



MICRORESISTIVITY LOG

Company SUEMAUR EXPLOR. & PROD., LLC
 Well CAMPBELL NO. 1
 Field WILDCAT
 County SHERIDAN
 State KANSAS

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 Field WILDCAT
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Location: API #: 15-179-21,413-00-00
 1,448' FSL & 546' FWL
 SEC 3 TWP 7S RGE 28W
 Permanent Datum GROUND LEVEL Elevation 2767'
 Log Measured From KELLY BUSHING
 Drilling Measured From KELLY BUSHING
 Other Services
 CNL/CDL
 DIL/BHCS
 Elevation
 K.B. 2772'
 D.F. N/A
 G.L. 2767'

Date	12/7/2015
Run Number	TWO
Depth Driller	4510'
Depth Logger	4511'
Bottom Logged Interval	4510'
Top Log Interval	3350'
Casing Driller	8.625" @ 333'
Casing Logger	334'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	1800
Density / Viscosity	9.3 76
pH / Fluid Loss	11.0 6.4
Source of Sample	Flowline
Rm @ Meas. Temp	.90 @ 60
Rmt @ Meas. Temp	.68 @ 60
Rmc @ Meas. Temp	1.22 @ 60
Source of Rmf / Rmc	Charts
Rm @ BHT	.45 @ 121
Operating Rig Time	5 HOURS
Max Rec. Temp. F	121 DEG F
Equipment Number	108
Location	Hays
Recorded By	J. LONG
Witnessed By	BOB PETERSEN
	J. HENRICKSON

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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.
 HOXIE, 8 NORTH TO ROAD 80 N, 1/8 EAST,
 NORTH INTO (FOLLOW EDGE OF FIELD WEST AND NORTH)

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

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

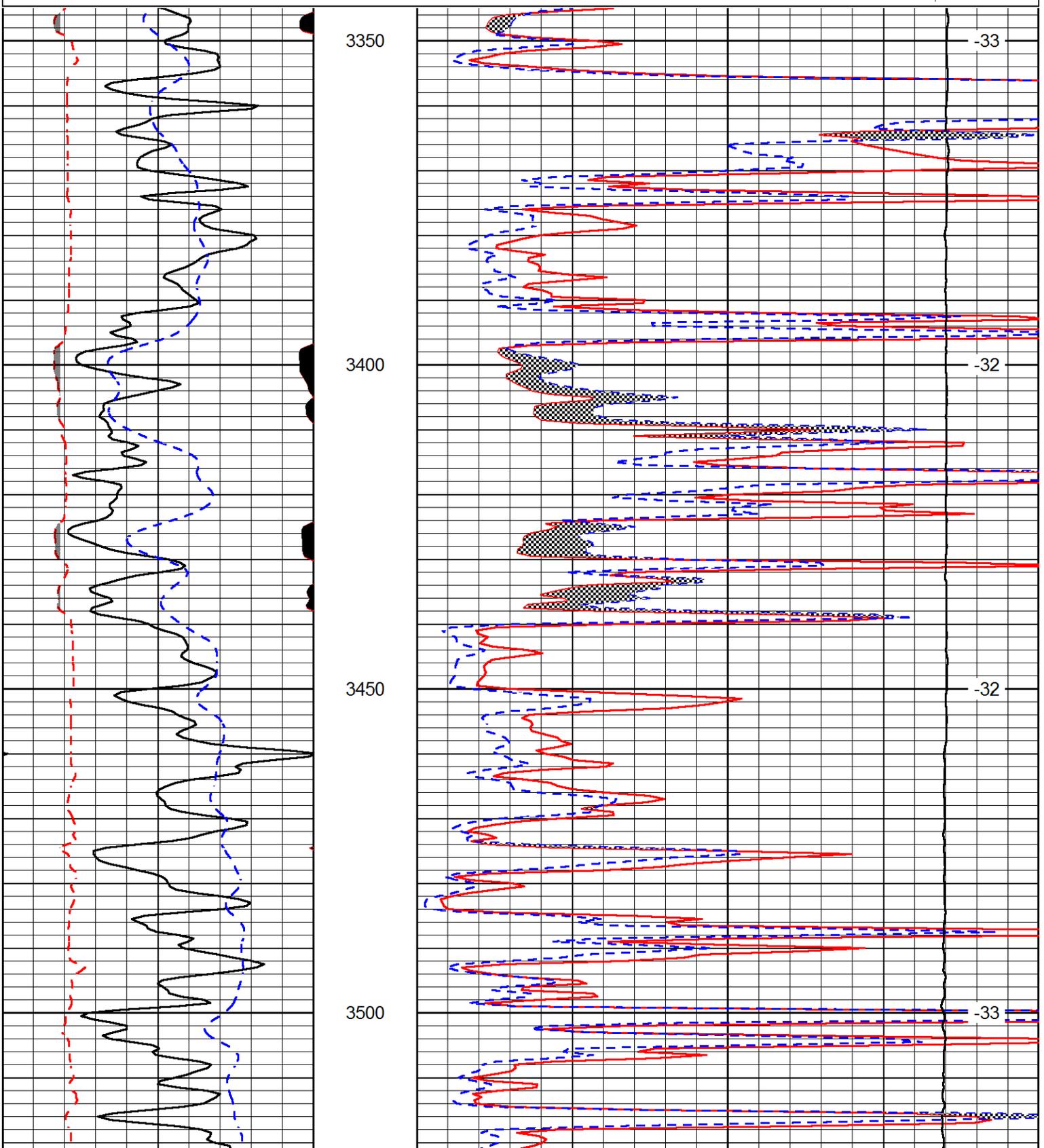
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: BOB PETERSEN
Operator: J. HENRICKSON	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

