



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: ____ Perforate ____ Protect Casing ____ Plug Back TD ____ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Noble Petroleum, Inc.
Well Name	Van Allen 1
Doc ID	1048277

Tops

Name	Top	Datum
BROWN LIME	2621	-1341
STALNAKER SAND	2633	-1353
KANSAS CITY	2989	-1709
BKC	3223	-1942
MARMATON	3322	-2042
MISSISSIPPIAN	3644	-2364
KINDERHOOK	4033	-2753
SIMPSON SAND	4087	-2807
TD	4098	-2818



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 29153  
LOCATION Eureka  
FOREMAN Steve Arred

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-7-10	5631	Van Allen #1	23	315	16	Sumner
CUSTOMER <u>Noble Petroleum Inc</u>			TRUCK #			
MAILING ADDRESS <u>3101 N. Rock Rd. Ste 125</u>			DRIVER			
CITY <u>Wichita</u>		STATE <u>KS</u>	ZIP CODE <u>67226</u>	TRUCK #		DRIVER
			<u>485</u>		<u>SAFTY Meeting Jim</u>	
			<u>543</u>		<u>Dave DG</u>	
			<u>Alan</u>		<u>Am</u>	

JOB TYPE Surface O HOLE SIZE 12 1/4 HOLE DEPTH 265' CASING SIZE & WEIGHT 8 1/2" 25"  
 CASING DEPTH 256' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8" SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 15 1/2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 8 1/2" casing. Break circulation w/ 10 bbls fresh water. Mix 175 sks Class A Cement w/ 3% CaCl2, 2% Gel & 1/4" Flocc per sk. Displace with 15 1/2 bbls fresh water. Shut casing in. Good cement returns to surface 15 bbls slurry to pit. Job complete Rig down

*Thank you*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	725.00	725.00
5406	70	MILEAGE	3.65	255.50
11045	175 sks	Class A Cement	13.50	2362.50
1102	500"	CaCl2 3%	.75	375.00
1118B	330"	Gel. 2%	.20	66.00
1107	44"	Flocc 1/4" per/sk	2.10	92.40
5407A	8.23 Tons	Ton Mileage Bulk Truck	1.20	691.32
			Sub Total	4567.72
			SALES TAX	211.41
			ESTIMATED TOTAL	4779.13

Ravin 3737

231180

AUTHORIZATION Witness by Charlie Coulter TITLE Driver DATE 10-7-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 29761

LOCATION Eureka KS

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
10-21-10	5631	Van Allen #2	23	31S	1E	Sumner																
CUSTOMER Noble Petroleum Inc.			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>520</td> <td>Cliff</td> <td></td> <td></td> </tr> <tr> <td>543</td> <td>Dave</td> <td></td> <td></td> </tr> <tr> <td>437</td> <td>Jim</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	520	Cliff			543	Dave			437	Jim		
TRUCK #	DRIVER	TRUCK #					DRIVER															
520	Cliff																					
543	Dave																					
437	Jim																					
MAILING ADDRESS 3101 N. Rock Rd ste 125																						
CITY Wichita																						
STATE KS		ZIP CODE 67226																				

JOB TYPE longstring 0 HOLE SIZE 7 7/8" HOLE DEPTH 4092' CASING SIZE & WEIGHT 5 1/2" 14"  
 CASING DEPTH 3740' K.B. DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.6 # SLURRY VOL 59 Bbl WATER gal/sk 8.0 CEMENT LEFT in CASING 11' 5J  
 DISPLACEMENT 91.3 Bbl DISPLACEMENT PSI 1200 PSI 1200 RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl fresh water. Pump 15 Bbl metasilicate pre-flush, 5 Bbl water spacer. Mixed 195 sacks thickset cement w/ 5" Kol-seal/sk @ 13.6 #/gal. Washout pump + lines, shut down, release 5 1/2" latch down plug. Displace w/ 91.3 Bbl fresh water. Final pump pressure 1200 PSI. Bump plug to 1200 PSI, wait 2 minutes, release pressure, float & plug hold. Good circulation @ all times while cementing. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	70	MILEAGE	3.65	255.50
1126A	195 sacks	thickset cement	17.00	3315.00
1110A	975 #	5" Kol-seal/sk	.42	409.50
1111A	100 #	metasilicate pre-flush	1.80	180.00
5407A	10.73	ton mileage bulk trk	1.20	901.32
5502C	5 hrs	80 Bbl VAC. TRK	85.00	425.00
1123	3000 gals	city water	14.90/1000	44.70
4454	1	5 1/2" latch down plug	242.00	242.00
4130	6	5 1/2" centralizers	46.00	276.00
4104	3	5 1/2" baskets	219.00	657.00
4159	1	5 1/2" AFU float shoe	328.00	328.00
			subtotal	7959.02
			7.3% SALES TAX	398.01
			ESTIMATED TOTAL	8357.03

Ravin 3737

AUTHORIZATION

*Gay Hed*

TITLE

*2315561 Engineer*

DATE

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

ELEVATION  
K & L 2820  
D.F.  
G.L.

COMPANY: NOKAL & PETROLIUM, INC.  
LEADS: VAN ALLEN NO. 1  
FIELD: MELLINGTON NORTHEAST  
LOCATION: 6602 FSL R 1275 FMI  
SEC 23 TWP 31 S R6E L1W  
COUNTY: SULLY, IOWA  
STATE: KANSAS

CONTRACTOR: C. & G. DRILLING  
SPUD: 01/21/10 COMP: 10/21/2010  
SAMPLES SAVED FROM: 2000 TO 110

FORMATION: SULLY F. L. G. DATE

FORMATION: SULLY F. L. G. DATE

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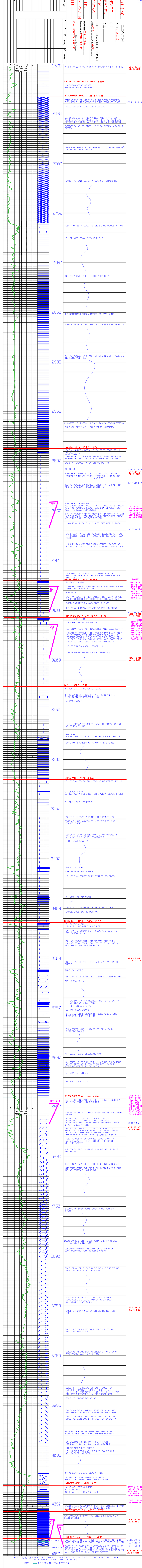
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2600 SH-LT GRAY SLTY PYRITIC TRACE OF LS LT TAN  
 2610 STANTON SAND 2633-1353  
 2650 SAND- LENS OF PERMIABLE AND TITLE SD W/ NO OR SLT RES TO 23% W/ 10% BLUE DEGREE OF SCLLA ELEMENTING FAIR TO SGOOD POROSITY NS OR ODER W/ MICA BROWN AND BLUE-GREEN  
 2700 SAND- AS ABOVE W/ INCREASE IN CARBON FEROUS LAYER NO NO LENS NS  
 2750 SAND- AA BUT SLIGHTY COARSER GRAIN NS  
 2800 LS- TAN SLTY DOLITIC DENSE NO POROSITY NS  
 2850 SH-SILVER GRAY SLTY PYRITIC  
 2900 SH-AS ABOVE BUT SLIGHTY DARKER  
 2950 LS- REDDISH BROWN DENSE FN EXTEN NS  
 3000 SH-LT GRAY W/ FN GRAY SILTSTONES NO POR NS  
 3050 SH-AS ABOVE W/ MINOR LT BROWN SLTY FOSS LS NO RESERVOIR NS  
 3100 LS- REDDISH BROWN DENSE FN EXTEN NS  
 3150 KANSAS CITY 2997-1797  
 3200 SH-BLACK  
 3250 SH-GRAY  
 3300 HURDLE SHALE 3120-1848  
 3350 SH-GRAY  
 3400 MISSISSIPPIAN 3641-2361  
 3450 SH-GRAY  
 3500 CHEROKEE SHALE 3464-2183  
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 3600 MISSISSIPPIAN 3641-2361  
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NOTE: IS 1 IRON MINERALIZATION



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

December 16, 2010

Jay Ablah  
Noble Petroleum, Inc.  
3101 N ROCK RD STE 125  
WICHITA, KS 67226-1300

Re: ACO1  
API 15-191-22587-00-00  
Van Allen 1  
SW/4 Sec.23-31S-01W  
Sumner County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

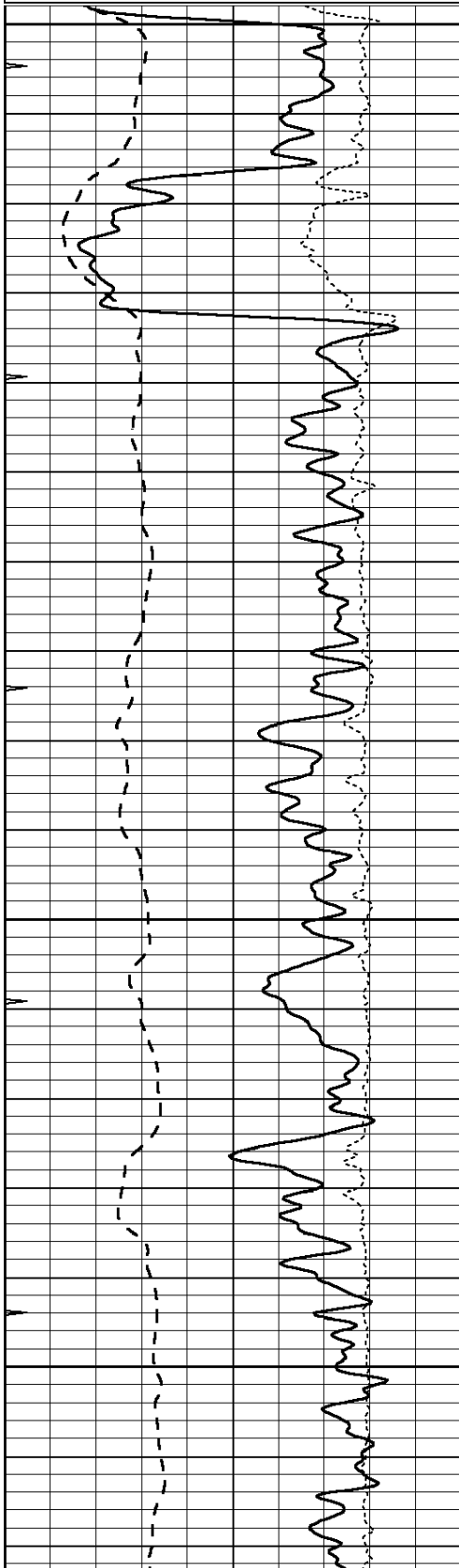
Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jay Ablah

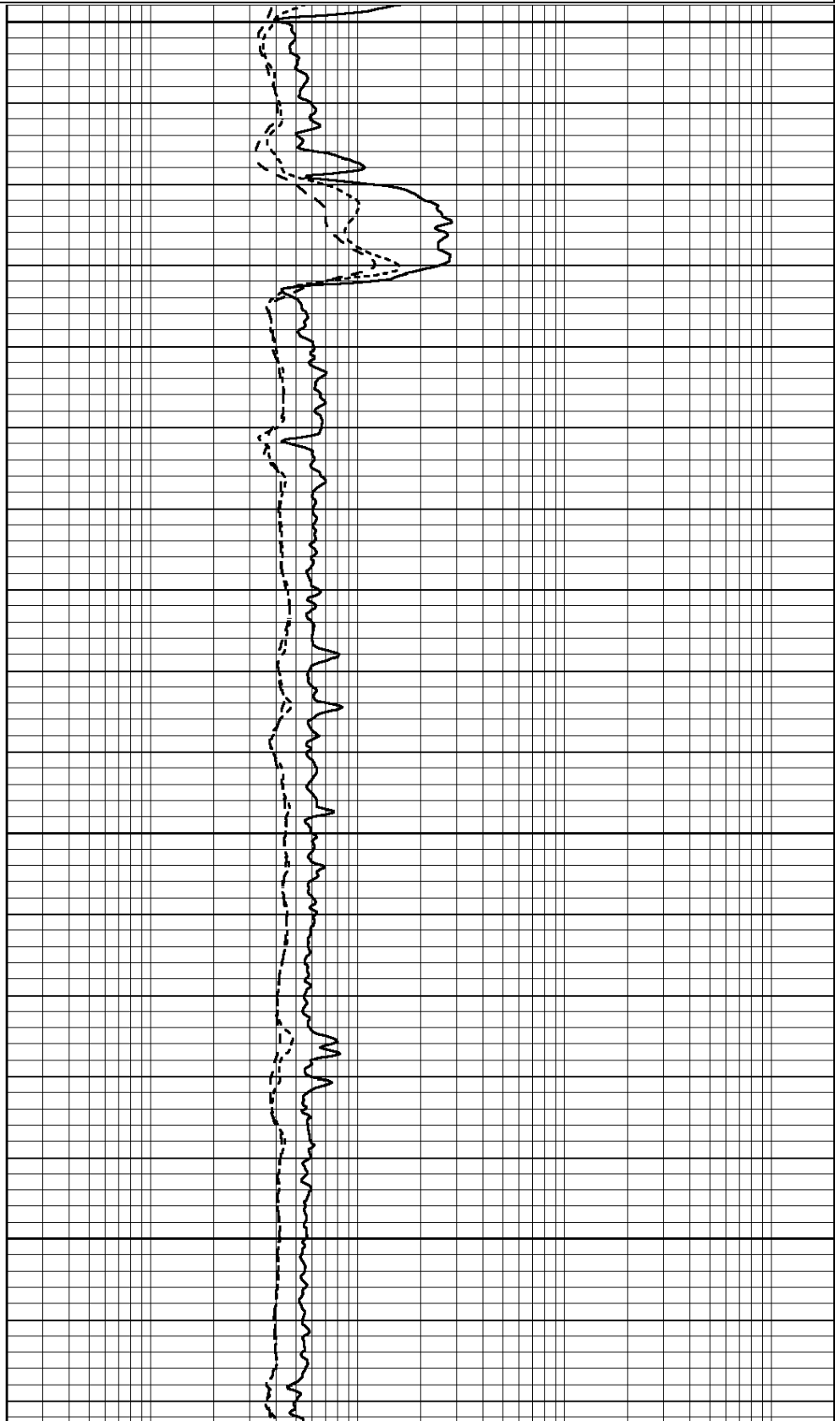
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 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



