



Baker Atlas



FILE NO:	COMPANY	WOODSIDE ENERGY LTD.
API NO:	WELL	HALLADALE-1 DW3
VIC/P37(V)	FIELD	HALLADALE
	RIG NAME	OCEAN PATRIOT
		COUNTRY AUSTRALIA
Ver. 3.87	LOCATION:	OTHER SERVICES
SCALE 1:200	LAT: 38 DEG 34' 45.54" S	NONE
FINAL PRINT	LONG: 142 DEG 43' 50.95" E	
GDA94 MGAS4	EASTING: 650763.2 M	
CM 141 DEG (E)	NORTHING: 5728485.2 M	
PERMANENT DATUM	LAT	ELEVATION
LOG MEASURED FROM	RT	21.5 M
DRILL MEAS. FROM	RT	ABOVE P.D.
		KB
		DF 21.5 M
		GL -44.8 M

DATE	25-APR-2005
RUN	TRIP
SERVICE ORDER	516573
DEPTH DRILLER	1969 M
DEPTH LOGGER	NOT LOGGED
BOTTOM LOGGED INTERVAL	1938 M
TOP LOGGED INTERVAL	750 M
CASING DRILLER	9.625 IN
CASING LOGGER	832.5 M
BIT SIZE	8.5 IN
TYPE OF FLUID IN HOLE	AQUA - DRILL
DENSITY	1.26 G/C3
PH	9
SOURCE OF SAMPLE	FLOWLINE
RM AT MEAS. TEMP.	0.078 OHMM
RMF AT MEAS. TEMP.	0.0754 OHMM
RMC AT MEAS. TEMP.	0.091 OHMM
SOURCE OF RMF	MEASURED
RM AT BHT	0.0315 OHMM
TIME SINCE CIRCULATION	13 HRS. 30 MIN
MAX. RECORDED TEMP.	82.7 DEGC
EQUIP. NO.	8677
RECORDED BY	M. REYES / S. ARELLANO
WITNESSED BY	S. BILLEAU/C.MENHENITT

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
36 IN	66.3 M	69 M
17.5/36	69 M	101 M
17.5 IN	101 M	427 M
12.25 IN	427 M	839 M
8.5 IN	839 M	1969 M

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
30 IN	310 LB/F		0 M	99.5 M
13.375 IN	72 LB/F		0 M	421 M
9.675 IN	47 LB/F	L-80	0 M	834 M

REMARKS

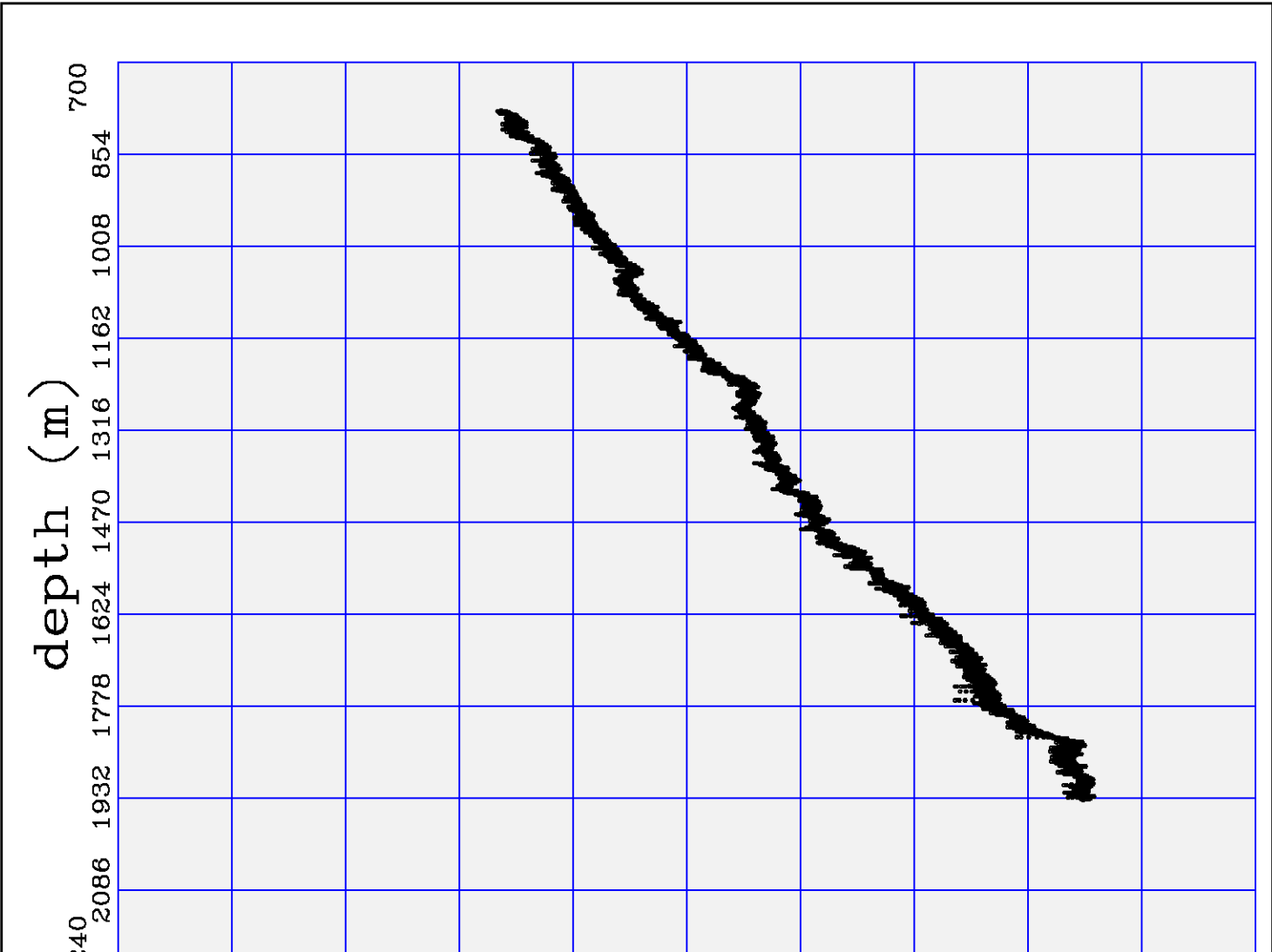
- RUN 1 TRIP 1 :
- LOG CORRELATED TO XMAC11/GR BY BAKER ATLAS DATED 18-APR-2005
 - CIRCULATION STOPPED AT 8:46 ON 25-APR-2005.
 - TOOL ZEROED 25/4/2005 AT 18:24 WITH A TIDAL WAVE CORRECTION OF 0.6M.
 - TD NOT LOGGED.
 - CASING LOGGED @ 832.5M
 - ADDITIONAL MUD PROPERTIES:

BARITE: 0% ; KCL: 9.5%
CHLORIDES: 51000 MG/L

- MAX DEVIATION = 30.33 DEG @ 1597.7 M (PROVIDED BY CUSTOMER)
- MAXIMUM TEMPERATURE READING FROM THERMOMETERS: 82.7 DEGC
T1= 82.7 DEGC; T2= 82.7 DEGC; T3= 82.7 DEGC

- *. DISTANCE FROM THE PACKER TO THE PRESSURE GAUGE: 72.5" (1.84 MTS)
- *. PRESSURE READINGS ARE TEMPERATURE CORRECTED
- *. PRESSURE READINGS CORRECTED FOR THE FLUID COLUMN BETWEEN THE PACKER AND THE GAUGE, UTILISING MUD WEIGHT PROVIDED IN MUD REPORT, AND ASSUMING A 28.8 DEG DEVIATION IN THE LOG INTERVAL. HENCE, CORRECTED PRESSURE CURVE (PLCOR) PRESENTED IN THE PLOTS
- *. DRAWDOWN VOLUMES, REPEAT DRAWDOWNS, SET-TIME AND PUMP-OUT TIME SPECIFIED BY CUSTOMER
- *. PRESSURE SUMMARY
PRESSURES ATTEMPTED: 10
EFFECTIVE SEALS: 10
PRESSURES ACQUIRED: 10
REPEAT DRAWDOWNS: 0
NO FLOW OR LOW FLOW (TIGHT) TESTS: 0
- *. GR RECORDED FROM 1938 M TO 750 M AFTER ALL PRESSURES WERE TAKEN (BY CUSTOMER REQUEST), TO TIE IN TO DW1/DW2 LOGS

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	SWIVEL	3944XB	10134437	FREE
1	1	DHPA	4430XB	369772	1.5" STAND OFF
1	1	TIRM	3981XA	10045149	FREE
1	1	COMM REMOTE	3514XB	117394	DECNTRALIZED
1	1	GR/DSL	1329XB	176992	1.5" STAND-OFF
1	1	RCI CB	1970CB	10055564	FREE
1	1	RCI EB	1970EB	154341	FREE
1	1	RCI BB	1970BB	369734	STAND OFF
1	1	RCI MB	1970MB	154356	PACKER
1	1	WTS X-OVER	1972XA	10058587	FREE



wtbh (degC)

RCI DRAW DOWN SECTION

Series : 1870BB
Hysonic : RCI
Diameter : 4.75"

RCI SINGLE PACKER SECTION

Series : 1870MB
Hysonic : RCI
Diameter : 4.75"

RCI WTS CROSSOVER SUB

Series : 1872KA

BULL PLUG 3 1/8

TOTAL LENGTH: 19.73 m

MAX DIAMETER: 0"4.75"

PACKER MP 0.78 m

0.00 m

PRESSURE SUMMARY REPORT – TRIP [01]

Meta File: packer-01.psr.meta

RESERVIOR CHARACTERIZATION INSTRUMENT PRESSURE TEST SUMMARY REPORT

COMPANY NAME	WOODSIDE ENERGY LTD	RUN	1
WELL NAME	HALLADALE-1 DW3	OPERATION	1
FIELD	HALLADALE	TRIP	1
REPORT DATE/TIME	Fri May 13 10:03:40 2005		
PACKER	5 to 23 (in)	PROBE I.D.	0.720 (in)
EXTENSION KIT	6.75 to 17 (in)	FILTER SIZE	0.045 (in)
FLOW CONTROL	Pump	RUBBER DUROMETER	080
GAUGE USED	PACKER	UPPER TANK VOL.	(L)
SNORKEL FACTOR	0.75	LOWER TANK VOL.	(L)

TEST NO.	FILE NO.	MEASURED DEPTH (m)	TVD DEPTH (m)	PUMPED VOLUME (cm3)	SANDFACE PRESSURE (psi)	FLOWING PRESSURE (psi)	FINAL BUILDUP PRESSURE (psi)	HYDRO-STATIC BEFORE (psi)	HYDRO-STATIC AFTER (psi)	DRAWDOWN PERMEABILITY (mD)	CHAMBER USED	
												REMARKS
3	06	1871.7	1795.2	9.9	2589.1	2576.7	2589.1	3287.0	3287.0	455.6	D	OK. T=81.4 DEGC
4	07	1873.3	1796.6	10.0	2591.0	2574.5	2591.0	3289.5	3289.4	371.5	D	OK. T=81.7 DEGC

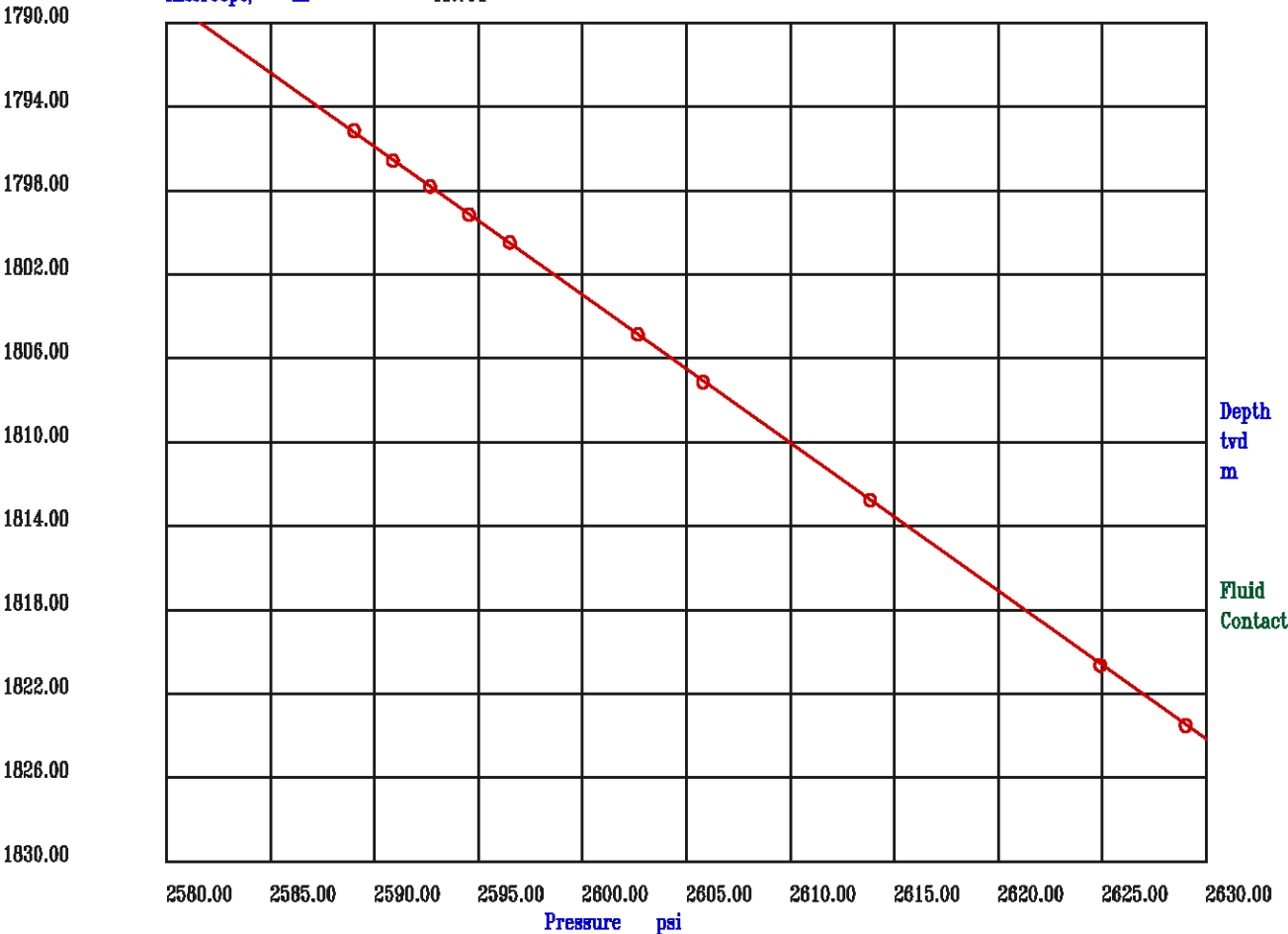
5	08	1874.7	1797.9	10.2	2592.7	2558.8	2592.7	3291.7	3291.6	164.3	D	OK. T=82.2 DEGC
6	09	1876.3	1799.2	10.1	2594.6	2591.4	2594.6	3294.4	3294.3	1708.0	D	OK. T=82.5 DEGC
7	10	1877.8	1800.5	10.1	2596.6	2559.7	2596.6	3296.8	3296.5	180.9	D	OK. T=82.7 DEGC
8	11	1882.7	1804.9	10.0	2602.7	2597.4	2602.7	3304.6	3304.7	1095.0	D	OK. T=83.0 DEGC
9	12	1885.3	1807.2	9.9	2605.8	2593.5	2605.8	3309.1	3309.0	472.0	D	OK. T=83.2 DEGC
10	13	1891.8	1812.8	10.1	2613.9	2601.2	2613.9	3319.0	3319.2	506.6	D	OK. T=83.4 DEGC
11	14	1900.8	1820.7	10.0	2624.9	2614.8	2624.9	3333.2	3333.1	586.0	D	OK. T=83.6 DEGC
12	15	1904.2	1823.6	10.1	2629.1	2613.5	2629.1	3338.5	3338.5	357.3	D	OK. T=83.8 DEGC

PRESSURE GRADIENT ANALYSIS – TRIP [01]

Meta File: i800a-01_1.qd2.meta

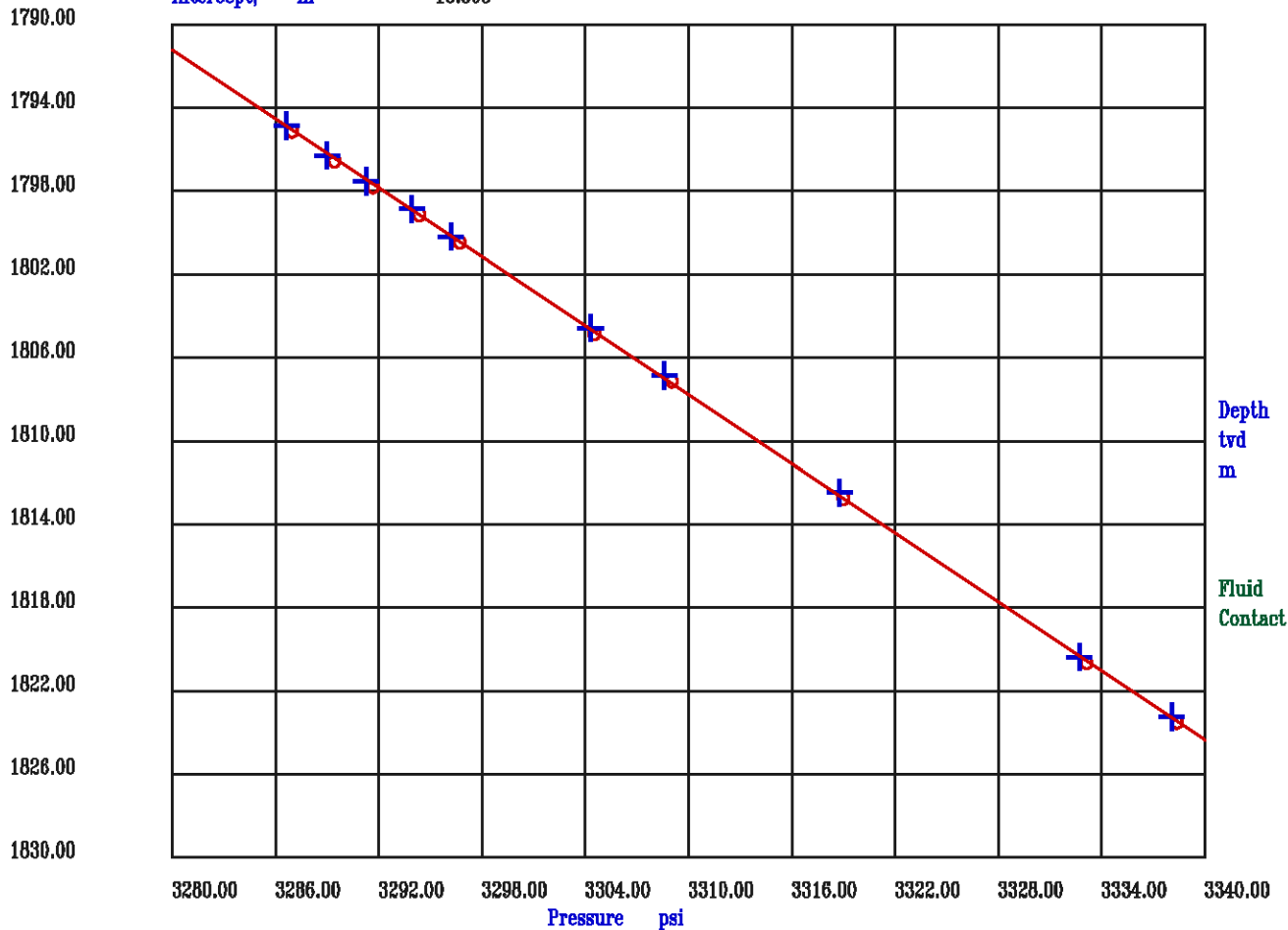
DRAWDOWN: PACKER FBU PRESSURE vs. DEPTH i800a-01_1.qd2.meta

Line#1
Start Depth, m 1793.907
End Depth, m 1828.680
Gradient, psi/m 1.409
Intercept, m -41.791



i800a-01_1.qd4.meta

Start Depth, m	1794.128
End Depth, m	1827.130
Gradient, psi/m	1.815
Intercept, m	-16.308

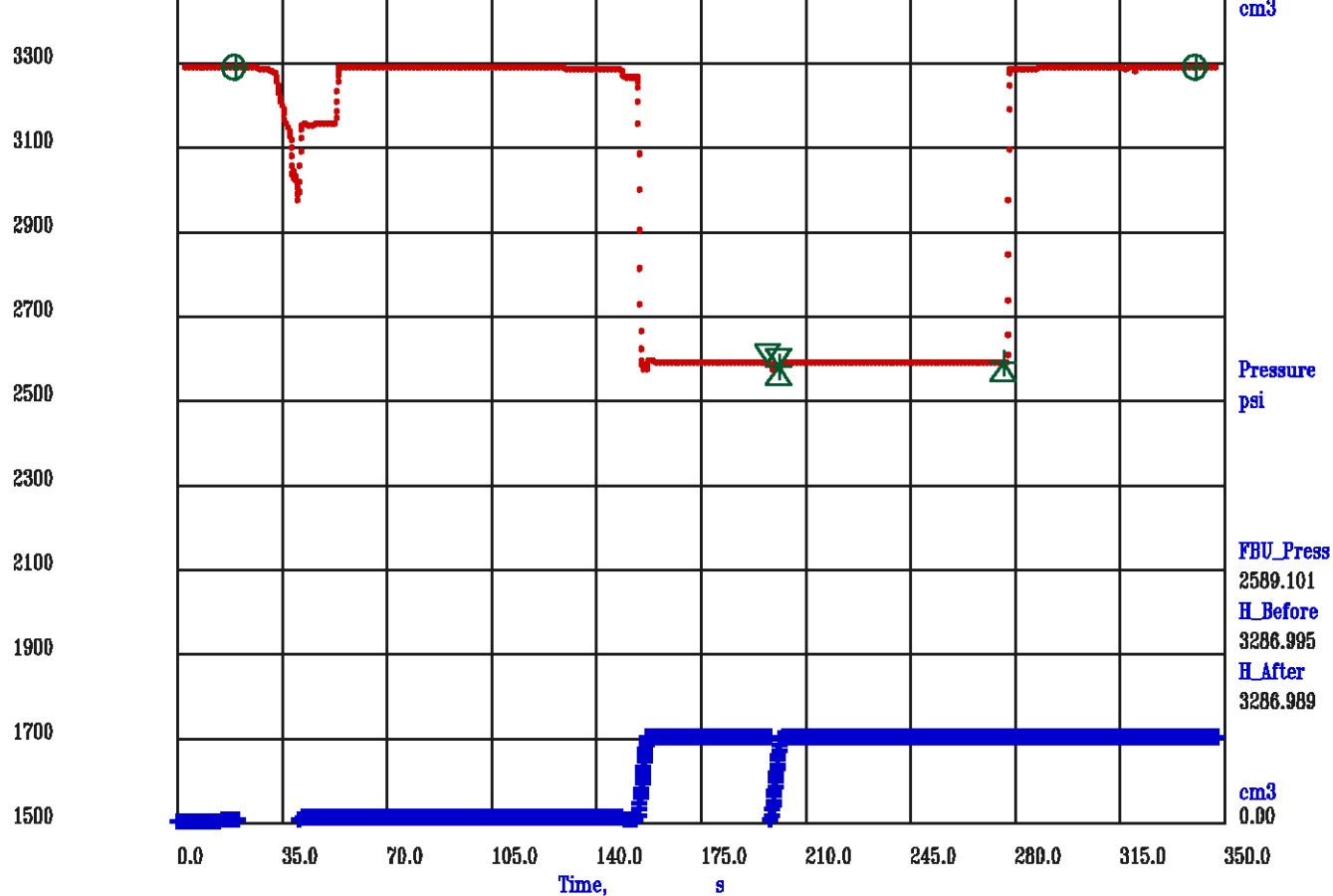


PRESSURE TEST – TVD Depth 1795.2 m
Measured Depth 1871.7 m

i800a06_0.qd1.meta

DD Start,	s	198.000	SF Press,	psi	2589.101	Flow Rate,	cm3/s	2.966
DD End,	s	201.375	FF Press,	psi	2576.691	DD Volum,	cm3	9.946
HU Start,	s	201.375	Kdd Perm,	mD	455.647	Fill Rate,	min/L	0.027
HU End,	s	276.750	kdd/u,	mD/cP	455.647	Time Est.UT,	s	0.108
								100.00

