PIONEER

Pioneer Energy Services

Microresistivity Log

API No. 15-147-20715-00-00

Company Bach Oil Production

Well Candy Krafft #3

Field Woodruff

County Phillips State Kansas

Location 801' FSL & 1306' FWL

Sec: 12 Twp: 1S Rge: 19W

Other Services
CNL/CDL
DIL

Elevation
K.B. 2138
D.F.
G.L. 2133

Permanent Datum Ground Level Elevation 2133
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	8/17/2013			
Run Number	Two			
Depth Driller	3626			
Depth Logger	3626			
Bottom Logged Interval	3625			
Top Log Interval	3000			
Casing Driller	8.625 @ 221			
Casing Logger	221			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	500			
Density / Viscosity	8.9 / 59			
pH / Fluid Loss	9.5 / 6.4			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.80 @ 76			
Rmf @ Meas. Temp	1.35 @ 76			
Rmc @ Meas. Temp	2.43 @ 76			
Source of Rmf / Rmc	Charts			
Rm @ BHT	1.20 @ 114			
Operating Rig Time	3 Hours			
Max. Rec. Temp. F	114			
Equipment Number	91			
Location	Hays			
Recorded By	D. Schmidt			
Witnessed By	Bob Petersen			

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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

Phillipsburg,
North to Hwy 383, 3 West to 500 Rd, 1 1/2 South,
East & North into

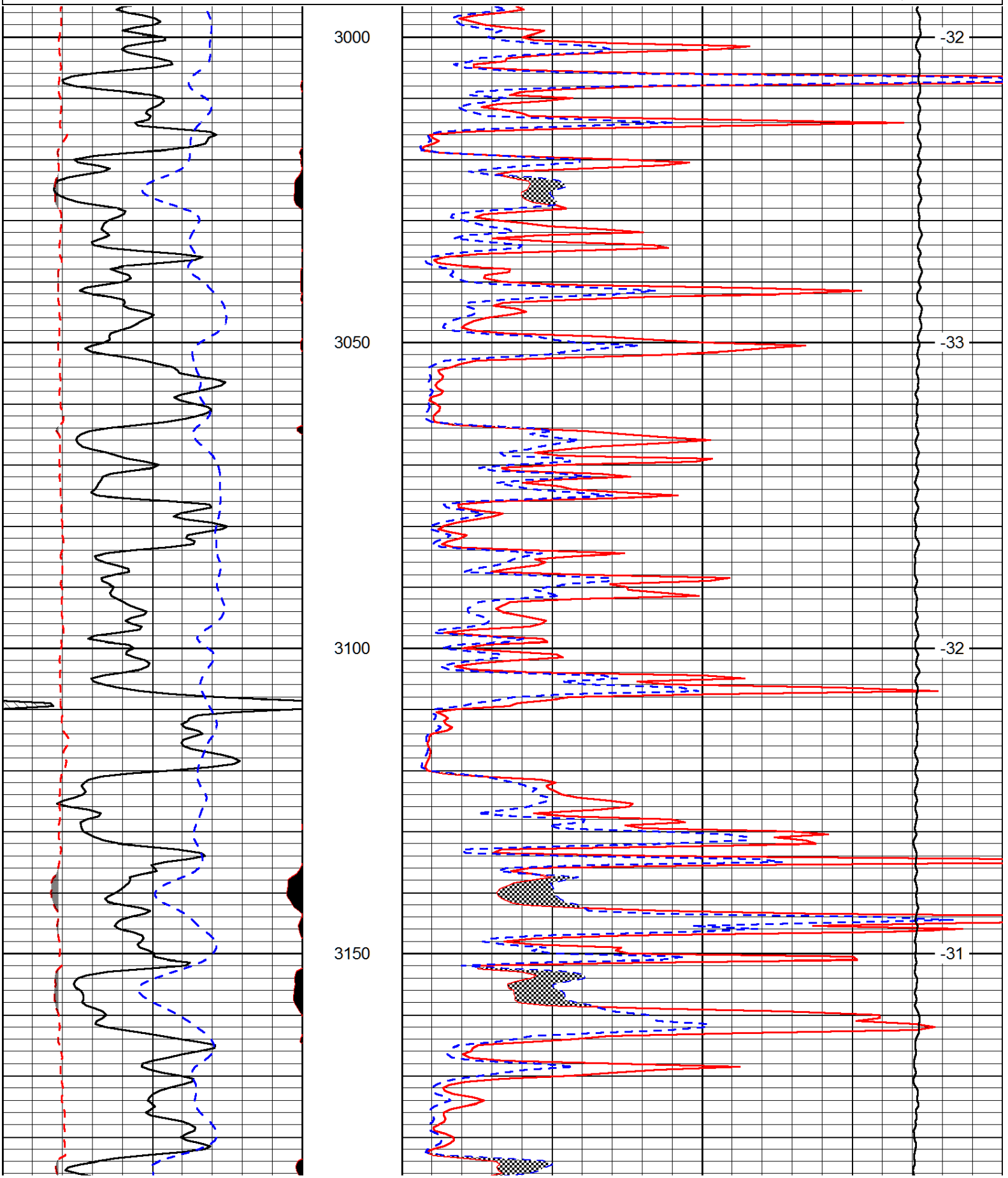
Database File:	bach_081713hd.db
Dataset Pathname:	dil/bchstck
Presentation Format:	micro
Dataset Creation:	Sat Aug 17 12:06:12 2013
Charted by:	Depth in Feet scaled 1:240

