



Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.		Company Maralex Resources, Inc.	
15-179-21274-00-00		Well Slipke No. 25-1	
Field Allodium		County Sheridan State Kansas	
Location NE - SW - SE - NE 2230' FNL & 790' FEL		Other Services CNL/CDL MEL/BHCS	
Sec: 25 Twp: 6 S Rge: 26 W		Elevation	
Permanent Datum Ground Level		Elevation 2612	
Log Measured From Kelly Bushing		8 Ft. Above Perm. Datum	
Drilling Measured From Kelly Bushing		K.B. 2620 D.F. 2612 G.L. 2612	
Date	1/8/2010		
Run Number	One		
Depth Driller	4588		
Depth Logger	4582		
Bottom Logged Interval	4581		
Top Log Interval	300		
Casing Driller	8.625 @ 345		
Casing Logger	348		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1200		
Density / Viscosity	9.4 43		
pH / Fluid Loss	9.5 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.60 @ 50		
Rmf @ Meas. Temp	1.20 @ 50		
Rmc @ Meas. Temp	2.16 @ 50		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.66 @ 122		
Operating Rig Time	5 Hours		
Max Rec. Temp. F	122		
Equipment Number	15		
Location	Hays		
Recorded By	B. Becker		
Witnessed By	Christie Reid	John Rundel	

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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.

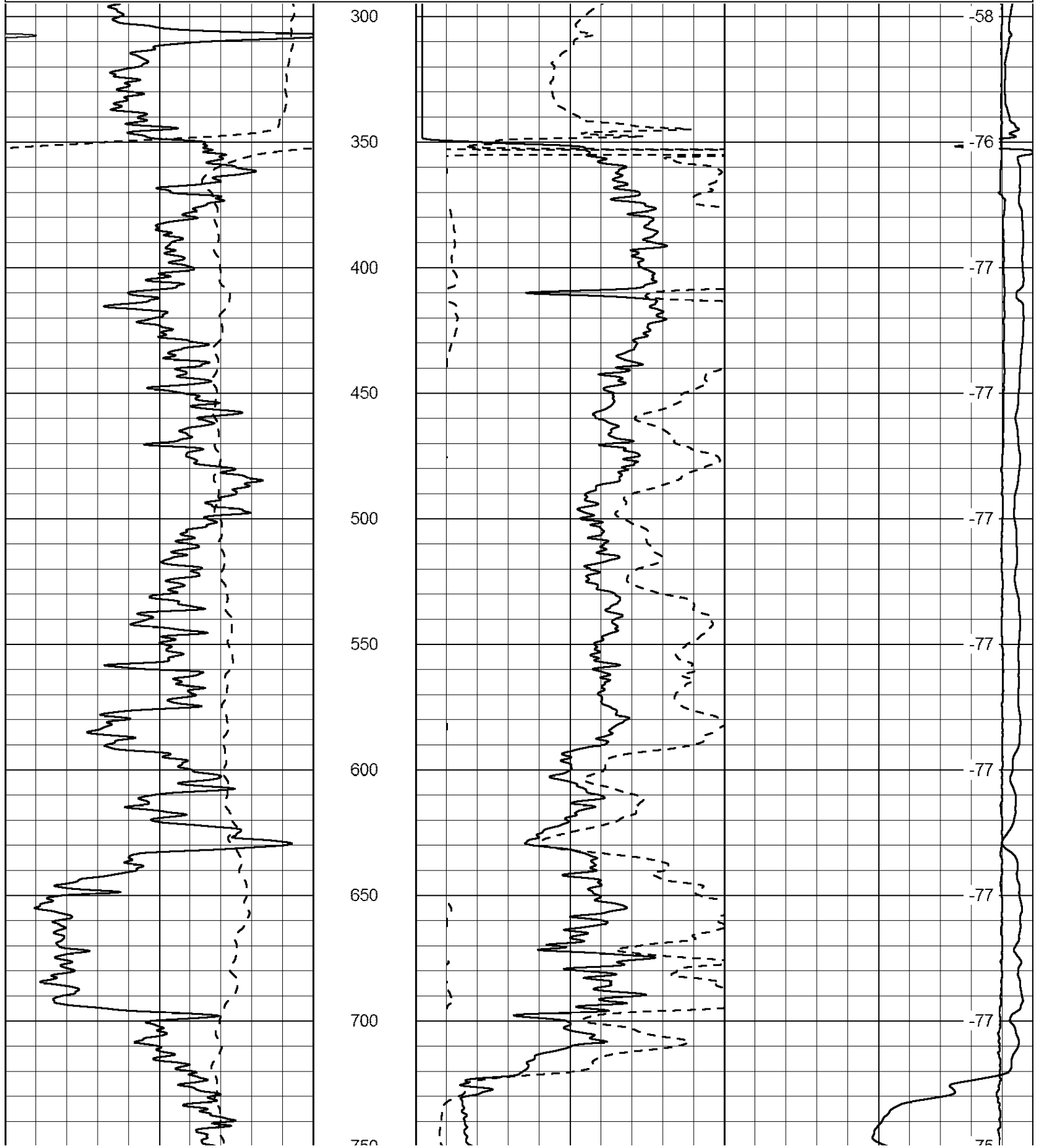
Comments

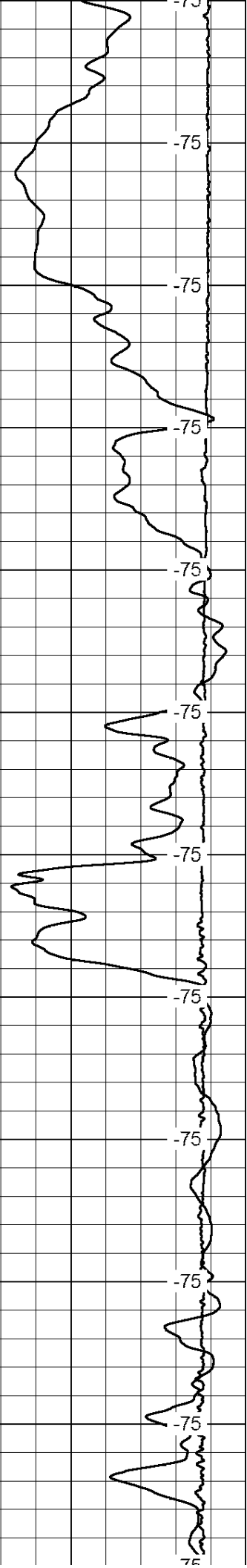
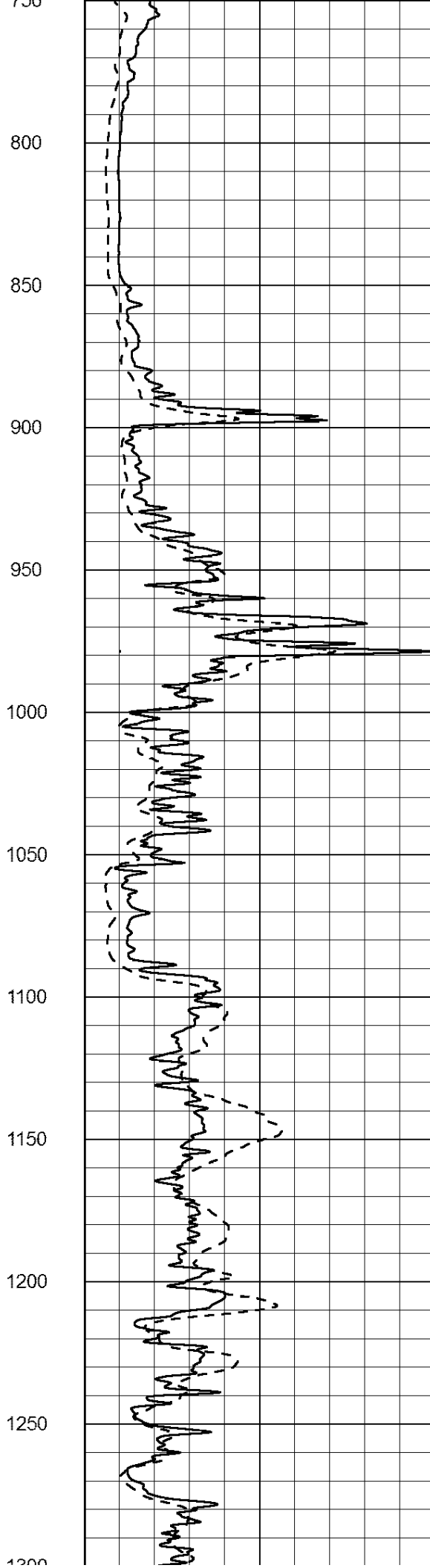
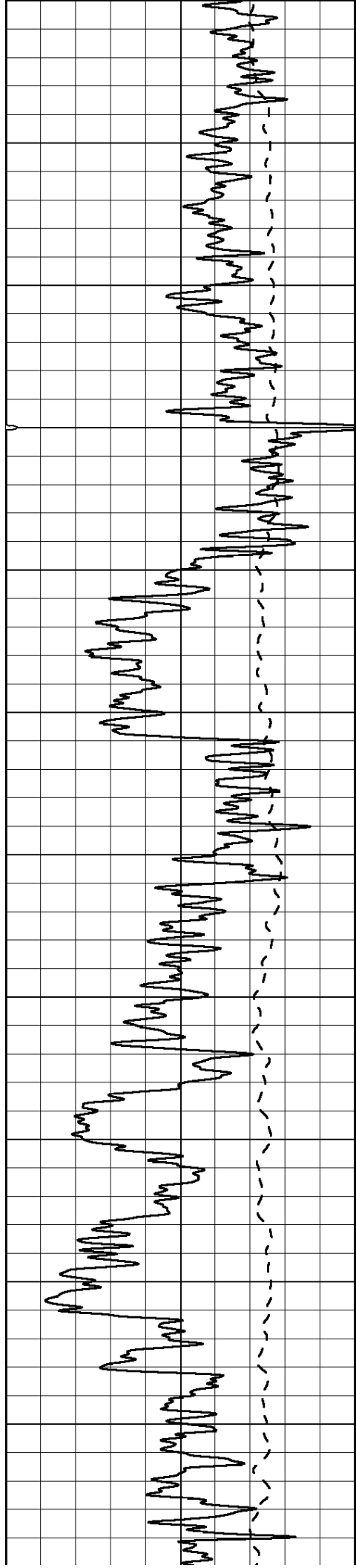
Thank you for using Log-Tech, Inc.
(785) 625-3858

