Submit 3 Copies To Appropriate District Office
District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

OCT 01 2009

Form C-103
May 27, 2004

WELL API NO.
30-015-20743

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name
Avalon State

1. Type of Well: Oil Well ☐ Gas Well ☒ Other SWD

8. Well Number 1

2. Name of Operator
Fasken Oil and Ranch, Ltd.

9. OGRID Number
151416

3. Address of Operator
303 W. Wall, Suite 1800, Midland, TX 79701

10. Pool name or Wildcat
Bone Springs

4. Well Location
Unit Letter K : 1440' feet from the South line and 1650' feet from the West line
Section 7 Township 21S Range 26E NMPM County Eddy

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type **Depth to Groundwater** **Distance from nearest fresh water well** **Distance from nearest surface water**

Pit Liner Thickness: **mil** **Below-Grade Tank: Volume** **bbls;** **Construction Material**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER. Tracer Survey ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Fasken Oil and Ranch, Ltd. is submitting a Tracer Survey for the Avalon State #1.

Please see attached survey.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE Kim Tyson TITLE Regulatory Analyst DATE 9-30-09

Type or print name Kim Tyson E-mail address: kimt@forl.com Telephone No. (432) 687-1777

For State Use Only

APPROVED BY: Jaqui R TITLE Geologist DATE 11/1/2009

Conditions of Approval (if any):

GRAY WIRELINE

INJECTION PROFILE

Company FASKEN OIL & RANCH LTD.
Well AVALON STATE #1
Field ----------
County EDDY State NEW MEXICO

Location: API # :

1400' FSL & 1650' FWL

SEC 7 TWP 21-S RGE 226-E

Other Services: CALIPER

Elevation: K.B. 3321' D.F. 3320' G.L. 3305'

Permanent Datum	G.L.	Elevation	3305'
Log Measured From	K.B.	16'	
Drilling Measured From	K.B.		

Date	09/23/09		
Run Number	ONE		
Depth Driller	10,800'	(PBTD 8000')	
Depth Logger	7640'		
Bottom Logged Interval	7640'		
Top Log Interval	3800'		
Open Hole Size	N/A		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp	100 DEG.		
Estimated Cement Top	N/A		
Time Well Ready	9 AM		
Time Logger on Bottom	10 AM		
Equipment Number	81		
Location	LEVELLAND		
Recorded By	BOLES		
Witnessed By			

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				2.375"		0'	4048'

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5"	----------	0	4193'
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

THIS LOG WAS CORROLATED TO SCHLUMBERGER 10/21/72

PERFORATIONS

OPEN HOLE: 4193-7640'

INJECTION WELL

INJECTION WELL:

SHUT-IN DATE 09/23/09 HOUR 3 P.M. TOTAL S.I. TIME 1 HR S.I. PRESS 0 PSI
METERED INJ. RATE686 B/D PRESSURE 300 PSI TEMP FLUID TYPE WATER
TOTAL VOLUME TO DATE FLUID LEVEL TUBING INJECTING

PRODUCER:

FLOWING PUMPING CHOKE SETTING HOURS PROD.
FLUID LEVEL CSG. TBG. RATE B/W B/O
FLUID TYPE

FRAC OR ACID WELLS:

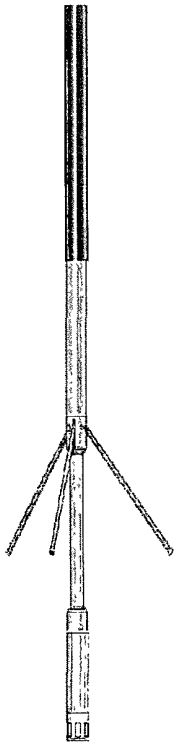
TIME FINISHED FRAC OR ACID ACID % FLUID - GALS SAND #
RATE - BPM PRESSURE

CONCLUSIONS

THIS SURVEY WAS RAN TO DETERMINE THE ZONES OF INJECTION.
THERE WAS NO INDICATION OF A CHANNEL FROM THE CASING SHOE.

100% CASING RATE-686 B/D

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			TREJCT-20CC138 (TR_20_1)	3 06	1.38	10 00
CCL	6 67		CCL-Probe (080749) 1 3/8" Probe Logging CCL	1 89	1 38	5 00
DET	5 00		TRDET-PROBE1 (080769T) 1 3/8" Probe Top Gamma	3 46	1.38	15 00

DET#2	0 00		TRDET #2 -Probe2 (080769B) 1 3/8" Probe Bottom Gamma	3 46	1 38	15.00
			XYC-PROBE (PROBE01) 1 3/8" Probe Caliper	3 43	1 38	20 00
XCAL	-3 93					
YCAL	-3 93					
TEMP	-5 18		TEMP-Probe (080510) Probe 1 3/8" Temp	1.00	1 38	4 00

Dataset	avalon1.db AVALON/1/TRACER3/pass8
Total Length	16 29 ft
Total Weight	69 00 lb
O D	1 38 in

Company:
Well:
File: C:\Warrior\Data\avalon1.db
Dataset: AVALON/1/TRACER3/_tracer_/_shottabl_/1

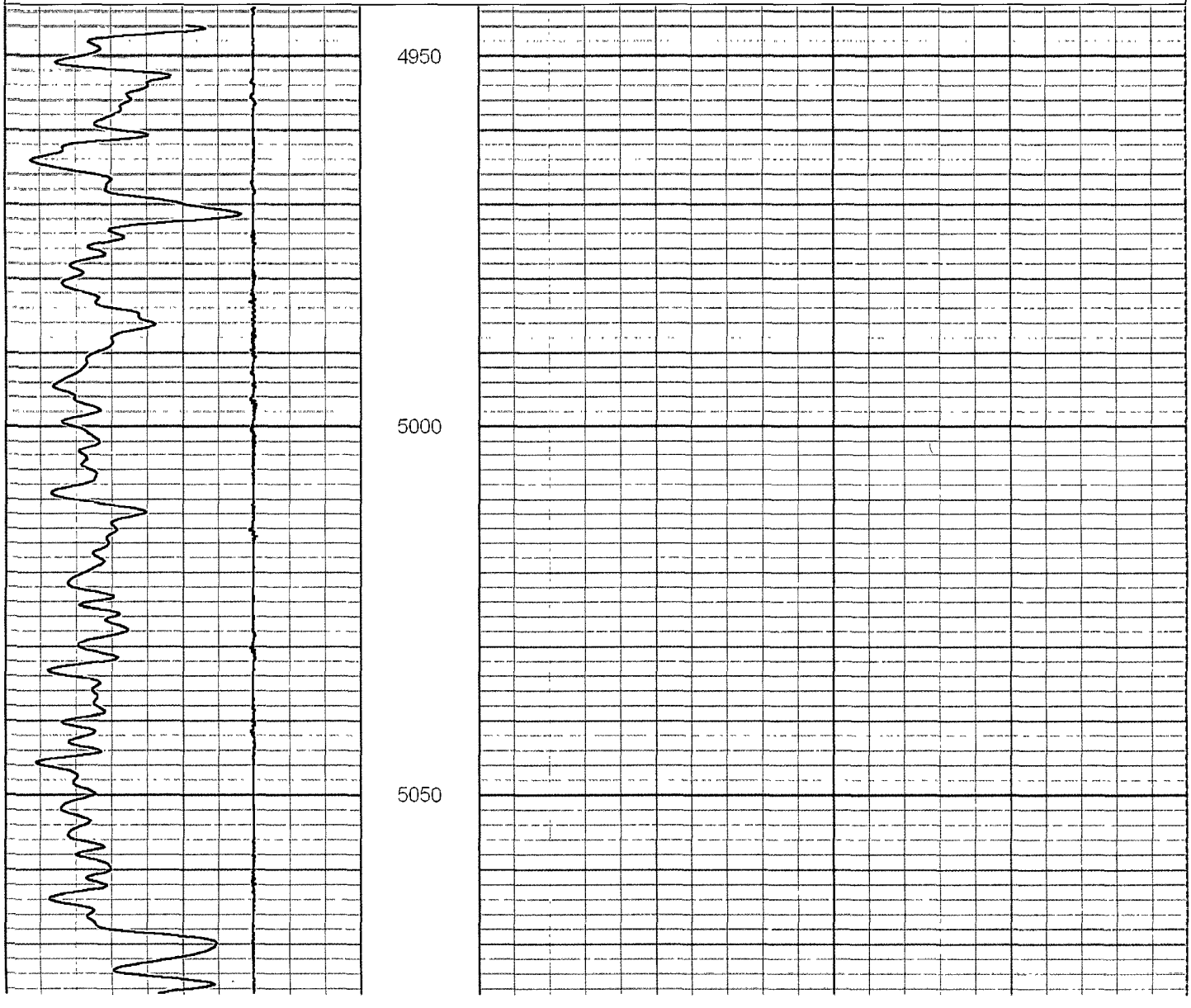
TRACER RESULTS

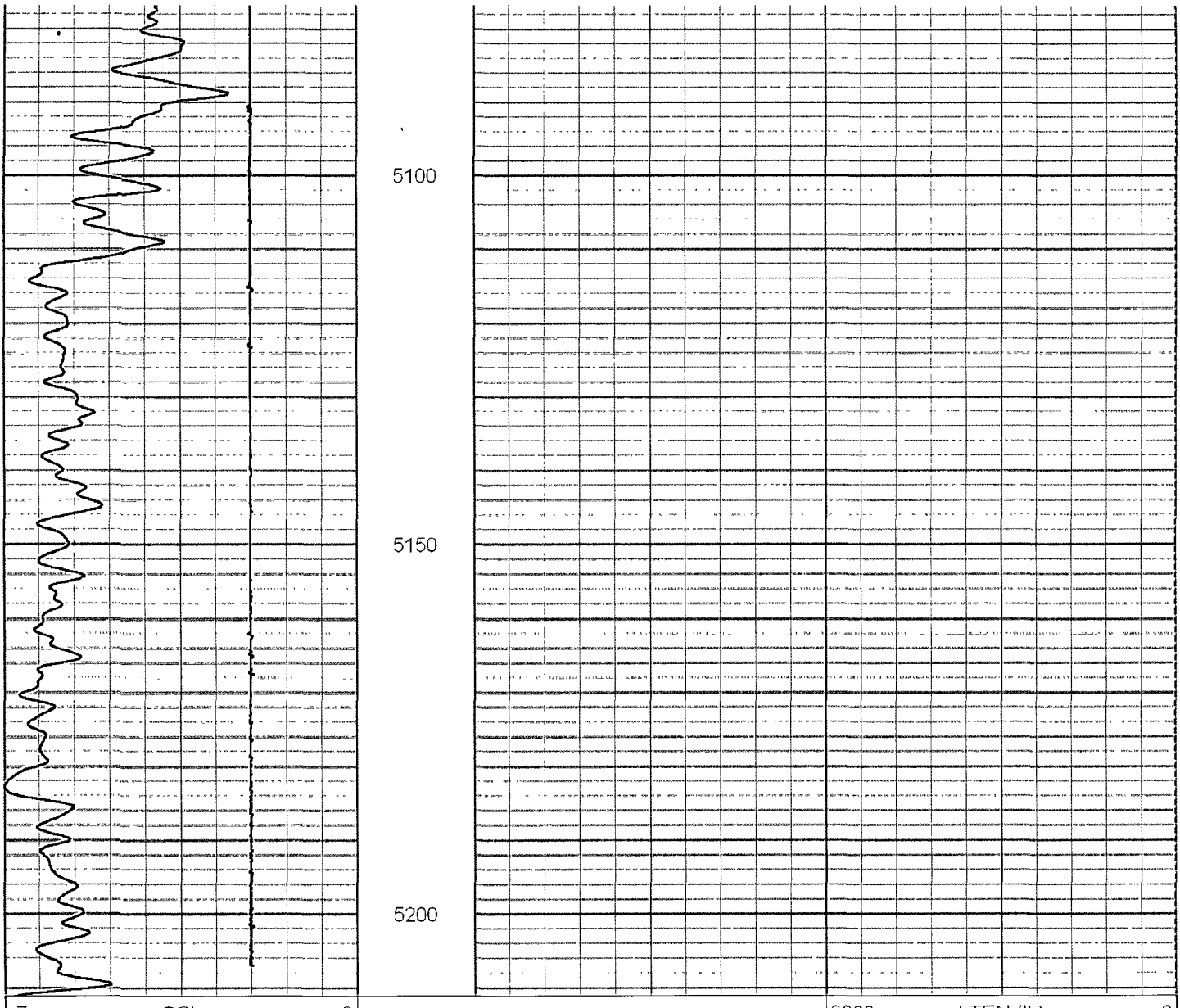
#	Depth (ft)	Time	Integration	Flow (%)	Delta (%)	Comment
1	4101.00	19:25:09	686.00	100.00		
2	4111.00	19:25:15	686.00	100.00	0.00	
3	4124.00	19:25:21	686.00	100.00	0.00	
4	4140.00	19:25:27	686.00	100.00	0.00	
5	4158.00	19:25:33	686.00	100.00	0.00	
6	4179.00	19:25:40	686.00	100.00	0.00	
7	4196.00	19:25:44	426.00	62.10	37.90	
8	4210.00	19:25:50	426.00	62.10	0.00	
9	4238.00	19:25:55	426.00	62.10	0.00	
10	4246.00	19:26:02	426.00	62.10	0.00	
11	4284.00	19:26:08	426.00	62.10	0.00	
12	4314.00	19:26:15	426.00	62.10	0.00	
13	4346.00	19:26:20	426.00	62.10	0.00	
14	4376.00	19:26:26	426.00	62.10	0.00	
15	4398.00	19:26:31	426.00	62.10	0.00	
16	5398.00	19:26:36	426.00	62.10	0.00	
17	5430.00	19:26:40	426.00	62.10	0.00	
18	5454.00	19:26:47	426.00	62.10	0.00	

19	5485.00	19:26:53	426.00	62.10	0.00	
20	5515.00	19:27:00	400.00	58.31	3.79	
21	5542.00	19:27:07	322.00	46.94	11.37	
22	5590.00	19:27:19	218.00	31.78	15.16	
23	5700.00	19:27:26	218.00	31.78	0.00	
24	5728.00	19:27:35	218.00	31.78	0.00	
25	5758.00	19:27:43	0.00	0.00	31.78	

GAMMA RAY CORRELATION

Database File	avalon1 db
Dataset Pathname	AVALON/1/GAMMA/pass1
Presentation Format.	gr-ccl
Dataset Creation:	Wed Sep 23 13 51.40 2009 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1 240



