

PIONEER
Pioneer Energy Services

**MICRORESISTIVITY
LOG**

Company LEBSACK OIL PRODUCTION, INC.	
Well	GARDEN CITY NO. 8-12
Field	WEST DAMME EXT.
County	FINNEY
State	KANSAS

Company LEBSACK OIL PRODUCTION, INC.	
Well GARDEN CITY NO. 8-12	
Field WEST DAMME EXT.	
County FINNEY	State KANSAS

Location: API # : 15-055-22,425-00-00 S2 NE NE SE 2,200' FSL & 330' FEL	Other Services CNL/CDL DIL
Permanent Datum GROUND LEVEL Elevation 2907' Log Measured From KELLY BUSHING Drilling Measured From KELLY BUSHING	Elevation K.B. 2920' D.F. N/A G.L. 2907'

Date	9/17/2015
Run Number	ONE
Depth Driller	4860'
Depth Logger	4859'
Bottom Logged Interval	4858'
Top Log Interval	3600'
Casing Driller	8.625" @ 436'
Casing Logger	436'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	1400
Density / Viscosity	9.3 50
pH / Fluid Loss	11.0 9.6
Source of Sample	Flowline
Rm @ Meas. Temp	.85 @ 75
Rmt @ Meas. Temp	.64 @ 75
Rmc @ Meas. Temp	1.15 @ 75
Source of Rmt / Rmc	Charts
Rm @ BHT	.51 @ 125
Operating Rig Time	3 HOURS
Max Rec. Temp. F	125
Equipment Number	108
Location	Hays
Recorded By	J. LONG
Witnessed By	JOSH AUSTIN

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments
 N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

 SCOTT CITY, SOUTH TO TENNIS ROAD, 6 WEST, 1/2 SOUTH, WEST INTO

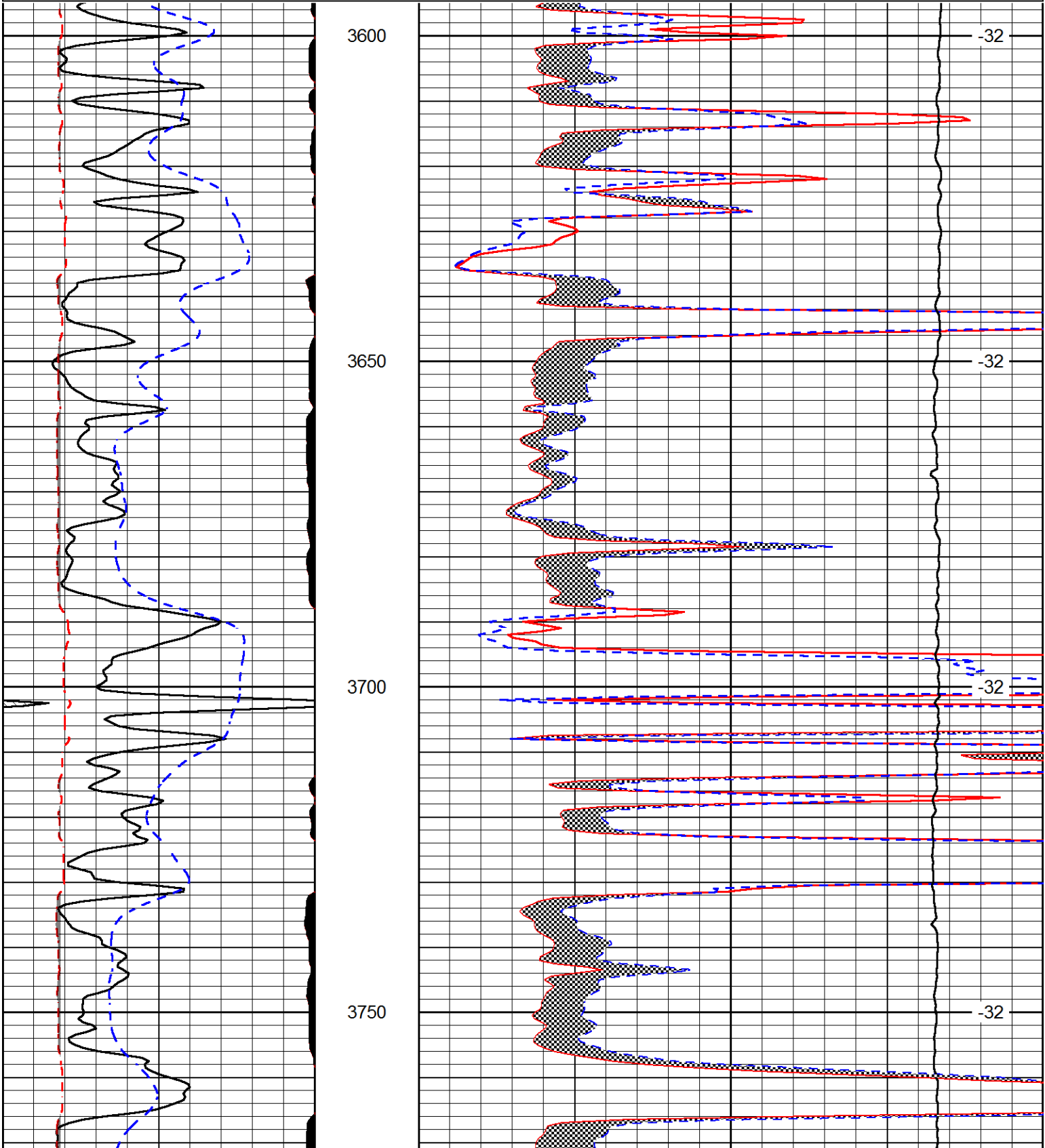
Log Measured From: KELLY BUSHING 13 Ft. Above Permanent Datum

