PIONEER

Pioneer Energy Services

Microresistivity Log

API No. 15-145-21758-00-00

Company Downing-Nelson Oil Company, Inc.

Well Meckfessel Trust # 1-17

Field Badger Hill East

County Pawnee State Kansas

Location 1040' FNL & 2005' FEL

Sec: 17 Twp: 23 S Rge: 18 W

Other Services
CNL/CDL
DIL

Elevation
K.B. 2190
D.F.
G.L. 2177

Permanent Datum	Ground Level	Elevation 2177	
Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	06-04-2014		
Run Number	Two		
Depth Driller	4590		
Depth Logger	4589		
Bottom Logged Interval	4588		
Top Log Interval	3400		
Casing Driller	8.625 @ 1298		
Casing Logger	1296		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	4000		
Density / Viscosity	9.4 | 50		
pH / Fluid Loss	9.5 | 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.55 @ 80		
Rmf @ Meas. Temp	0.41 @ 80		
Rmc @ Meas. Temp	0.74 @ 80		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.36 @ 122		
Operating Rig Time	4 Hours		
Max. Rec. Temp. F	122		
Equipment Number	15		
Location	Hays		
Recorded By	Y. Ruiz		
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

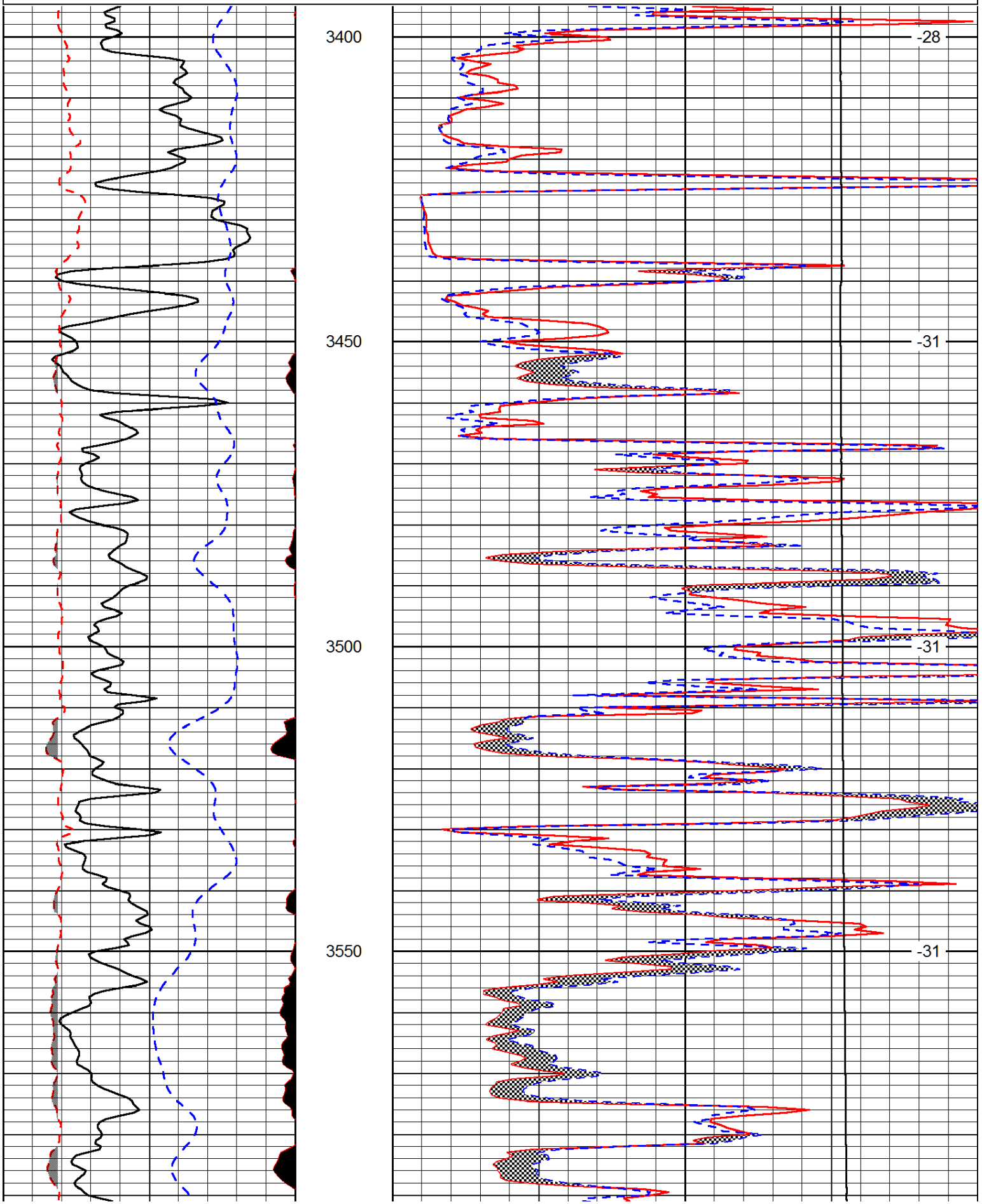
Hwy 183 & Hwy 1-56,
South to E Rd, 1/4 West,
North into