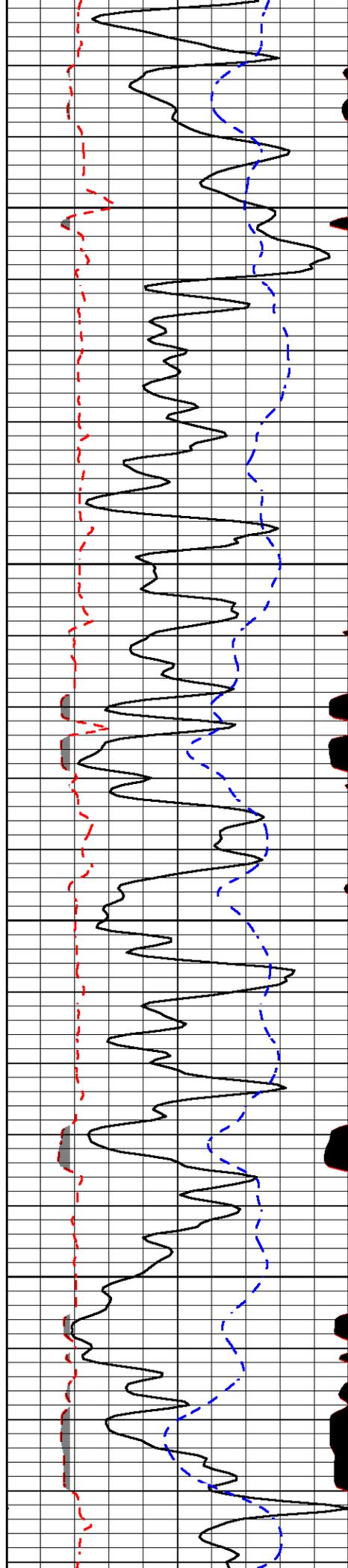
Database File suemaur_campbell_1hd.db
 Dataset Pathname DILDUCP/suestck2
 Presentation Format micro
 Dataset Creation Mon Dec 07 22:37:21 2015
 Charted by Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD
(ft/min)