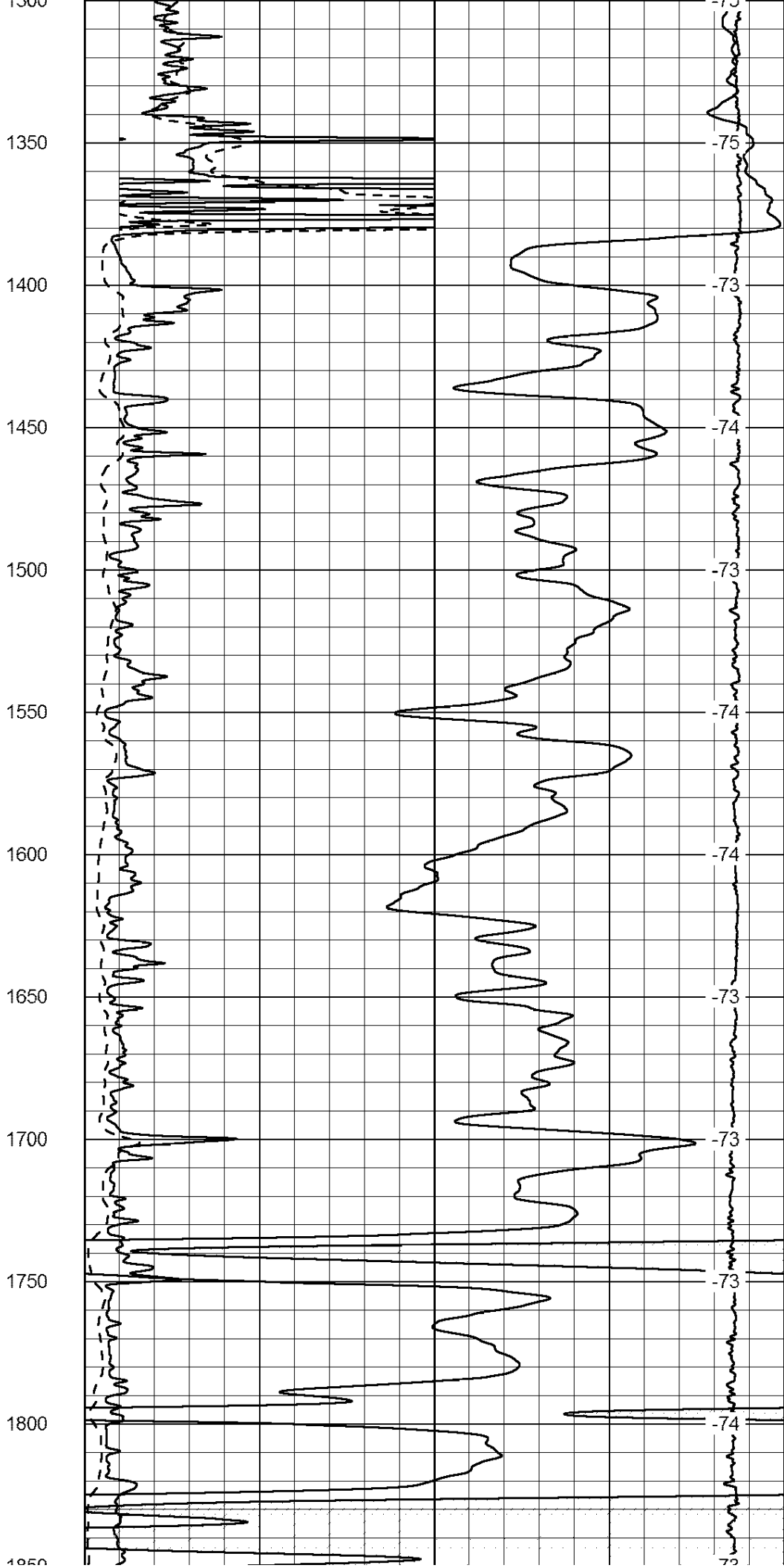
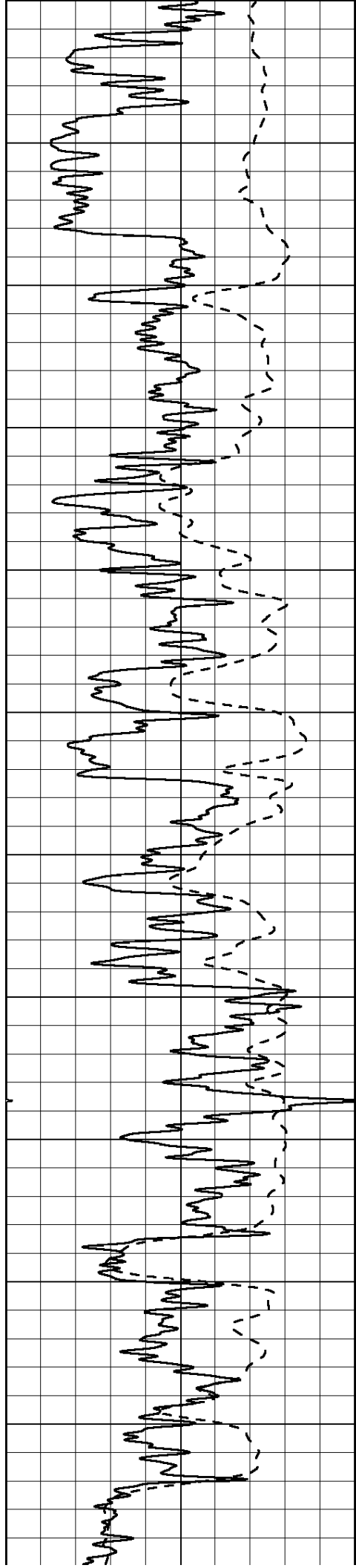
Studley, Ks; East edge of town;
10-1/4 North; West Into

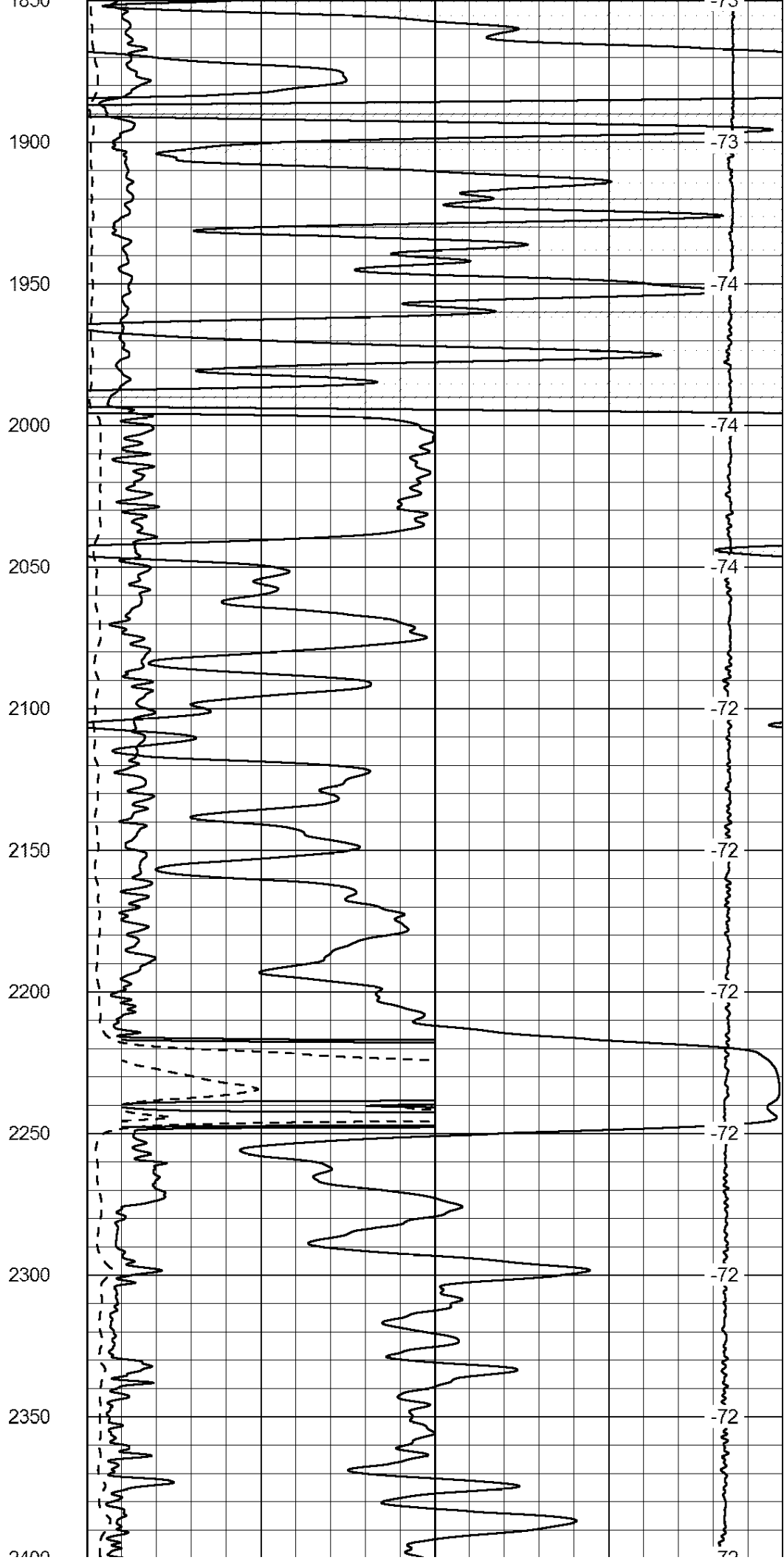
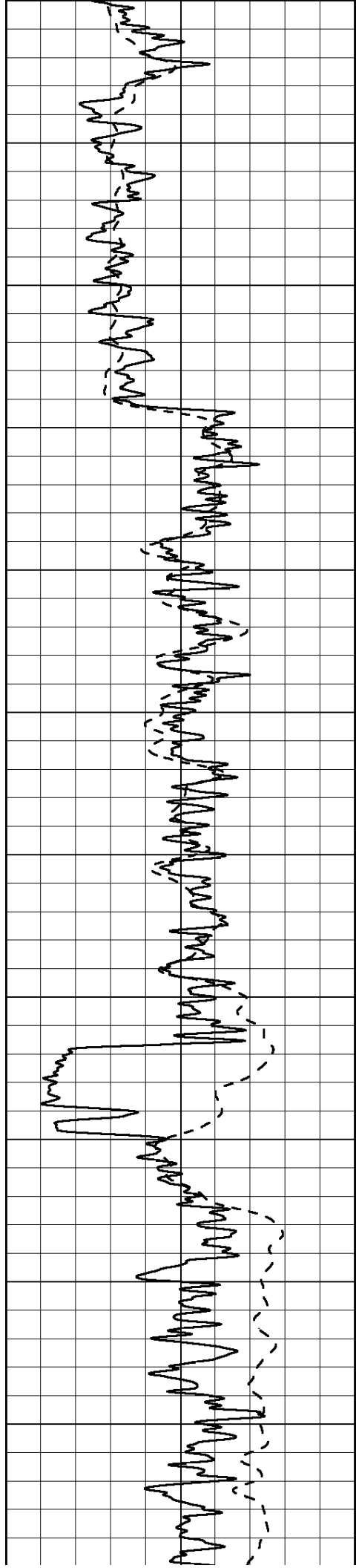
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Dataset Pathname: Stack/pass3.2
Presentation Format: dil2in
Dataset Creation: Sat Jan 08 11:00:05 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