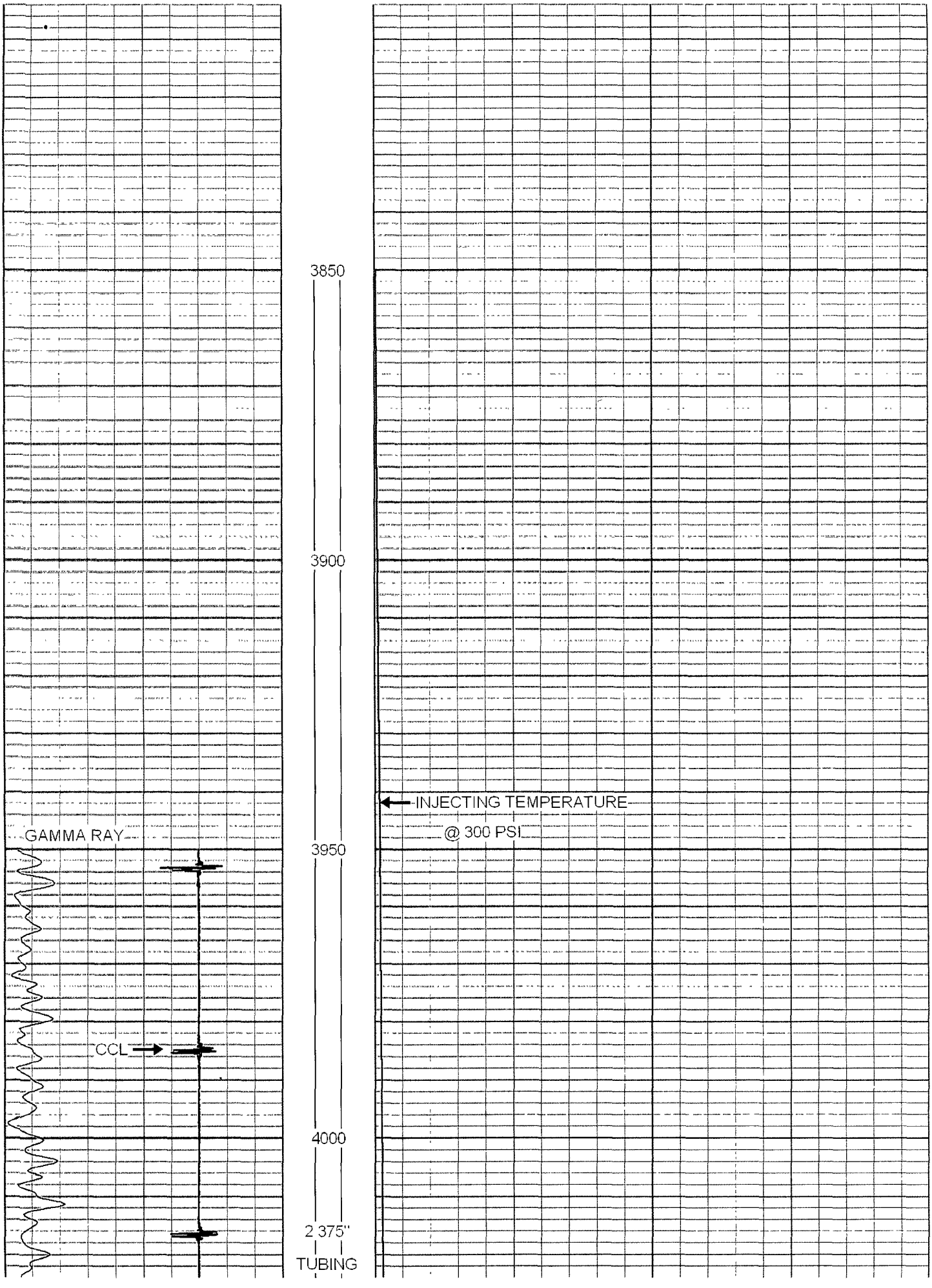


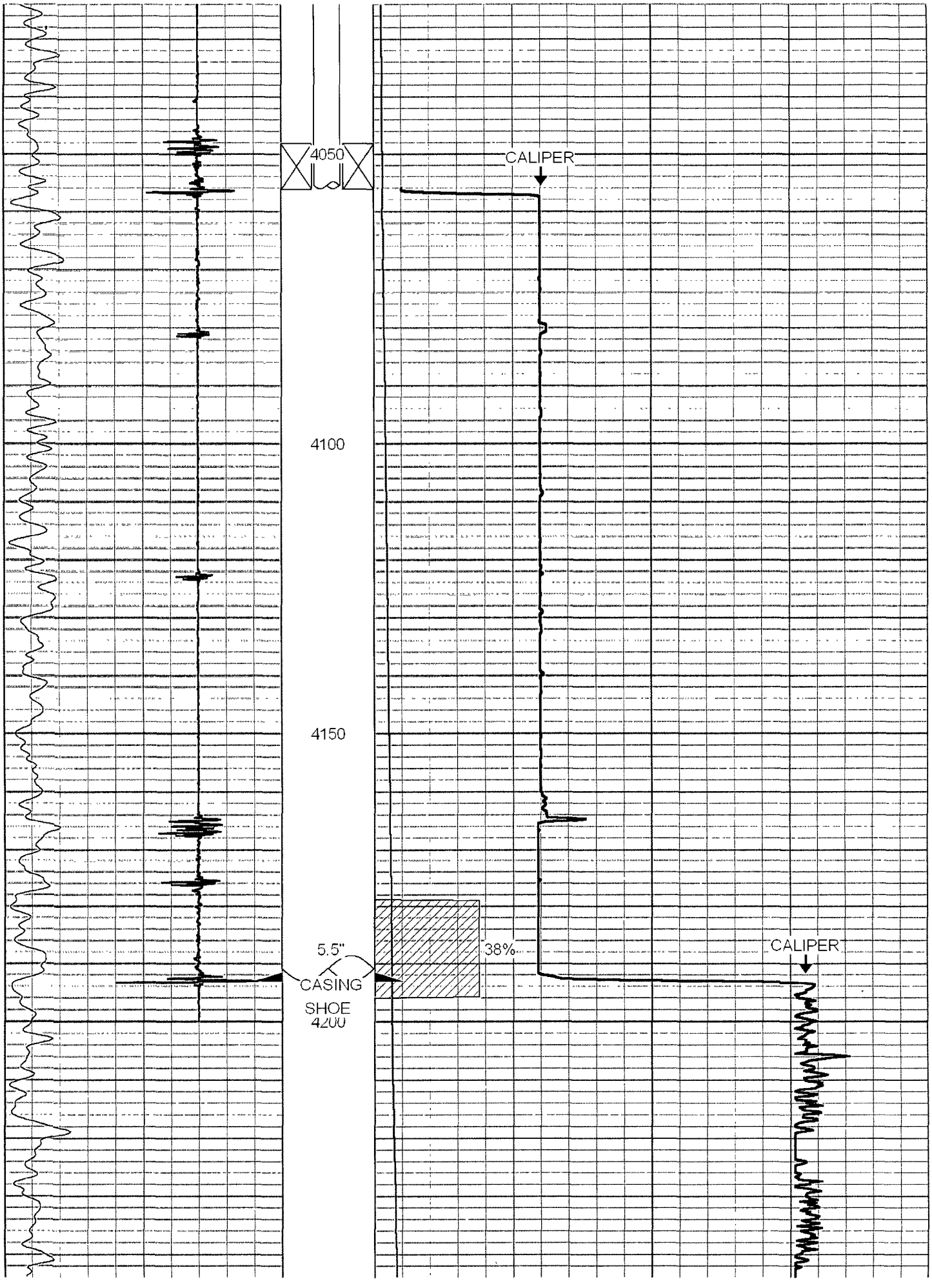
COMPOSITE

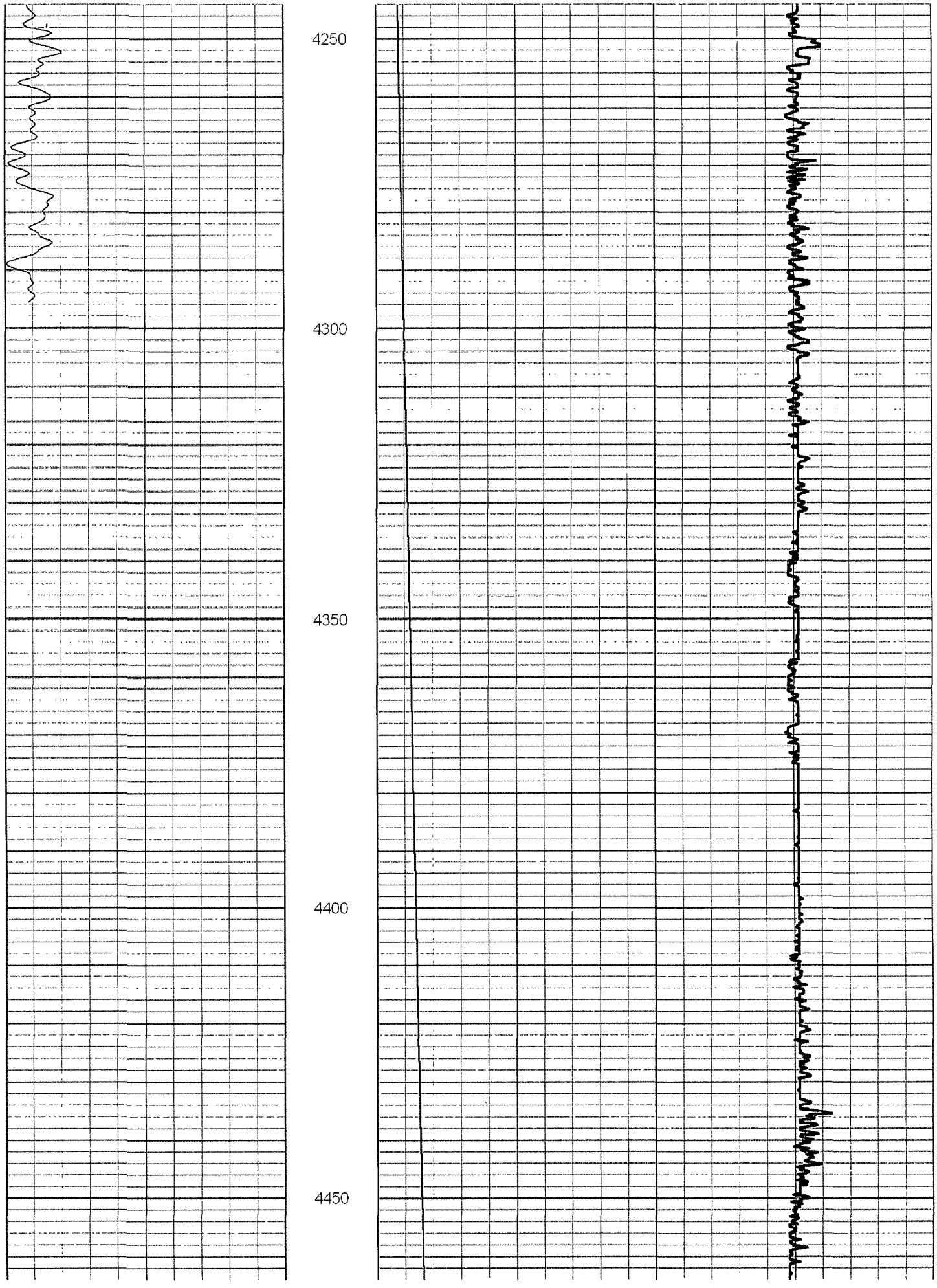
Database File.	avalon1 db
Dataset Pathname	AVALON/1/TRACER3/_compos4_
Presentation Format	trccomp
Dataset Creation	Wed Sep 23 20 55 10 2009
Charted by.	Depth in Feet scaled 1 240

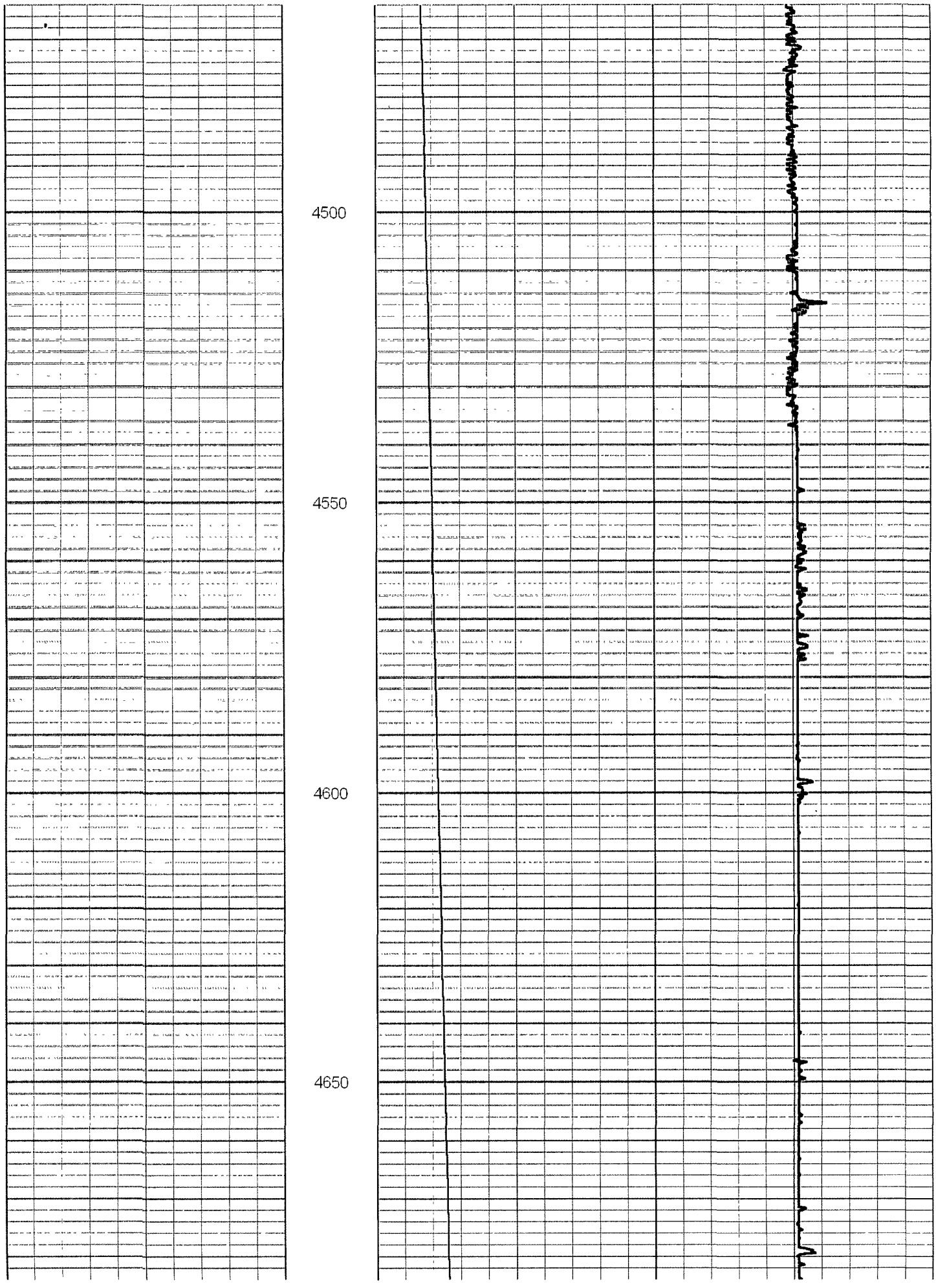
-7	CCL	3
0	GAMMA RAY (GAPI)	25

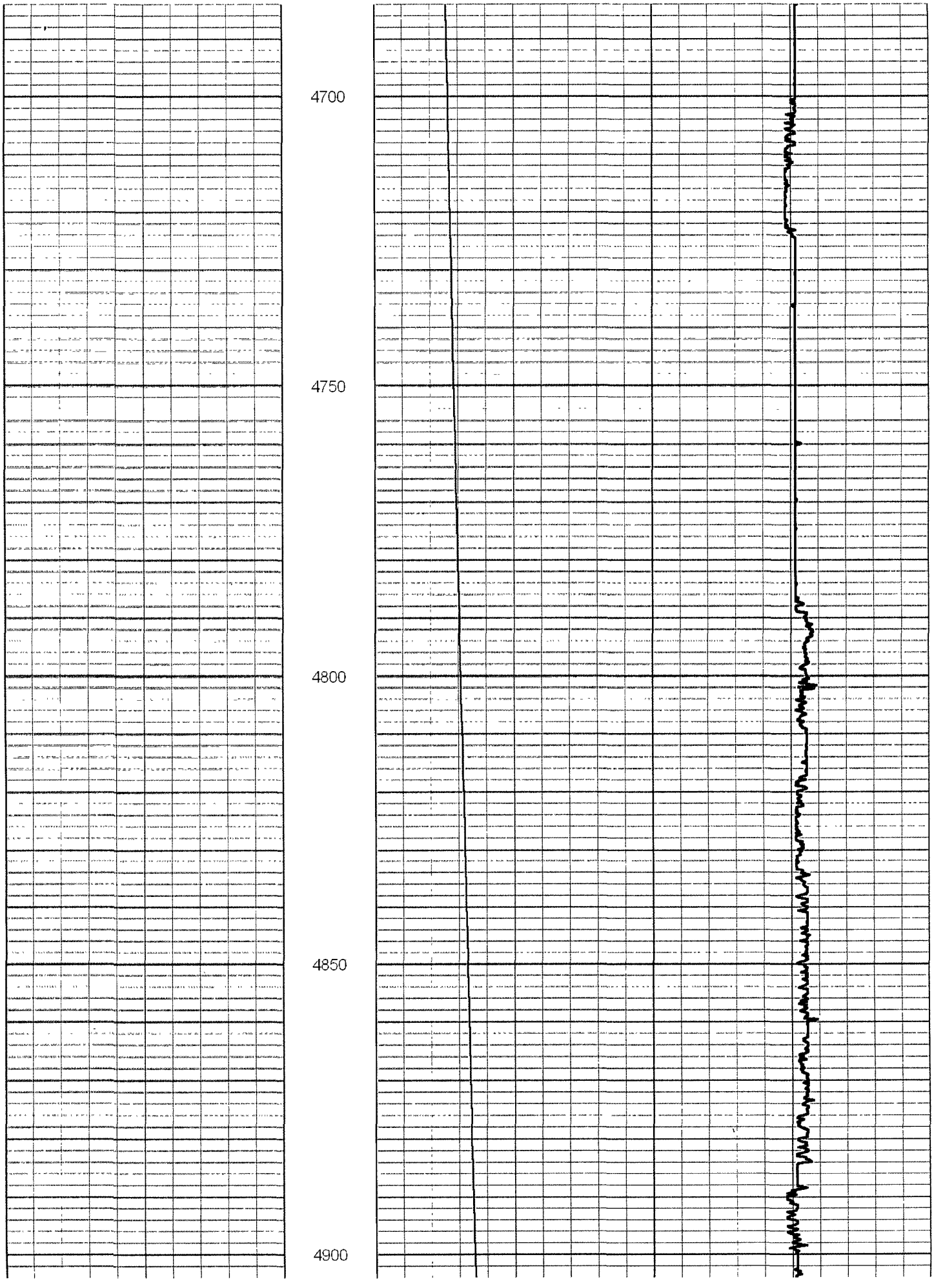
% LOSS VELOCITY OF TRACER		
0	(%)	100
2	CALIPER (in)	12
80	INJECTING TEMPERATURE (degF)	145

