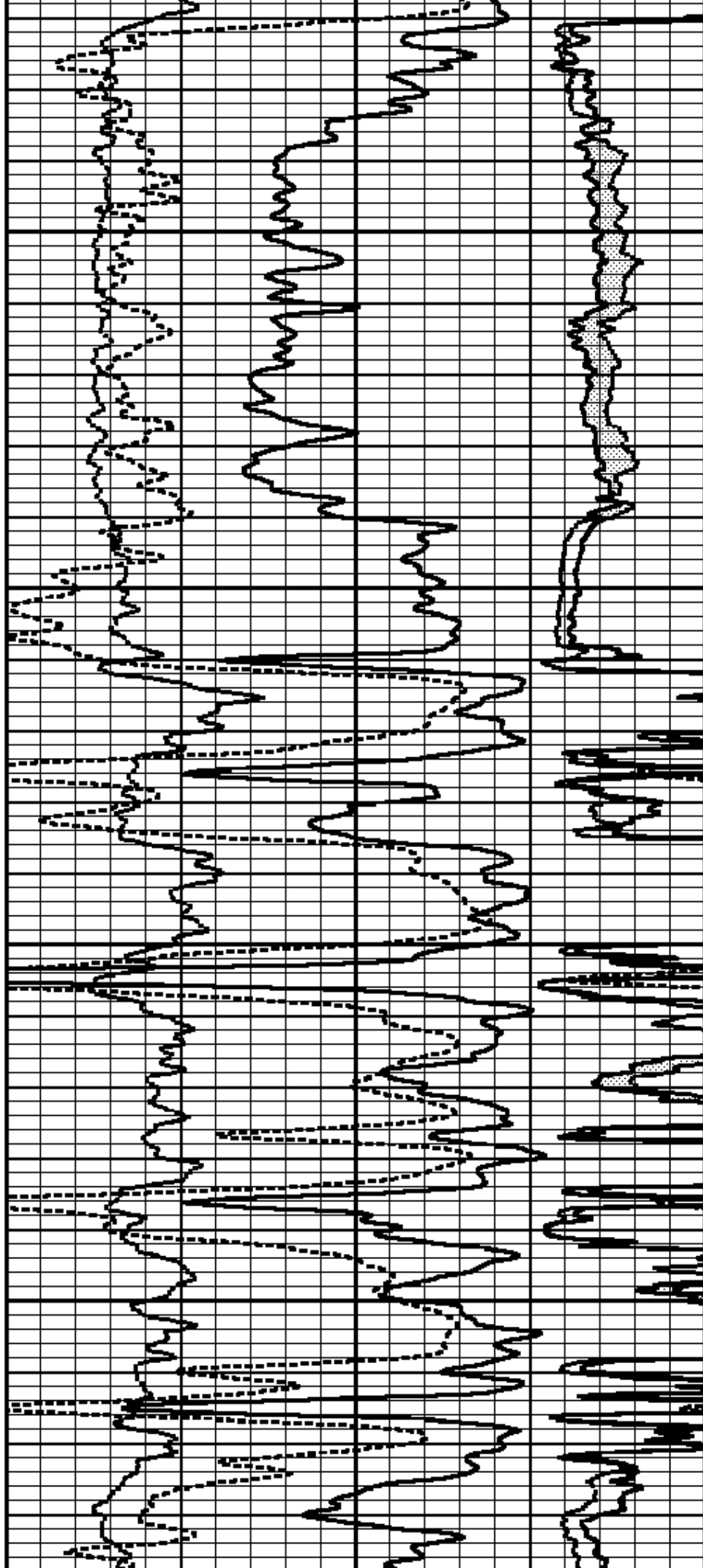
0	GAMMA RAY (GAPI)	150	30	DENSITY POROSITY (pu)	-10
6	CALIPER (in)	16	30	NEUTRON POROSITY (pu)	-10
6	BITSIZE (in)	16	0	PE	10
	TENSION			INV	
	5000 (lb)	0		0 (Ohm-m)	20
				NORM	
				0 (Ohm-m)	20