2400  
 2450  
 2500  
 2550





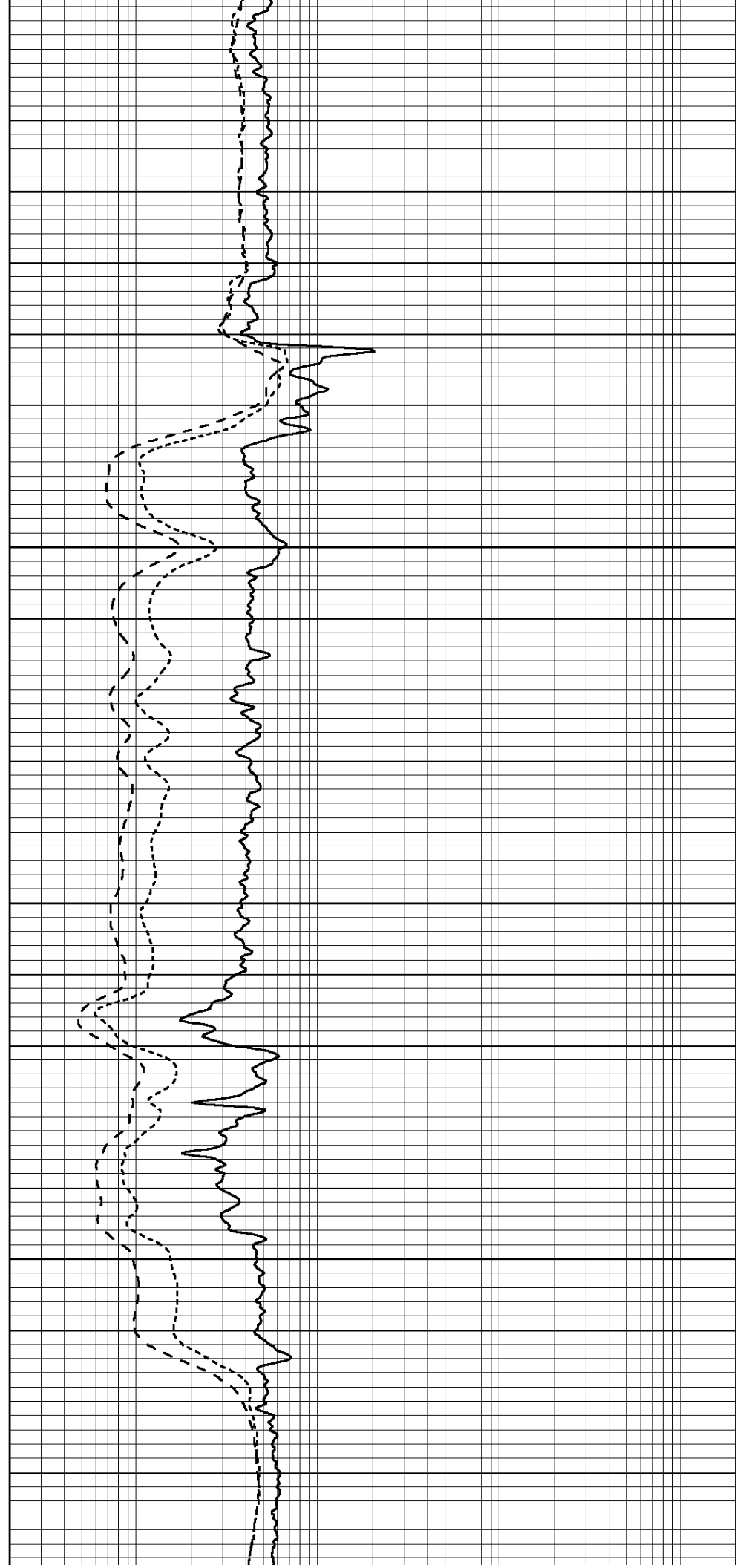


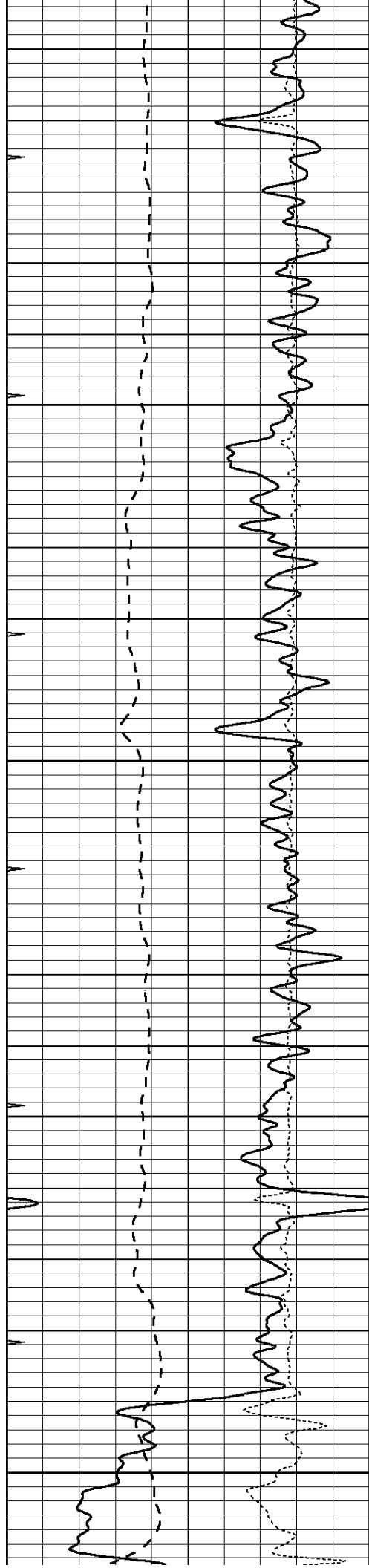
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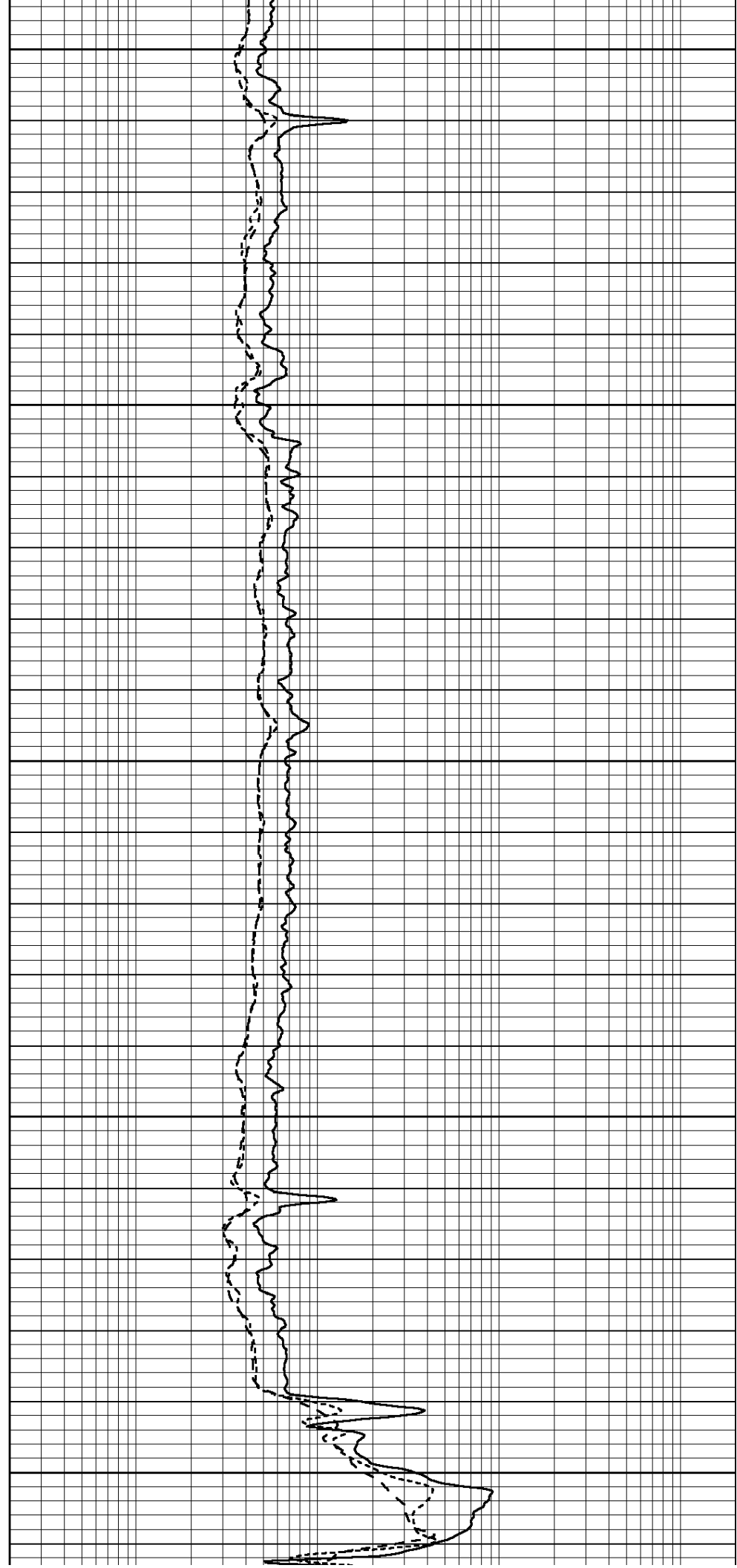
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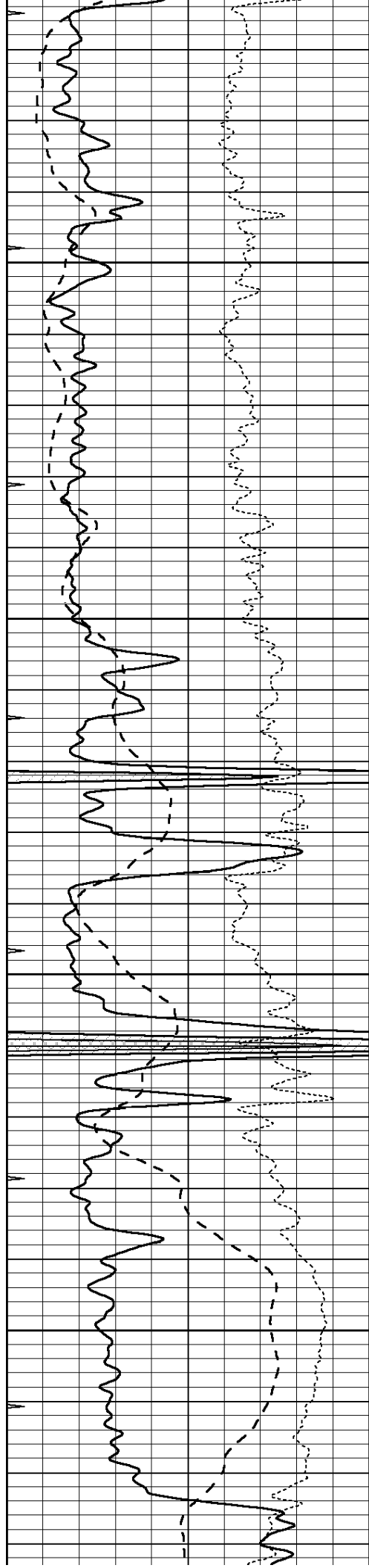
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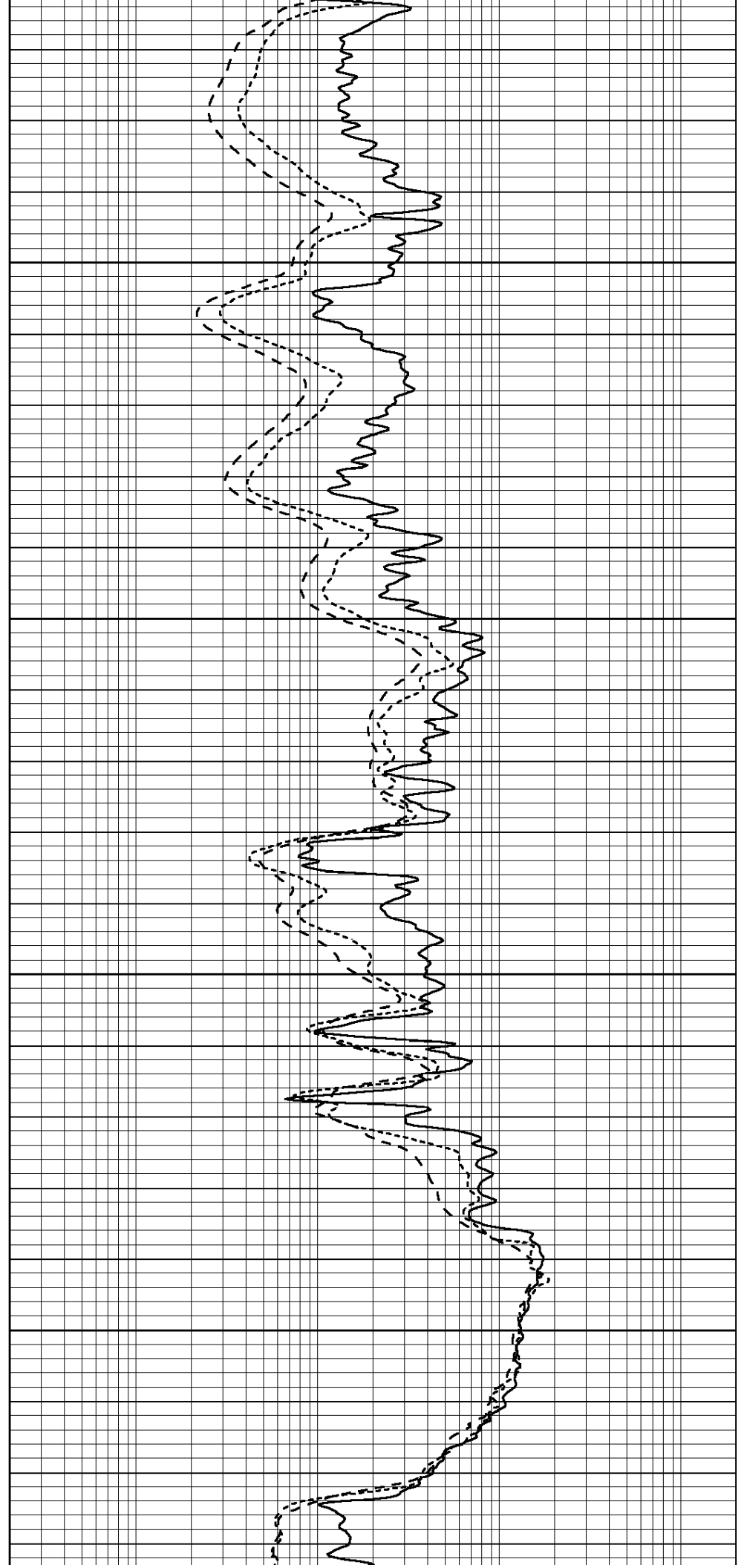


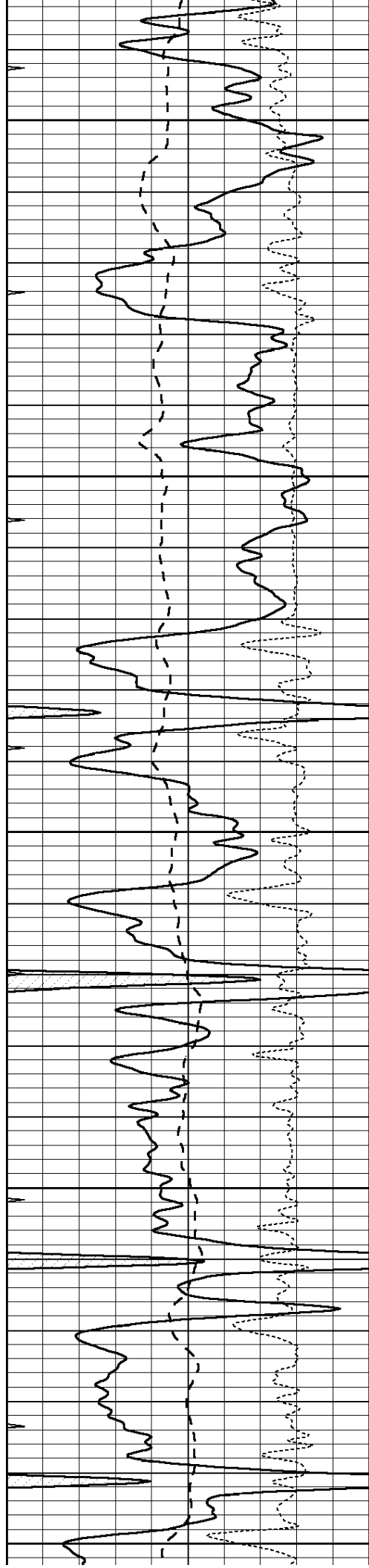
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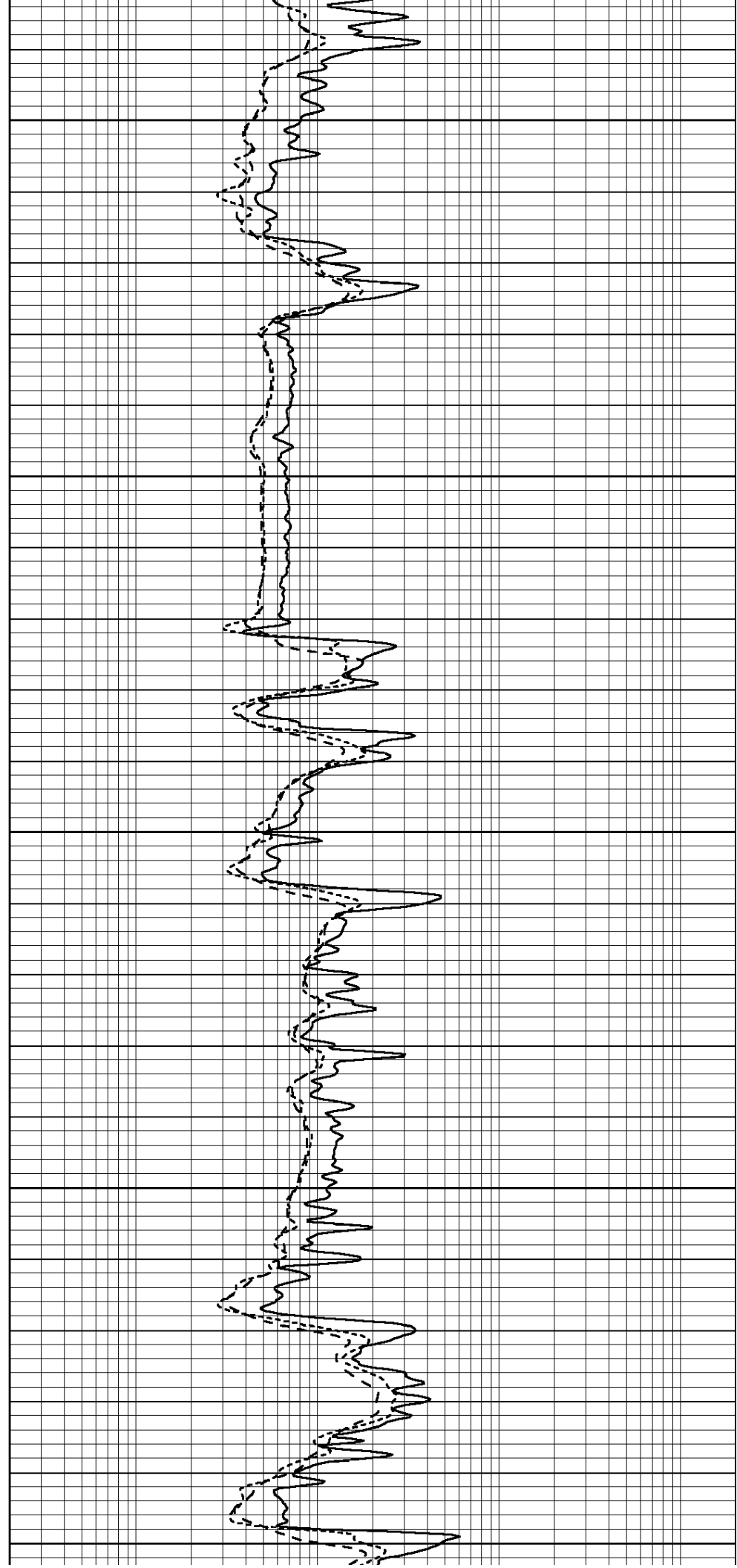
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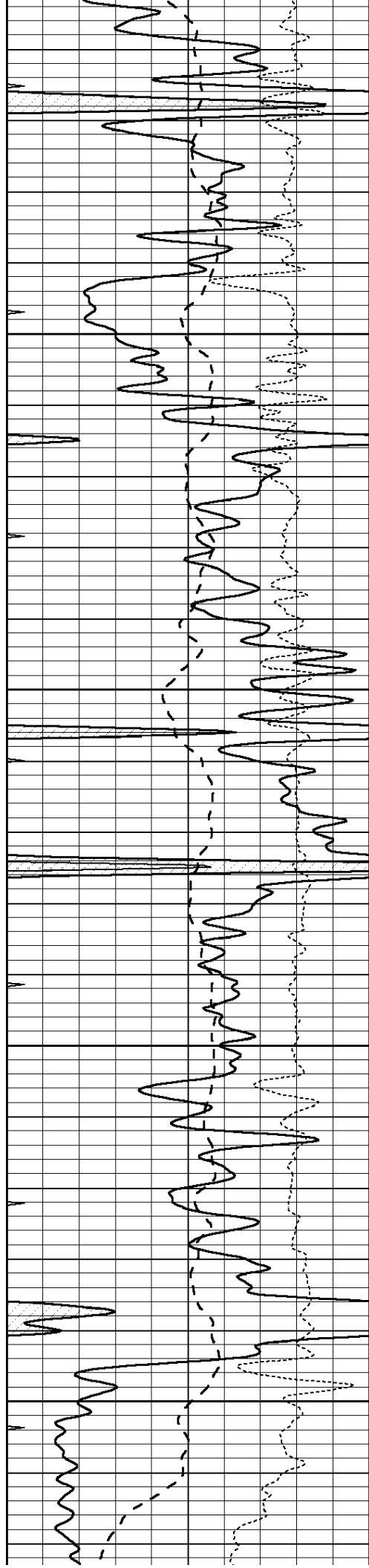
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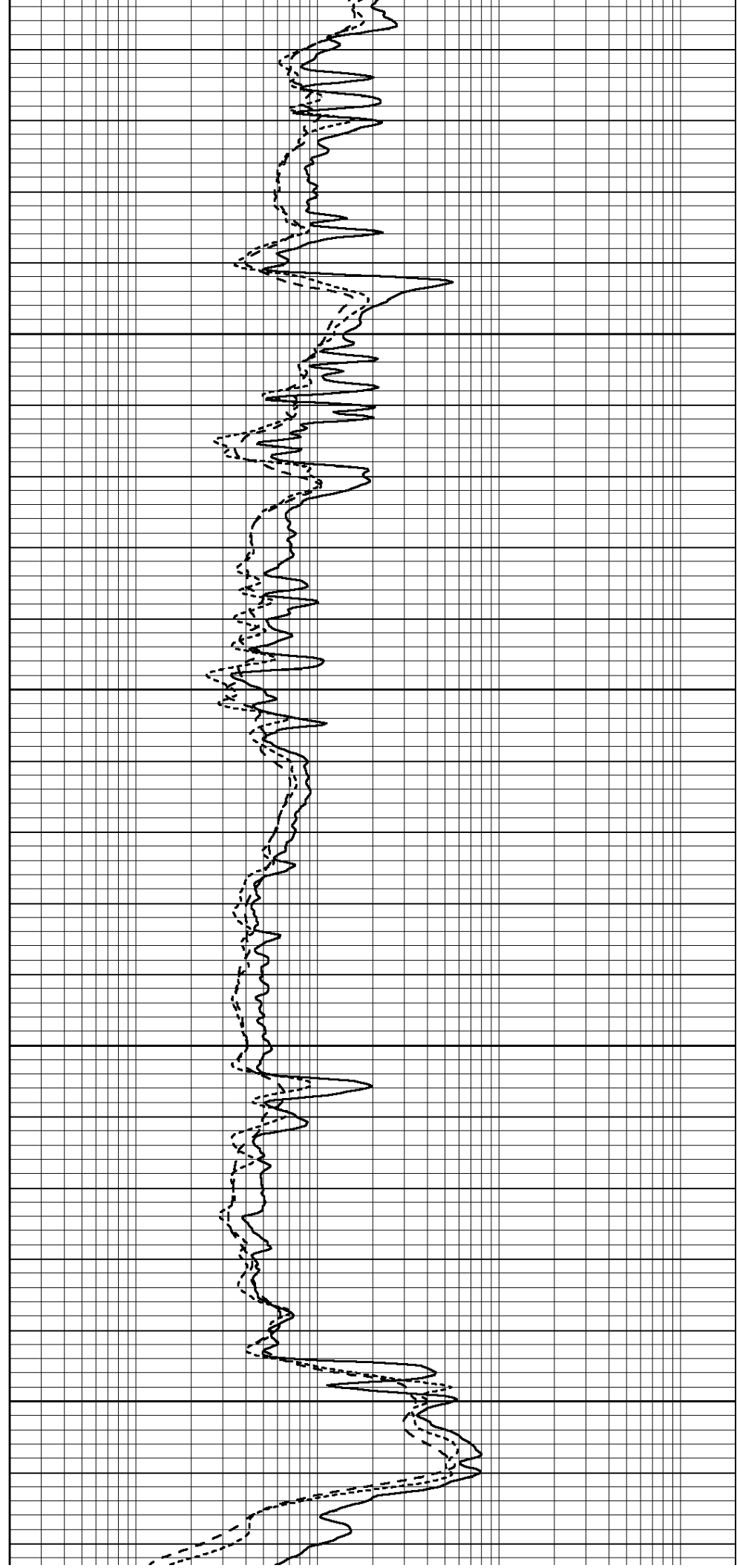


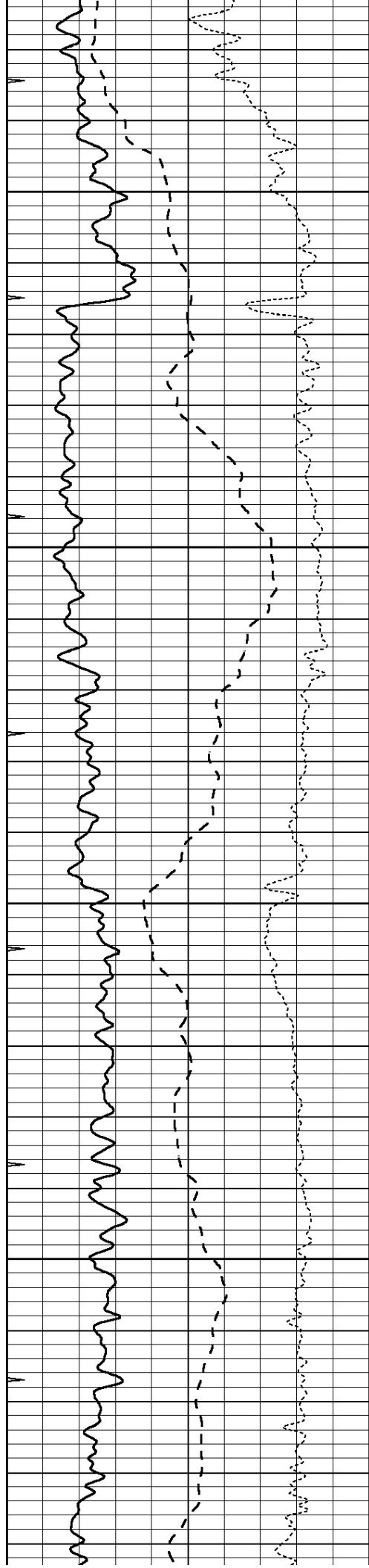
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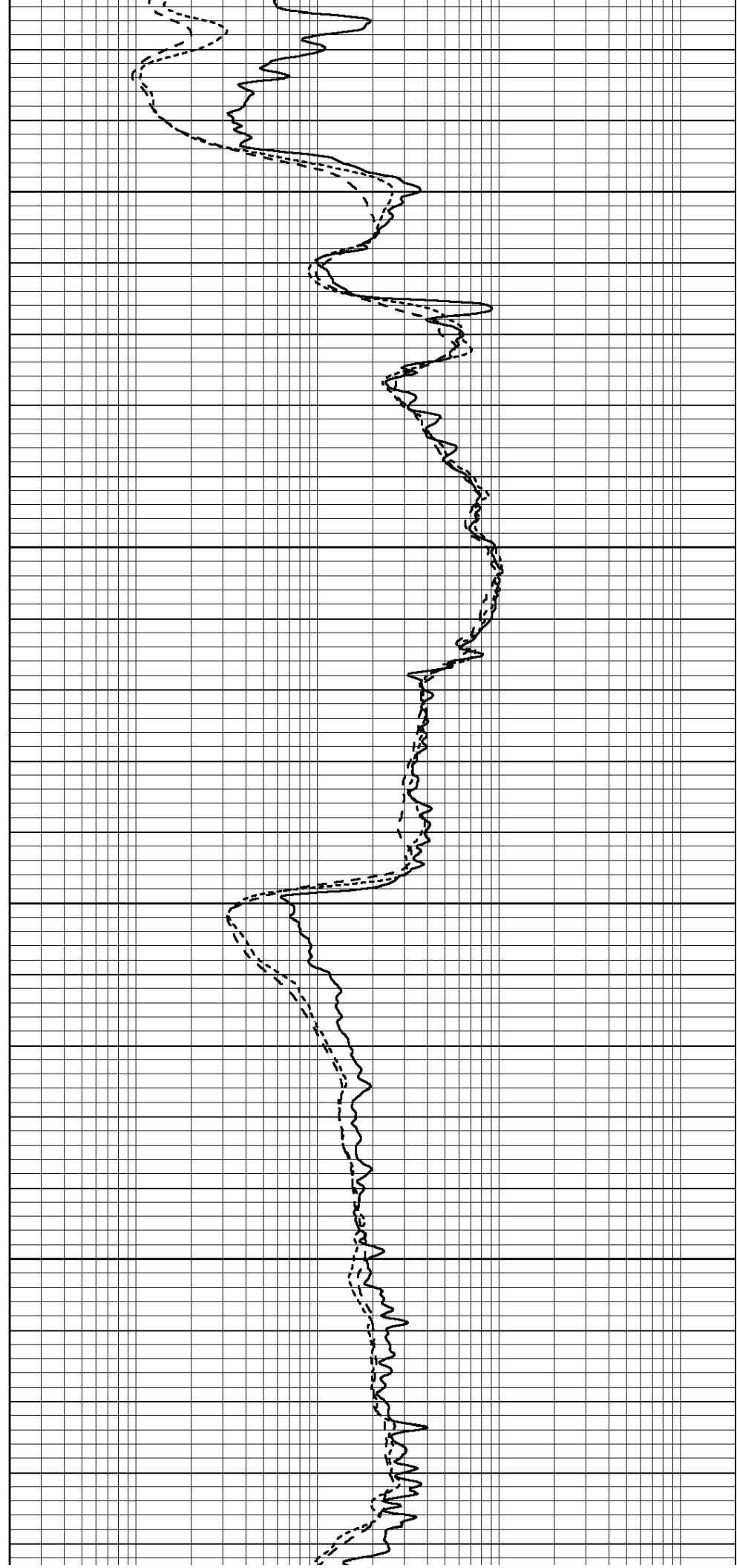