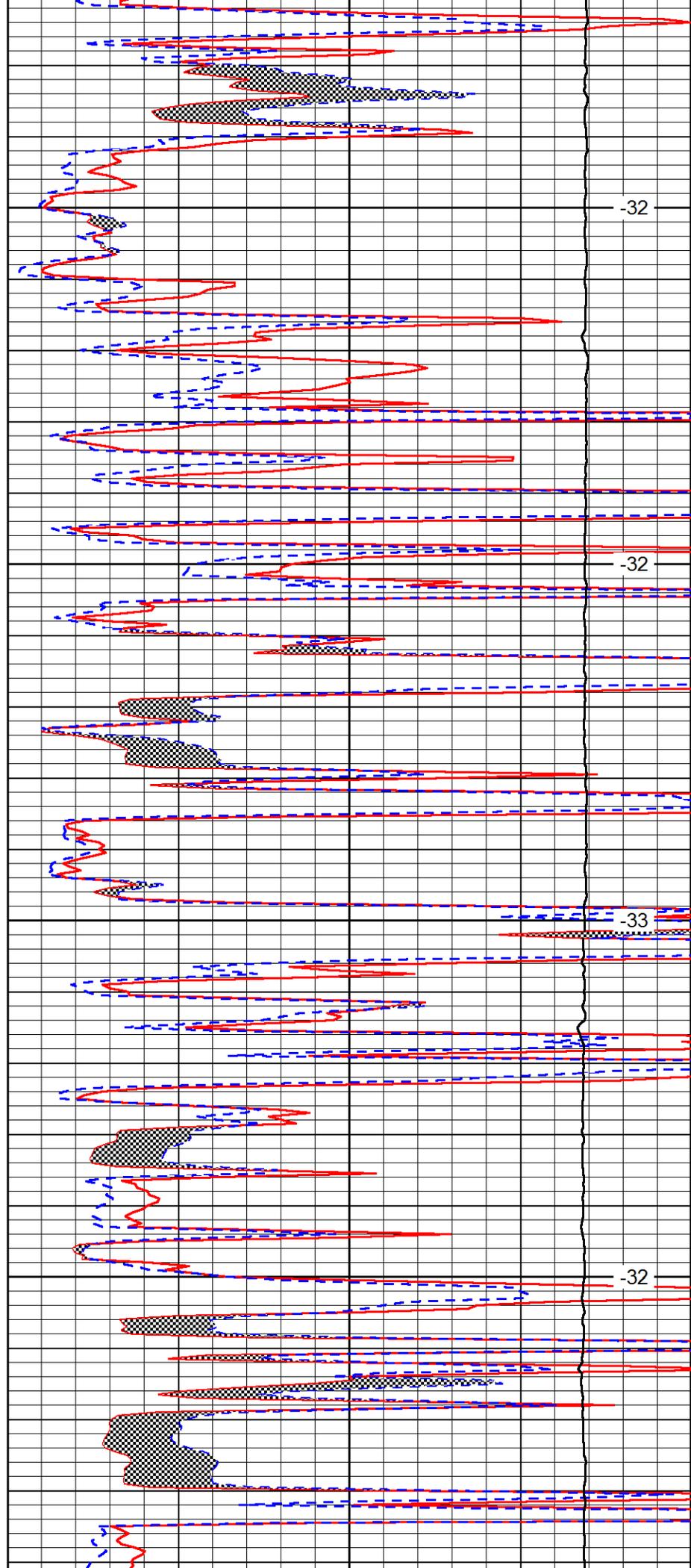


3550

3600

3650

3700

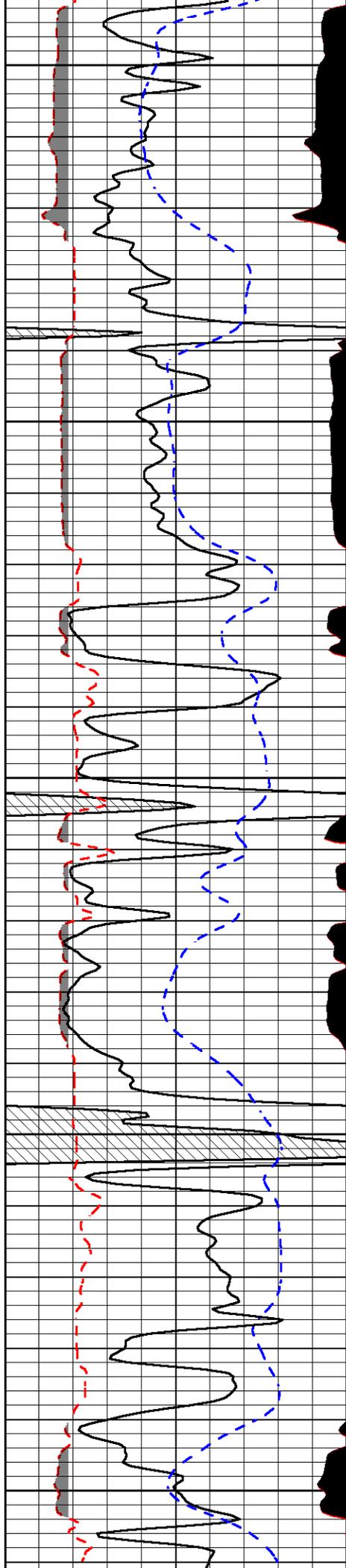


