



PIONEER

Pioneer Energy Services

Microresistivity Log

API No.	Company H&C Oil Operating, Inc. Well Gosselin No.25-1 Field Wildcat County Graham State Kansas		
15-065-23,853-00-00	Location 1950' FNL & 1500' FEL	Other Services CNL/CDL DIL	
	Sec: 25 Twp: 8S Rge: 22W	Elevation	
Permanent Datum	Ground Level	Elevation 2082	
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing	K.B. 2089 D.F. G.L. 2082	
Date	8/28/2012		
Run Number	Two		
Depth Driller	3744		
Depth Logger	3746		
Bottom Logged Interval	3745		
Top Log Interval	2950		
Casing Driller	8.625 @ 238		
Casing Logger	235		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	1.900		
Density / Viscosity	9.1 44		
pH / Fluid Loss	10.5 7.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.1 @ 73		
Rmf @ Meas. Temp	1.58 @ 73		
Rmc @ Meas. Temp	2.84 @ 73		
Source of Rmf / Rmc	Charts		
Rm @ BHT	1.35 @ 113		
Operating Rig Time	3 1/2 Hours		
Max Rec. Temp. F	113		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Marc Downing		

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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.

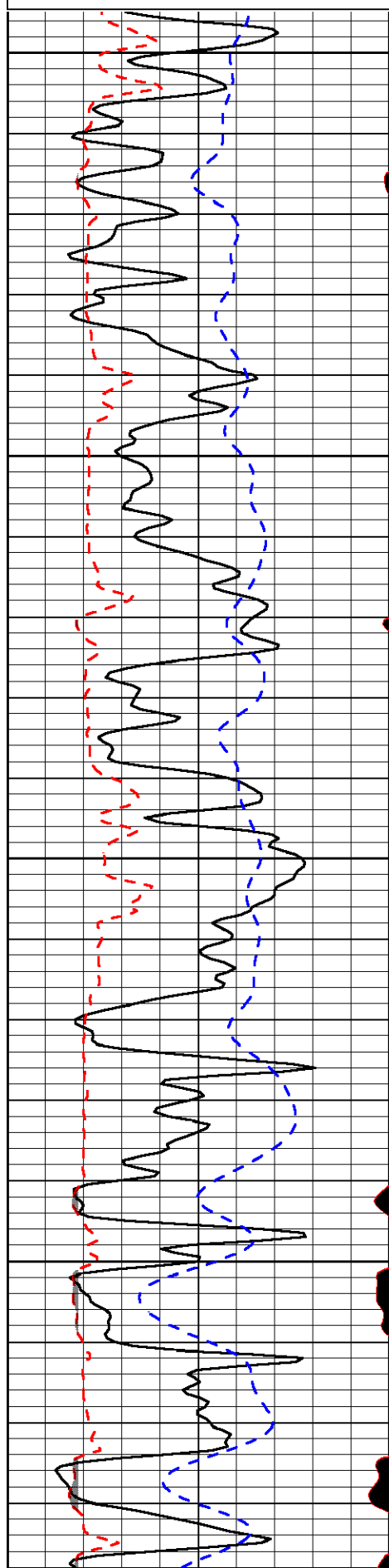
Comments

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

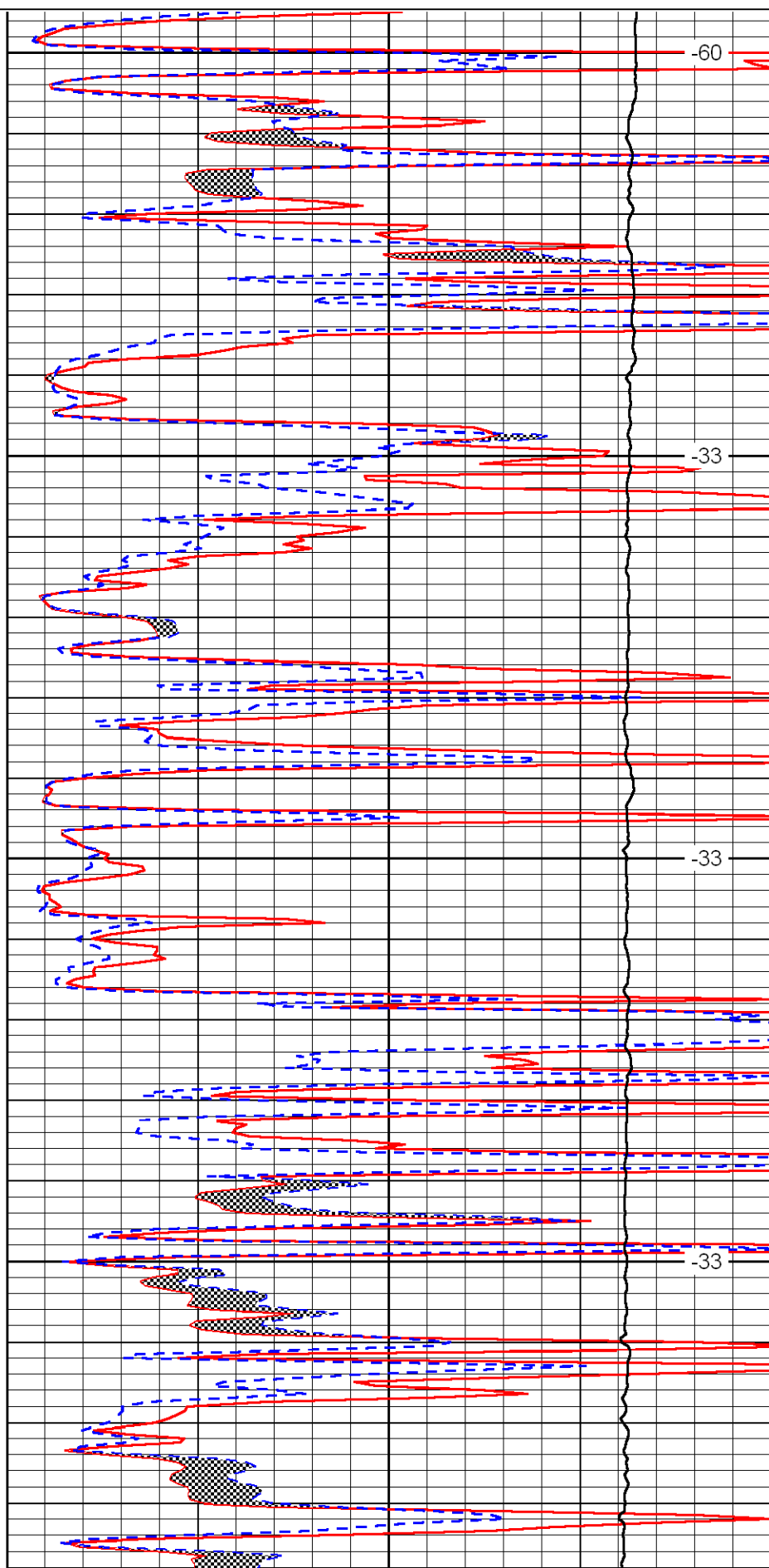
Bogue KS, S to O Rd, 2 W, Past Bridge, S Into

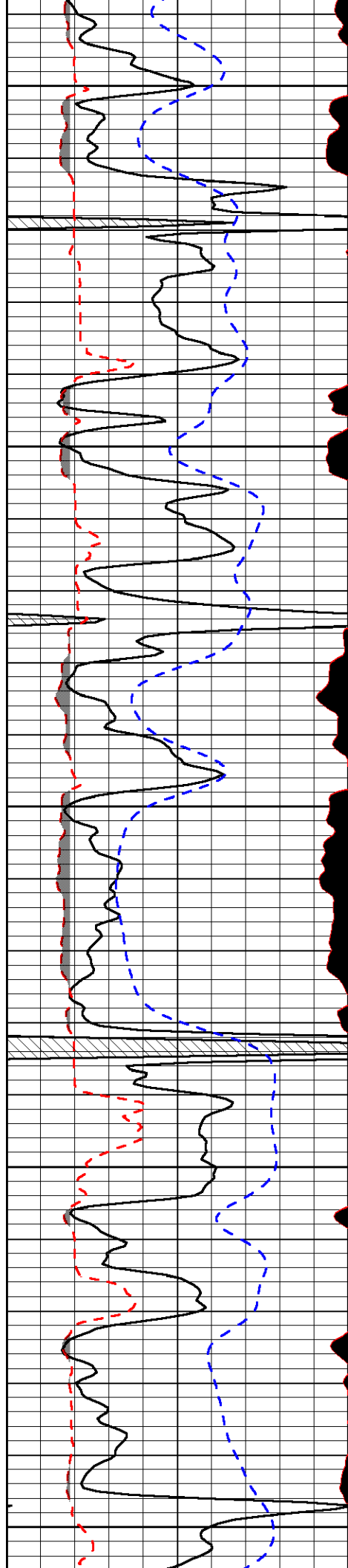
Database File: hchd.db
Dataset Pathname: dil/hcstk
Presentation Format: micro
Dataset Creation: Tue Aug 28 02:52:28 2012
Charted by: Depth in Feet scaled 1:240