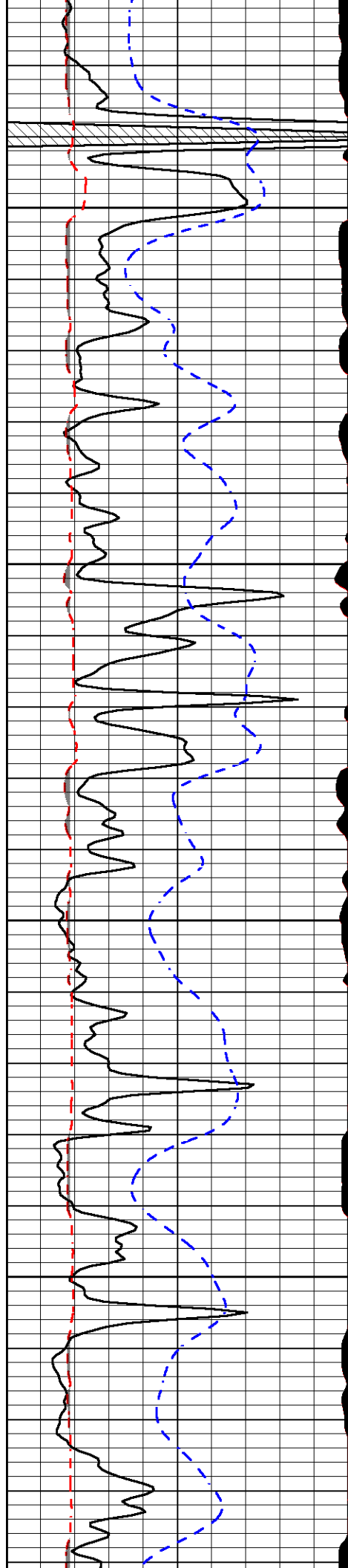
 THANK YOU FOR USING PIONEER ENERGY SERVICES
 www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew Engineer: J. LONG Operator: Operator: Operator:	This Log Record Was Witnessed By Primary Witness: JOSH AUSTIN Secondary Witness: Secondary Witness: Secondary Witness:
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Database File	lebsack_gardencity_8-12hd.db
Dataset Pathname	DIL/lebstck
Presentation Format	micro
Dataset Creation	Thu Sep 17 10:30:13 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0	Micro Inverese 1 X 1 (Ohm-m)	40
6	MCAL (in)	16	0	Micro Normal 2" (Ohm-m)	40
2.875	Mud Cake (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			LSPD (ft/min)