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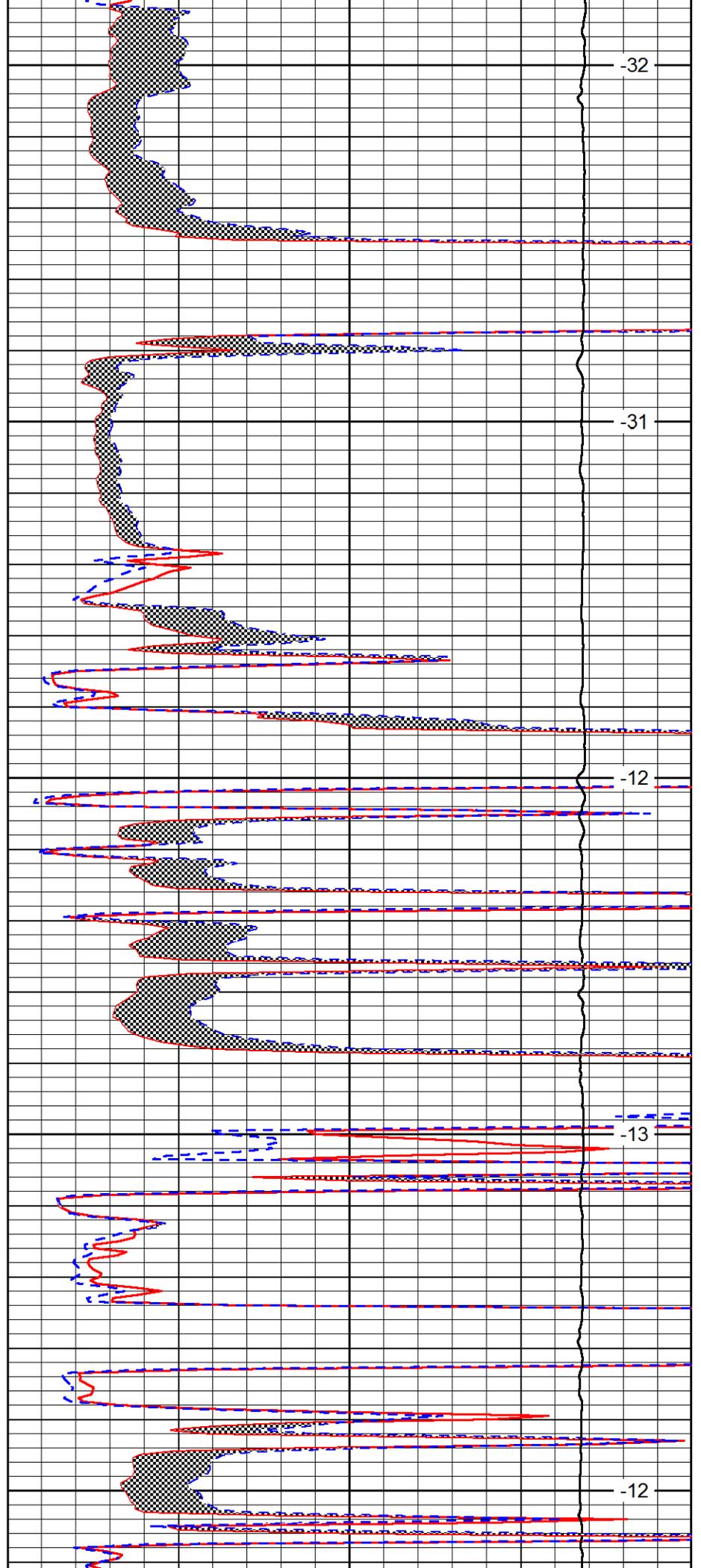
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3800