100.00



PRESSURE TEST – TVD Depth 1796.6 m
Measured Depth 1873.3 m

Meta File: i800a07_0.qd1.meta

DRAWDOWN: PACKER

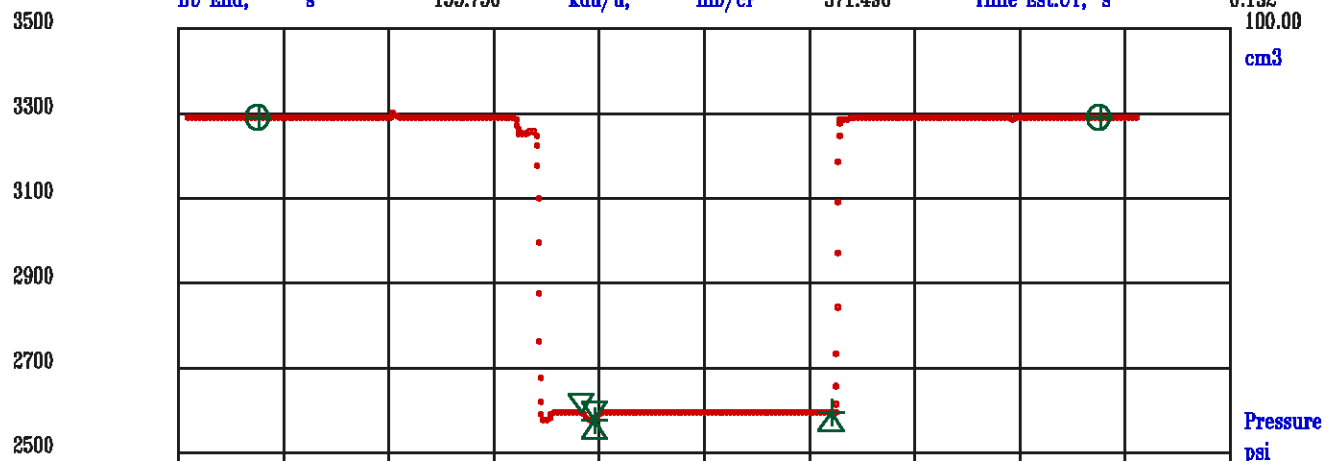
Measured Depth, m 1873.3

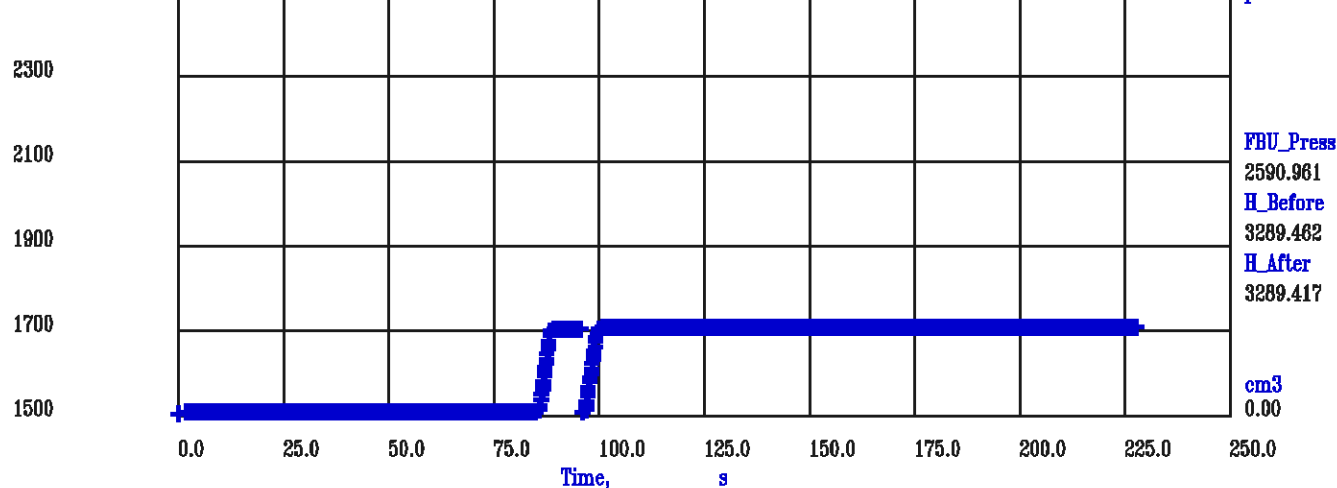
TVD Depth, m

i800a07_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	96.250	SF Press,	psi	2590.961	Flow Rate,	cm3/s	3.207
DD End,	s	99.375	FF Press,	psi	2574.502	DD Volum,	cm3	9.958
BU Start,	s	99.375	Kdd Perm,	mD	371.496	Fill Rate,	min/L	0.033
BU End,	s	155.750	kdd/u,	mD/cP	371.496	Time Est.UT, s		0.132





PRESSURE TEST – TVD Depth 1797.9 m
Measured Depth 1874.7 m

Meta File: i800a08_0.qd1.meta

DRAWDOWN: PACKER

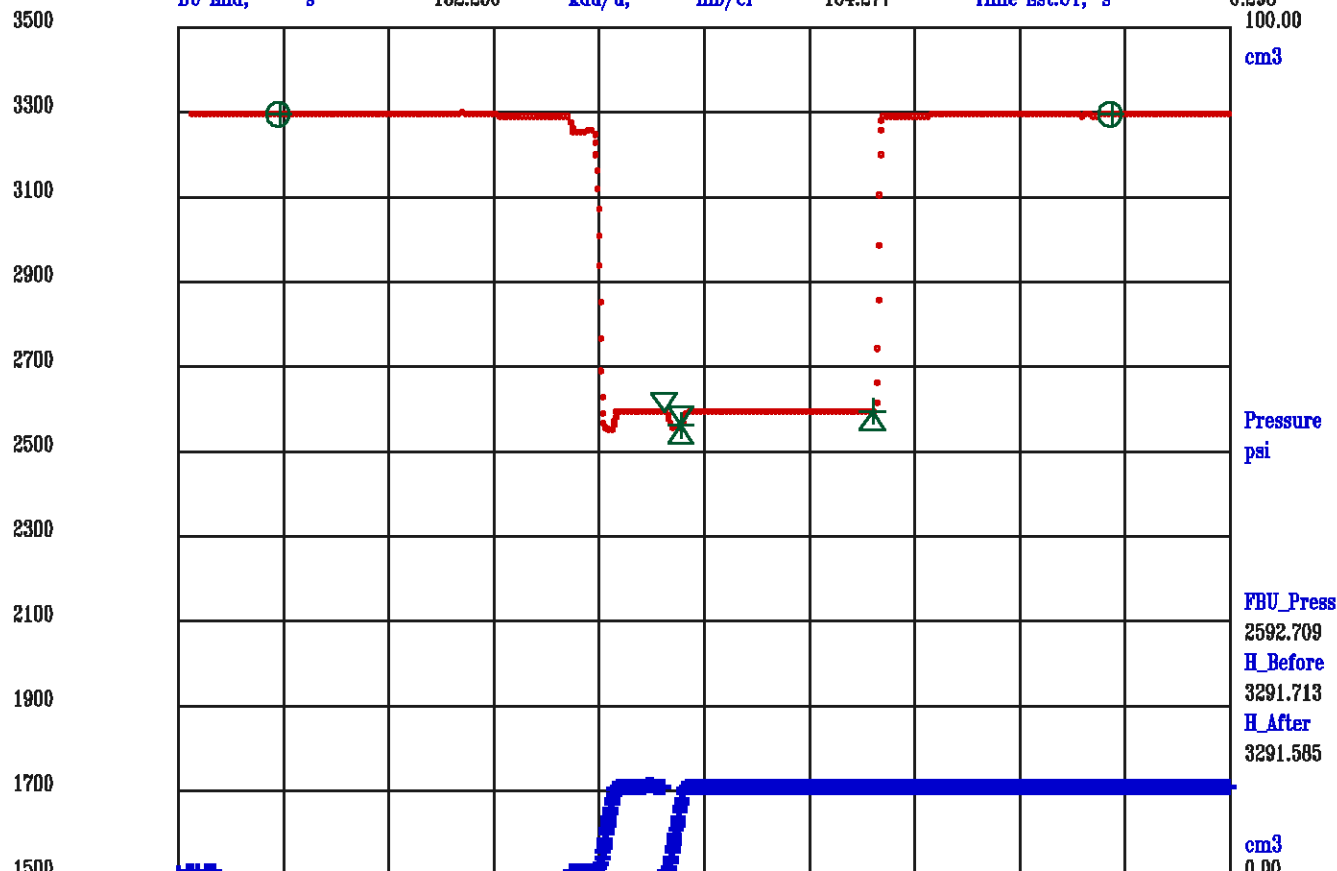
Measured Depth, m 1874.7

TVD Depth, m

i800a08_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	92.500	SF Press,	psi	2592.709	Flow Rate,	cm3/s	2.941
DD End,	s	96.000	FF Press,	psi	2558.581	DD Volum,	cm3	10.227
BU Start,	s	96.000	Kdd Perm,	mD	164.277	Fill Rate,	min/L	0.075
BU End,	s	132.250	kdd/u,	mD/cP	164.277	Time Est.UT,	s	0.298



1000
0.0 20.0 40.0 60.0 80.0 100.0 120.0 140.0 160.0 180.0 200.0
Time, s

PRESSURE TEST – TVD Depth 1799.2 m
Measured Depth 1876.3 m

Meta File: i800a09_0.qd1.meta

DRAWDOWN: PACKER

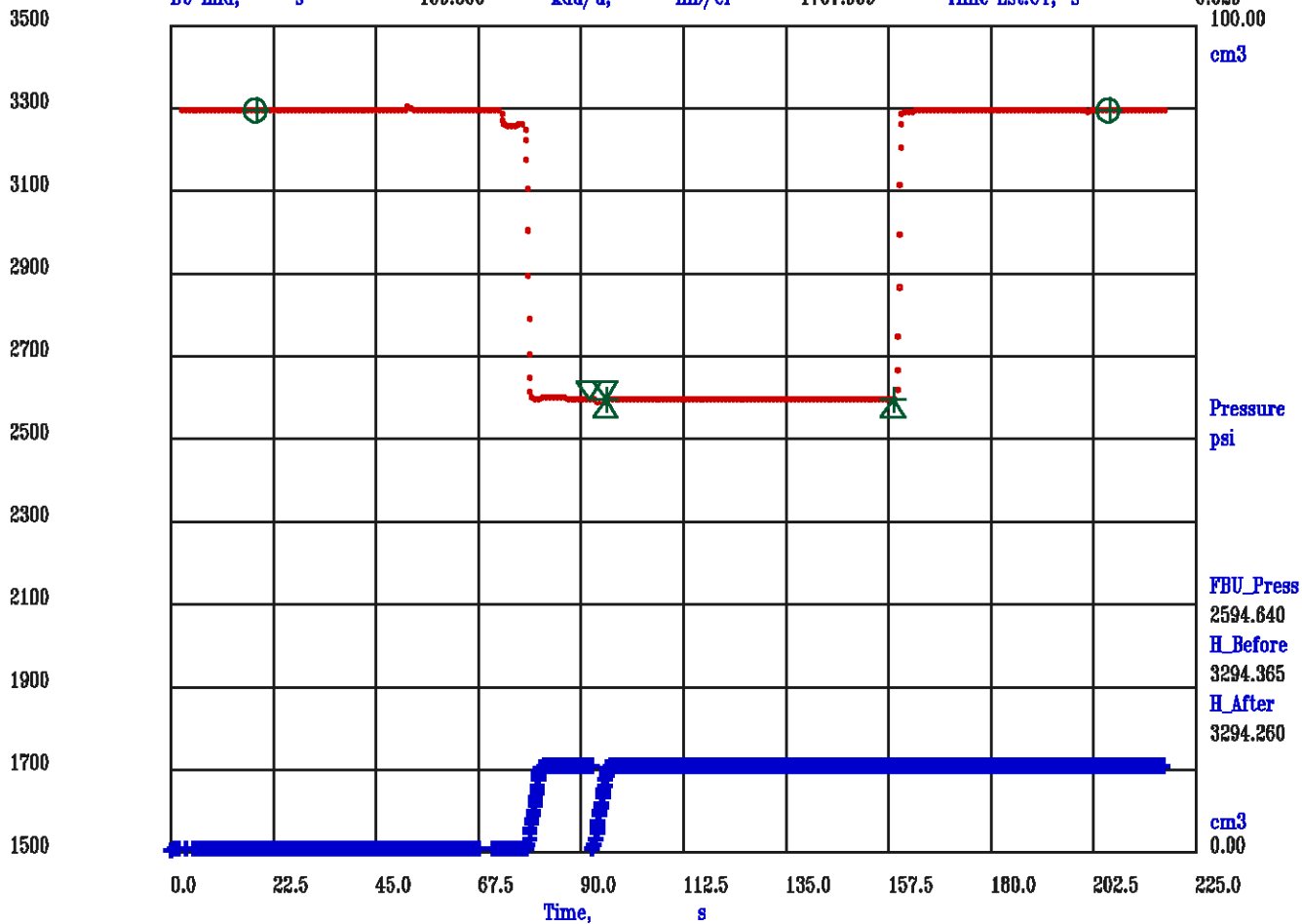
Measured Depth, m 1876.3

TVD Depth, m

i800a09_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	92.375	SF Press,	psi	2594.640	Flow Rate,	cm3/s	2.894
DD End,	s	95.875	FF Press,	psi	2591.410	DD Volum,	cm3	10.065
BU Start,	s	95.875	Kdd Perm,	mD	1707.959	Fill Rate,	min/L	0.007
BU End,	s	159.000	kdd/u,	mD/cP	1707.959	Time Est.UT, s		0.029



PRESSURE TEST – TVD Depth 1800.5 m
Measured Depth 1877.8 m

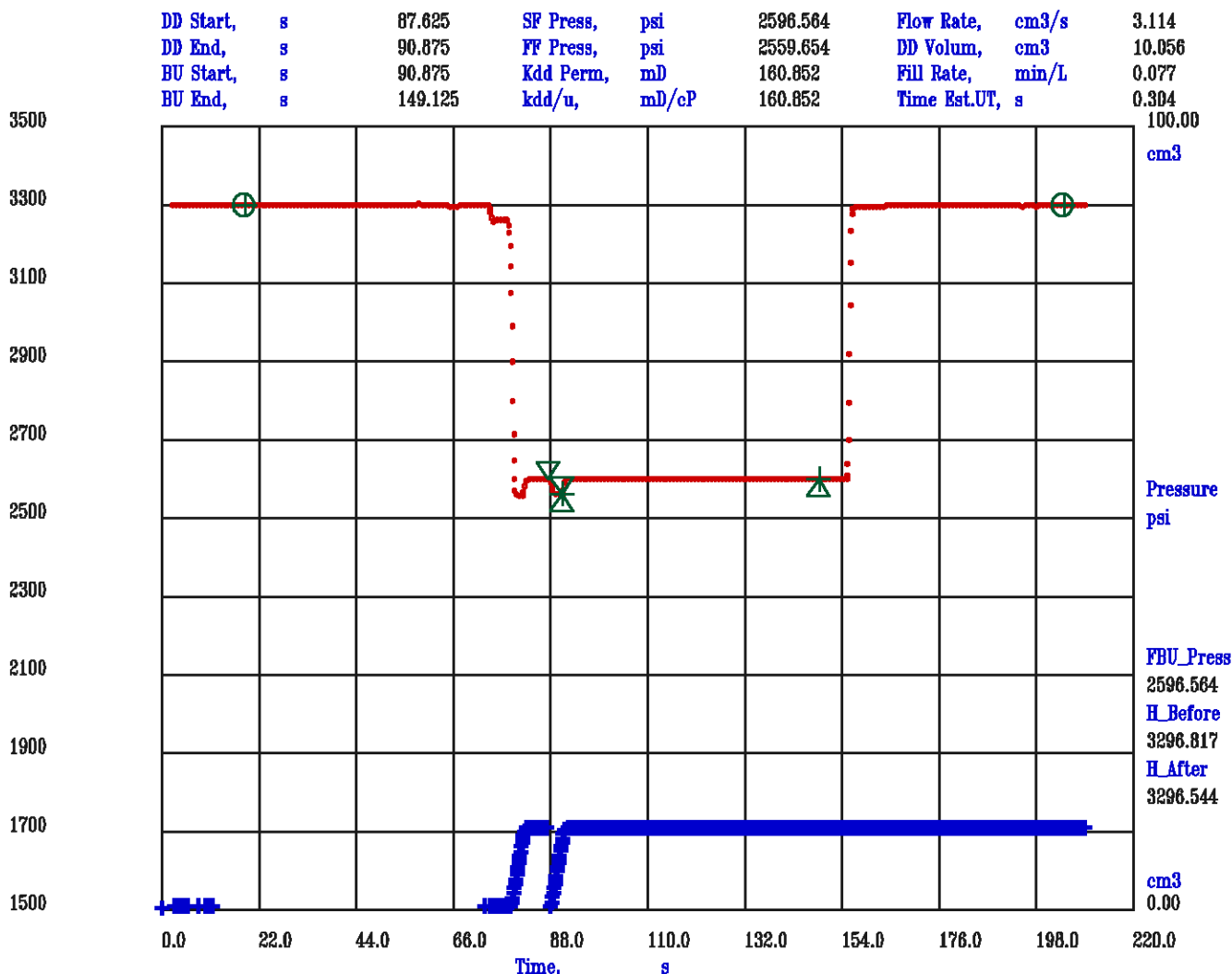
DRAWDOWN: PACKER

Measured Depth, m 1877.8

TVD Depth, m

i800a10_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure



PRESSURE TEST – TVD Depth 1804.9 m
Measured Depth 1882.7 m

DRAWDOWN: PACKER

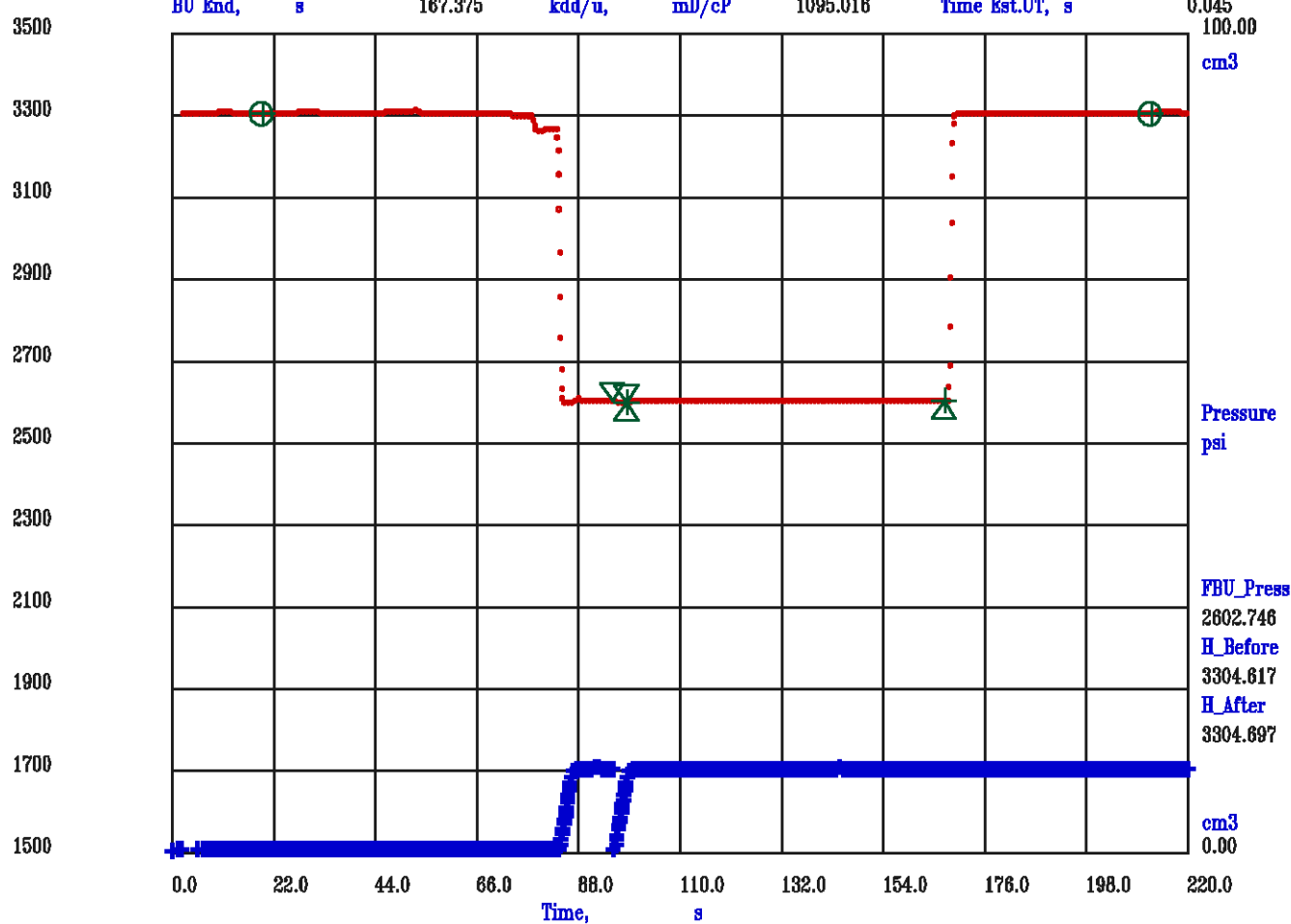
Measured Depth, m 1882.7

TVD Depth, m

i800a11_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	95.500	SF Press,	psi	2602.746	Flow Rate,	cm3/s	3.095
DD End,	s	98.750	FF Press,	psi	2597.357	DD Volum,	cm3	9.995
BU Start,	s	98.750	Kdd Perm,	mD	1095.016	Fill Rate,	min/L	0.011
BU End,	s	149.125	kdd/u,	mD/cP	1095.016	Time Est.UT, s	0.304	100.00



PRESSURE TEST – TVD Depth 1807.2 m
Measured Depth 1885.3 m

Meta File: i800a12_0.qd1.meta

DRAWDOWN: PACKER

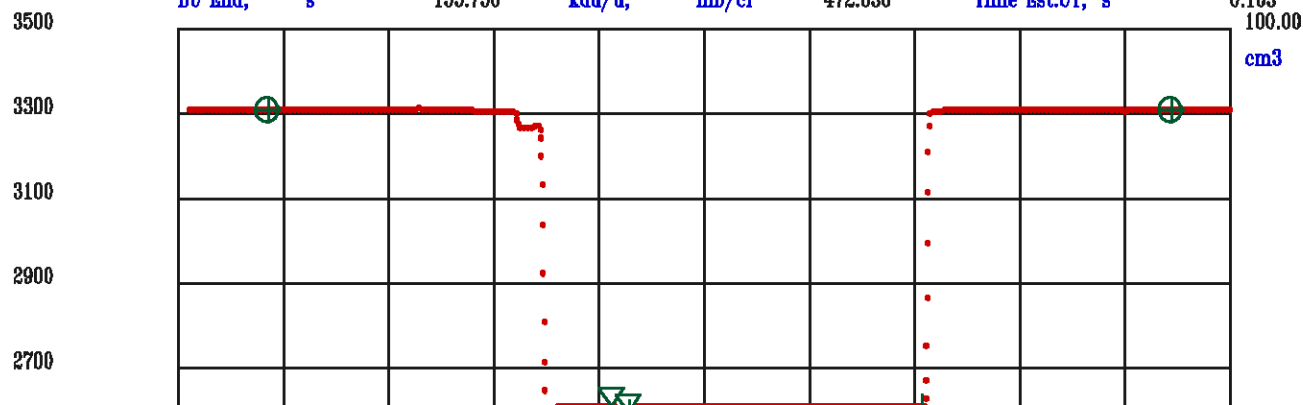
Measured Depth, m 1885.3

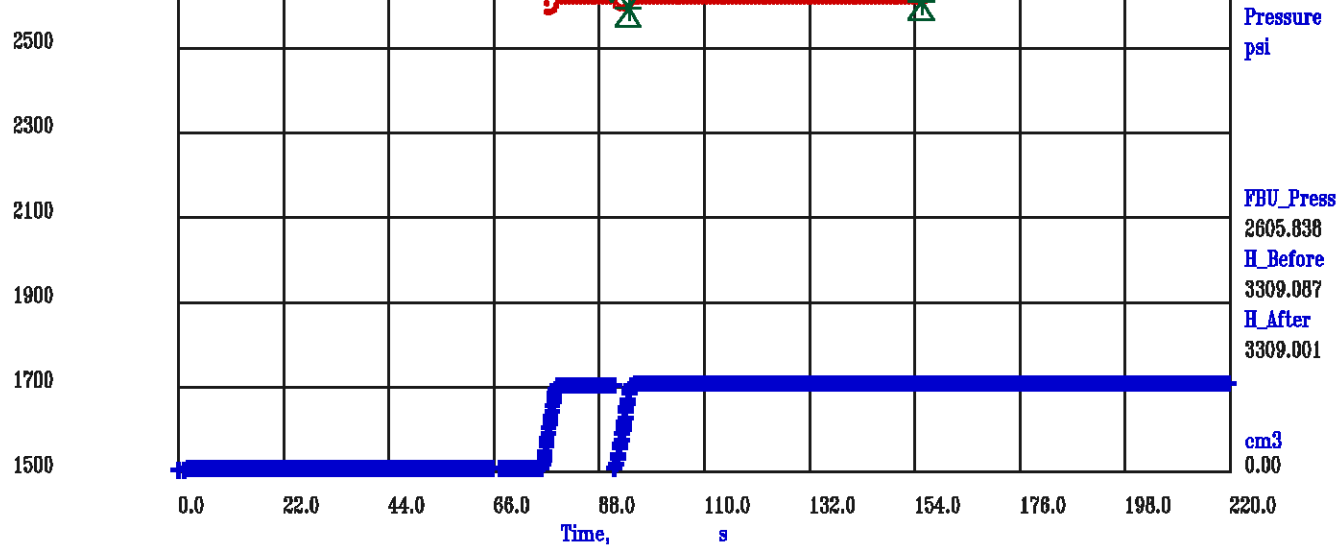
TVD Depth, m

i800a12_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start, s	91.125	SF Press, psi	2605.838	Flow Rate, cm3/s	3.066
DD End, s	94.375	FF Press, psi	2593.456	DD Volum, cm3	9.900
BU Start, s	94.375	Kdd Perm, mD	472.036	Fill Rate, min/L	0.026
BU End, s	165.750	kdd/u, mD/cP	472.036	Time Est.UT, s	0.103