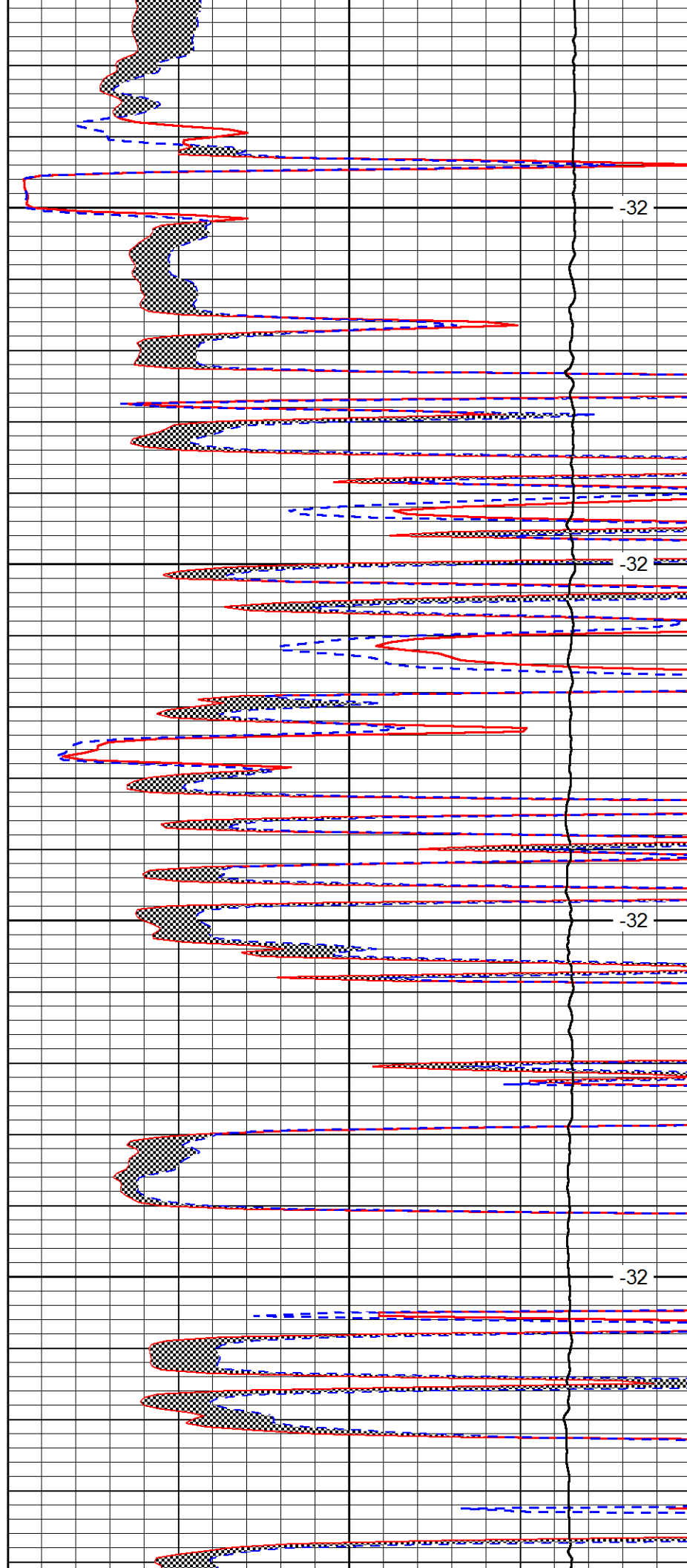


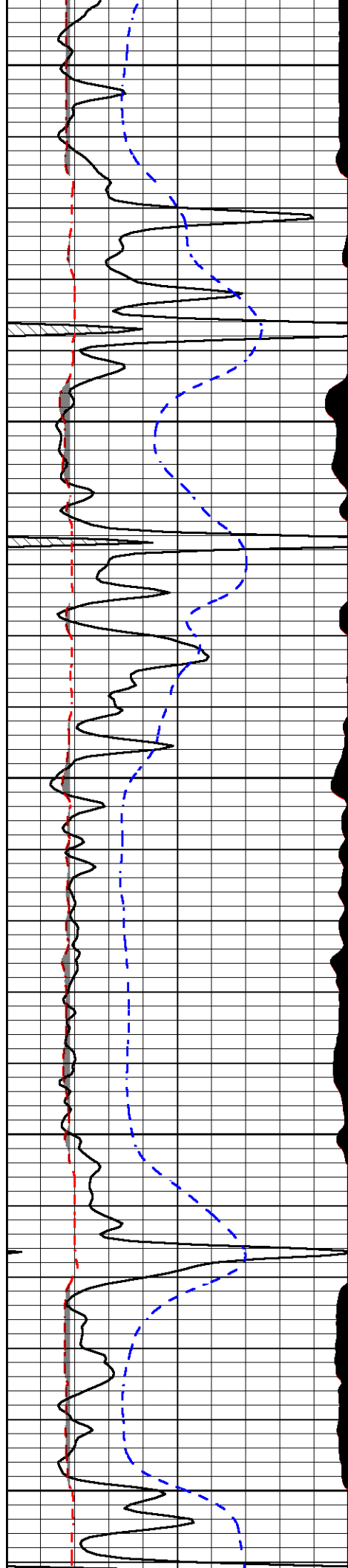
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3850