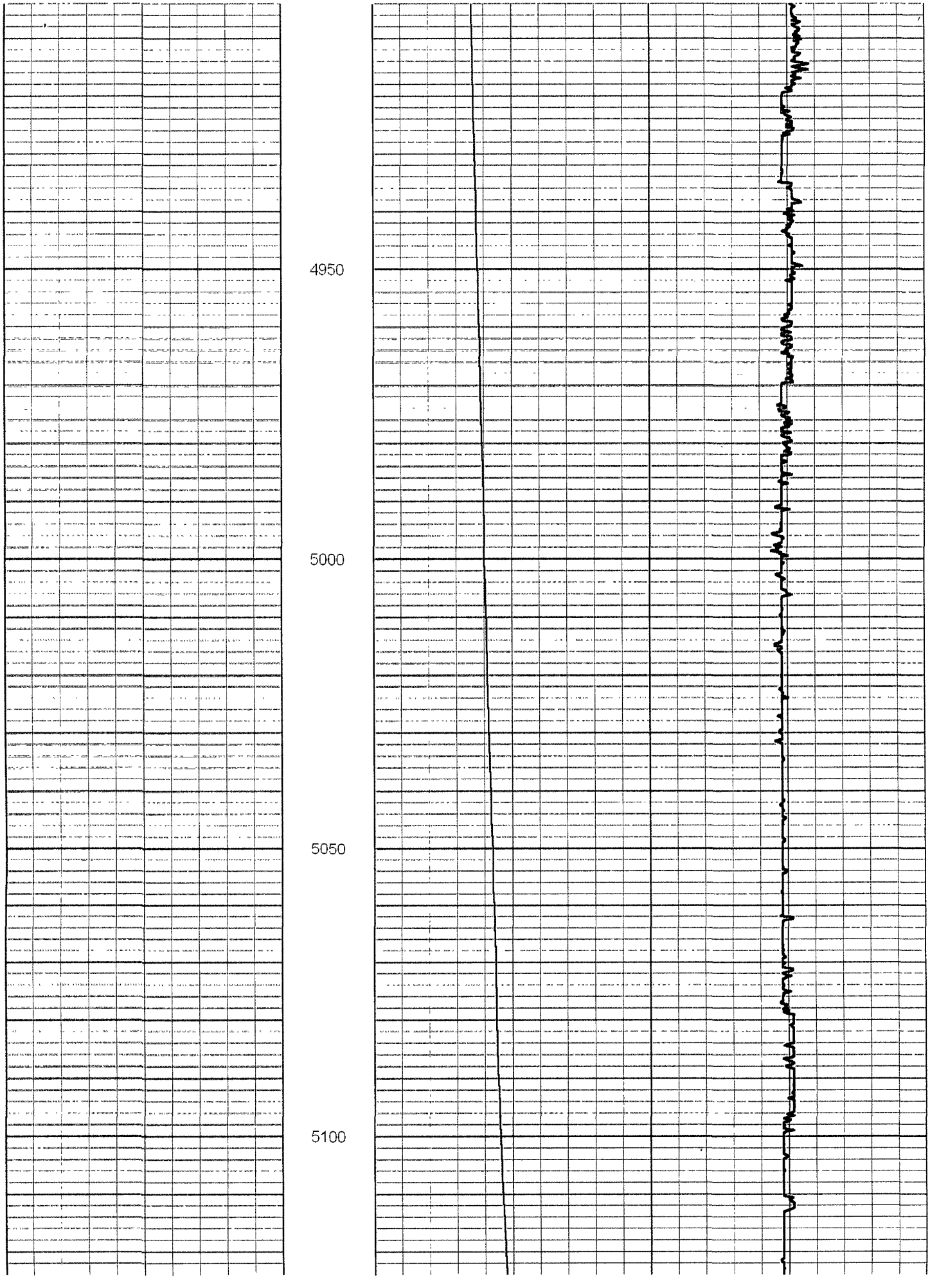

3850
3900
3950
4000
GAMMA RAY
CCL
2 375"
TUBING
INJECTING TEMPERATURE
@ 300 PSI

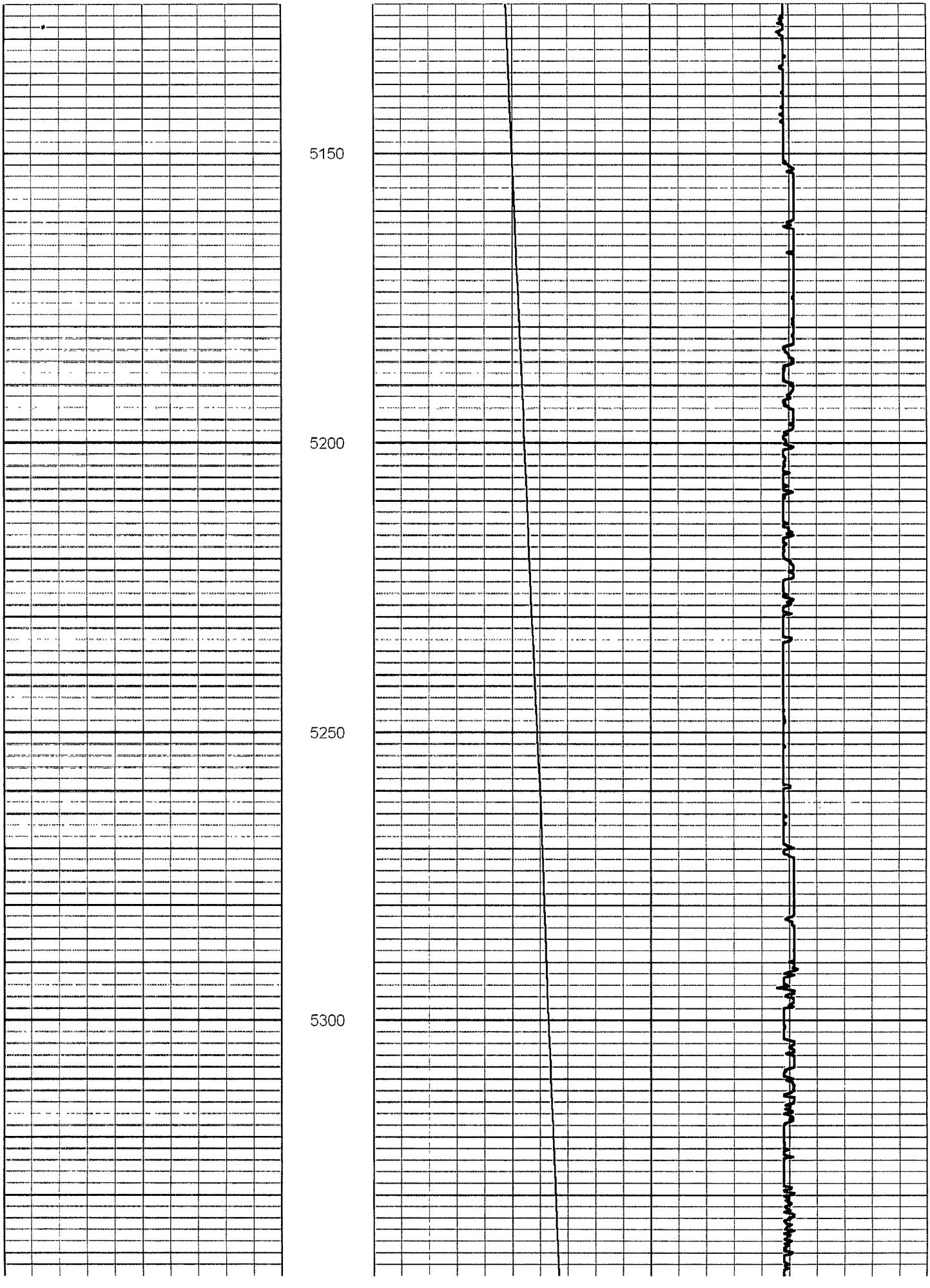

4050
CALIPER
4100
4150
5.5"
CASING
SHOE
4200
38%
CALIPER

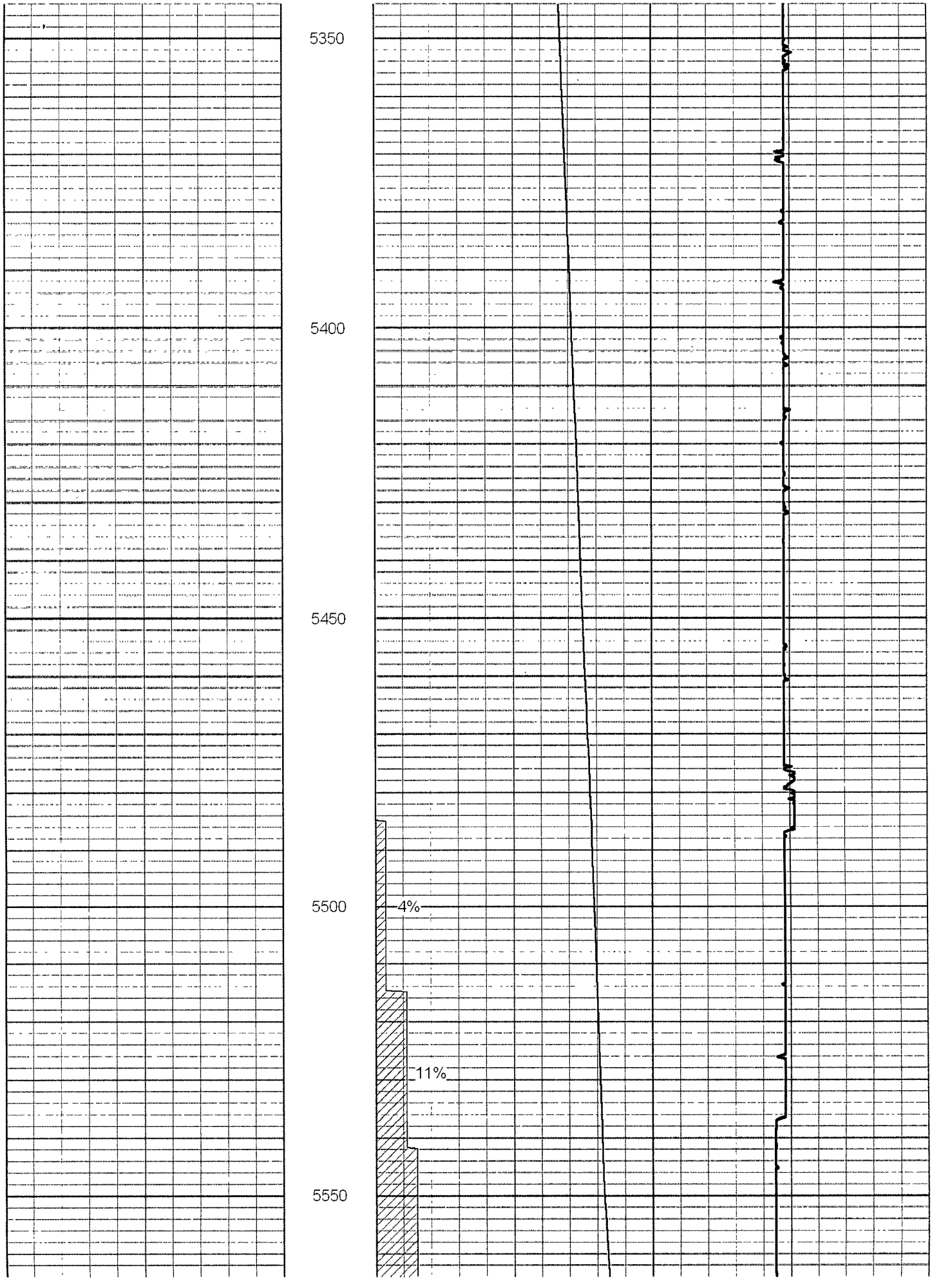

4250
4300
4350
4400
4450

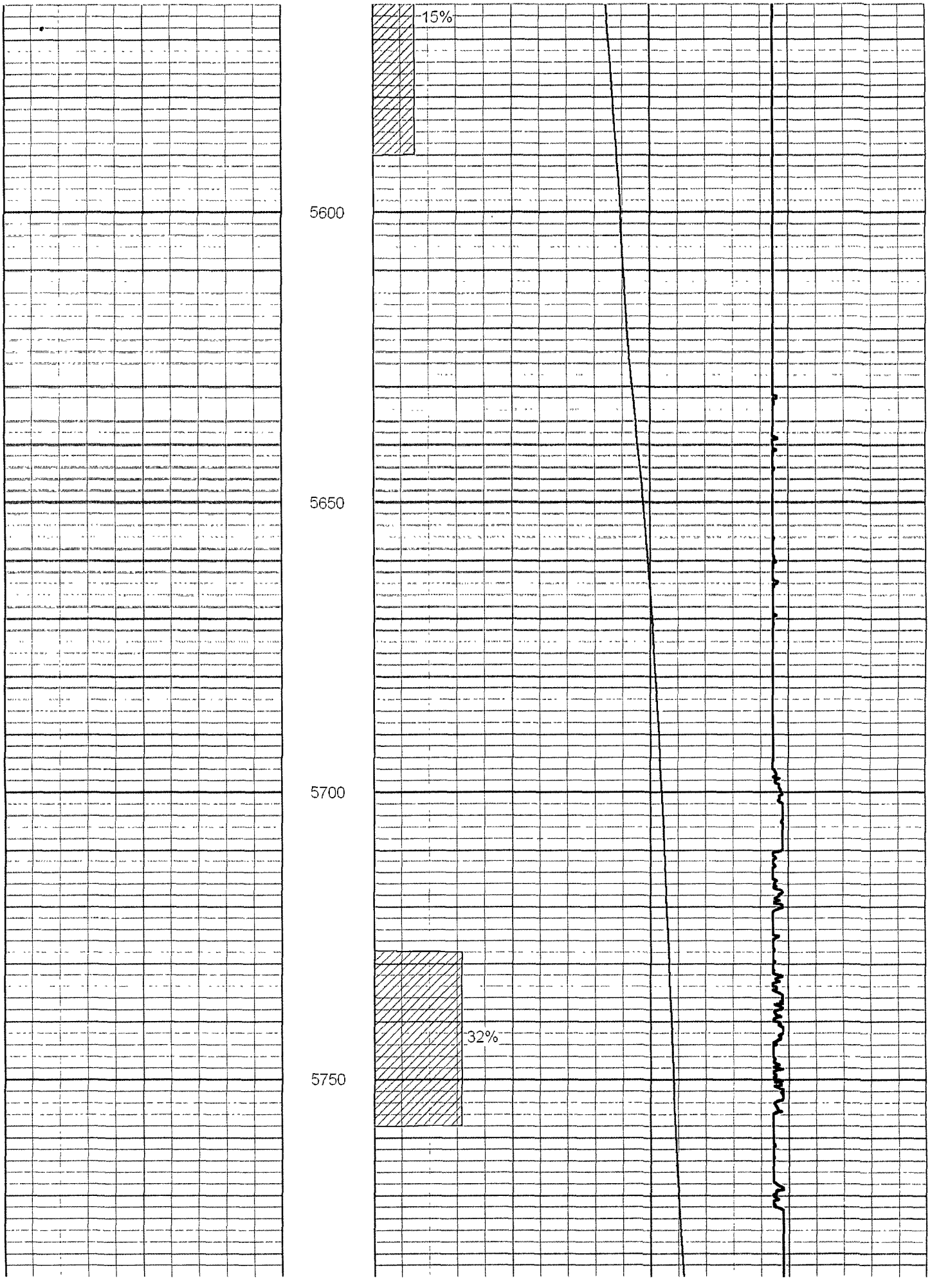

4500
4550
4600
4650

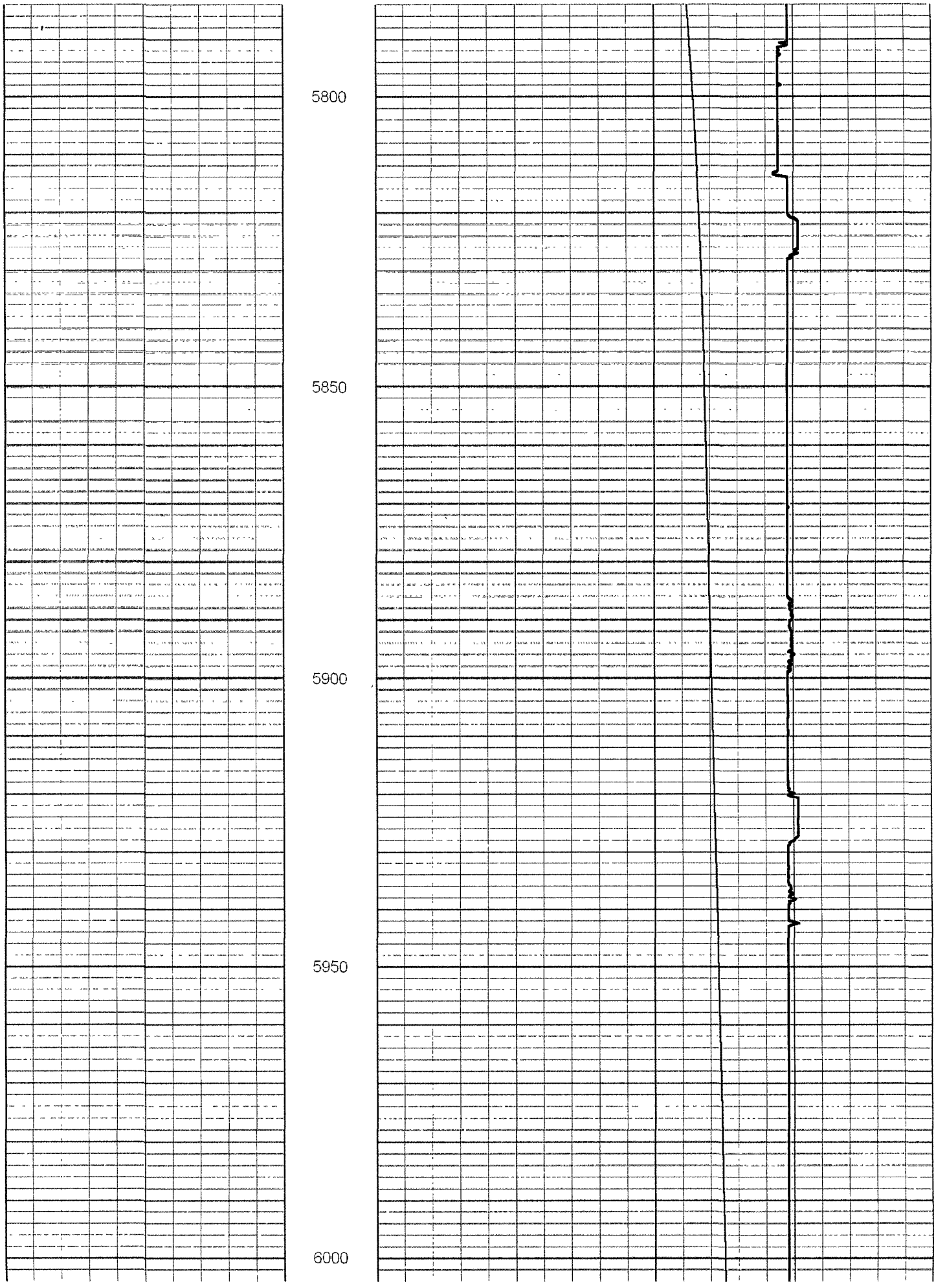

4700
4750
4800
4850
4900

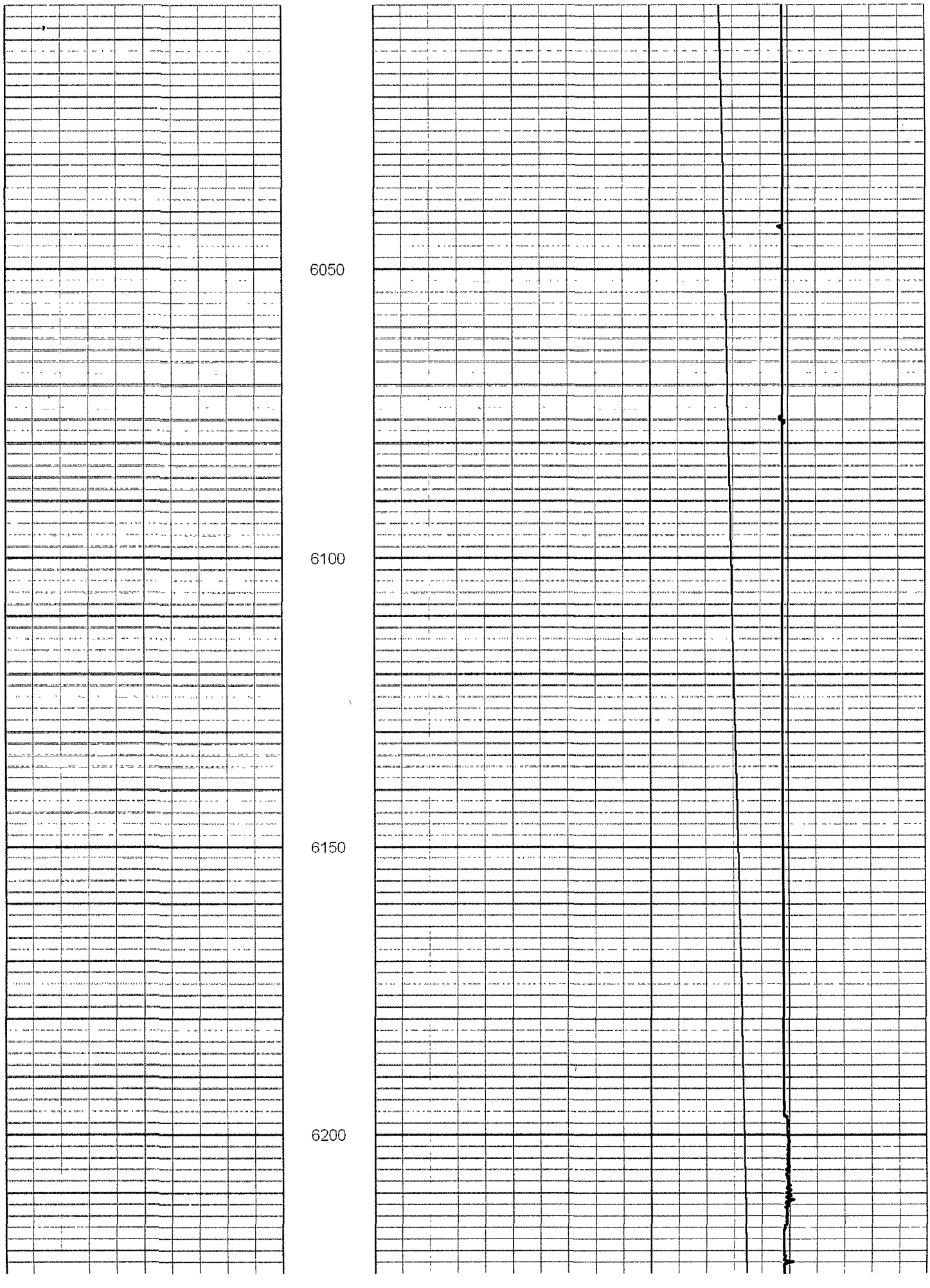

4950
5000
5050
5100


5150