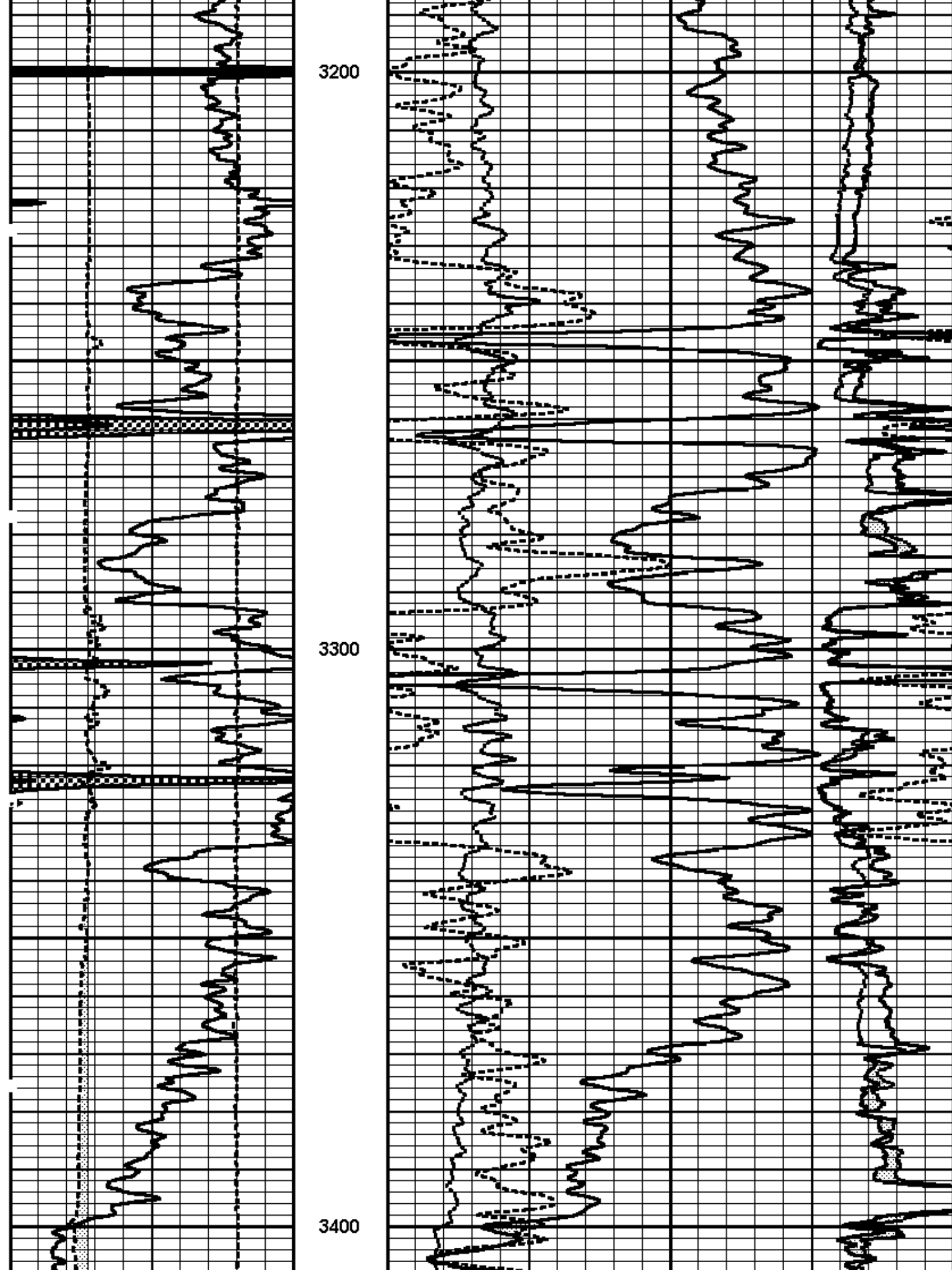


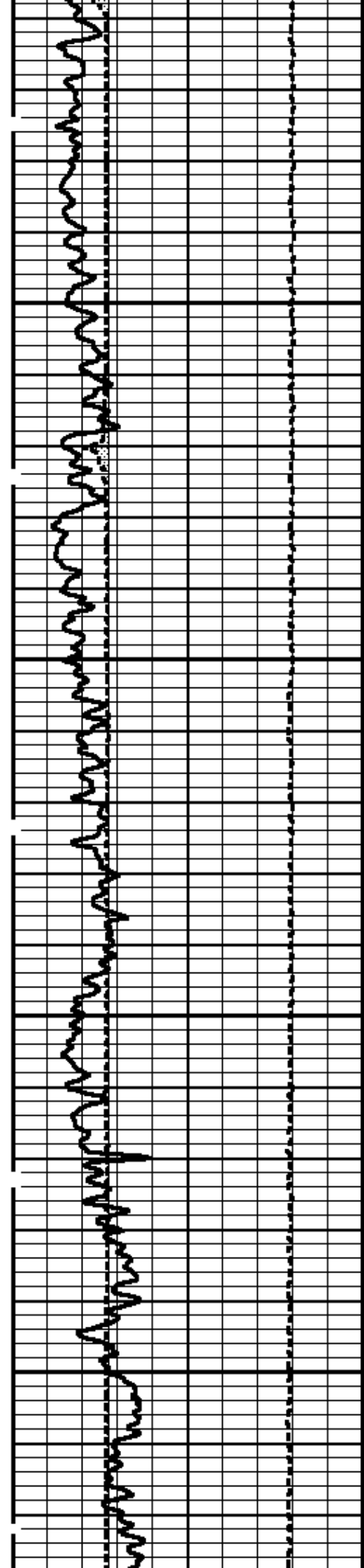


3000

3100

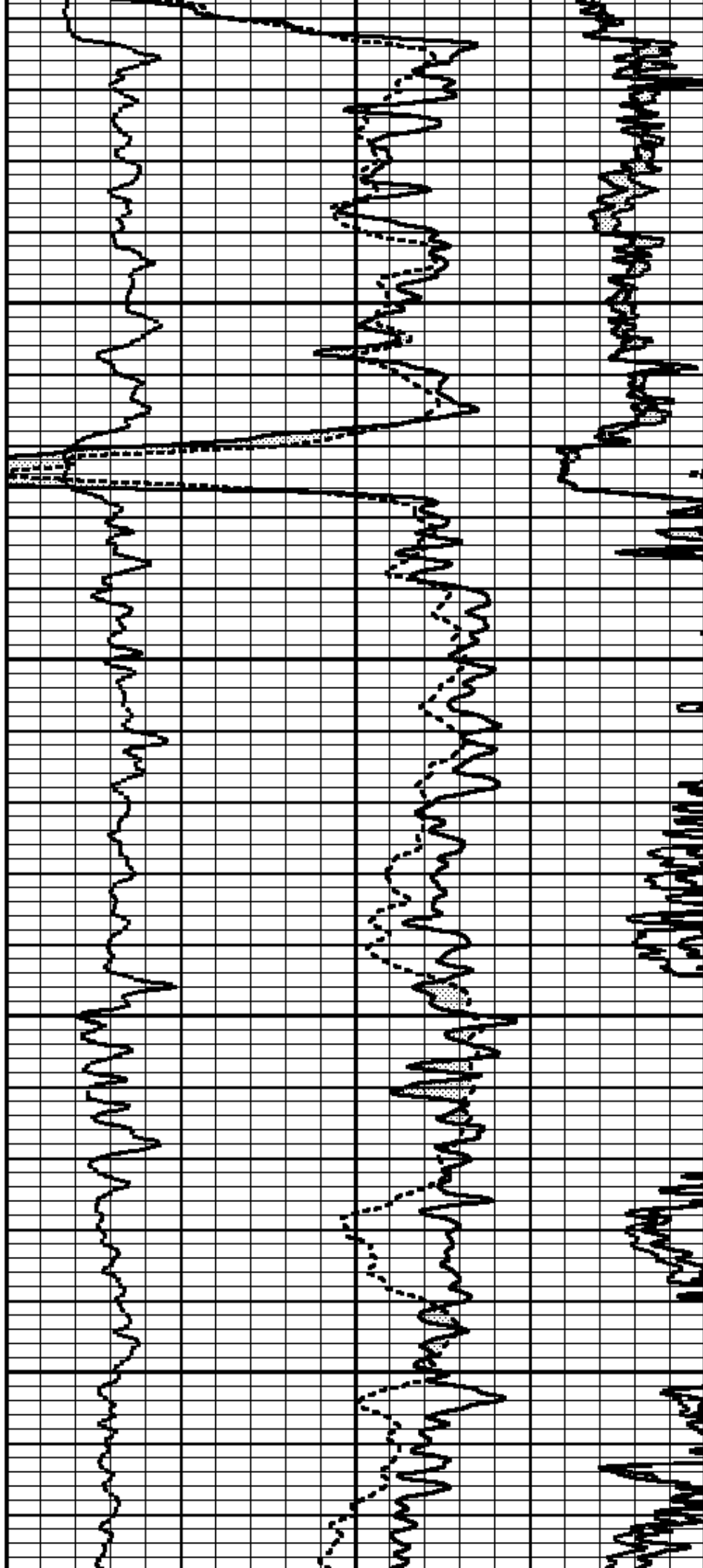


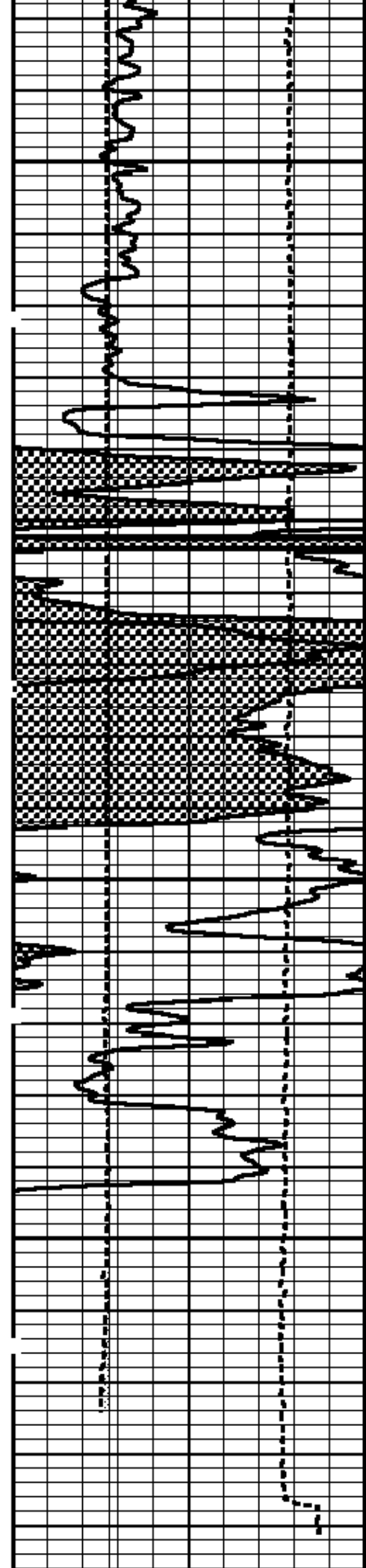




3500

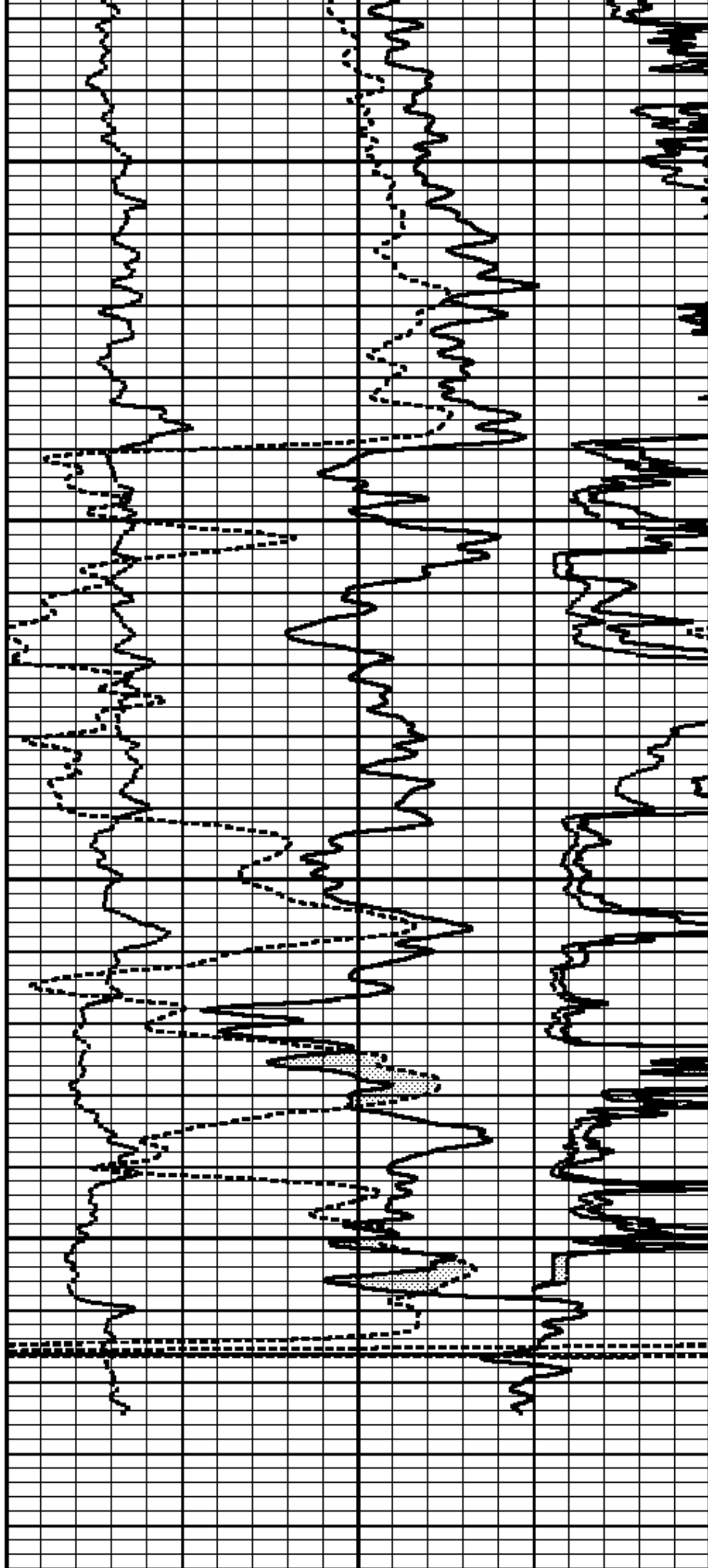
3600





3700

3800



0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	BITSIZE (in)	16
TENSION		
5000 (lb)		0

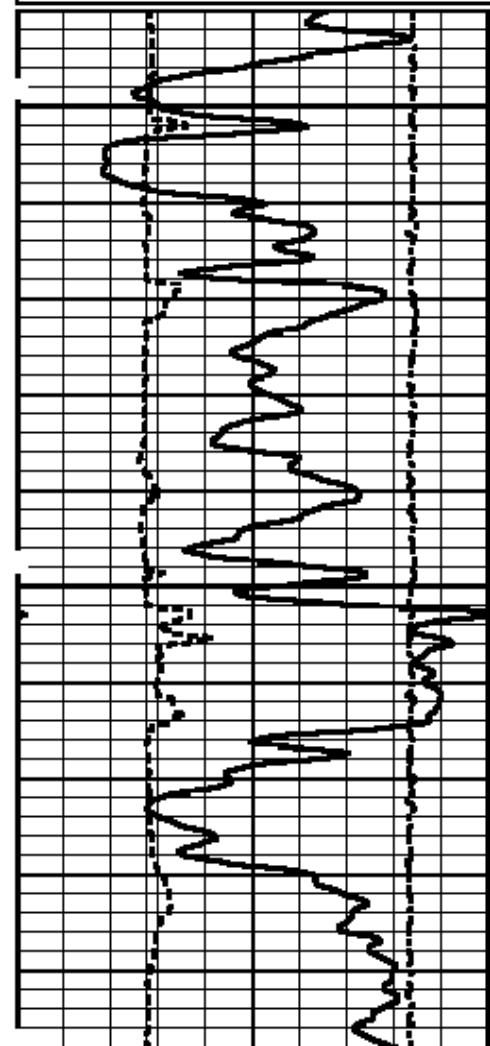