3900

3950





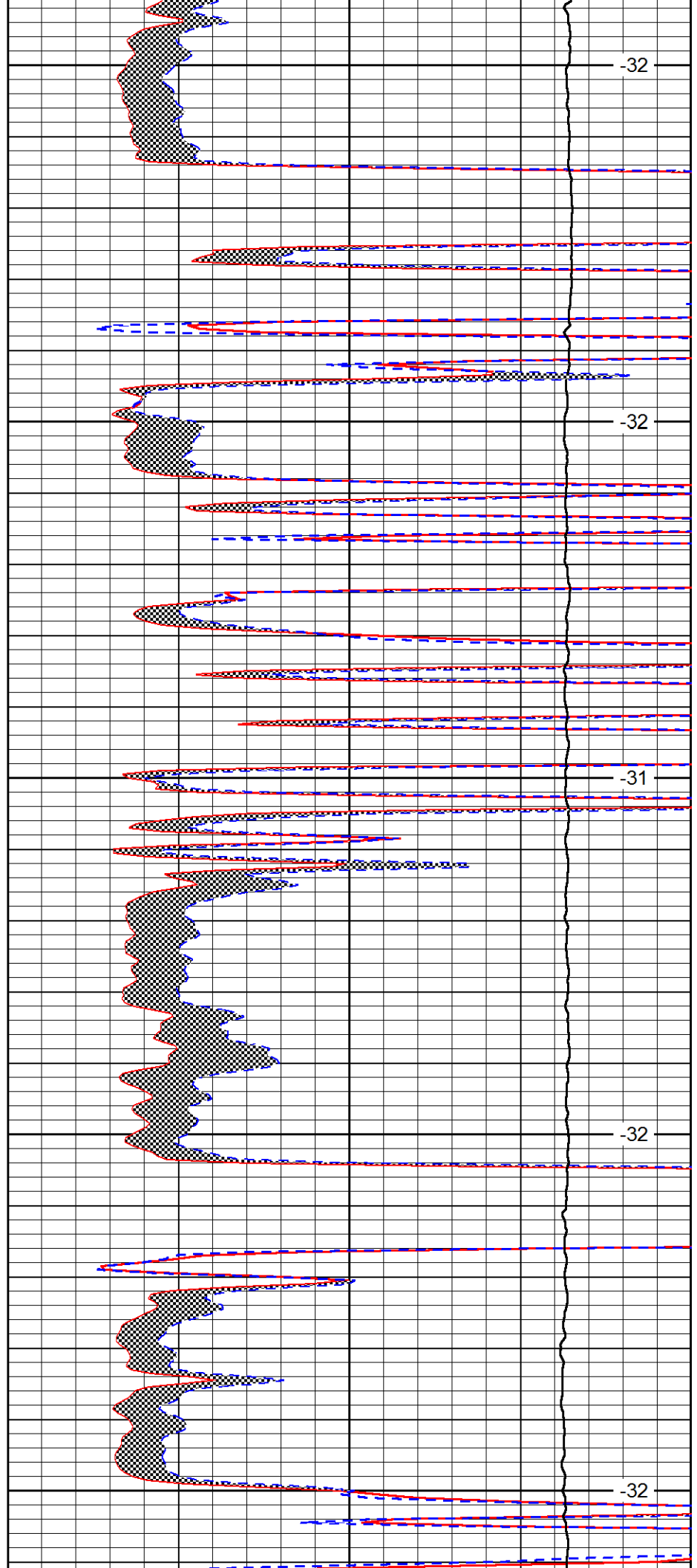
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4050