5200
5250
5300


5350
5400
5450
5500
5550
4%
11%


15%
5600
5650
5700
32%
5750


5800
5850
5900
5950
6000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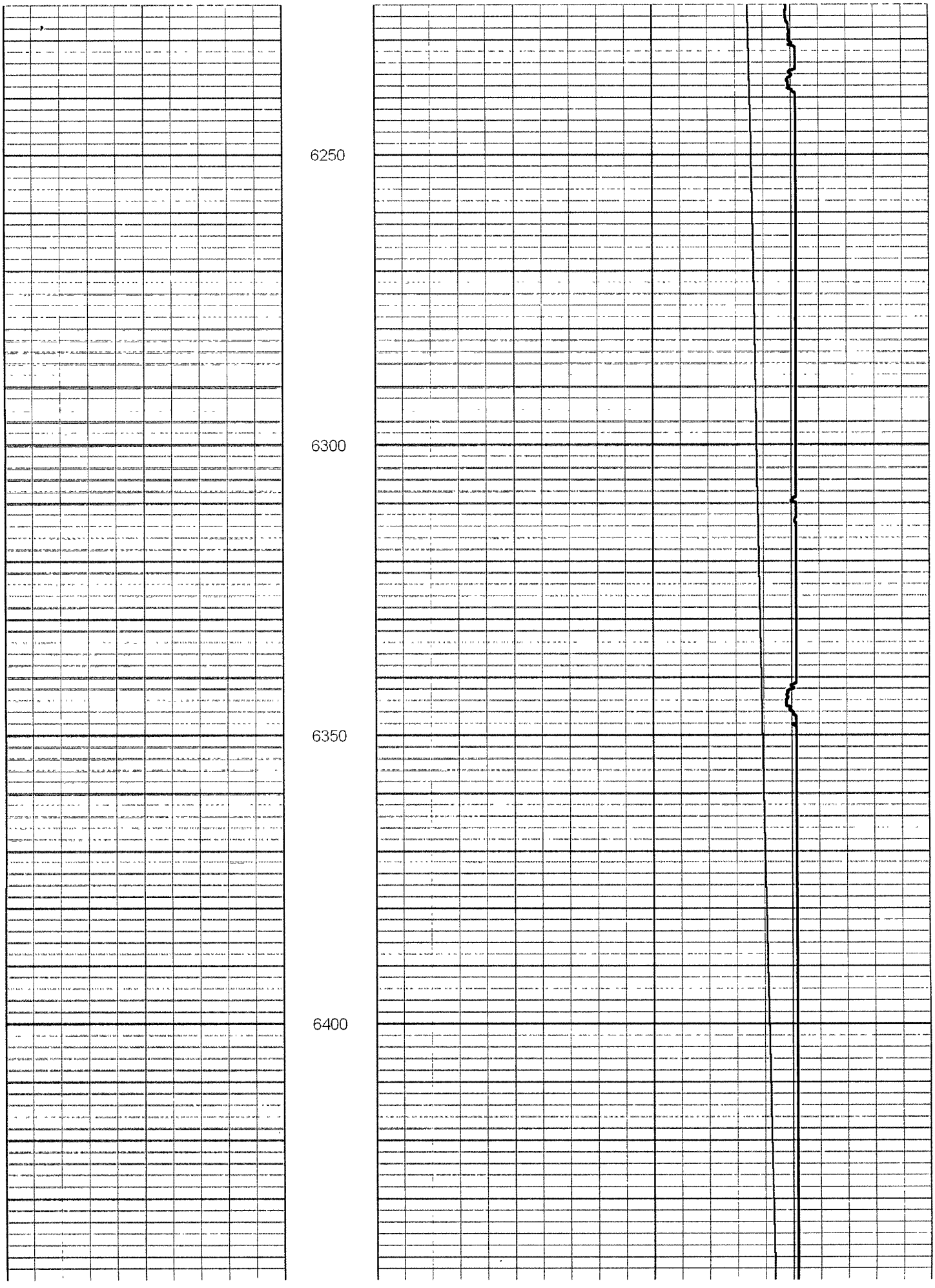
6100
6150
6200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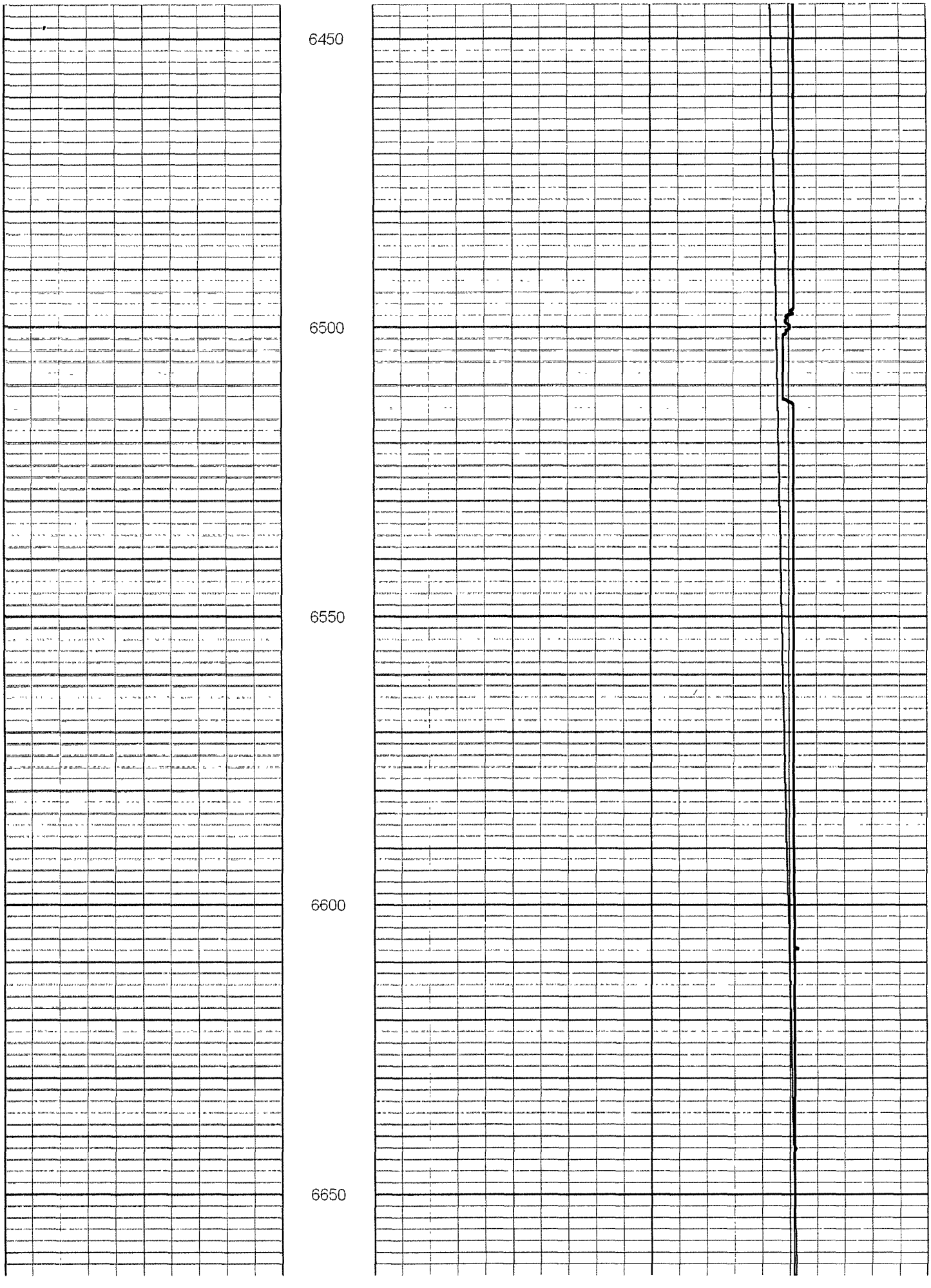
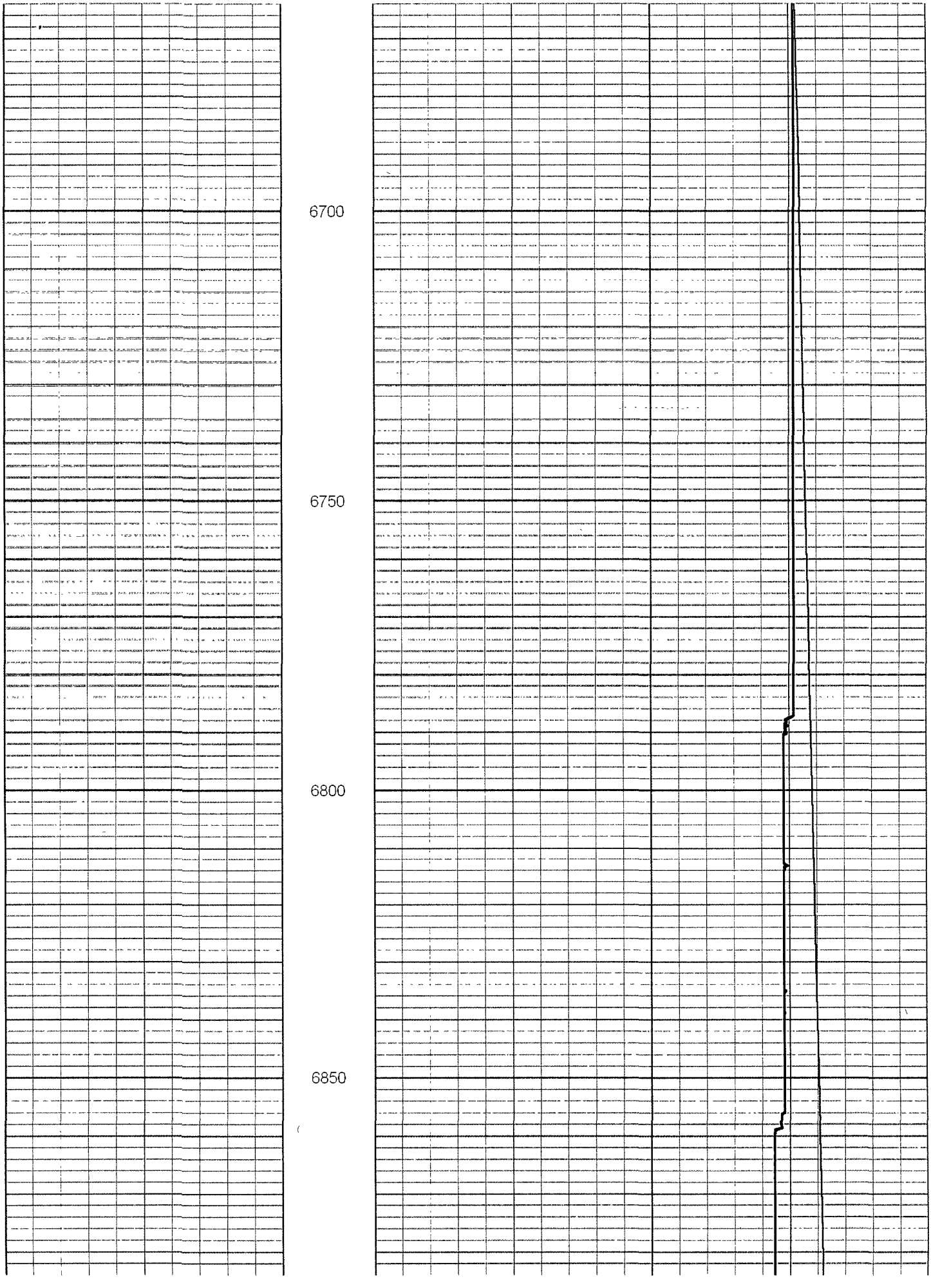
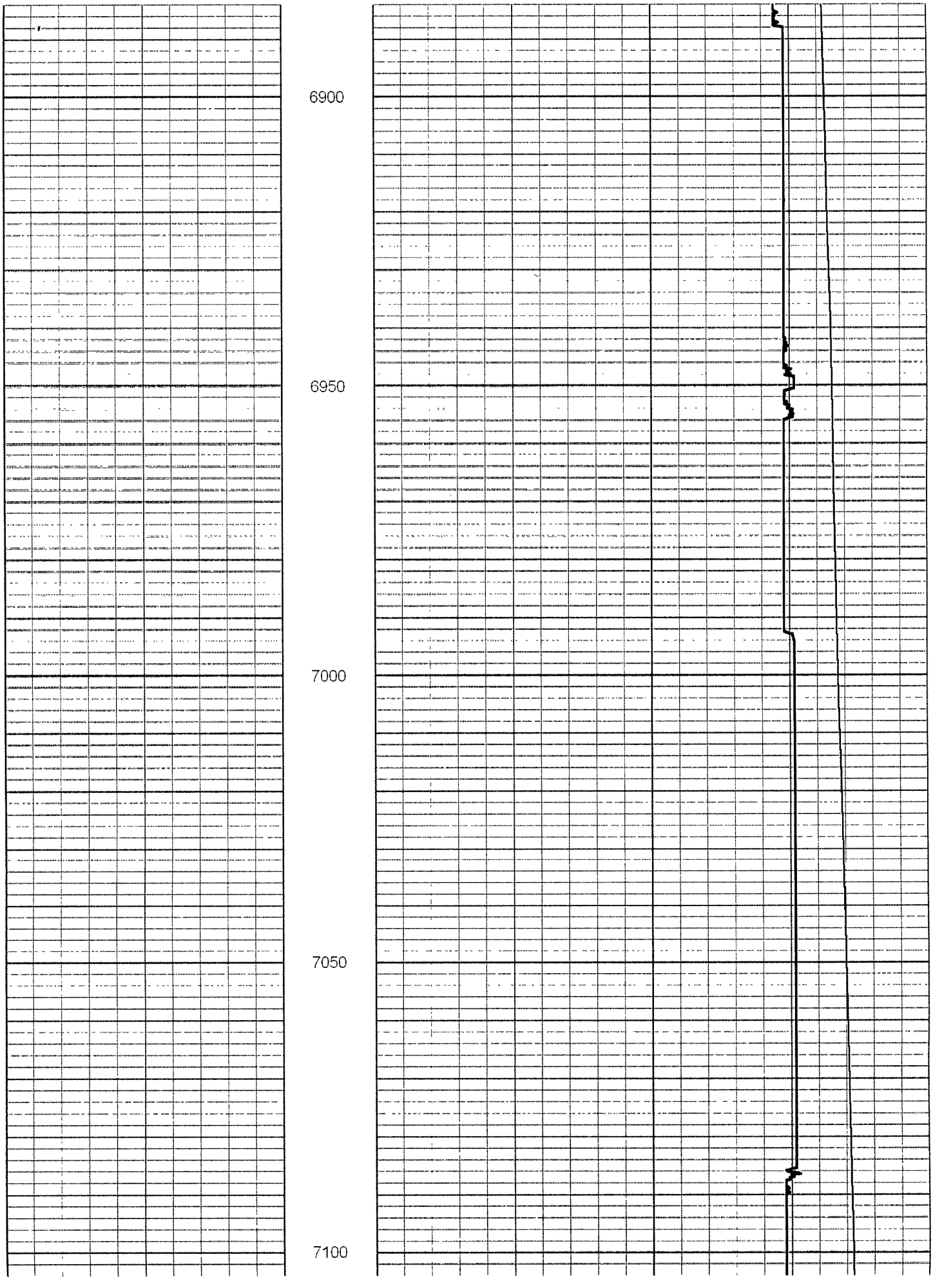
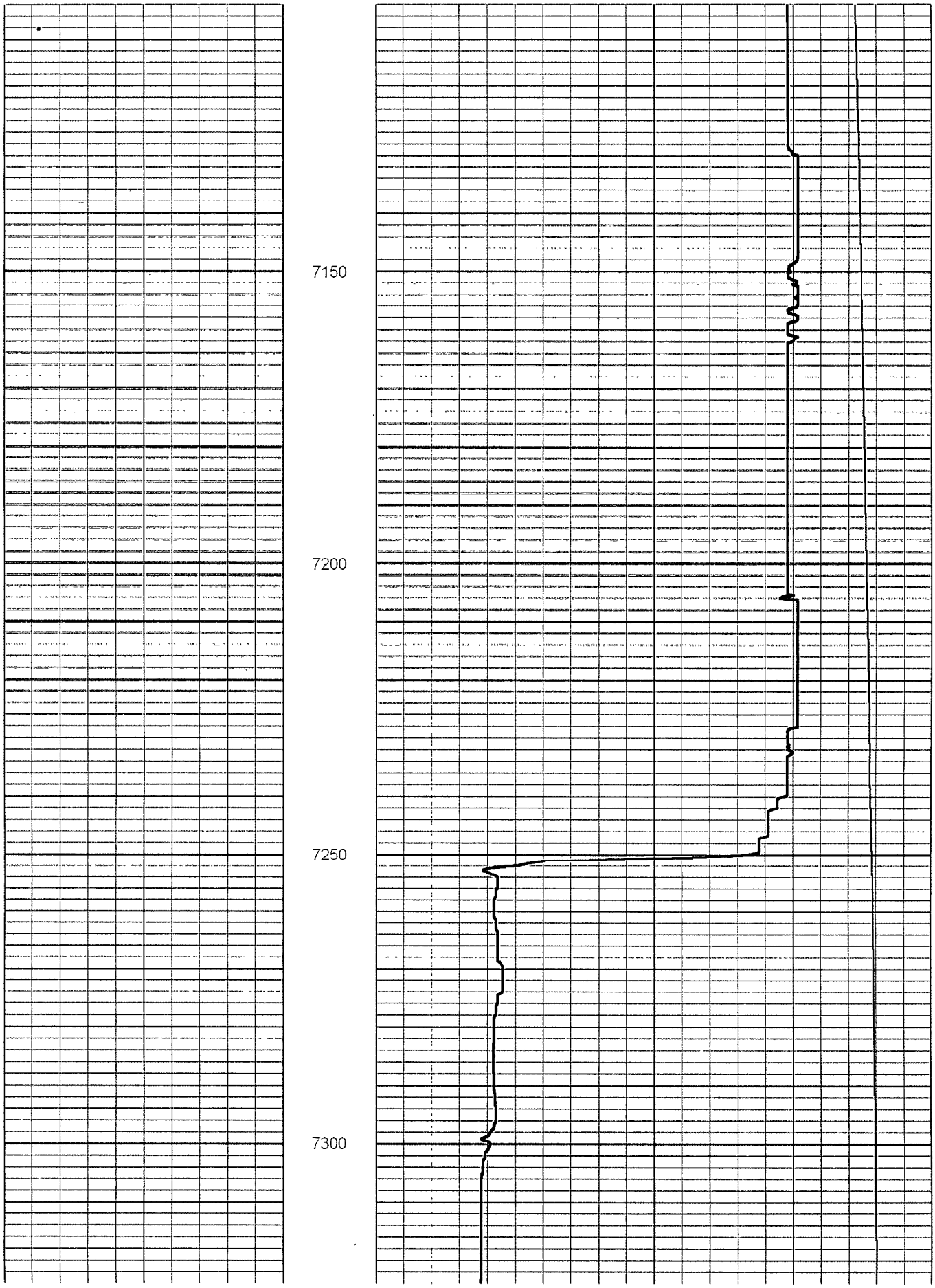
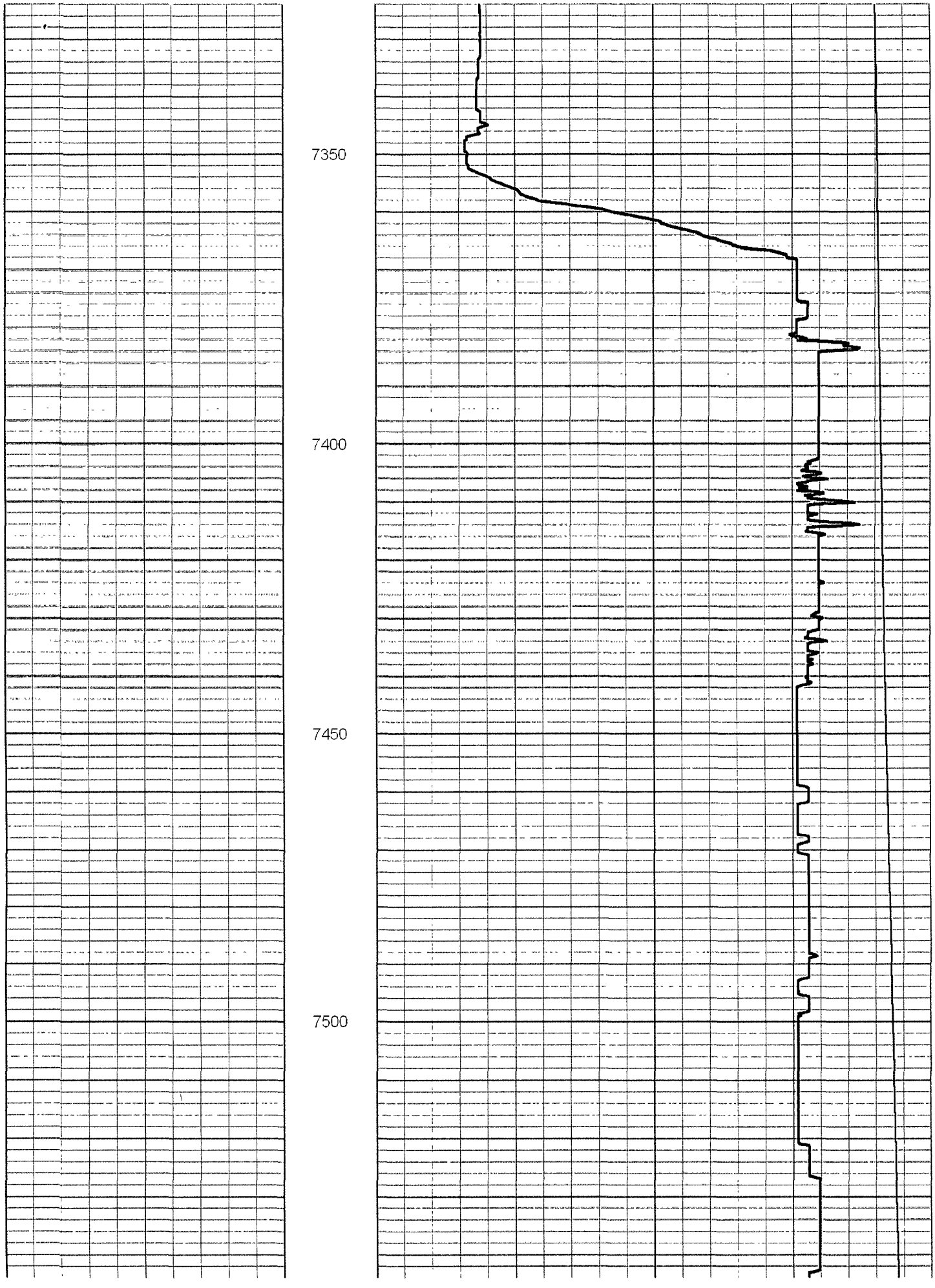
6300
6350
6400