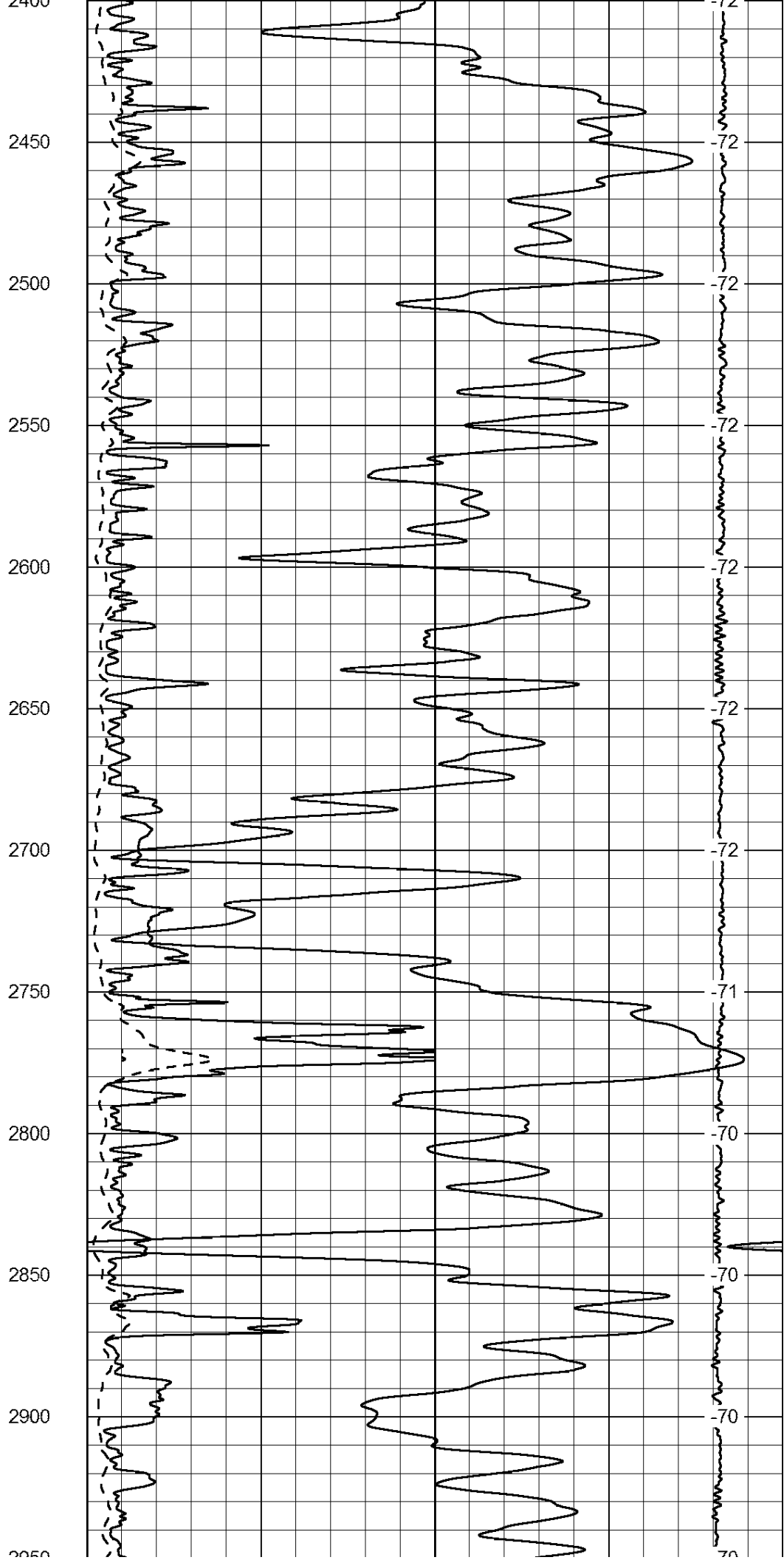
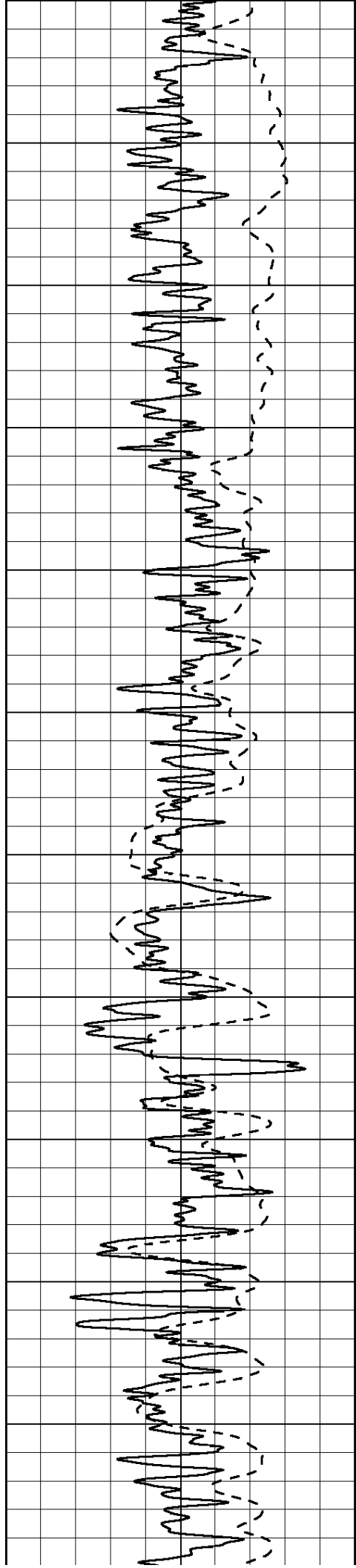
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-200	SP (mV)	0	0	Deep Resistivity (Ohm-m)	50			
-----			1000	Conductivity (mmho/m)		0		
			15000	Line Tension (lb)		0		
			Shallow Resistivity					
			50	(Ohm-m)	500			
			50	Deep Resistivity (Ohm-m)	500			
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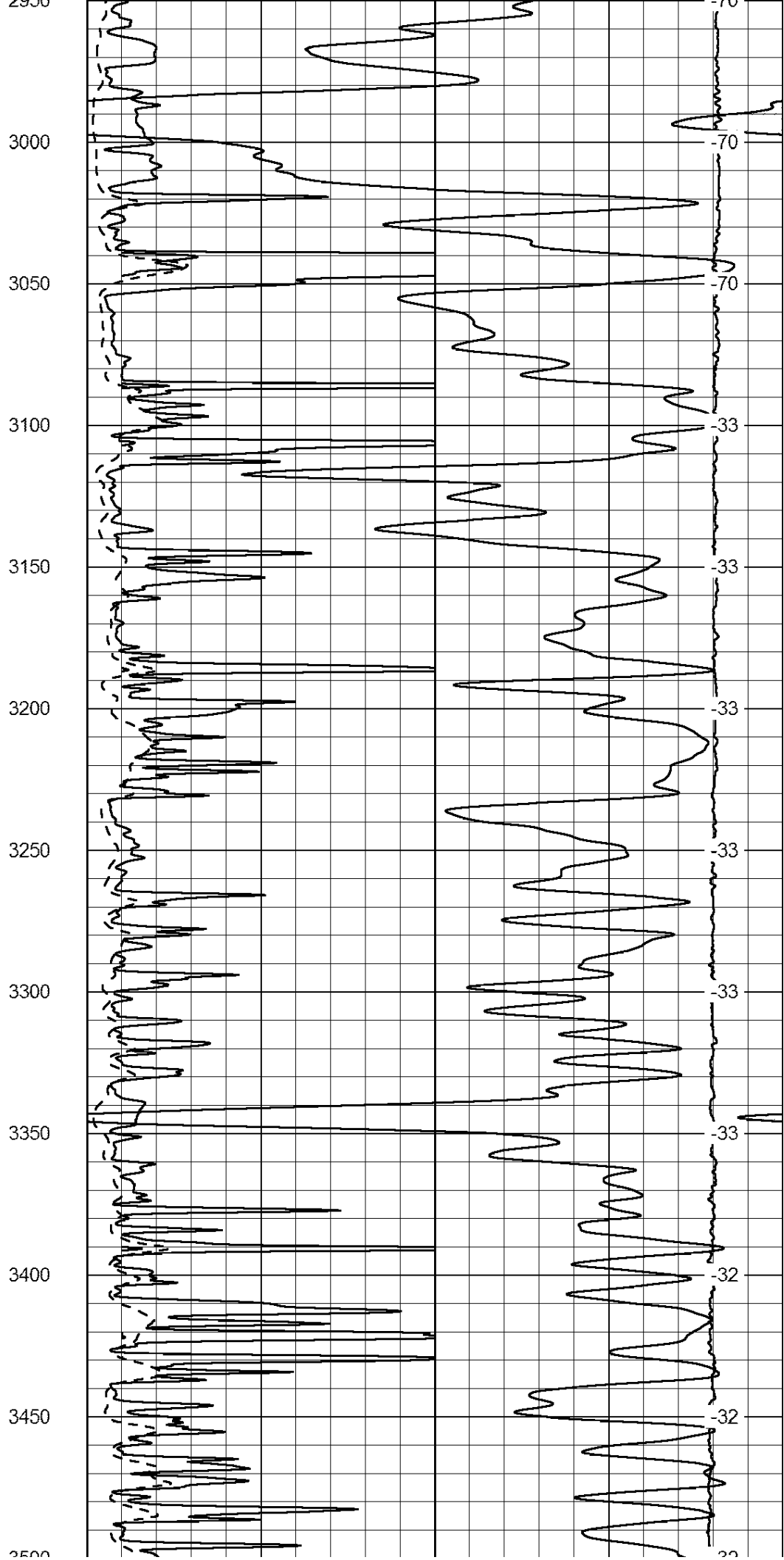
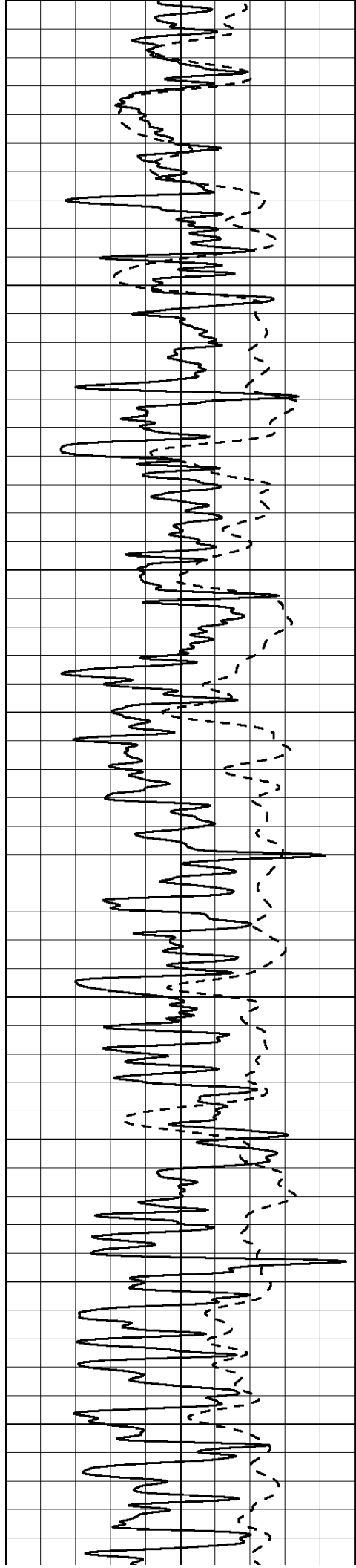


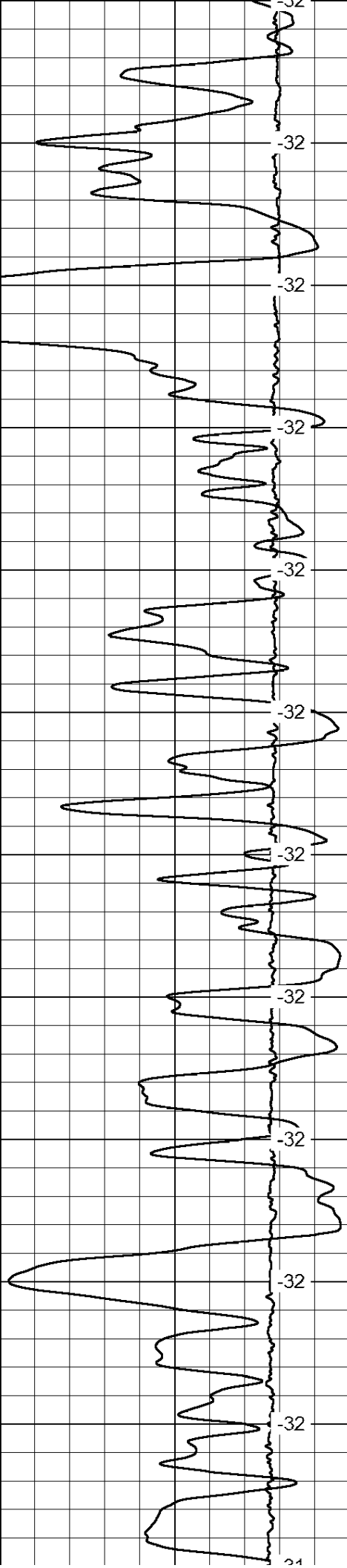
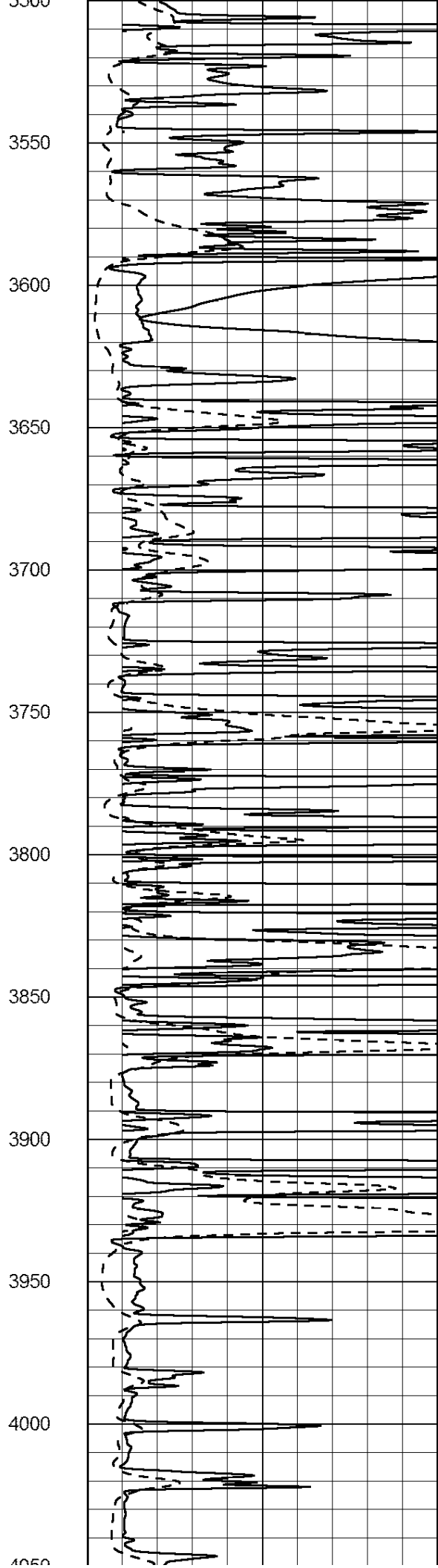
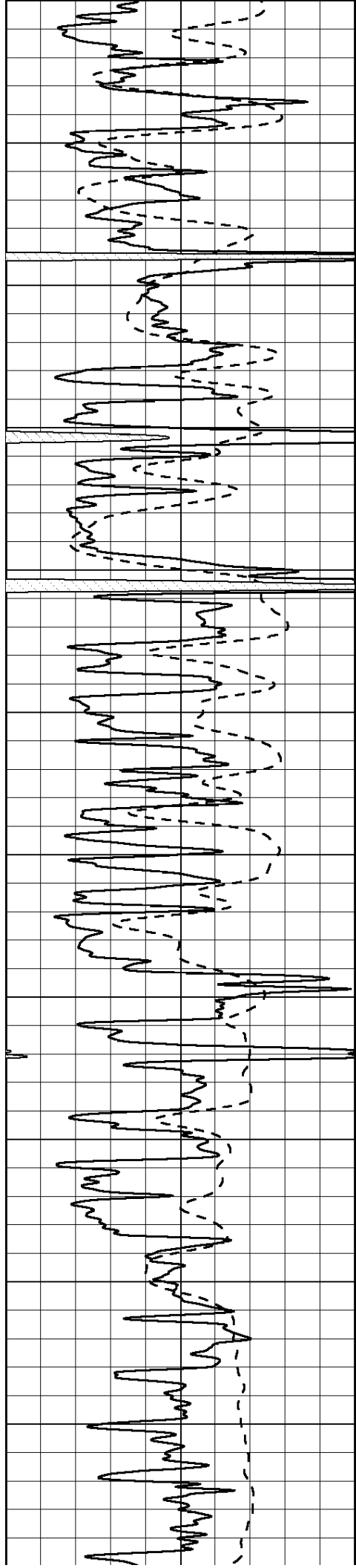