4100

4150

4200



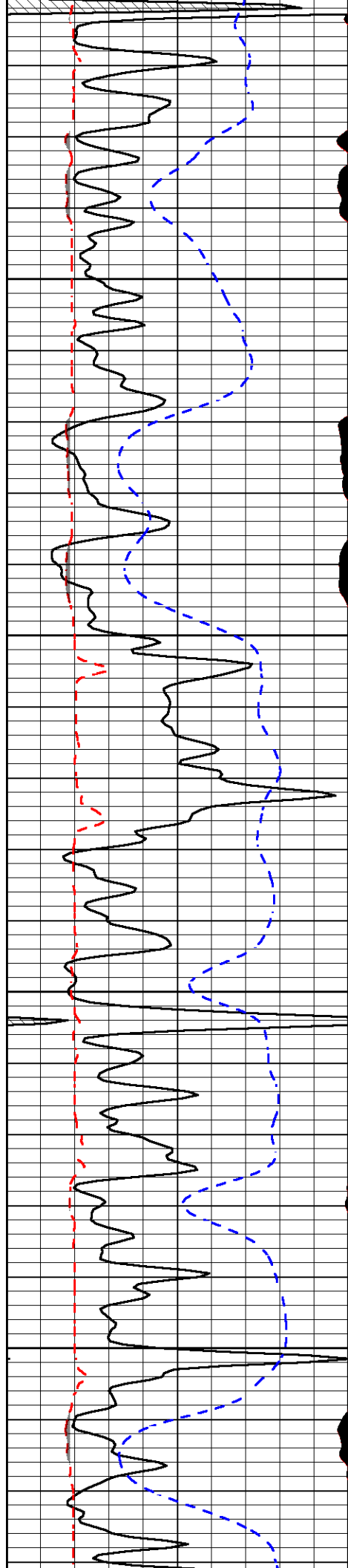
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-32