30	DENSITY POROSITY (pu)	-10
30	NEUTRON POROSITY (pu)	-10
0	PE	10
INV		0 (Ohm-m) 20
NORM		0 (Ohm-m) 20



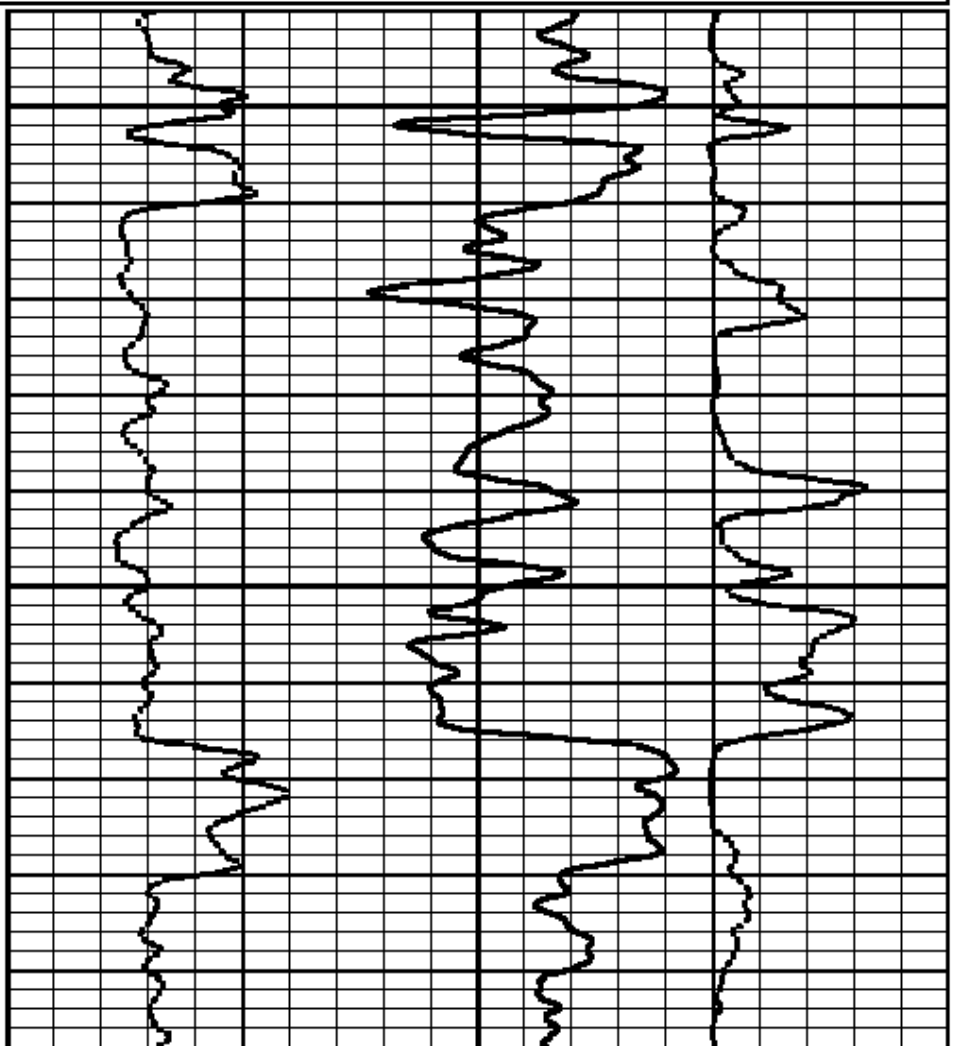
Repeat Pass

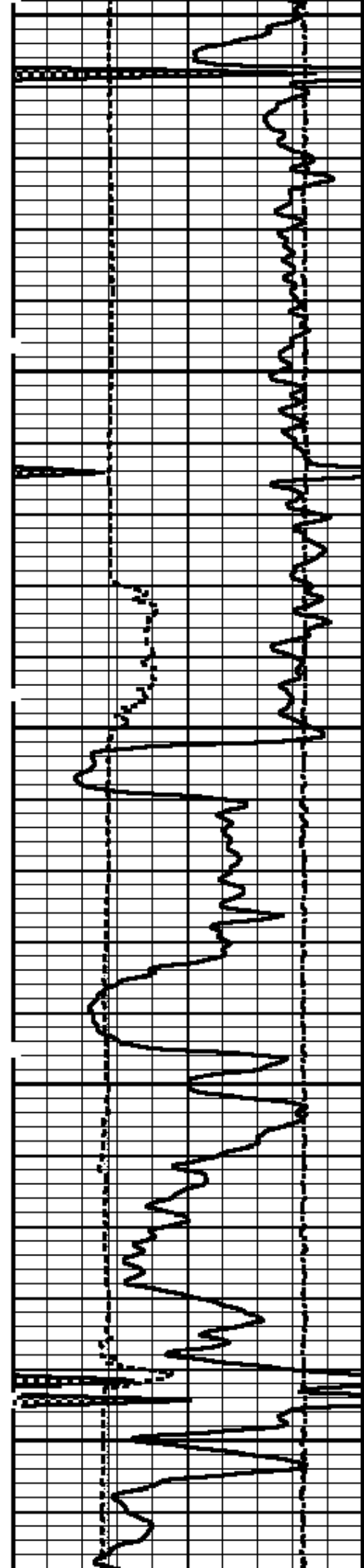
Database File: voegele_1_28.db
 Dataset Pathname: main
 Presentation Format: abulk
 Dataset Creation: Wed Jun 29 14:43:03 2011 by Calc Sondex V7.03
 Charted by: Depth in Feet scaled 1:240