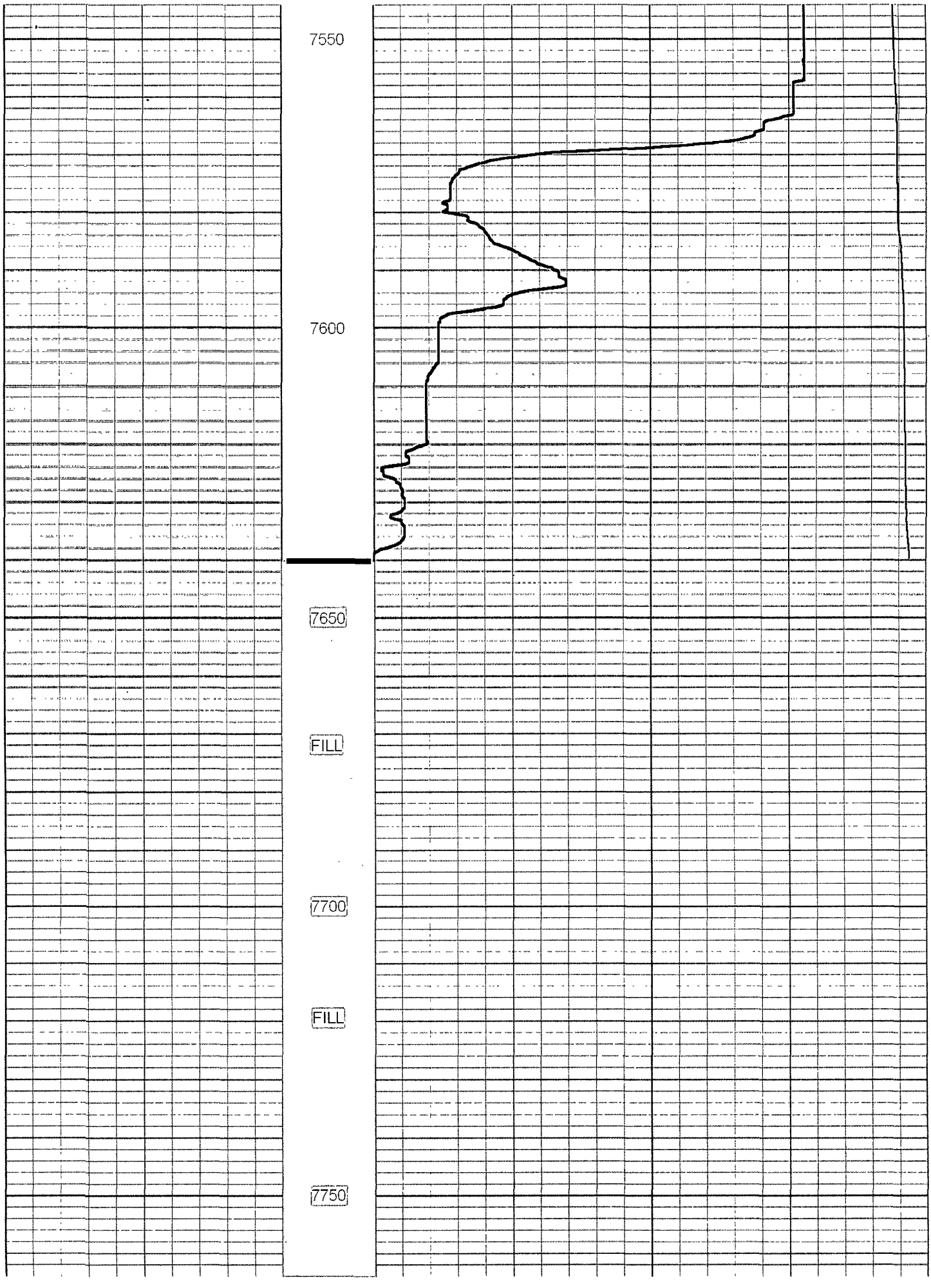

6450
6500
6550
6600
6650

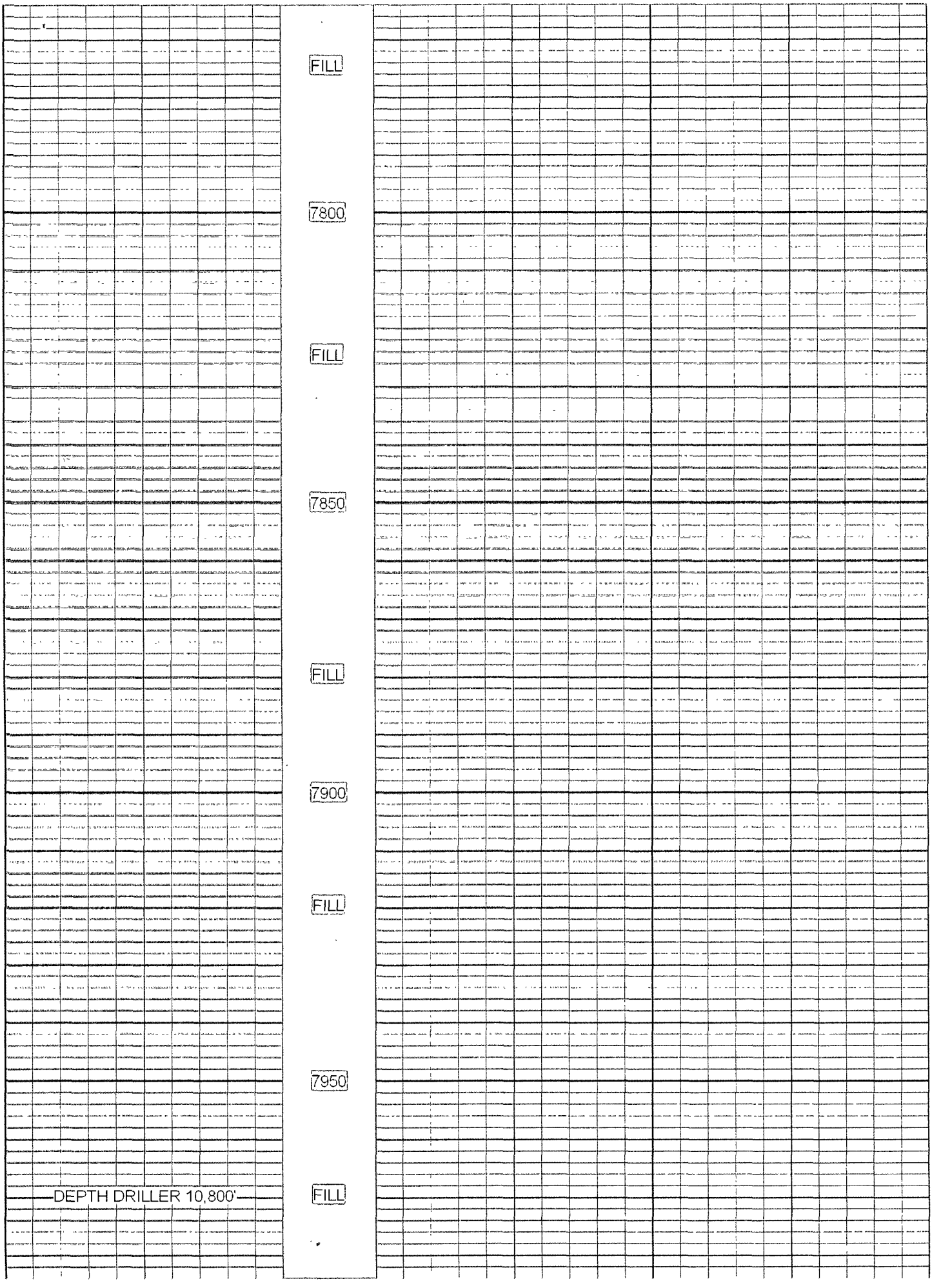

6700
6750
6800
6850

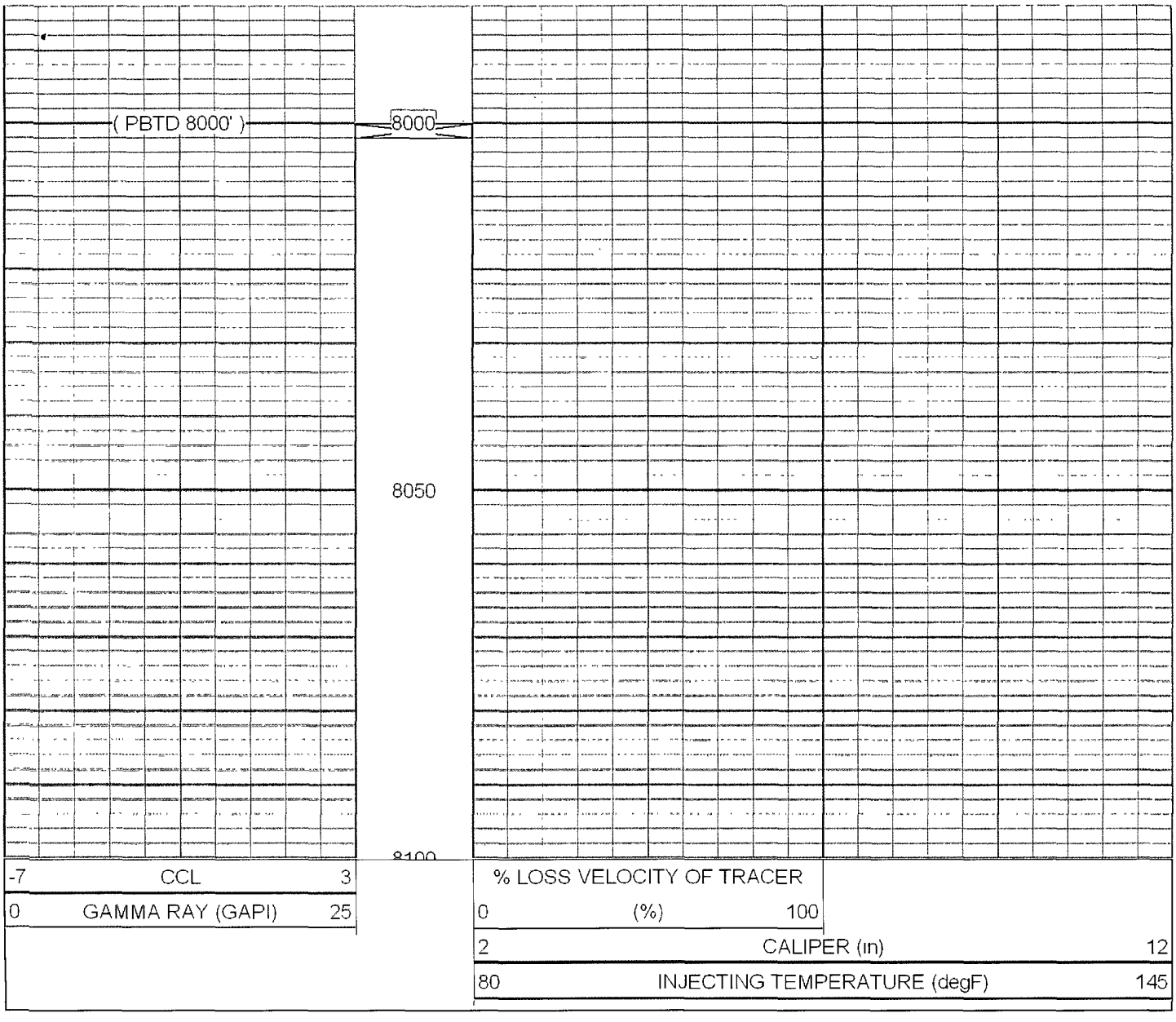

6900
6950
7000
7050
7100


7150
7200
7250
7300


7350
7400
7450
7500

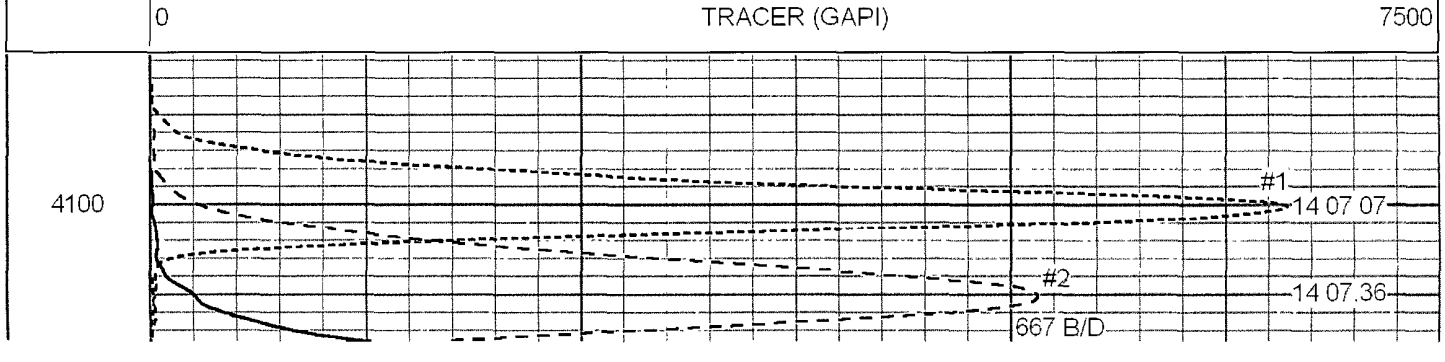

7550
7600
7650
FILL
7700
FILL
7750

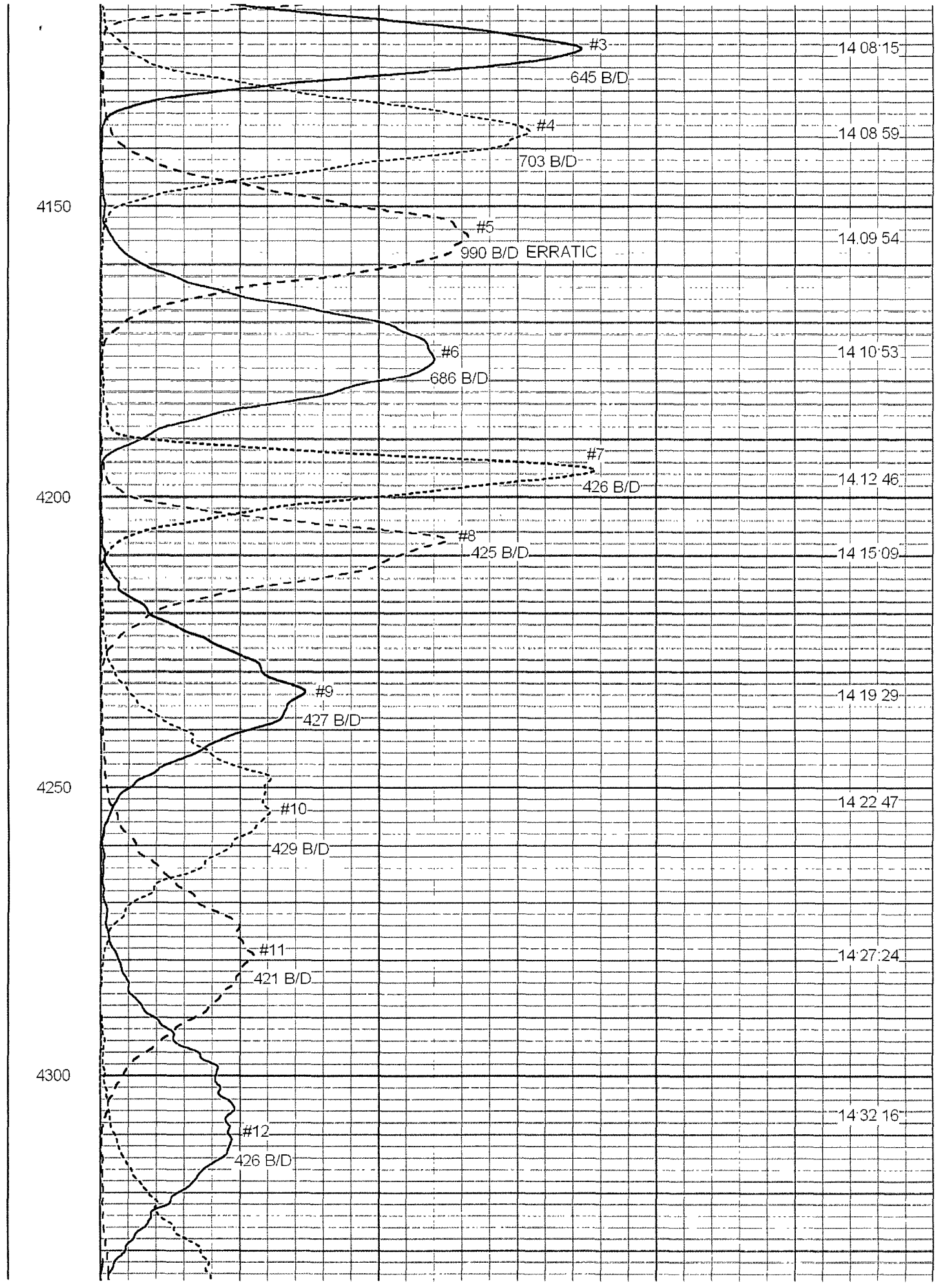

FILL
7800
FILL
7850
FILL
7900
FILL
7950
FILL
DEPTH DRILLER 10,800'



TRACER

Database File	avalon1.db
Dataset Pathname	AVALON/1/TRACER/_profile3_
Presentation Format	trcprof
Dataset Creation.	Wed Sep 23 14 48:49 2009
Charted by	Depth in Feet scaled 1 240




#3
645 B/D
14 08 15
#4
703 B/D
14 08 59
4150
#5
990 B/D ERRATIC
14 09 54
#6
686 B/D
14 10 53
#7
426 B/D
14 12 46
4200
#8
425 B/D
14 15 09
#9
427 B/D
14 19 29
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#10
429 B/D
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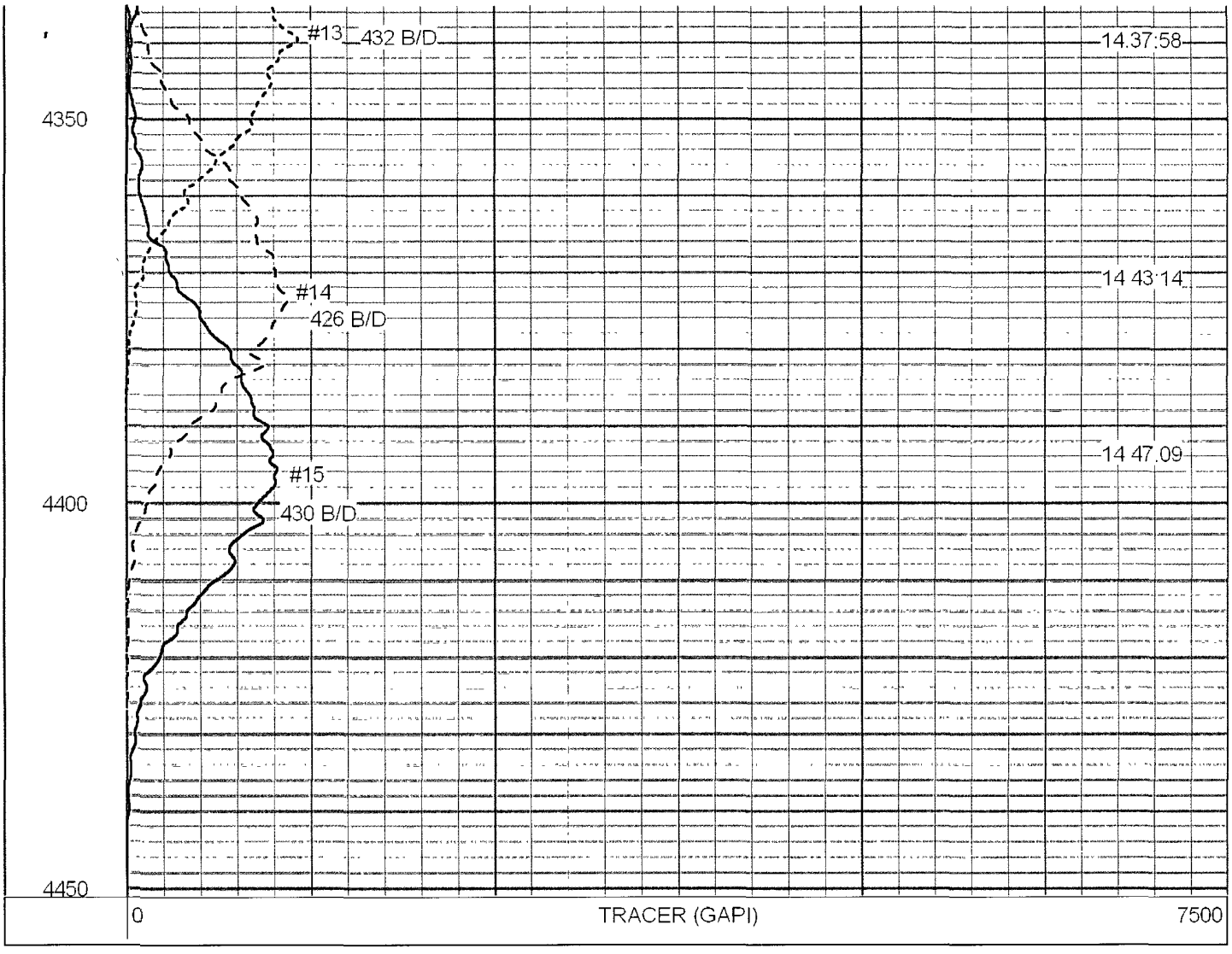
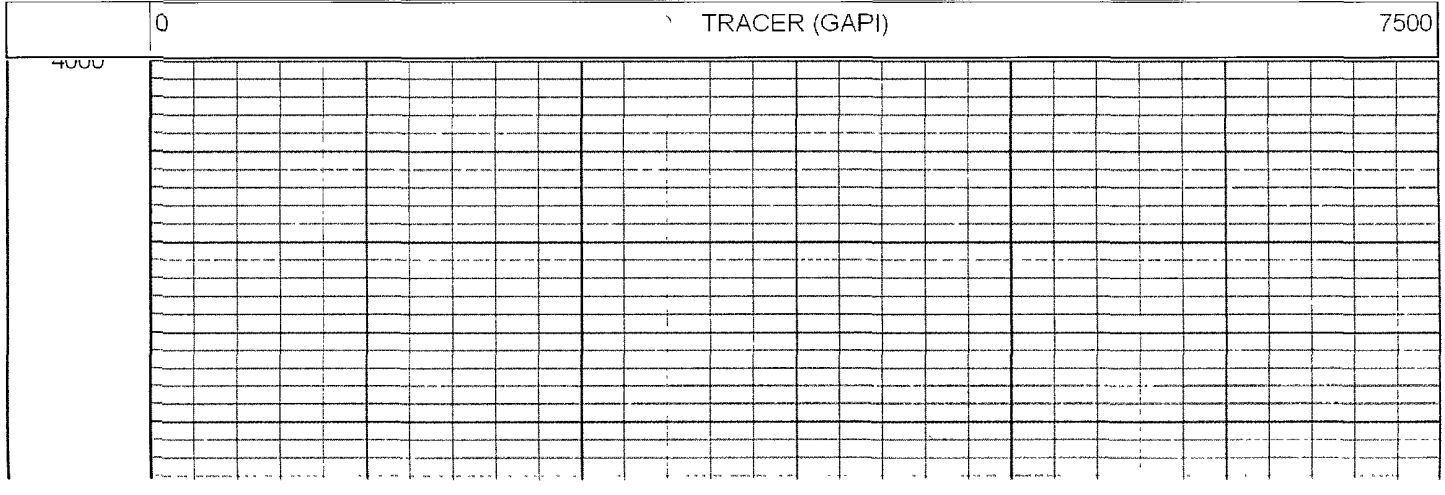
#11
421 B/D
14 27 24
4300
#12
426 B/D
14 32 16