-31

-32

-32

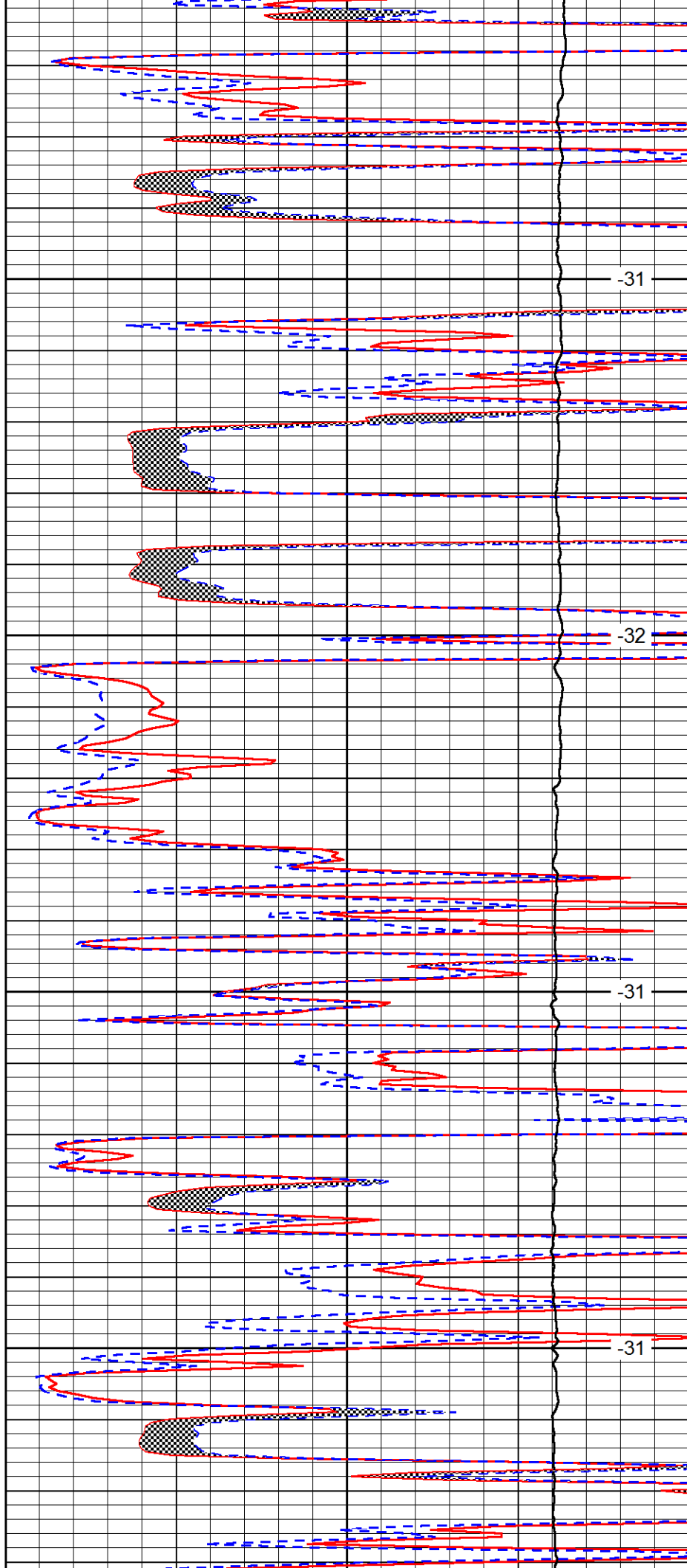


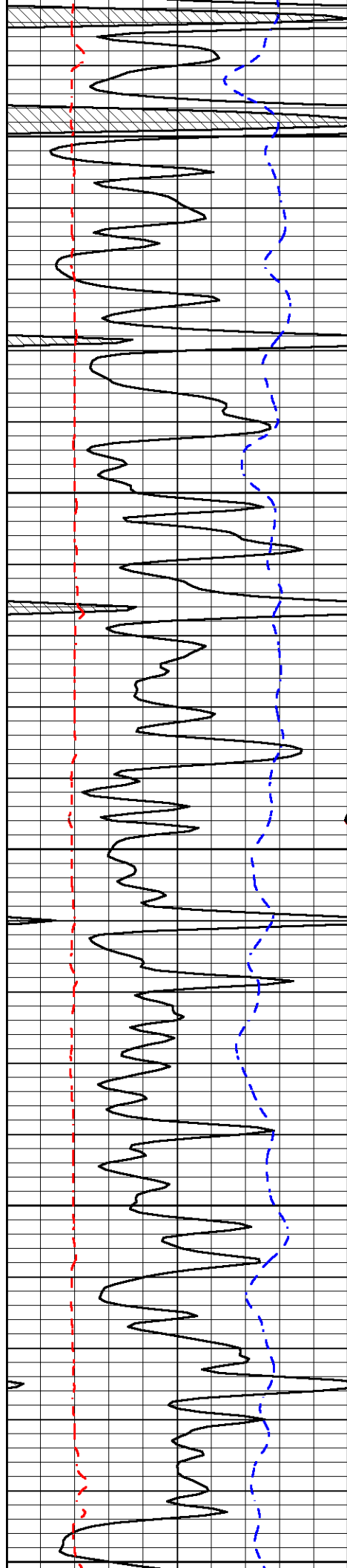
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4400