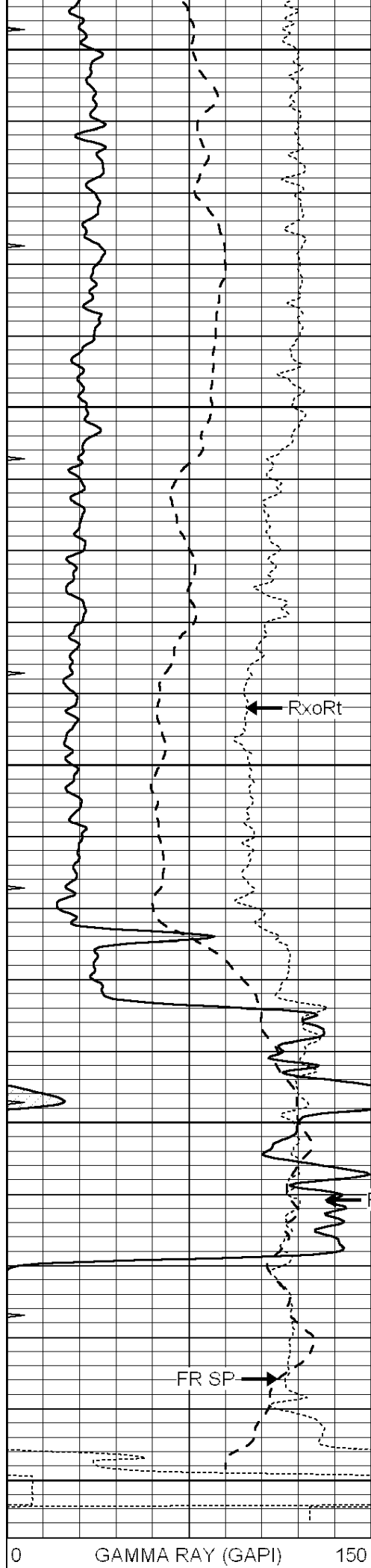
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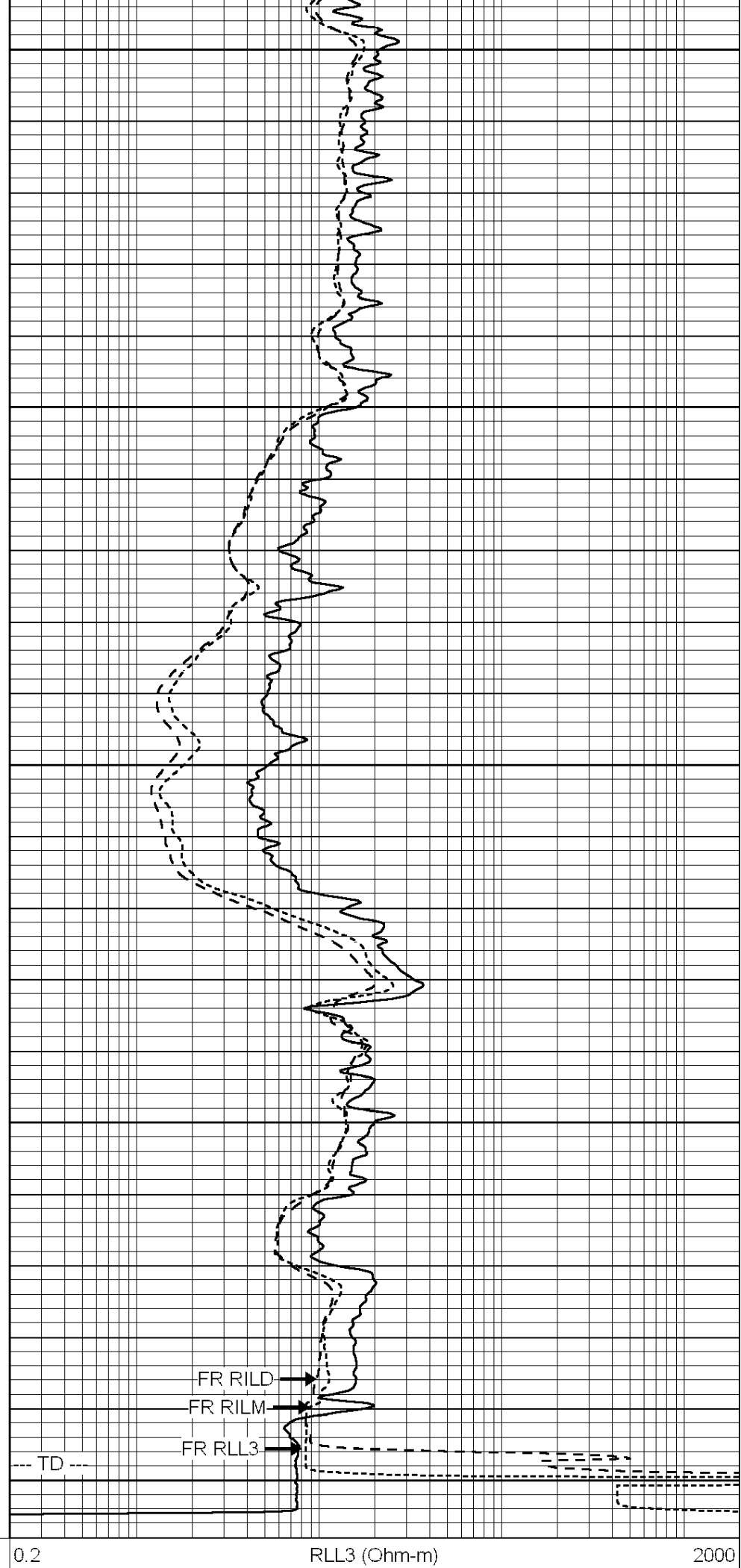
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3950  
4000  
4050  
4100



FR RILD  
FR RILM  
FR RLL3

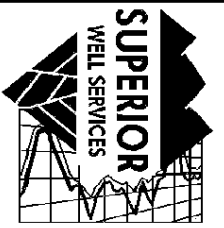
TD

2000

-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000





**SUPERIOR  
Hays,  
Kansas**

**DUAL  
INDUCTION  
LOG**

Company NOBLE PETROLEUM, INC.  
Well VAN ALLEN #1  
Field WELLINGTON N.E.  
County SUMNER  
State KANSAS

Company NOBLE PETROLEUM, INC.  
Well VAN ALLEN #1  
Field WELLINGTON N.E.  
County SUMNER State KANSAS

Location: API #: 15-191-22587  
660' FSL & 1275' FWL  
SEC 23 TWP 31S RGE 1W  
Permanent Datum GROUND LEVEL Elevation 1271  
Log Measured From KELLY BUSHING 9' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL  
MICRO  
Elevation  
K.B. 1280  
D.F.  
G.L. 1271

Date	10-21-10
Run Number	ONE
Depth Driller	4092
Depth Logger	4098
Bottom Logged Interval	4096
Top Log Interval	00
Casing Driller	263
Casing Logger	263
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 65
pH / Fluid Loss	9.0 / 18.0
Source of Sample	FLOWLINE
Rim @ Meas. Temp	0.40 @ 82F
Rmf @ Meas. Temp	0.30 @ 82F
Rmc @ Meas. Temp	0.48 @ 82F
Source of Rmf / Rmc	MEASURED
Rim @ BHT	.290 @ 115F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	5:00 P.M.
Maximum Recorded Temperature	115F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	KENT CRISLER

<<< 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

SUPERIOR WELL SERVICES  
785-628-6395  
THANK YOU FOR YOUR BUSINESS  
DIRECTIONS: WELLIGTON & #81, 5N TO RD. #50, 3/4W, N INTO.



SUPERIOR  
Hays,  
Kansas

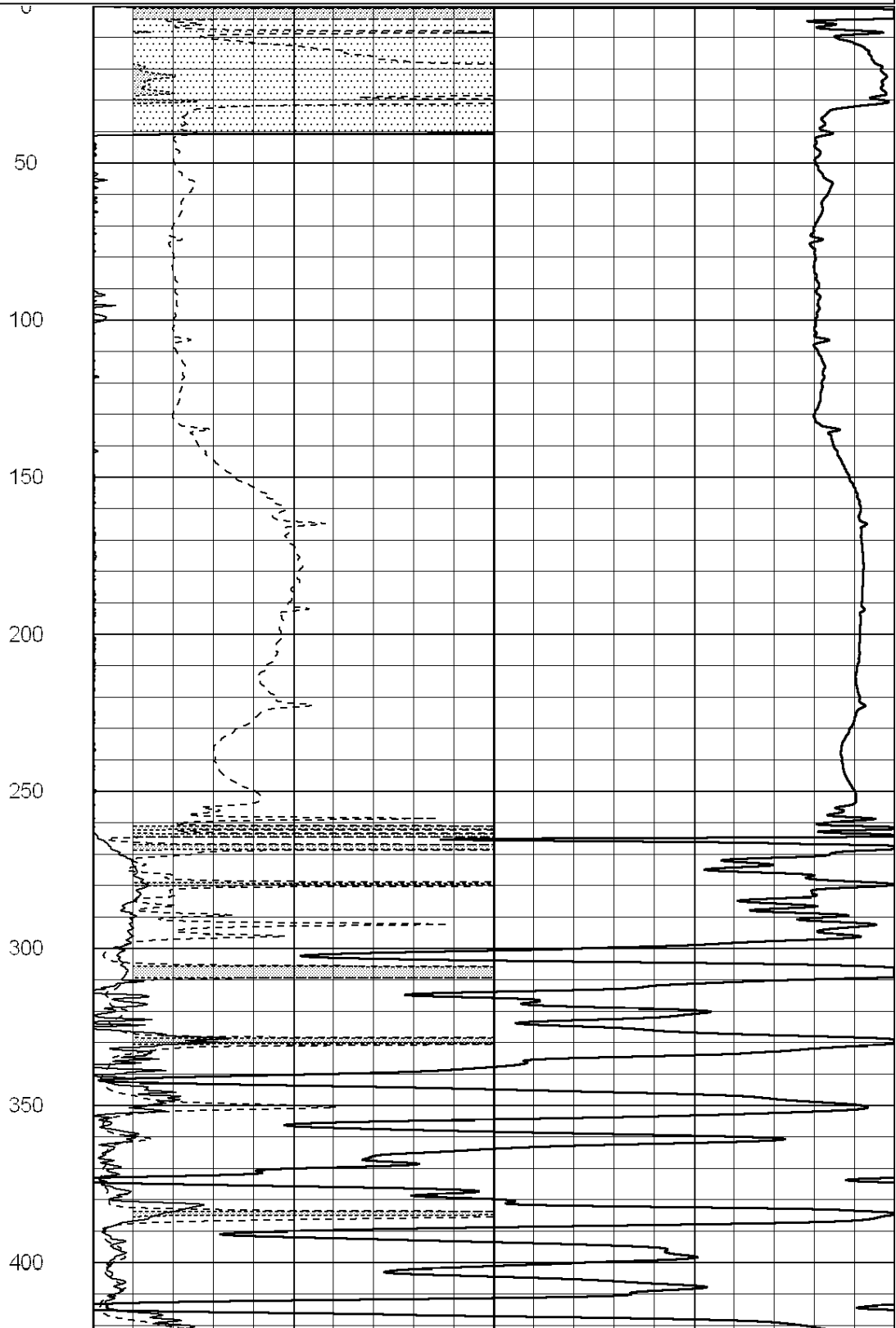
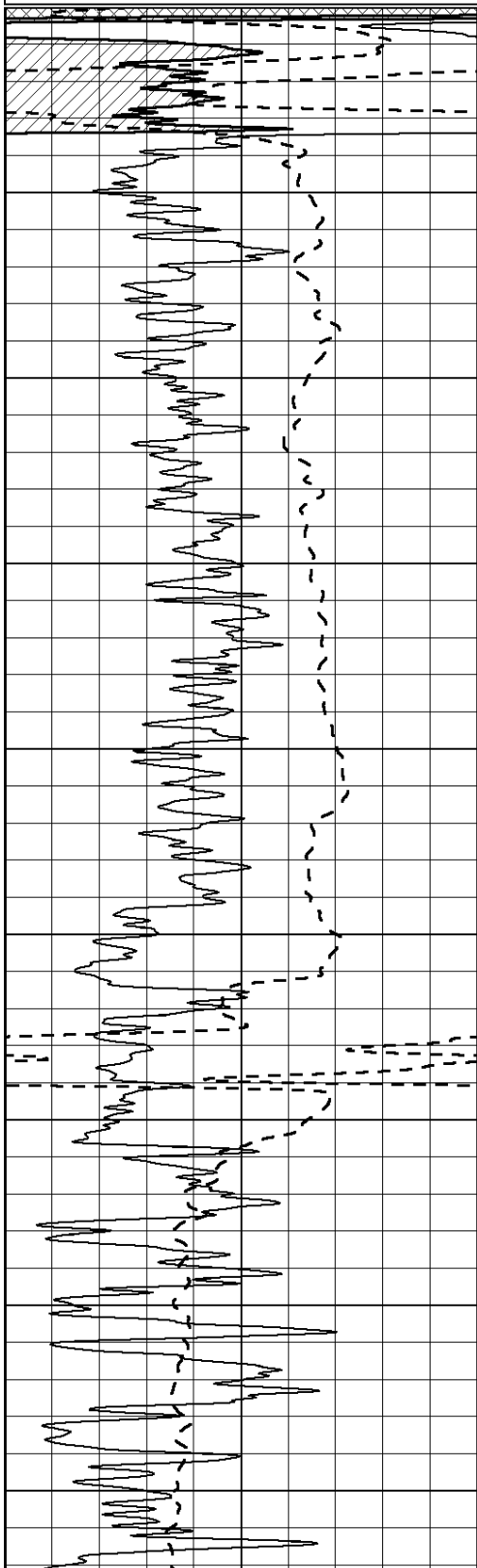
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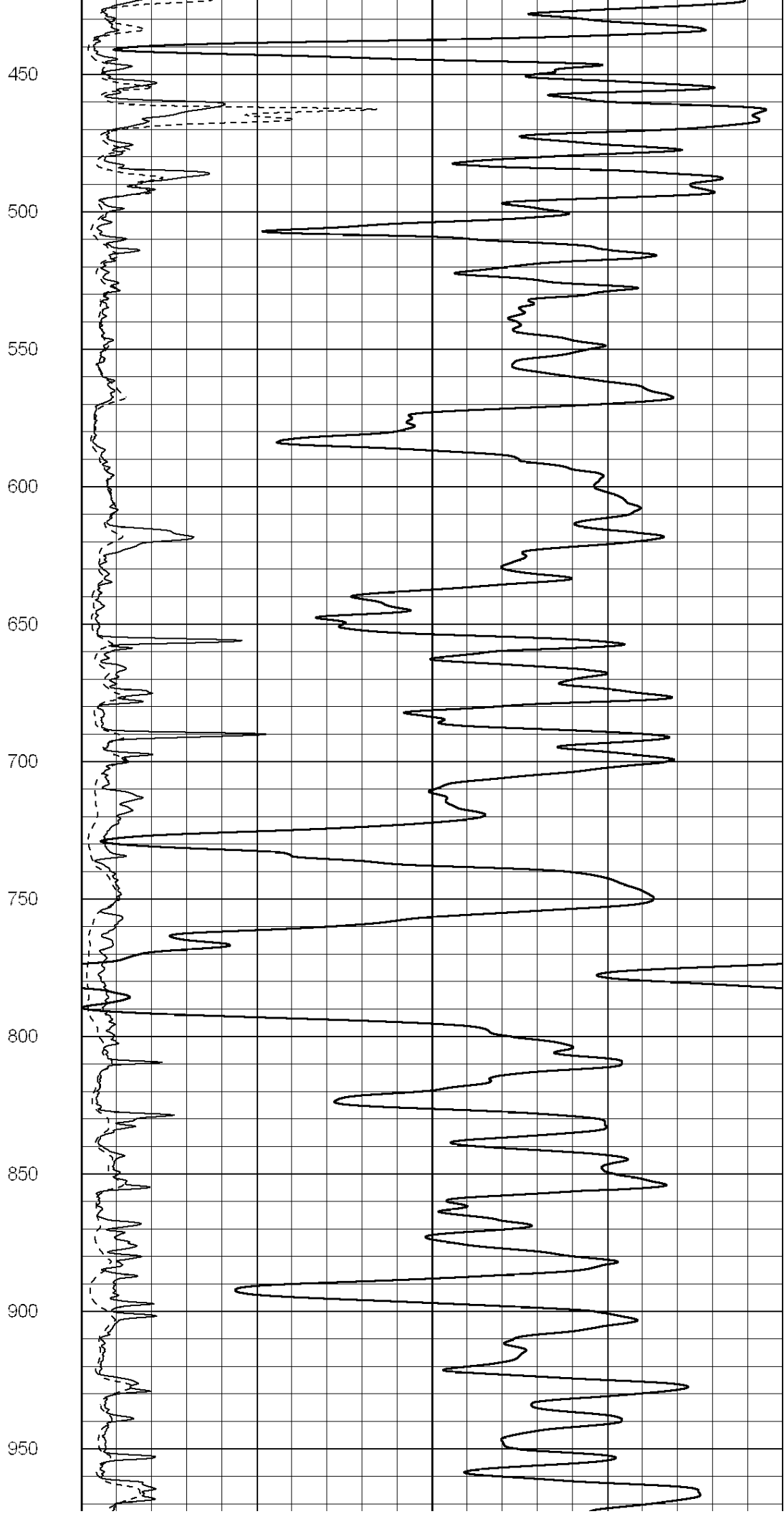
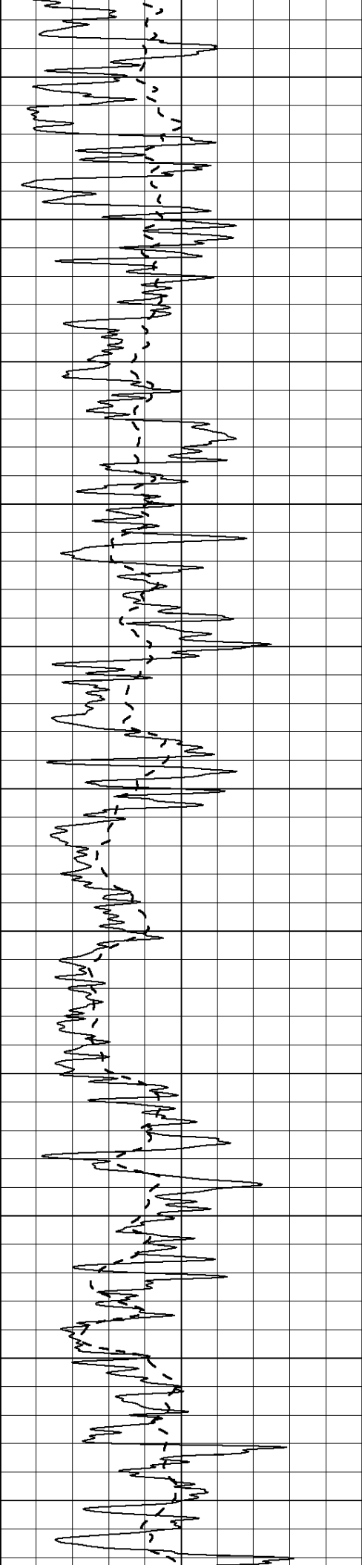
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 Presentation Format: dil2  
 Dataset Creation: Thu Oct 21 18:48:58 2010  
 Charted by: Depth in Feet scaled 1:600

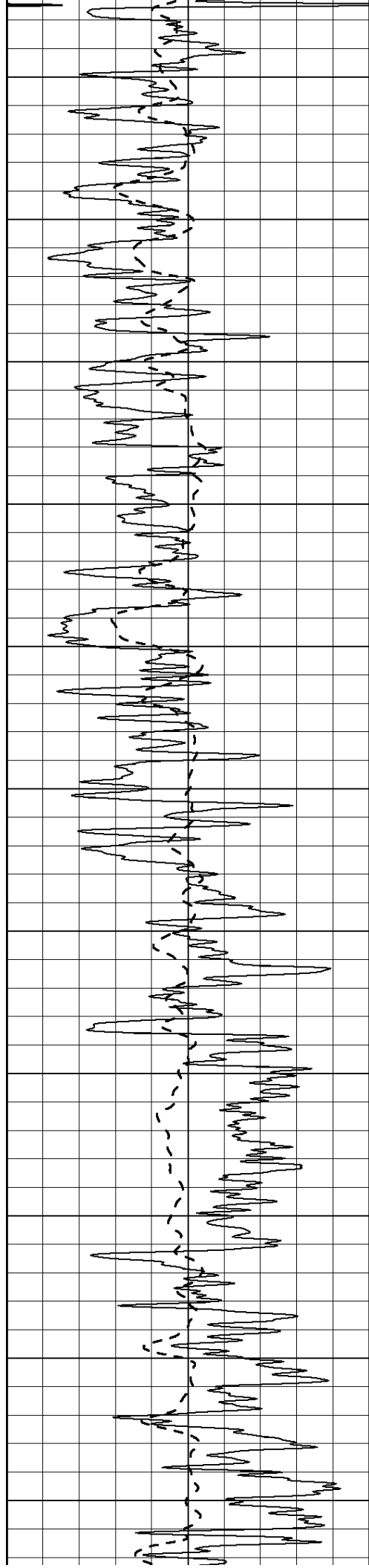
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-100	SP (mV)	100

