



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	15-051-26,172-00-00		
Company	TDL, Inc.		
Well	Willard No. 1		
Field	Schoenchen		
County	Ellis	State	Kansas
Location	480' FNL & 2190 FEL		
Sec: 22	Twp: 15 S	Rge: 18 W	
Permanent Datum	Ground Level	Elevation 2028	Other Services CNL/CDL DIL
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Frotkelly Bushing		K.B. 2038 D.F. 2028 G.L. 2028

Date	9/4/2011	
Run Number	Two	
Depth Driller	3745	
Depth Logger	3744	
Bottom Logged Interval	3743	
Top Log Interval	2900	
Casing Driller	8.625 @ 224	
Casing Logger	225	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	2900	
Density / Viscosity	9.1	58
pH / Fluid Loss	10.5	6.8
Source of Sample	Flowline	
Rm @ Meas. Temp	.75 @	80
Rmf @ Meas. Temp	.56 @	80
Rmc @ Meas. Temp	1.01 @	80
Source of Rmf / Rmc	Charts	
Rm @ BHT	.53 @	113
Operating Rig Time	4 1/2 Hours	
Max Rec. Temp. F	113	
Equipment Number	17	
Location	Hays	
Recorded By	D.Kerr	
Witnessed By	Tom Denning	

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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