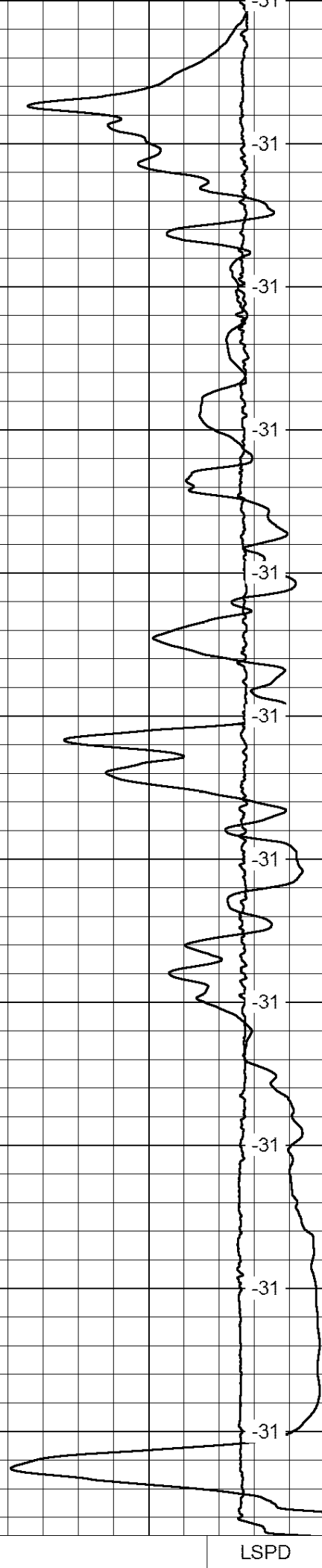
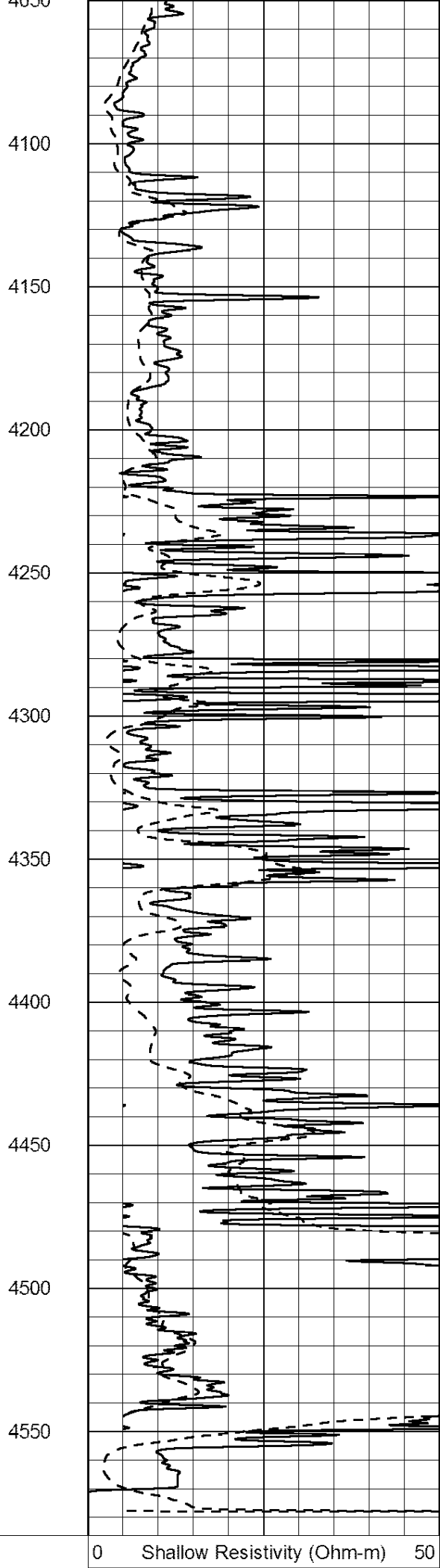
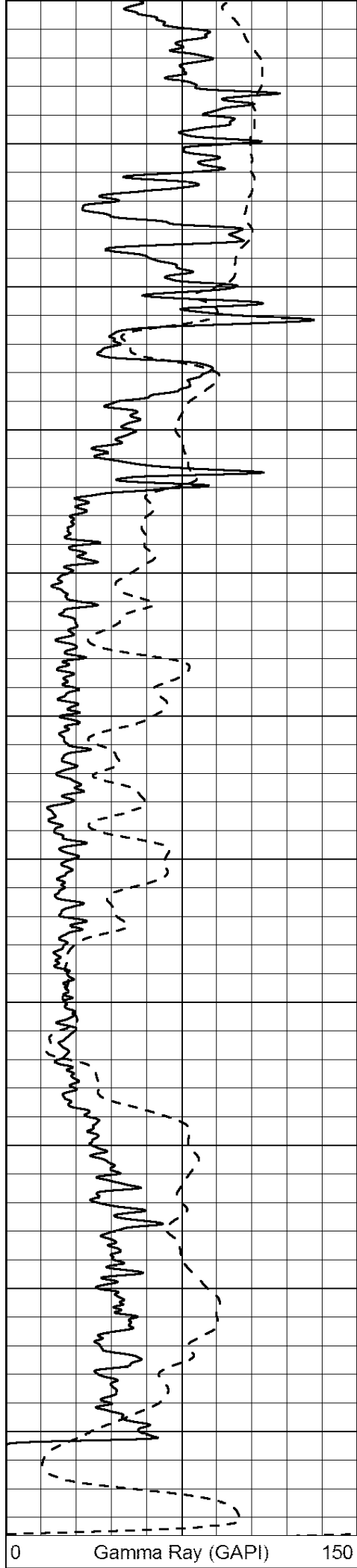




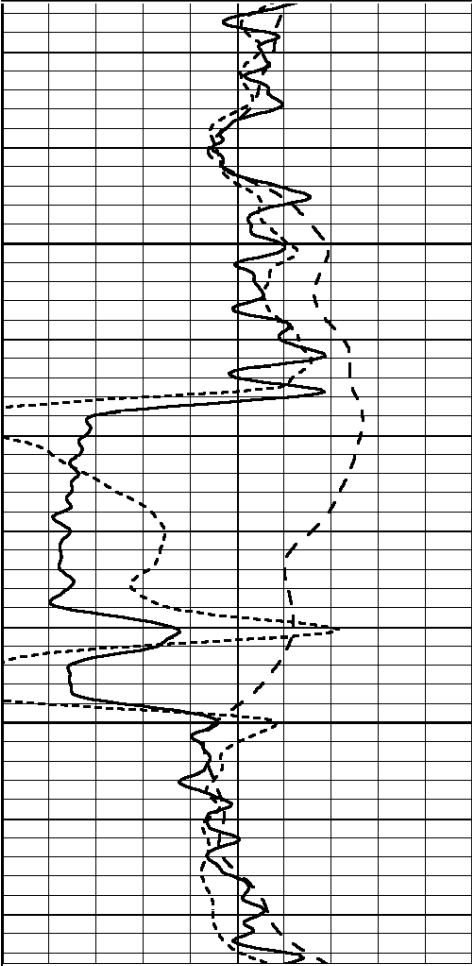








-200	SP (mV)	0
0	Deep Resistivity (Ohm-m)	50
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
Shallow Resistivity		
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

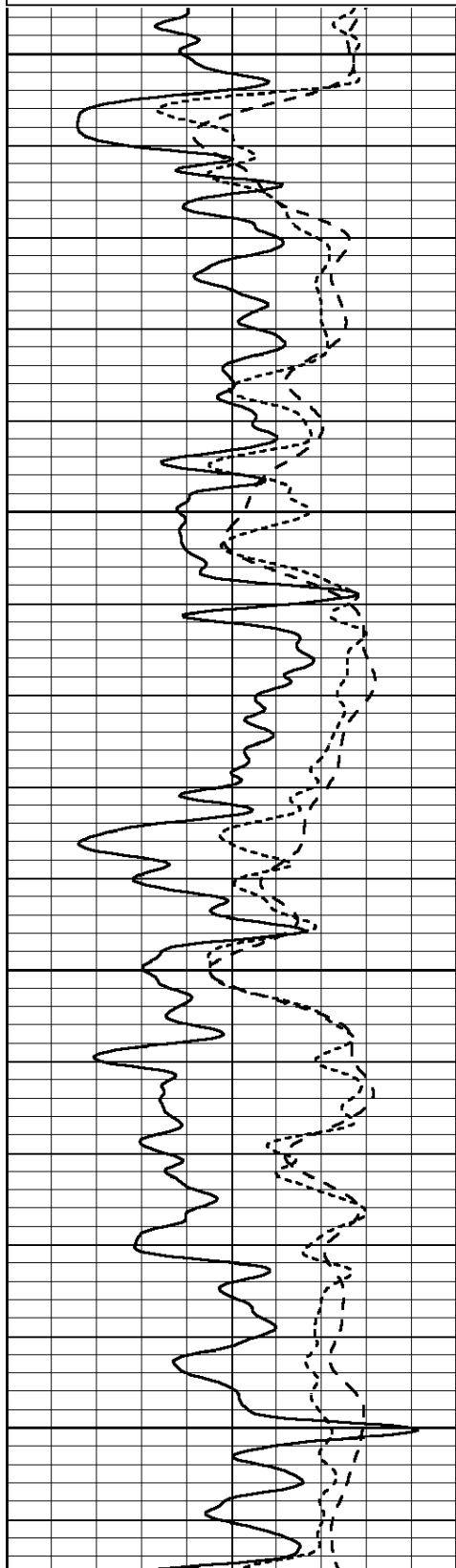
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Dataset Pathname: Stack/pass3.2		
Presentation Format: dil		
Dataset Creation: Sat Jan 08 11:00:05 2011 by Calc Open-Cased 090629		
Charted by: Depth in Feet scaled 1:240		
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)
		
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)

Database File: c:\warrior\data\old folder\maralex.db
Dataset Pathname: Stack/pass3.1
Presentation Format: dil
Dataset Creation: Sat Jan 08 10:43:27 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)