0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50

1000	CILD (mmho/m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

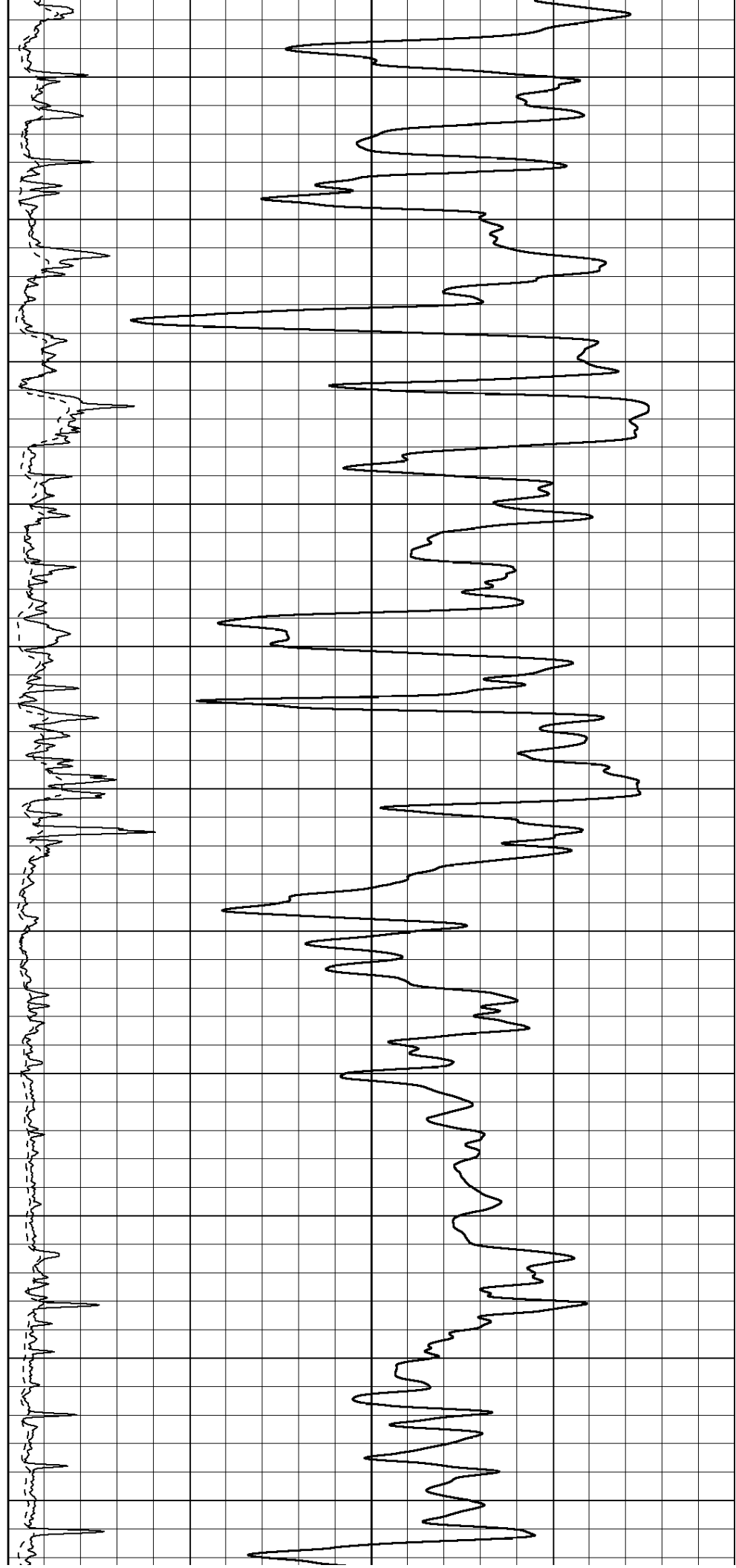
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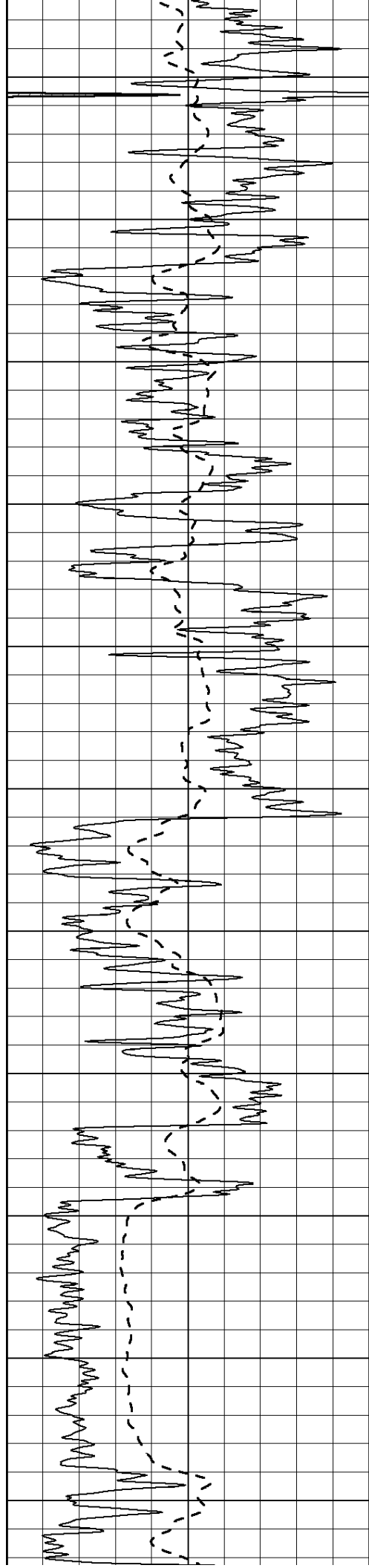
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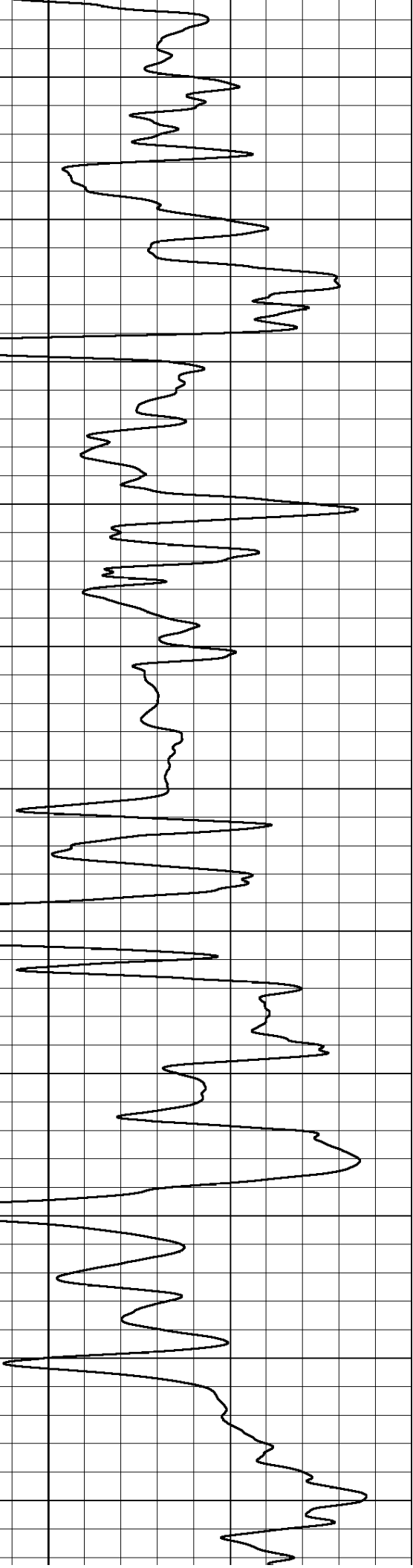
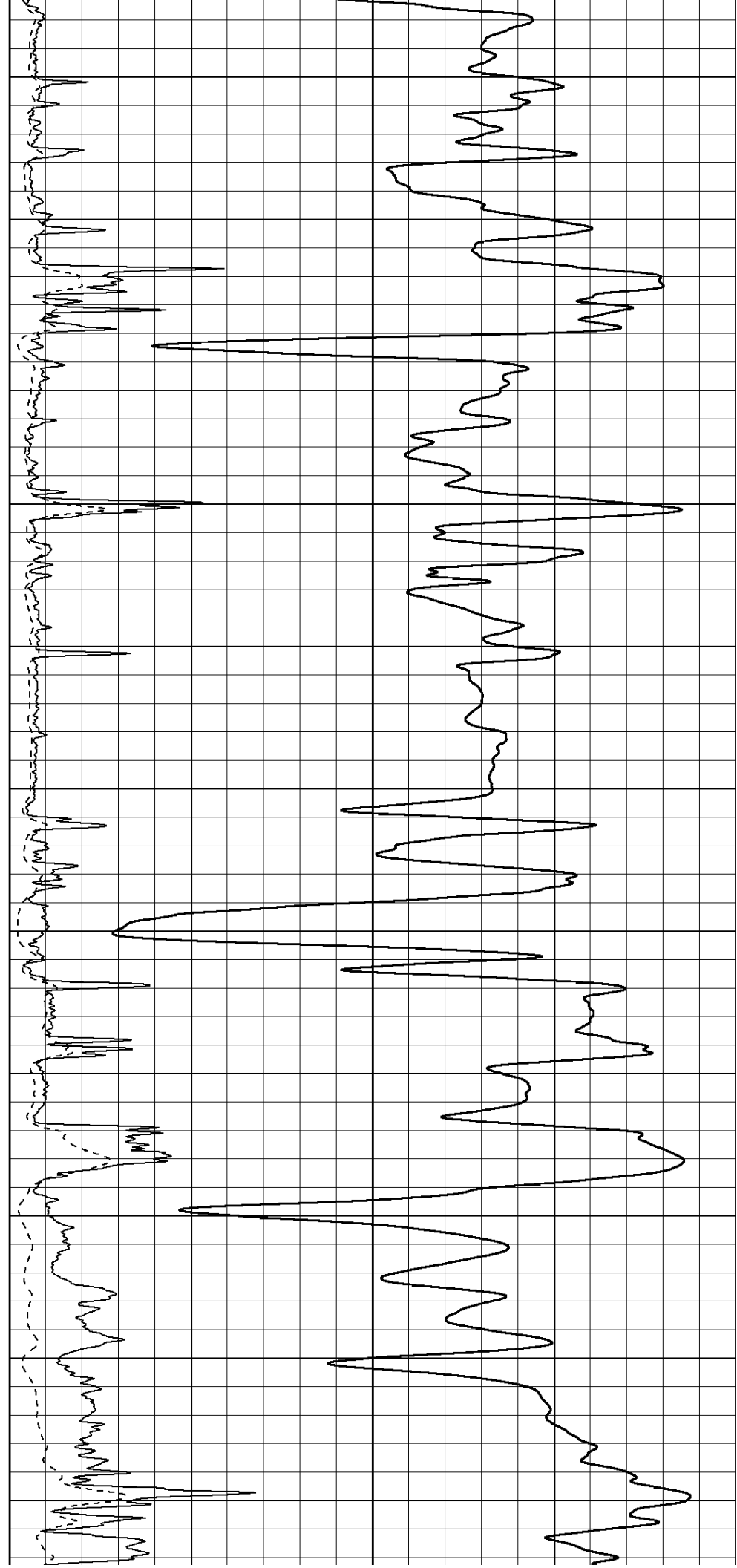
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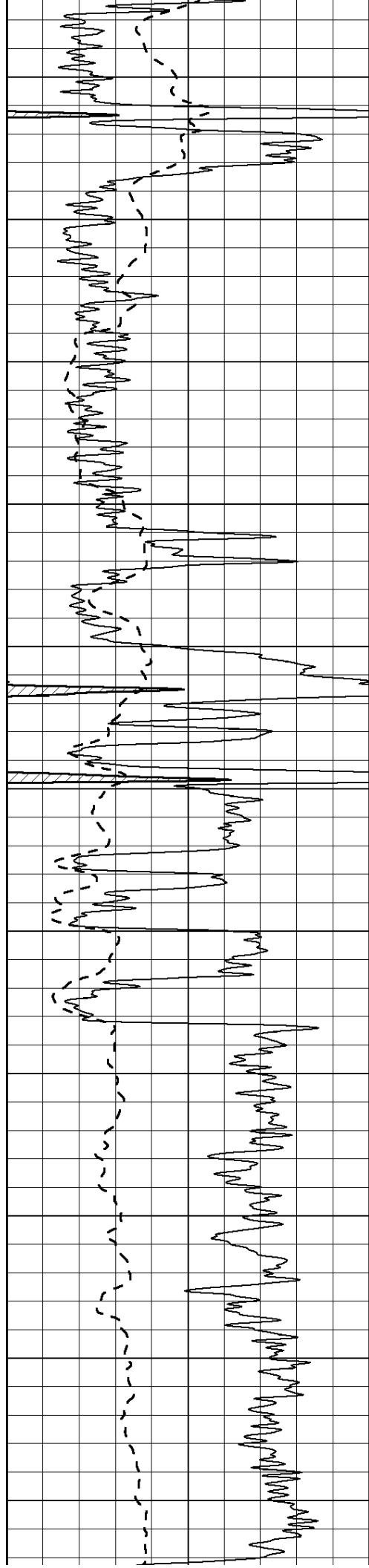
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1550  
1600  
1650  
1700  
1750  
1800  
1850  
1900  
1950  
2000  
2050





2100

2150

2200

2250

2300

2350

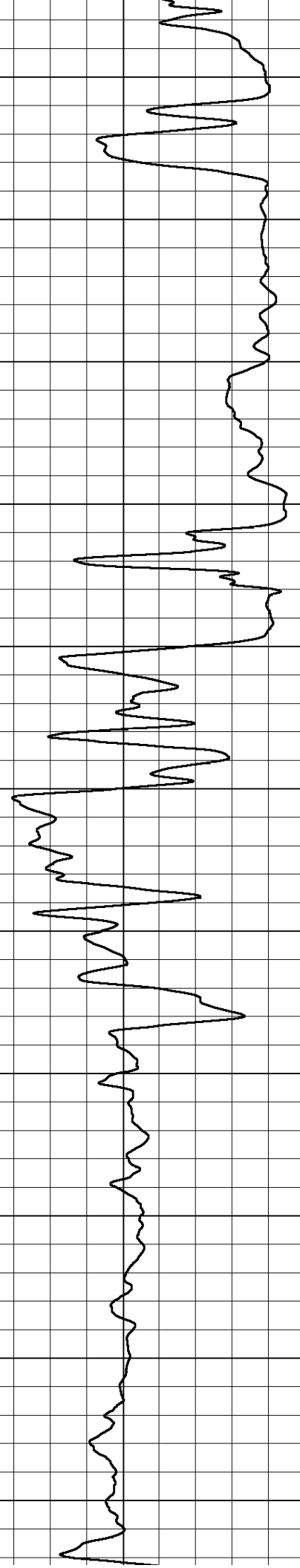
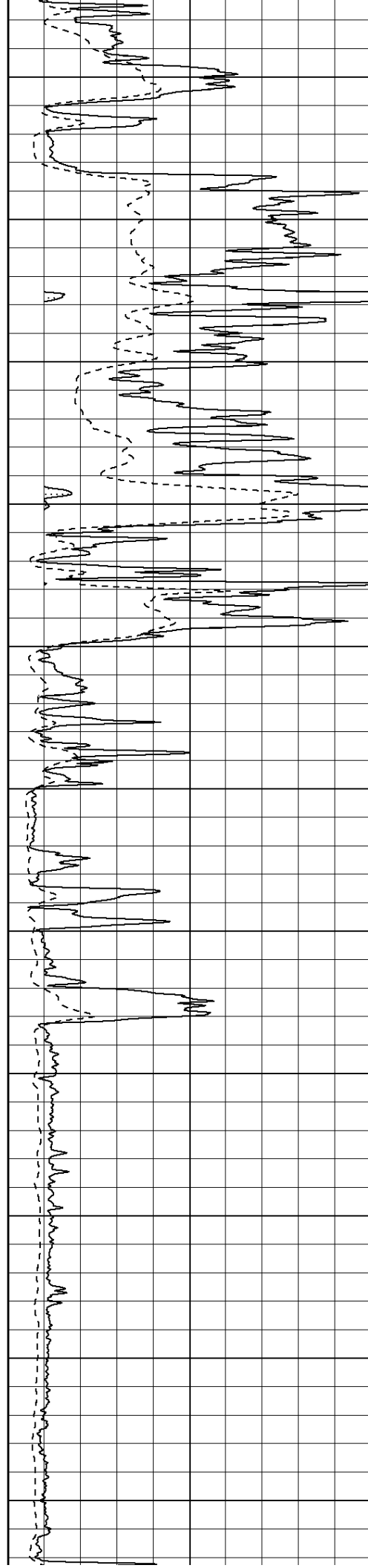
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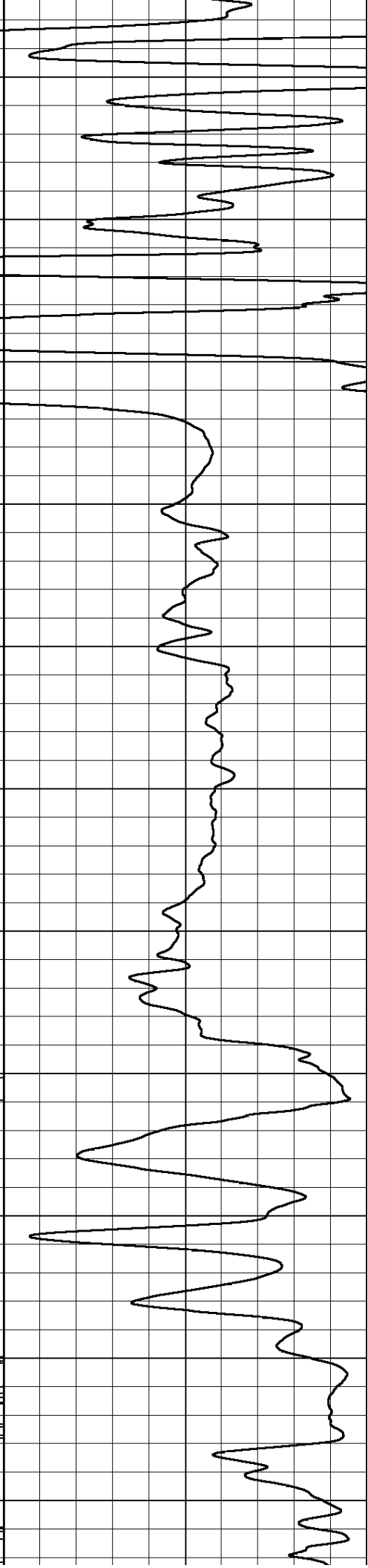
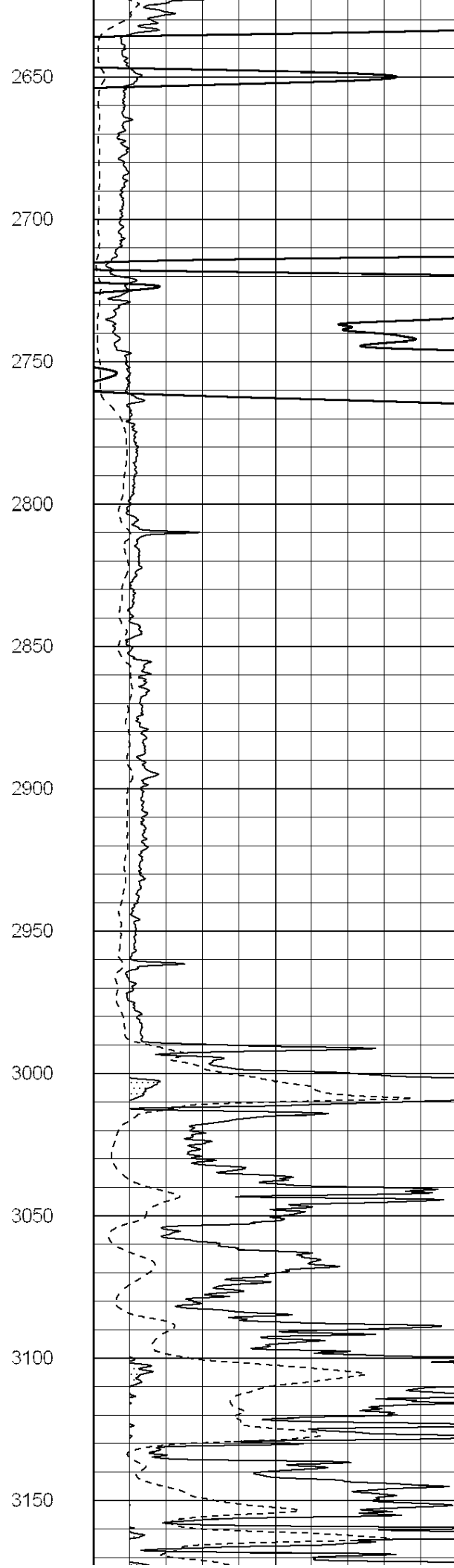
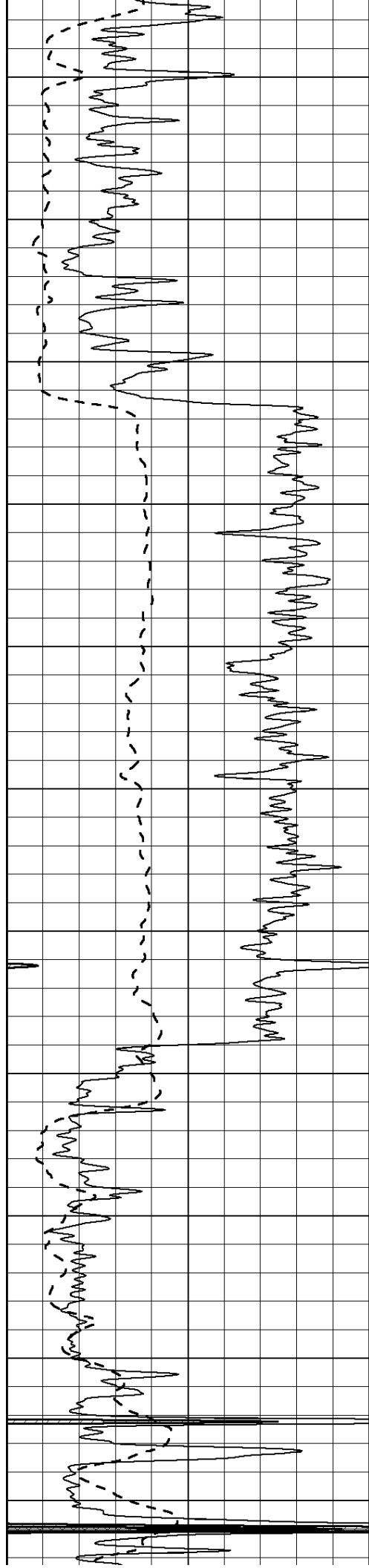
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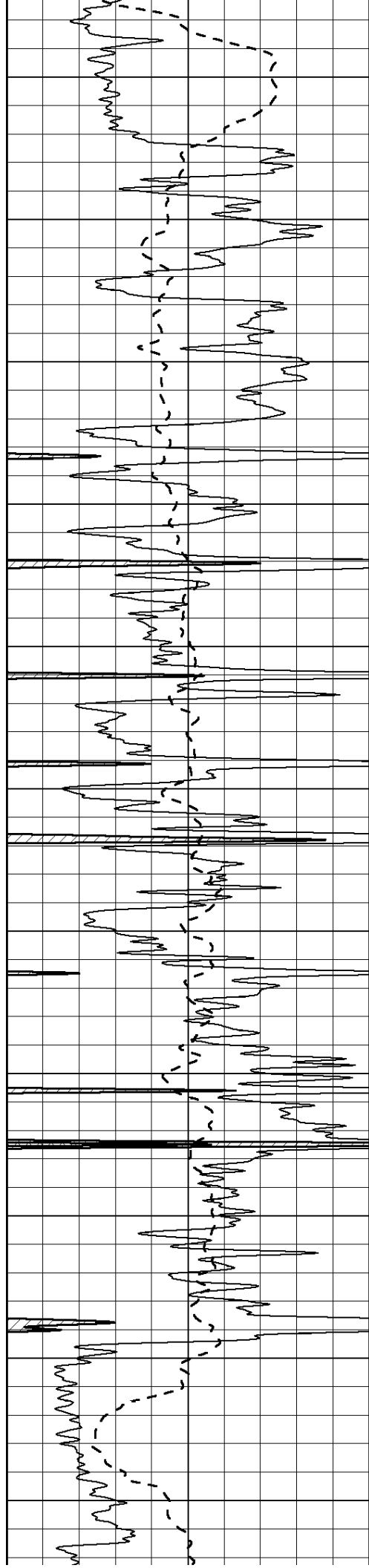
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2550