3850

3900

3950



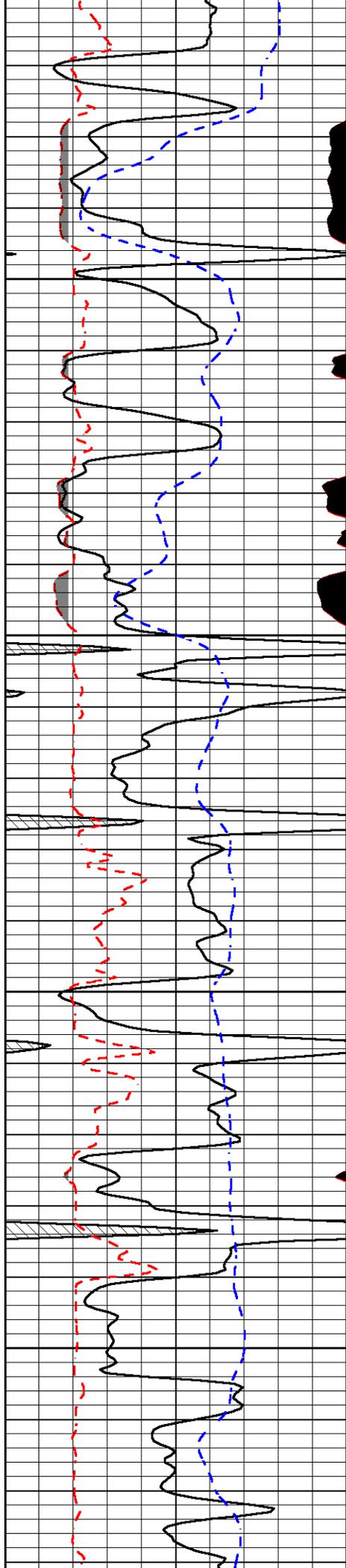
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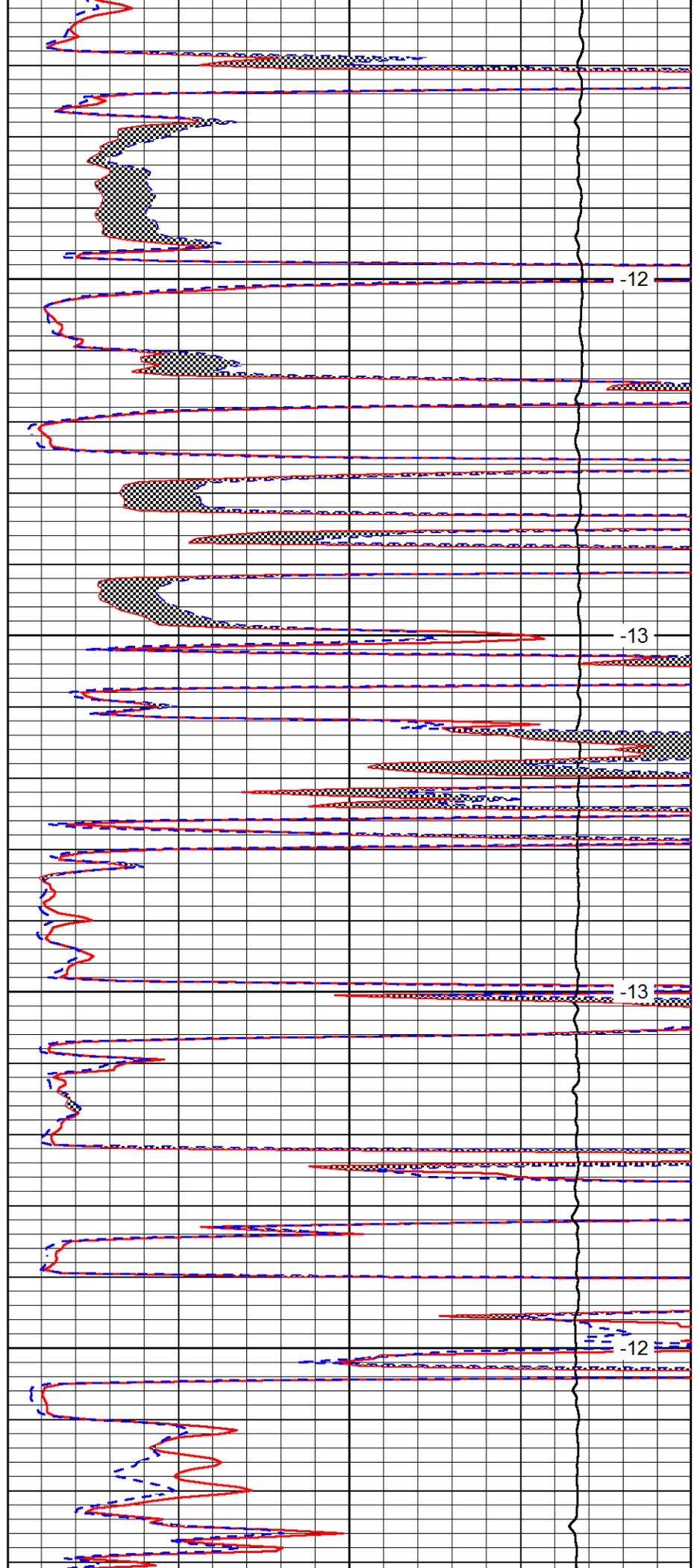