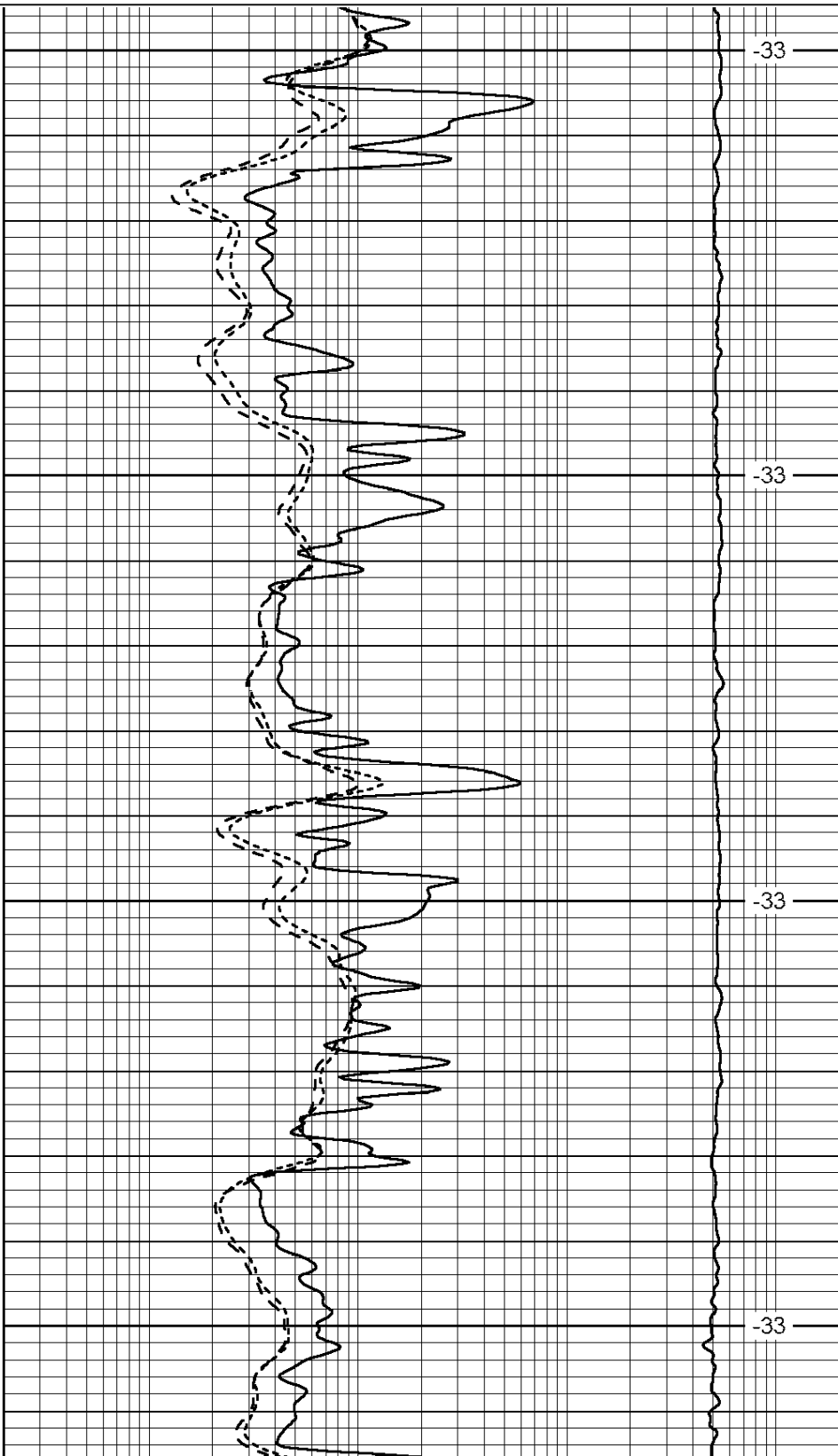


3100

3150

3200

3250

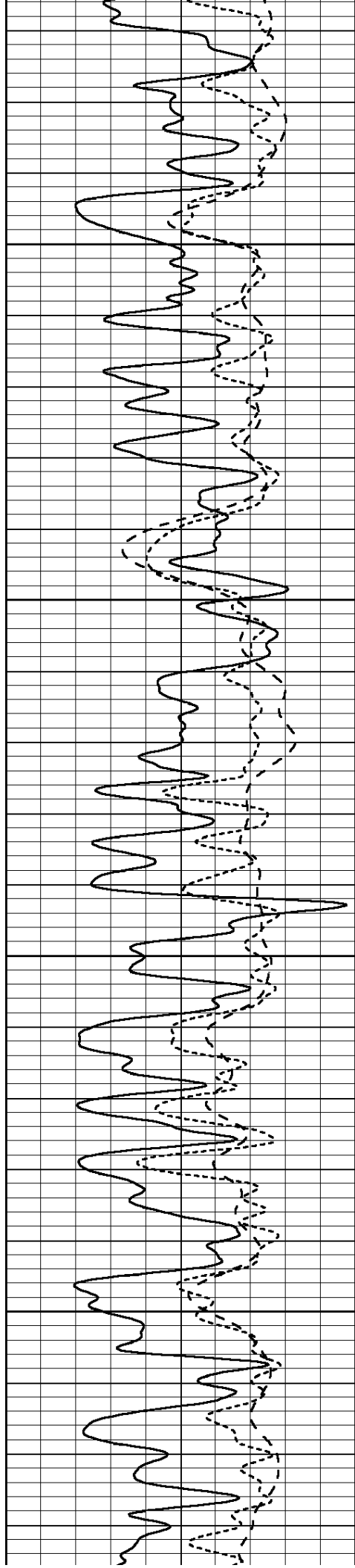


-33

-33

-33

-33

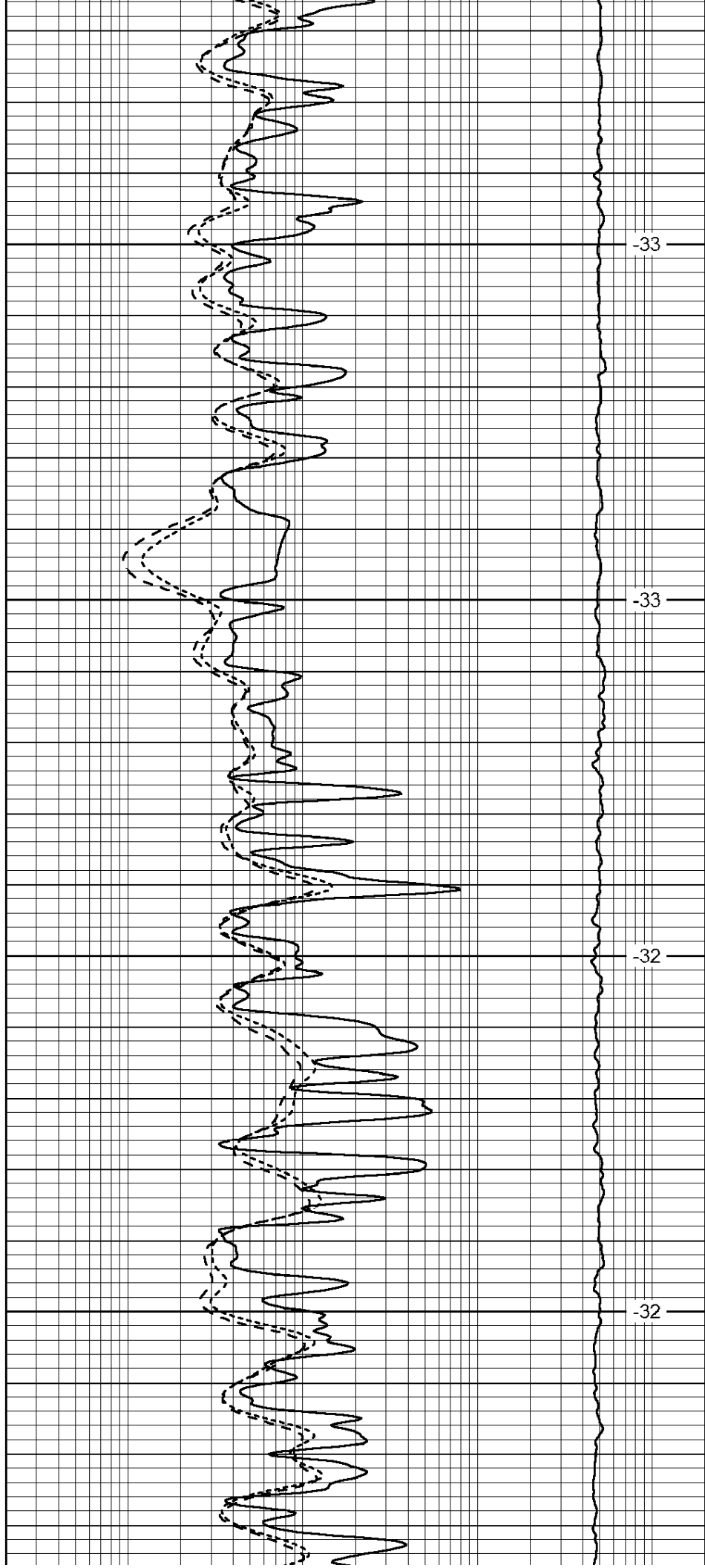


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3350

3400

3450

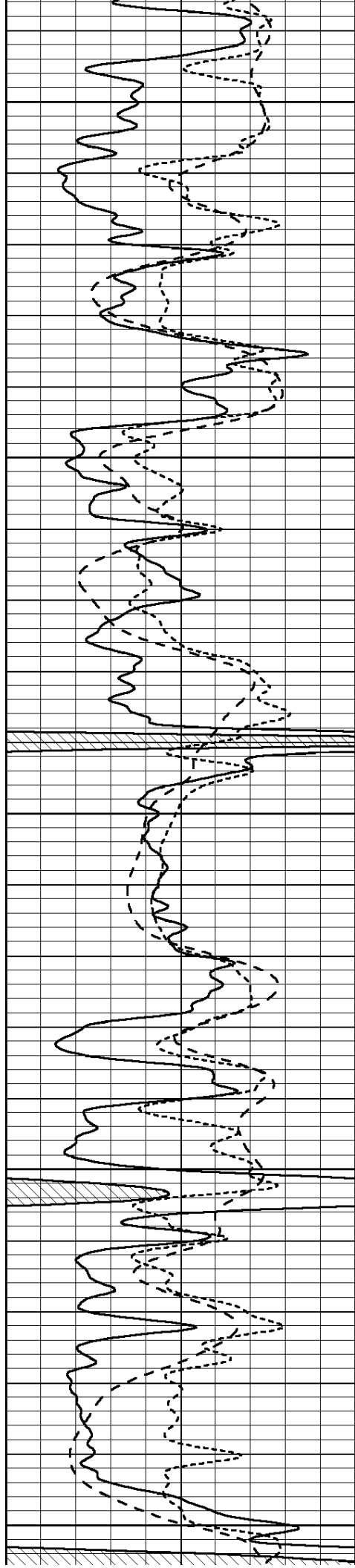


-33

-33

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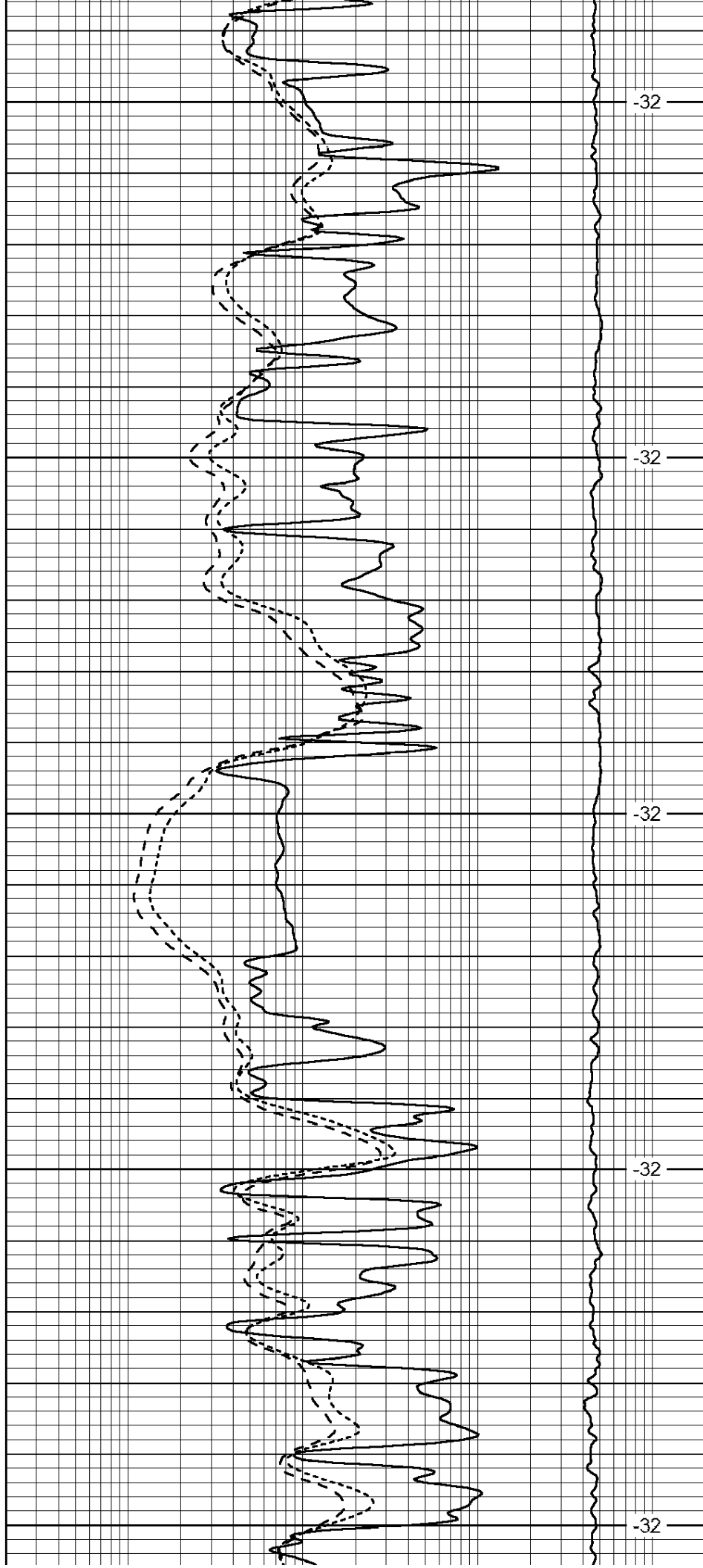