2600







3200

3250

3300

3350

3400

3450

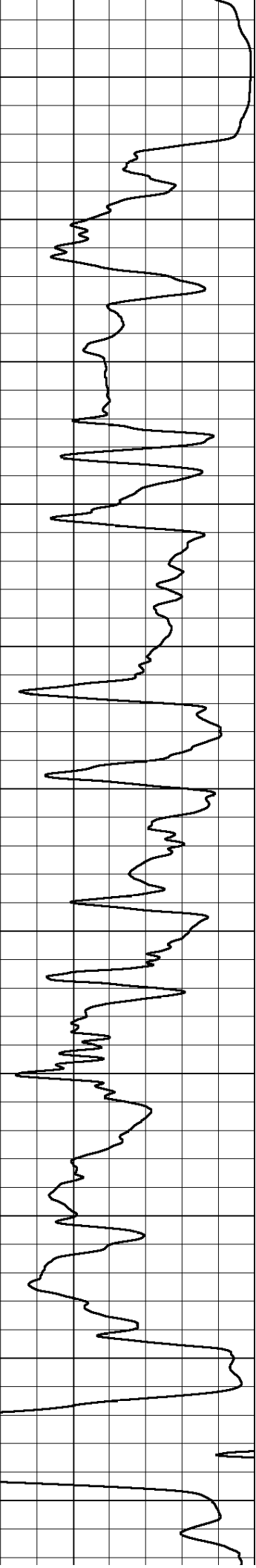
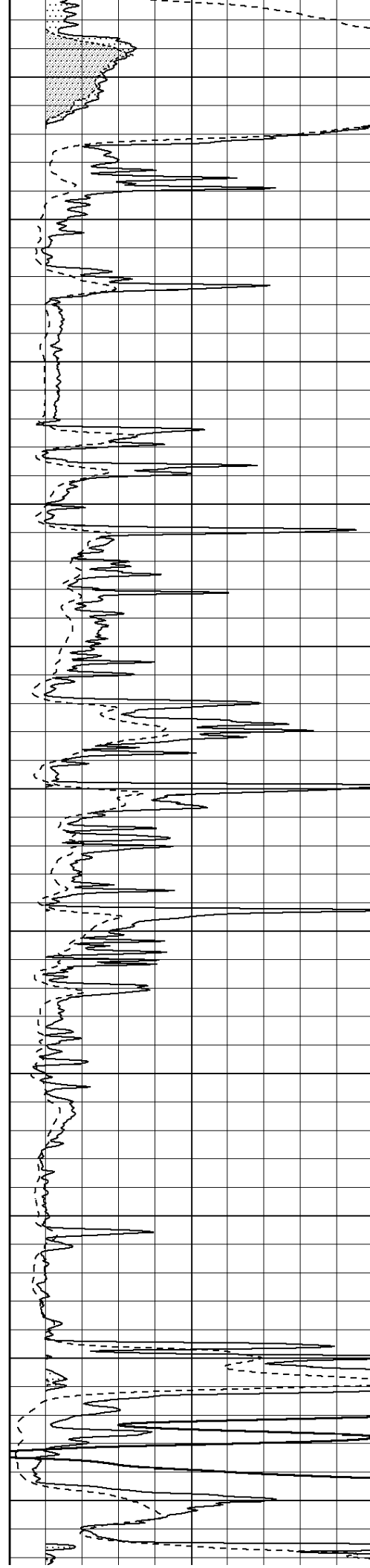
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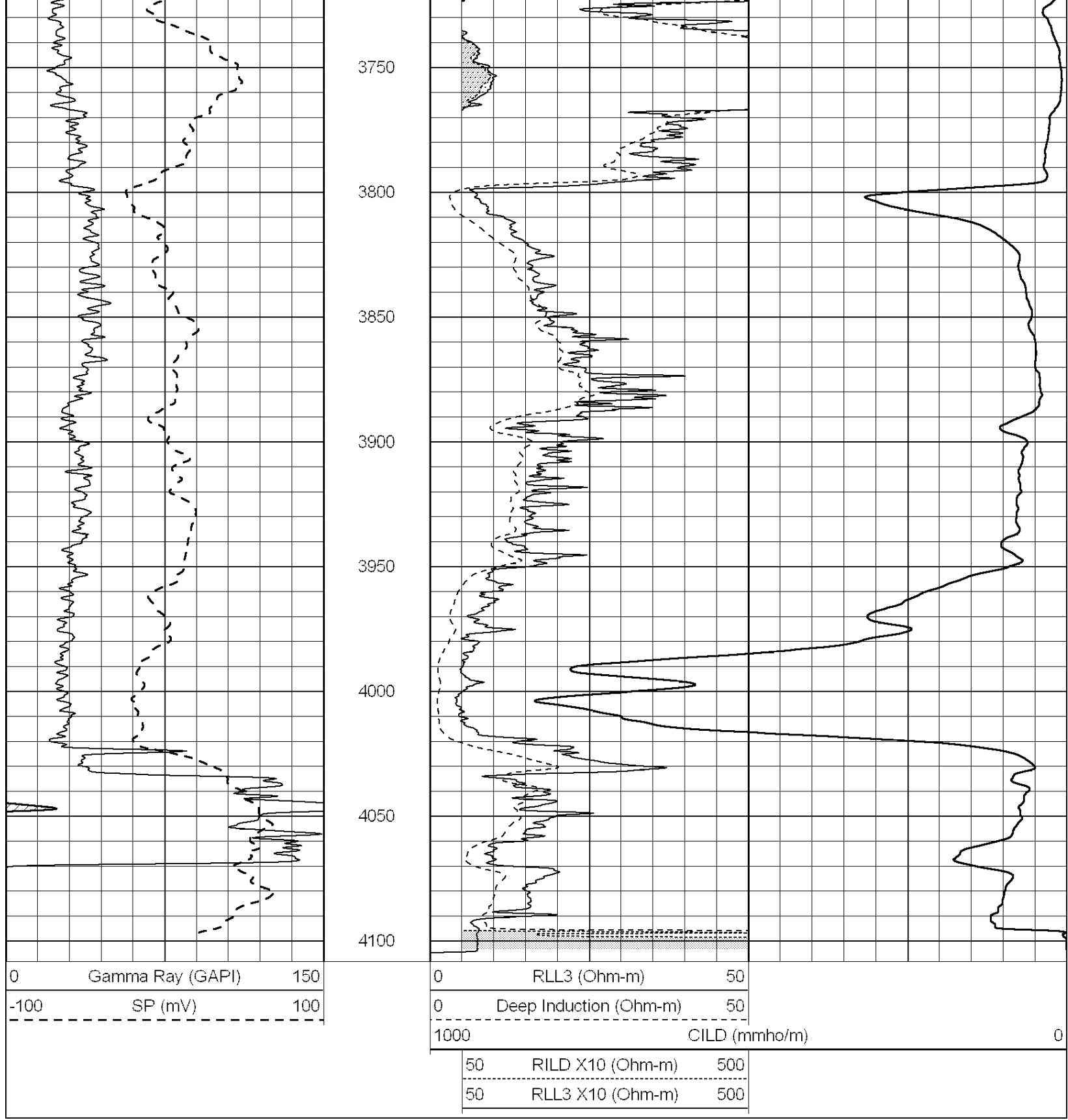
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3650

3700







SUPERIOR  
Hays,  
Kansas

# MAIN SECTION

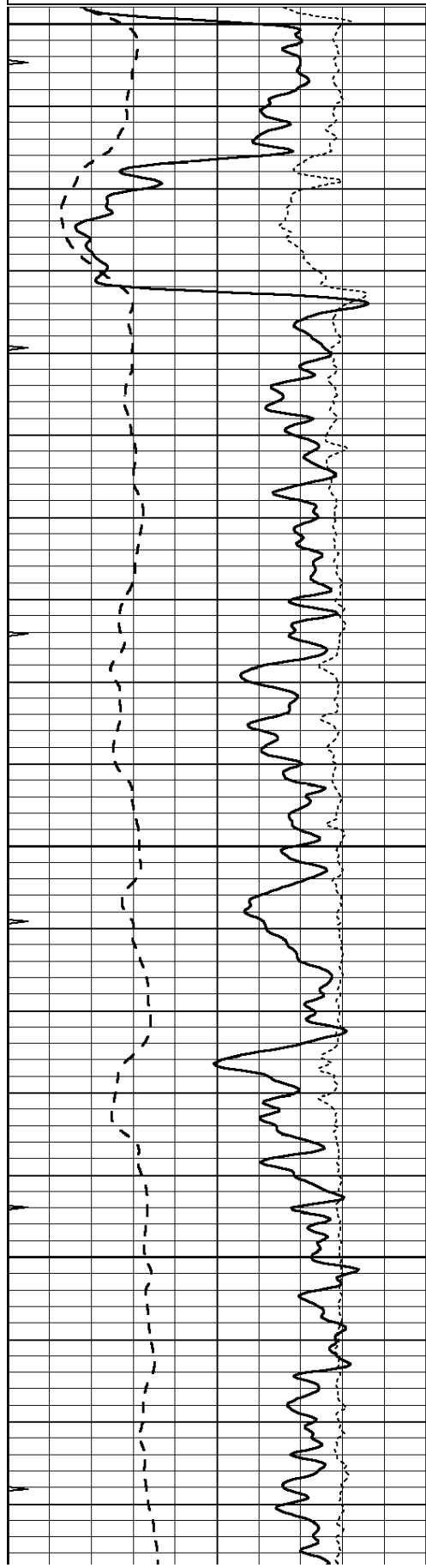
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 Dataset Creation: Thu Oct 21 18:48:58 2010

Charted by:

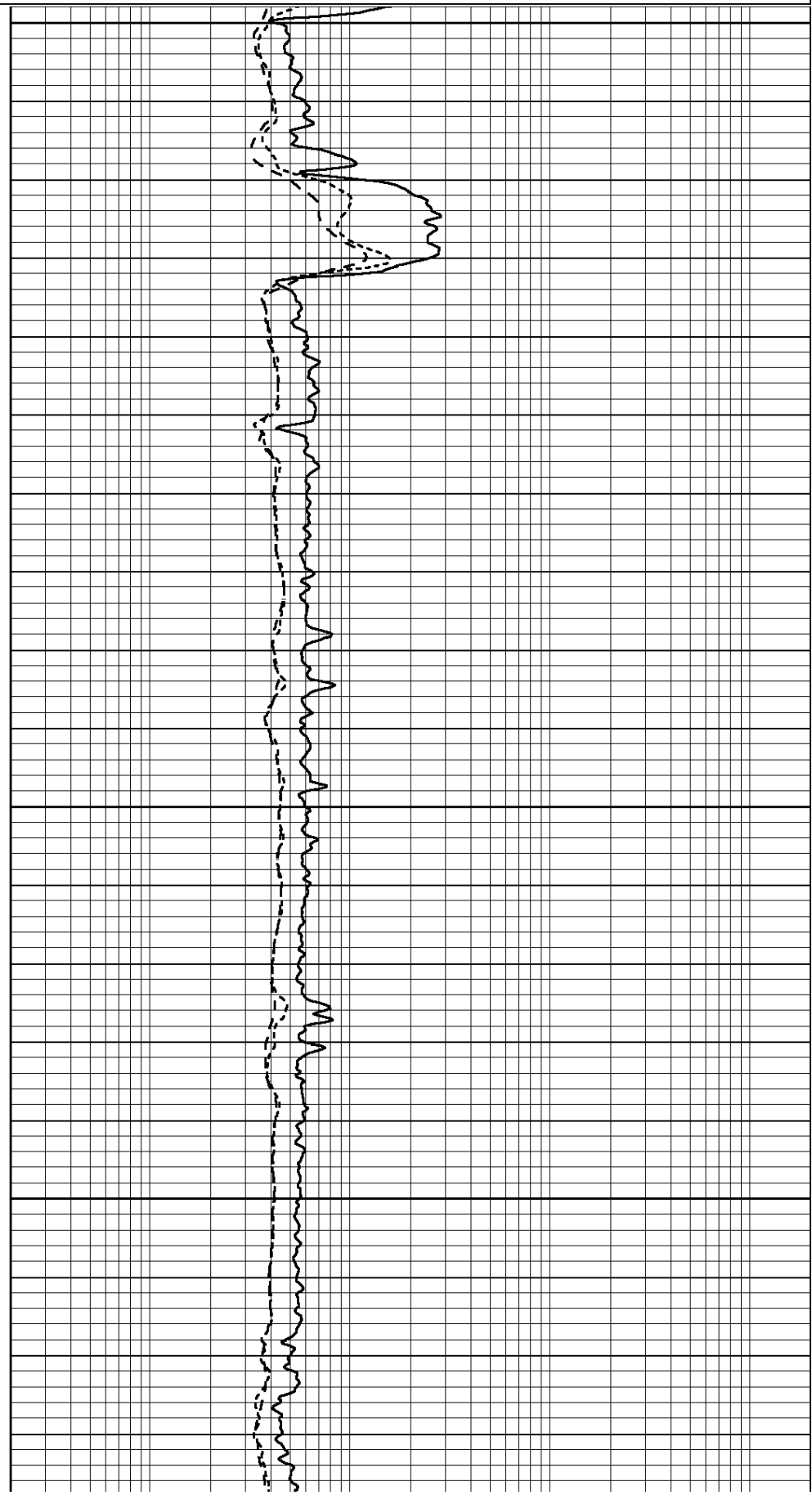
Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



2400  
2450  
2500  
2550





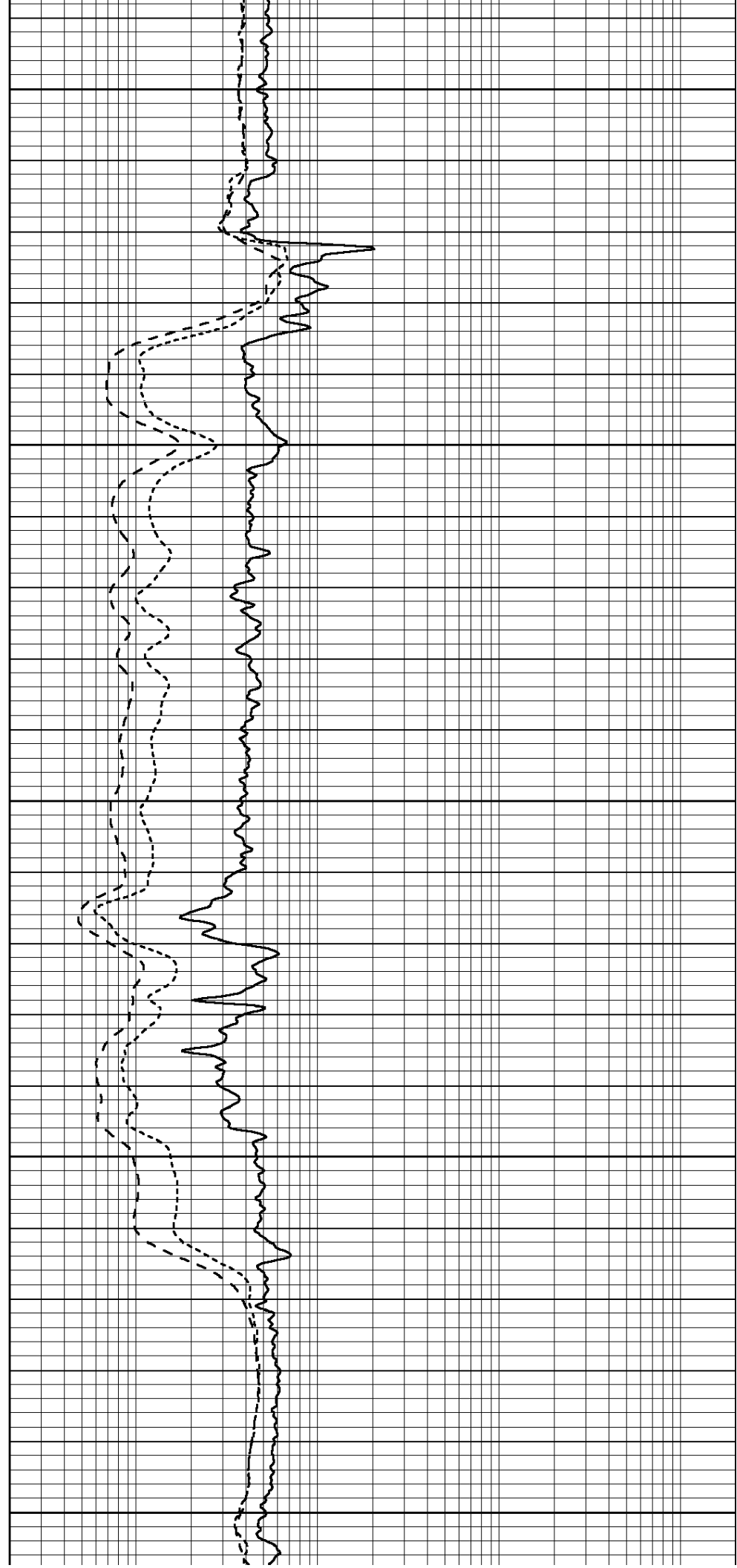
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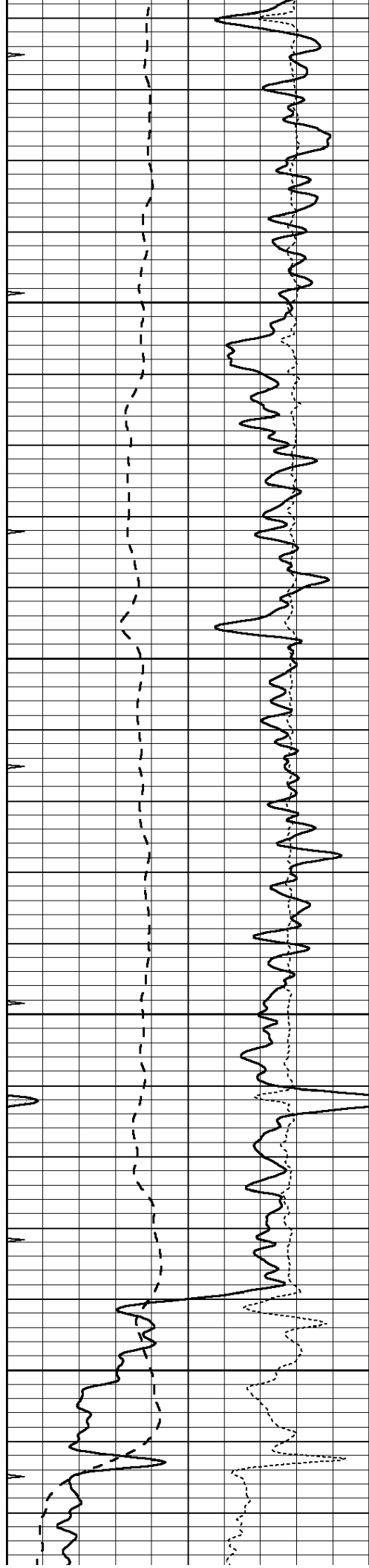
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2700

2750

2800



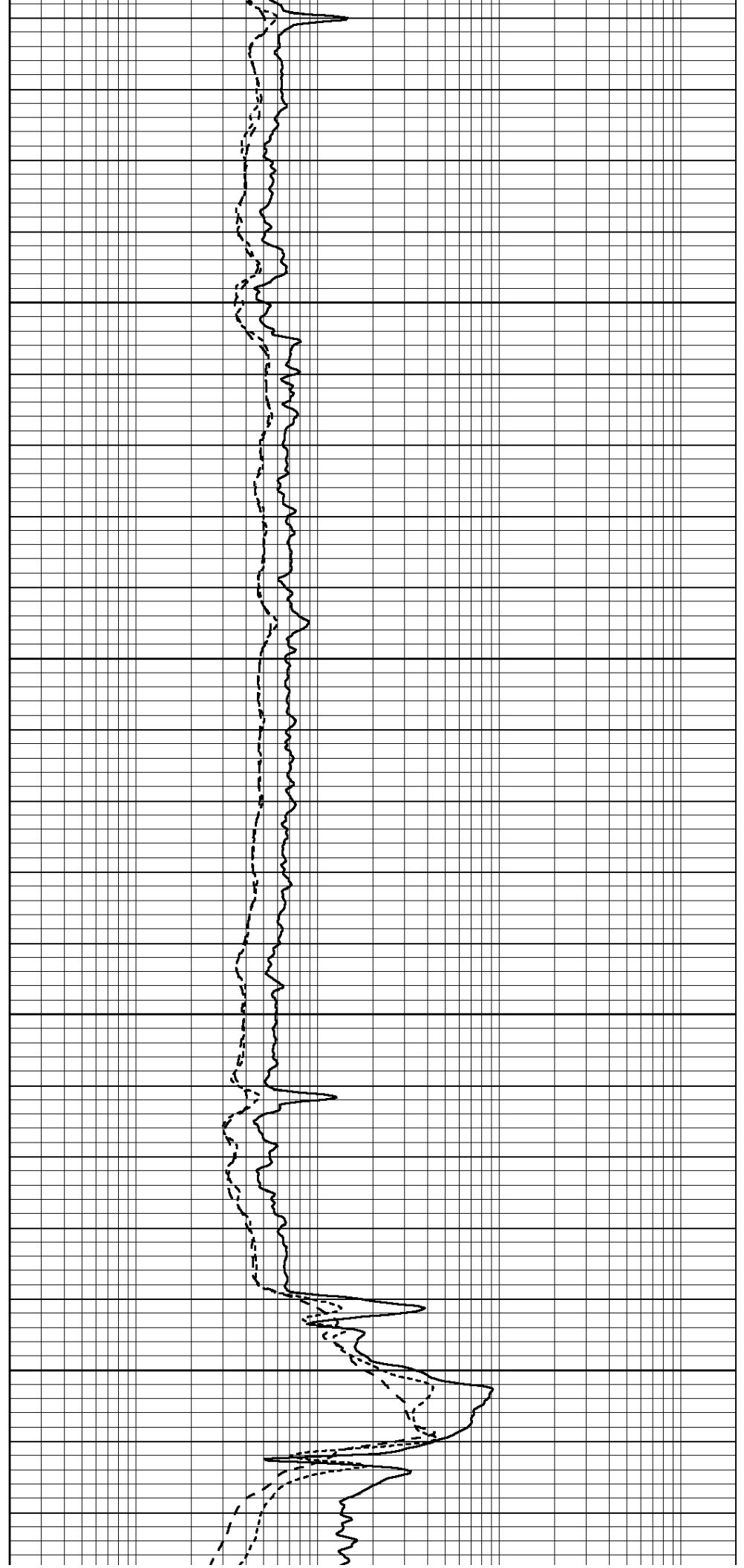


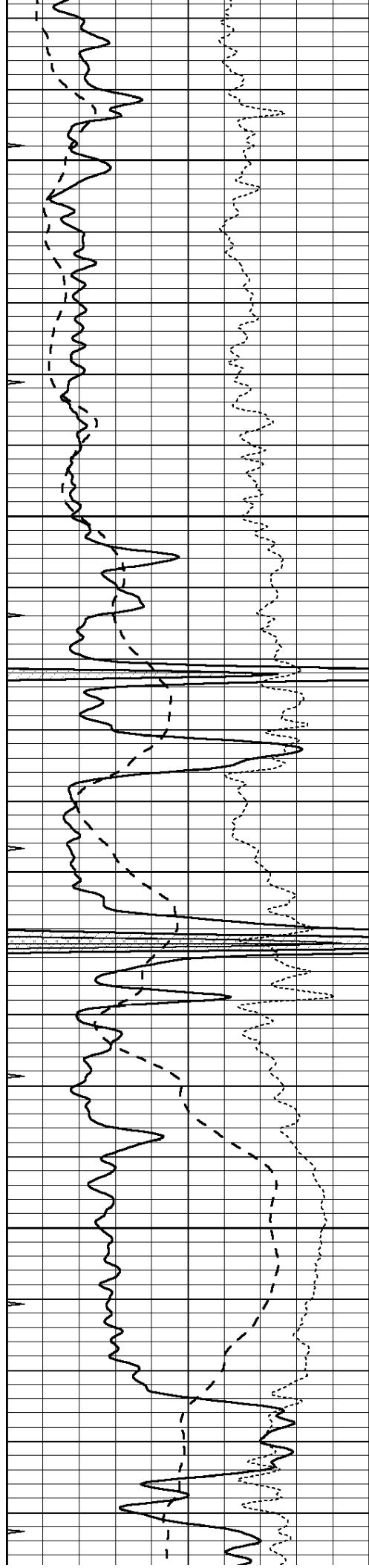
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2900