PRESSURE TEST – TVD Depth 1812.8 m
Measured Depth 1891.8 m

Meta File: i800a13_0.qd1.meta

DRAWDOWN: PACKER

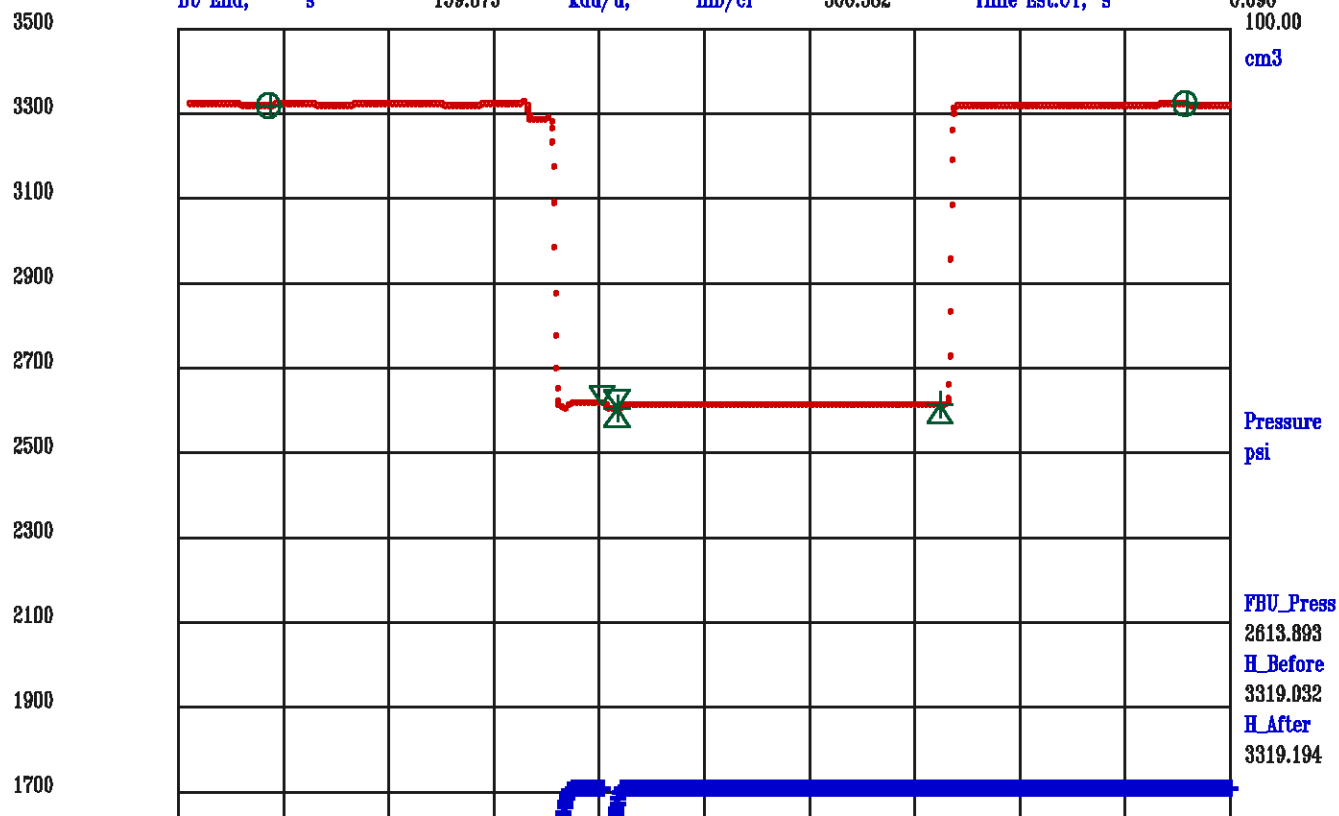
Measured Depth, m 1891.8

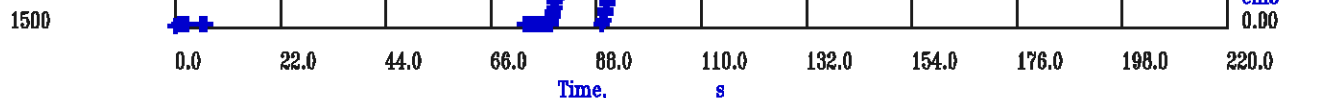
TVD Depth, m

i800a13_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	89.125	SF Press,	psi	2613.893	Flow Rate,	cm3/s	3.376
DD End,	s	92.125	FF Press,	psi	2601.187	DD Volum,	cm3	10.064
BU Start,	s	92.125	Kdd Perm,	mD	506.582	Fill Rate,	min/L	0.024
BU End,	s	159.875	kdd/u,	mD/cP	506.582	Time Est.UT, s		0.096





PRESSURE TEST – TVD Depth 1820.7 m
Measured Depth 1900.8 m

Meta File: i800a14_0.qd1.meta

DRAWDOWN: PACKER

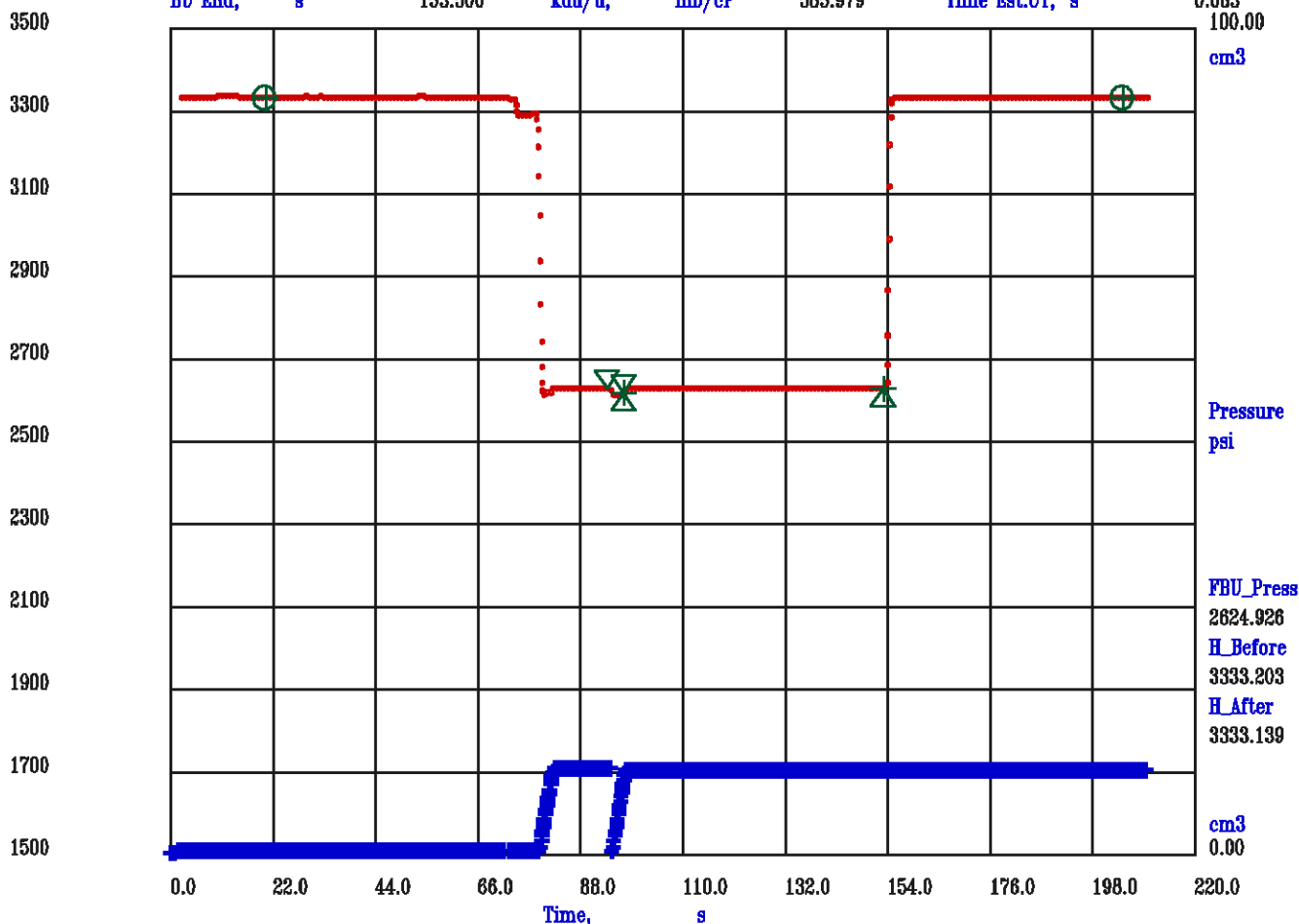
Measured Depth, m 1900.8

TVD Depth, m

i800a14_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	94.250	SF Press,	psi	2624.926	Flow Rate,	cm3/s	3.111
DD End,	s	97.500	FF Press,	psi	2614.804	DD Volum,	cm3	10.046
BU Start,	s	97.500	Kdd Perm,	mD	585.979	Fill Rate,	min/L	0.021
BU End,	s	153.500	kdd/u,	mD/cP	585.979	Time Est.UT,	s	0.083



PRESSURE TEST – TVD Depth 1823.6 m
Measured Depth 1904.2 m

DRAWDOWN: PACKER

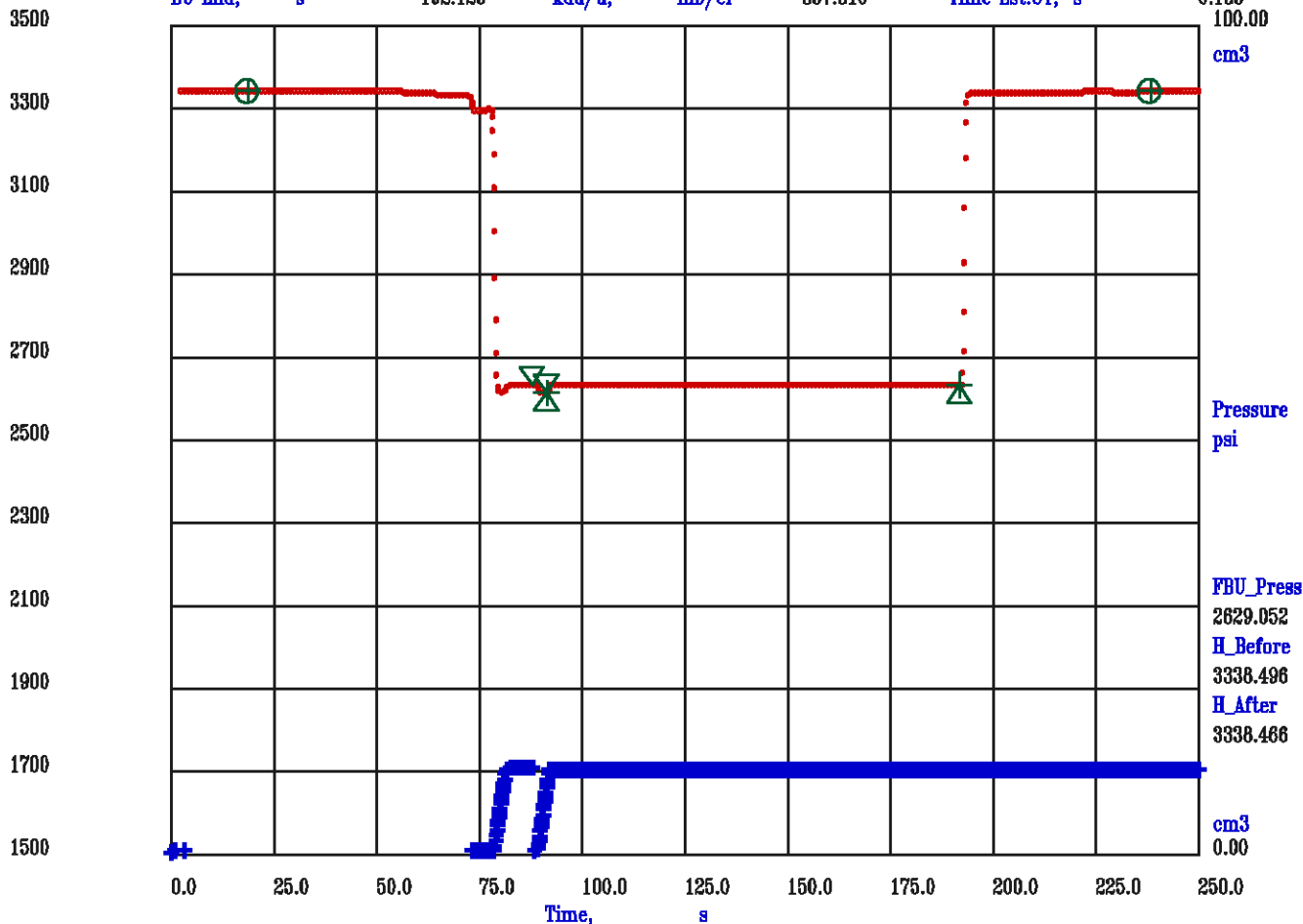
Measured Depth, m 1904.2

TVD Depth, m

i800a15_0.qd1.meta

HISTORY PLOT: Elapsed Time vs. Pressure

DD Start,	s	88.375	SF Press,	psi	2629.052	Flow Rate,	cm3/s	2.909
DD End,	s	91.875	FF Press,	psi	2613.528	DD Volum,	cm3	10.118
BU Start,	s	91.875	Kdd Perm,	mD	357.310	Fill Rate,	min/L	0.034
BU End,	s	192.125	kdd/u,	mD/cP	357.310	Time Est.UT,	s	0.135



GR CORRELATION #1 (BEFORE RUNNING IN HOLE)

eXpress Unknown eXpress 3.1 Jun 29, 2002
Updates: 1,2,3,4,5,6,7,8,9,10,11,12,13,1F1 Pcrplf /main/61

Cplot 8.1
Pdf_Cpp /main/16

Fri May 13 10:05:18 2005
Fileview 4.34

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/thyl2/hallada1dw3f/a/1800a03.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 1080.897 m BOTTOM DEPTH: 1178.890 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CHT	FILTER ()	medium (1)		TOP	BOTTOM
GR	FILTER ()	medium (1)		"	"
SPEED	FILTER ()	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"

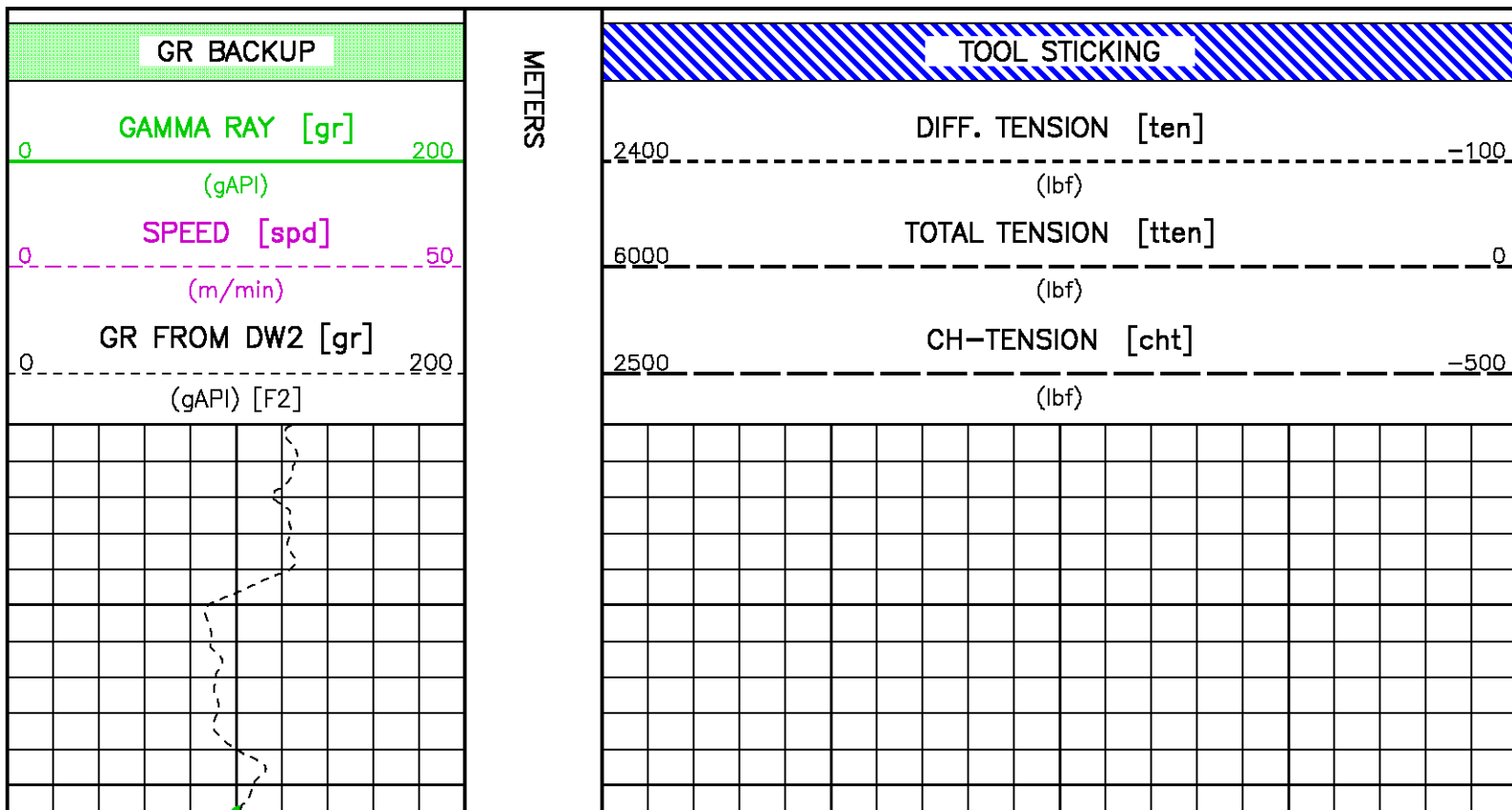
CURVE DESCRIPTION REPORT

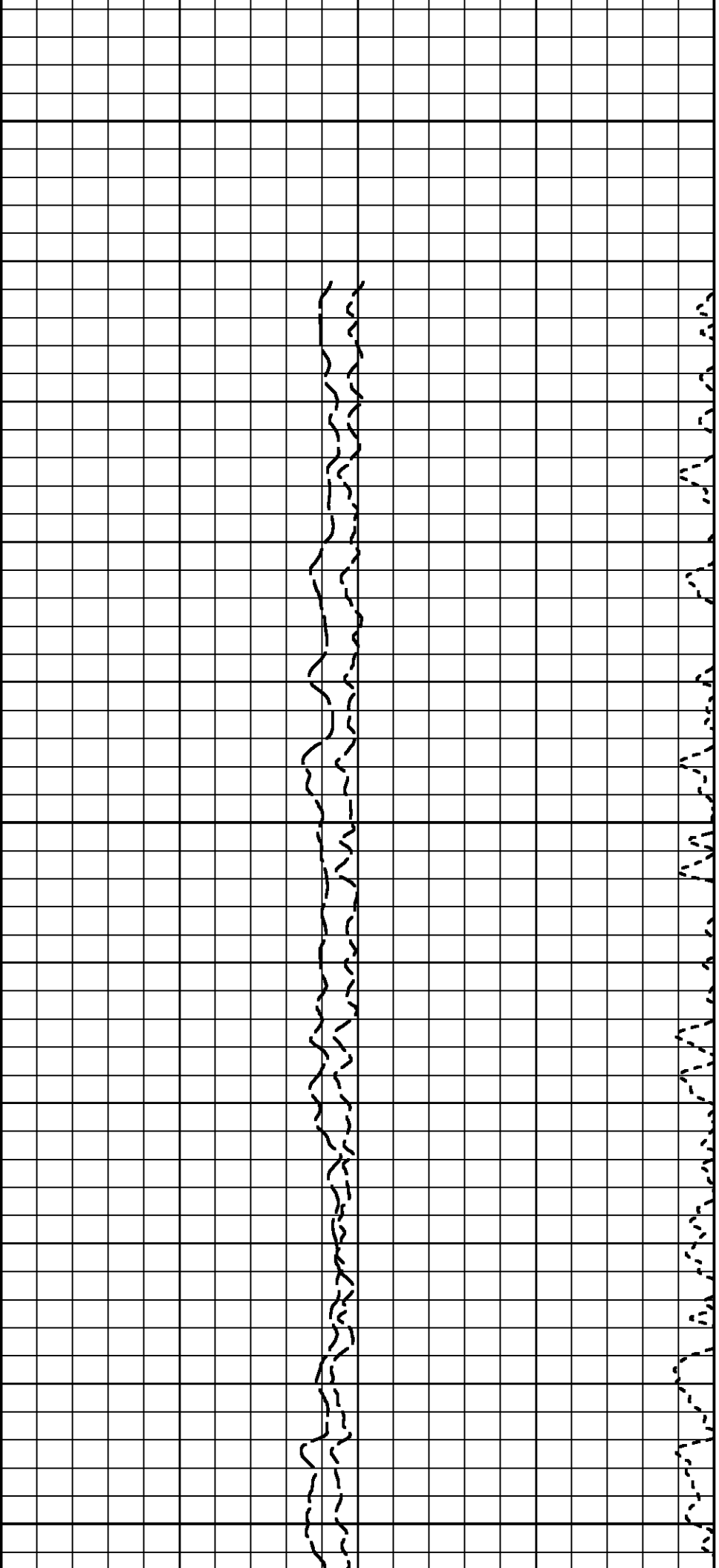
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CHT	CHT	Apr 25 20:08:08 2005	CABLE HEAD TENSION
F1:GR	GR	Apr 25 20:08:08 2005	GAMMA RAY
F1:SPD	SPD	Apr 25 20:08:08 2005	SPEED
F1:TEN	TEN	Apr 25 20:08:08 2005	DIFFERENTIAL TENSION
F1:TTEN	TTEN	Apr 25 20:08:08 2005	TOTAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	-0.38	SPD	0.00	TTEN	-0.38		
GR	9.75	TEN	-0.38				

Project	: /export/thyl2/halladale1dw3fja
User	: mundscoa
Presentation	: thylacine:/export/thyl2/halladale1dw3fja/gr-correlation-01.pdf [1:200 Scale]
Plot Interval	: 1060 - 1175 Meters
Data File 1	: F1 : thylacine:/export/thyl2/halladale1dw3fja/1800a03.aff
Created On	: Apr 25 20:08:08 2005
Company	: WOODSIDE ENERGY LTD
Well	: HALLADALE-1 DW3
Field	: HALLADALE
File Interval	: 1066.5 - 1178.43 Meters
Oct	: 1800a
Data File 2	: F2 : thylacine:/export/thyl2/halladale1dw3fja/177bxs.xtf
Created On	: Apr 18 13:18:27 2005
Company	: WOODSIDE ENERGY LTD
Well	: HALLADALE-1 DW2
Field	: HALLADALE
File Interval	: 705.612 - 1945.08 Meters
Oct	: 1874f