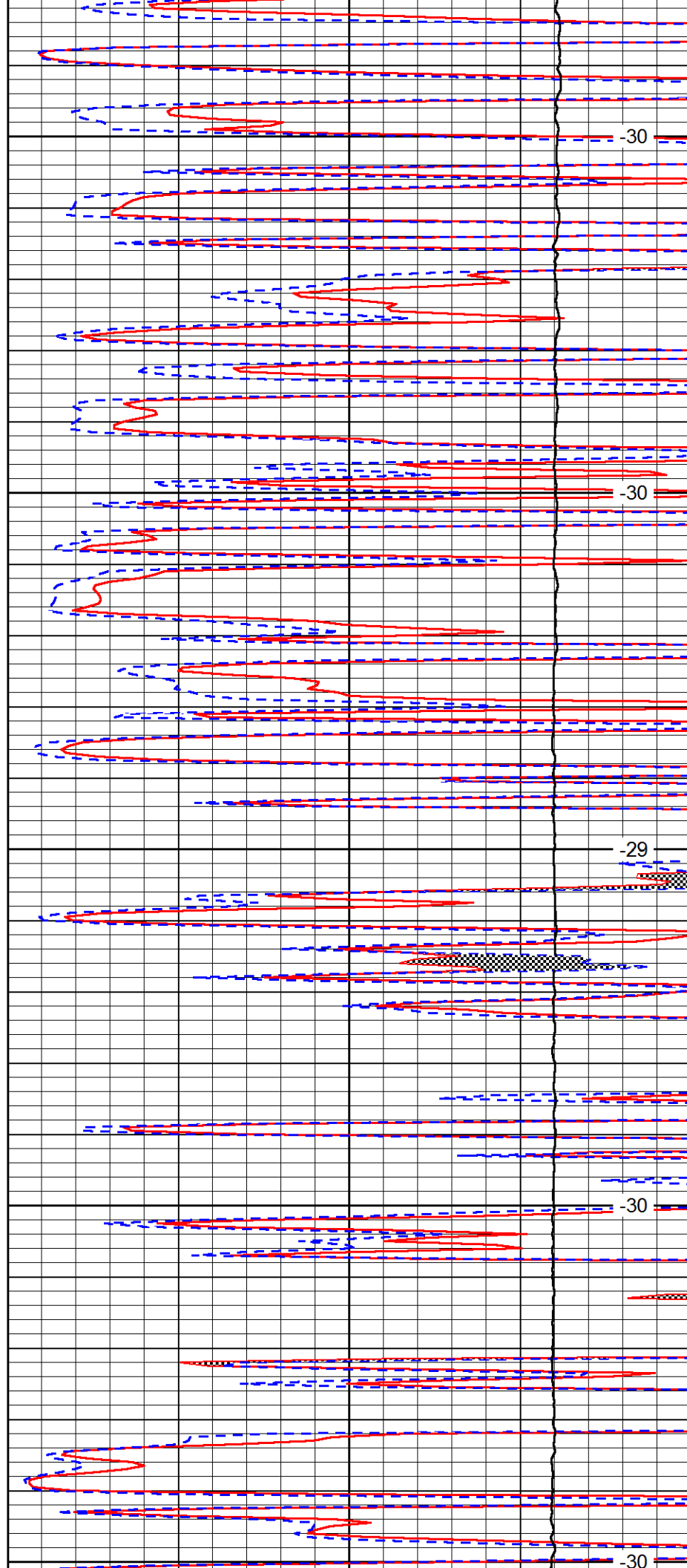
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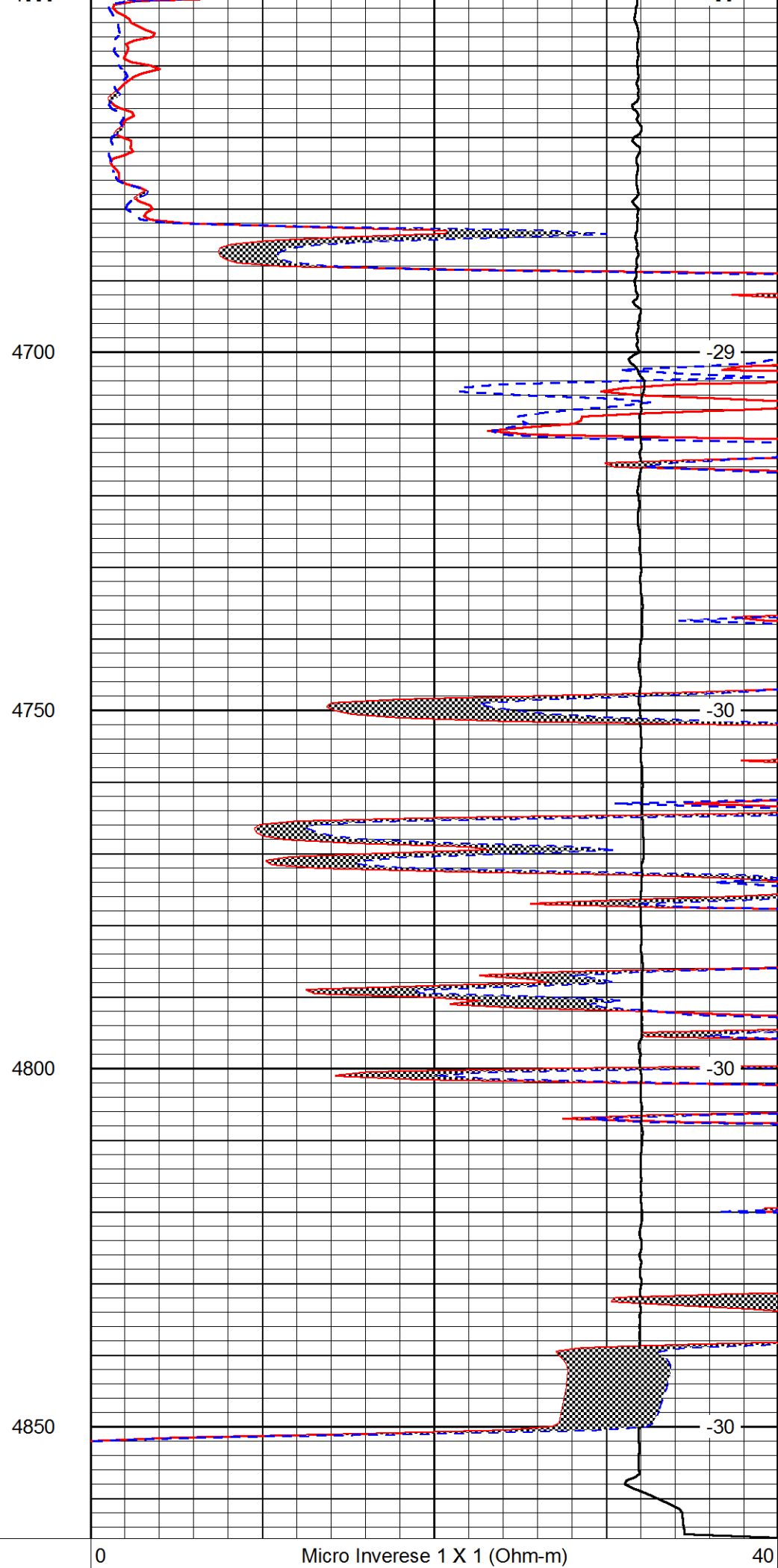