4000

4050

4100

4150

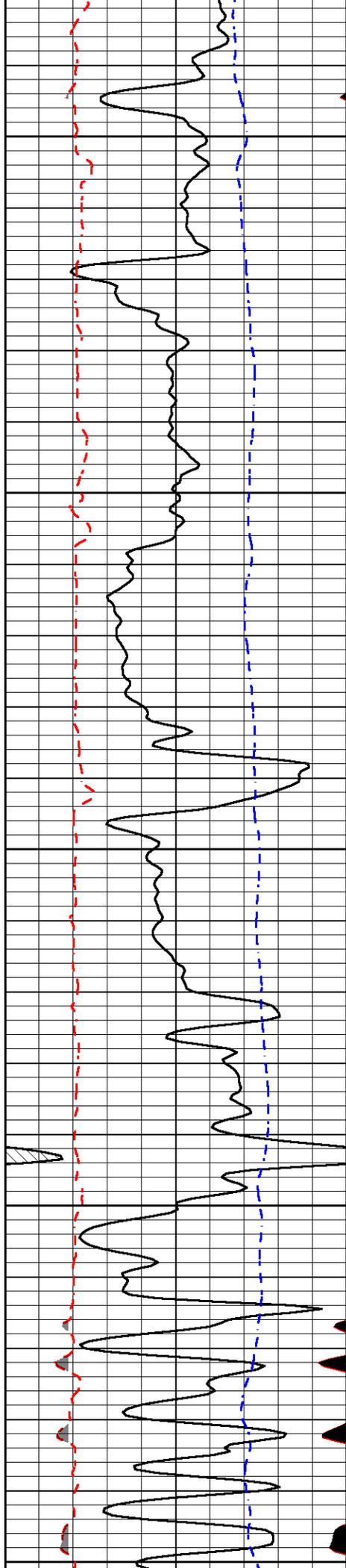


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4200

-12

4250

-13

4300