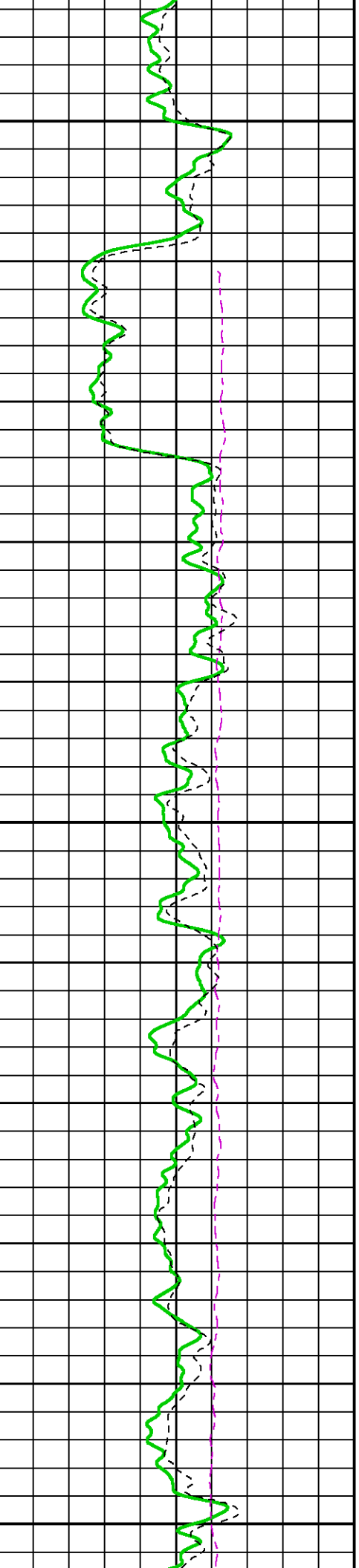


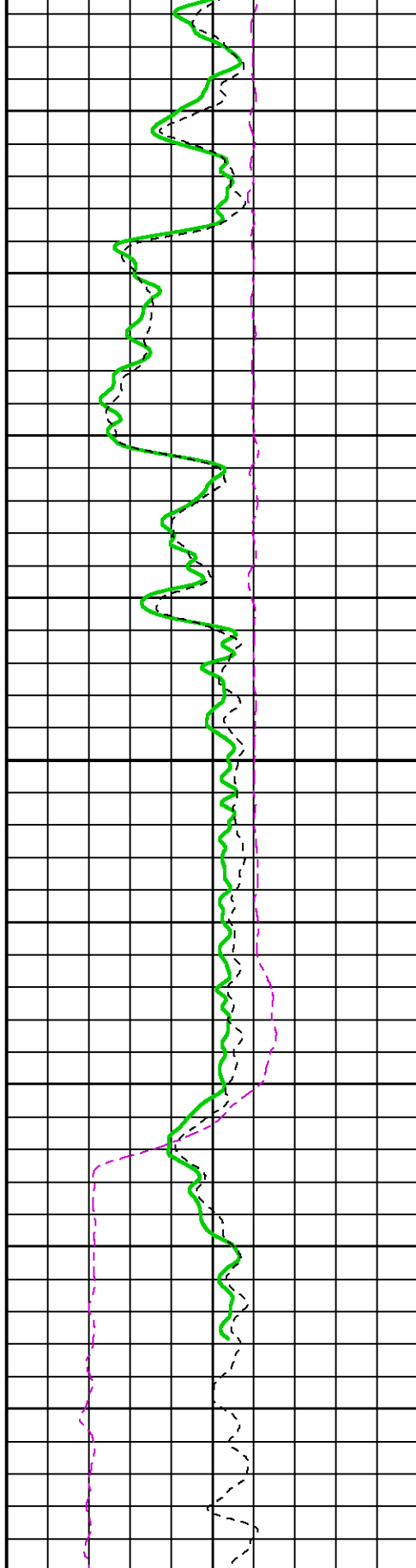


1075

1100

1125

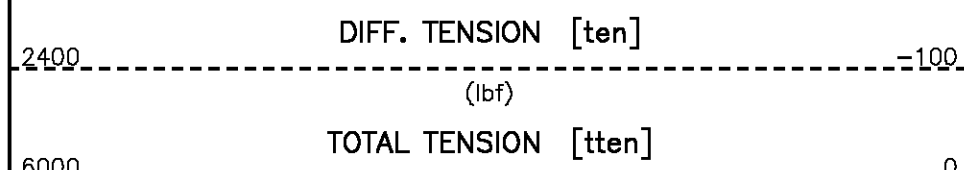
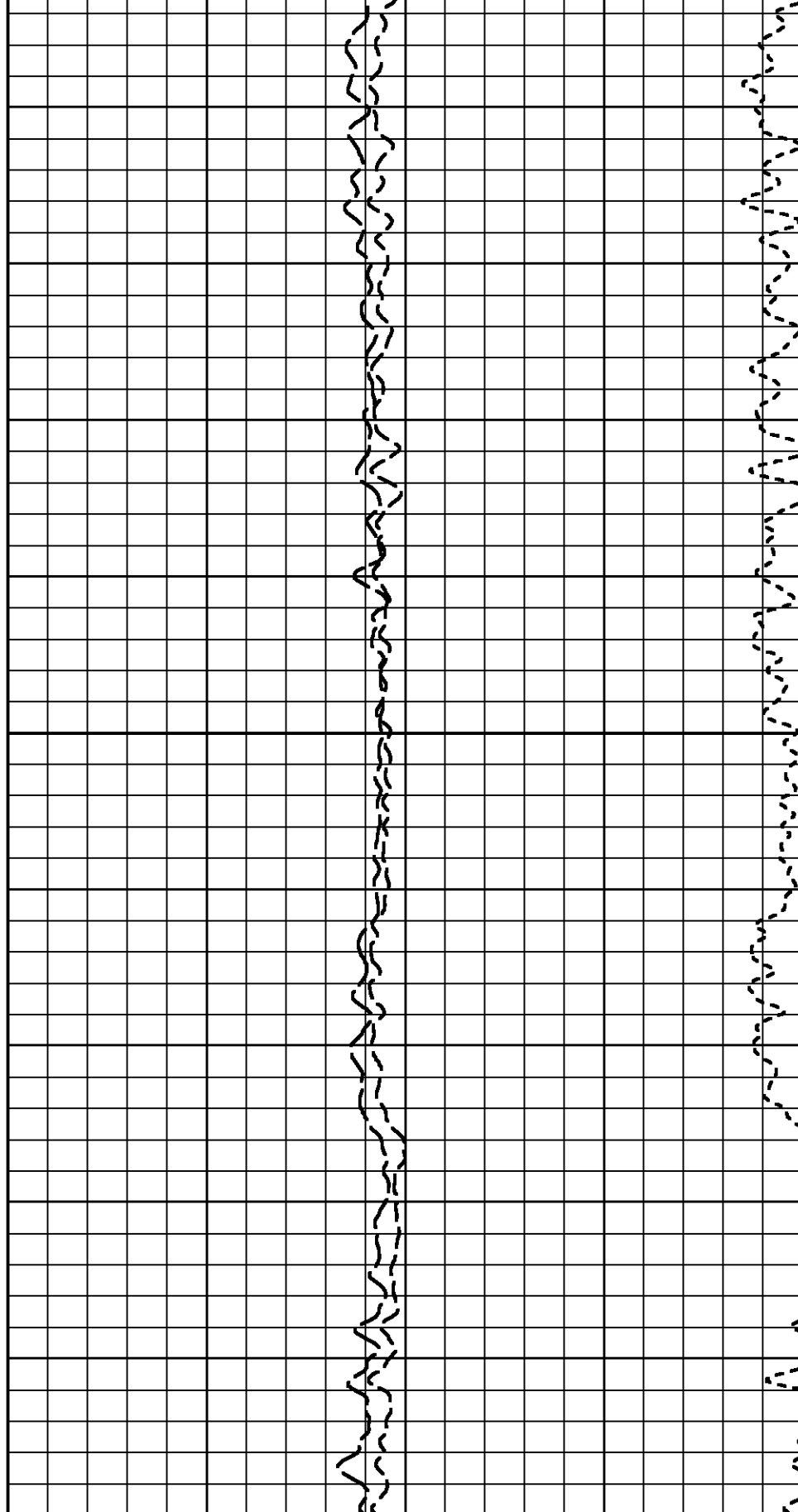




1150

1175

METERS



(m/min)		(lbf)
GR FROM DW2 [gr]		CH-TENSION [cht]
0-----200	2500-----500	
(gAPI) [F2]		(lbf)

GR CORRELATION #2 (AFTER TAKING PRESSURES)

eXpress Unknown eXpress 3.1 Jun 29, 2002 Cplot 8.1 Fri May 13 10:05:14 2005
 Updates: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/thyl2/halladale1dw3fja/1800a16.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 781.202 m BOTTOM DEPTH: 1948.891 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
CHT	FILTER ()	medium (1)		TOP	BOTTOM
GR	FILTER ()	medium (1)		" "	" "
SPEED	FILTER ()	medium (1)		" "	" "
TENSION	FILTER ()	medium (1)		" "	" "

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CHT	CHT	Apr 25 22:13:17 2005	CABLE HEAD TENSION
F1:GR	GR	Apr 25 22:13:17 2005	GAMMA RAY
F1:SPD	SPD	Apr 25 22:13:17 2005	SPEED
F1:TEN	TEN	Apr 25 22:13:17 2005	DIFFERENTIAL TENSION
F1:TTEN	TTEN	Apr 25 22:13:17 2005	TOTAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	-0.38	SPD	0.00	TTEN	-0.38		
GR	9.75	TEN	-0.38				

Project : /export/thyl2/halladale1dw3fja
 User : mundscoa
 Presentation : thylacine:/export/thyl2/halladale1dw3fja/gr-correlation-02.pdf [1:200 Scale]
 Plot Interval : 750 - 1930 Meters

Data File 1 : F1 : thylacine:/export/thyl2/halladale1dw3fja/1800a16.aff
 Created On : Apr 25 22:13:17 2005
 Company : WOODSIDE ENERGY LTD
 Well : HALLADALE-1 DW3
 Field : HALLADALE
 File Interval : 767.715 - 1949.27 Meters
 Oct : 1800a

Data File 2 : F2 : thylacine:/export/thyl2/halladale1dw3fja/177bxs.xtf
 Created On : Apr 18 13:18:27 2005
 Company : WOODSIDE ENERGY LTD
 Well : HALLADALE-1 DW2
 Field : HALLADALE
 File Interval : 705.612 - 1945.08 Meters
 Oct : 1874f

GR BACKUP

GAMMA RAY [gr]

(gAPI)

0200

SPEED [spd]

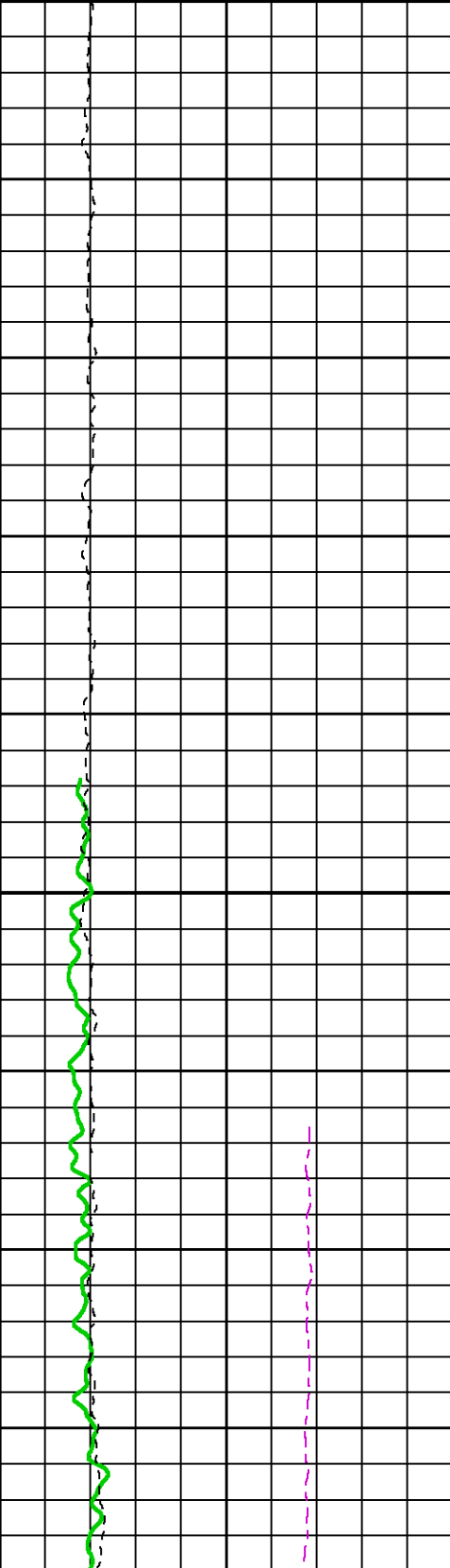
(m/min)

050

GR FROM DW2 [gr]

(gAPI) [F2]

0200



METERS

750

775

TOOL STICKING

DIFF. TENSION [ten]

(lbf)

2400-100

TOTAL TENSION [tten]

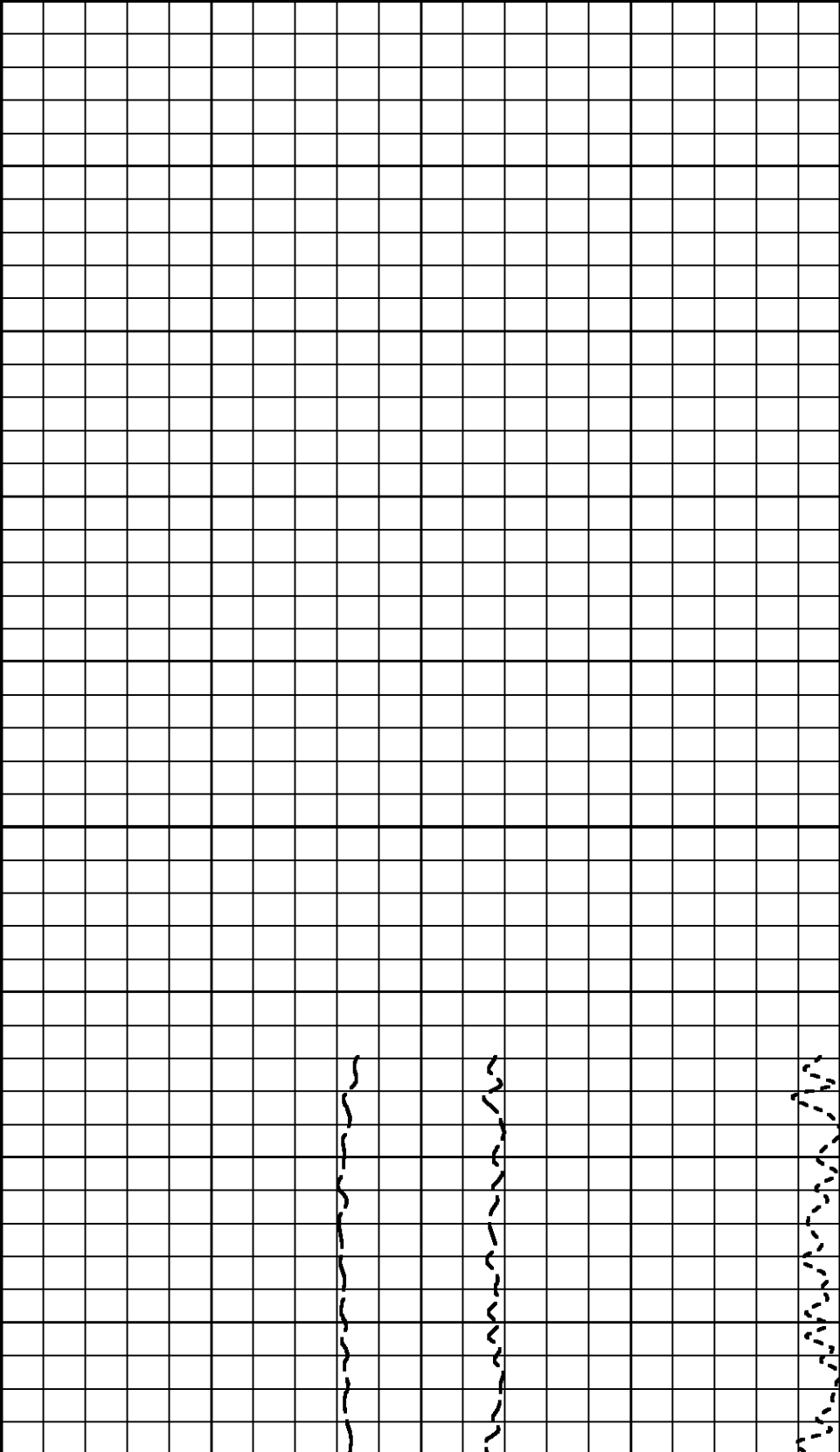
(lbf)

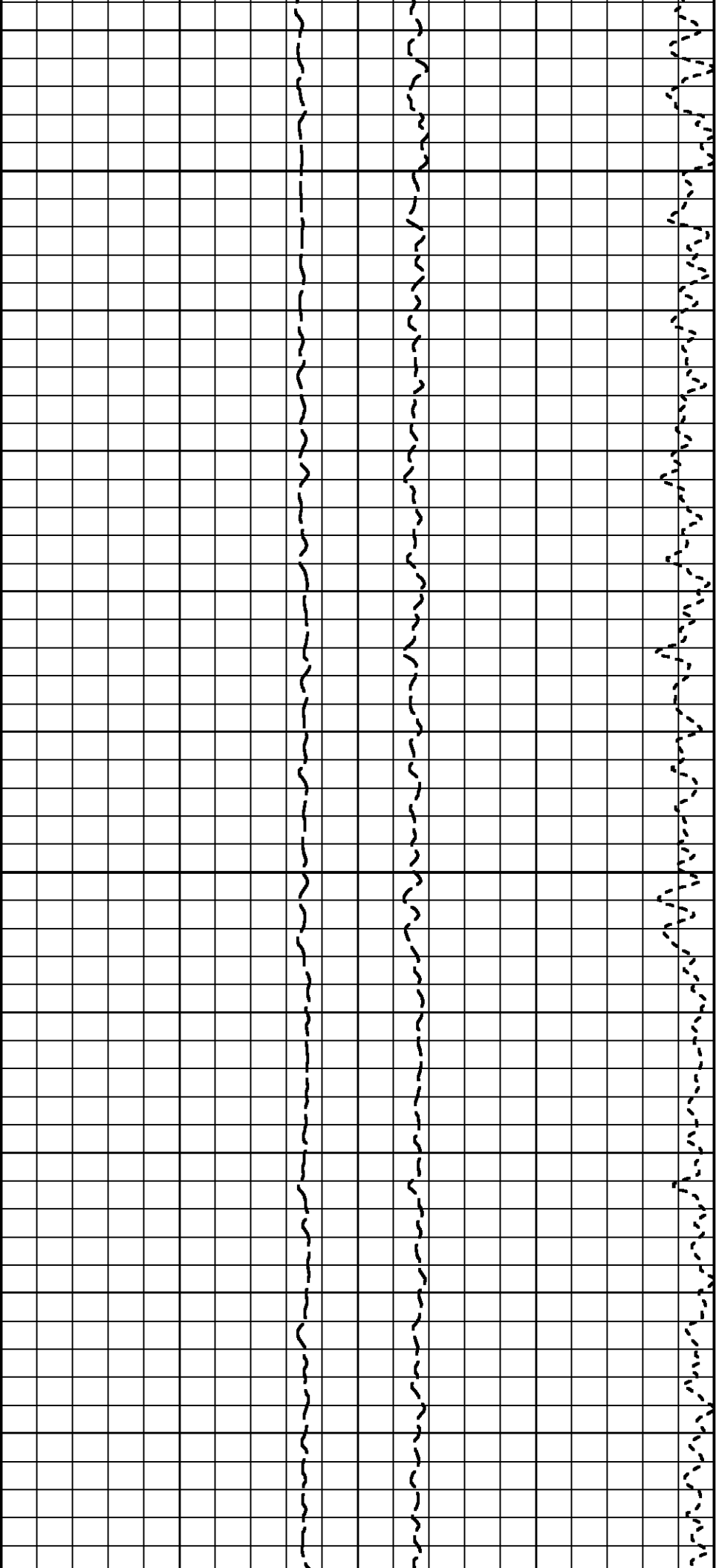
60000

CH-TENSION [cht]

(lbf)

