



Pioneer Energy Services

Radiation Guard Log

API No.	Company Berexco LLC Well Mears "A" No. 1-9 Field Wildcat County Cheyenne State Kansas			
15-023-21,354-00-00	Location Sec: 9 Twp: 1S Rge: 37W	SE NE 1,820' FNL & 620' FEL	Other Services MEL BHCS	
Permanent Datum	Ground Level	Elevation 3129	Elevation	
Log Measured From	Kelly Bushing	11 Ft. Above Perm. Datum	K.B. 3140 D.F. 3129 G.L. 3129	
Drilling Measured From	Kelly Bushing			
Date	9/9/2012			
Run Number	One			
Depth Driller	5085			
Depth Logger	5084			
Bottom Logged Interval	5083			
Top Log Interval	300			
Casing Driller	8.625 @ 310			
Casing Logger	306			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	1800			
Density / Viscosity	9.3 50			
pH / Fluid Loss	11.0 6.4			
Source of Sample	Flowline			
Rm @ Meas. Temp	.88 @ 70			
Rmf @ Meas. Temp	.66 @ 70			
Rmc @ Meas. Temp	1.19 @ 70			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.49 @ 127			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	127			
Equipment Number	108			
Location	Hays			
Recorded By	J. Long			
Witnessed By	Bryan Bynog			

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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.

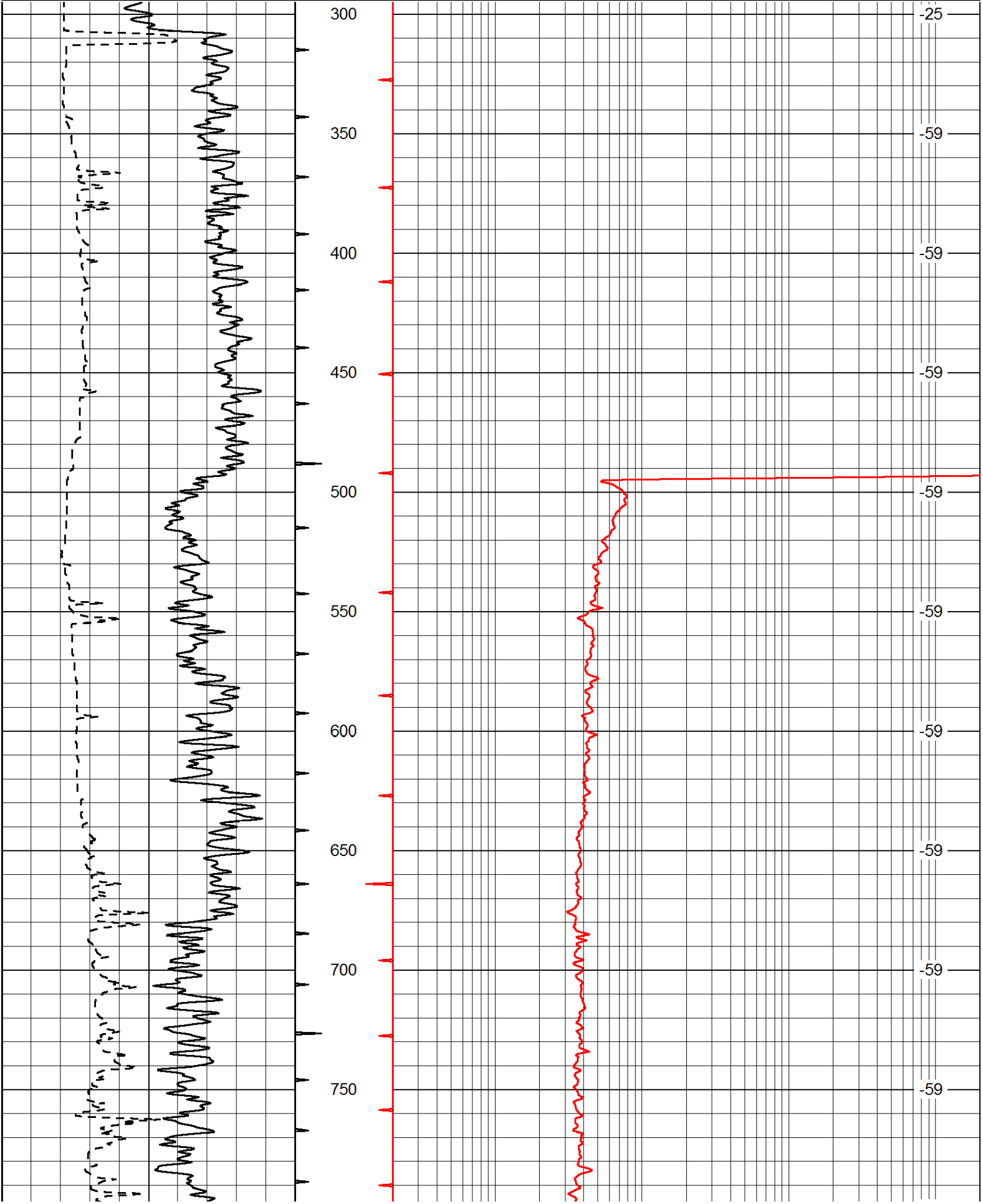
Comments

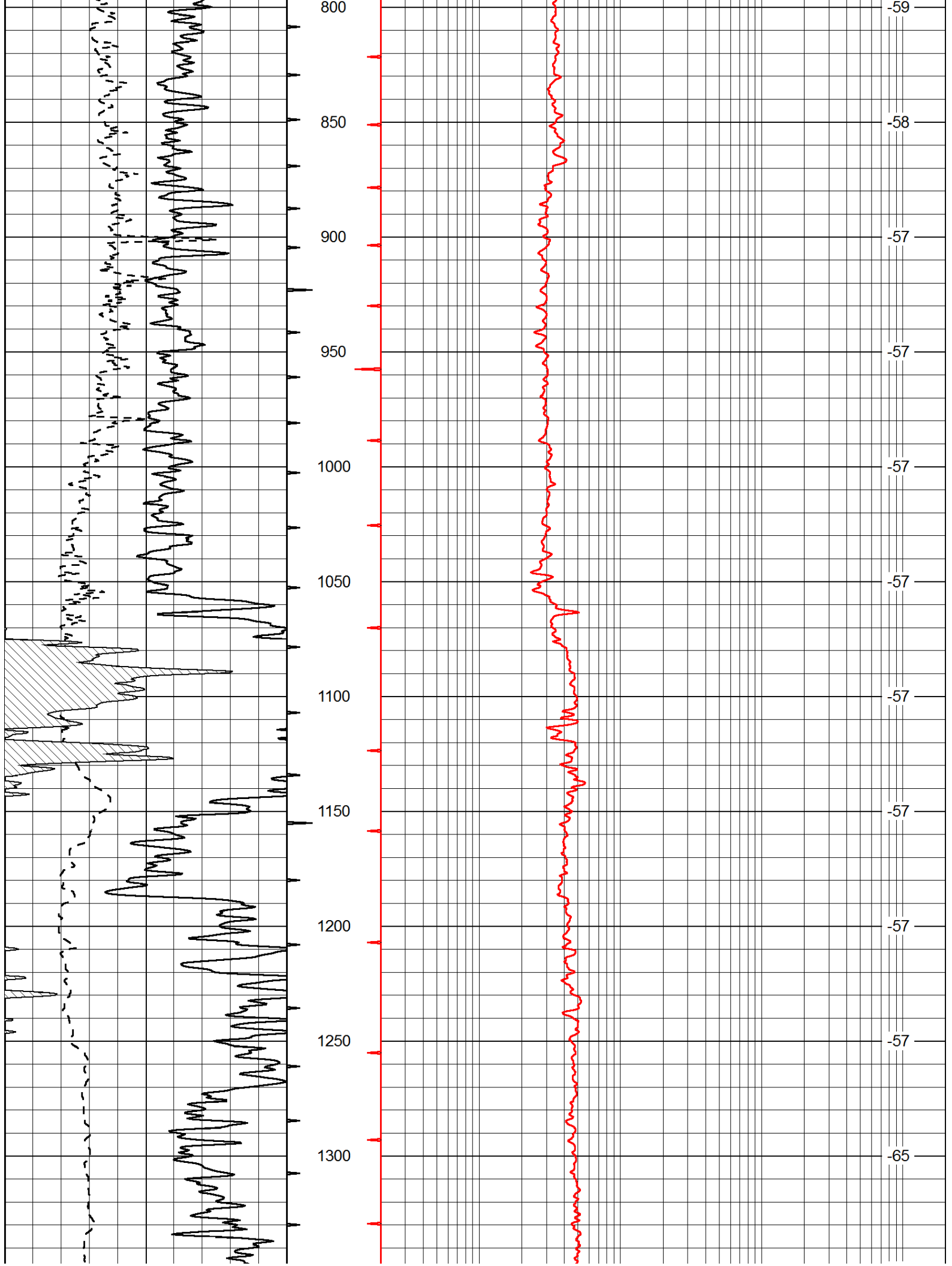