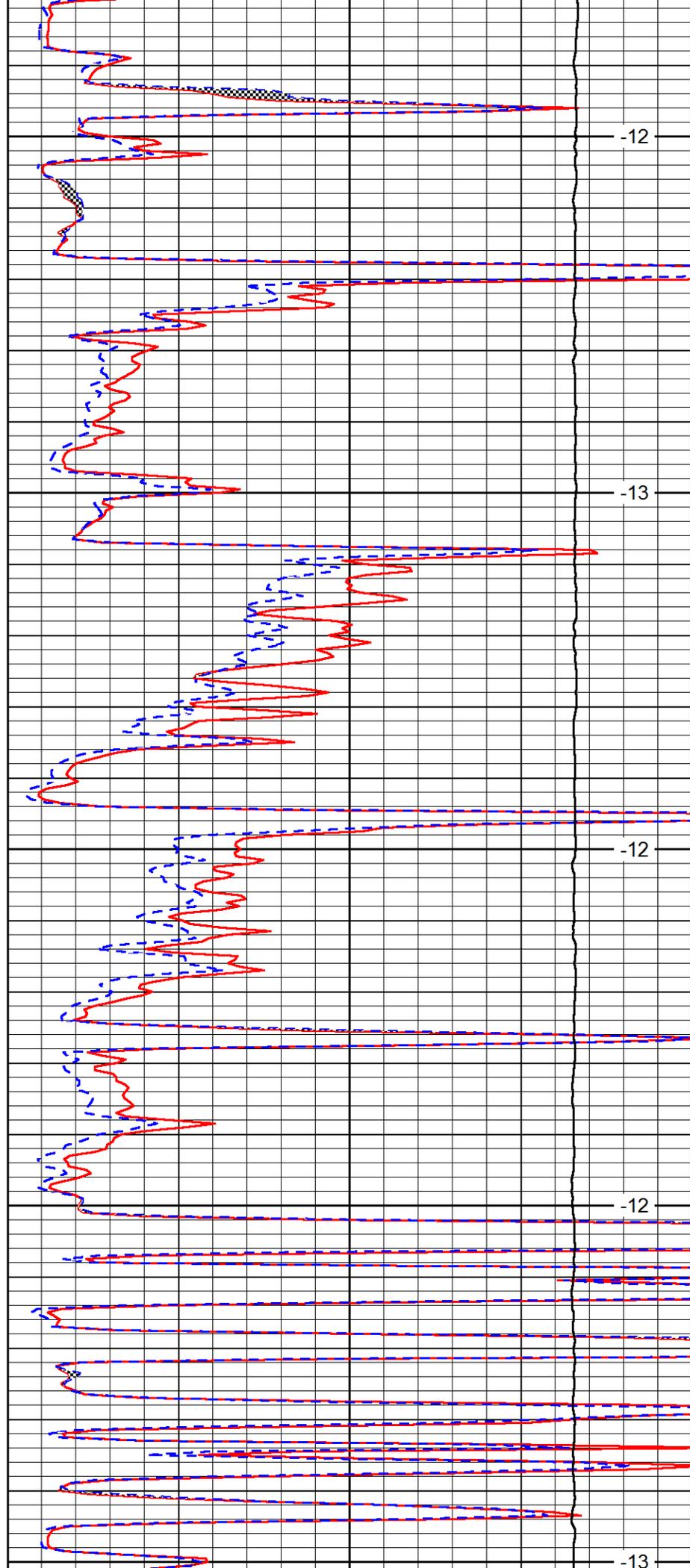
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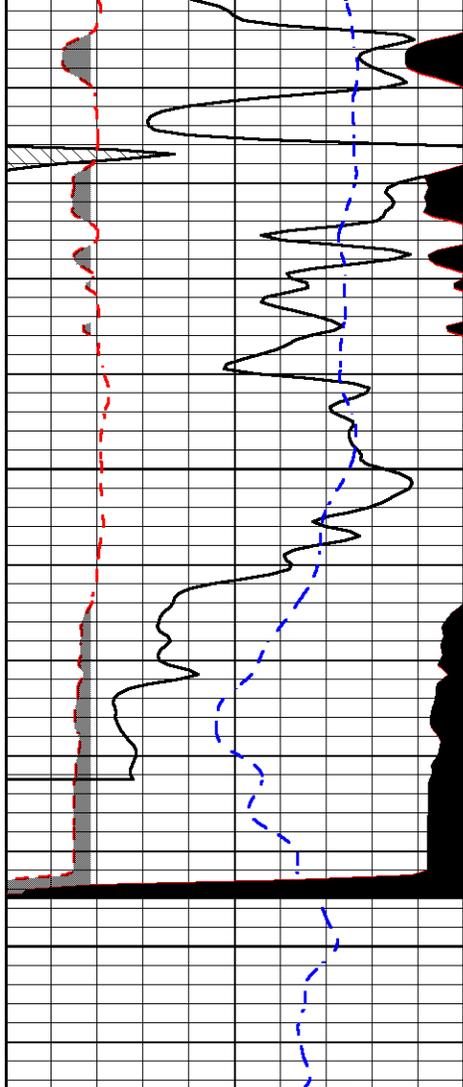
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