6	BITSIZE (in)	16	0	PE	10	-0.25	DRHO (g/cc)	0.25
0	GAMMA RAY (GAPI)	150	2	RHOB (g/cc)				3
6	CALIPER (in)	16						
TENSION								
5000 (lb)		0						



2000

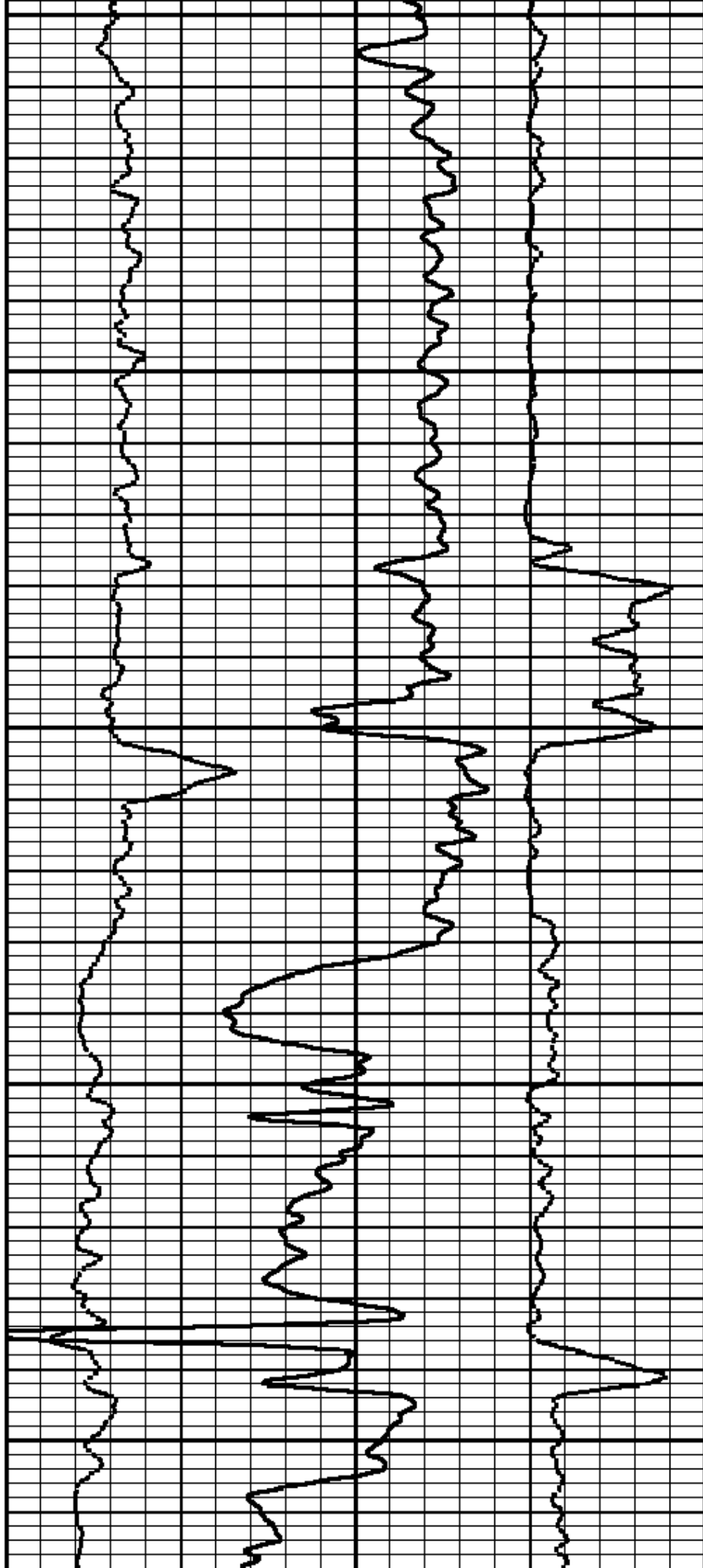


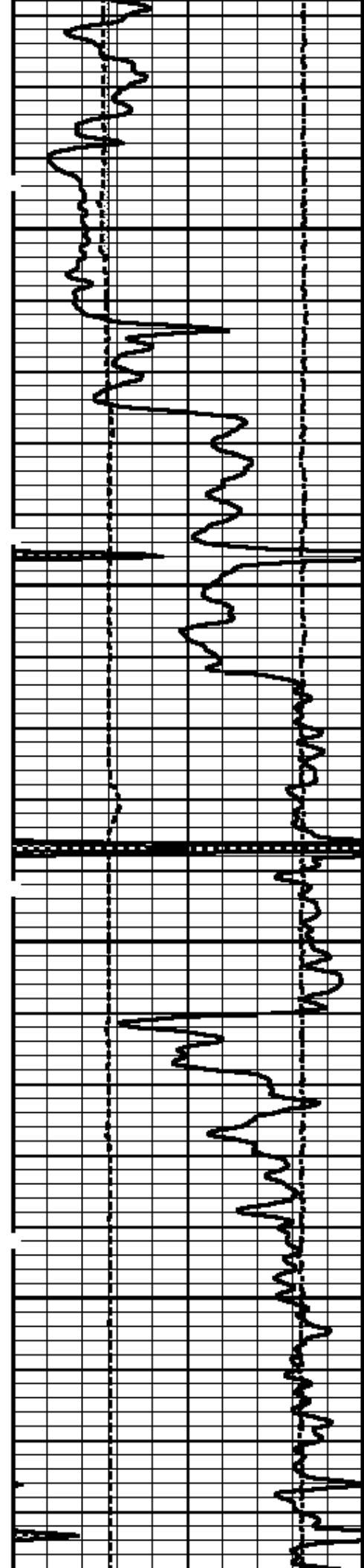


2100

2200

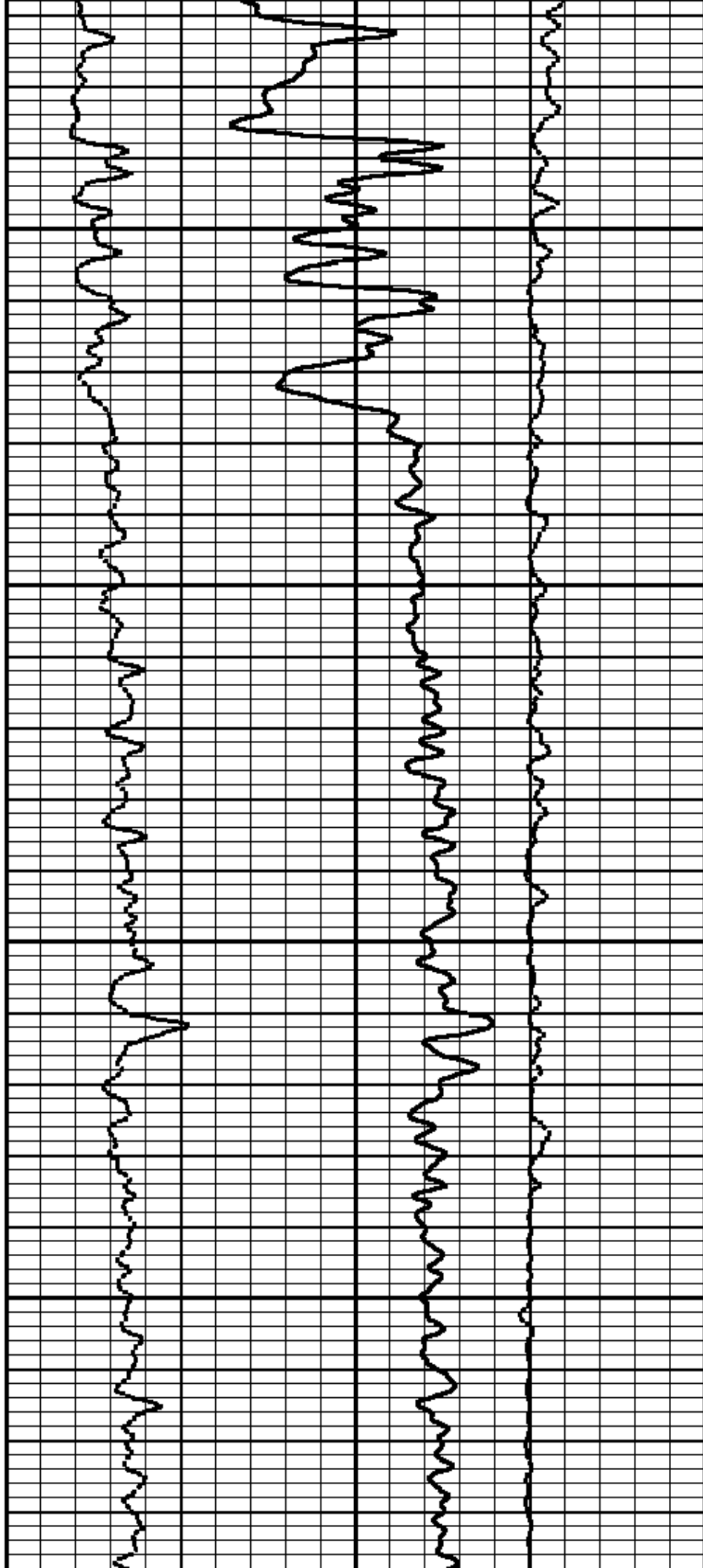
2300

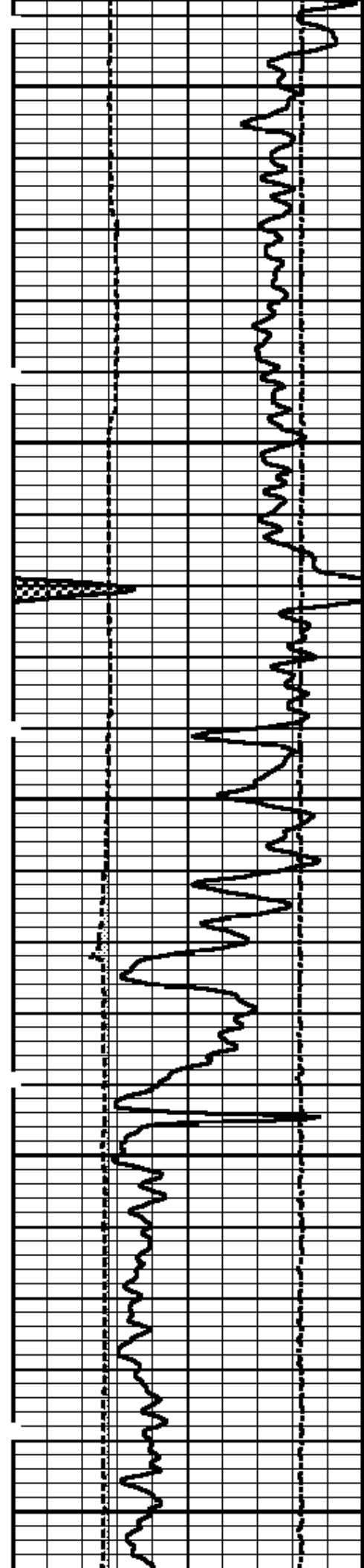




2400

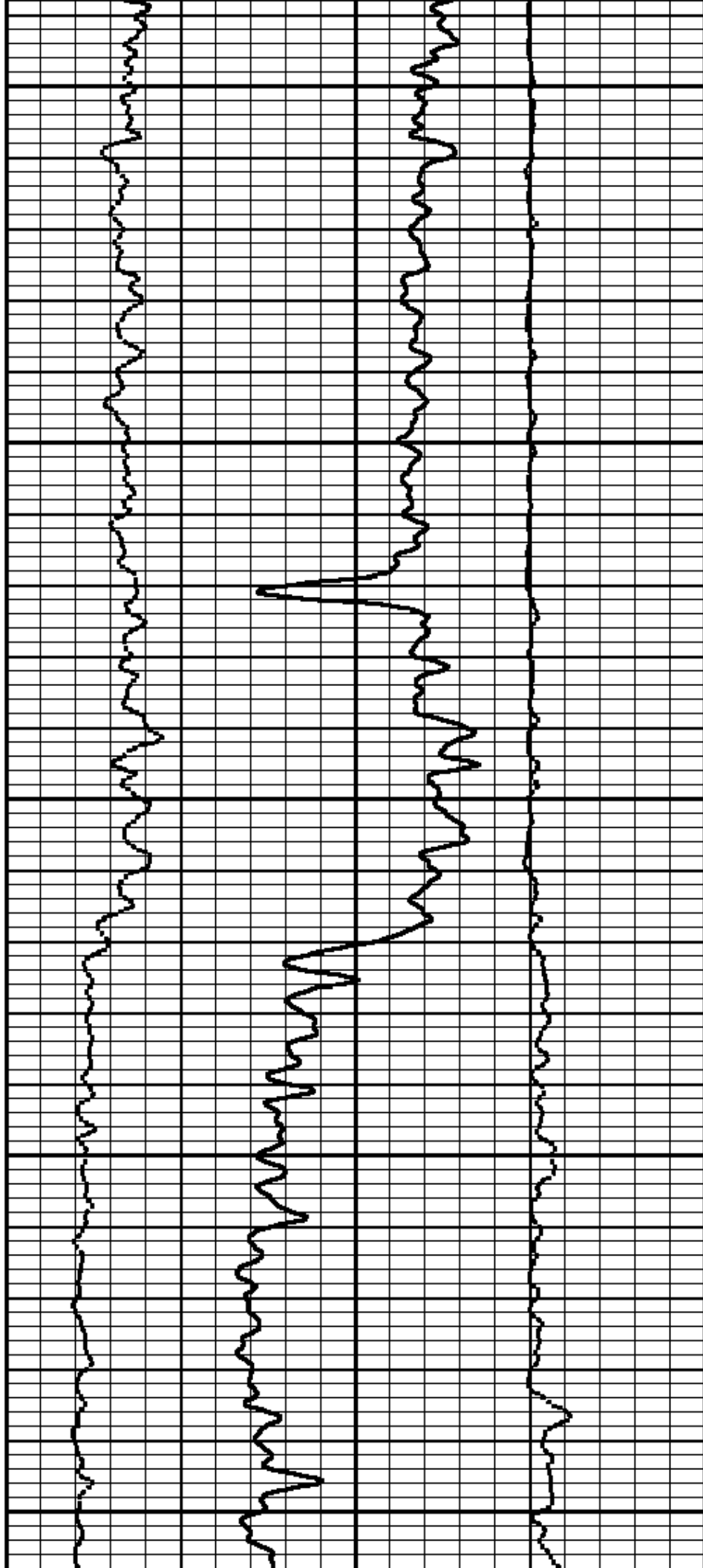
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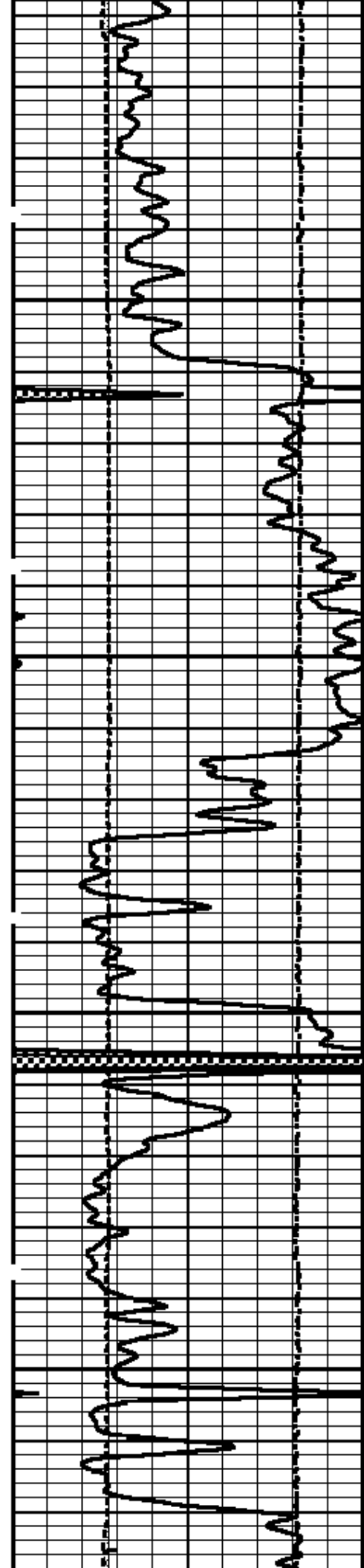