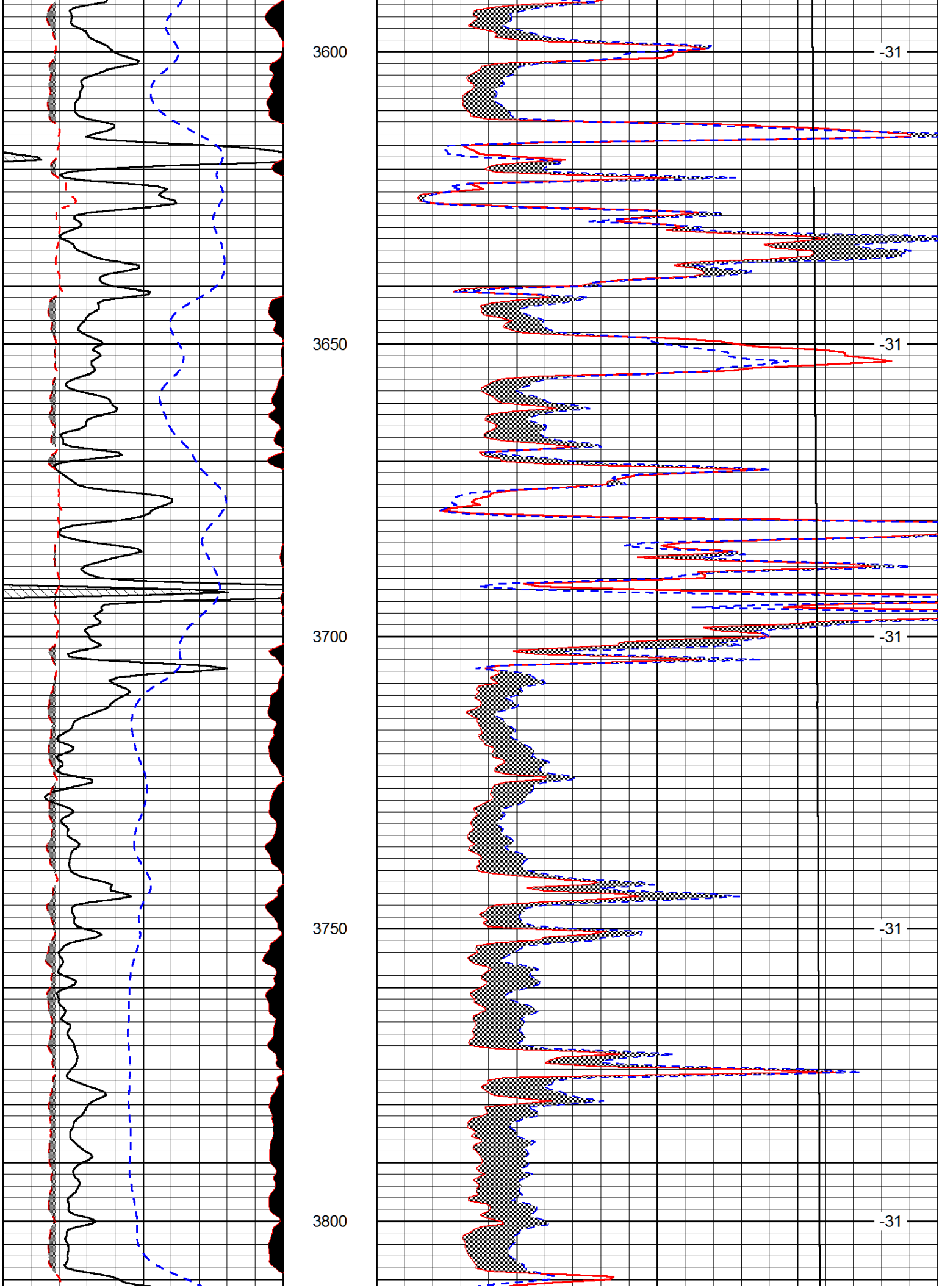
Database File:	downing_nelson_meckfessel_1_17hd.db
Dataset Pathname:	DIL/dostk
Presentation Format:	micro
Dataset Creation:	Wed Jun 04 09:36:48 2014
Charted by:	Depth in Feet scaled 1:240