2500-500

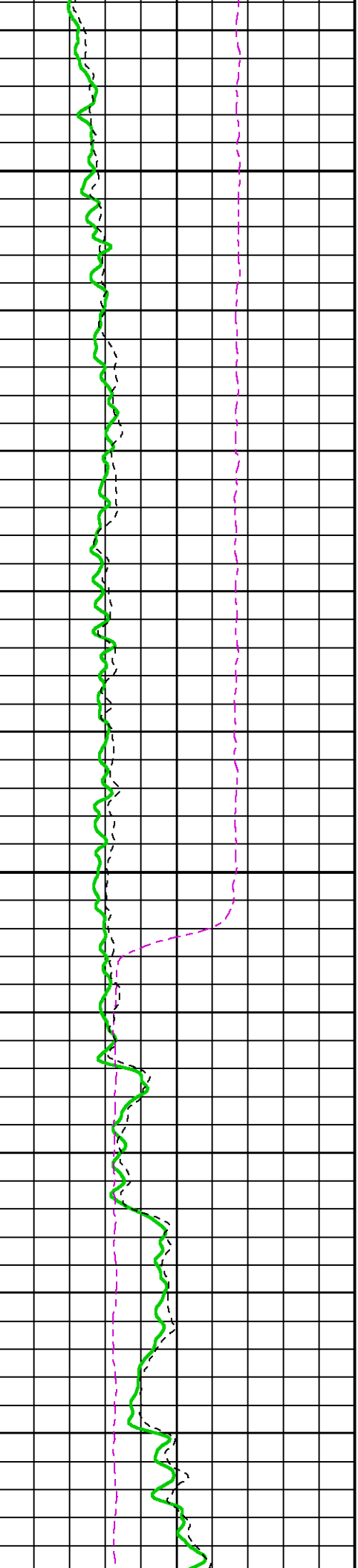


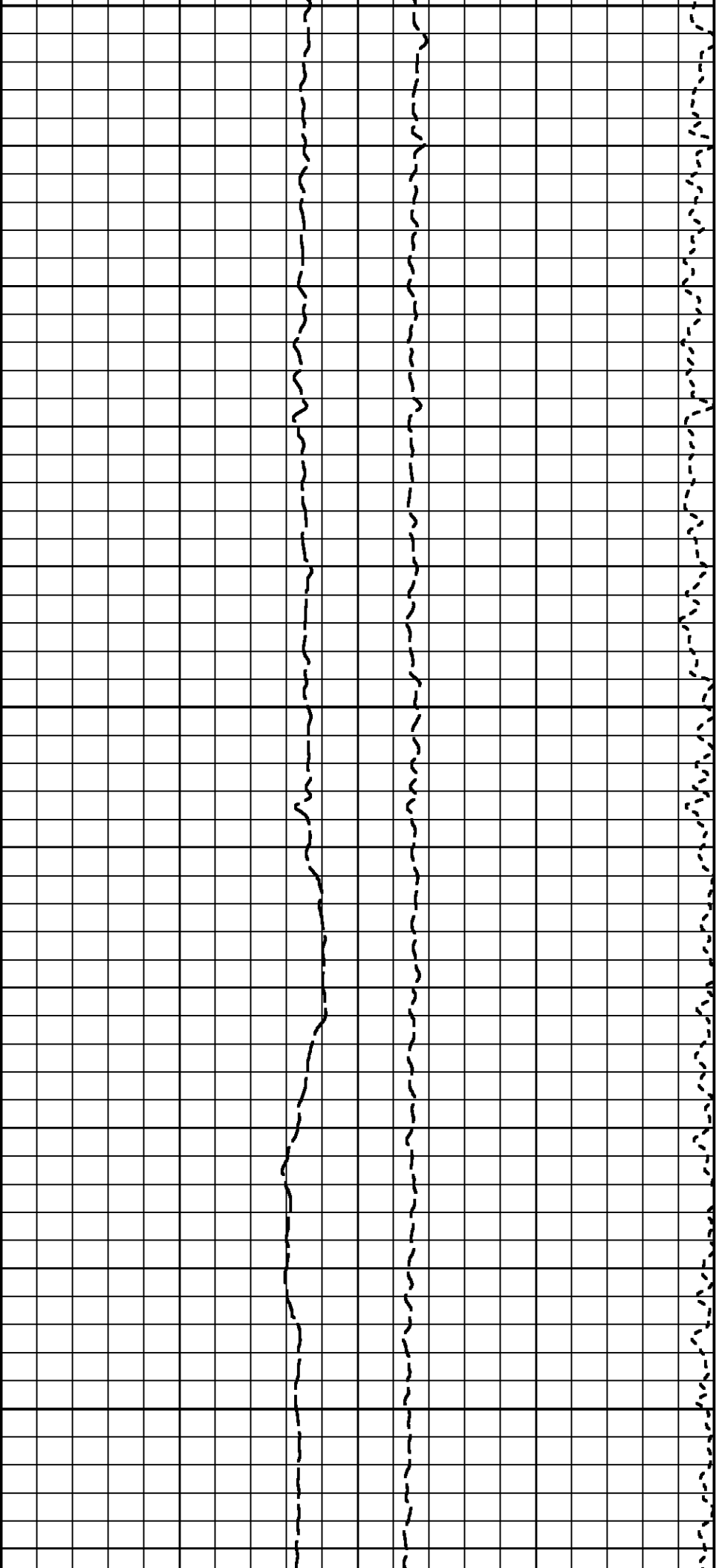


800

825

8

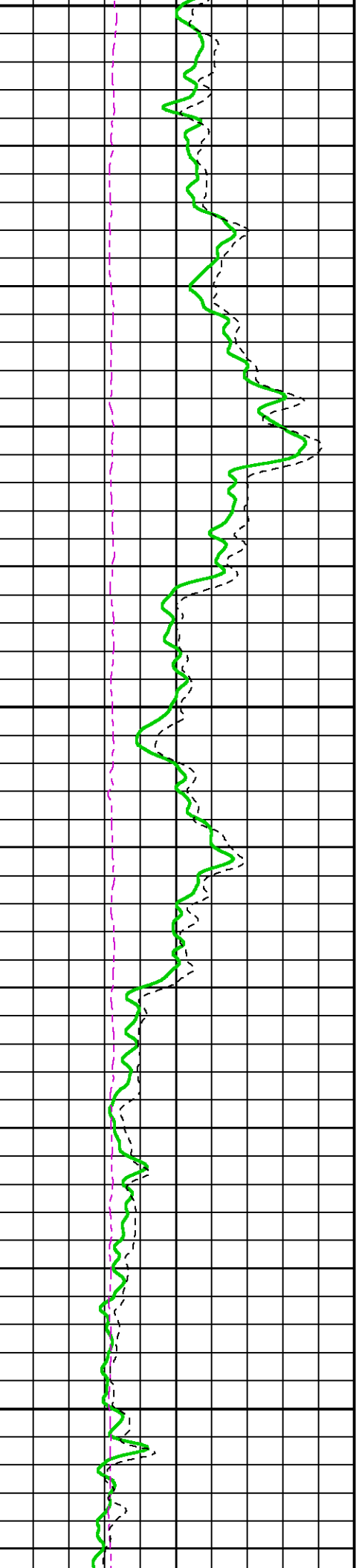


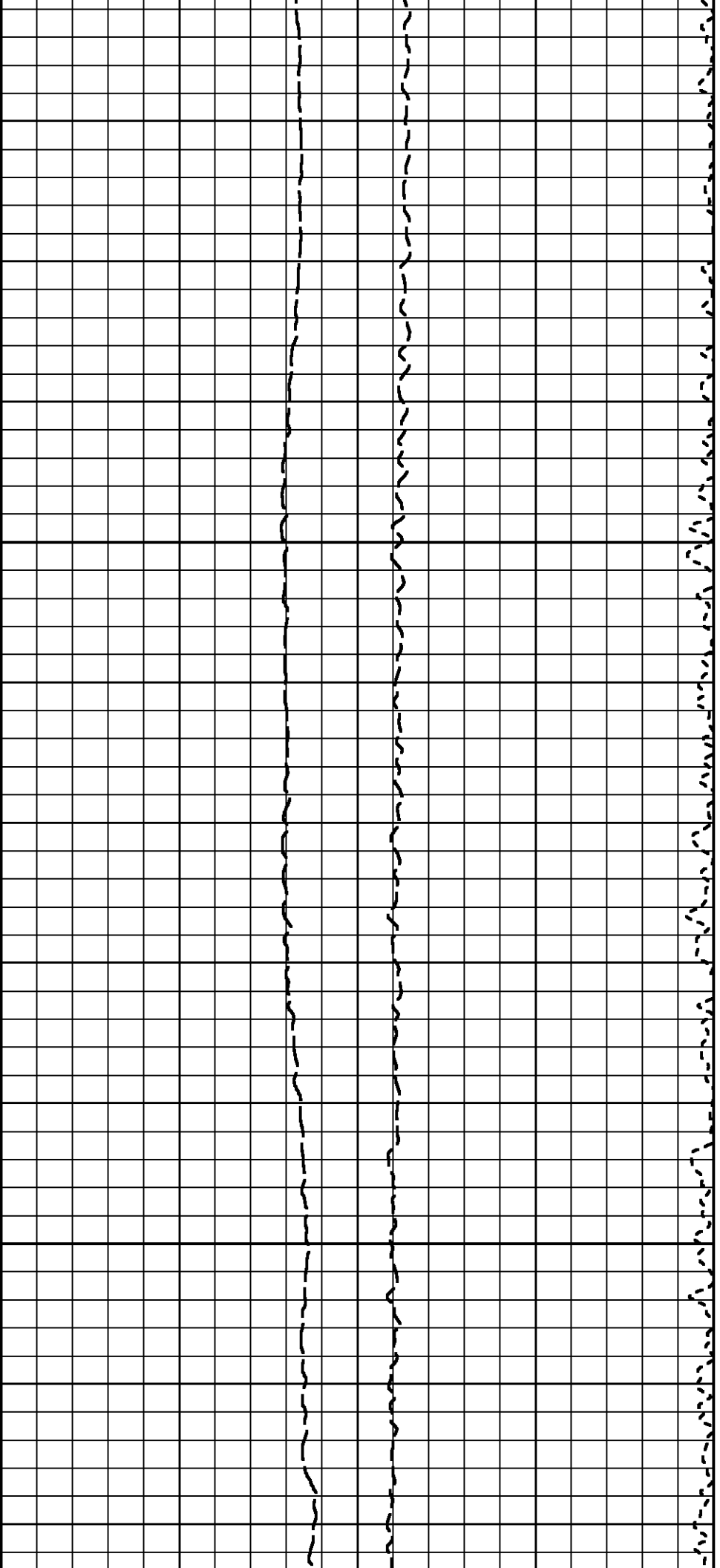


50

875

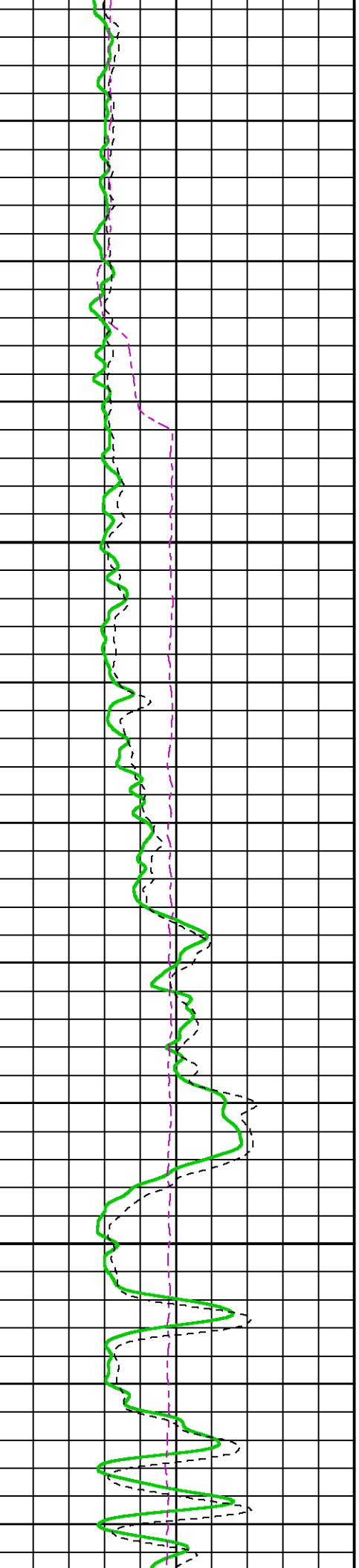
900

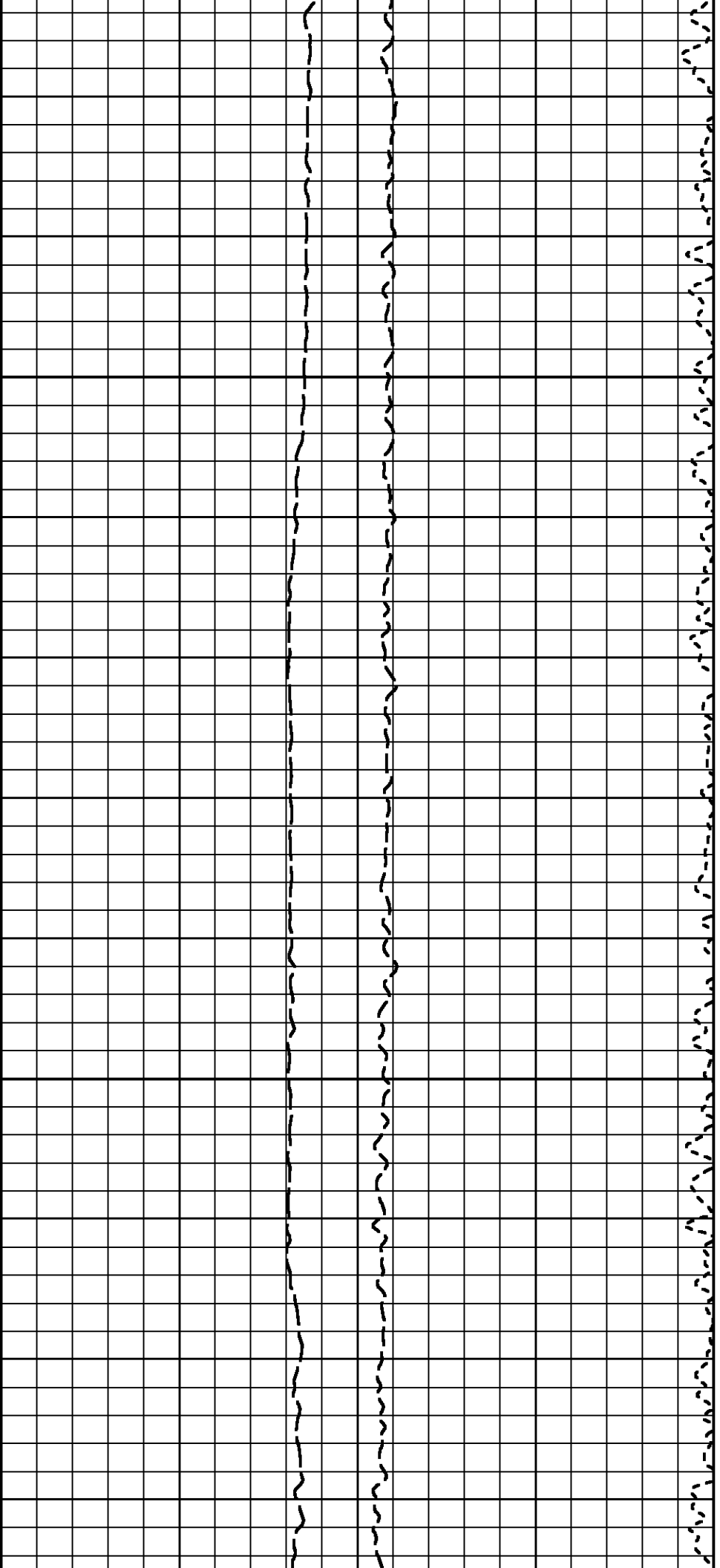




925

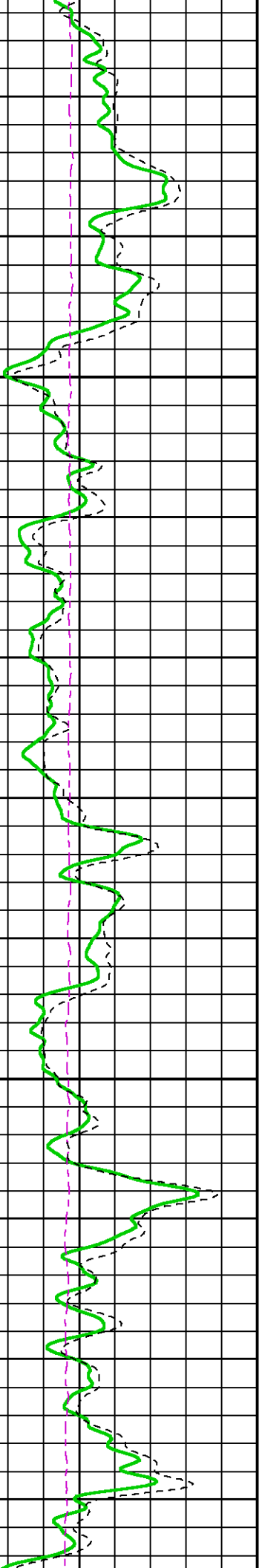
950

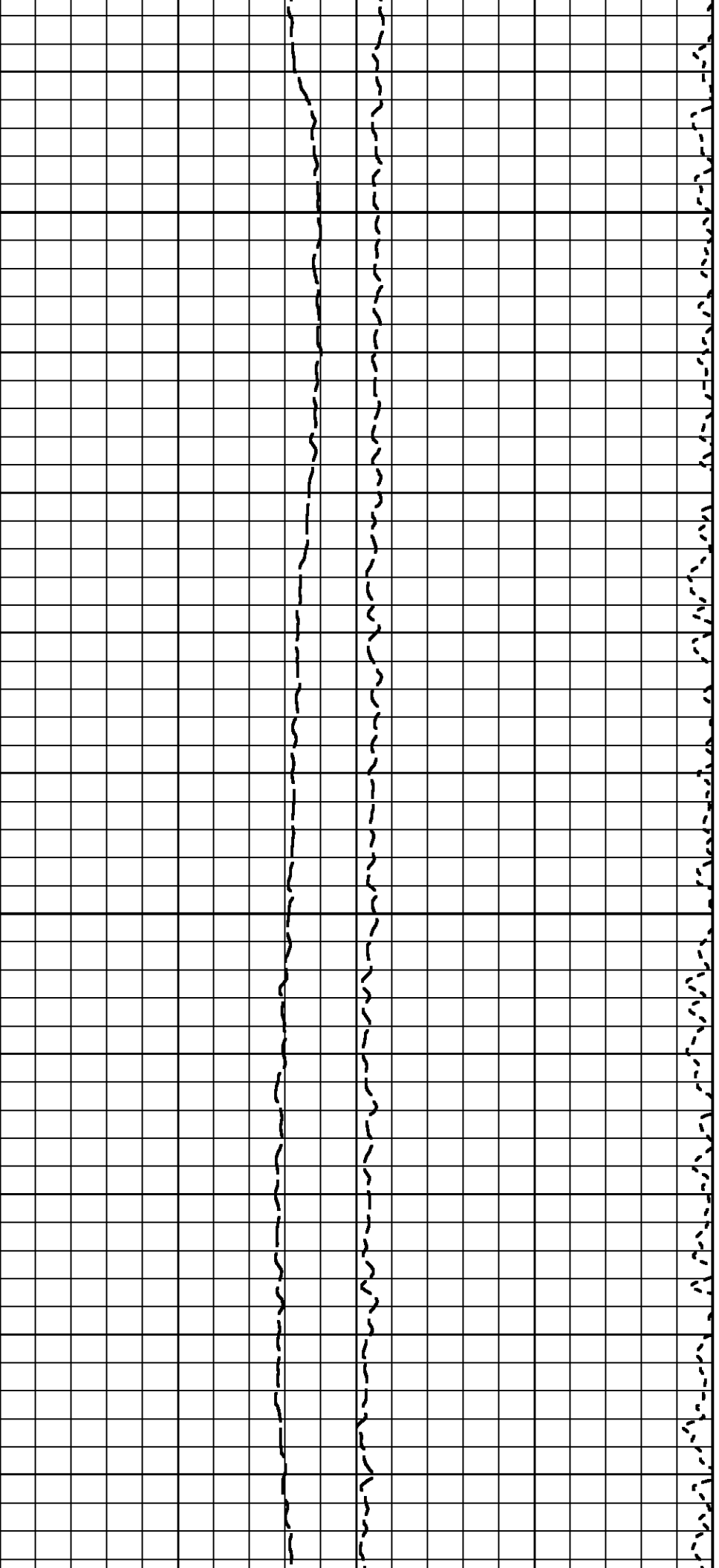




975

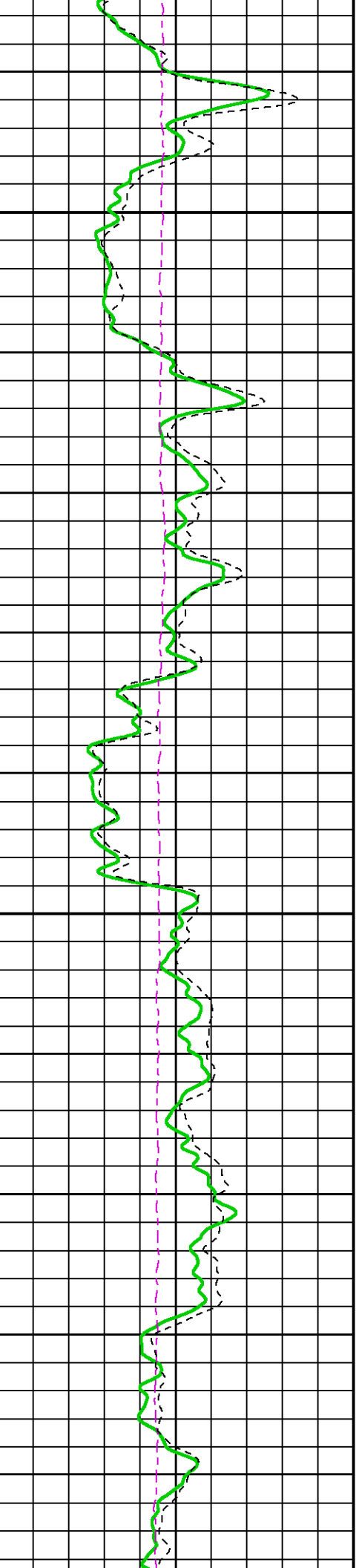
1000

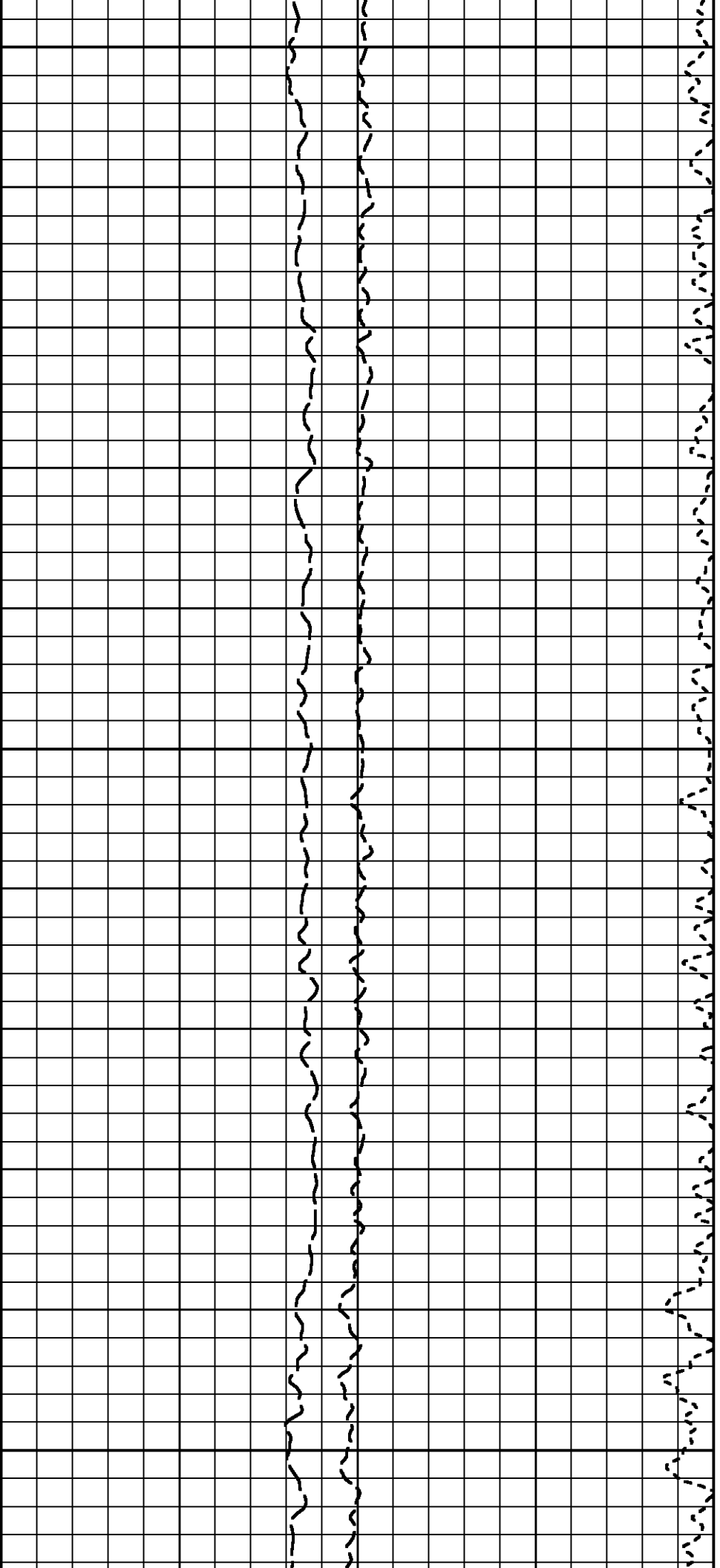




1025

1050

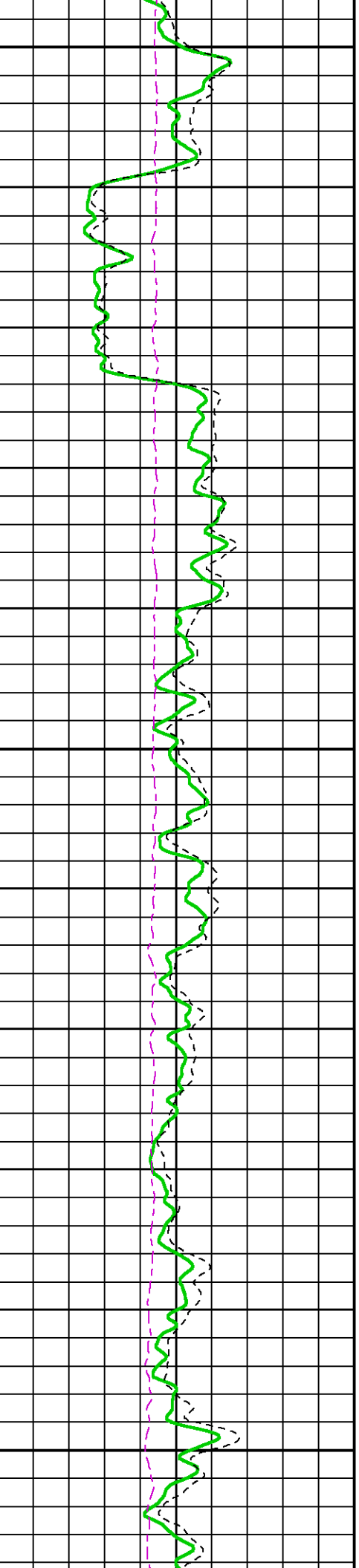


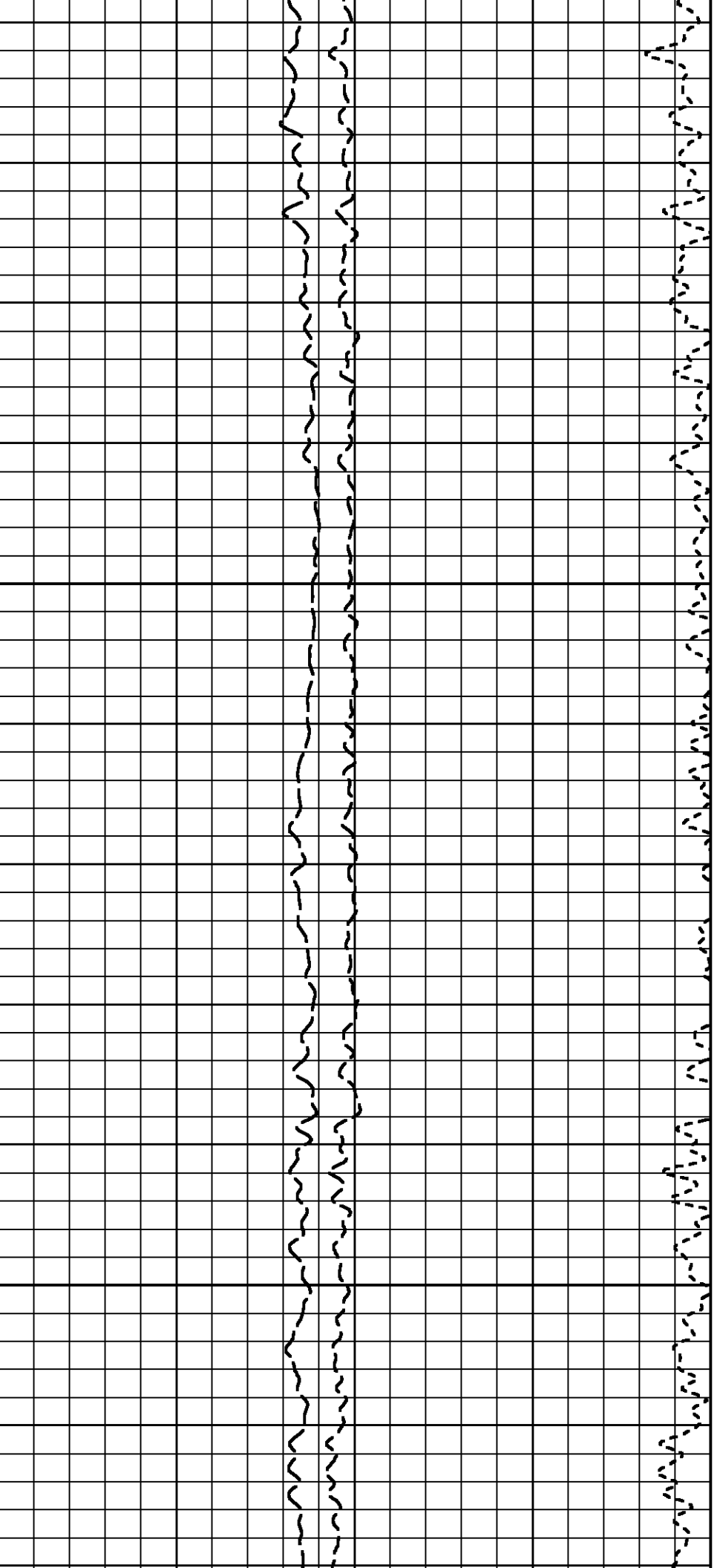


1075

1100

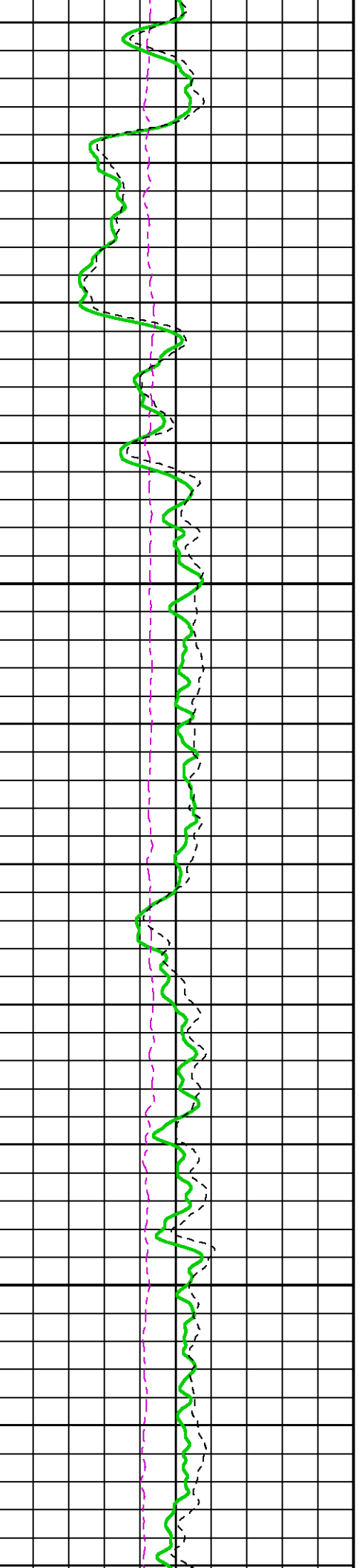
1125

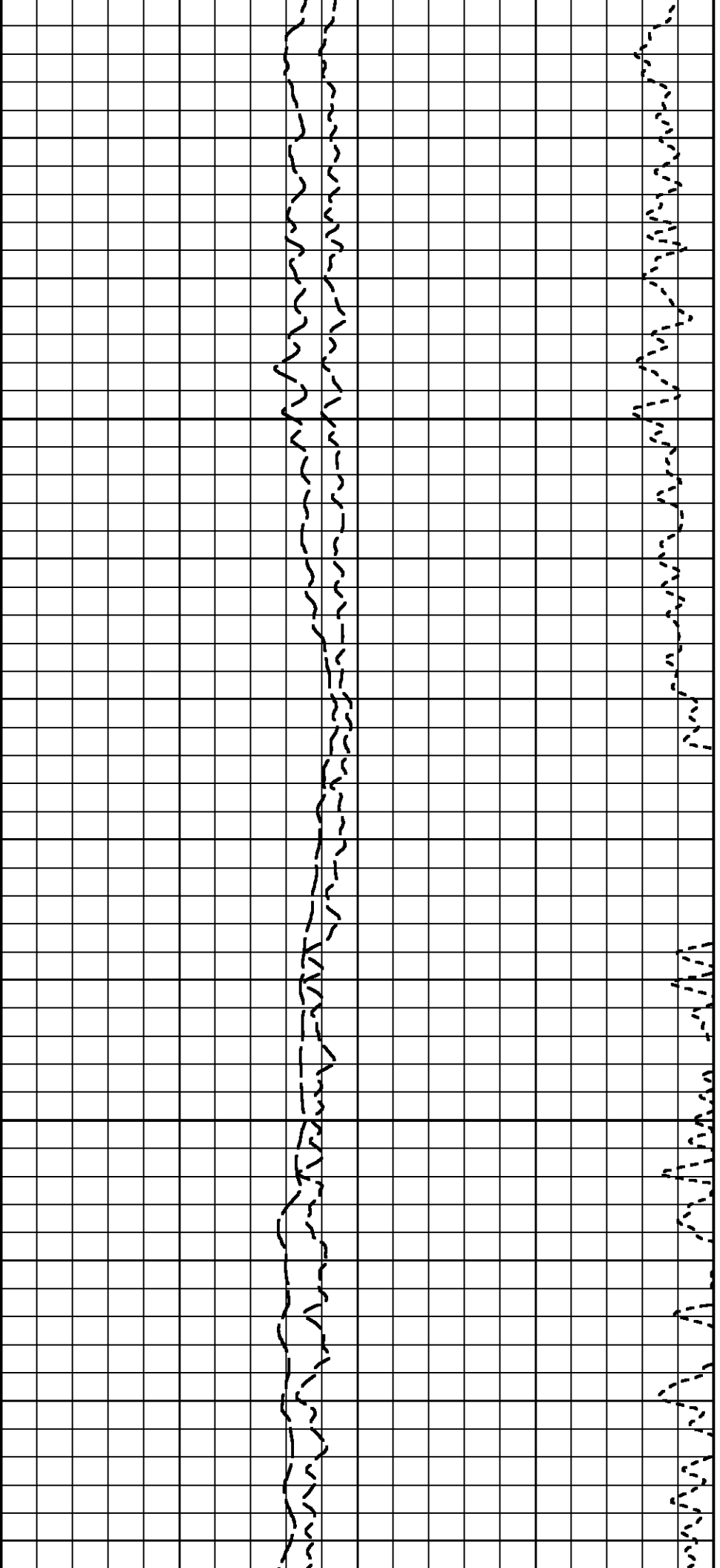




1150

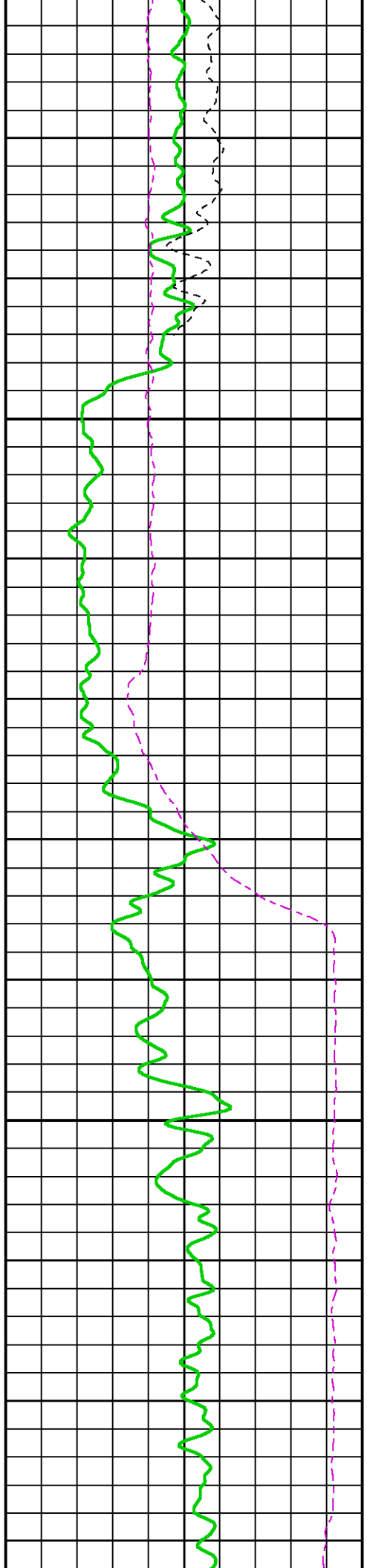
1175

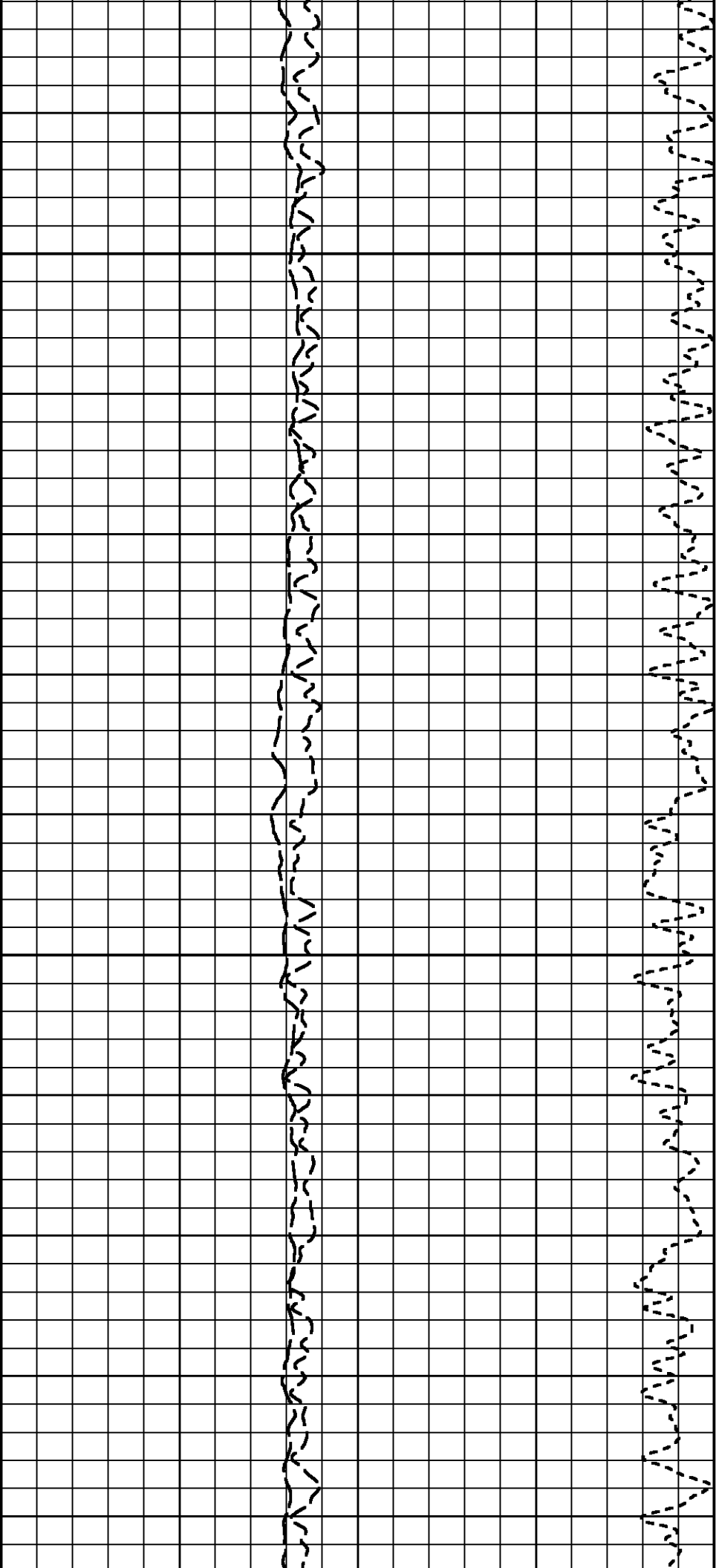




1200

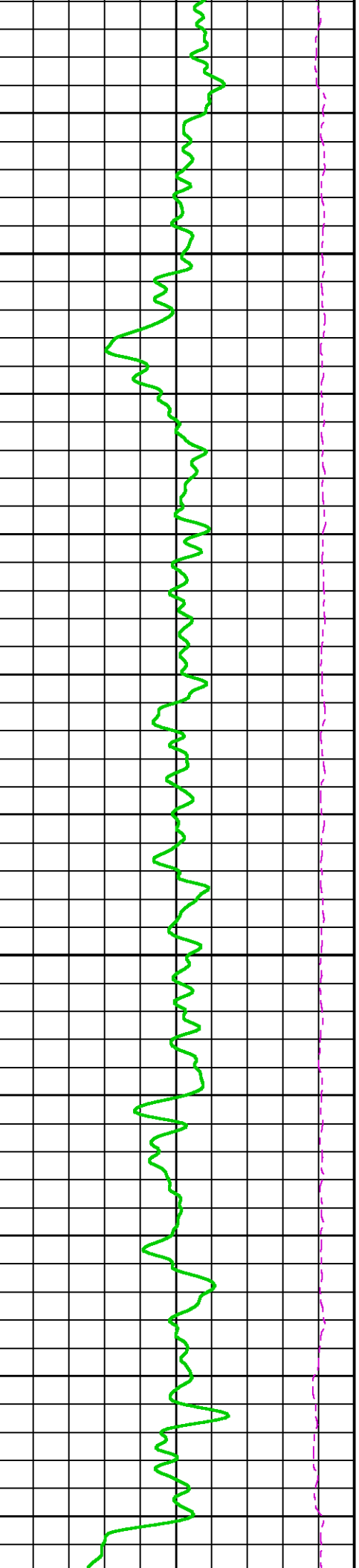
1225

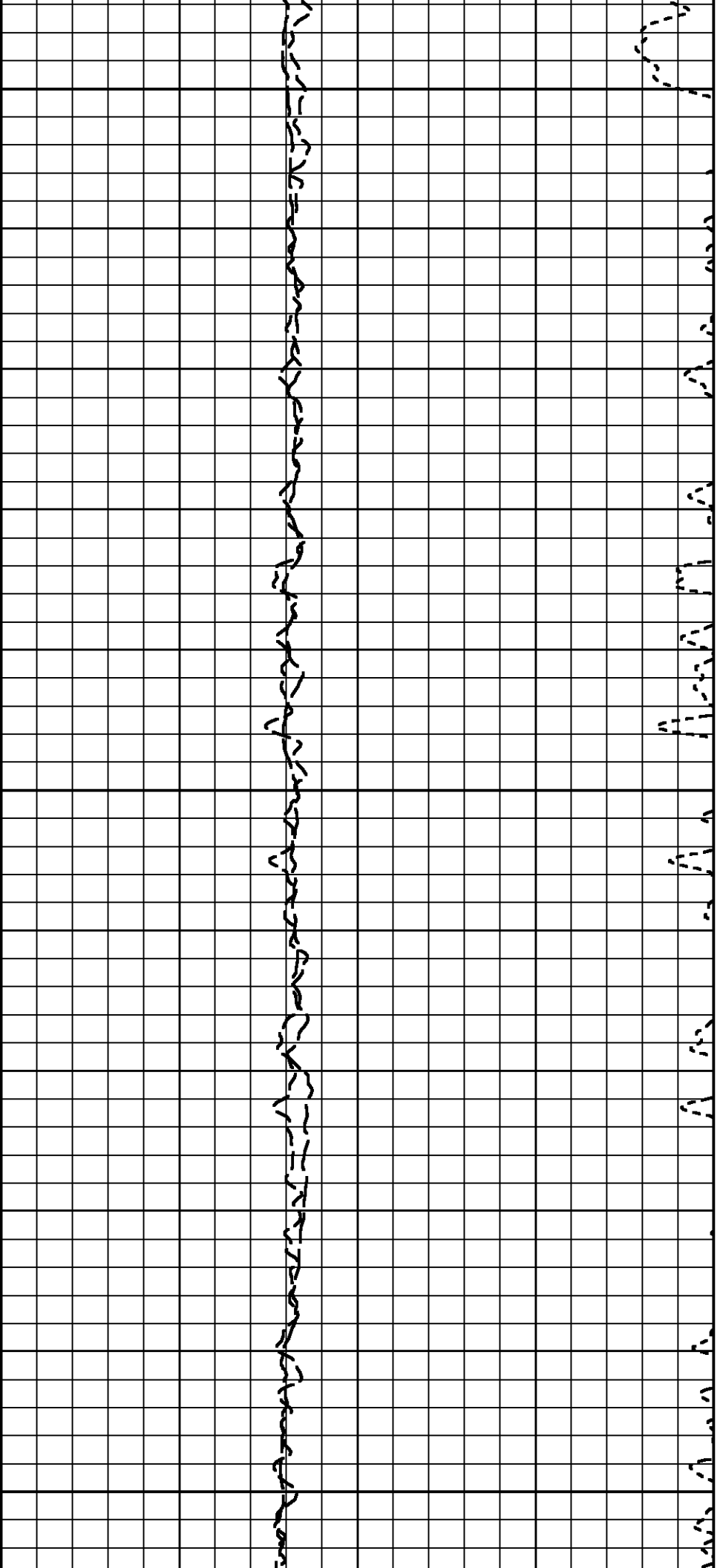




1250

1275

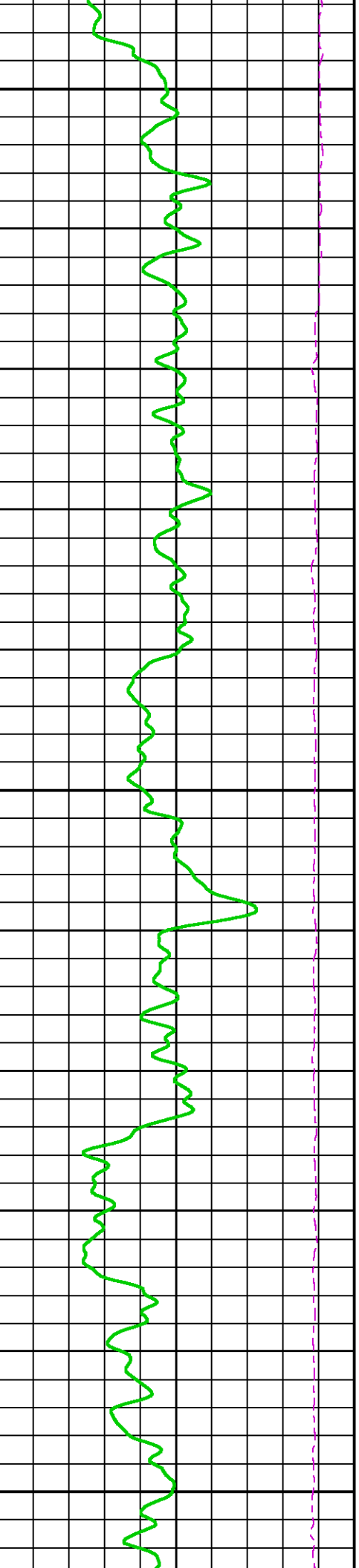


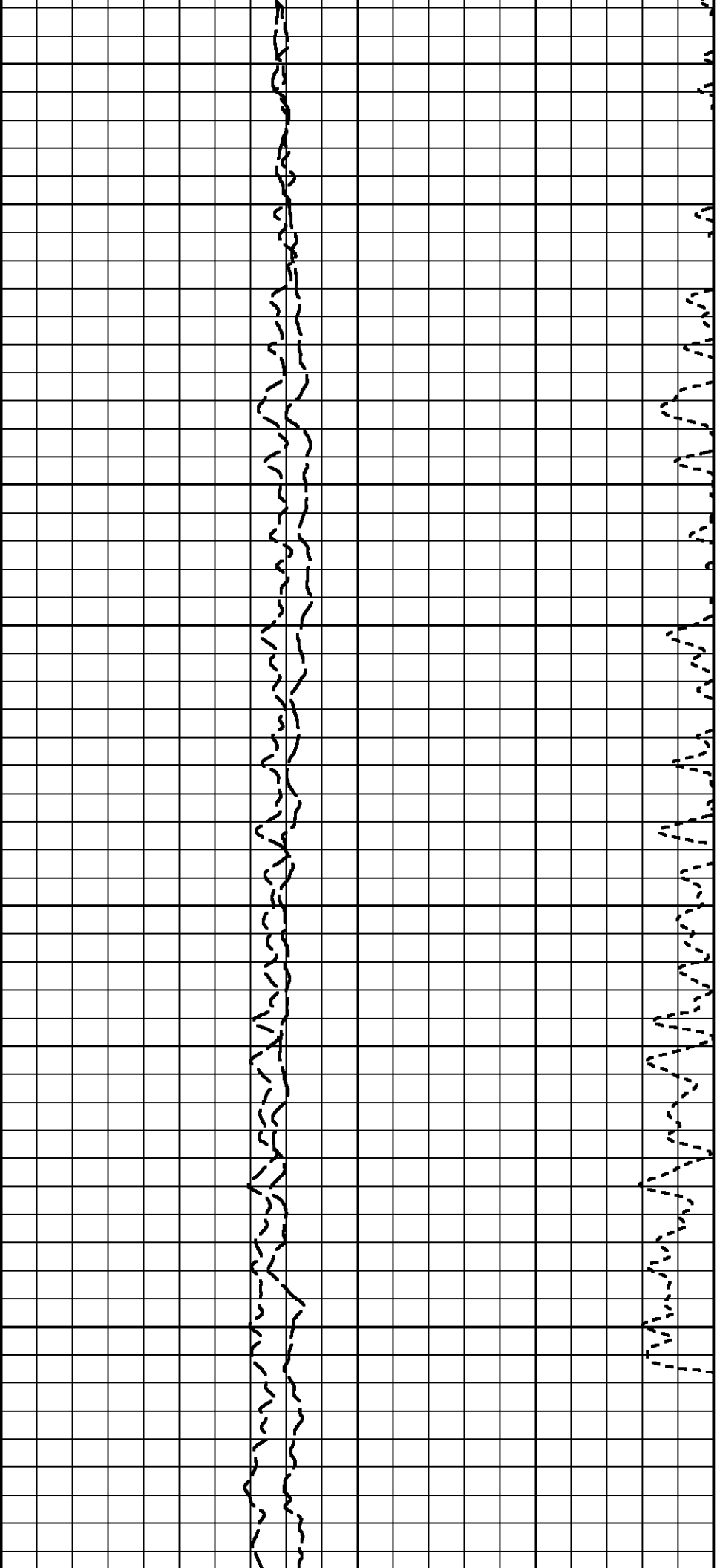


1300

1325

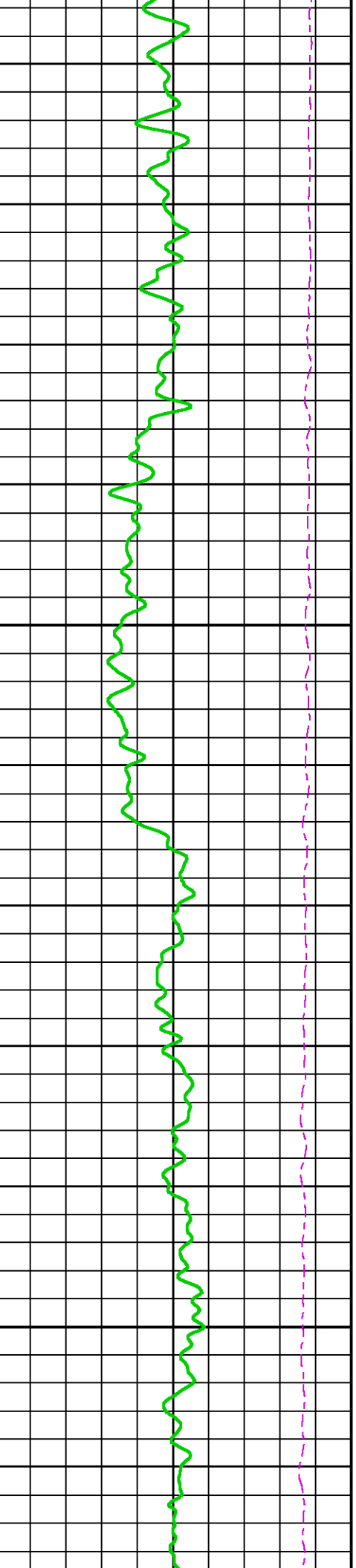
1350

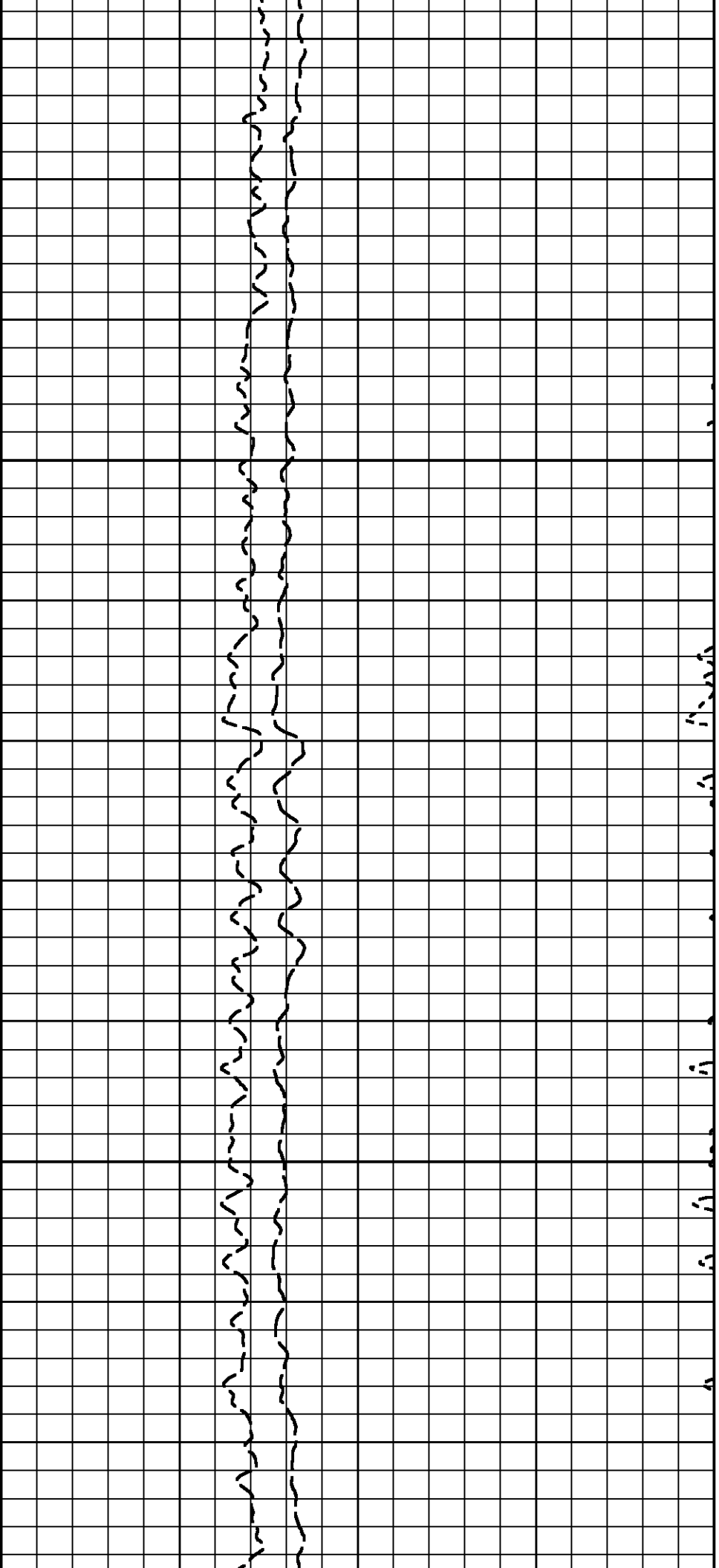




1375

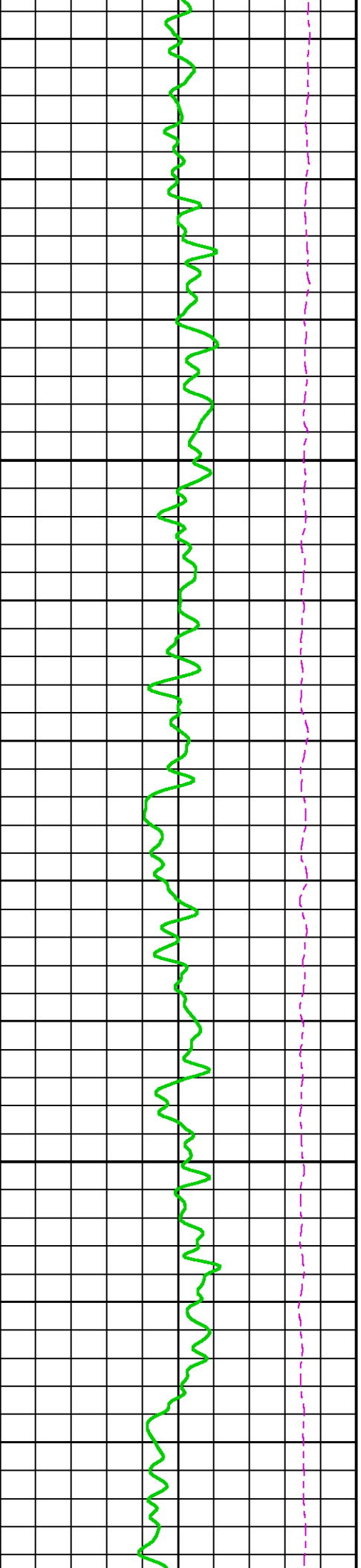
1400

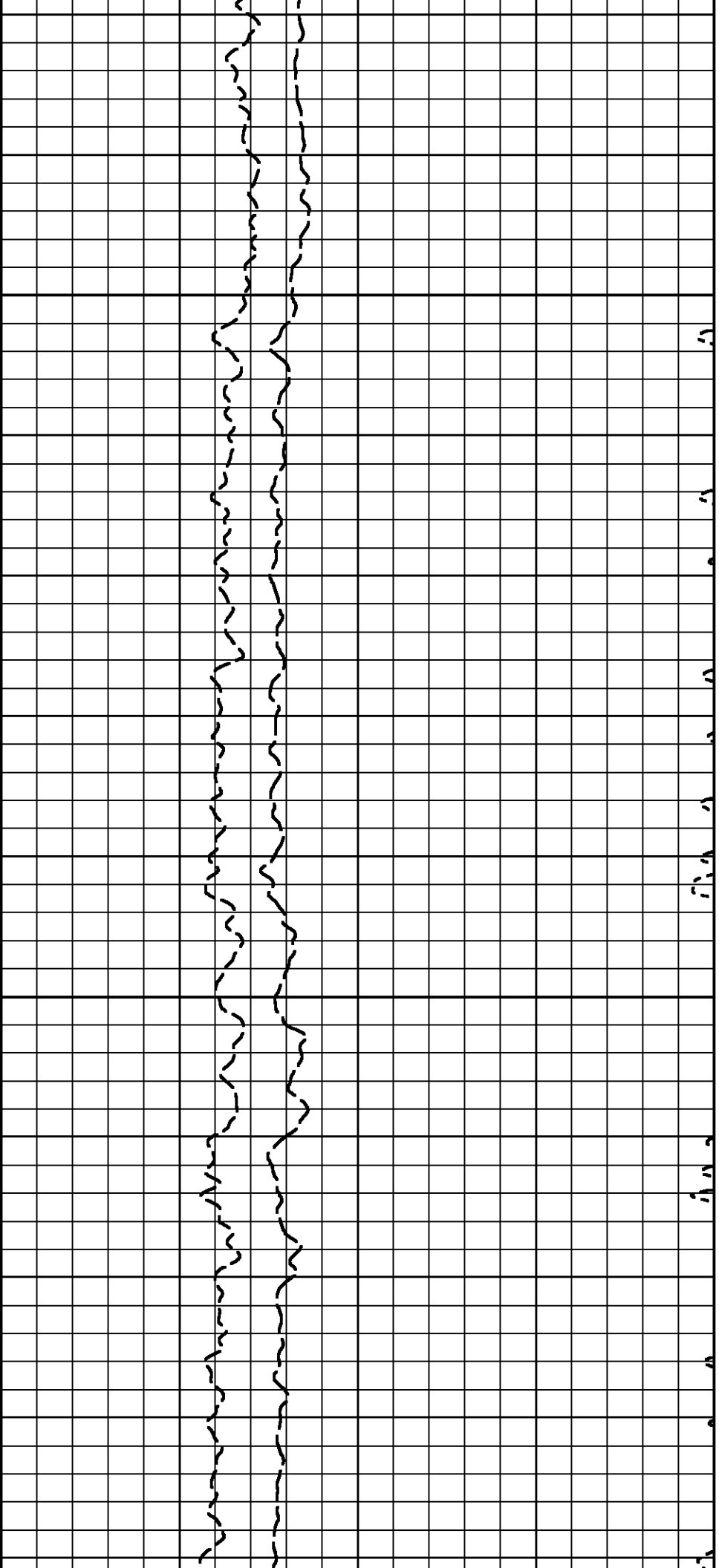




1425

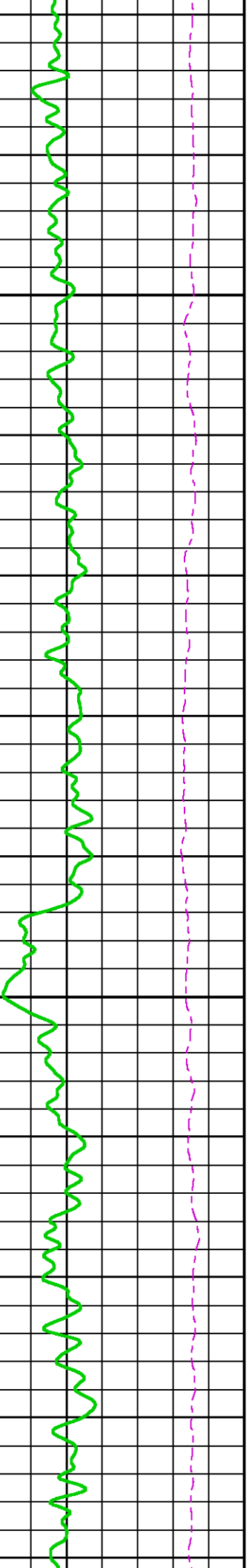
1450

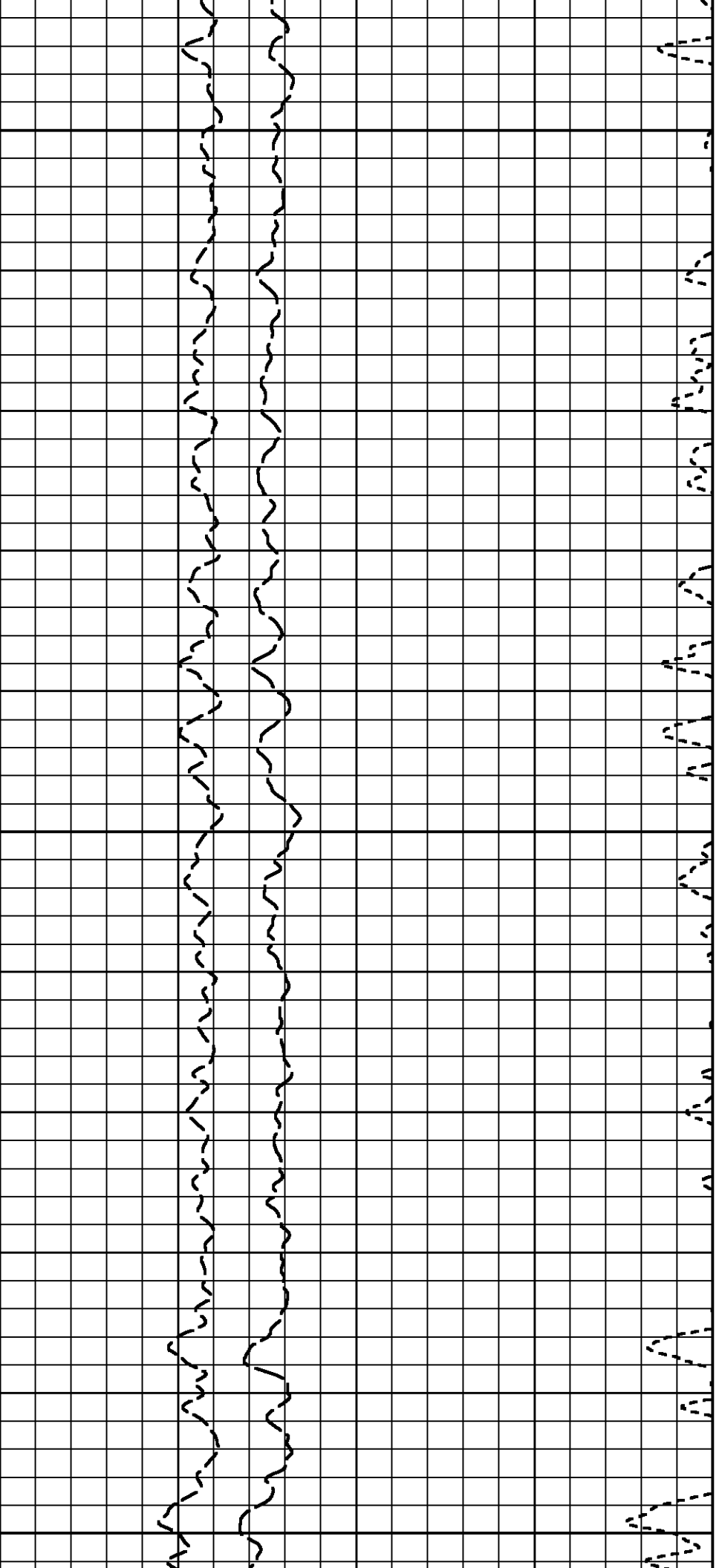




1475

1500

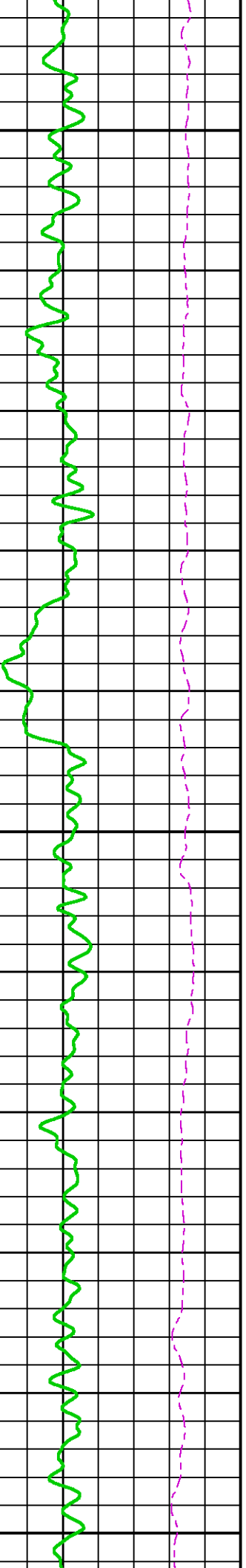


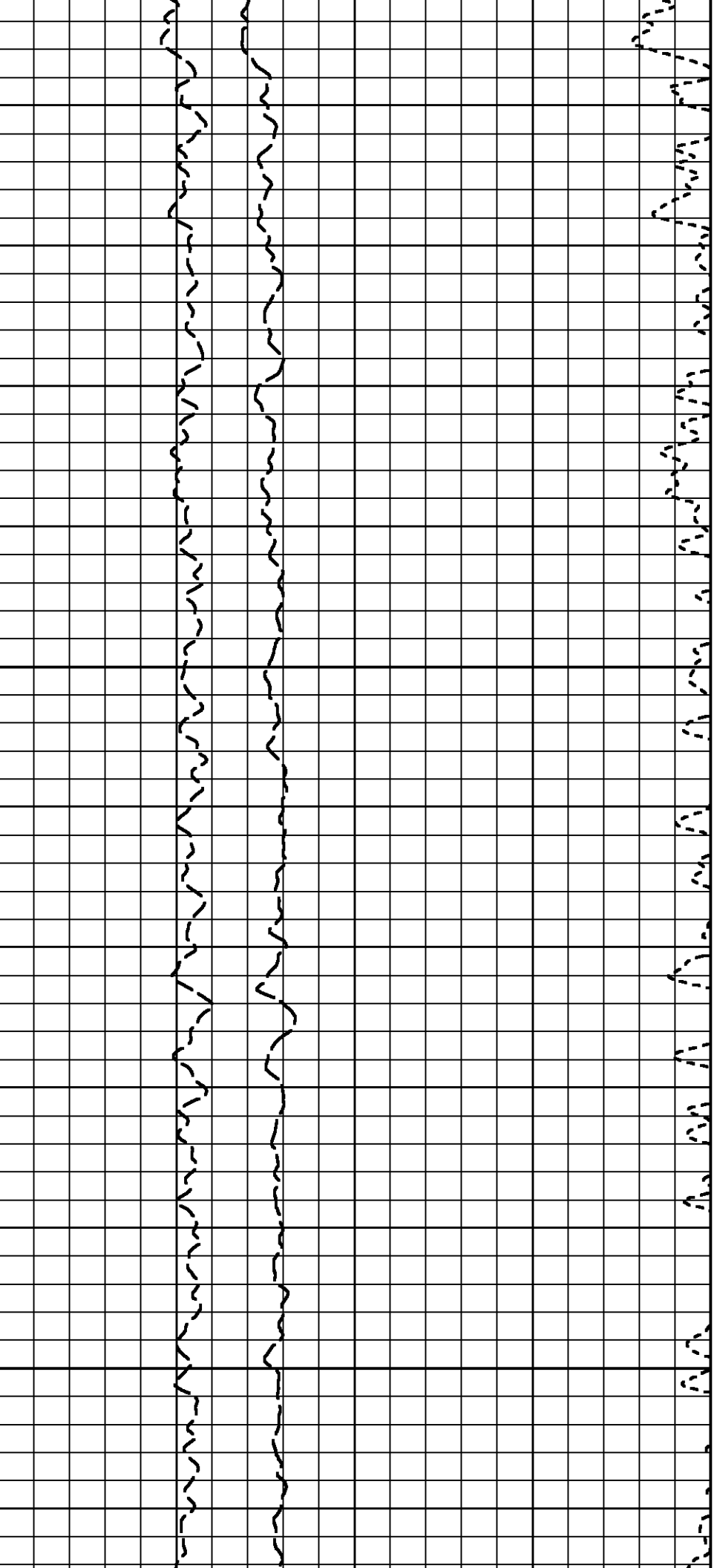


1525

1550

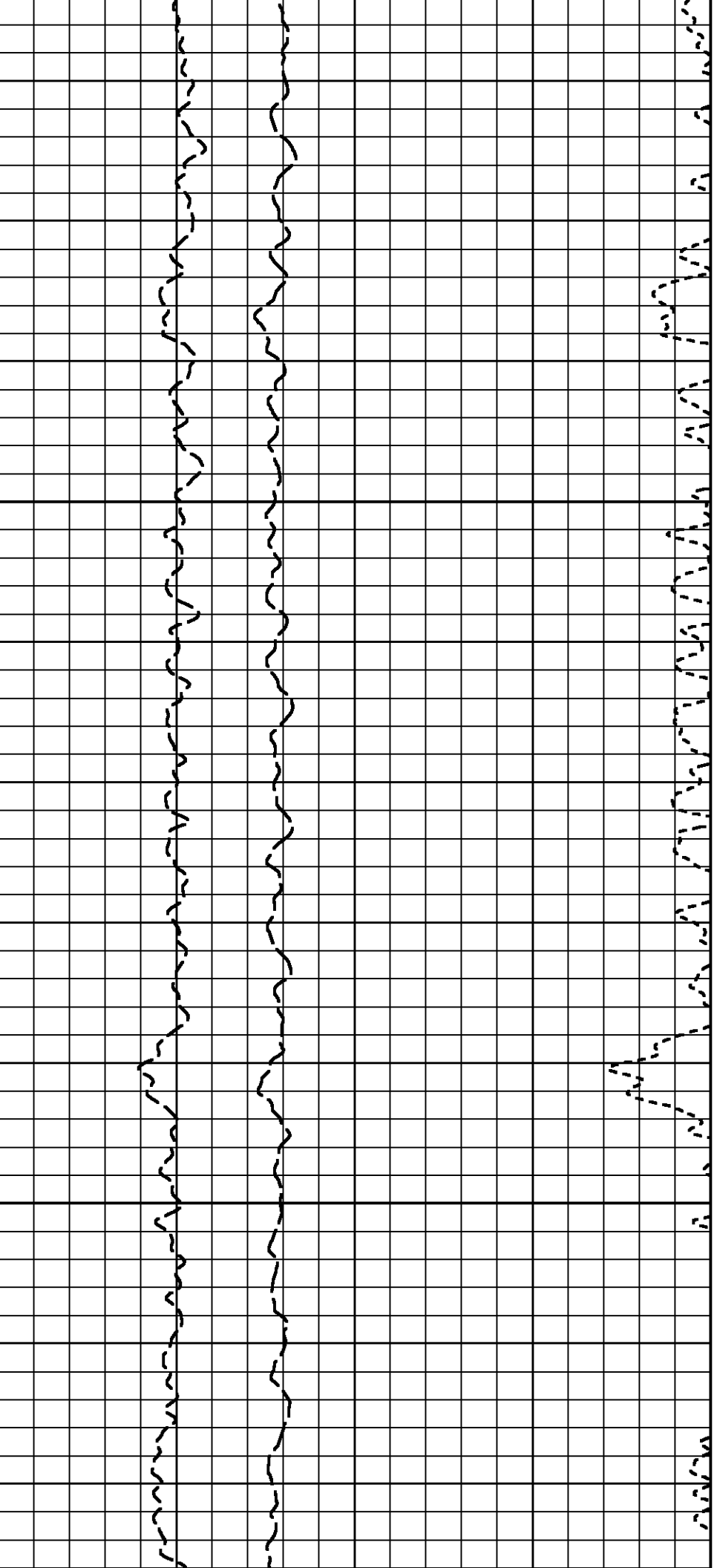
1575





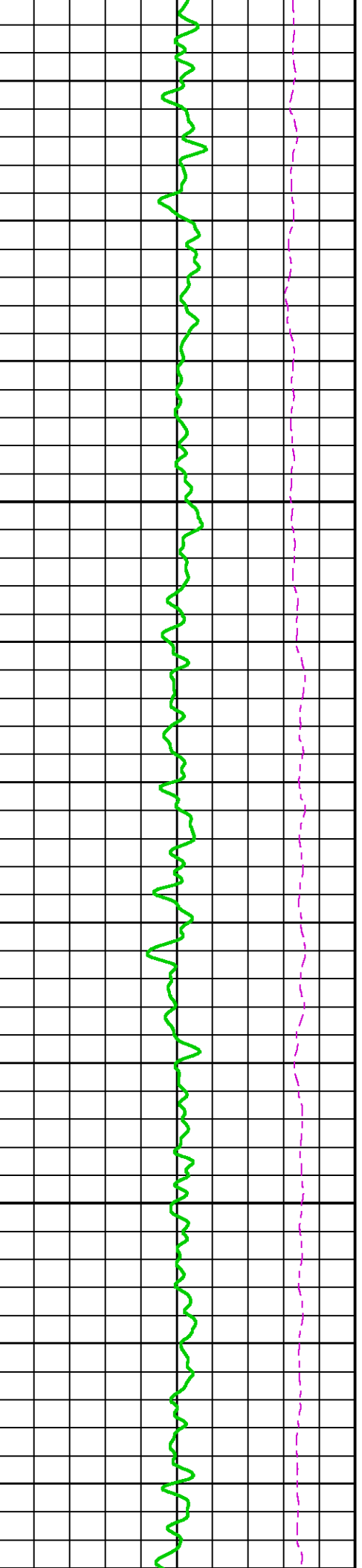
1600

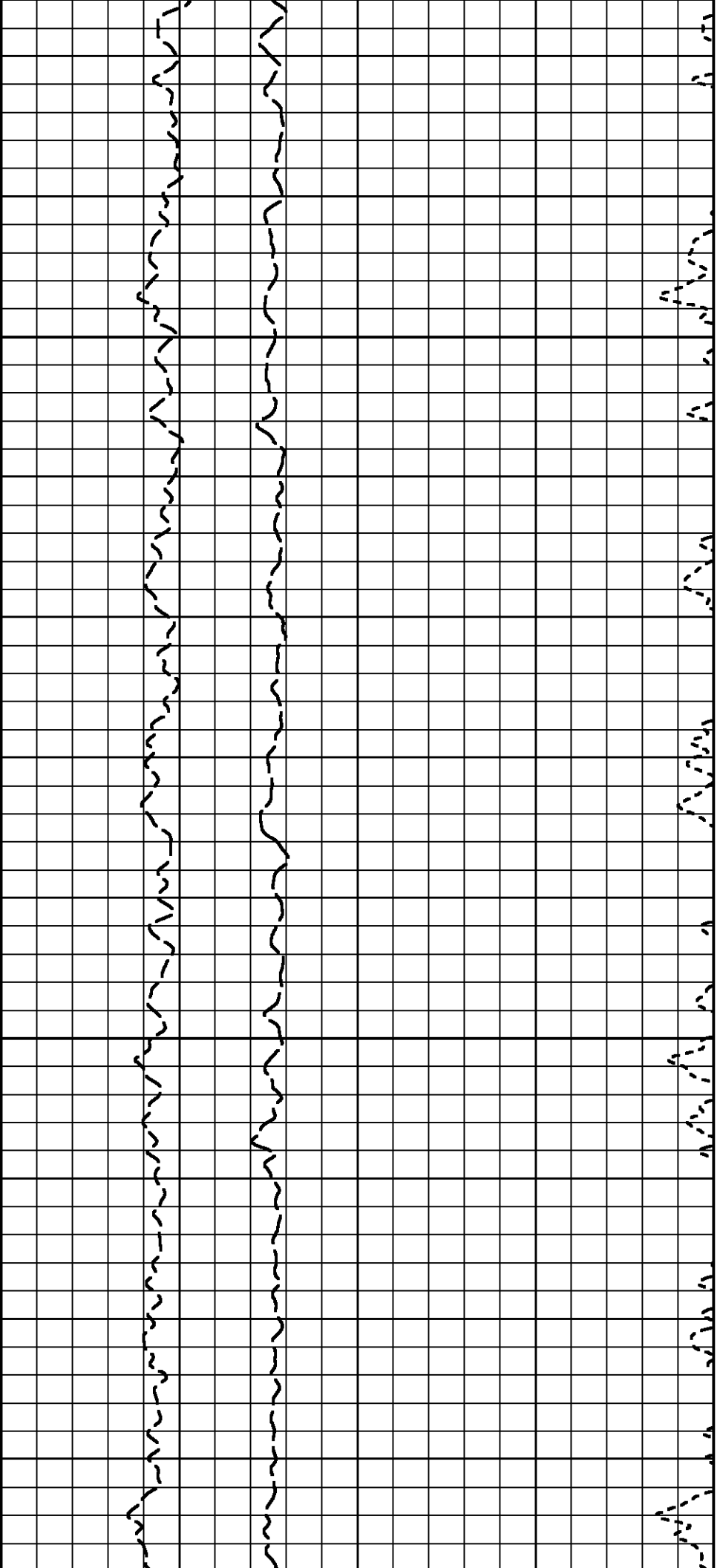
1625



1650

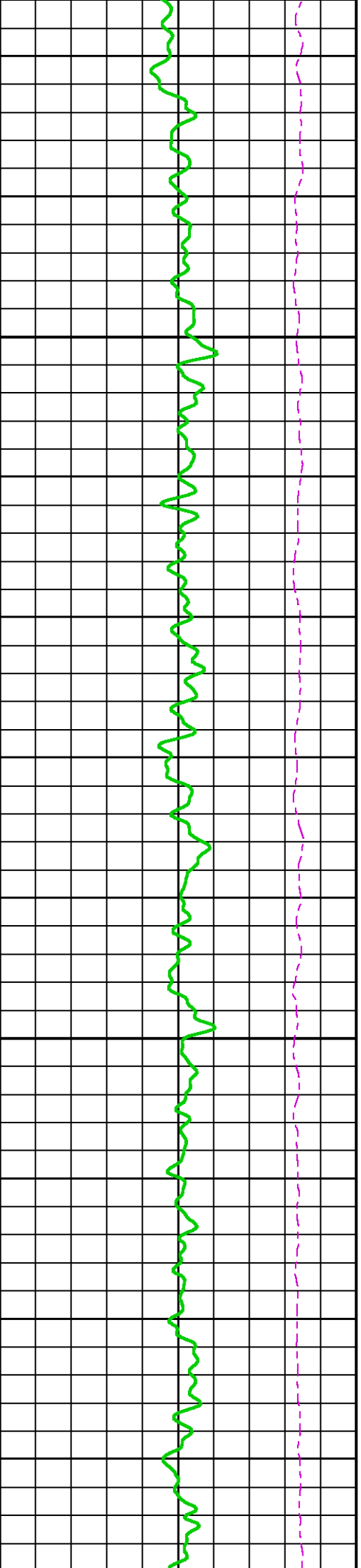
1675

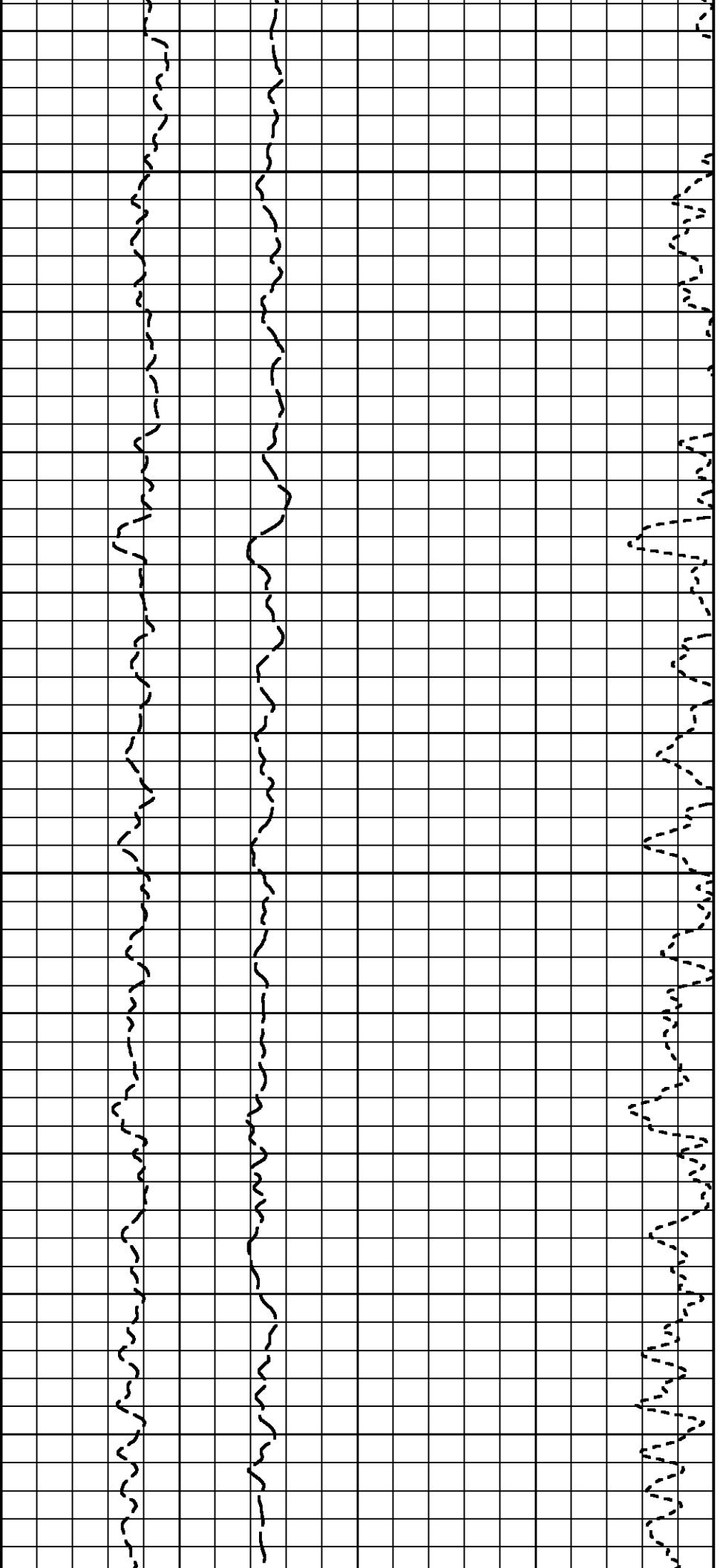




1700

1725

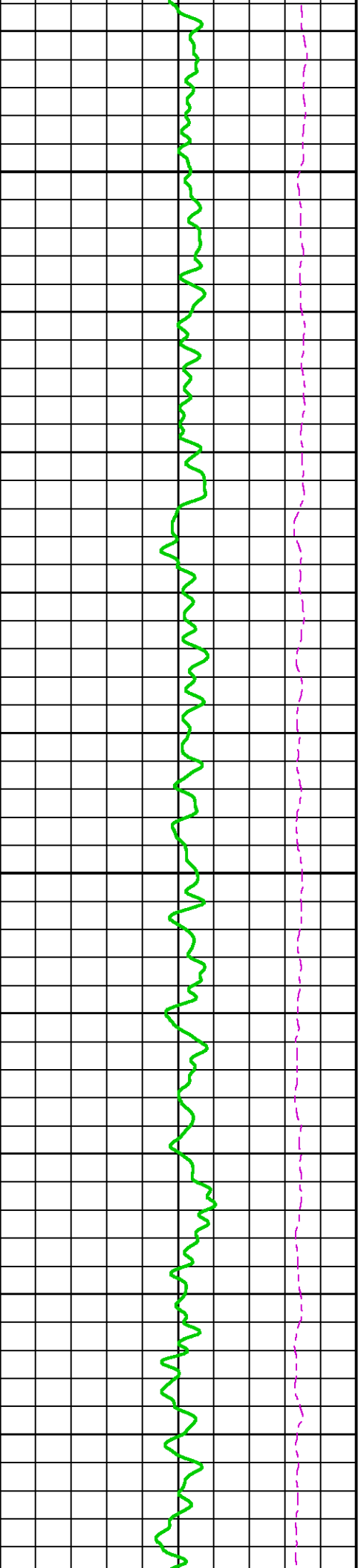


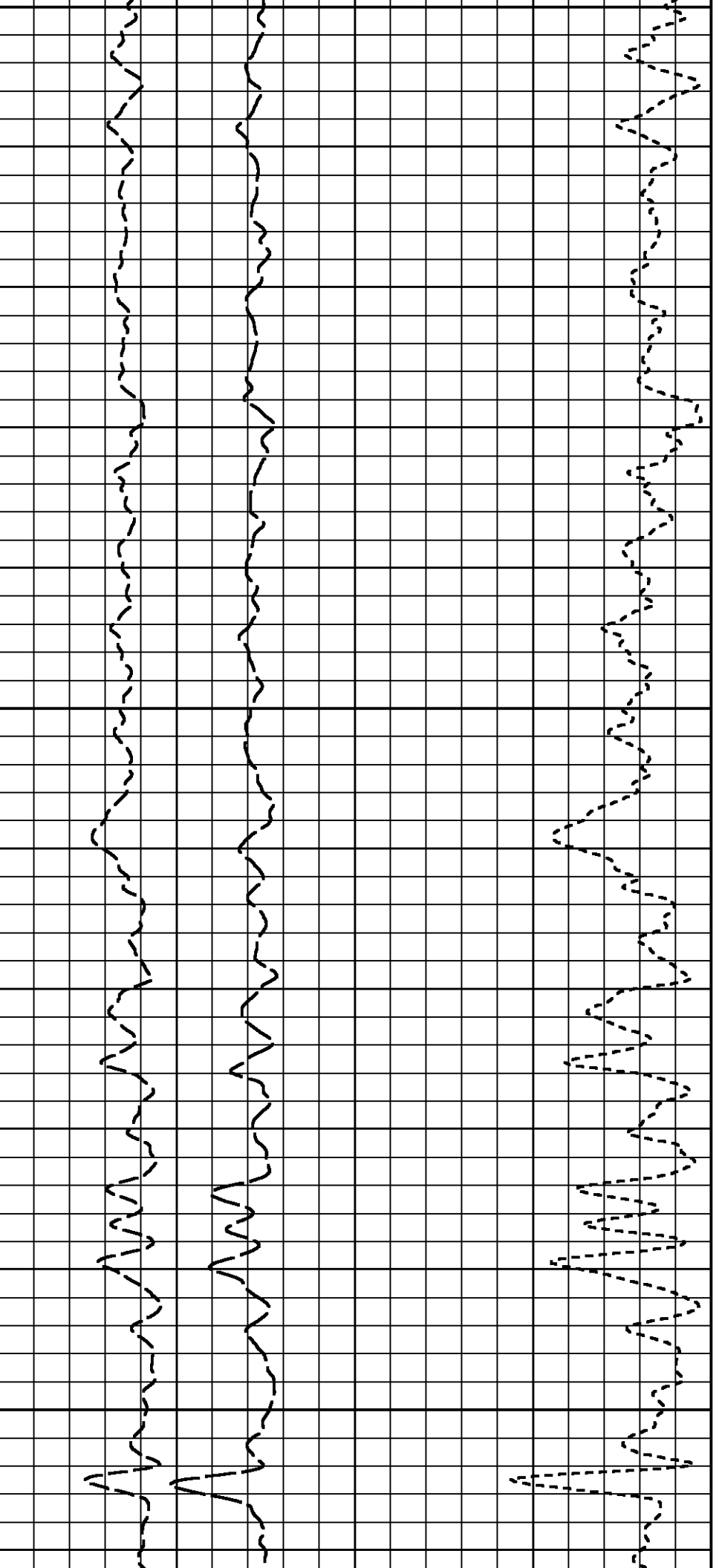


1750

1775

18

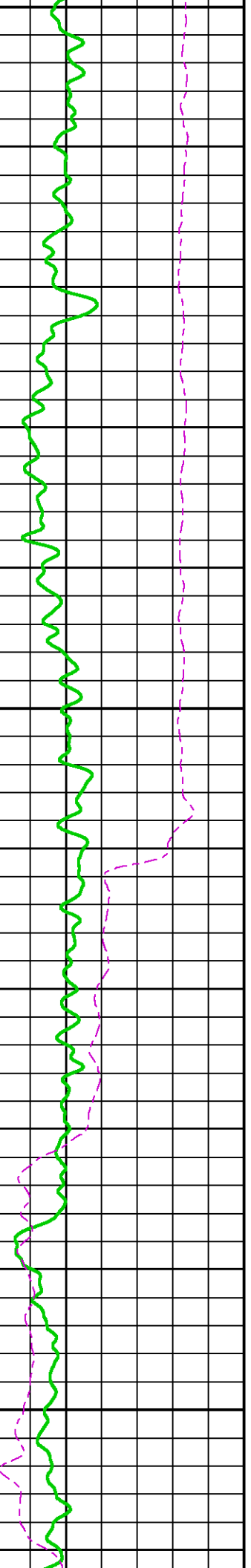


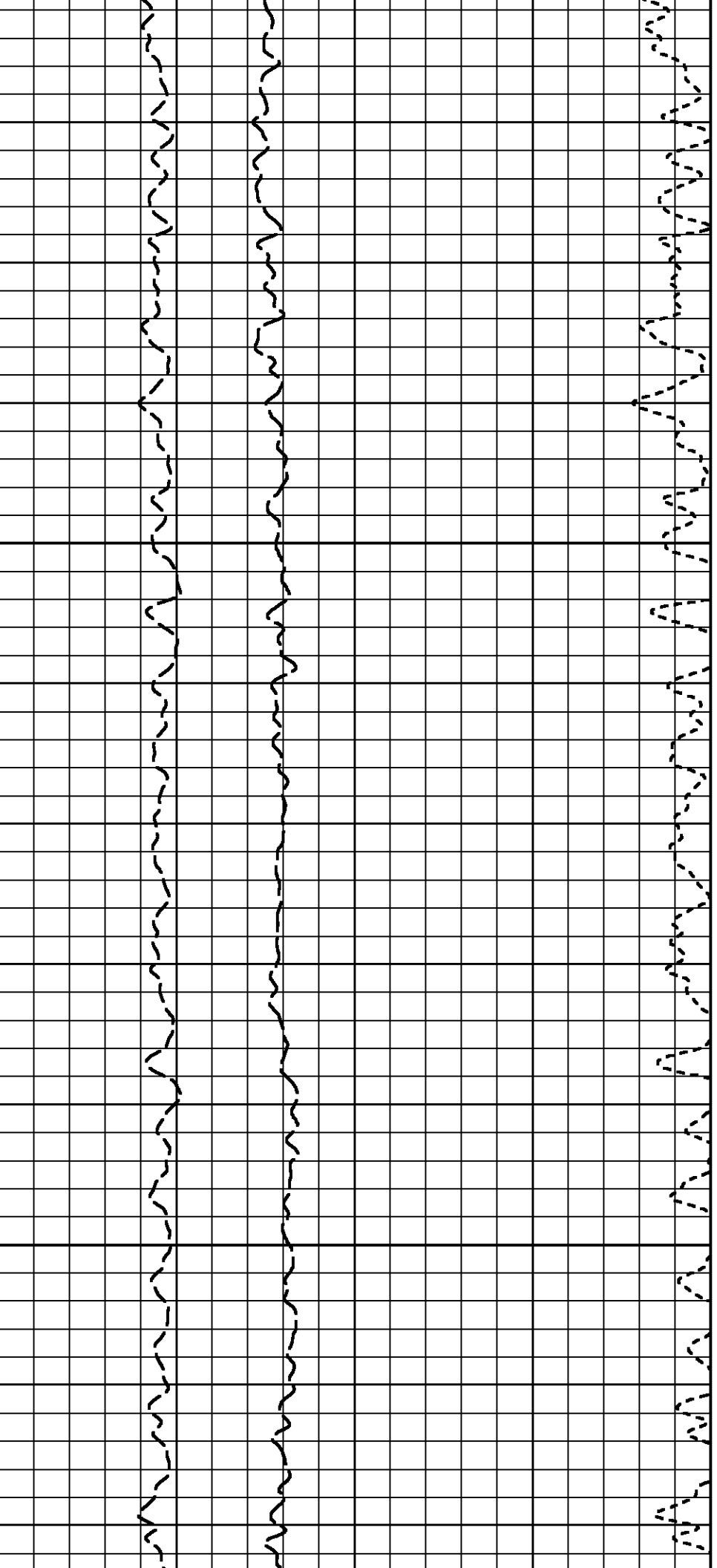


300

1825

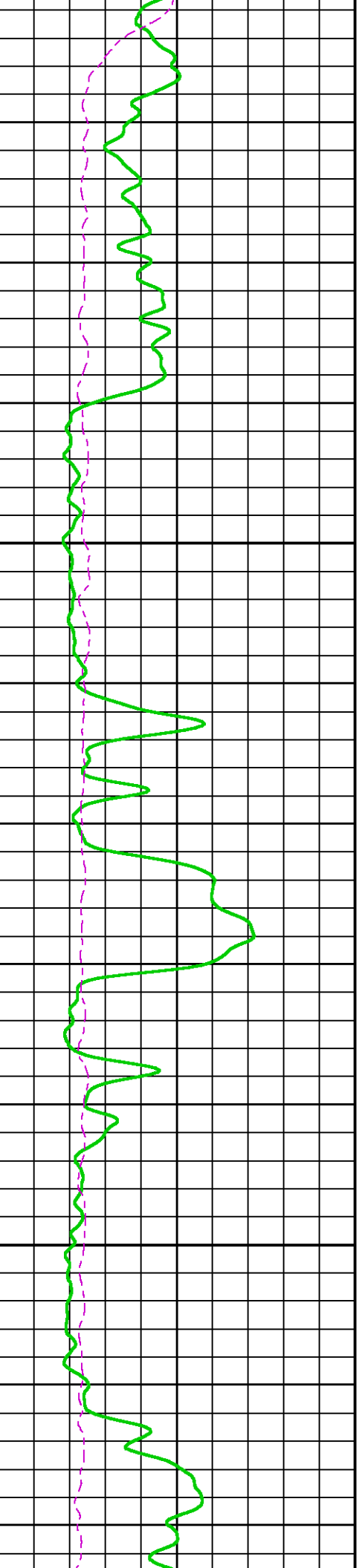
1850

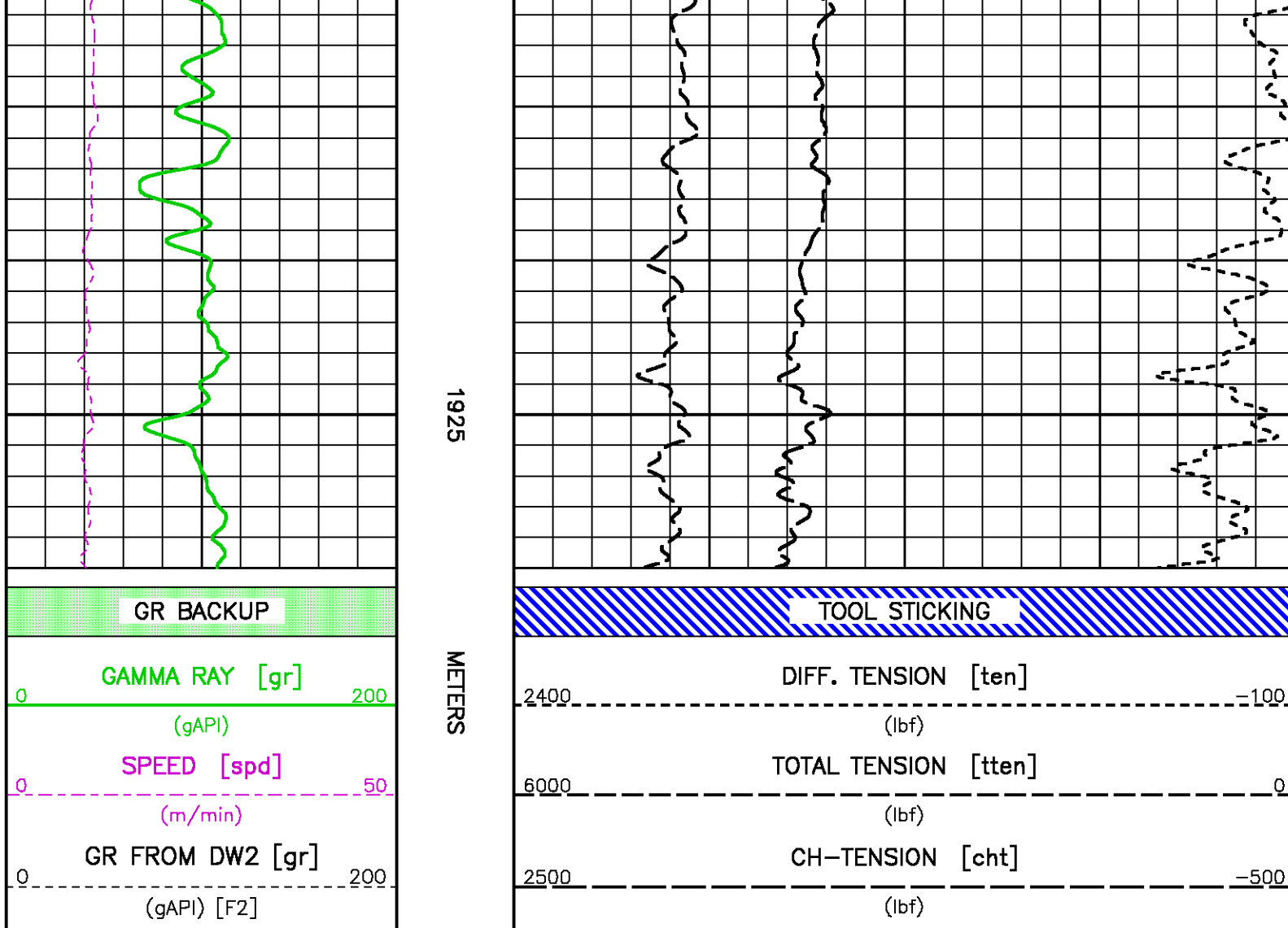