2600

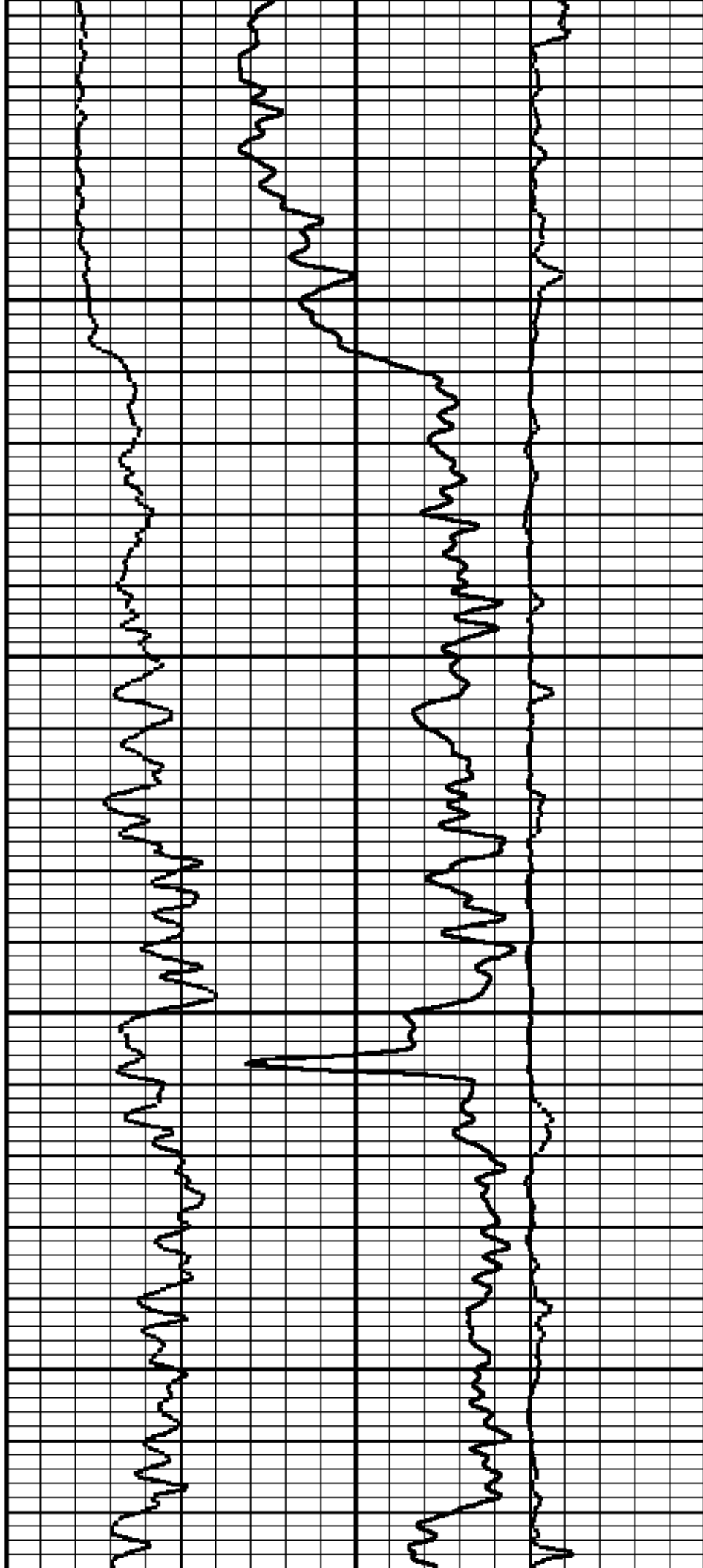
2700

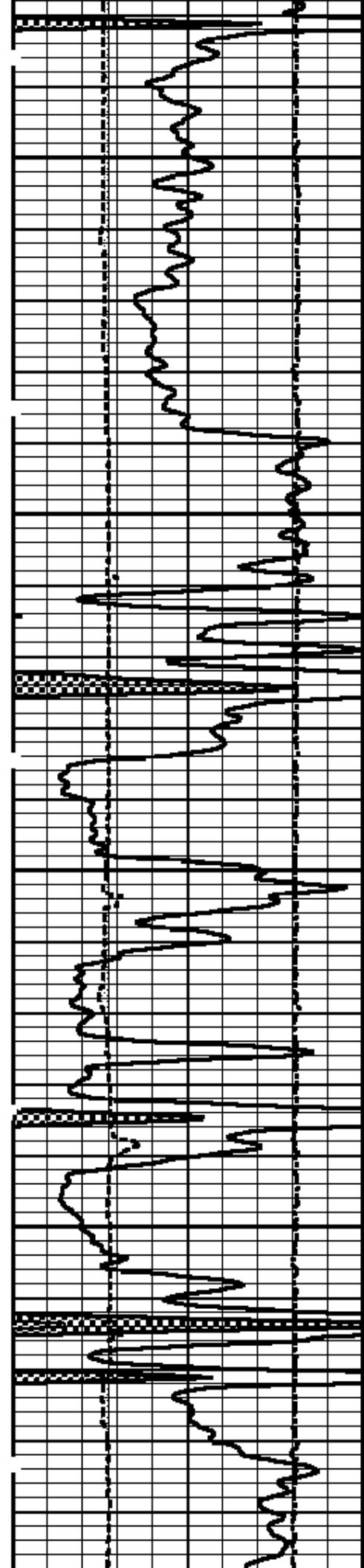




2800

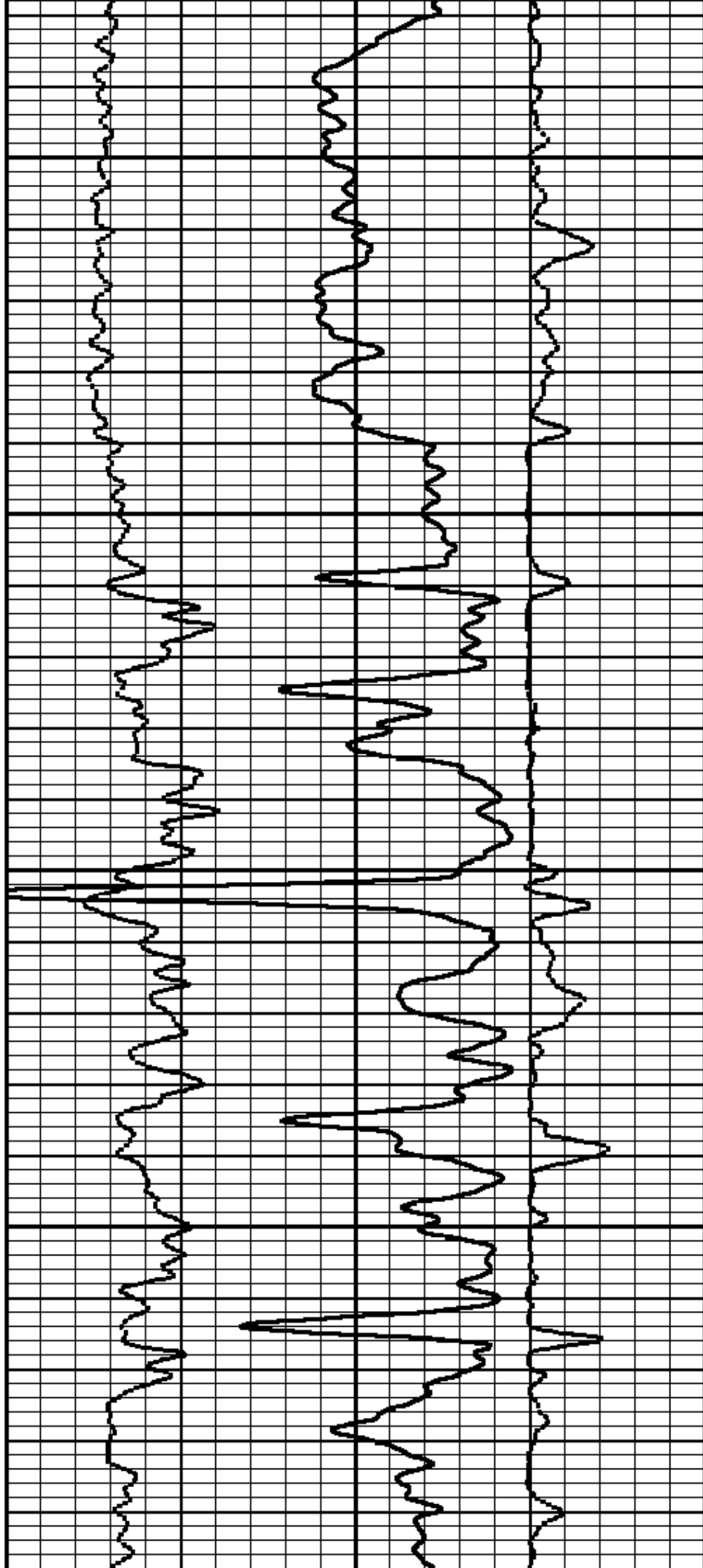
2900

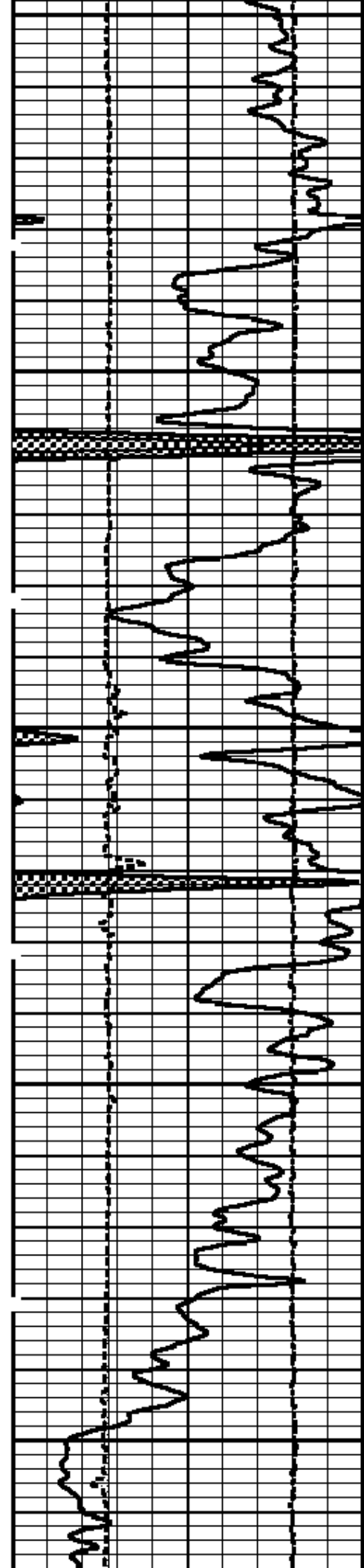




3000

3100

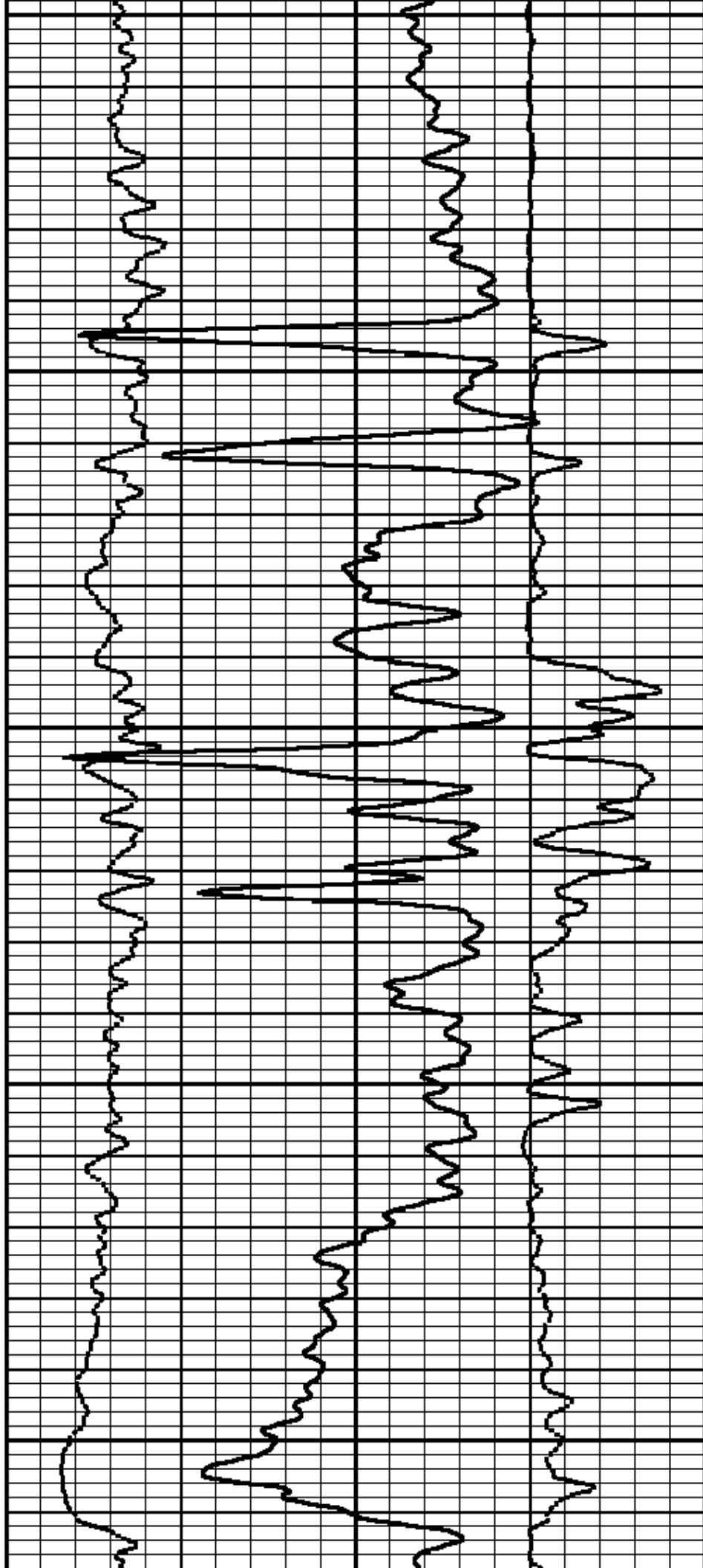


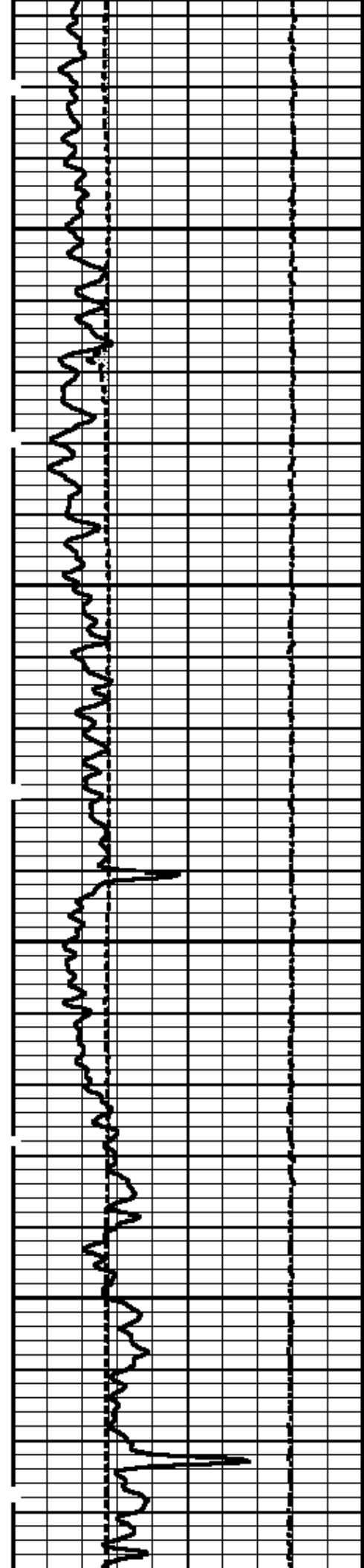


3200

3300

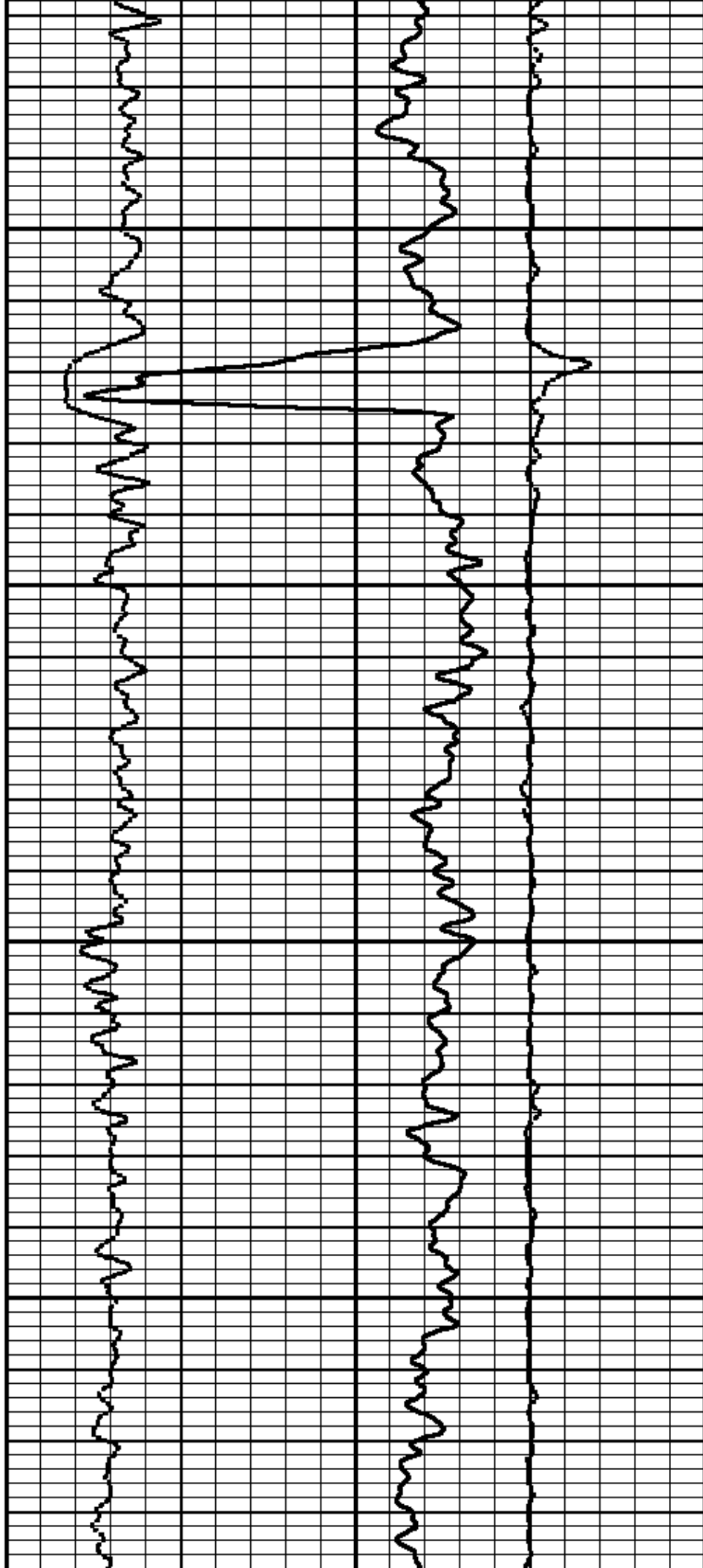
3400

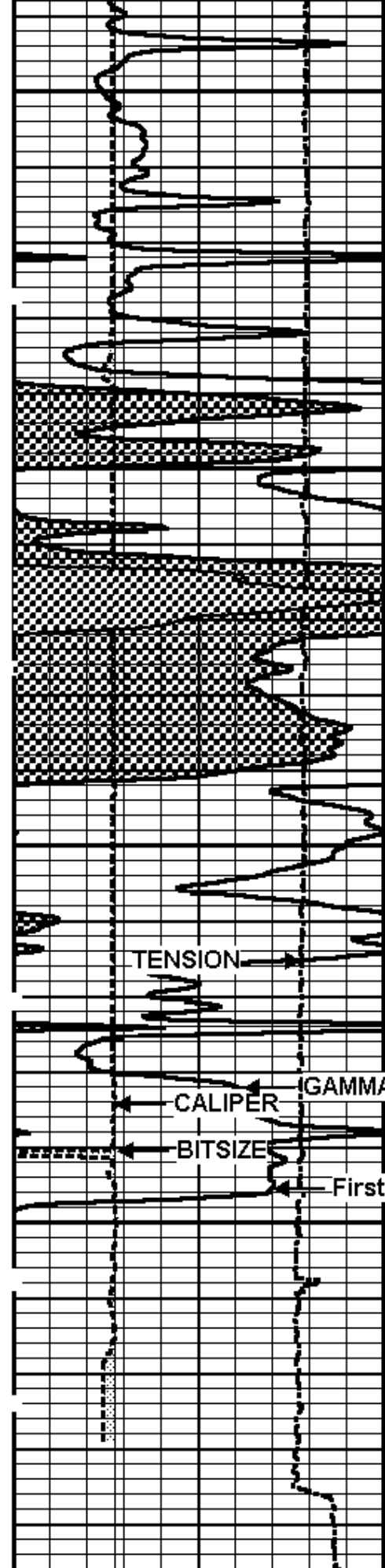




3500

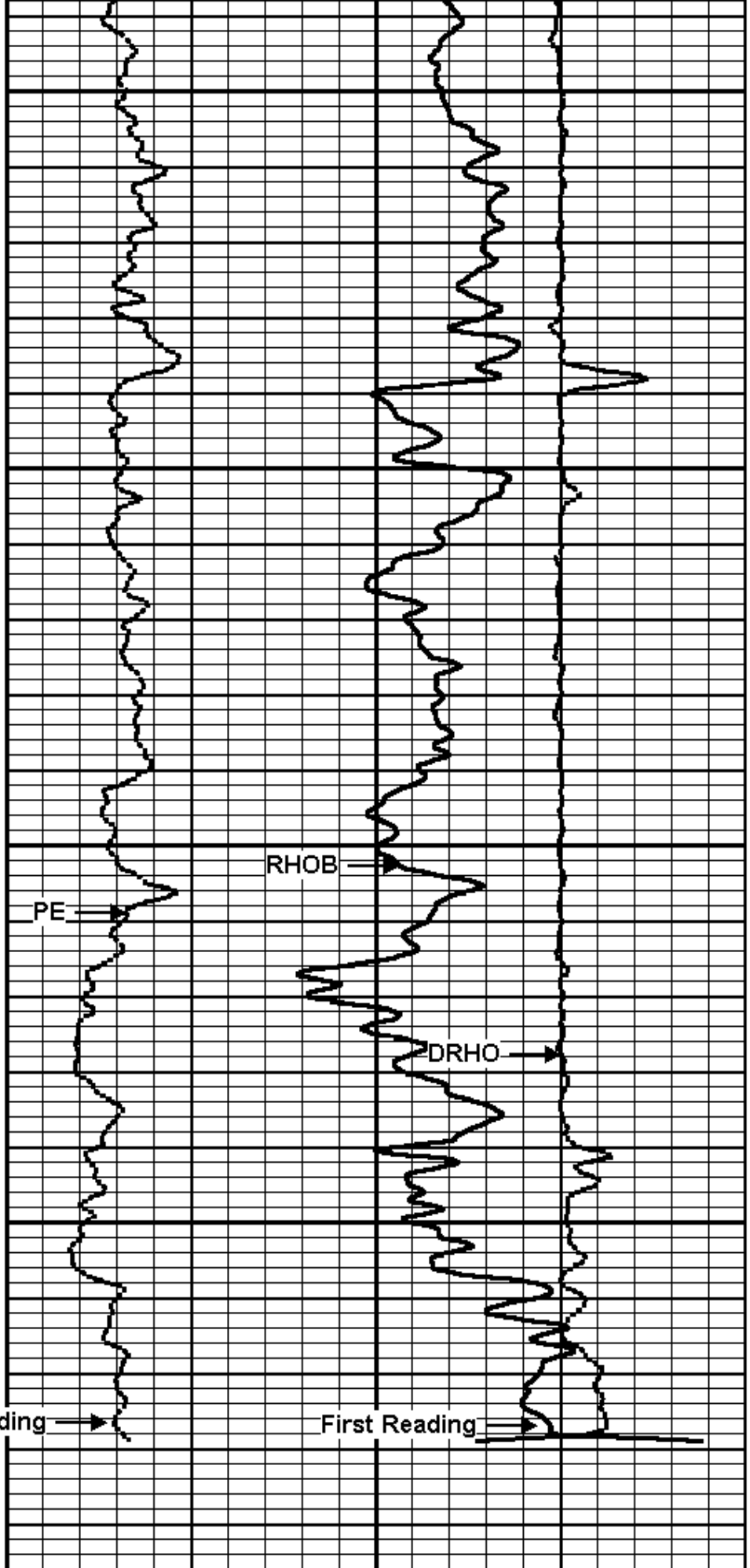
3600





3700

3800



6	BITSIZE (in)	16