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

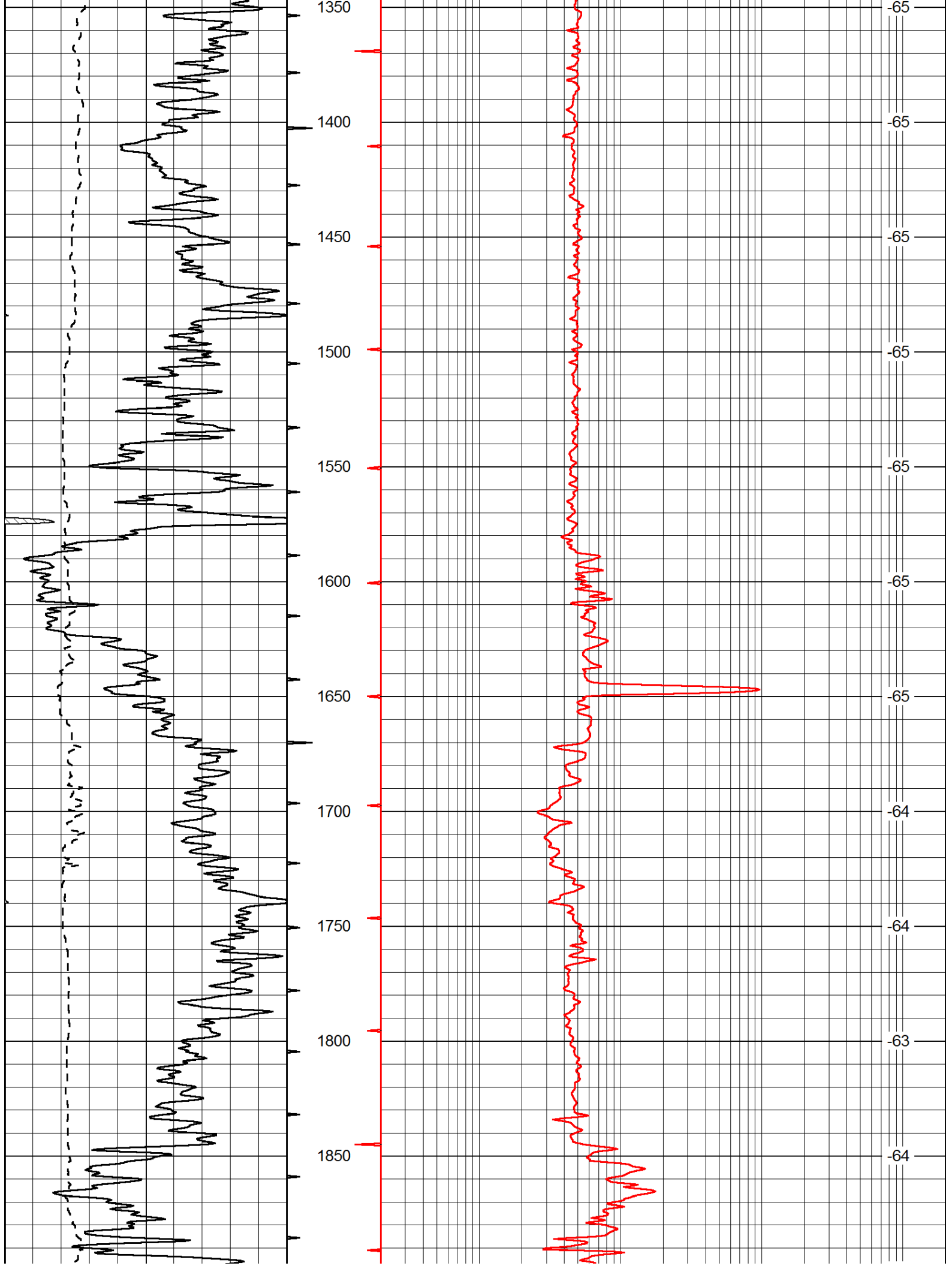
Bird City, 17 North on Highway 61 to State Line (EE Road), 3 East to Fork, Right at Fork 2 1/2 miles,
North Into (1 1/2 miles)