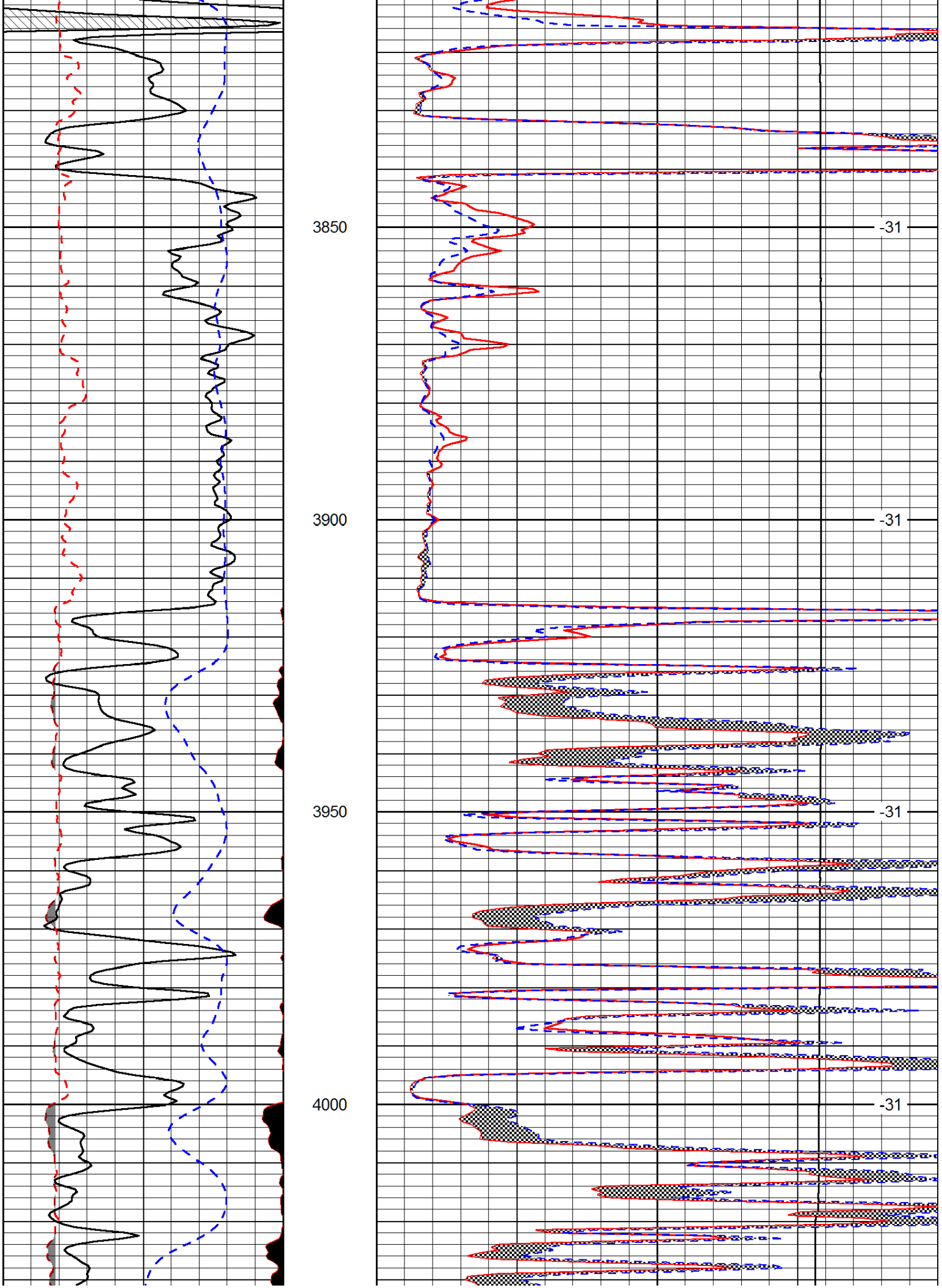
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