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





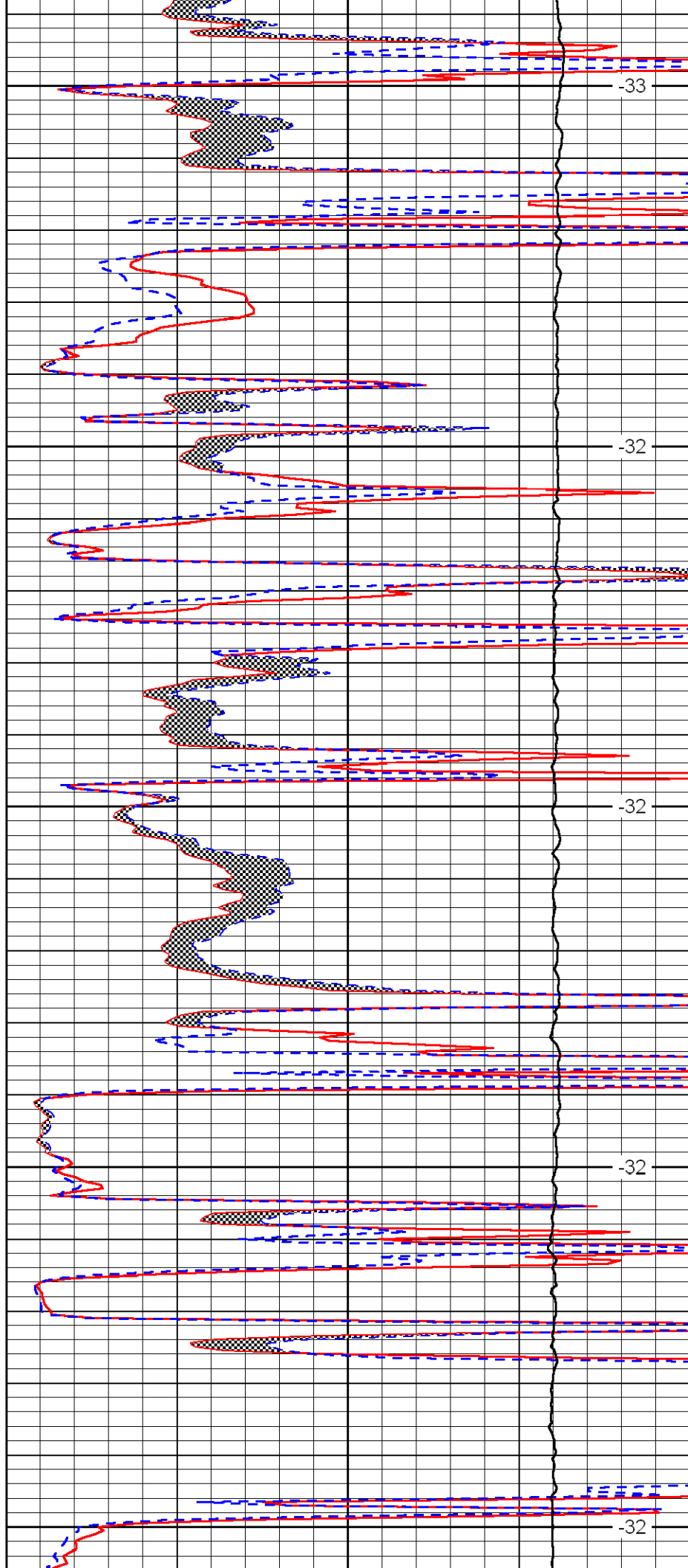
3150

3200

3250

3300

3350