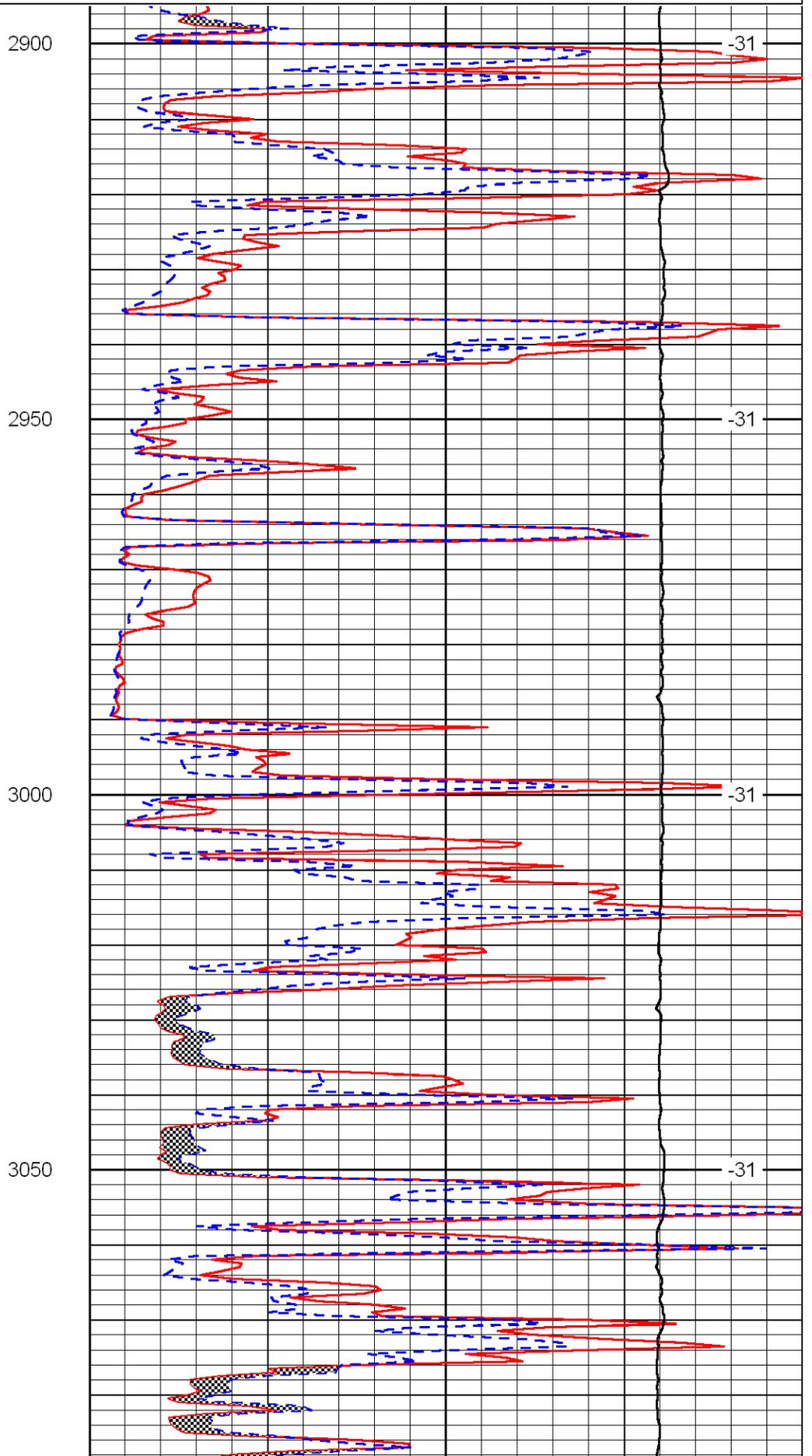
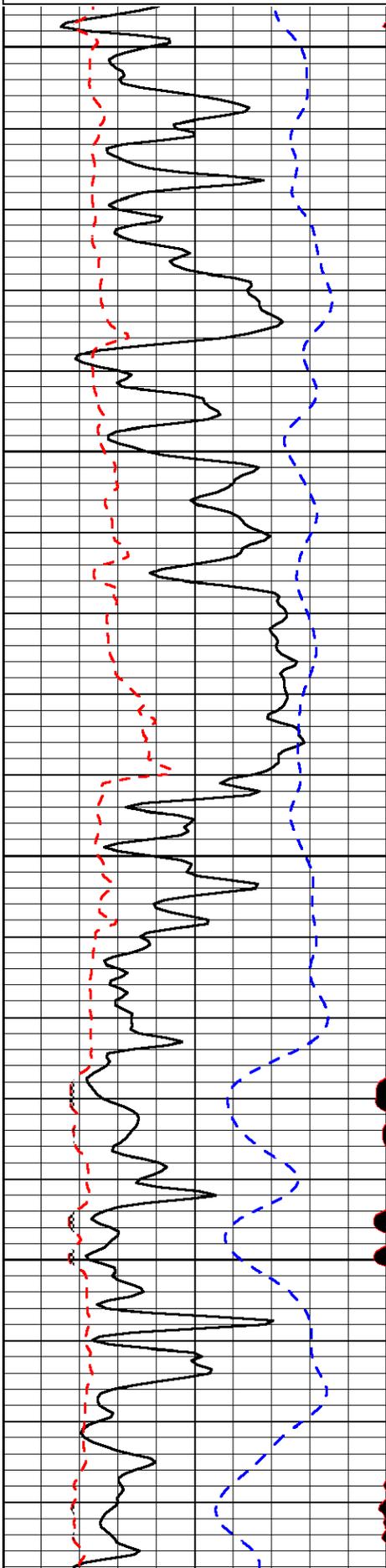
Thank you for using Log-Tech, Inc.
(785) 625-3858

Hays KS, South to Hays Mack,
1/2 East, South Into

Database File: tdi_willard_1hd.db
 Dataset Pathname: dil/tdistk
 Presentation Format: micro
 Dataset Creation: Sun Sep 04 23:54:45 2011
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD



2900

-31

2950

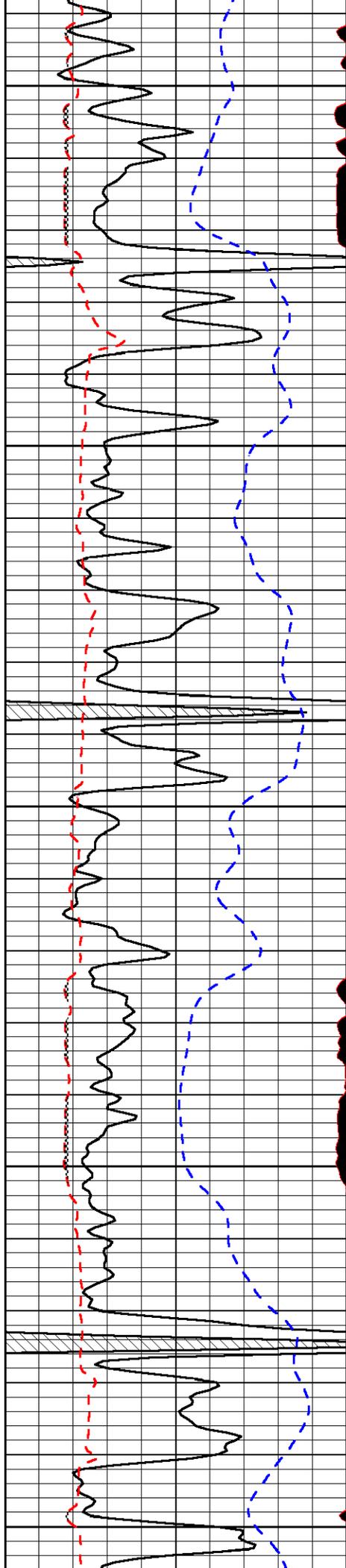
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-31

3050

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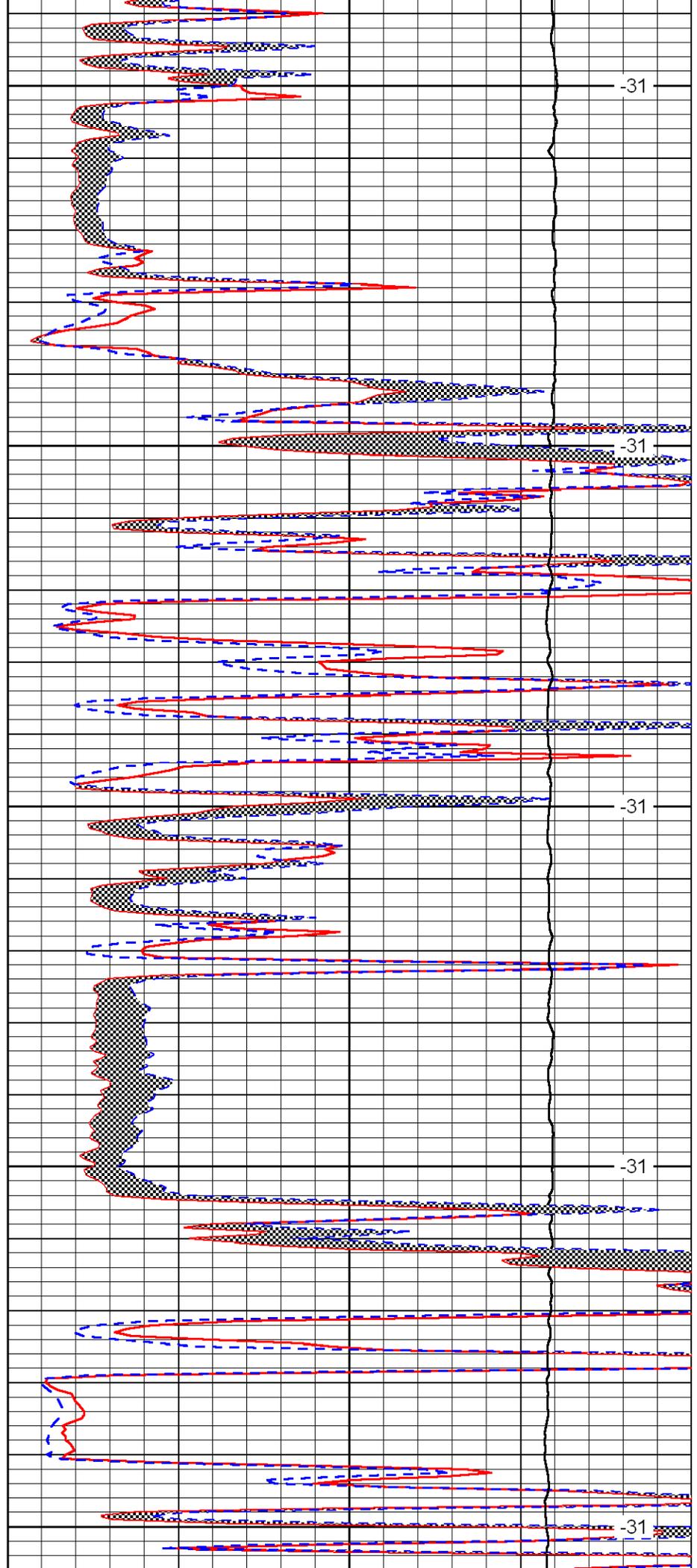
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3150