3500

3550

3600

3650

3700



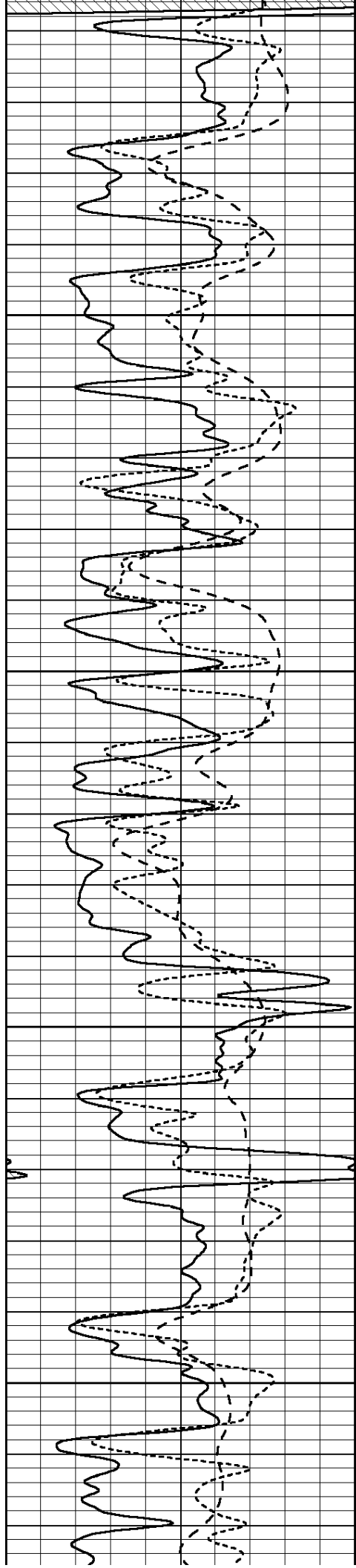
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-32

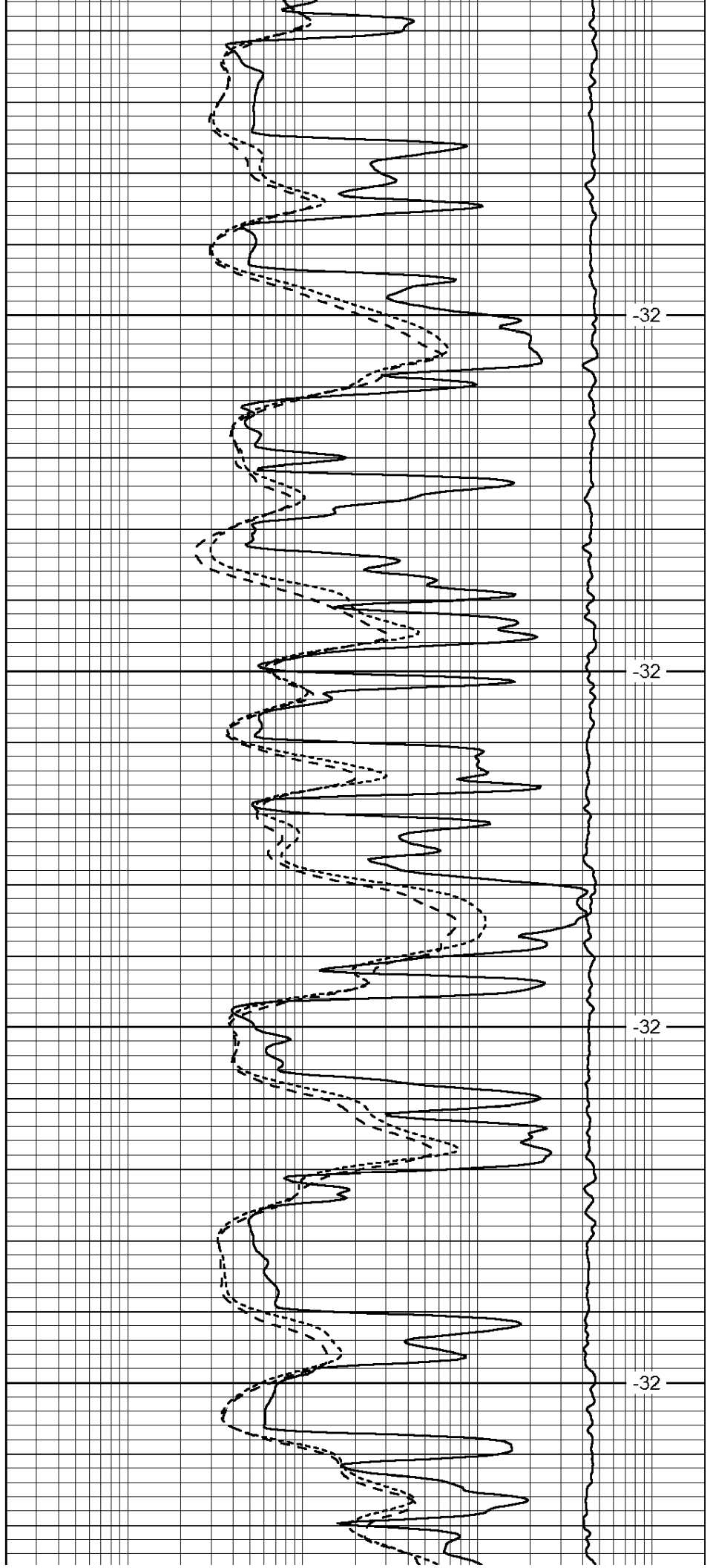


3750

3800

3850

3900

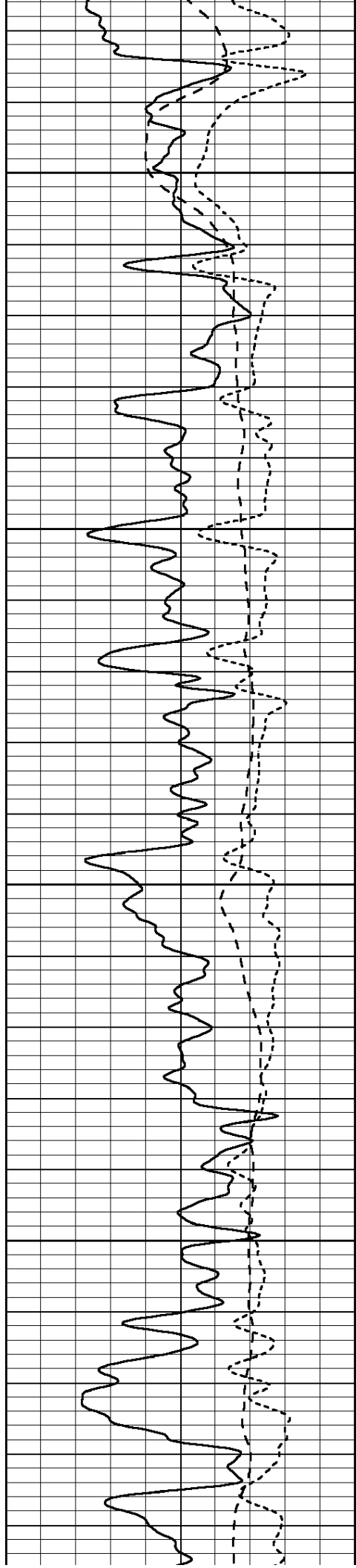


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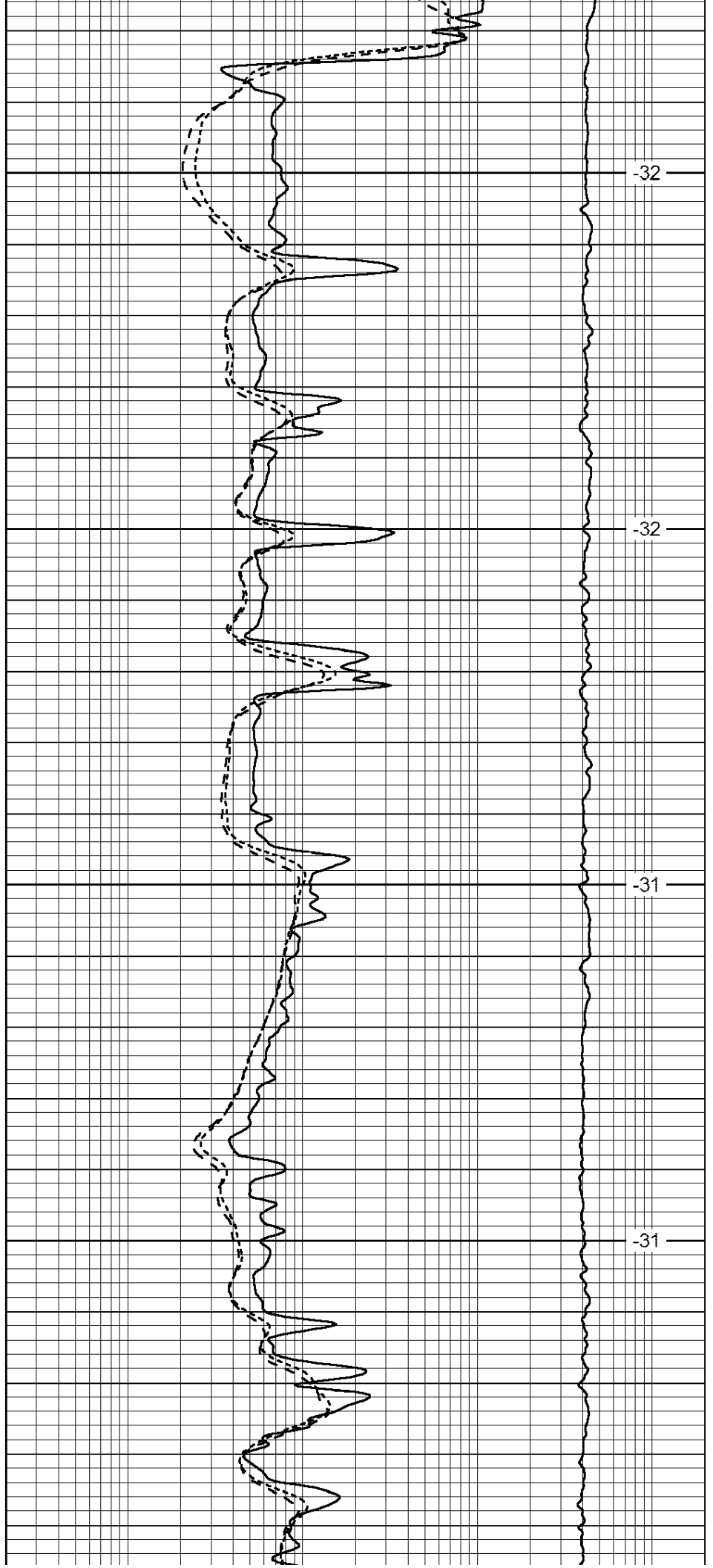