2950

3000



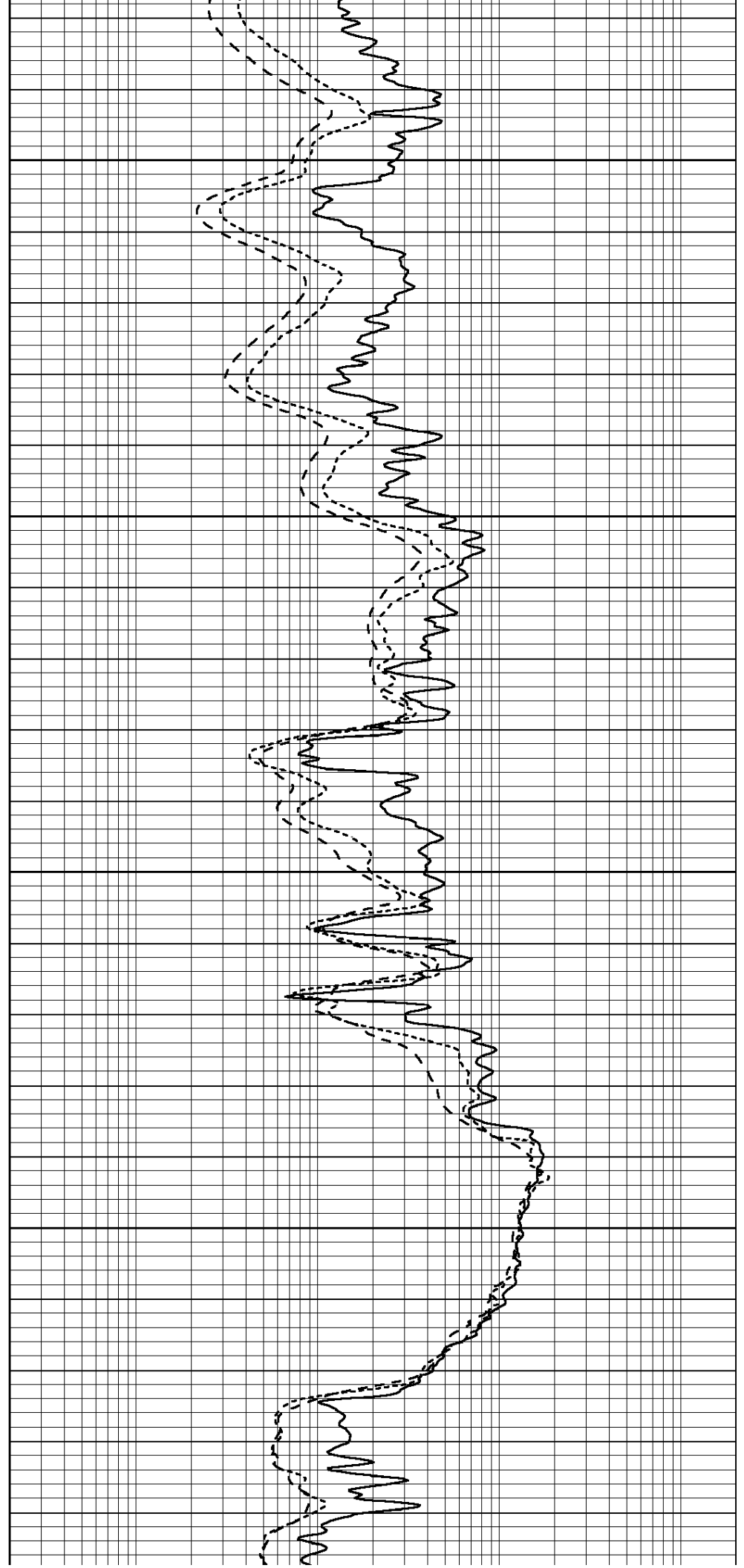


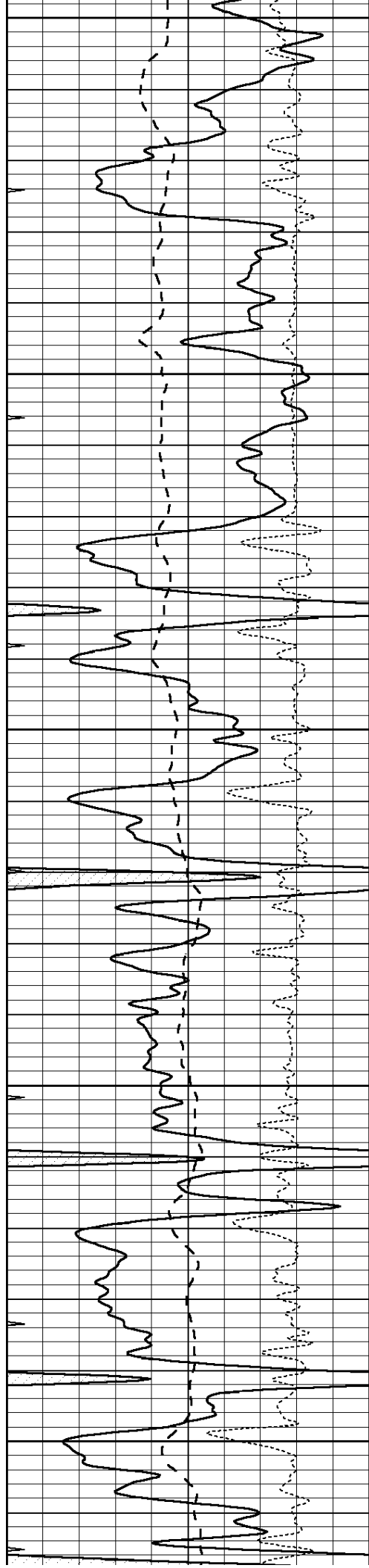
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3100

3150

3200





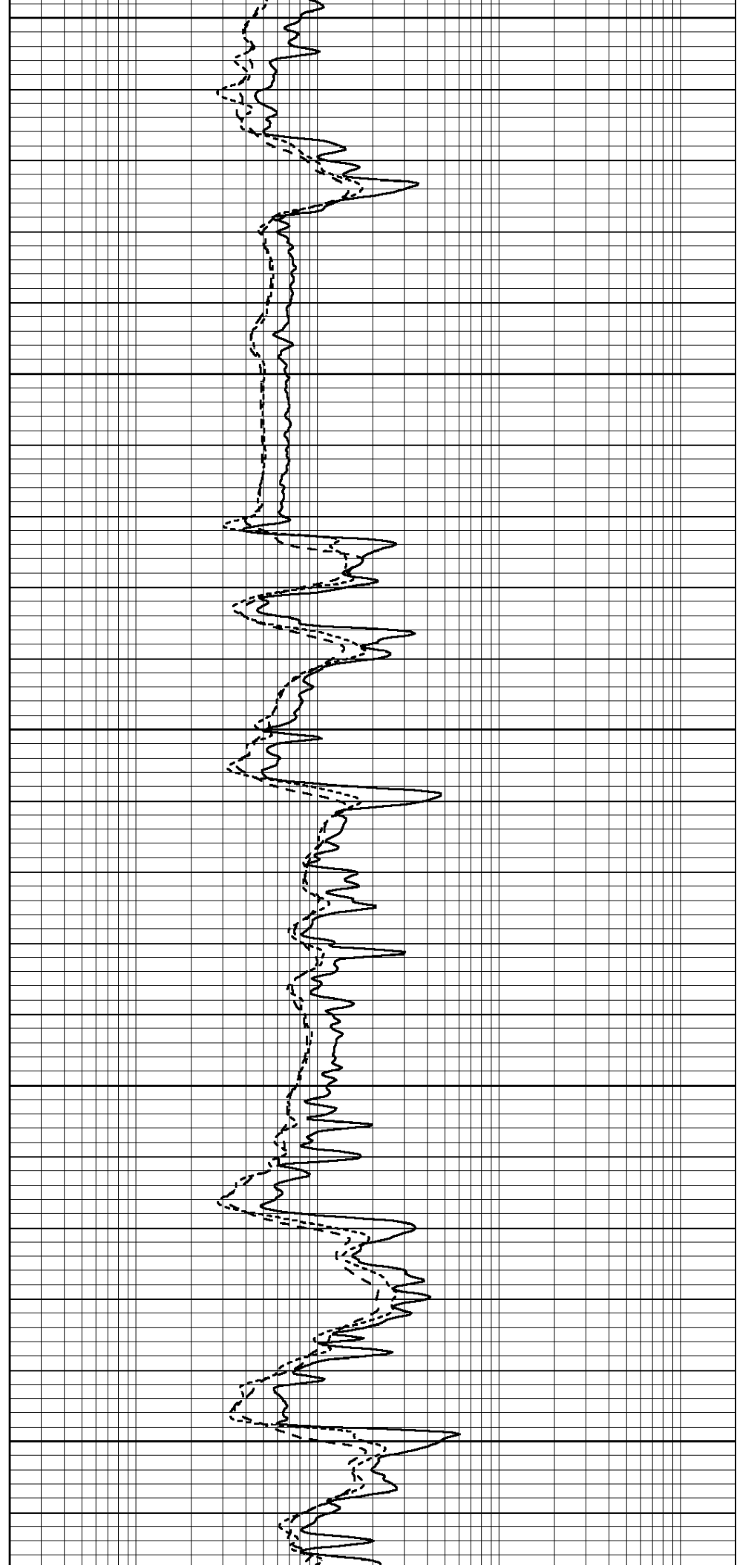
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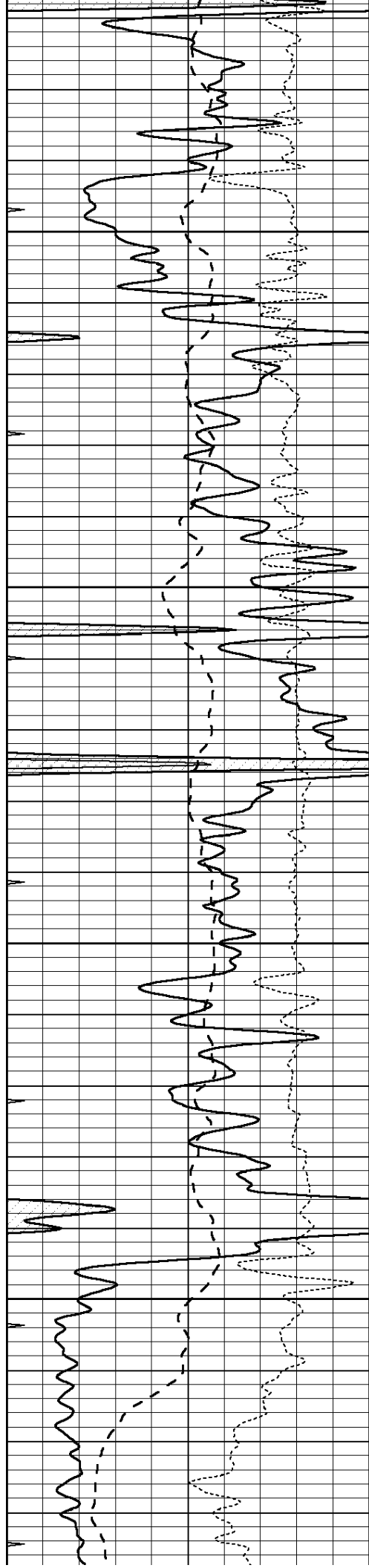
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3400

3450



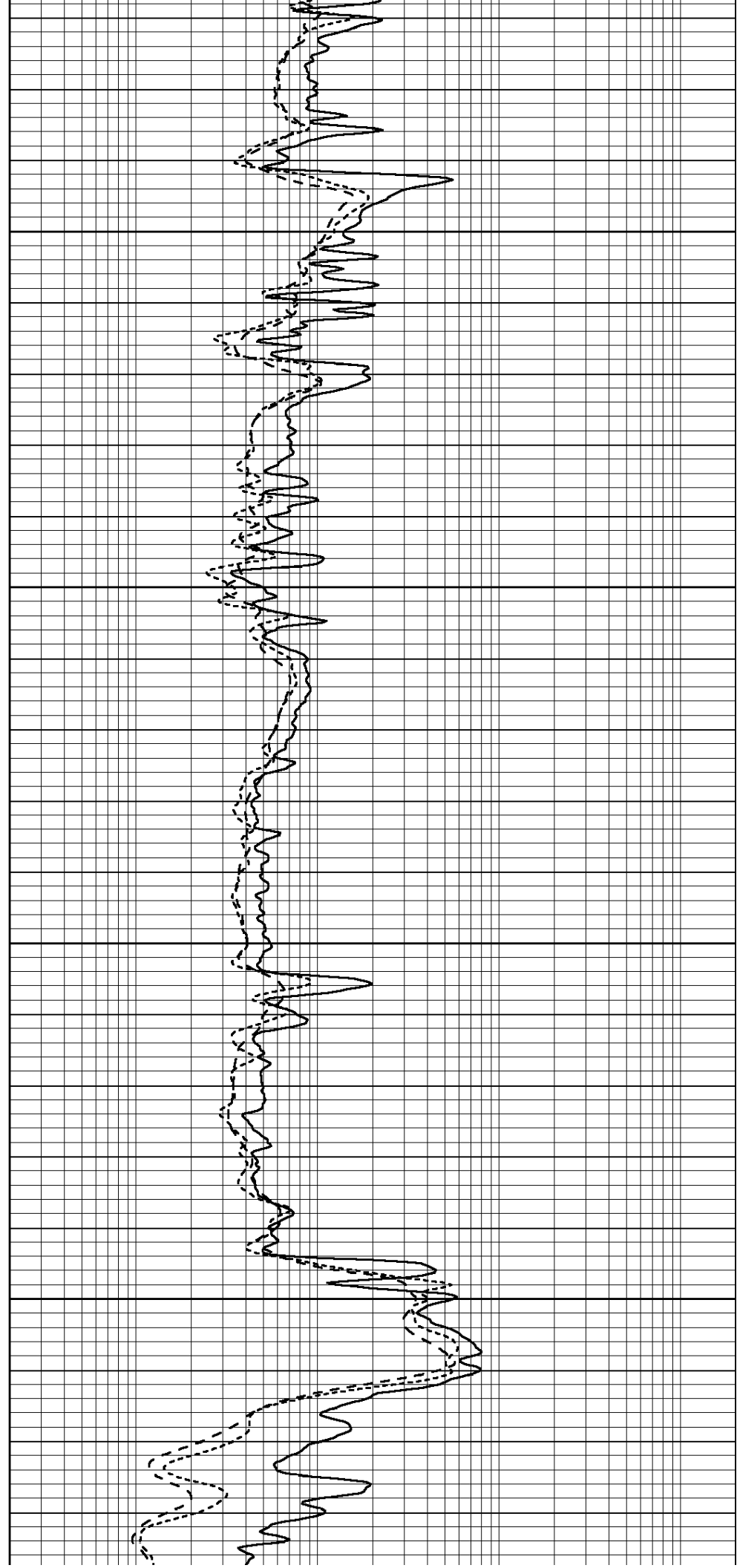


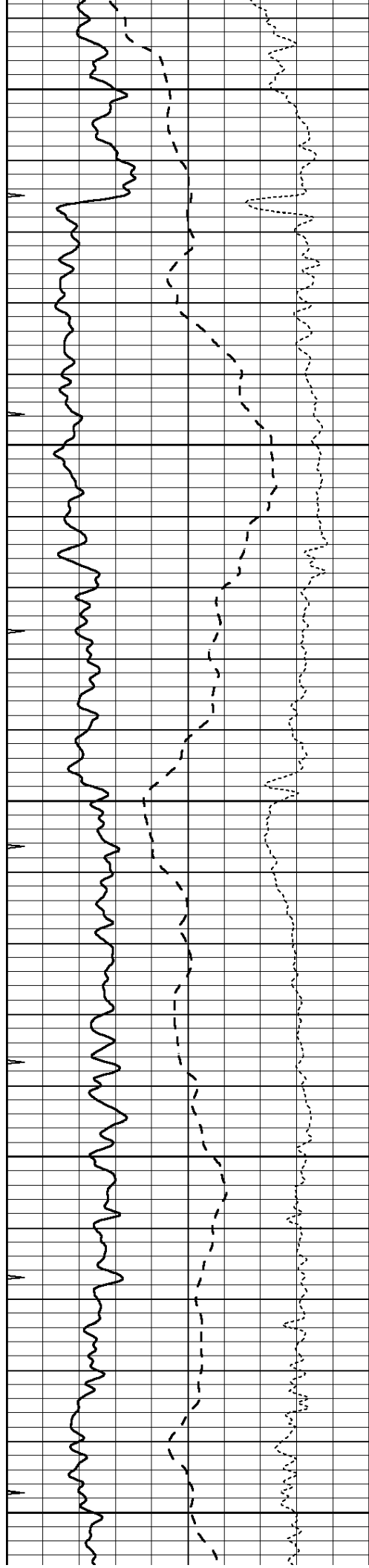
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3600

3650





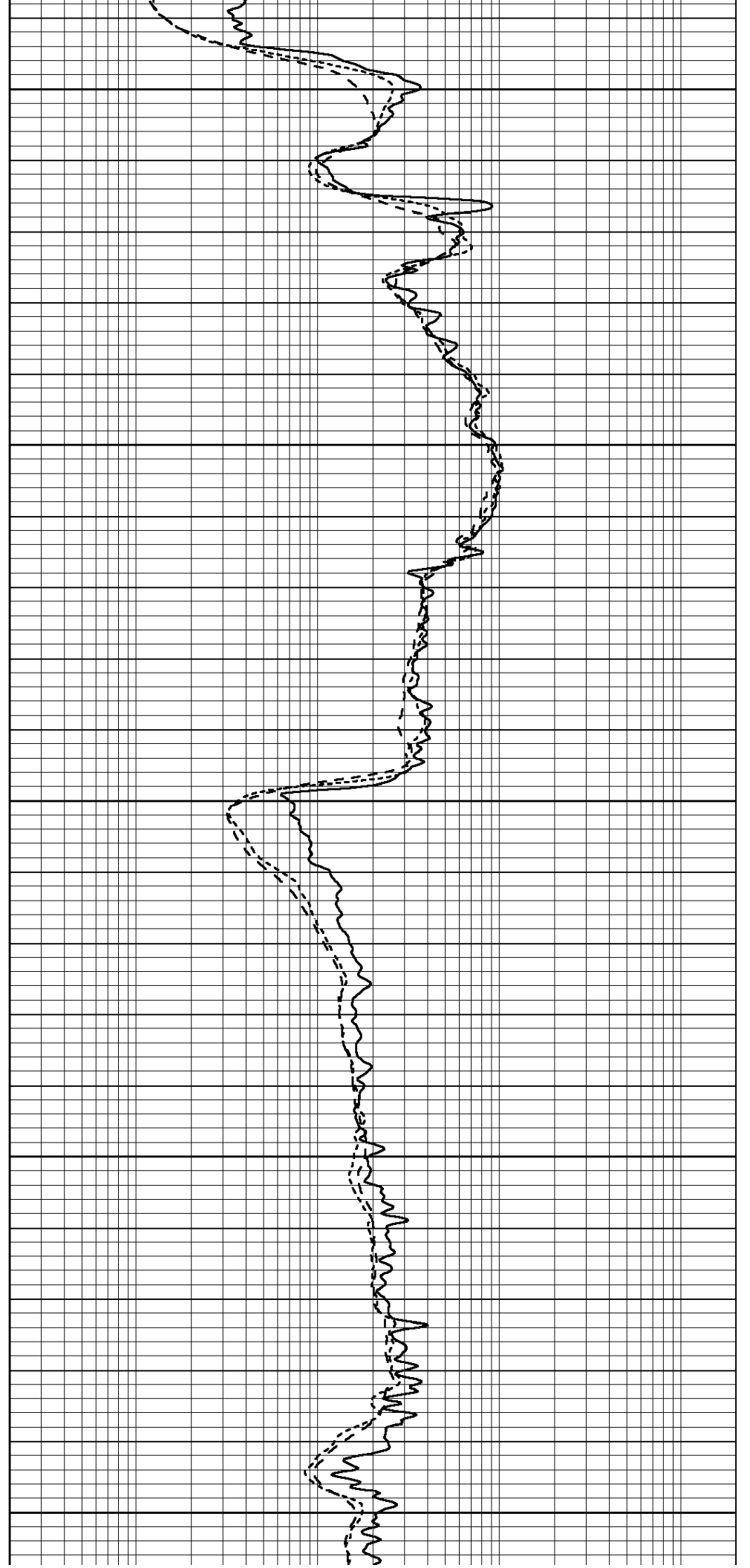
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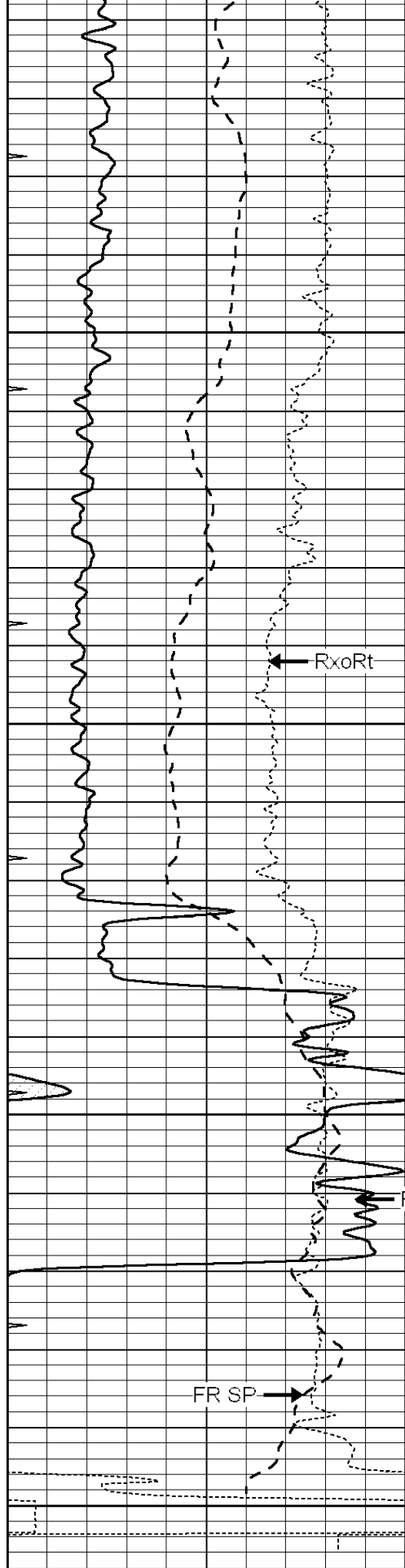
3800