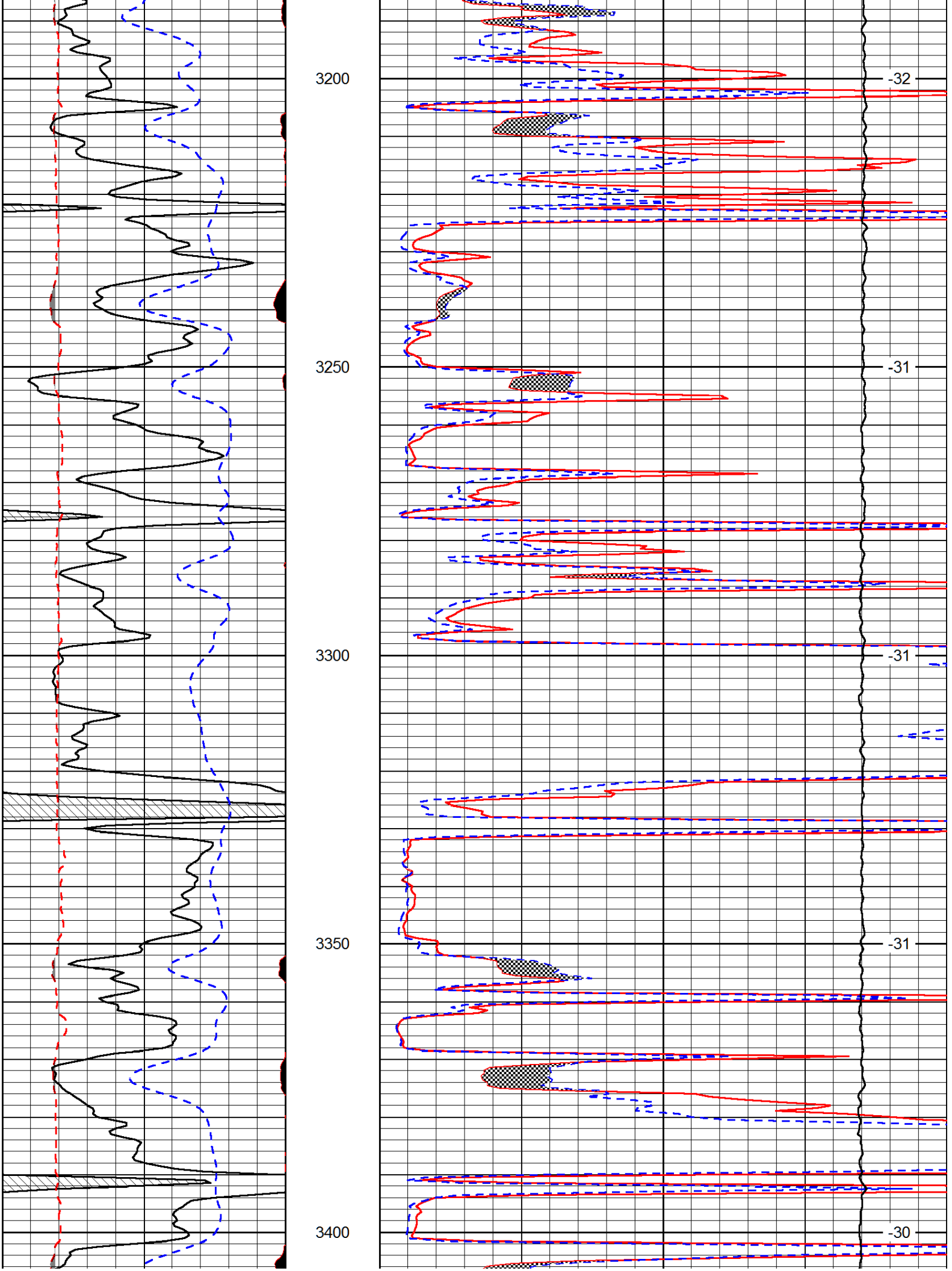
Charted by: Depth in Feet scaled 1:240

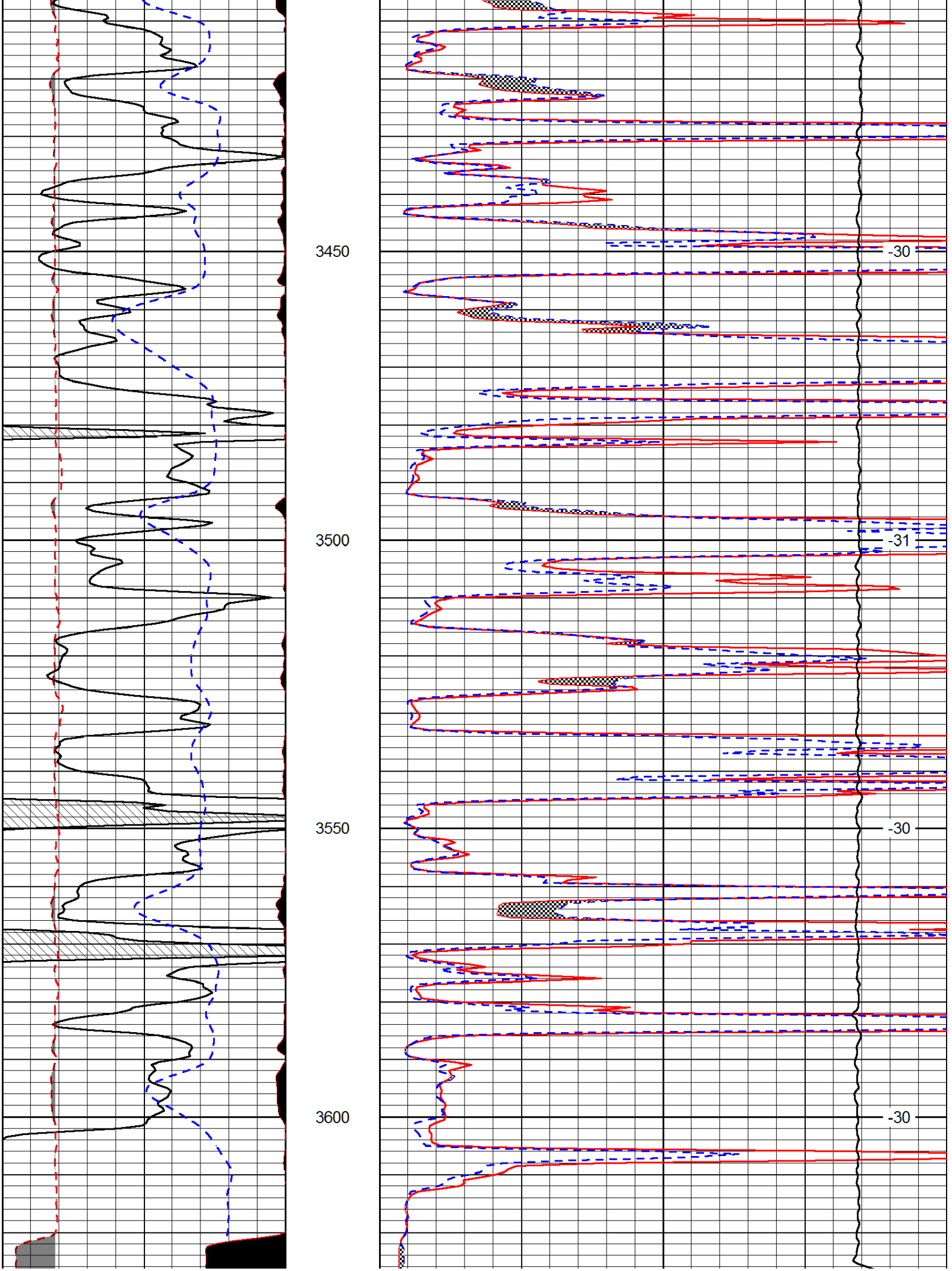
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

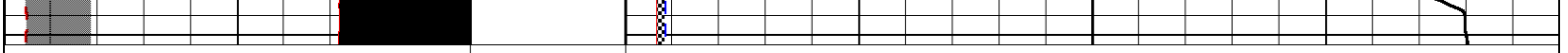
0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD (ft/min)




3200
3250
3300
3350
3400
-32
-31
-31
-31
-30


3450
3500
3550
3600
-30
-31
-30
-30



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