1875

1900





CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/halladale1/dw3/1800a.tp1

CHT PRIMARY CALIBRATION SUMMARY

TOOL #: 3981XA 10045149

DATE/TIME PERFORMED: Sat Mar 12 04:43:14 2005

UNIT #: 3854SA 008677

	Signal (raw)	Low Signal (raw)	High Signal	Scale Mult	Scale Add	Engr Low (lbf)	Engr High (lbf)
CHT	25.90	728.60	3.42	-88.46	0.00	2400.00	

WTSREF PRIMARY CALIBRATION SUMMARY

TOOL #: 3514XA 117394

DATE/TIME PERFORMED: Mon Apr 25 19:38:08 2005

UNIT #: 3854SA 008677

	WCLP	WCHP	WZLP	WZHP	WZLN	WZHN
3510	501	4022	30	251	29	244

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1329XA 176992

DATE/TIME PERFORMED: Sun Apr 10 09:34:58 2005

UNIT #: 3854SA 008677 CALB JIG #: 4702NK wa-761

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	39.91	955.16	915.2	0.164	6.54	156.54	150
			870.0 960.0				

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1329XA 176992

DATE/TIME PERFORMED: Sun Apr 10 09:43:26 2005

UNIT #: 3854SA 008677 VERI JIG #: 4702NK wa-761

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	38.38	956.07	0.164	6.29	156.69	150.40
						140.00 160.00

GR BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1329XA 176992

DATE/TIME PERFORMED: Sat Apr 23 04:37:11 2005

UNIT #: 3854SA 008677 VERI JIG #: 4702NK wa-761

	BACKGROUND (cts/s)	CALBRTR ON (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	33.38	941.02	0.164	5.47	154.22	148.75
						140.40 160.40

GR AFTER LOG VERIFICATION SUMMARY

TOOL #: 1329XA 176992

DATE/TIME PERFORMED: Mon Apr 25 23:24:38 2005

UNIT #: 3854SA 008677

VERI JIG #: 4702NK wa-761

	BACKGROUND CALBRTR ON (cts/s)	MULT	BACKGROUND CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	56.18	923.16	0.164	9.21
			151.30	142.09
				138.75 158.75

RCICAL-K PRIMARY CALIBRATION SUMMARY

GAUGE #: 1970KB 031925

DATE/TIME PERFORMED: Mon Apr 25 19:04:36 2005

UNIT #: 3854SA 008677

	Coeff	A0	A1	A2	A3
Pres					