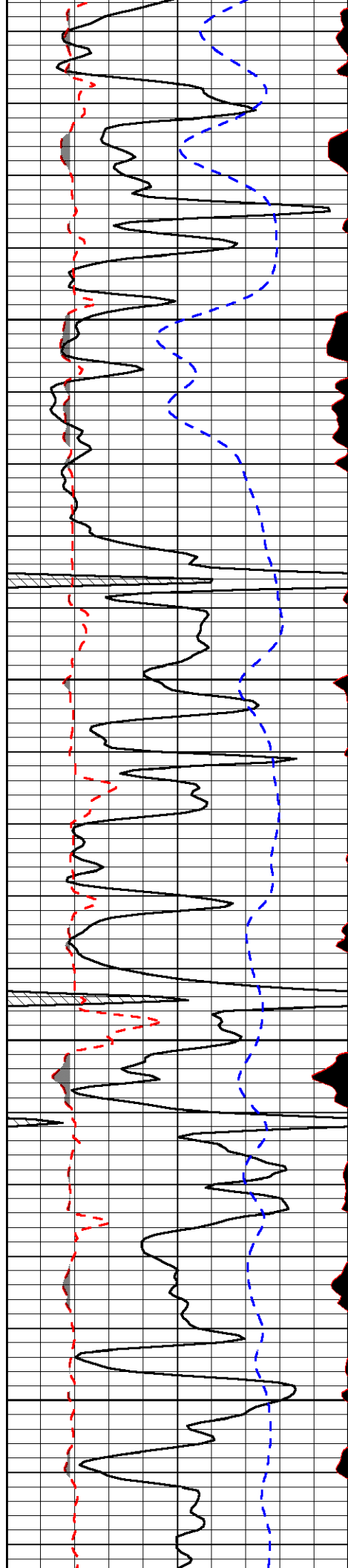
-33

-32

-32

-32

-32

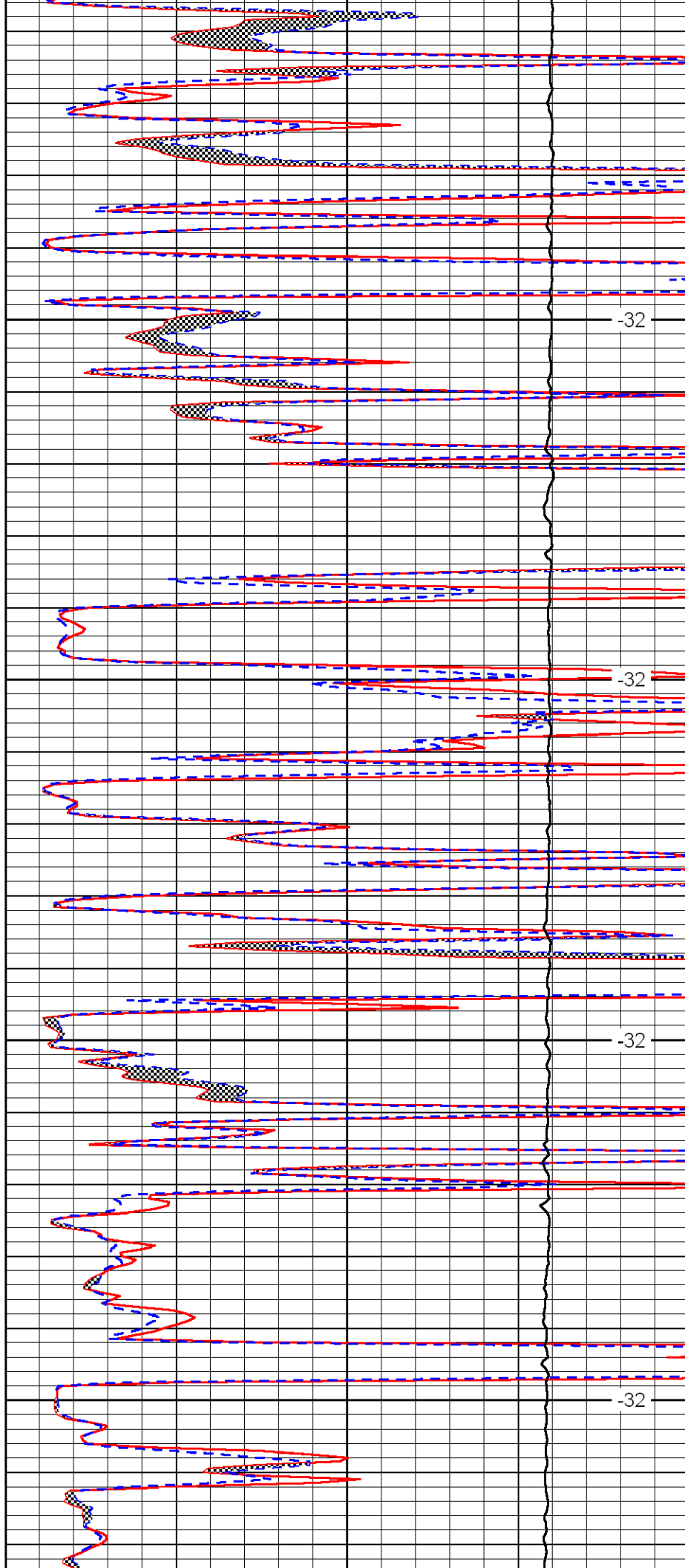


3400

3450

3500

3550



-32

-32

-32

-32