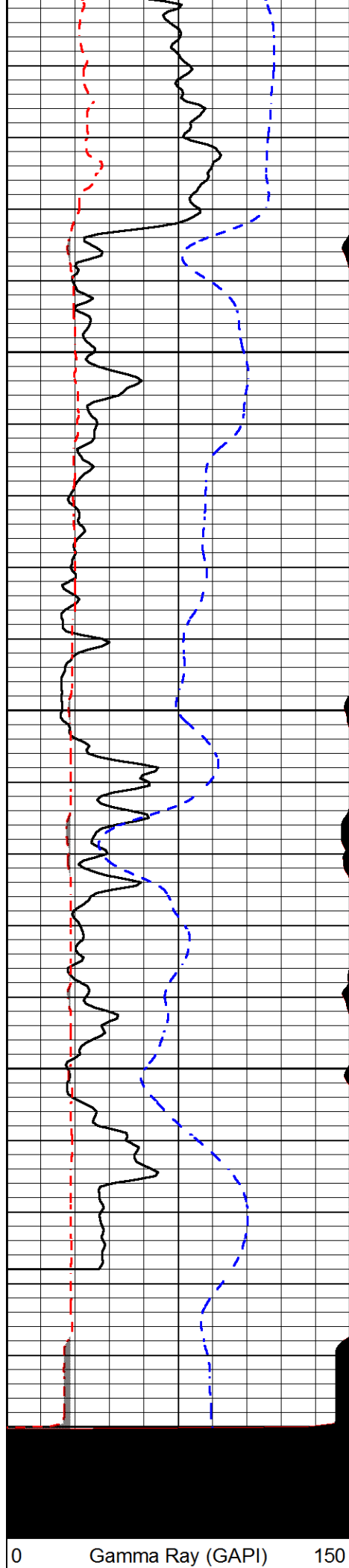
4500

4550

4600

4650





6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0
		LSPD (ft/min)