A	-3.799720E+03	1.262835E+01	-9.627081E-01	-1.732046E-02	1.232615E-05
B	6.379788E+01	4.021728E+01	-3.152937E-02	3.174752E-05	-4.994256E-08
C	-3.818792E-02	-1.005173E-02	2.743480E-05	-6.388903E-08	5.395515E-11
D	3.331611E-05	3.390516E-06	-4.313803E-08	4.192698E-11	-4.285634E-14
E	-1.684514E-08	9.983152E-10	4.556707E-11	2.727151E-14	4.023222E-17

FP0 FTO MP MT

Prescale A&M 19624.0 48119.0 0.01 0.01

	F(pres) (Hz)	F(temp) (Hz)	F(ref) (Hz)	DIFF(pres) (psi)	Pressure (psi)	Temp (degC)
Coeff Test	12000.0	1500.0	2200000.0	1.00000	7488.04	214.14

	Coeff	A0	A1	A2	A3
Temp					
G	2.338429E+02	2.506167E+01	-6.994116E-01	-7.071753E-04	-4.784827E-07
H	-9.527662E-02	-2.401944E-01	-5.674617E-04	-5.604047E-07	-5.393230E-11
I	-1.912746E-05	-9.917298E-05	-1.559685E-07	3.793295E-12	-1.480401E-13
J	-3.205703E-08	-4.759333E-08	-1.940450E-10	-4.282889E-13	-1.444684E-16

R/C_CAL PRIMARY CALIBRATION SUMMARY

SENSOR #: 1970KB 154756

DATE/TIME PERFORMED: Fri Feb 18 14:56:45 2005

SENSOR #: 1970MB 154356

DATE/TIME PERFORMED: Fri Feb 18 14:56:45 2005

UNIT #: 3854SA 008677

	V1 (mV)	V2 (mV)	V1P (mV)	V2P (mV)	V1C (mV)	V2C (mV)	V1PC (mV)	V2PC (mV)
LOAD	-74.8	-225.3	-62.4	-271.1	-1924.1	1038.4	-1930.7	965.9
OPEN	-76.1	-226.0	-68.3	-274.2	-1854.5	1057.3	-1866.8	980.9
SHORT	-83.9	-226.7	-67.2	-271.8	-1980.0	1024.7	-1982.3	955.0
THRU	-1395.2	-1728.2	-1362.2	-1783.0	-1931.3	1055.6	-1936.8	982.9
90 deg.	1418.4	-1347.7	1444.4	-1373.7	-1939.4	1036.9	-1945.7	963.5

	A	C	delta	Delta	epsilon	phi	gamma	tau	r
Elect. Coeff	0.0102	2334.3	0.0607	3.9627	0.0123	2.4728	0.9374	9.1957	0.1126

	R	rho	thetabx	V	01	02	03	04
Elect. Coeff	56.9495	0.1994	3.9994	2017.4	-92.67	-211.58	-80.47	-257.65

	V1 (mV)	V2 (mV)	V1C (mV)	V2C (mV)	ATTEN (dB)	ERROR (%)	PHASE (deg)	ERROR (%)
Low Test	-1193.8	-1610.9	-1932.7	1054.2	0.9965	0.24	2.4377	3.46
High Test	-96.1	-227.5	-1924.6	1039.7	39.4373	5.64	313.60	0.29

	V1 (mV)	V2 (mV)	V1P (mV)	V2P (mV)	V1C (mV)	V2C (mV)	V1PC (mV)	V2PC (mV)	alpha	theta