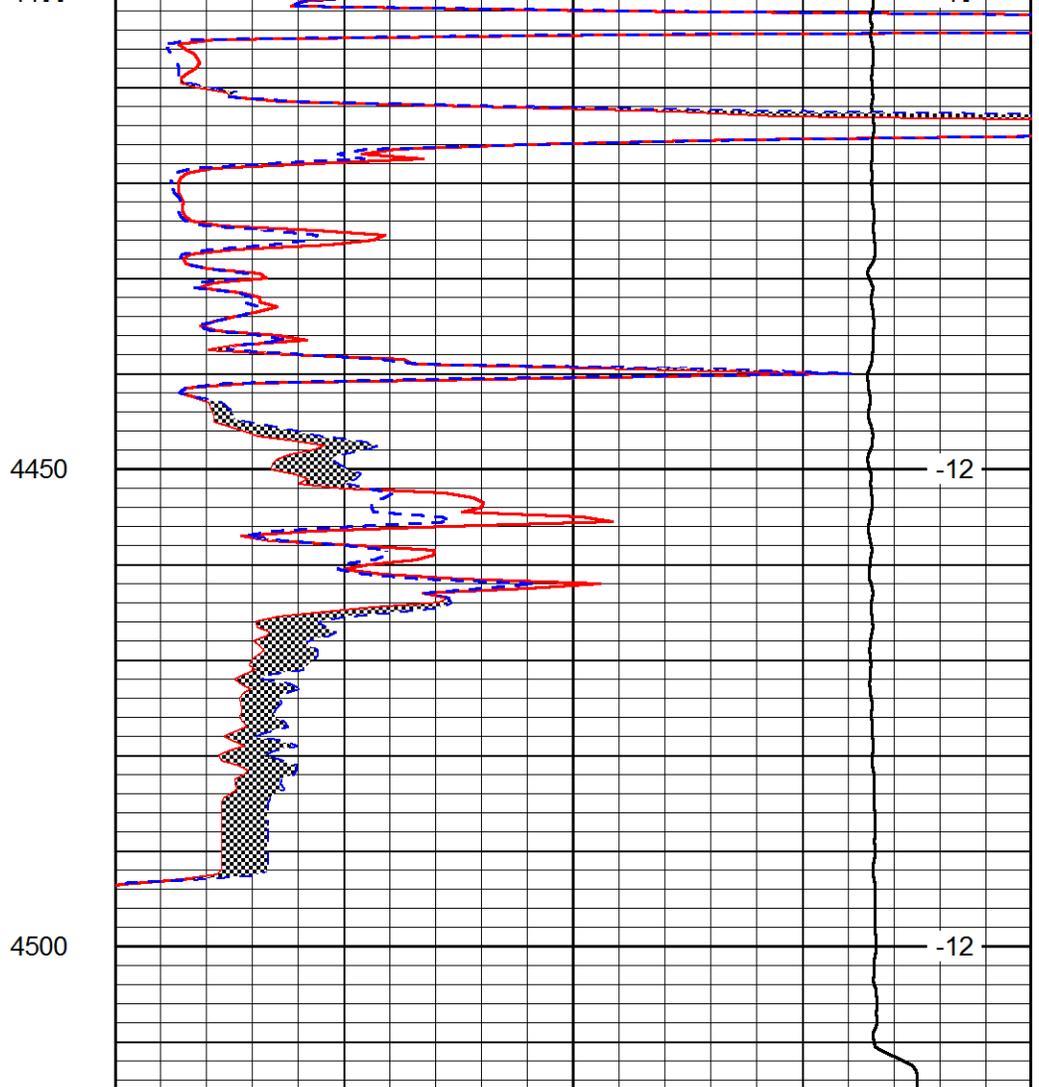
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-13





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(ft/min)