3850

3900

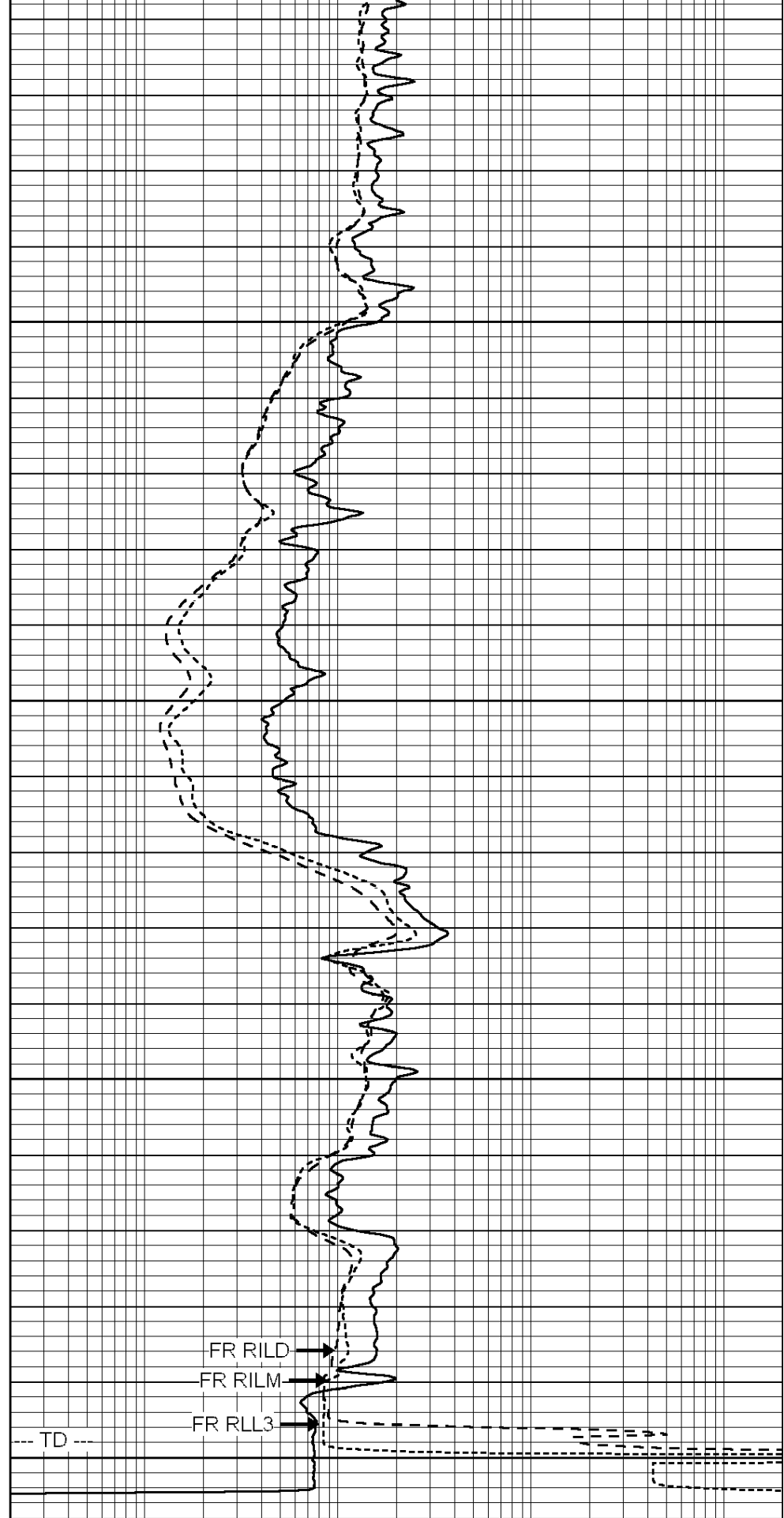






0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

3950  
4000  
4050  
4100



0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



SUPERIOR

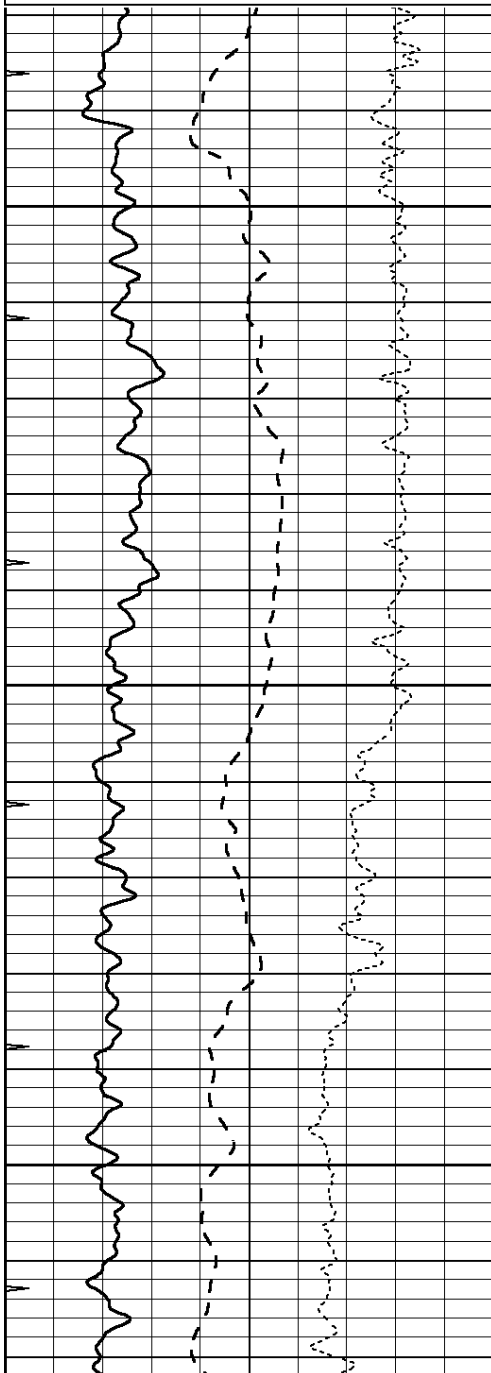
Hays,  
Kansas

# REPEAT SECTION

Database File: 005905ddn.db  
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 Presentation Format: dil  
 Dataset Creation: Thu Oct 21 16:48:18 2010 by Log Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

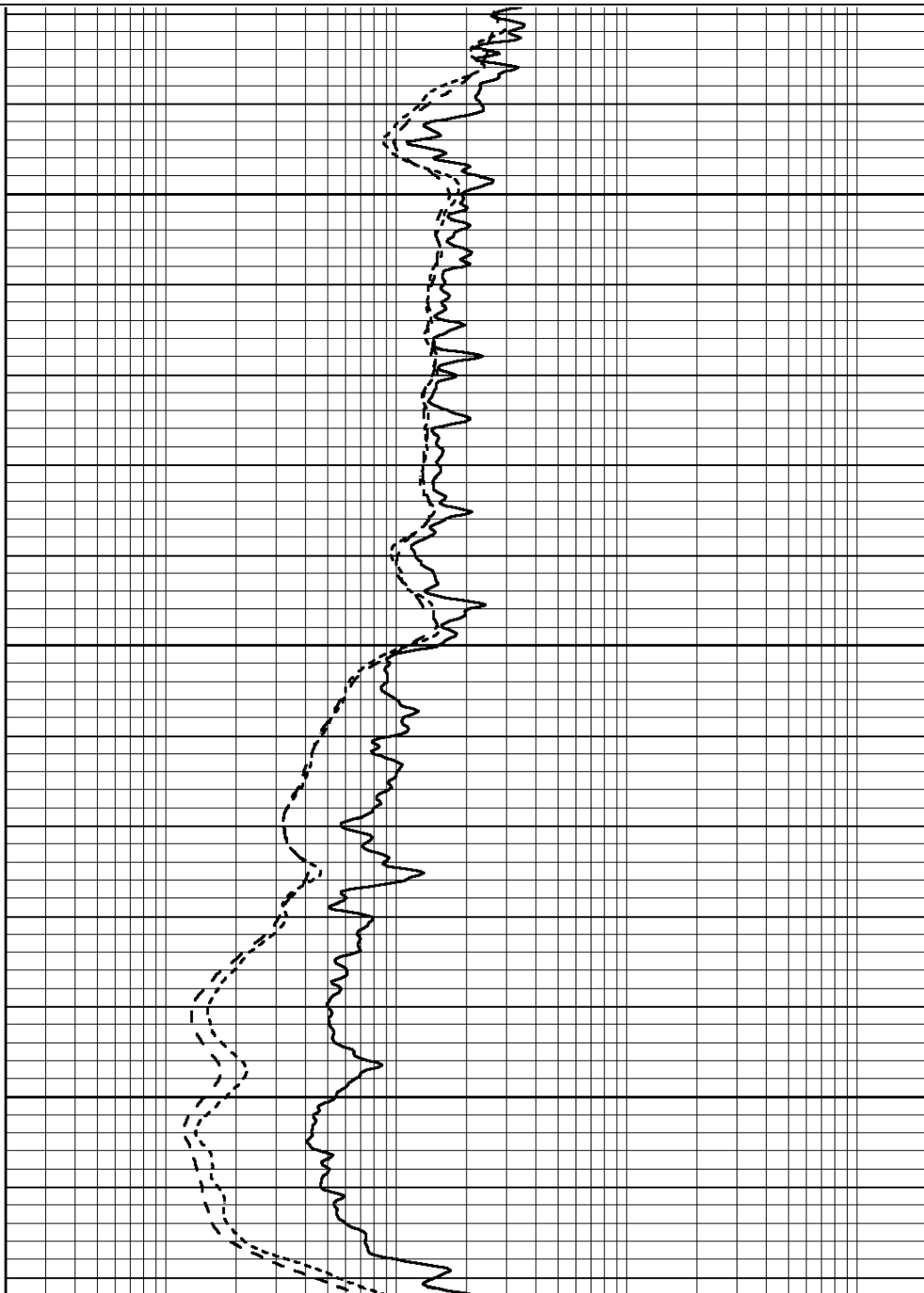
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0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

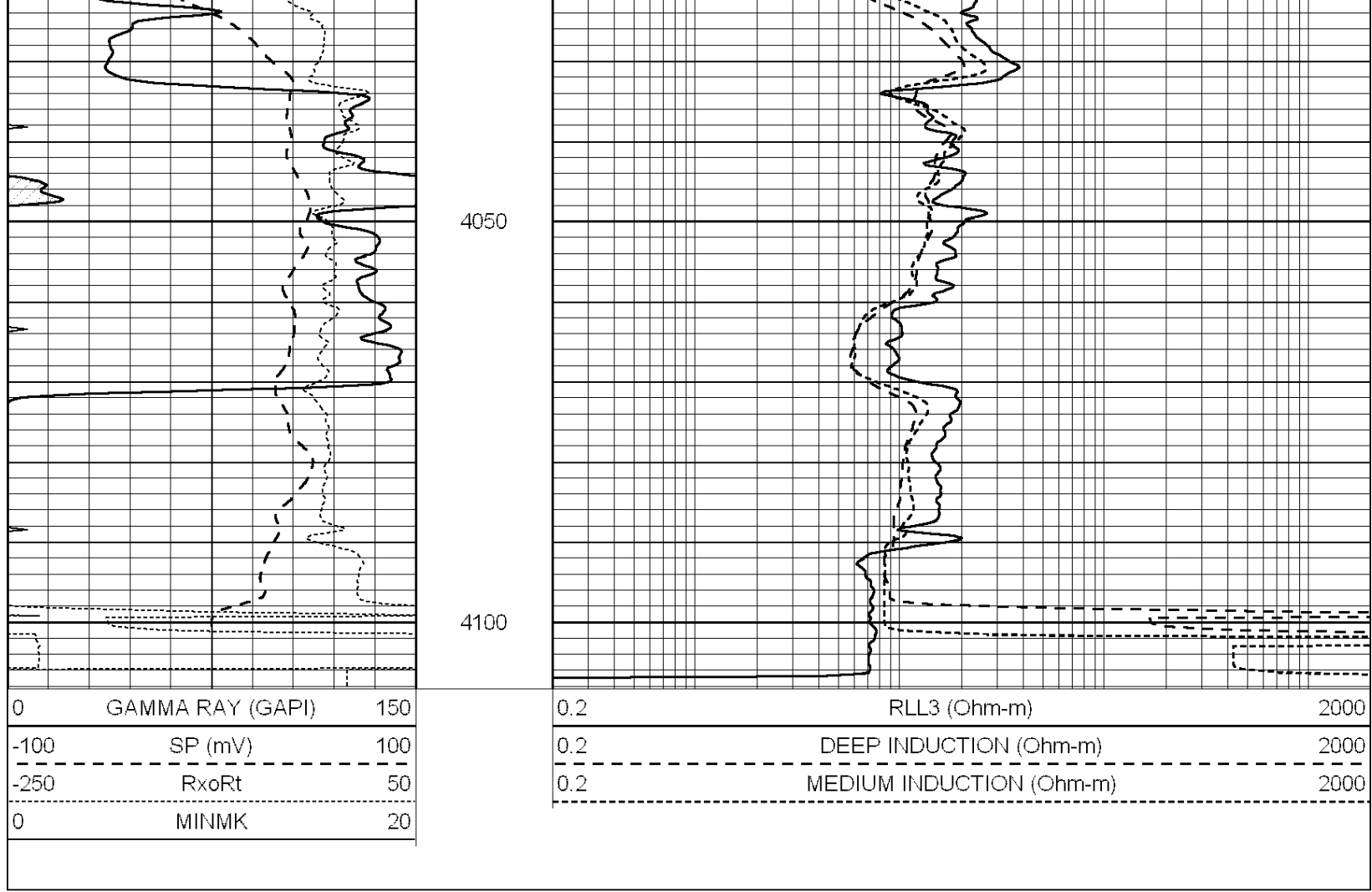


3900

3950

4000





### Calibration Report

Database File: 005905ddn.db  
 Dataset Pathname: pass3.1A  
 Dataset Creation: Thu Oct 21 18:48:58 2010

### Dual Induction Calibration Report

Serial-Model: DIL5-GEAR  
 Performed: Thu Oct 21 17:12:50 2010

Loop:	Readings			References			Results	
	Air	Loop	V	Air	Loop	mmho/m	m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	540.000	-4.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	520.000	-9.000
Internal:	Zero	Cal	V	Zero	Cal	mmho/m	m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

### Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART  
 Source / Verifier: 147 / 147  
 Master Calibration Performed: Wed Oct 13 21:23:18 2010

### Master Calibration

Density

Far Detector

Near Detector

Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.580	g/cc	282.16	435.01	cps

Spine Angle = 76.03

Density/Spine Ratio = 0.569

	Size		Reading	
Small Ring	7.70	in	3.82	V
Large Ring	14.00	in	6.37	V

Compensated Neutron Calibration Report

Serial Number: NEU\_11  
 Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	1.00 cps	1.00 cps	1.0000
Long Space	1.00 cps	1.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR5  
 Tool Model: OPEN  
 Performed: Thu Oct 21 16:40:45 2010

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6500 GAPI/cps

Company **Noble Petroleum, Inc.**  
 Address **3101 North Rock Rd, Suite 125**  
 CSZ **Wichita, KS 67226**  
 Attn. **Kent Crisler**

Lease Name **Van Allen**  
 Lease # **1**  
 Legal Desc **E/2 E/2 SW SW** Job Ticket **3401**  
 Section **23** Range **1W**  
 Township **31S**  
 County **Sumner** State **KS**  
 Drilling Cont **C & G Drilling #2**

Comments **Field: Wellington NE**

**GENERAL INFORMATION**

Test # **1** Test Date **10/14/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**

# of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**  
 Mud Weight **8.9** Viscosity **45.0**  
 Filtrate **9.2** Chlorides **3000**

Drill Collar Len **183.0**  
 Wght Pipe Len **0**

Formation **Dennis**  
 Interval Top **3041.0** Bottom **3067.0**  
 Anchor Len Below **26.0** Between **0**  
 Total Depth **3067.0**

Blow Type **Weak blow building to 5 inches initial flow period. Weak blow building to 6 inches final flow period. Times: 30, 45, 45, 62.**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

Mileage **72** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Jars & Safety Joint**  
 Time on Site **1:00 PM**  
 Tool Picked Up **2:30 PM**  
 Tool Layed Dwn **9:00 PM**

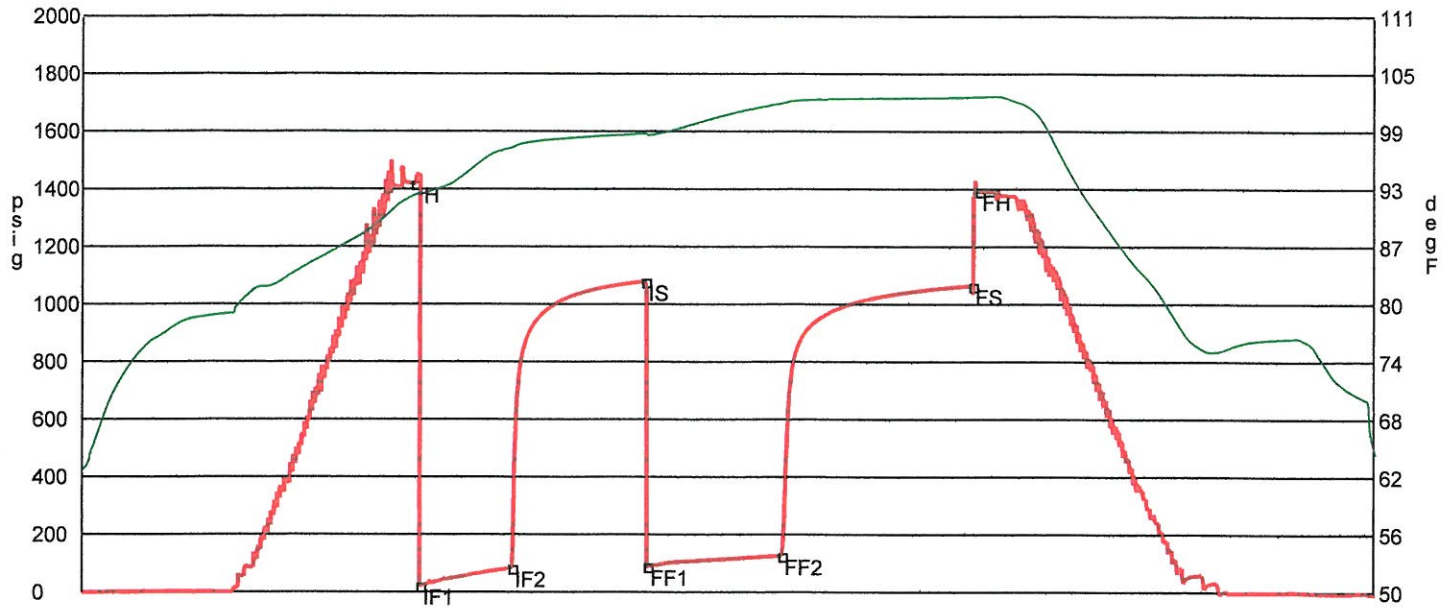
Elevation **1271.00** Kelley Bushings **1280.00**

Start Date/Time **10/14/2010 2:09 PM**  
 End Date/Time **10/14/2010 9:15 PM**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
125	Heavy water cut mud with trace oil	0% 0ft	trace	48% 60ft	52% 65ft

DST Fluids **108000**



	Date	Time	Pressure	Temp	
IH	10/14/2010 3:57:30 PM	1.808333	1418.315	92.05	Initial Hydro-static
IF1	10/14/2010 3:59:30 PM	1.841667	20.859	92.147	Initial Flow (1)
IF2	10/14/2010 4:29:50 PM	2.347222	83.075	97.071	Initial Flow (2)
IS	10/14/2010 5:13:50 PM	3.080556	1078.326	98.544	Initial Shut-In
FF1	10/14/2010 5:14:40 PM	3.094444	89.255	98.433	Final Flow (1)
FF2	10/14/2010 5:59:20 PM	3.838889	125.875	101.757	Final Flow (2)
FS	10/14/2010 7:02:00 PM	4.883333	1064.141	102.427	Final Shut-In
FH	10/14/2010 7:04:10 PM	4.919444	1393.324	102.486	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **Noble Petroleum, Inc.**  
 Address **3101 North Rock Rd, Suite 125**  
 CSZ **Wichita, KS 67226**  
 Attn. **Kent Crisler**

Lease Name **Van Allen**  
 Lease # **1**  
 Legal Desc **E/2 E/2 SW SW** Job Ticket **3401**  
 Section **23** Range **1W**  
 Township **31S**  
 County **Sumner** State **KS**  
 Drilling Cont **C & G Drilling #2**

Comments **Field: Wellington NE**

**GENERAL INFORMATION**

Test # **2** Test Date **10/15/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

# of Packers **2.0** Packer Size **6 3/4**

Mileage **72** Approved By

Mud Type **Gel Chem**  
 Mud Weight **8.9** Viscosity **45.0**  
 Filtrate **13.2** Chlorides **7000**

Standby Time **0**  
 Extra Equipmnt **Jars & Safety Joint**  
 Time on Site **5:30 AM**  
 Tool Picked Up **7:00 AM**  
 Tool Layed Dwn **1:00 PM**

Drill Collar Len **183.0**  
 Wght Pipe Len **0**

Elevation **1271.00** Kelley Bushings **1280.00**

Formation **Swope**  
 Interval Top **3126.0** Bottom **3152.0**  
 Anchor Len Below **26.0** Between **0**  
 Total Depth **3152.0**

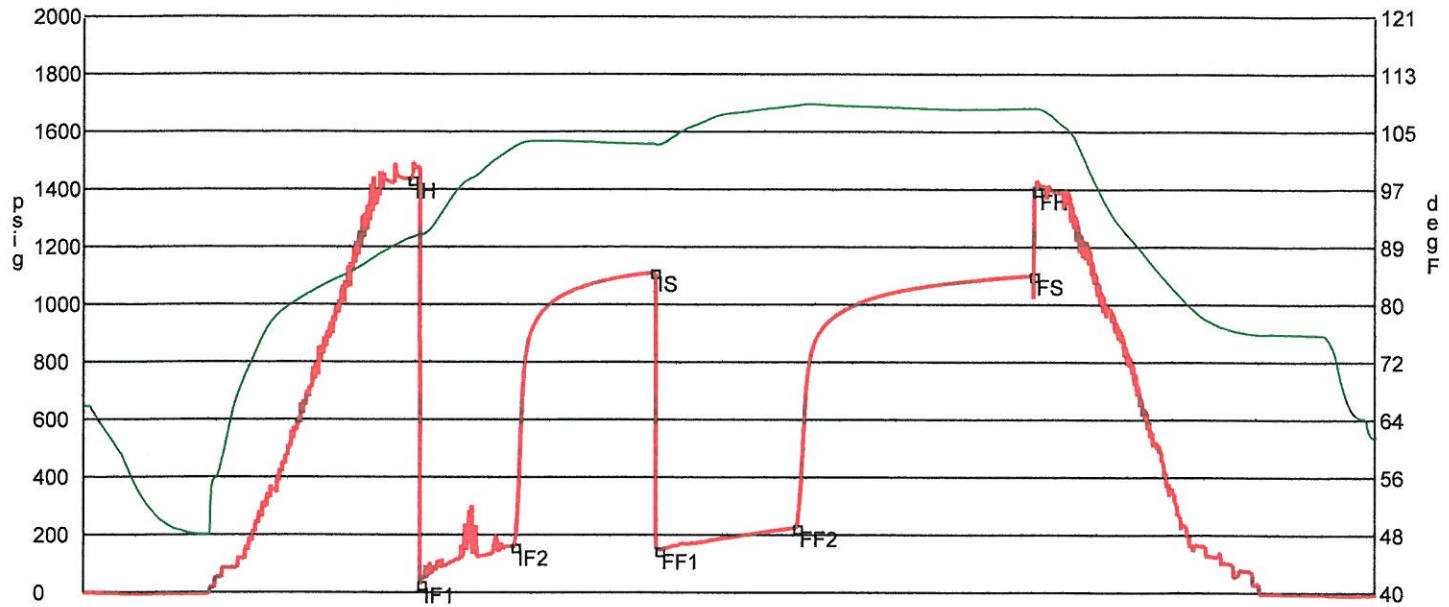
Start Date/Time **10/15/2010 6:44 AM**  
 End Date/Time **10/15/2010 1:34 PM**

Blow Type **Weak blow building to strong blow 17 minutes into initial flow period. Weak blow building to strong blow 18 minutes into final flow period. 4 inch blow back during final shut-in period. Times: 30, 45, 45, 75.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
140	Gas in pipe	100% 140ft	0% 0ft	0% 0ft	0% 0ft
190	Gassy oil and heavy water cut mud	30% 57ft	3% 5.7ft	28% 53.2ft	39% 74.1ft
240	Water with trace oil	0% 0ft	trace	100% 240ft	0% 0ft