3200

3250

3300



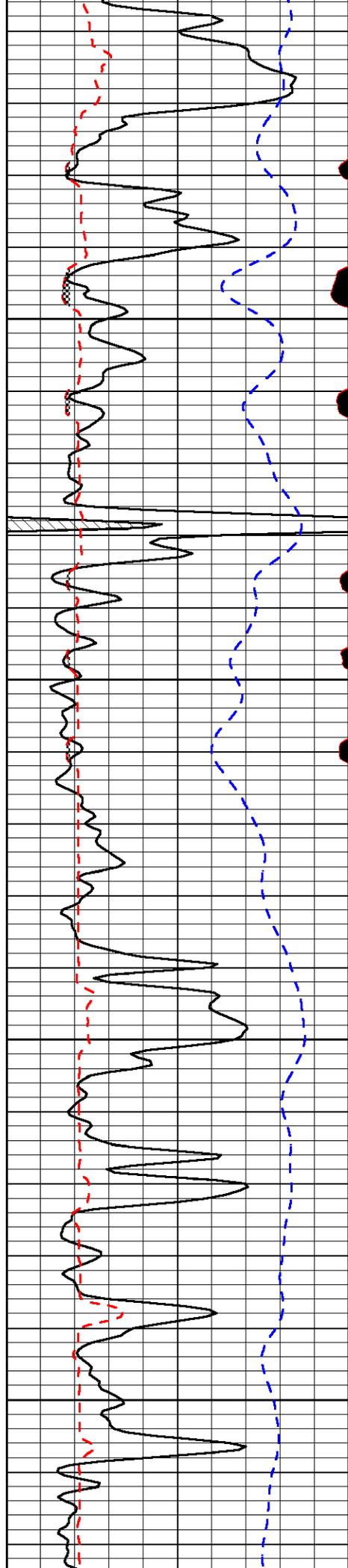
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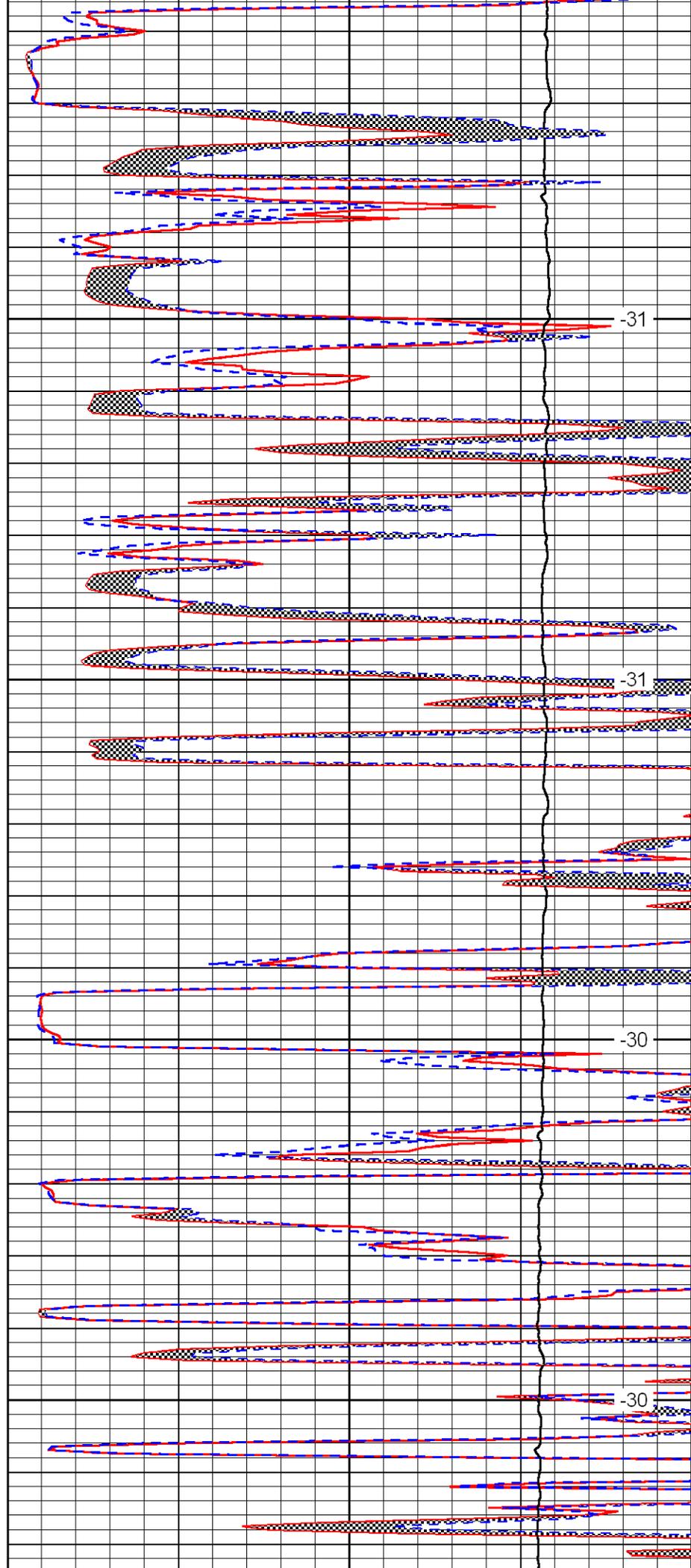