0	GAMMA RAY (GAPI)	150

0	PE	10	-0.25	DRHO (g/cc)	0.25
2	RHOB (g/cc)		3		

6	CALIPER (in)	16

	TENSION	
	5000 (lb)	0



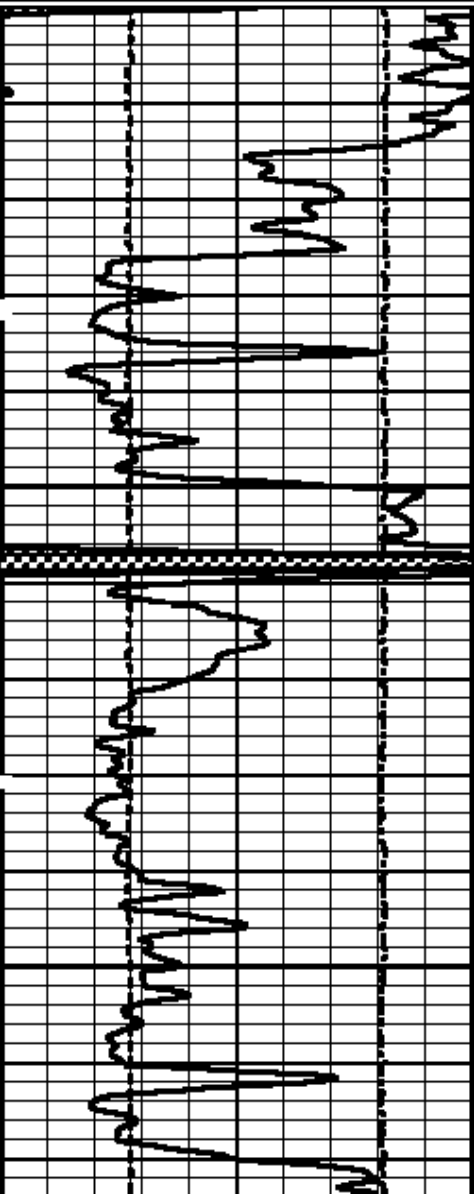
Repeat Pass

Database File: voegele_1_28.db
 Dataset Pathname: pass8
 Presentation Format: abulk
 Dataset Creation: Wed Jun 29 12:41:22 2011 by Log Sondex V7.03
 Charted by: Depth in Feet scaled 1:240

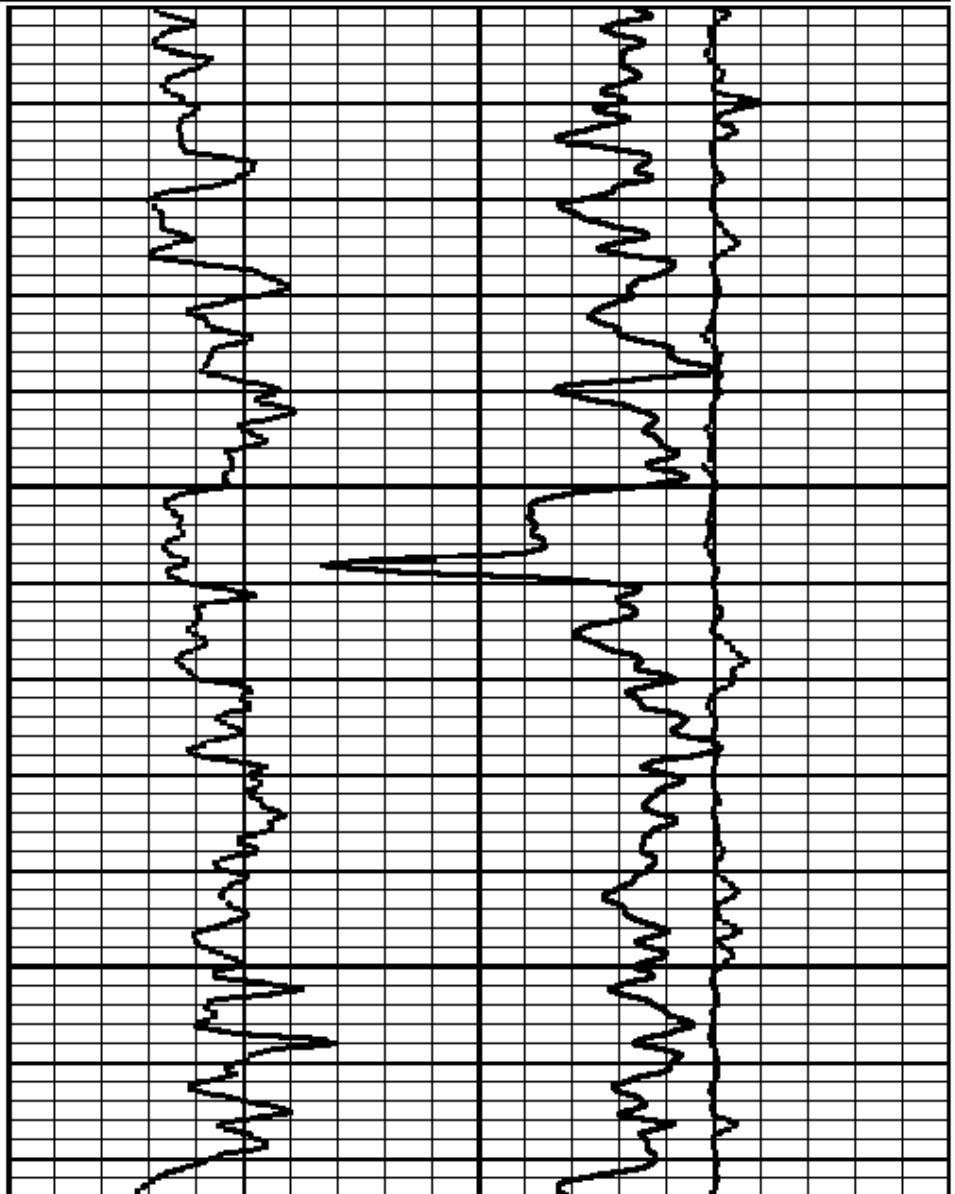
6	BITSIZE (in)	16
0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16