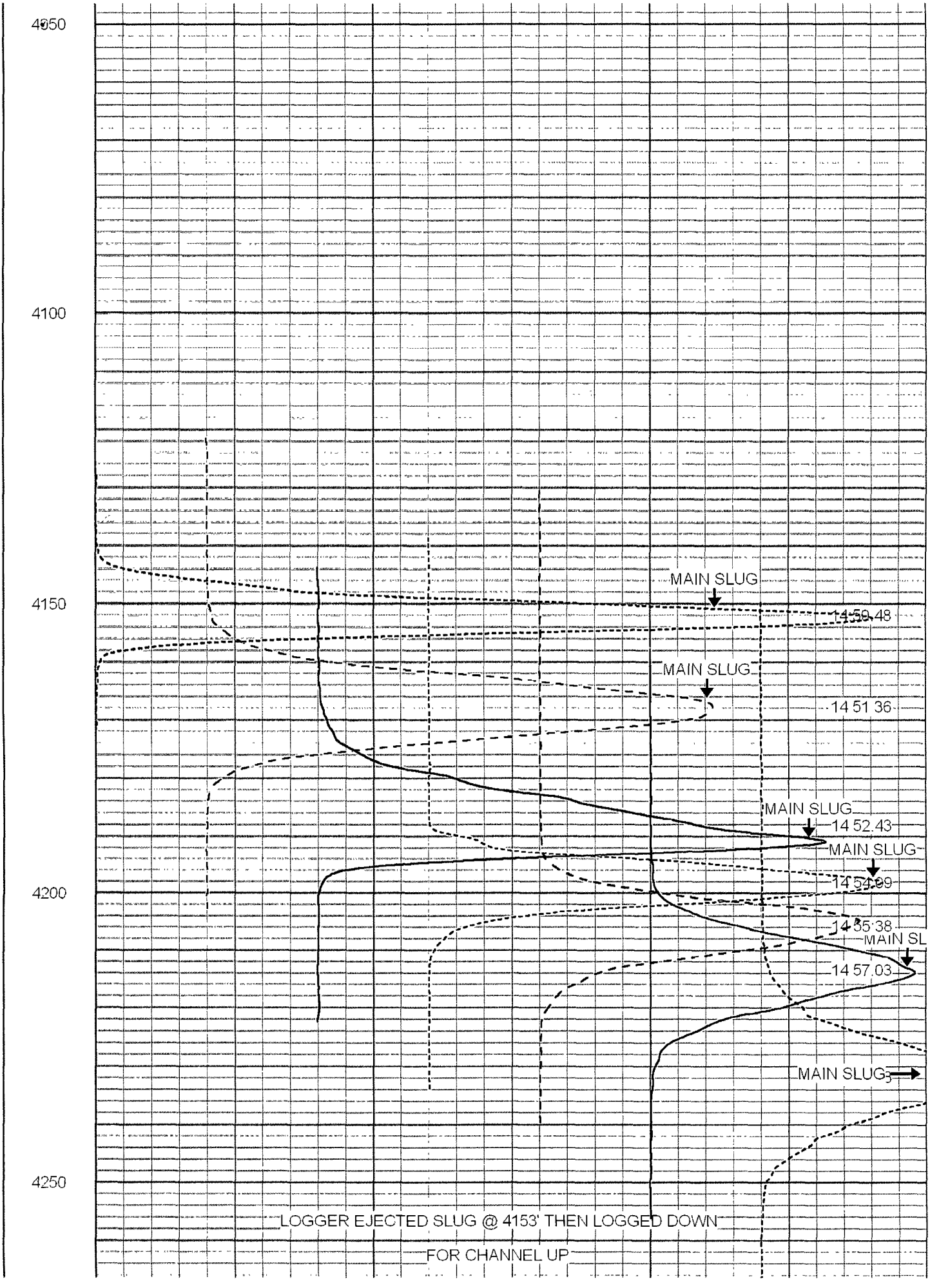


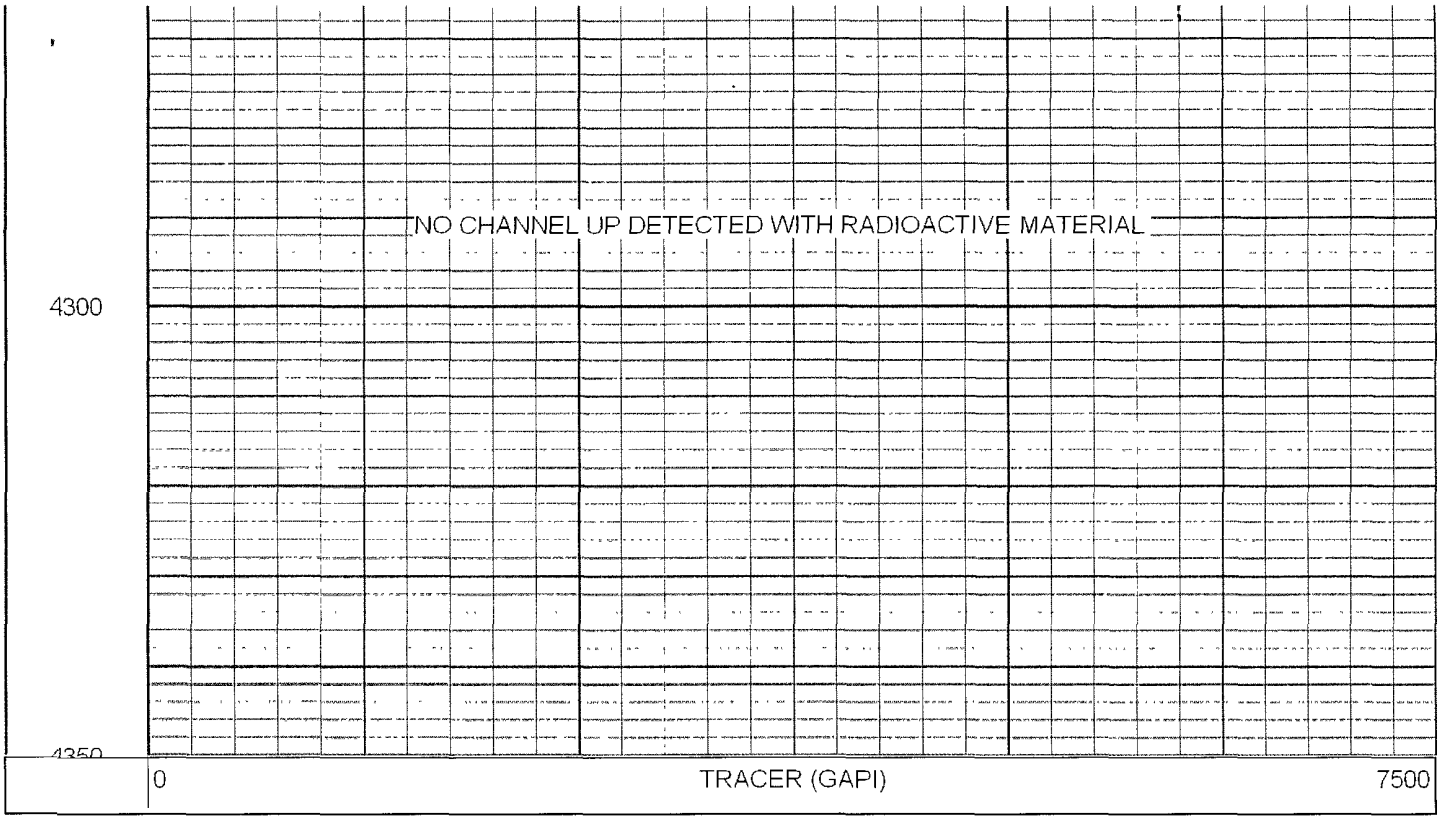
GRAY WIRELINE

CHANNEL UP CHECK

Database File:	avalon1 db
Dataset Pathname:	AVALON/1/CHANUP/_profile1_
Presentation Format:	trcprof
Dataset Creation	Wed Sep 23 15 03.33 2009
Charted by:	Depth in Feet scaled 1:240

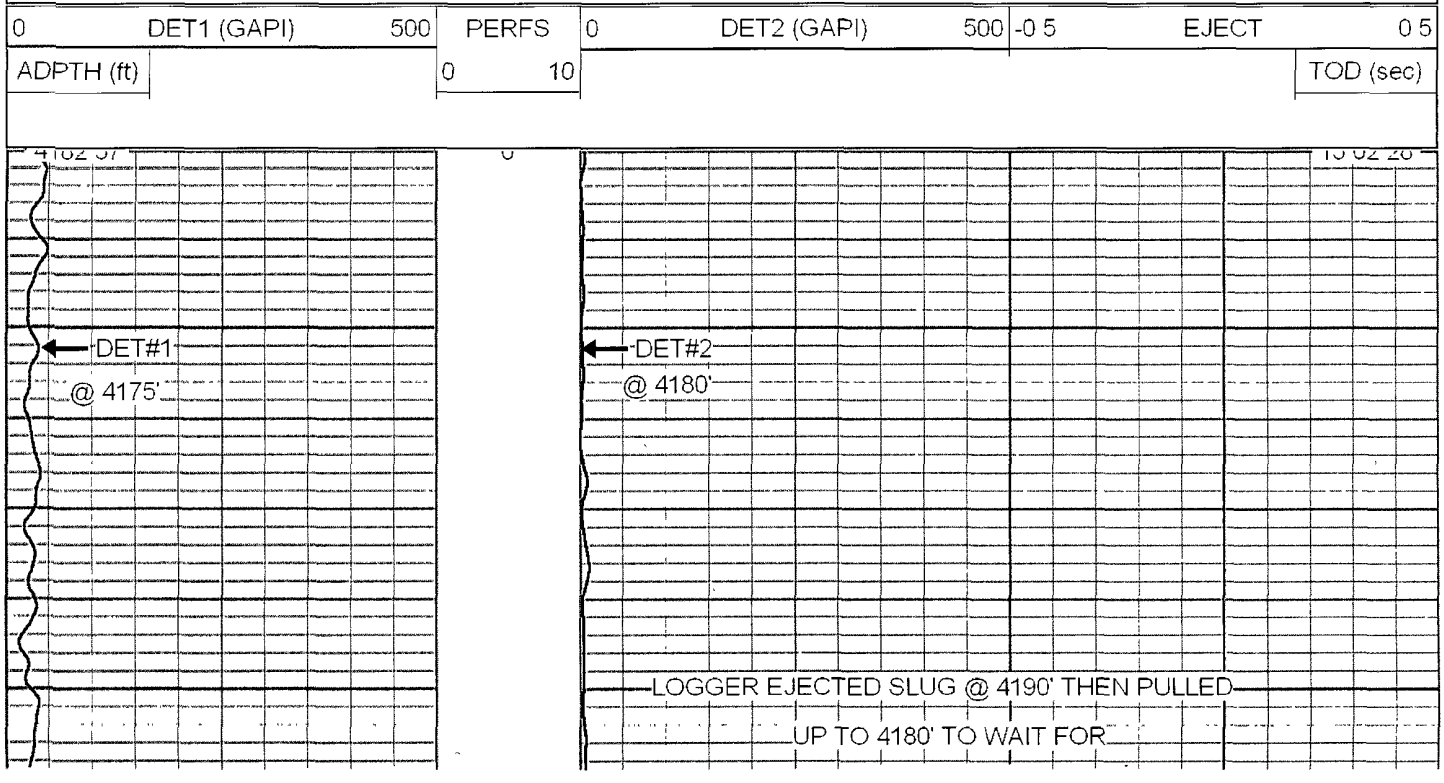


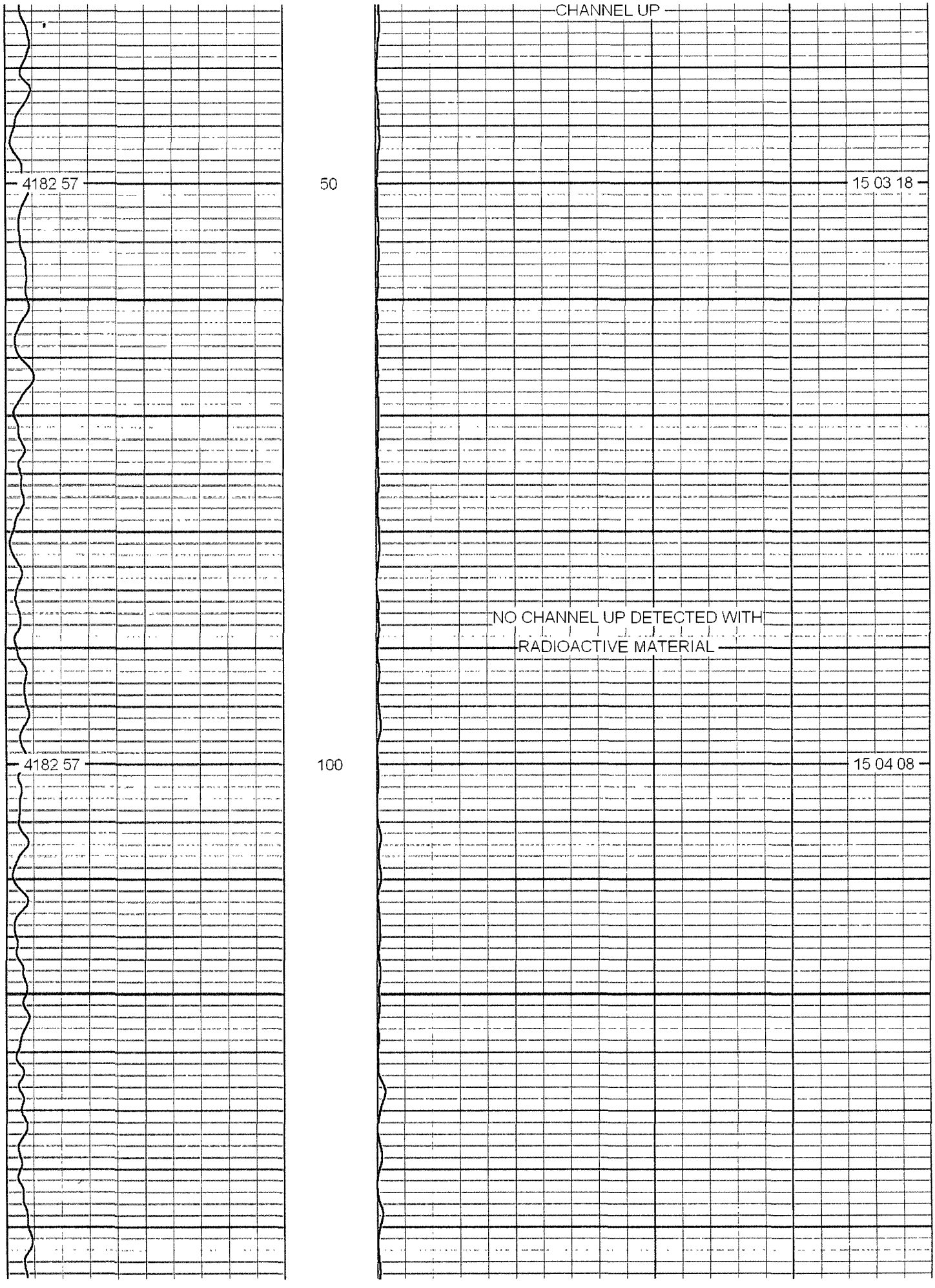

4050
4100
4150
4200
4250
MAIN SLUG
14 59 48
MAIN SLUG
14 51 36
MAIN SLUG
14 52 43
MAIN SLUG
14 54 09
14 55 38
MAIN SL
14 57 03
MAIN SLUG
LOGGER EJECTED SLUG @ 4153' THEN LOGGED DOWN
FOR CHANNEL UP

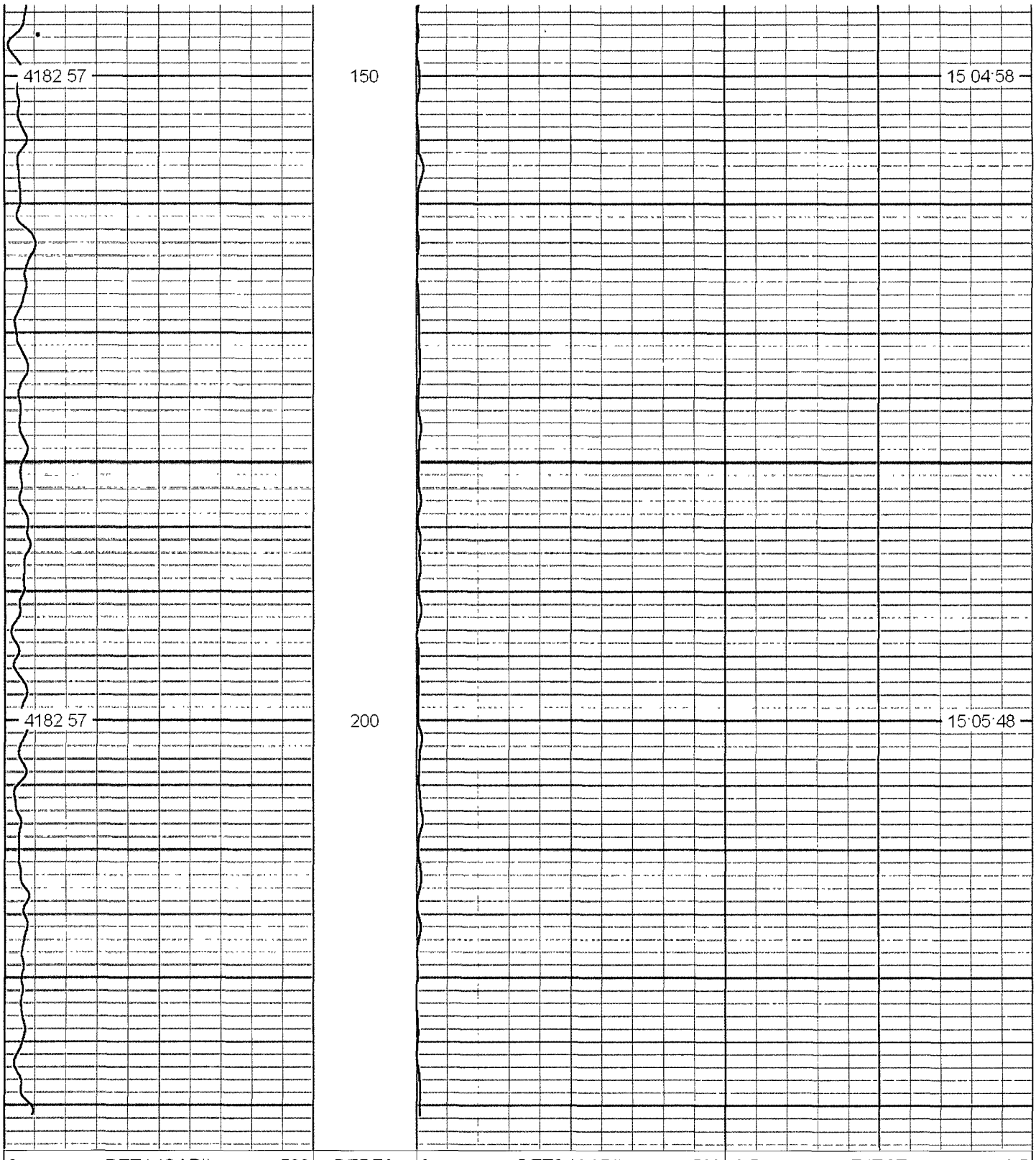


STATIONARY CHANNEL UP CHECK

Database File	avalon1.db
Dataset Pathname	AVALON/1/CHANUP2/pass1
Presentation Format.	tracer
Dataset Creation:	Wed Sep 23 15 02 27 2009 by Log Std Casedhole 07122
Charted by	Time scaled 360"/hour




CHANNEL UP
4182 57
50
15 03 18
NO CHANNEL UP DETECTED WITH
RADIOACTIVE MATERIAL
4182 57
100
15 04 08



GRAY WIRELINE

EJECTED SLUGS DRAG ON DEPTH

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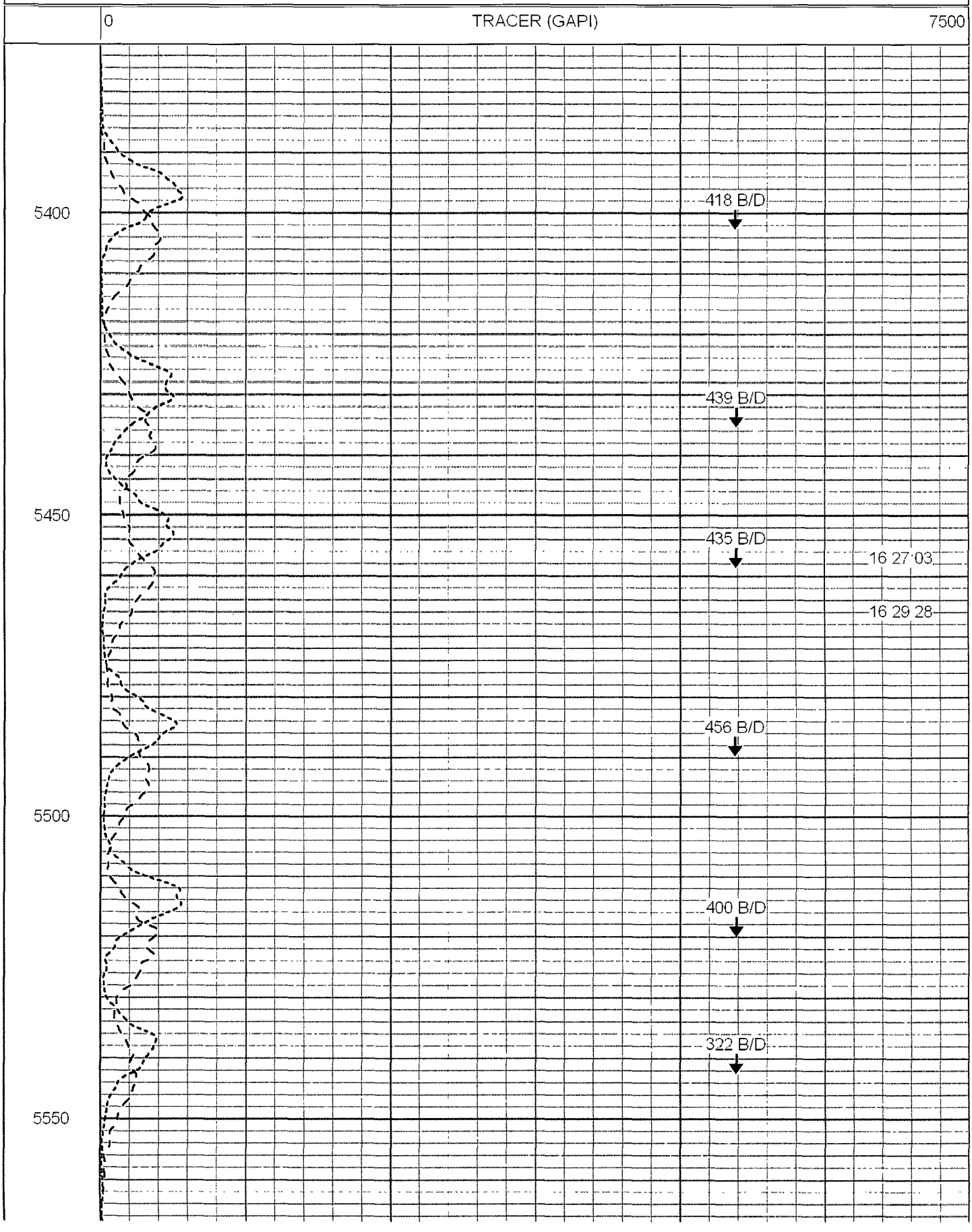
Dataset Pathname.	AVALON/1/SLUGS2/_profile1_
Presentation Format	troprof
Dataset Creation	Wed Sep 23 16 30 21 2009
Charted by:	Depth in Feet scaled 1:240



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EJECTED SLUGS DRAG ON DEPTH

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Dataset Creation	Wed Sep 23 16:11.50 2009
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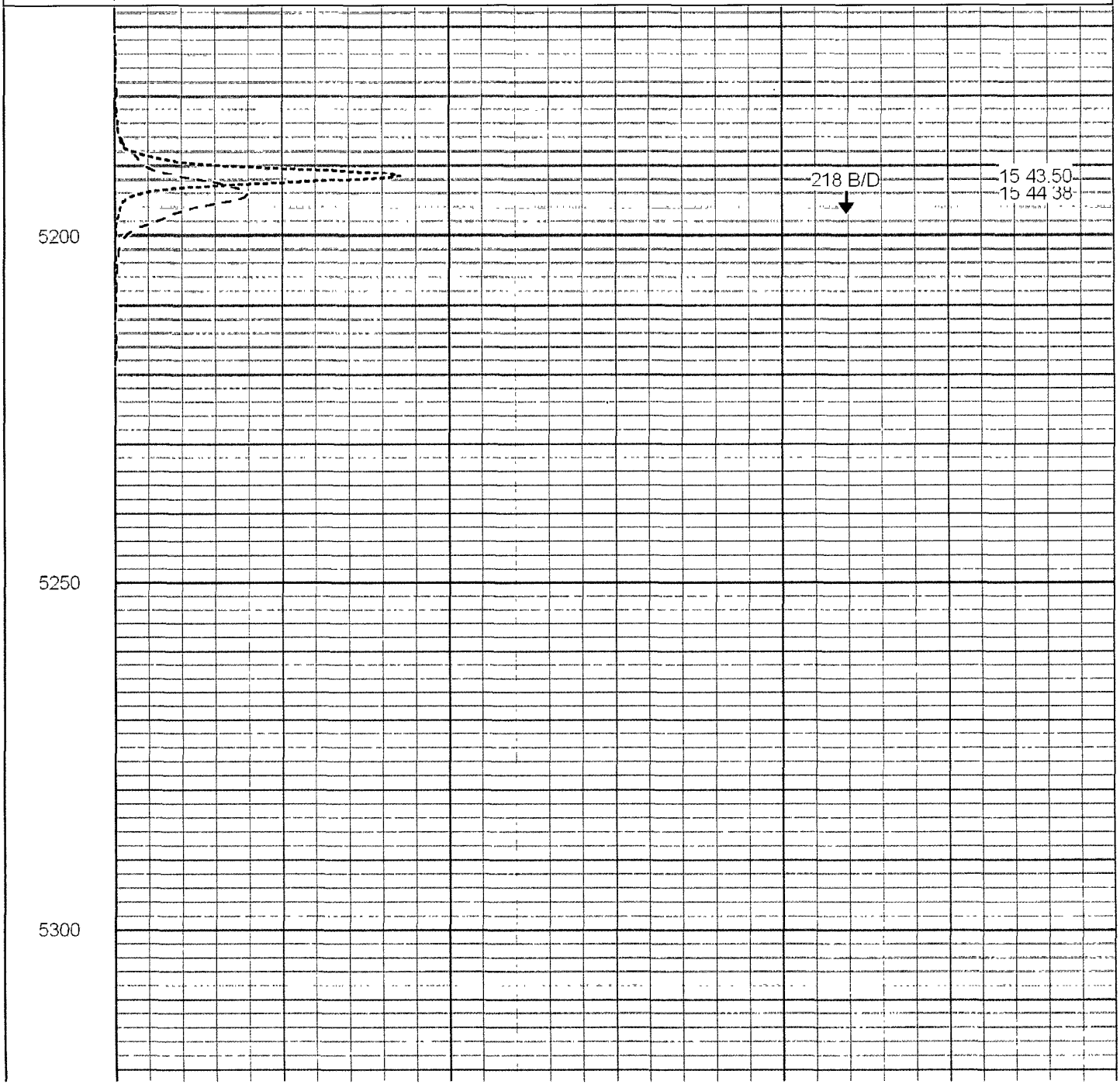