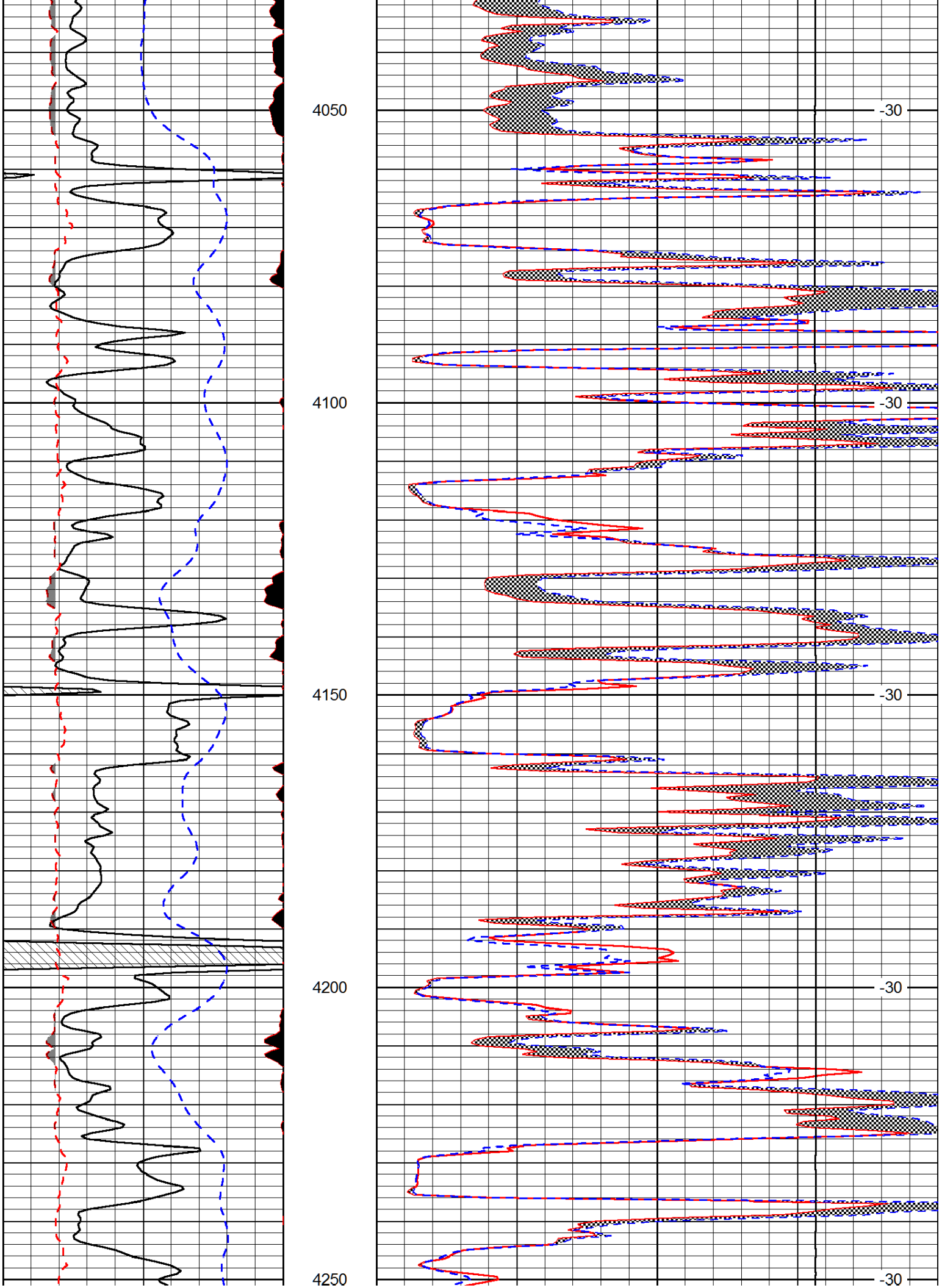
0	Micro Inverese 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