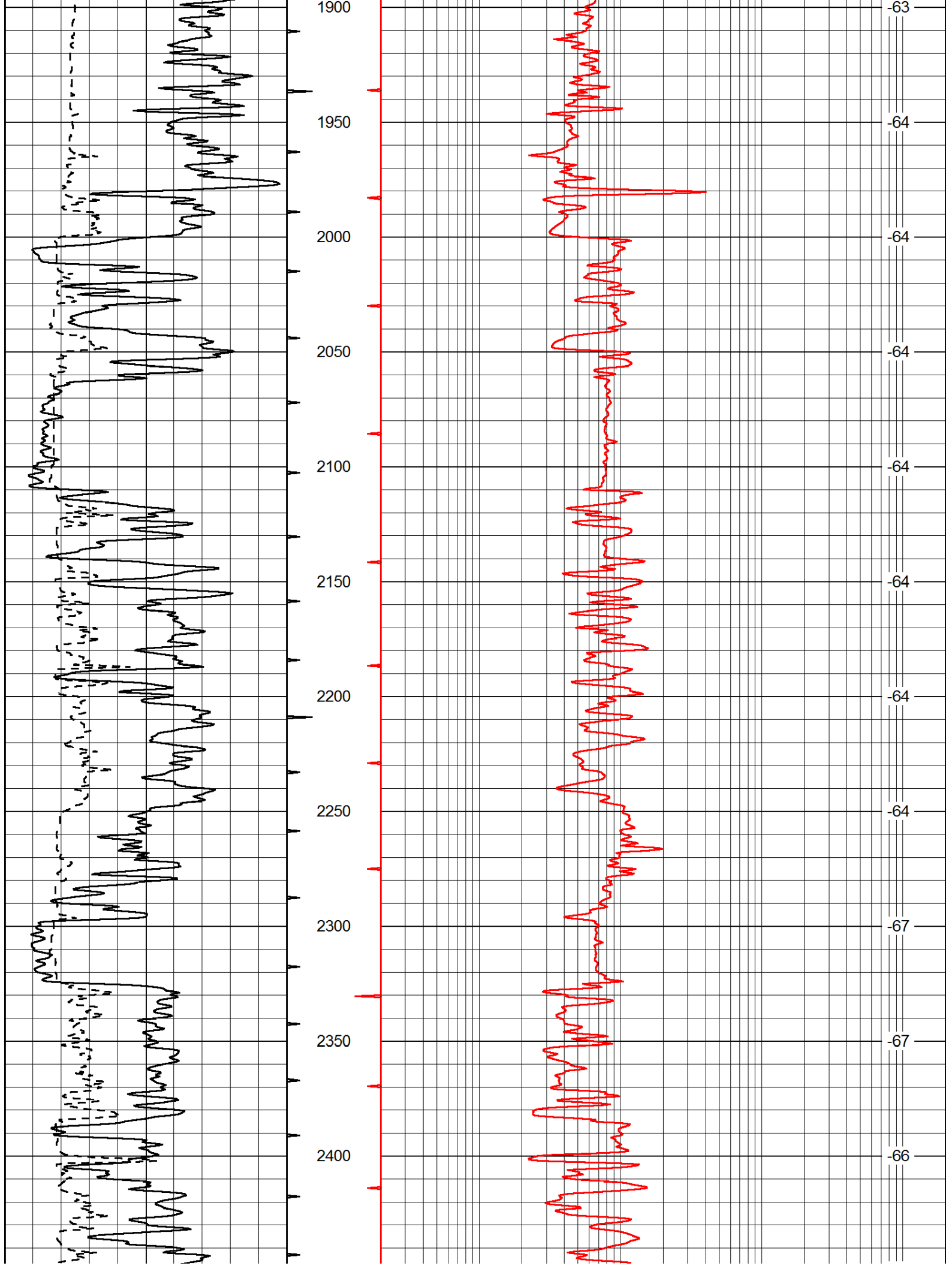
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Dataset Pathname: rag/berrag
Presentation Format: rag2in
Dataset Creation: Sun Sep 09 09:26:01 2012
Charted by: Depth in Feet scaled 1:600

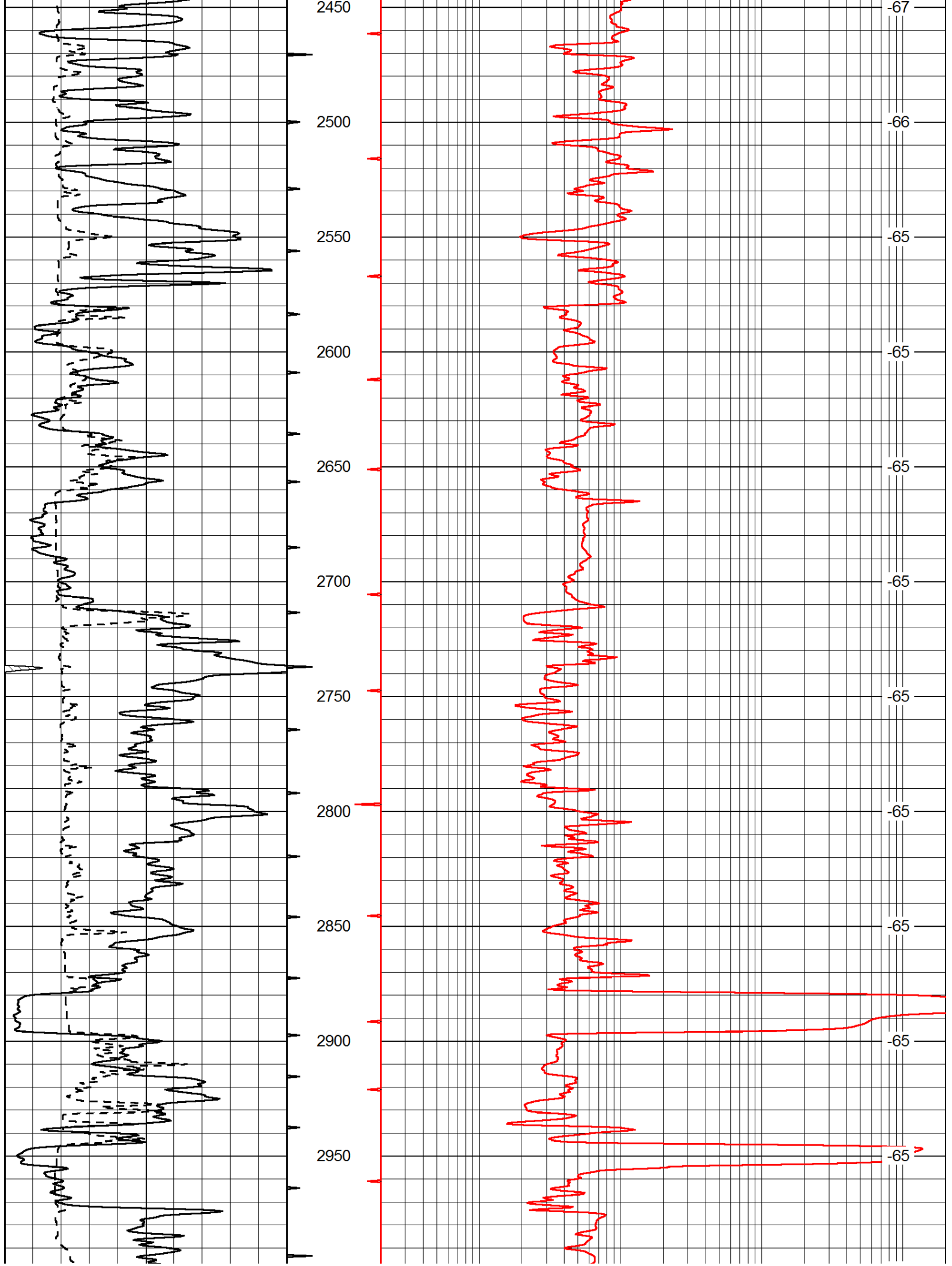