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3400

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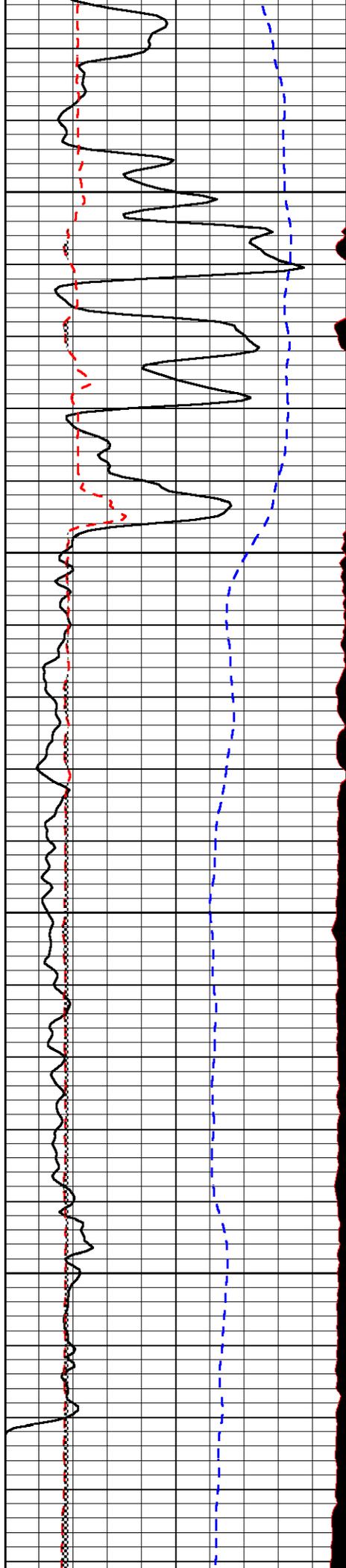