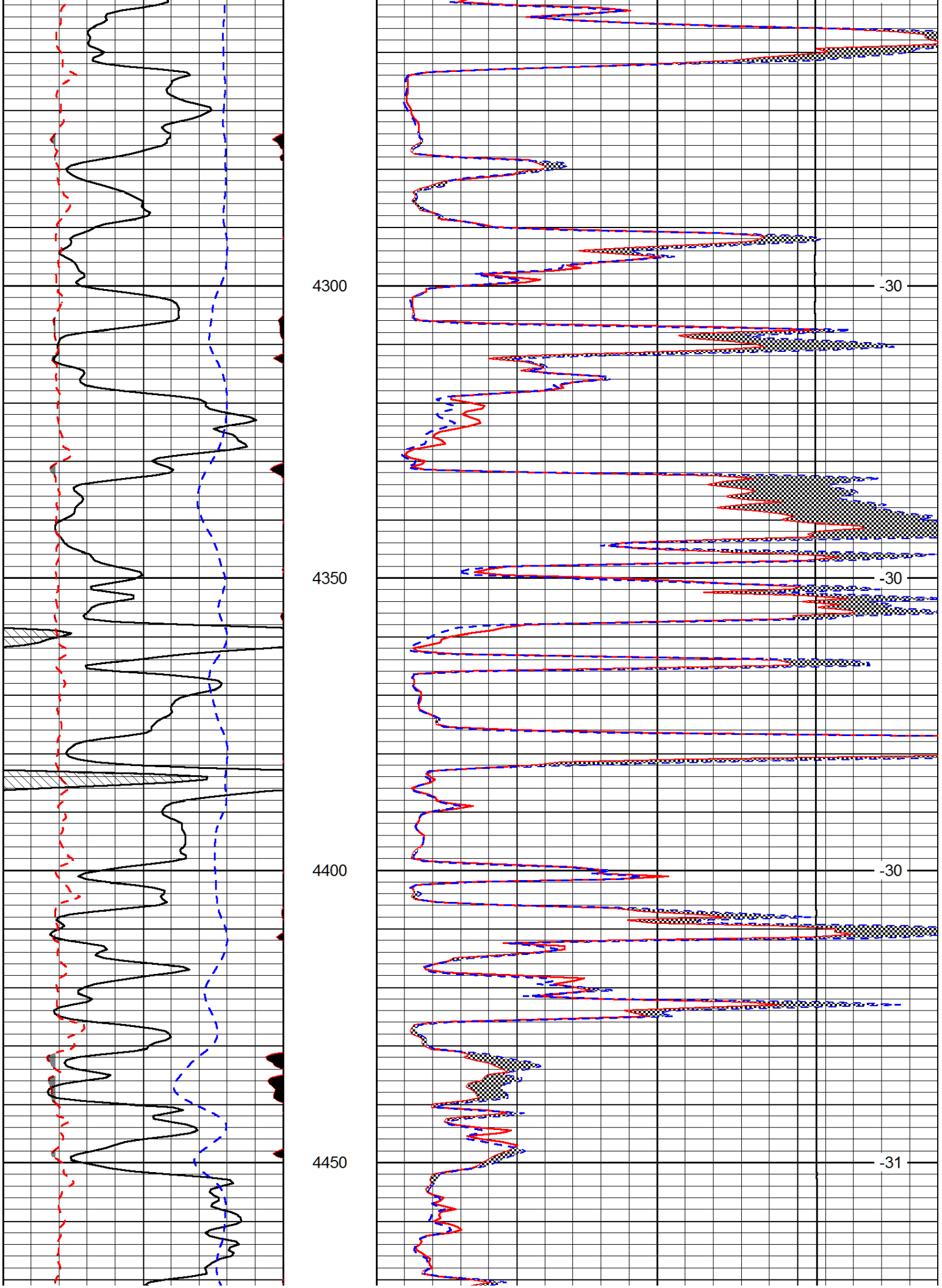
LSPD

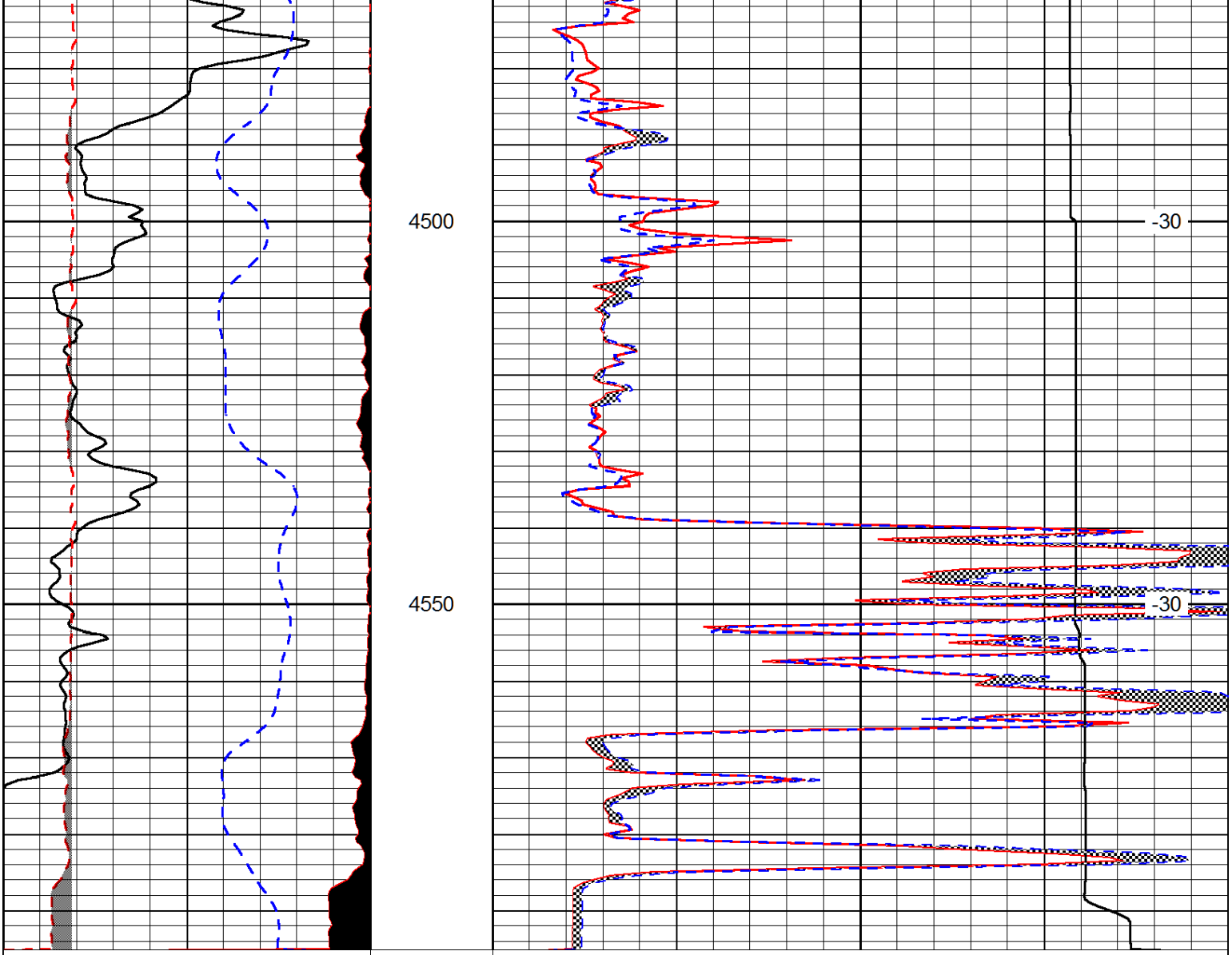



3600
3650
3700
3750
3800
-31
-31
-31
-31
-31


3850
3900
3950
4000
-31
-31
-31


4050
4100
4150
4200
4250
-30
-30
-30
-30


4300
-30
4350
-30
4400
-30
4450
-31



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