Sensor	-2251.7	-851.9	-2229.2	-918.9	-1942.1	1055.7	-1947.7	982.7	1.1003	3.3805

R/C_CAL PRIMARY VERIFICATION SUMMARY

SENSOR #: 1970MB 154356

DATE/TIME PERFORMED: Fri Feb 18 15:26:59 2005

UNIT #: 3854SA 008677

	V1 (mV)	V2 (mV)	V1P (mV)	V2P (mV)	V1C (mV)	V2C (mV)	V1PC (mV)	V2PC (mV)
Air	-2204.7	-830.6	-2183.4	-894.3	-1913.6	1065.4	-1919.8	996.0
Fluid	-583.7	-838.2	-561.2	-883.8	-1947.9	1044.9	-1952.3	977.1

	ATTEN	PHASE	COND (mS/m)	DIEL
Air	0.1268	-0.054	11.2470	0.9947

Fluid

8.8913

36.913

67.1569

61.7139

RCICAL-L PRIMARY CALIBRATION SUMMARY

GAUGE #: 1970LB 040107

DATE/TIME PERFORMED: Mon Apr 25 19:03:56 2005

UNIT #: 3854SA 008677

	Coeff	A0	A1	A2	A3
Pres					
A	-2.919454E+03	6.825378E+01	-1.487700E+00	-1.802806E-02	1.186337E-05
B	6.287871E+01	4.159307E+01	-3.201871E-02	4.052950E-05	-3.531881E-08
C	-3.516198E-02	-1.011352E-02	2.949793E-05	-1.022449E-07	-4.396280E-11
D	2.908932E-05	6.355028E-07	-8.239436E-08	-1.375819E-11	3.311584E-14
E	-1.391487E-08	6.115488E-09	1.279390E-10	3.026316E-13	2.707430E-16

FPO

FTO

MP

MT

Prescale A&M 23448.0 44580.0 0.01 0.01

	F(pres) (Hz)	F(temp) (Hz)	F(ref) (Hz)	DIFF(pres) (psi)	Pressure (psi)	Temp (degC)
Coeff Test	12000.0	1500.0	2200000.0	1.00000	6255.95	203.12

	Coeff	A0	A1	A2	A3
Temp					
G	2.196981E+02	2.365409E+01	-6.999753E-01	-7.037178E-04	-4.751283E-07
H	-9.977815E-02	-2.396049E-01	-5.541599E-04	-5.650197E-07	-1.469657E-10
I	-3.581108E-05	-9.583394E-05	-1.933499E-07	-1.681348E-10	-1.599434E-13
J	-1.857617E-08	-5.985964E-08	-2.705544E-10	-5.665906E-13	-3.702341E-16

COMPANY
WELL
FIELD
RIG NAMEWOODSIDE ENERGY LTD.
HALLADALE-1 DW3
HALLADALE
OCEAN PATRIOT COUNTRY AUSTRALIA

FILE NO:

API NO:
VIC/P37(V)

Baker Atlas

LOCATION:

ELEVATIONS:

SCALE 1:200



LOCATION:

LAT: 38 DEG 34' 45.54" S
LONG: 142 DEG 43' 50.95" E
EASTING: 650763.2 M
NORTHING: 5728485.2 M

ELEVATIONS:

KB —
DF 21.5 M
GL -44.8 M

SCALE 1:200
FINAL PRINT
GDA94 MGA54
CM 141 DEG (E)

DATE 25-APR-2005