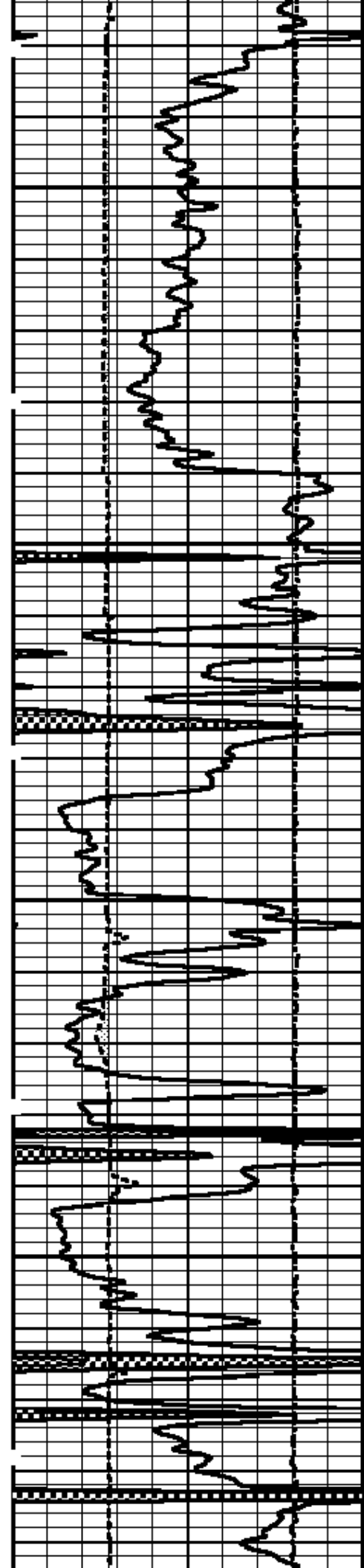
	TENSION	
	5000 (lb)	0

0	PE	10	-0.25	DRHO (g/cc)	0.25
2	RHOB (g/cc)				3



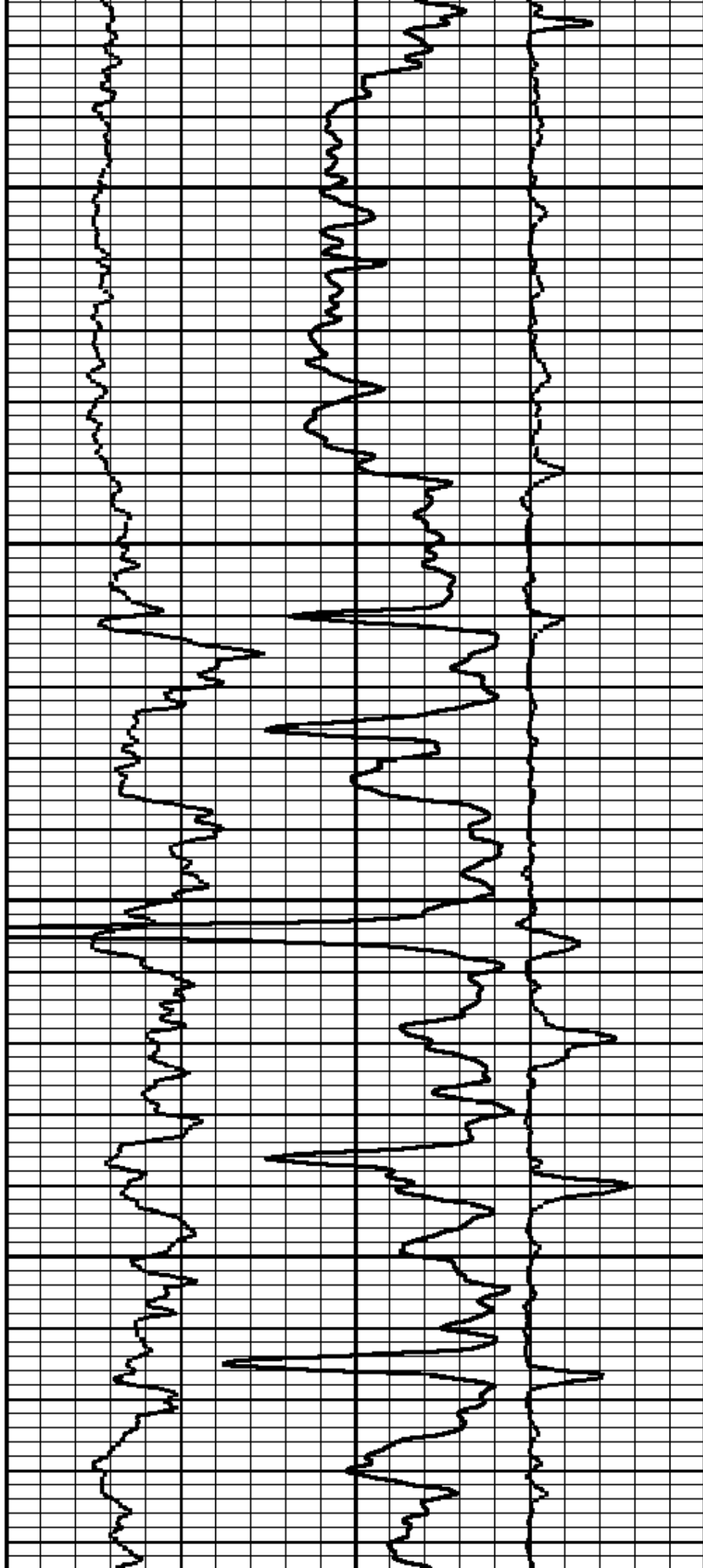
2900

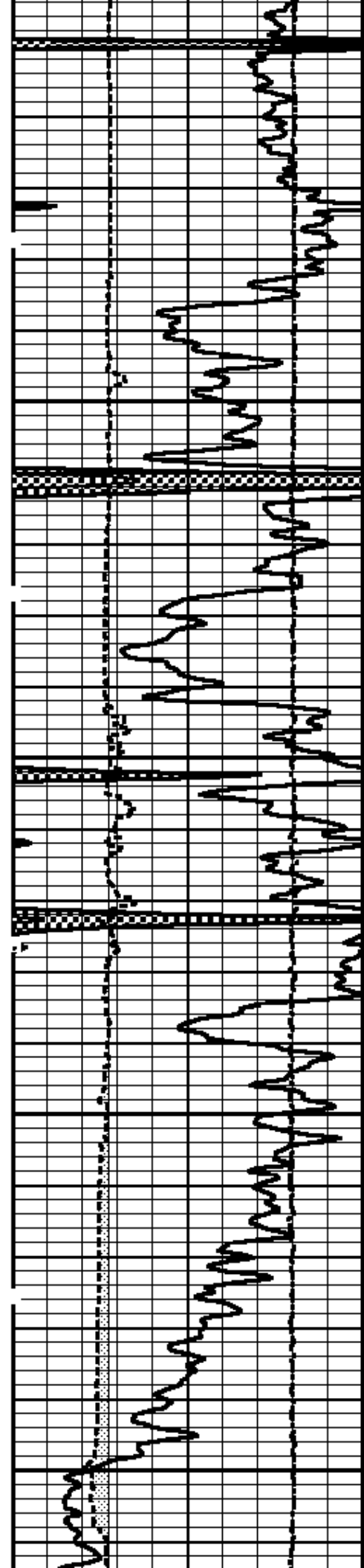




3000

3100

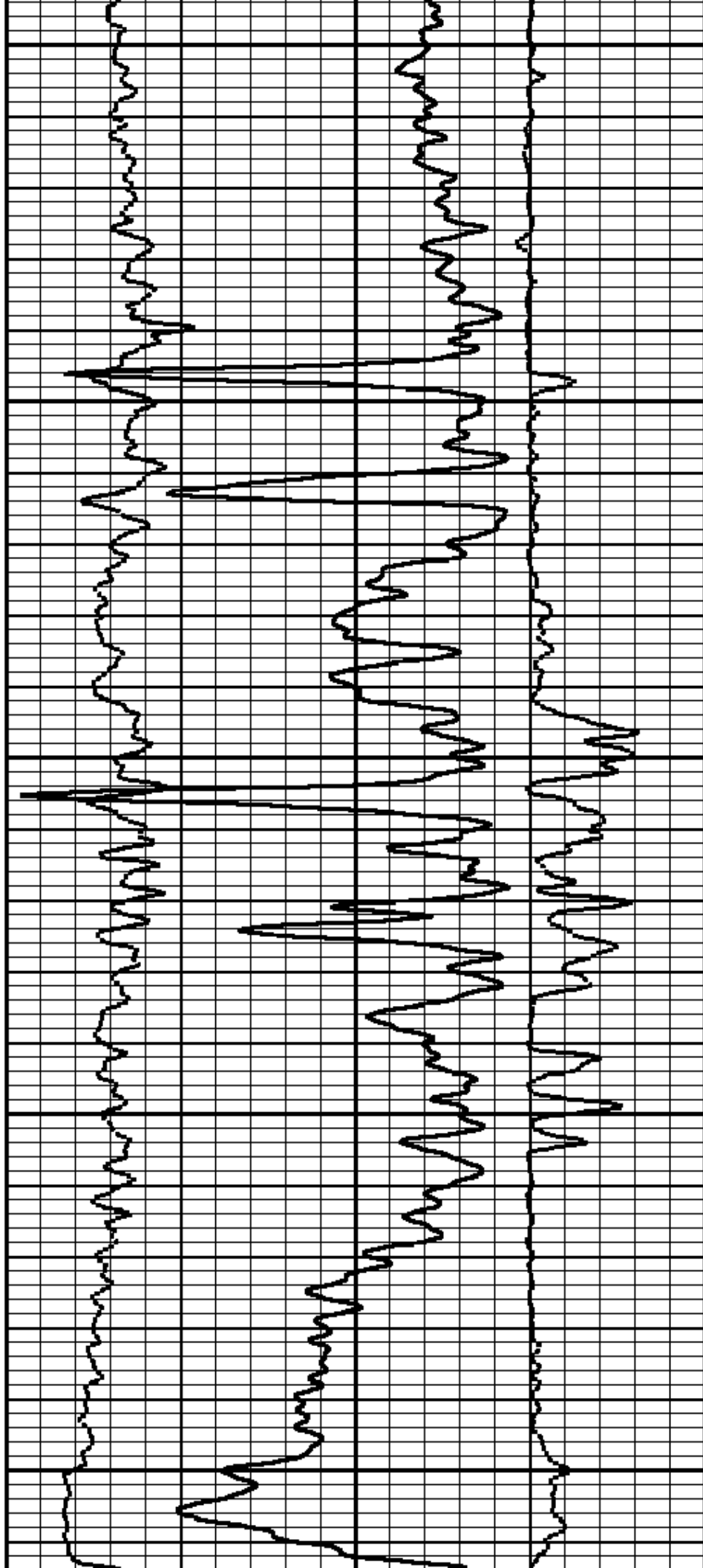


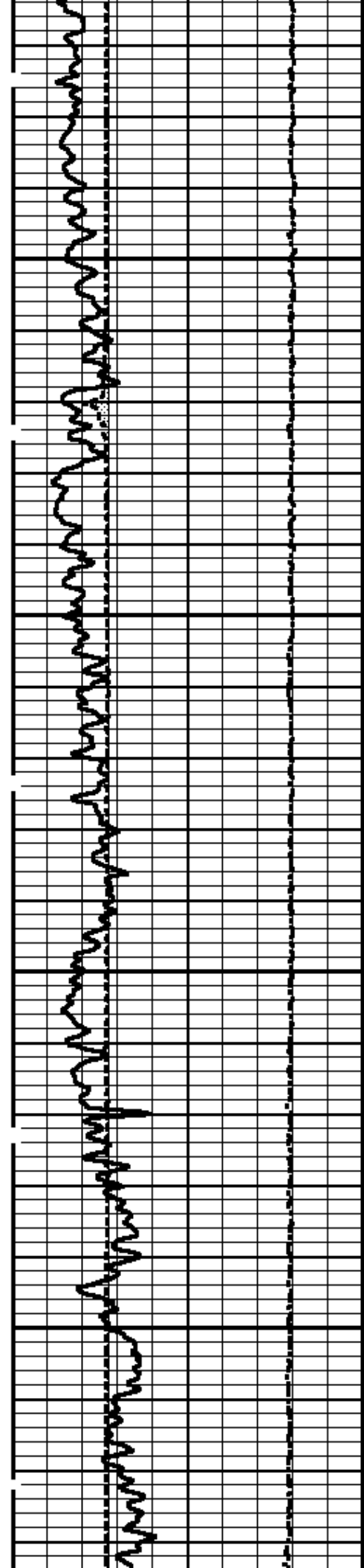


3200

3300

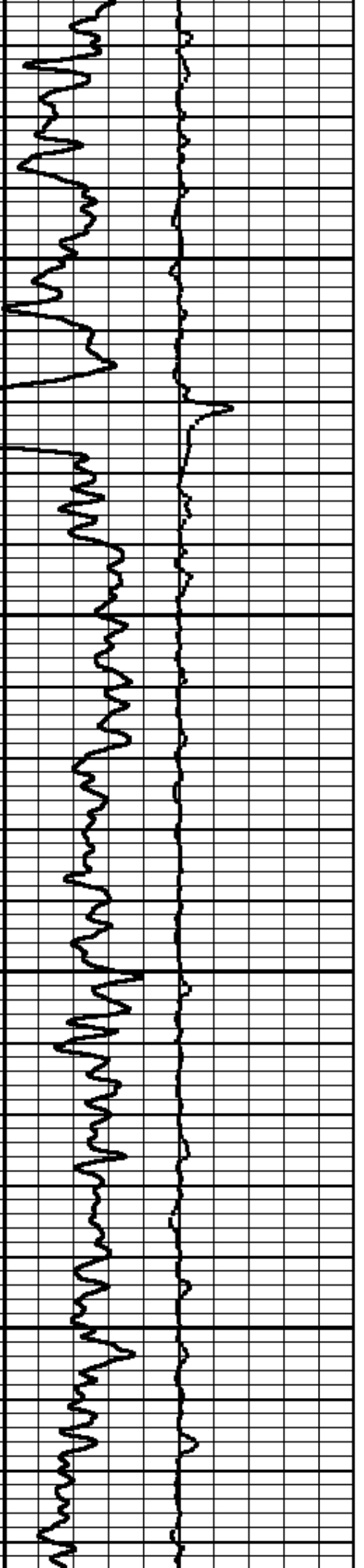
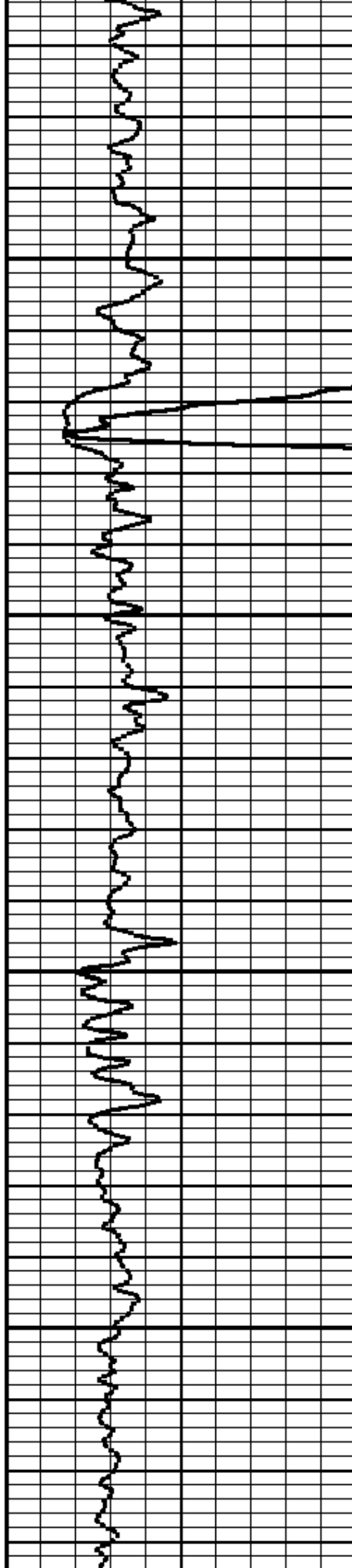
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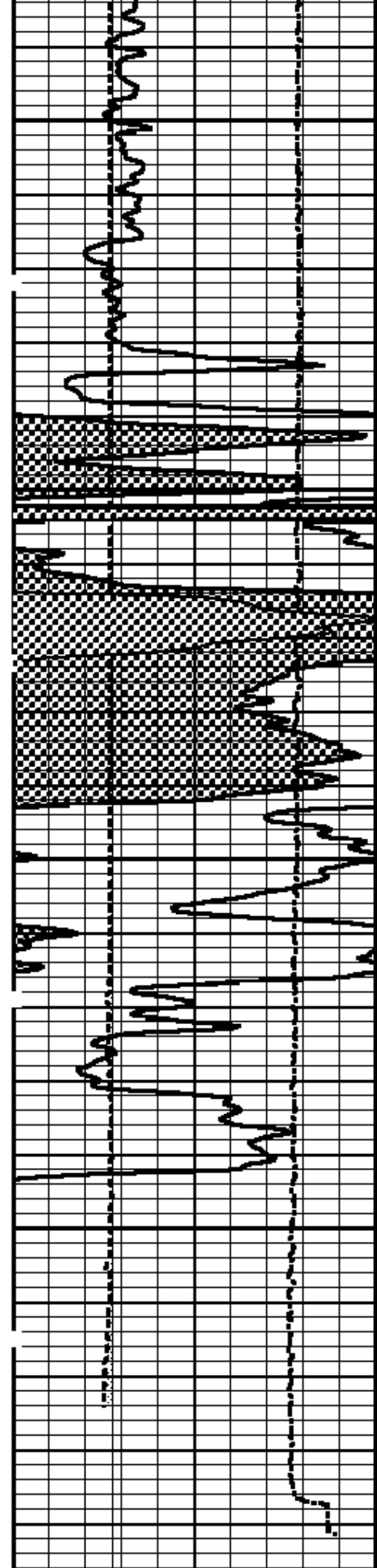




3500

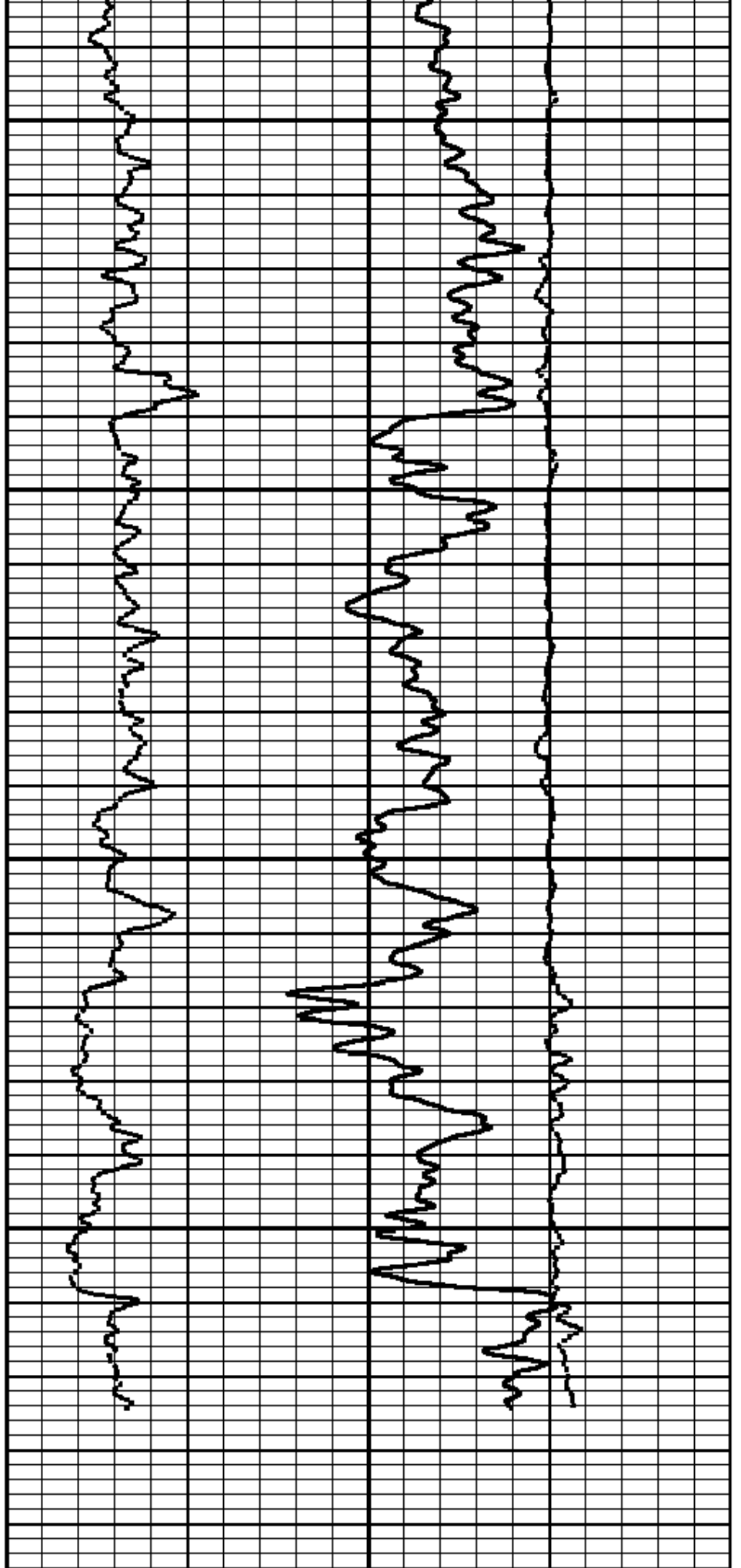
3600





3700

3800



6 BITSIZE (in) 16
0 GAMMA RAY (GAPI) 150

0 PE 10 -0.25 DRHO (g/cc) 0.25
0 RHO (g/cc) 0

R3C8	0.1	0.1	0.1	0.1	0.1	0.2
R3C Magnitude	0.8	3.5	3.5	4.9	5.4	9.5

Litho Density Tool Calibration Report

Serial Number: B10110850129B
 Tool Model: 002

Caliper Calibration Performed: Wed Jun 29 12:41:15 2011

	Diameter		Reading	
Small Ring:	6.000	in	1487.600	cps
Large Ring:	12.000	in	2155.700	cps
Gain:	0.0090			
Offset:	-5.8000			

Master Calibration Performed: Tue Jun 14 22:18:29 2011

Source Number: 50129B
 Medium: Water
 Al Block Density: 2.5993 g/cc

	Background	Al Block	Al Block + Fe	
SS1	855.4	5464.2	4506.0	cps
SS2	2352.8	33946.1	28318.8	cps
SSTOTAL	5582.1	54921.7	45443.8	cps
LITH	114.4	606.5	356.8	cps
LL	218.1	976.3	632.5	cps
LU	633.6	1265.4	1154.3	cps
LS	851.7	2241.6	1986.8	cps
LSTOTAL	1606.6	5487.5	4373.0	cps
SSHV	1531.0	1537.0	1538.3	V
LSHV	1488.3	1490.4	1491.7	V
SSFF	0.02	0.01	-0.01	
LSFF	0.01	-0.00	0.01	

Before Survey Verification Performed: Tue Jun 28 11:06:13 2011
 After Survey Verification Performed:

	Master Background	Before Survey Background	After Survey Background	
SS1	855.4	842.5		cps
SS2	2352.8	2340.6		cps
SSTOTAL	5582.1	5519.3		cps
LITH	114.4	110.0		cps
LL	218.1	222.4		cps
LU	633.6	633.2		cps
LS	851.7	855.6		cps
LSTOTAL	1606.6	1605.9		cps
SSHV	1531.0	1533.0		V
LSHV	1488.3	1489.3		V
SSFF	0.02	0.01		
LSFF	0.01	0.02		

Compensated Neutron Tool Calibration Report

Serial Number: C10038
 Tool Model: 009

Master Calibration Performed: Tue Jun 14 21:12:01 2011

Source Number: 66005

Short Spacing Counts:	5603.59	cps
Long Spacing Counts:	220.38	cps
High Voltage:	1371.00	V

Target Ratio: 27.2000
 Ratio: 25.4273
 F-Factor: 1.0697

Before Survey Verification Performed: Tue Jun 28 11:01:12 2011
 After Survey Verification Performed:

Verifier Number: 6489

Verifier Values	Master Cal	Before Survey	After Survey	
Short Spacing Counts:	250.34	246.60		cps
Long Spacing Counts:	267.36	272.55		cps
High Voltage:	1371.00	1371.39		V
Ratio:	0.9364	0.9055		

Micro Electric Log Calibration Report

Serial Number: 000001
 Tool Model: 001

Caliper Calibration Performed: Sun Mar 13 21:55:53 2011

	Diameter		Reading 1	Reading 2
Small Ring:	1.350	in	1303.900	1305.700
Large Ring:	4.450	in	1342.100	1391.700
Gain:			0.0783	0.0302
Offset:			-100.6540	-37.6247

Pad Calibration

	Inverse	Normal
Gain:	1.0000	1.0000
Offset:	0.0000	0.0000

Borehole Fluid Resistivity Calibration Report

Serial Number: 000002
 Tool Model: 001

Master Calibration Performed: Fri Jun 24 11:49:39 2011

Resistivity Polynomial Equation:

$$0.3130x^2 + 1.1800x + 0.0520$$

Temperature Calibration:

Reference		Reading	
53.60	degF	846.40	bits
107.42	degF	919.20	bits

Gamma Ray Calibration Report

Serial Number: C10062
 Tool Model: 001

Performed: Fri Jun 17 00:49:53 2011

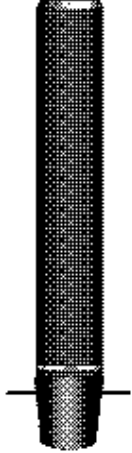
Calibrator Value:	147.0	GAPI
Background Reading:	120.7	cps
Calibrator Reading:	532.1	cps
Sensitivity:	0.3574	GAPI/cps

Head Tension Unit Calibration Report

Serial Number: 000004
 Tool Model: 011

Point #	Reference		Reading	
1	-20000.000	lb	3767.000	cps
2	0.000	lb	31265.000	cps
3	20000.000	lb	58902.000	cps
4		lb		cps
5		lb		cps
6		lb		cps
7		lb		cps
8		lb		cps
9		lb		cps
10		lb		cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)		
HTEN	50.84		CHD-001 (000004) Cable Head	2.19	3.38	35.00		
			XTU-008 (C10067) Crossover Ultrawire Toolbus to Ultralink	2.08	3.38	47.00		
			HTU-011 (000004) Head Tension Unit	2.18	3.38	55.00		
GR	48.82		GRT-001 (C10082) Gamma Ray Tool	3.22	3.38	69.00		
			BFR	44.41	BFR-001 (000002) Borehole Fluid Resistivity	3.80	3.38	75.00
MEL	35.03				MEL-001 (000001) Micro Electric Log	9.17	3.38	190.00
			CNLSC CNSSC	27.35 26.85	KJT-001 (000001) Knuckle Joint	2.86	3.38	72.00
					CNL-009 (C10088) Compensated Neutron Logging Tool	5.27	3.38	125.00
LDT	17.19		LDT-002 (B10110S50129B) Litho Density Tool	9.75	4.50	310.00		

IAT	10.01		<p>IAT-002 (B10107) Induction Array Tool</p>	13.42	3.88	200.00
SP	2.20		<p>BN-HF (000003) Holefinder</p>	1.94	3.88	8.00

Dataset: voegele_1_28.db: field/well/run1/main
 Total Length: 55.87 ft
 Total Weight: 1186.00 lb
 O.D.: 4.50 in