DST Fluids **162000**



	Date	Time	Pressure	Temp	
IH	10/15/2010 8:27:10 AM	1.719444	1433.68	89.916	Initial Hydro-static
IF1	10/15/2010 8:30:10 AM	1.769444	28.683	90.268	Initial Flow (1)
IF2	10/15/2010 8:59:50 AM	2.263889	159.404	102.694	Initial Flow (2)
IS	10/15/2010 9:44:10 AM	3.002778	1111.1	103.077	Initial Shut-In
FF1	10/15/2010 9:45:40 AM	3.027778	146.294	102.946	Final Flow (1)
FF2	10/15/2010 10:29:30 AM	3.758333	225.136	108.495	Final Flow (2)
FS	10/15/2010 11:44:30 AM	5.008333	1100.087	108.045	Final Shut-In
FH	10/15/2010 11:45:30 AM	5.025	1397.093	108.08	Final Hydro-static

GAS FLOWS

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke



Company **Noble Petroleum, Inc.**  
 Address **3101 North Rock Rd, Suite 125**  
 CSZ **Wichita, KS 67226**  
 Attn. **Kent Crisler**

Lease Name **Van Allen**  
 Lease # **1**  
 Legal Desc **E/2 E/2 SW SW**  
 Section **23**  
 Township **31S**  
 County **Sumner**  
 Drilling Cont **C & G Drilling #2**

Job Ticket **3401**  
 Range **1W**  
 State **KS**

Comments **Field: Wellington NE**

**GENERAL INFORMATION**

Test # **3** Test Date **10/16/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

# of Packers **2.0** Packer Size **6 3/4**

Mileage **20** Approved By

Mud Type **Gel Chem**  
 Mud Weight **8.7** Viscosity **44.0**  
 Filtrate **13.2** Chlorides **7000**

Standby Time **0**  
 Extra Equipmnt **Jars & Safety Joint**  
 Time on Site **9:00 PM**  
 Tool Picked Up **10:00 PM**  
 Tool Layed Dwn **5:00 AM**

Drill Collar Len **183.0**  
 Wght Pipe Len **0**

Elevation **1271.00** Kelley Bushings **1280.00**

Formation **Hertha**  
 Interval Top **3164.0** Bottom **3198.0**  
 Anchor Len Below **34.0** Between **0**  
 Total Depth **3198.0**

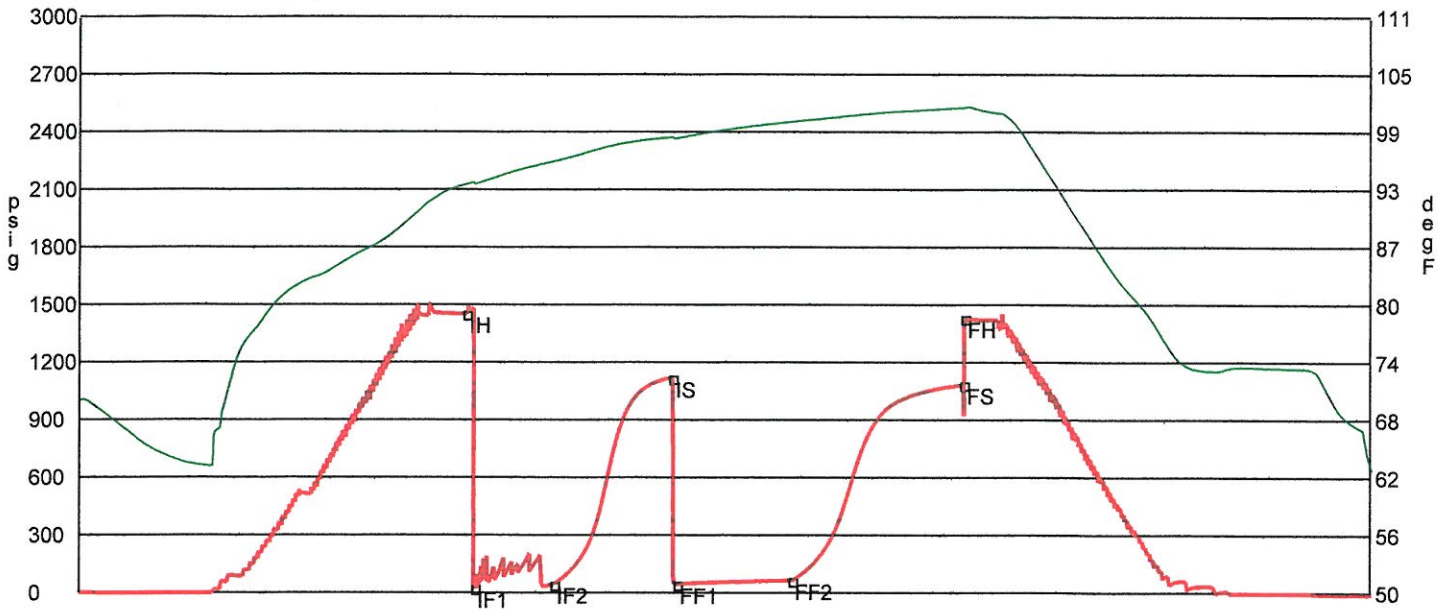
Start Date/Time **10/15/2010 9:39 PM**  
 End Date/Time **10/16/2010 5:45 AM**

Blow Type **Weak blow building to 11 inches initial flow period. Weak blow building to strong blow 6 minutes into final flow period. Times: 30, 45, 45, 64.**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
250	Gas in pipe	100% 250ft	0% 0ft	0% 0ft	0% 0ft
60	Heavy gas and oil cut mud	21% 12.6ft	11% 6.6ft	0% 0ft	68% 40.8ft
60	Gassy water and heavy oil cut mud	32% 19.2ft	28% 16.8ft	8% 4.8ft	32% 19.2ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	10/16/2010 12:03:50 AM	2.413889	1451.499	93.254	Initial Hydro-static
IF1	10/16/2010 12:07:00 AM	2.466667	20.157	93.299	Initial Flow (1)
IF2	10/16/2010 12:36:50 AM	2.963889	42.896	95.678	Initial Flow (2)
IS	10/16/2010 1:21:20 AM	3.705556	1115.253	98.238	Initial Shut-In
FF1	10/16/2010 1:23:10 AM	3.736111	42.424	98.127	Final Flow (1)
FF2	10/16/2010 2:06:40 AM	4.461111	62.56	99.864	Final Flow (2)
FS	10/16/2010 3:11:10 AM	5.536111	1083.317	101.368	Final Shut-In
FH	10/16/2010 3:11:30 AM	5.541667	1428.888	101.414	Final Hydro-static

GAS FLOWS

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **Noble Petroleum, Inc.**  
 Address **3101 North Rock Rd, Suite 125**  
 CSZ **Wichita, KS 67226**  
 Attn. **Kent Crisler**

Lease Name **Van Allen**  
 Lease # **1**  
 Legal Desc **E/2 E/2 SW SW**  
 Section **23**  
 Township **31S**  
 County **Sumner**  
 Drilling Cont **C & G Drilling #2**

Job Ticket **3401**  
 Range **1W**  
 State **KS**

Comments **Field: Wellington NE**

**GENERAL INFORMATION**

Test # **4** Test Date **10/17/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**

# of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**  
 Mud Weight **8.9** Viscosity **44.0**  
 Filtrate **12.0** Chlorides **8000**

Drill Collar Len **183.0**  
 Wght Pipe Len **0**

Formation **Mississippian**  
 Interval Top **3646.0** Bottom **3667.0**  
 Anchor Len Below **21.0** Between **0**  
 Total Depth **3667.0**

Blow Type **Weak blow building to 2 inches initial flow period. Weak blow building to 3 inches final flow period. Times: 30, 45, 45, 60.**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

Mileage **72** Approved By  
 Standby Time **0**

Extra Equipmnt **Jars & Safety Joint**  
 Time on Site **8:15 PM**  
 Tool Picked Up **9:00 PM**  
 Tool Layed Dwn **4:30 AM**

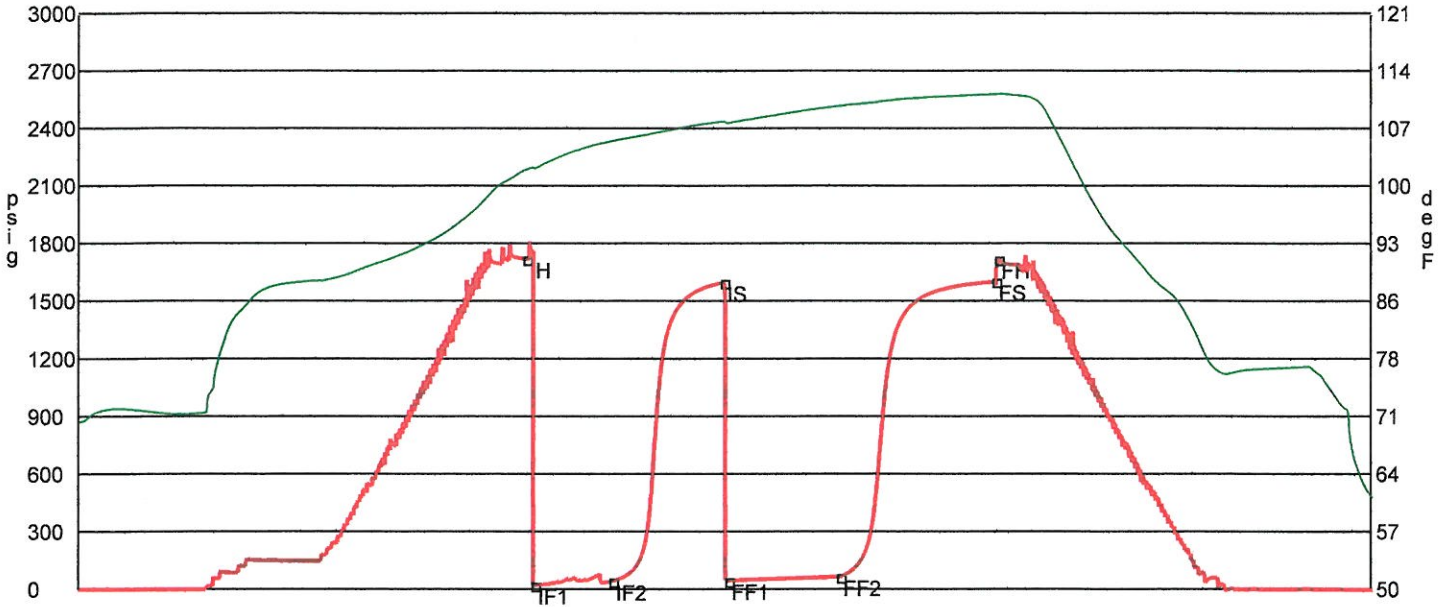
Elevation **1271.00** Kelley Bushings **1280.00**

Start Date/Time **10/17/2010 8:41 PM**  
 End Date/Time **10/18/2010 5:08 AM**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
50	Gas in pipe	100% 50ft	0% 0ft	0% 0ft	0% 0ft
40	Gassy oil cut mud	7% 2.8ft	1% 0.4ft	0% 0ft	92% 36.8ft
60	Gassy oil and heavy water cut mud	13% 7.8ft	3% 1.8ft	19% 11.4ft	65% 39ft

DST Fluids **49000**



	Date	Time	Pressure	Temp	
IH	10/17/2010 11:35:30 PM	2.908333	1718.013	101.711	Initial Hydro-static
IF1	10/17/2010 11:38:50 PM	2.963889	19.519	101.864	Initial Flow (1)
IF2	10/18/2010 12:09:20 AM	3.472222	40.164	105.246	Initial Flow (2)
IS	10/18/2010 12:52:50 AM	4.197222	1595.02	107.635	Initial Shut-In
FF1	10/18/2010 12:54:40 AM	4.227778	42.691	107.448	Final Flow (1)
FF2	10/18/2010 1:38:40 AM	4.961111	63.057	109.56	Final Flow (2)
FS	10/18/2010 2:39:50 AM	5.980556	1599.981	111.011	Final Shut-In
FH	10/18/2010 2:40:50 AM	5.997222	1715.676	111.031	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **Noble Petroleum, Inc.**  
 Address **3101 North Rock Rd, Suite 125**  
 CSZ **Wichita, KS 67226**  
 Attn. **Kent Crisler**

Lease Name **Van Allen**  
 Lease # **1**  
 Legal Desc **E/2 E/2 SW SW** Job Ticket **3401**  
 Section **23** Range **1W**  
 Township **31S**  
 County **Sumner** State **KS**  
 Drilling Cont **C & G Drilling #2**

Comments **Field: Wellington NE**

**GENERAL INFORMATION**

Test # **5** Test Date **10/20/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole**  
**Successful Test**

# of Packers **2.0** Packer Size **6 3/4**

Mud Type **Gel Chem**  
 Mud Weight **8.9** Viscosity **49.0**  
 Filtrate **13.6** Chlorides **6000**

Drill Collar Len **183.0**  
 Wght Pipe Len **0**

Formation **Simpson Sand**  
 Interval Top **4065.0** Bottom **4086.0**  
 Anchor Len Below **21.0** Between **0**  
 Total Depth **4086.0**

Blow Type **Weak blow building to 1/4 inch initial flow period. No blow final flow period.**  
**Times: 30, 45, 30, 48.**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

Mileage **20** Approved By  
 Standby Time **0**  
 Extra Equipmnt **Jars & Safety Joint**  
 Time on Site **12:00 PM**  
 Tool Picked Up **1:00 PM**  
 Tool Layed Dwn **6:30 PM**

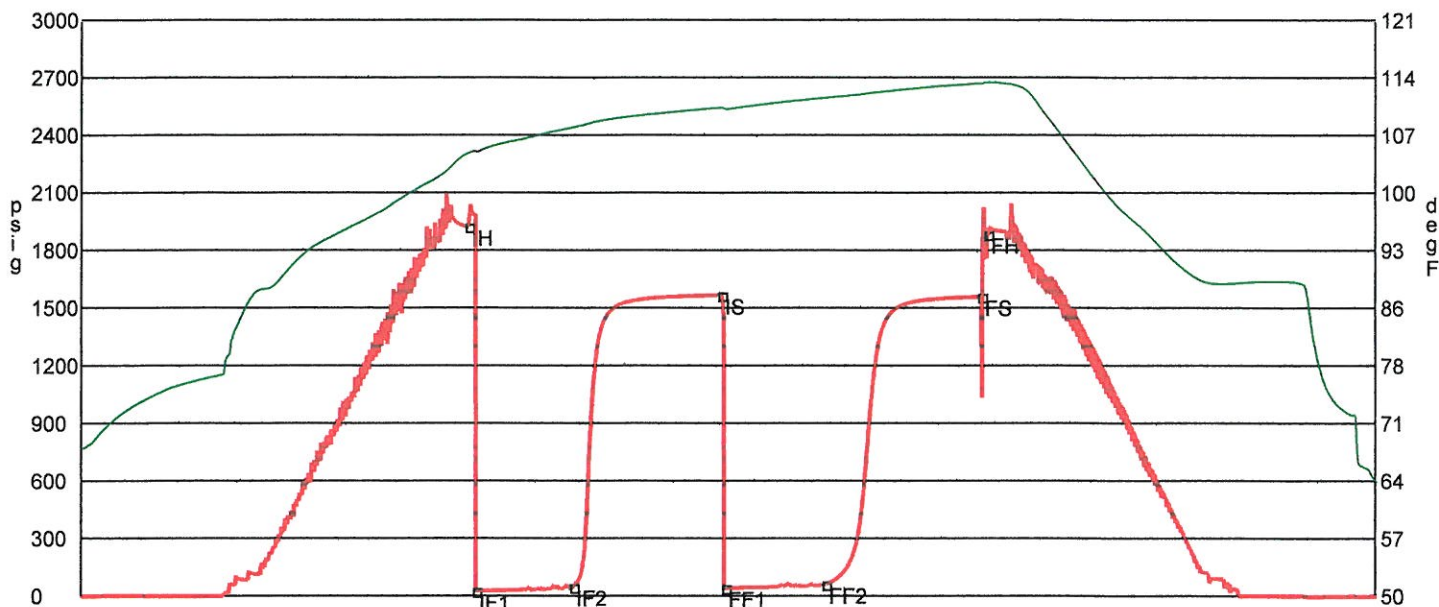
Elevation **1271.00** Kelley Bushings **1280.00**

Start Date/Time **10/20/2010 12:35 PM**  
 End Date/Time **10/20/2010 7:06 PM**

**RECOVERY**

Feet	Description	Gas	Oil	Water	Mud
70	Drilliing mud with slight trace oil	0% 0ft	trace	0% 0ft	100%70ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	10/20/2010 2:31:10 PM	1.936111	1922.203	104.54	Initial Hydro-static
IF1	10/20/2010 2:33:30 PM	1.975	24.145	104.698	Initial Flow (1)
IF2	10/20/2010 3:02:50 PM	2.463889	46.309	107.746	Initial Flow (2)
IS	10/20/2010 3:47:40 PM	3.211111	1565.435	110.175	Initial Shut-In
FF1	10/20/2010 3:48:50 PM	3.230556	40.258	110.003	Final Flow (1)
FF2	10/20/2010 4:19:20 PM	3.738889	60.126	111.391	Final Flow (2)
FS	10/20/2010 5:06:50 PM	4.530556	1556.765	113.173	Final Shut-In
FH	10/20/2010 5:08:40 PM	4.561111	1882.053	113.266	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke

Company **Noble Petroleum, Inc.**  
 Address **3101 North Rock Rd, Suite 125**  
 CSZ **Wichita, KS 67226**  
 Attn. **Kent Crisler**

Lease Name **Van Allen**  
 Lease # **1**  
 Legal Desc **E/2 E/2 SW SW** Job Ticket **3401**  
 Section **23** Range **1W**  
 Township **31S**  
 County **Sumner** State **KS**  
 Drilling Cont **C & G Drilling #2**

Comments **Field: Wellington NE**

**GENERAL INFORMATION**

Test # **6** Test Date **10/21/2010**  
 Tester **Jimmy Ricketts**  
 Test Type **Conventional Bottom Hole Successful Test**

Chokes **3/4** Hole Size **7 7/8**  
 Top Recorder # **13767**  
 Mid Recorder #  
 Bott Recorder # **w1023**

# of Packers **2.0** Packer Size **6 3/4**

Mileage **20** Approved By

Mud Type **Gel Chem**  
 Mud Weight **9.2** Viscosity **65.0**  
 Filtrate **18.0** Chlorides **14000**

Standby Time **0**  
 Extra Equipmnt **Jars & Safety Joint**  
 Time on Site **2:30 AM**  
 Tool Picked Up **3:30 AM**  
 Tool Layed Dwn **10:00 AM**

Drill Collar Len **183.0**  
 Wght Pipe Len **0**

Elevation **1271.00** Kelley Bushings **1280.00**

Formation **Simpson Sand**  
 Interval Top **4071.0** Bottom **4092.0**  
 Anchor Len Below **21.0** Between **0**  
 Total Depth **4092.0**

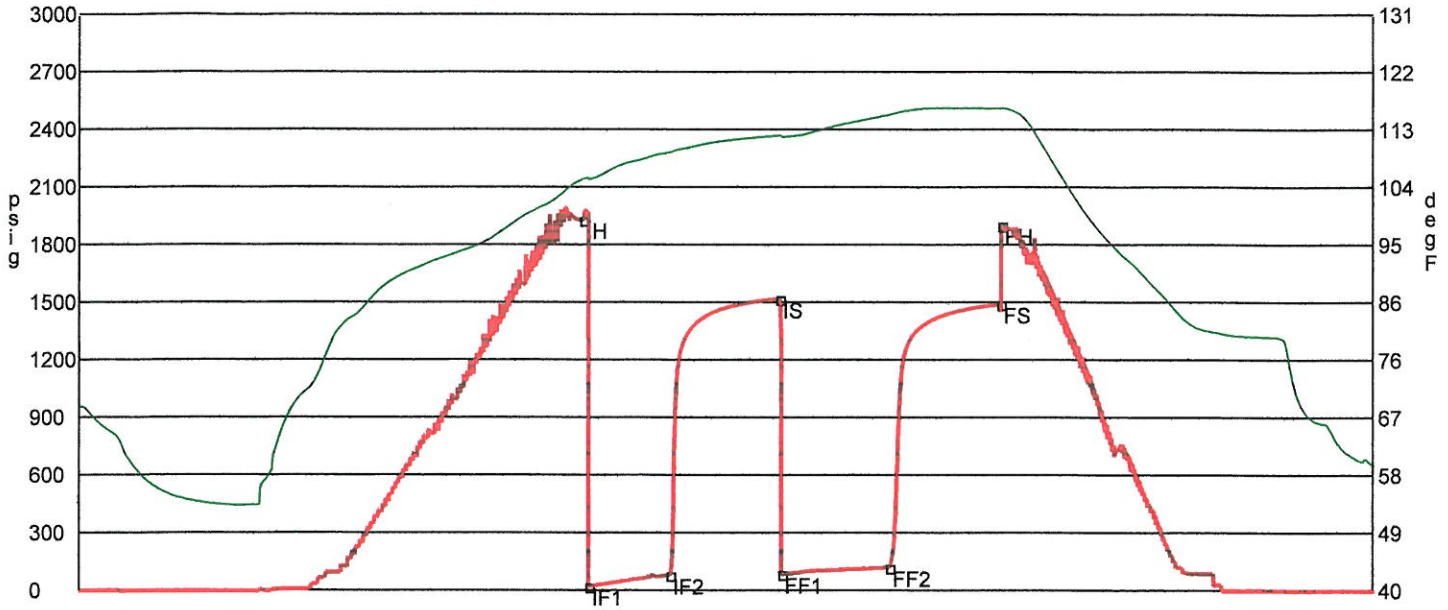
Start Date/Time **10/21/2010 2:42 AM**  
 End Date/Time **10/21/2010 10:36 AM**

Blow Type **Weak blow building to 5 inches initial flow period. Weak blow building to 3 inches final flow period. Times: 30, 40, 40, 41.**

**RECOVERY**

Feet	Description	Gas		Oil		Water		Mud
50	Drilling mud	0%	0ft	0%	0ft	0%	0ft	100%50ft
185	Mud and water	0%	0ft	0%	0ft	50%	92.5ft	50% 92.5ft

DST Fluids **36000**



	Date	Time	Pressure	Temp	
IH	10/21/2010 5:45:30 AM	3.058333	1927.909	104.889	Initial Hydro-static
IF1	10/21/2010 5:47:40 AM	3.094444	19.731	104.938	Initial Flow (1)
IF2	10/21/2010 6:17:20 AM	3.588889	78.723	109.174	Initial Flow (2)
IS	10/21/2010 6:57:20 AM	4.255556	1516.831	111.831	Initial Shut-In
FF1	10/21/2010 6:58:10 AM	4.269444	83.435	111.687	Final Flow (1)
FF2	10/21/2010 7:38:00 AM	4.933333	117.907	115.118	Final Flow (2)
FS	10/21/2010 8:18:50 AM	5.613889	1489.532	116.103	Final Shut-In
FH	10/21/2010 8:19:10 AM	5.619444	1900.679	116.144	Final Hydro-static

**GAS FLOWS**

Min Into IFP   Min Into FFP   Gas Flows   Pressure   Choke