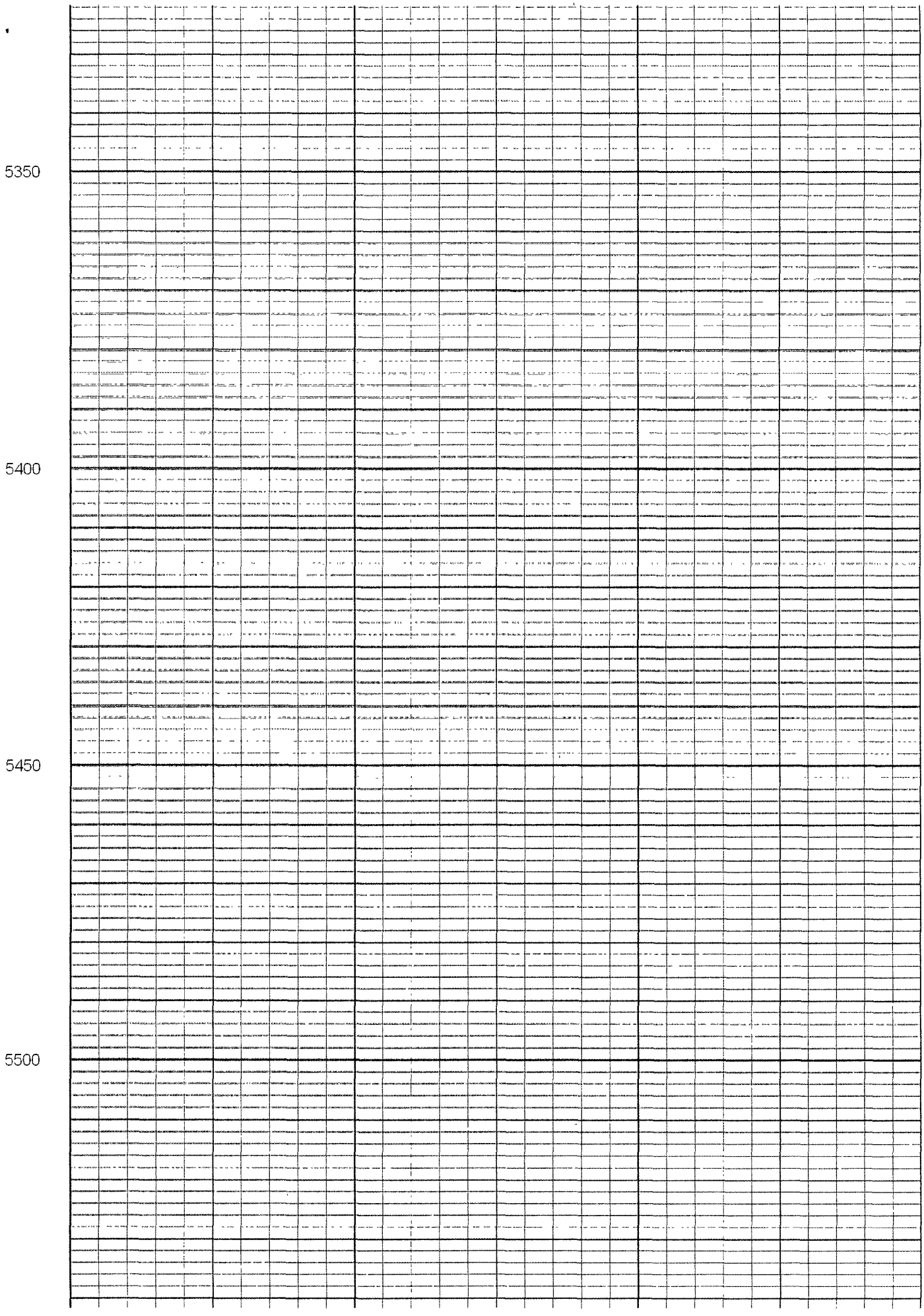
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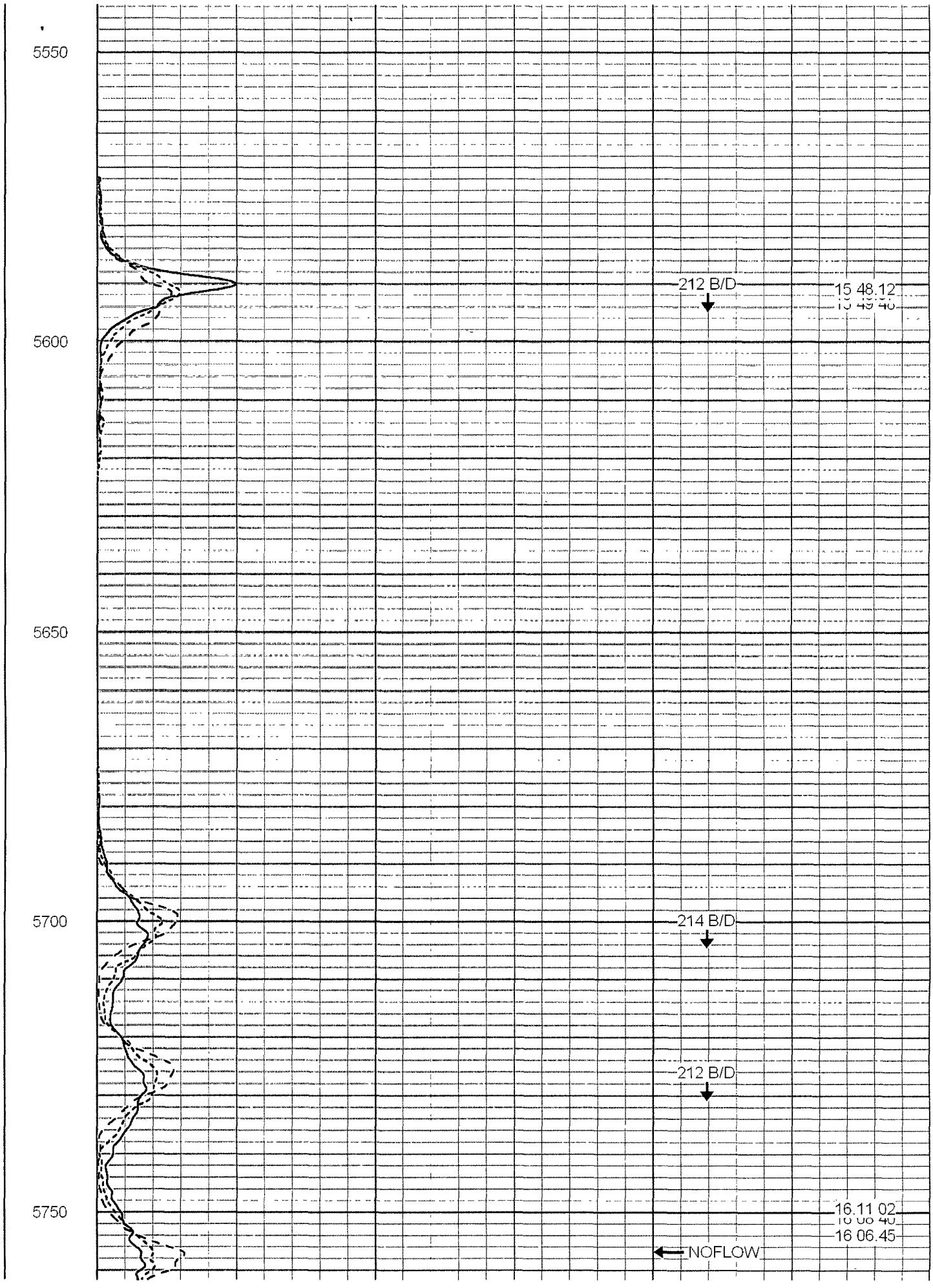
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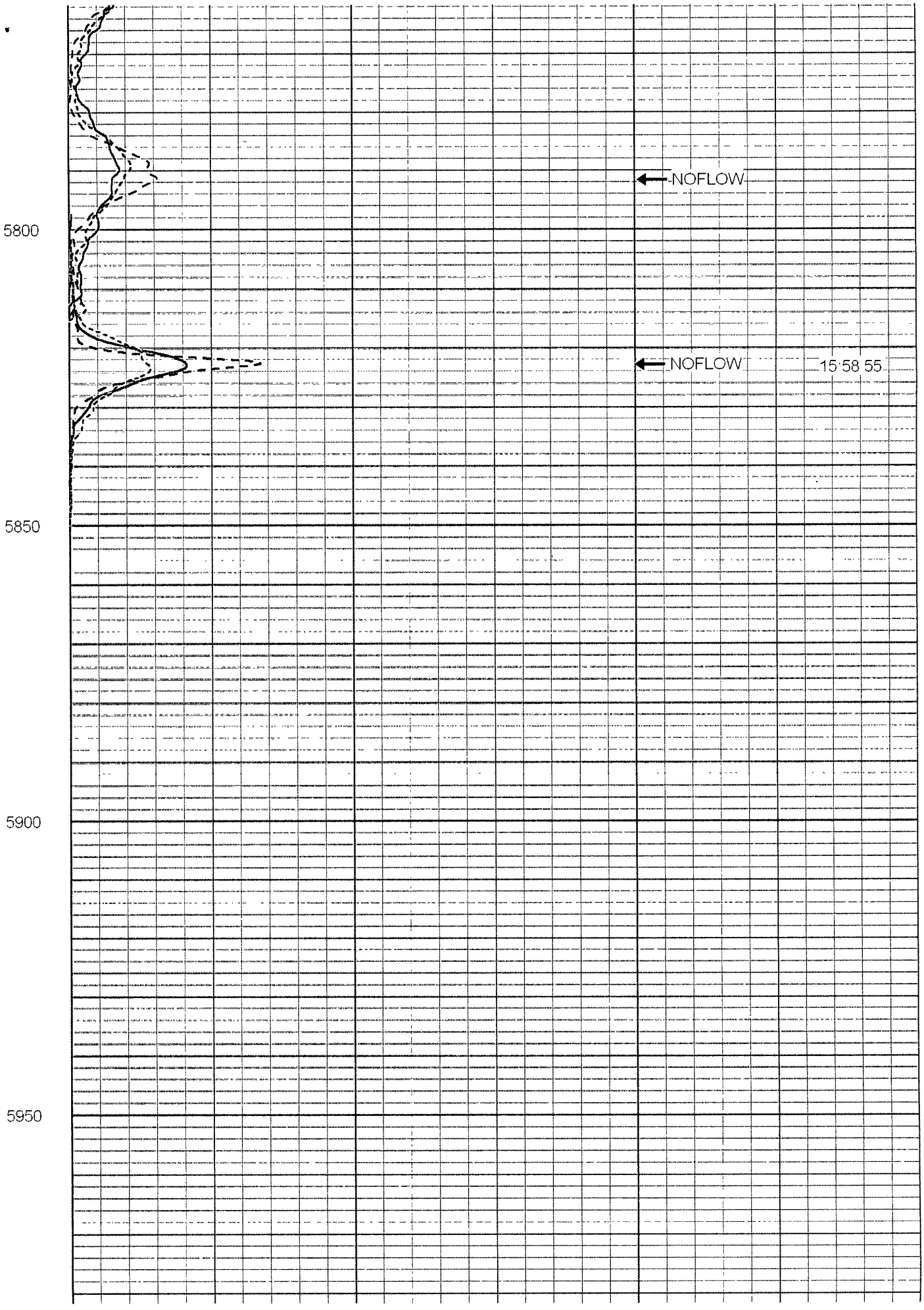
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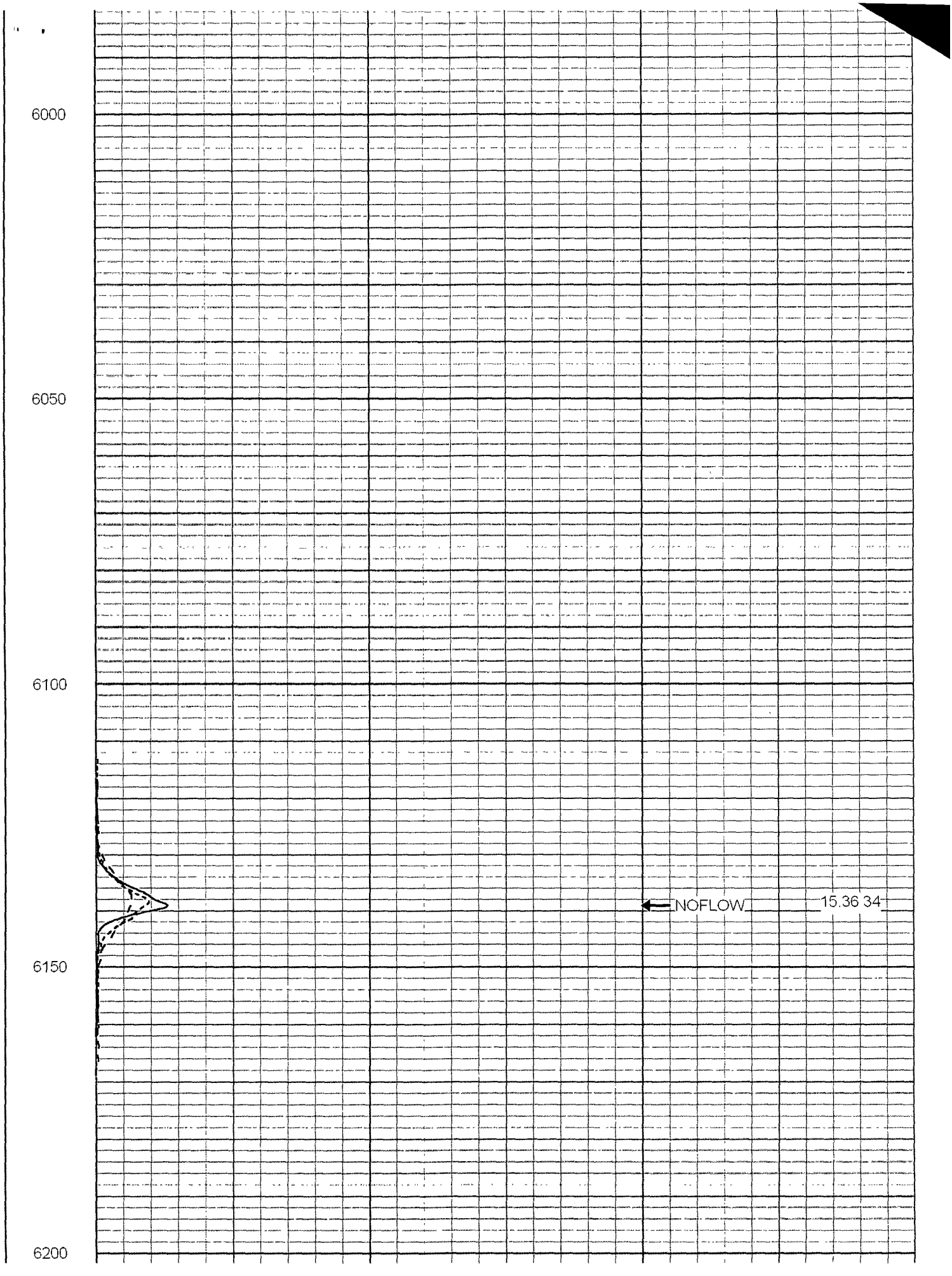
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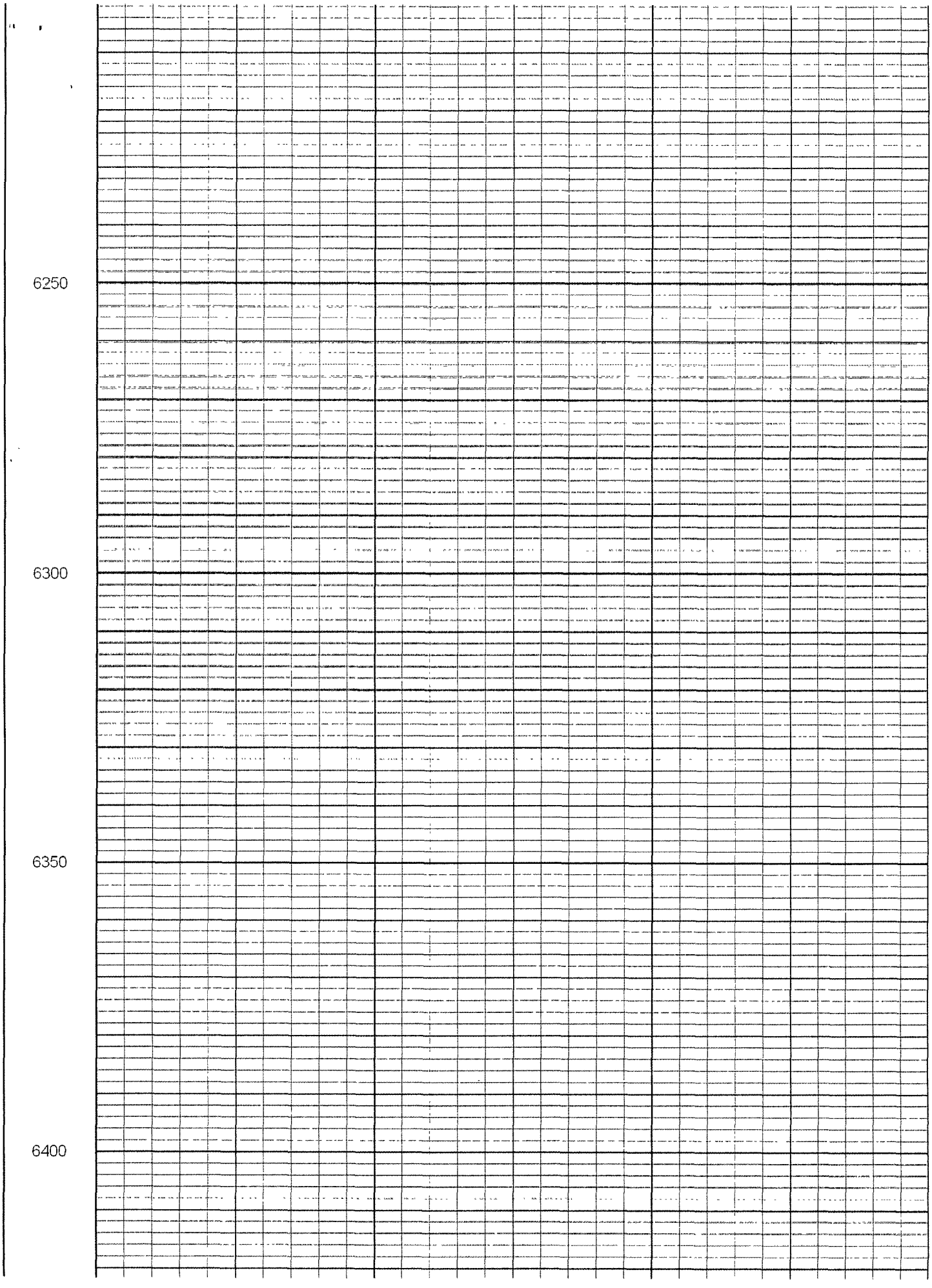
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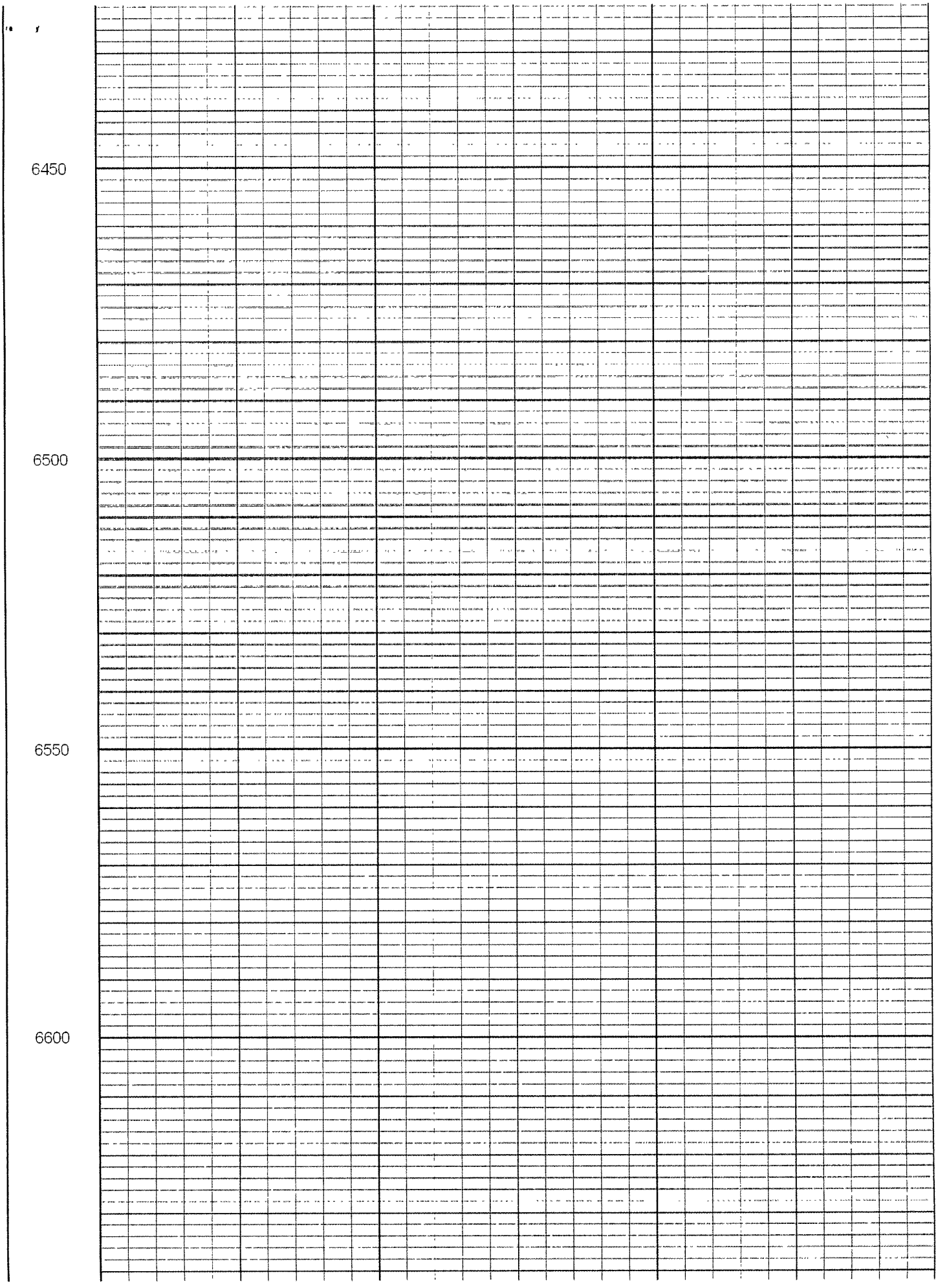