3950

4000

4050

4100

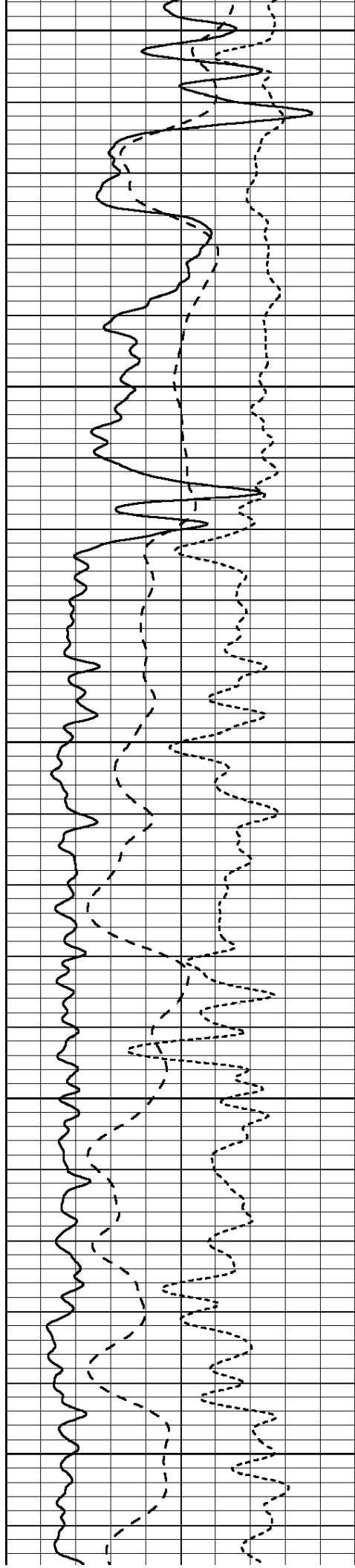


-32

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-31

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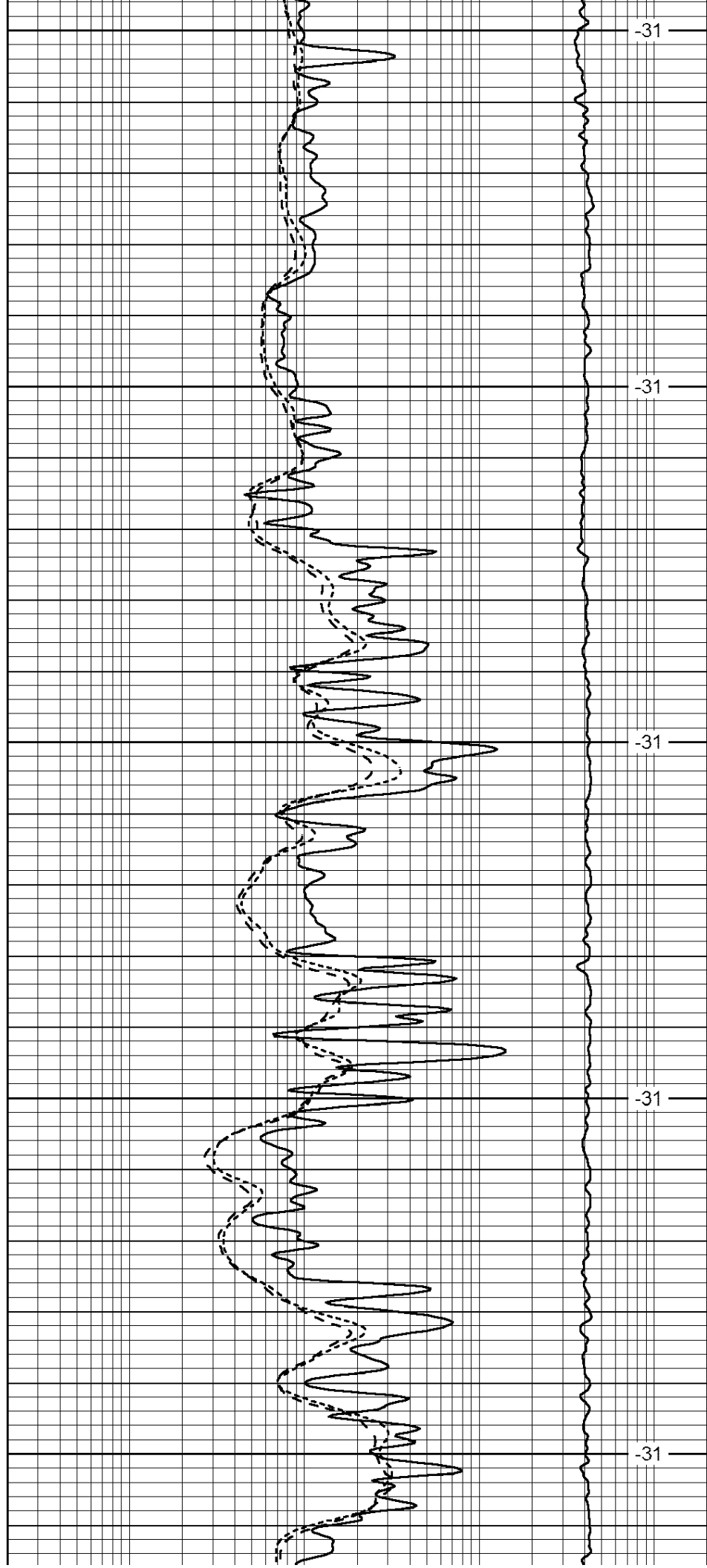
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4200

4250

4300

4350



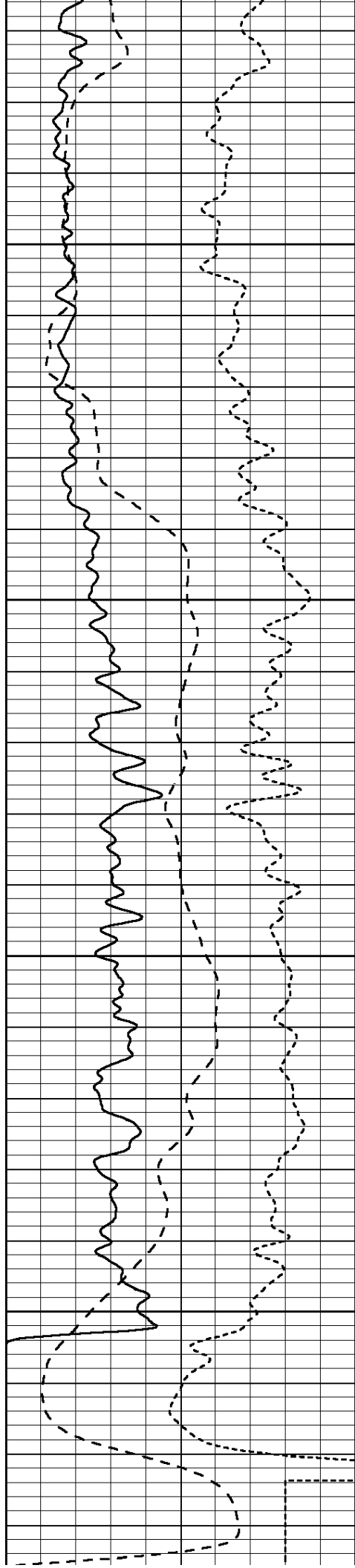
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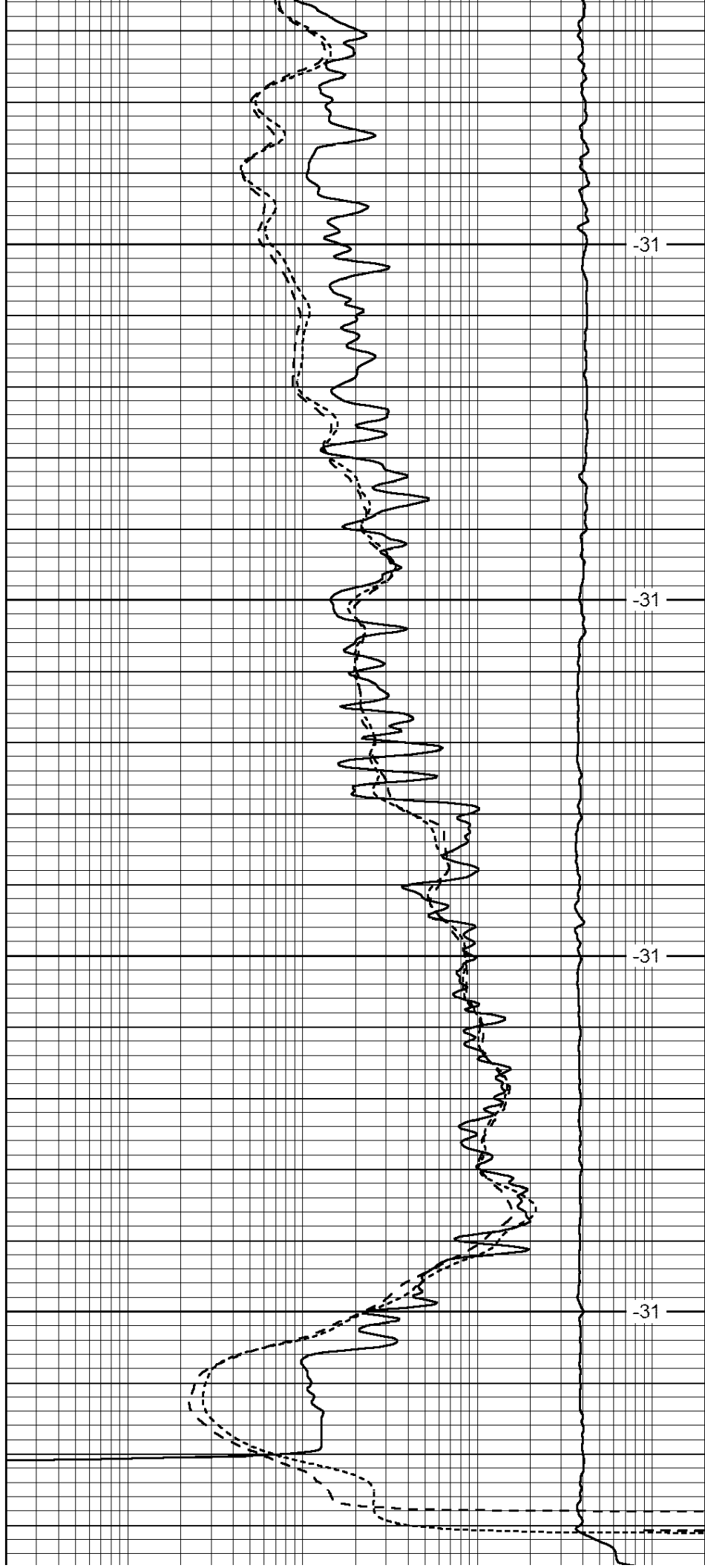


4400

4450

4500

4550



-31

-31

-31

-31

0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)

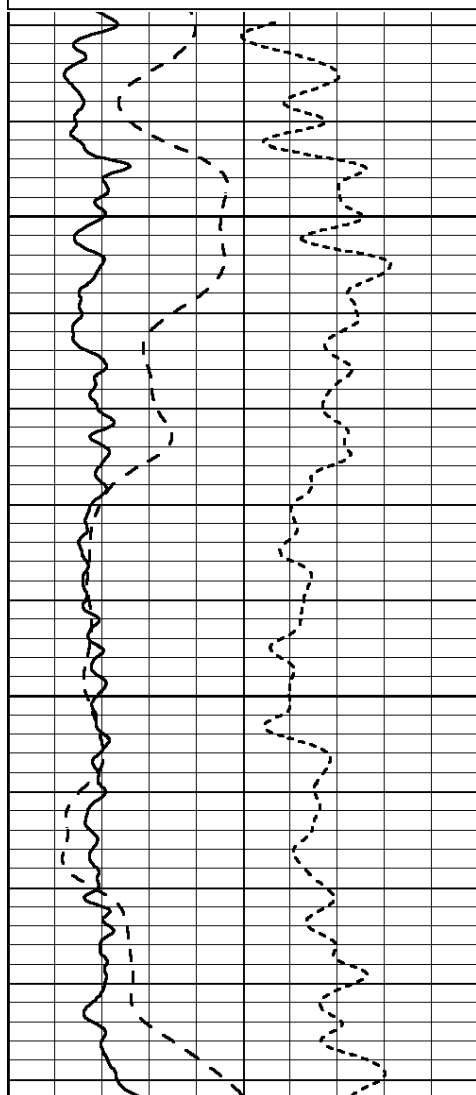
LOG-TECH

Repeat Section

Database File: c:\warrior\data\old folder\maralex.db
Dataset Pathname: Stack/pass2.1
Presentation Format: dil
Dataset Creation: Sat Jan 08 10:45:33 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