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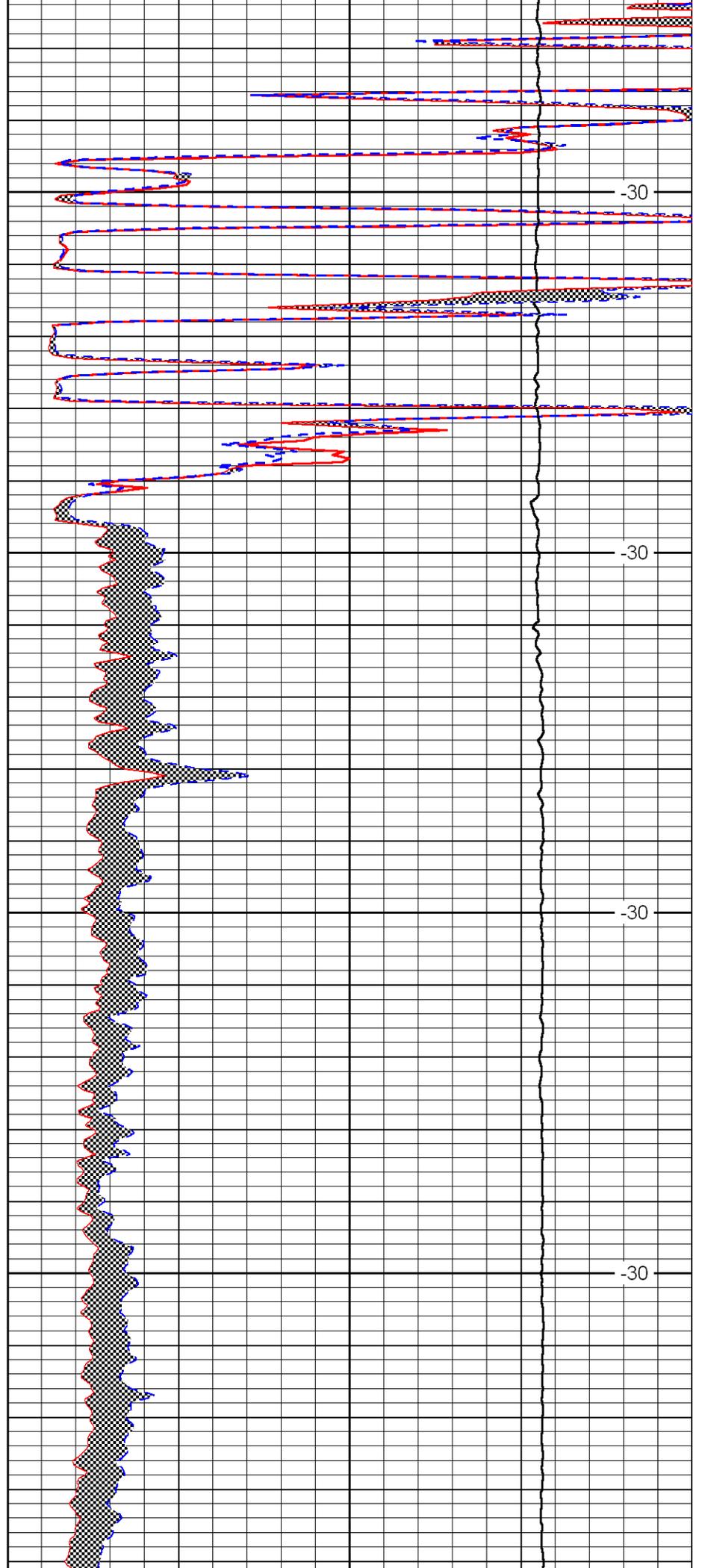


3550

3600

3650

3700



-30

-30

-30

-30

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