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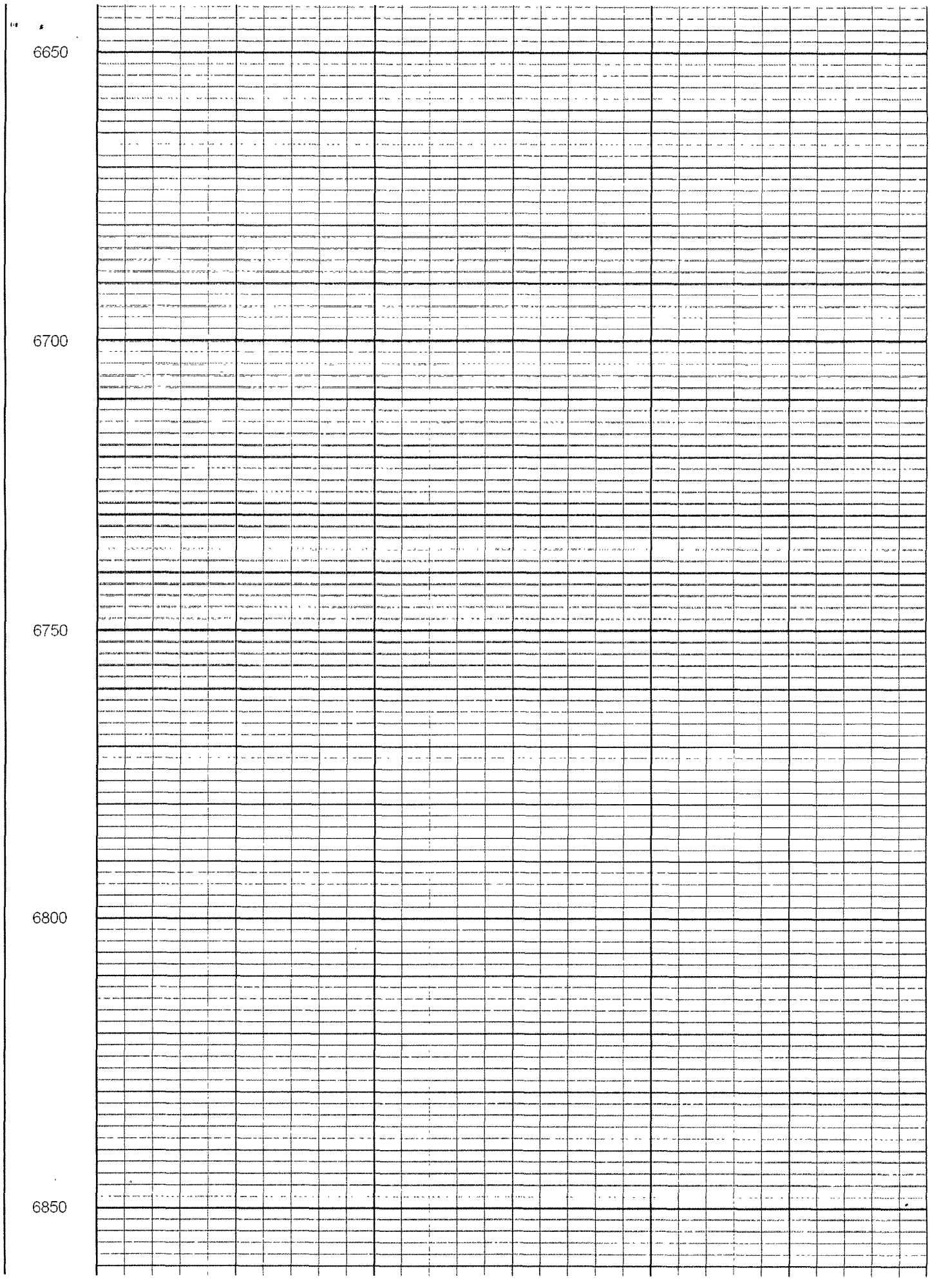
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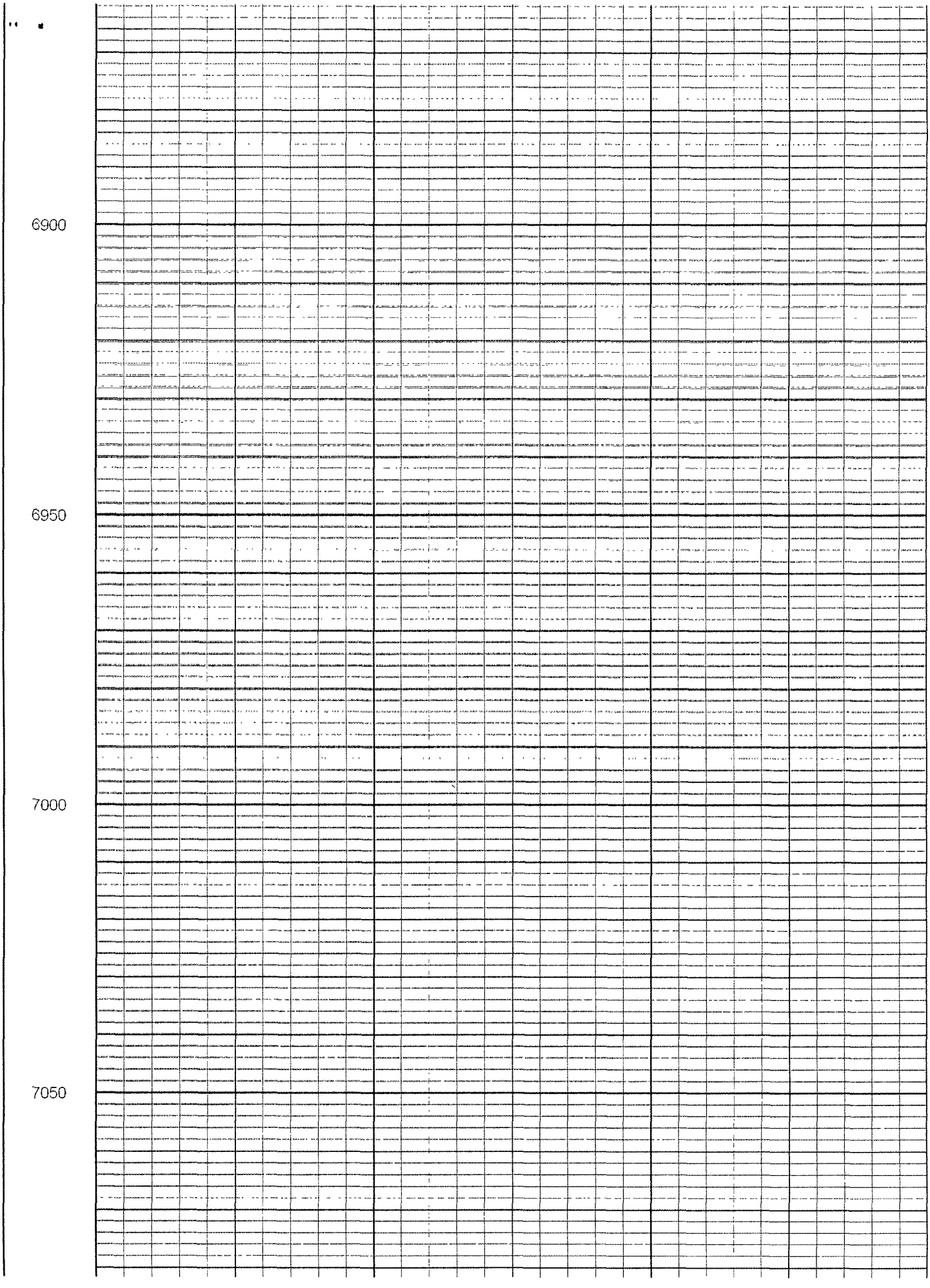
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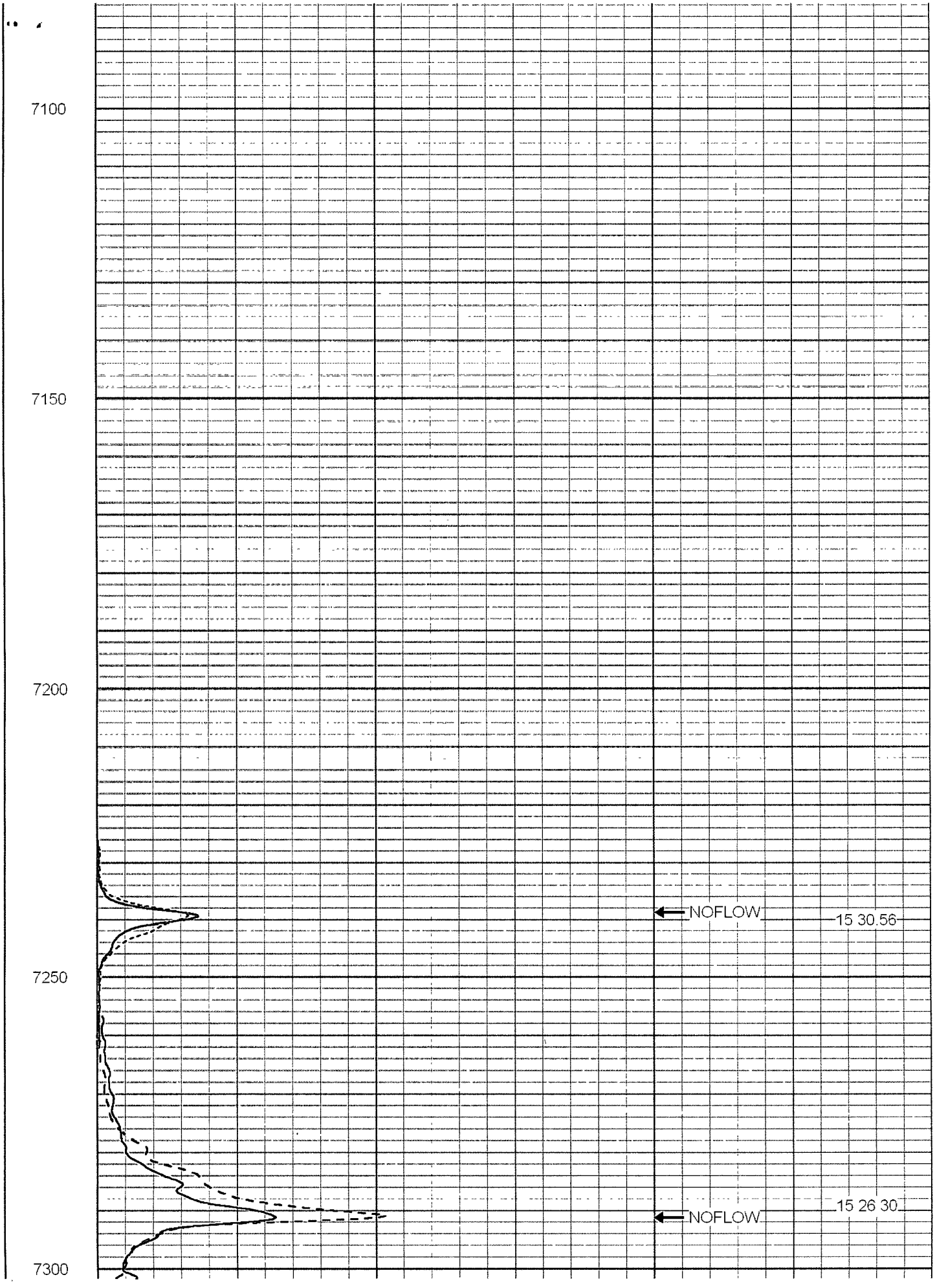
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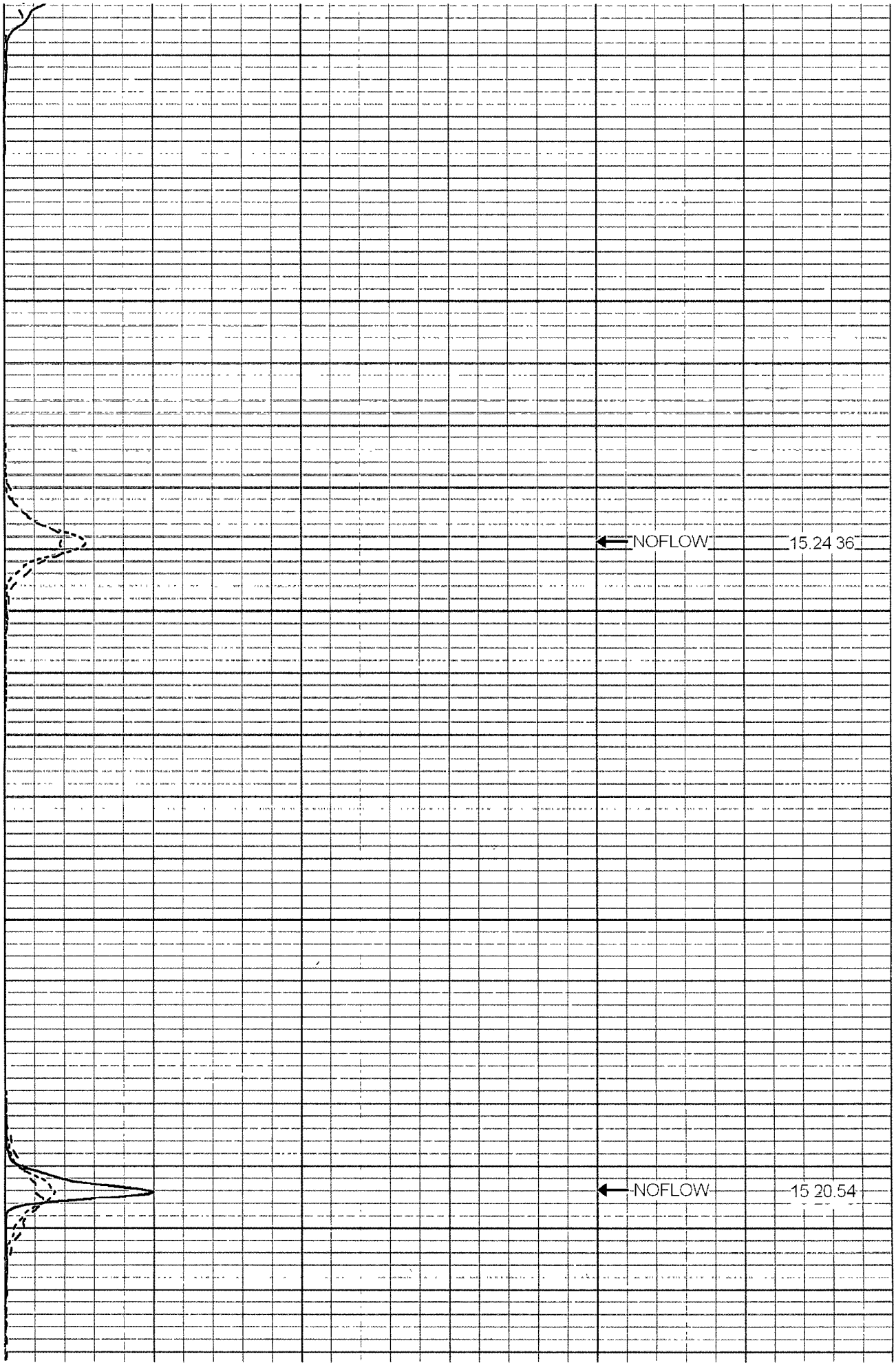
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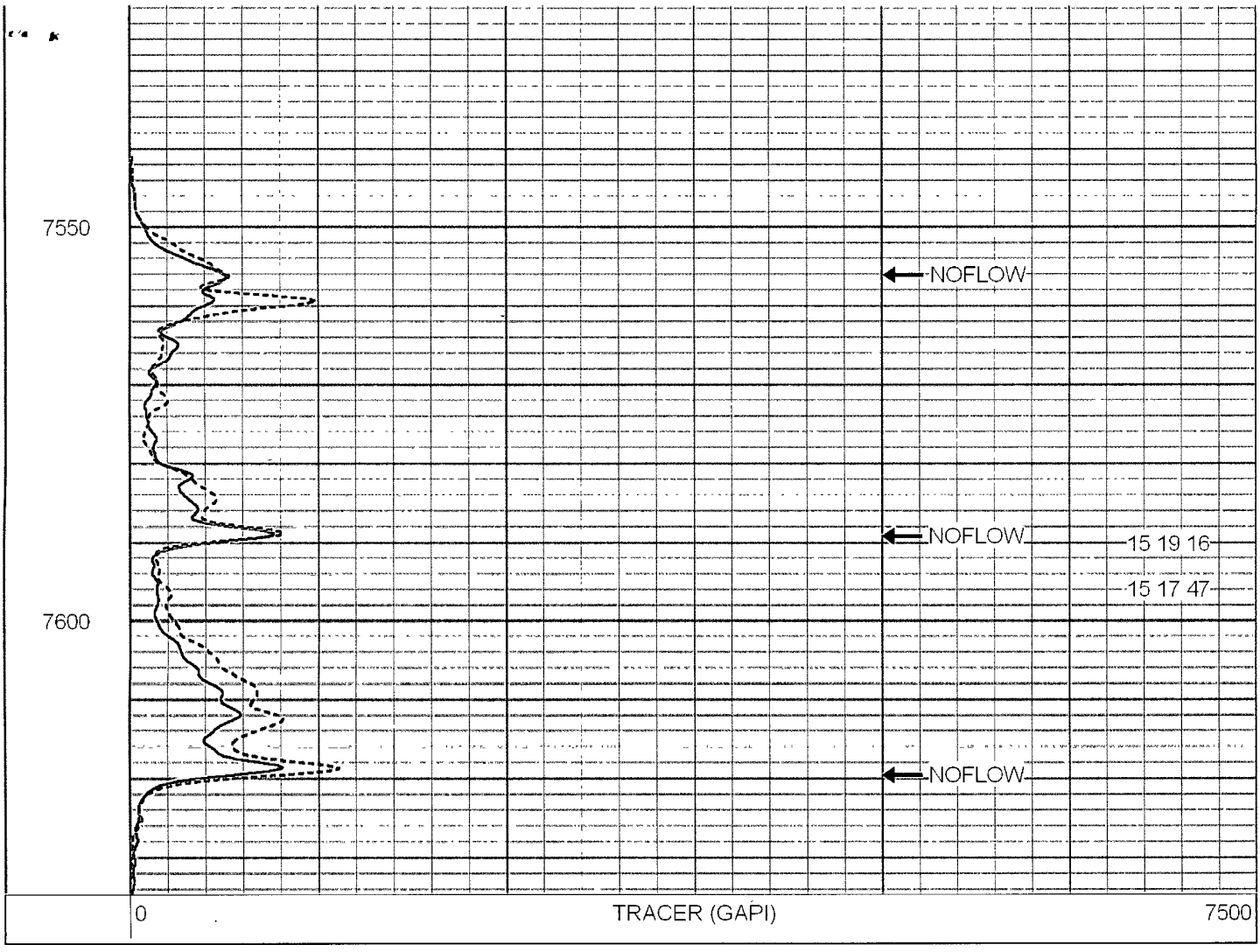
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TRACER (GAPI)
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