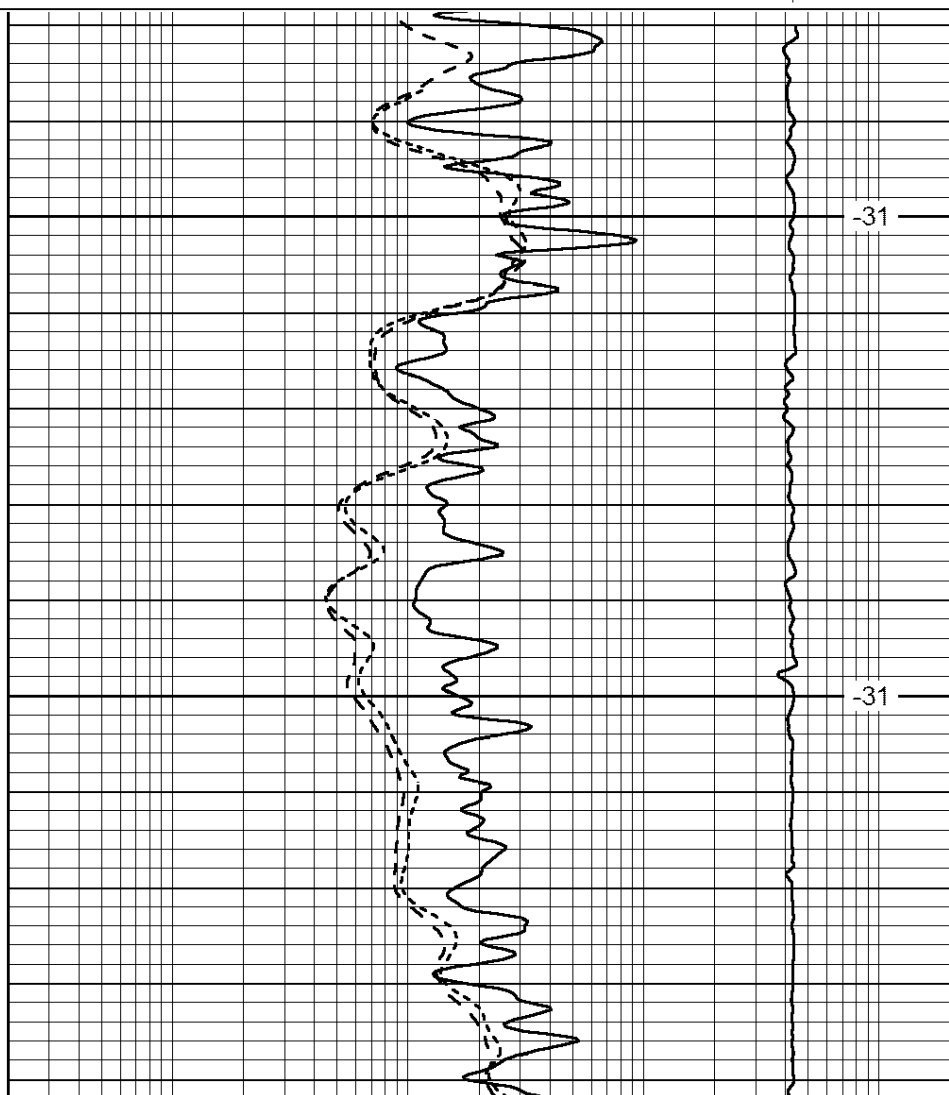
0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0
		LSPD (ft/min)



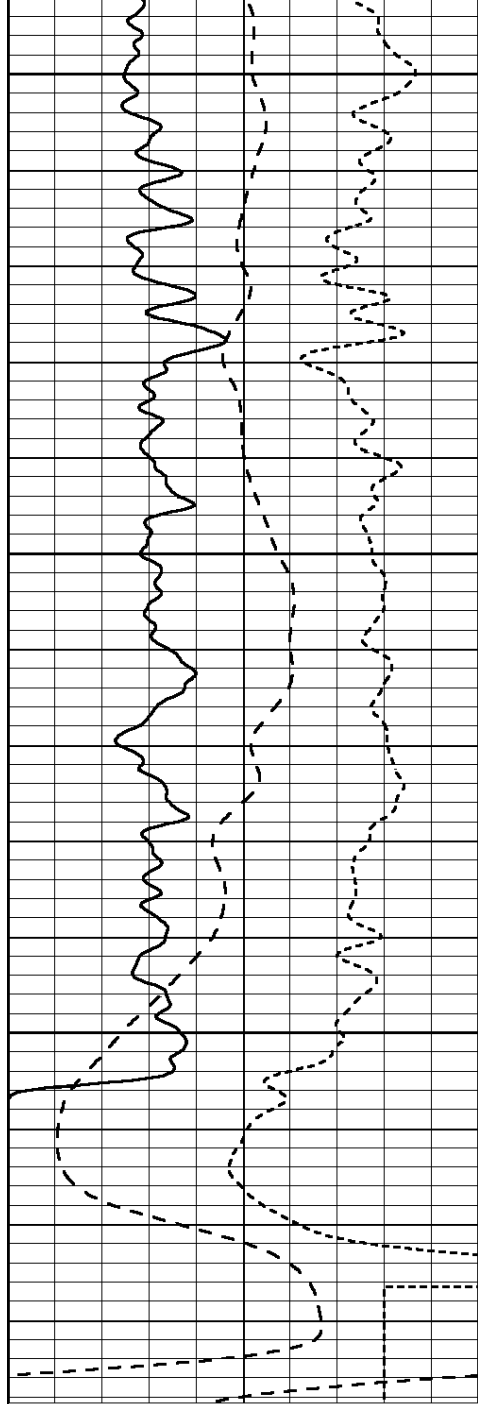
4350

4400



-31

-31

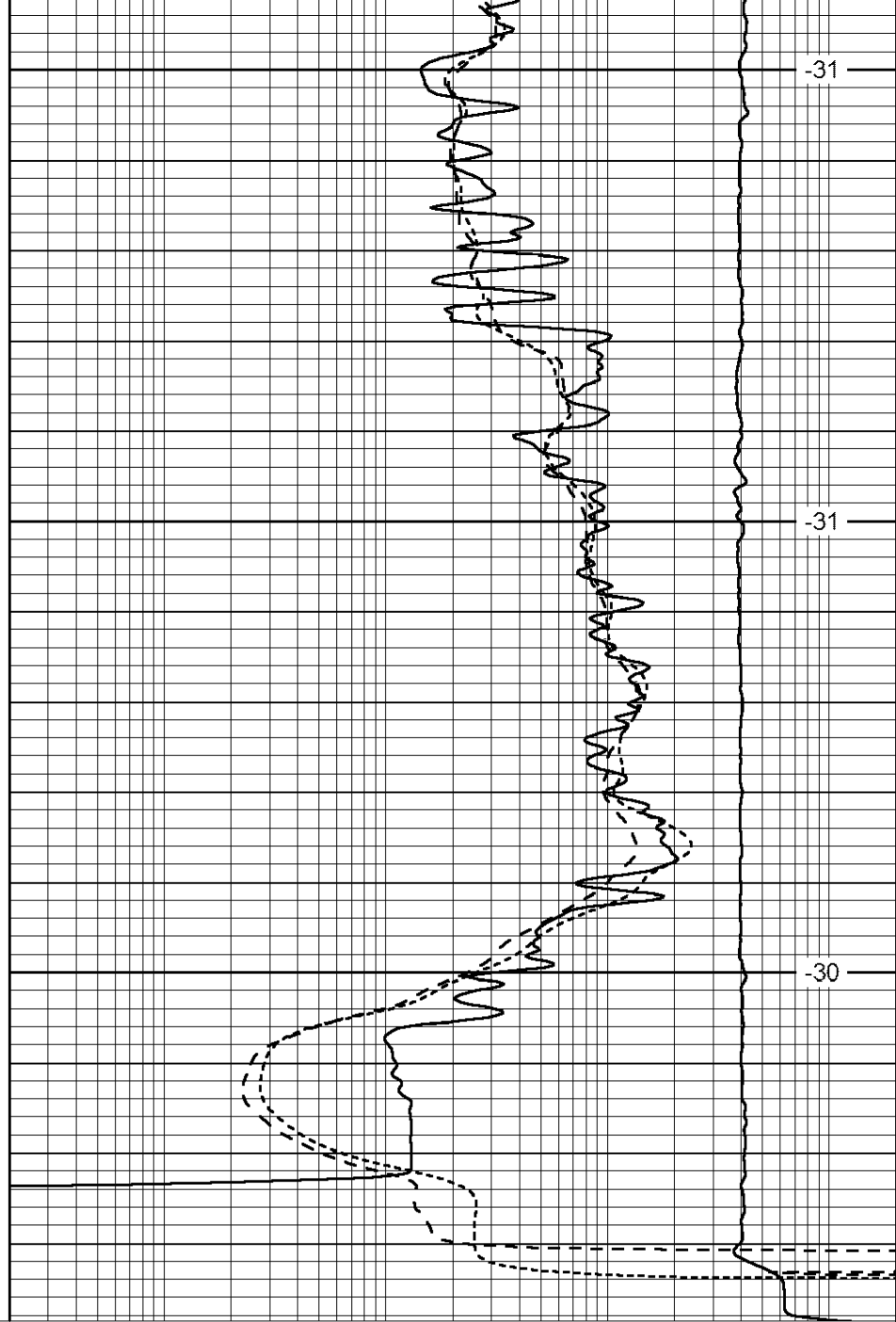


0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

4450

4500

4550



0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)

Calibration Report

Database File: C:\Warrior\Data\Old Folder\maralex.db
 Dataset Pathname: Stack/pass3.2
 Dataset Creation: Sat Jan 08 11:00:05 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PSI 75-M&W
 Surface Cal Performed:

Readings

References

Results

Readings			References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	166.796	835.089	0.000	255.800	mmho/m	0.510	-41.500
Medium	142.009	1348.560	0.000	255.800	mmho/m	0.345	-39.000

Compensated Density Calibration Report						
Serial-Model:			94-782-M&W			
Source / Verifier:			/			
Master Calibration Performed:			Mon Dec 20 20:52:01 2010			
Before Survey Verification Performed:						
After Survey Verification Performed:						
Master Calibration						
	Density		Far Detector		Near Detector	
Magnesium	1.755	g/cc	6514.56	8597.89	cps	
Aluminum	2.670	g/cc	1186.83	5438.93	cps	
Spine Angle = 74.95			Density/Spine Ratio = 0.519			
	Size		Reading			
Small Ring	4.00	in	1.83			
Large Ring	15.00	in	1.46			
Before Survey Verification						
	Target		Measured			
	g/cc				g/cc	
	g/cc				g/cc	
	g/cc				g/cc	
After Survey Verification						
	Target		Measured			
	g/cc				g/cc	
	g/cc				g/cc	
	g/cc				g/cc	

Compensated Neutron Calibration Report						
			Serial Number:		119-MW	
			Tool Model:		M&W	
CALIBRATION						
Detector		Readings		Target		Normalization
Short Space		6240.00	cps	1000.00	cps	1.6025
Long Space		460.00	cps	1000.00	cps	1.9500
PRE-SURVEY VERIFICATION						
Detector		Readings		Measured		Target
1)	Short Space	cps				
	Long Space	cps		pu	pu	
2)	Short Space	cps				
	Long Space	cps		pu		
3)	Short Space	cps				
	Long Space	cps		pu		

POST-SURVEY VERIFICATION				
	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu
Gamma Ray Calibration Report				
Serial Number:		233-M&W		
Tool Model:		M&W		
Performed:		Wed Jul 04 16:45:08 2007		
Calibrator Value:		100.0	GAPI	
Background Reading:		65.0	cps	
Calibrator Reading:		207.0	cps	
Sensitivity:		0.5500	GAPI/cps	