Charted by: Depth in feet scaled 1:600									
0	Gamma Ray		150	0.2		lgrd		2000	
6	scal		16						LSPD

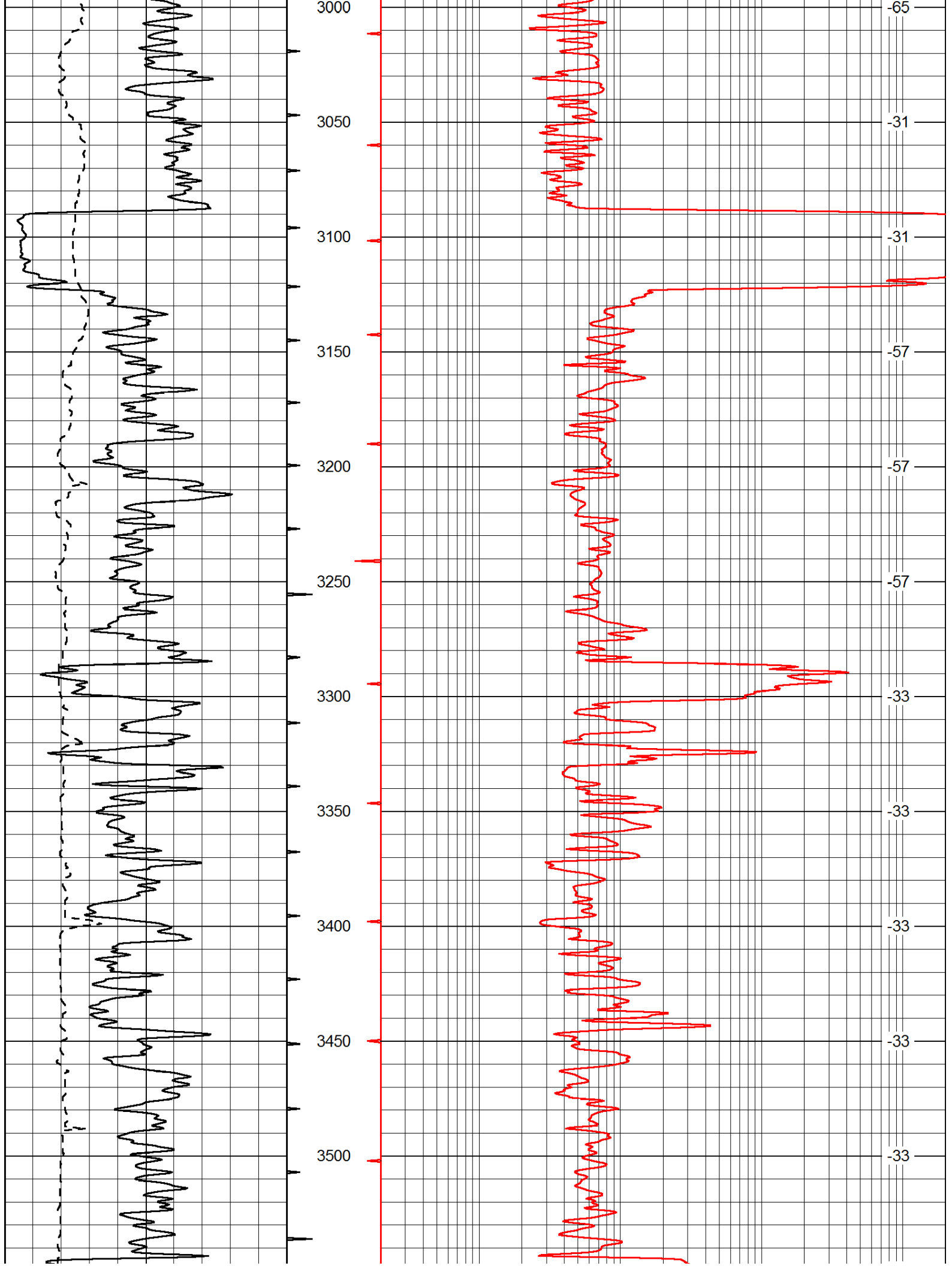


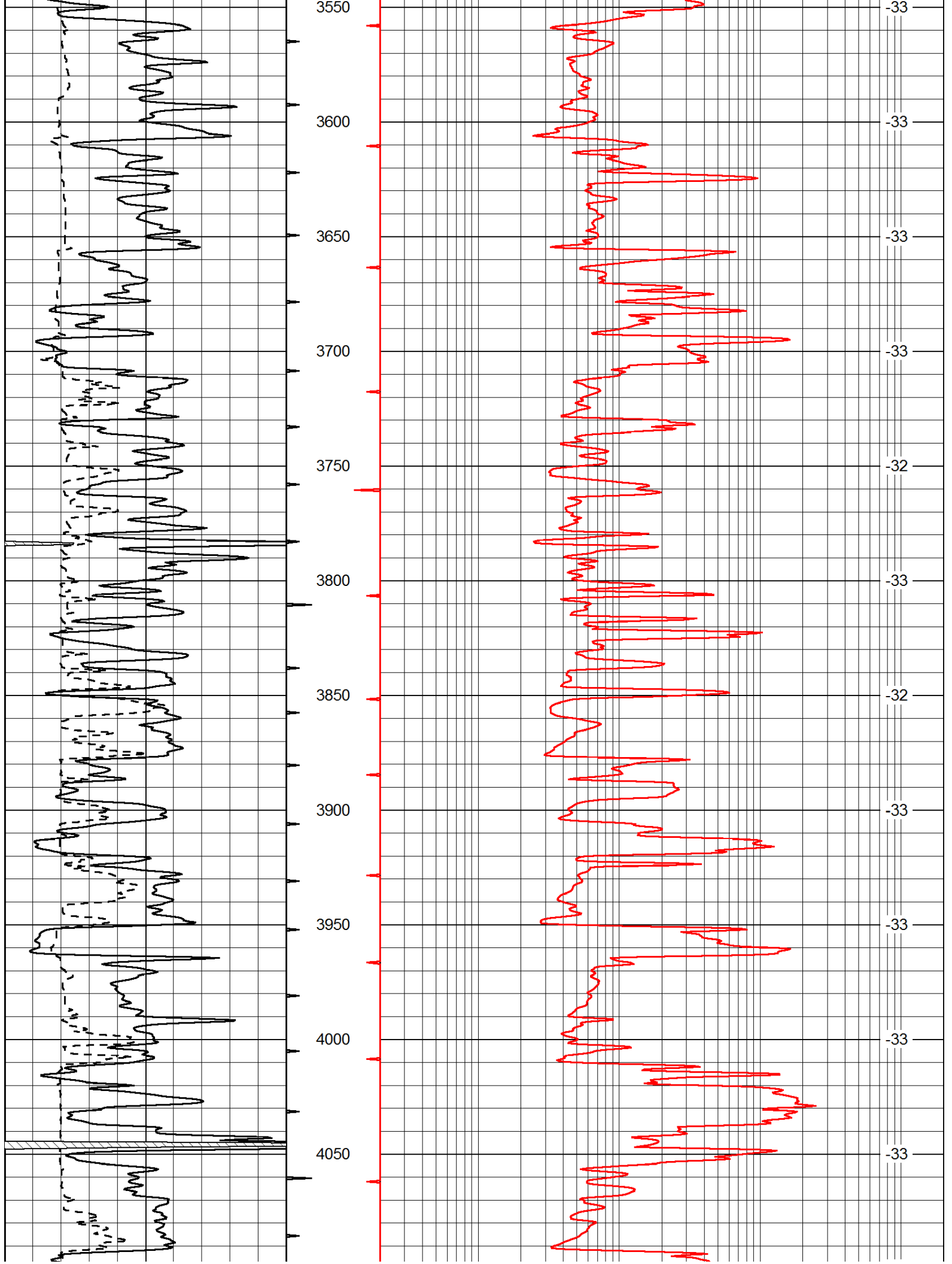


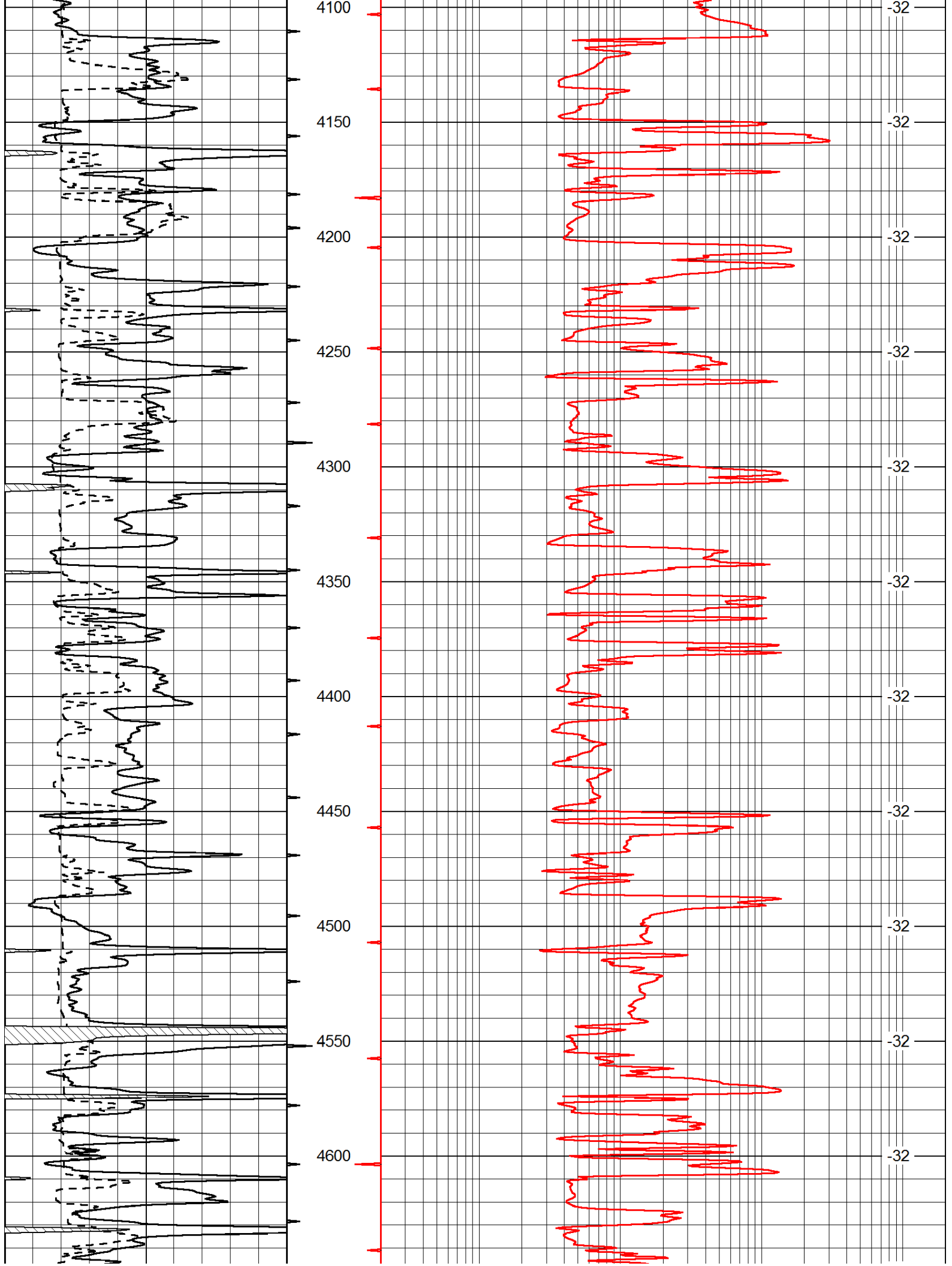


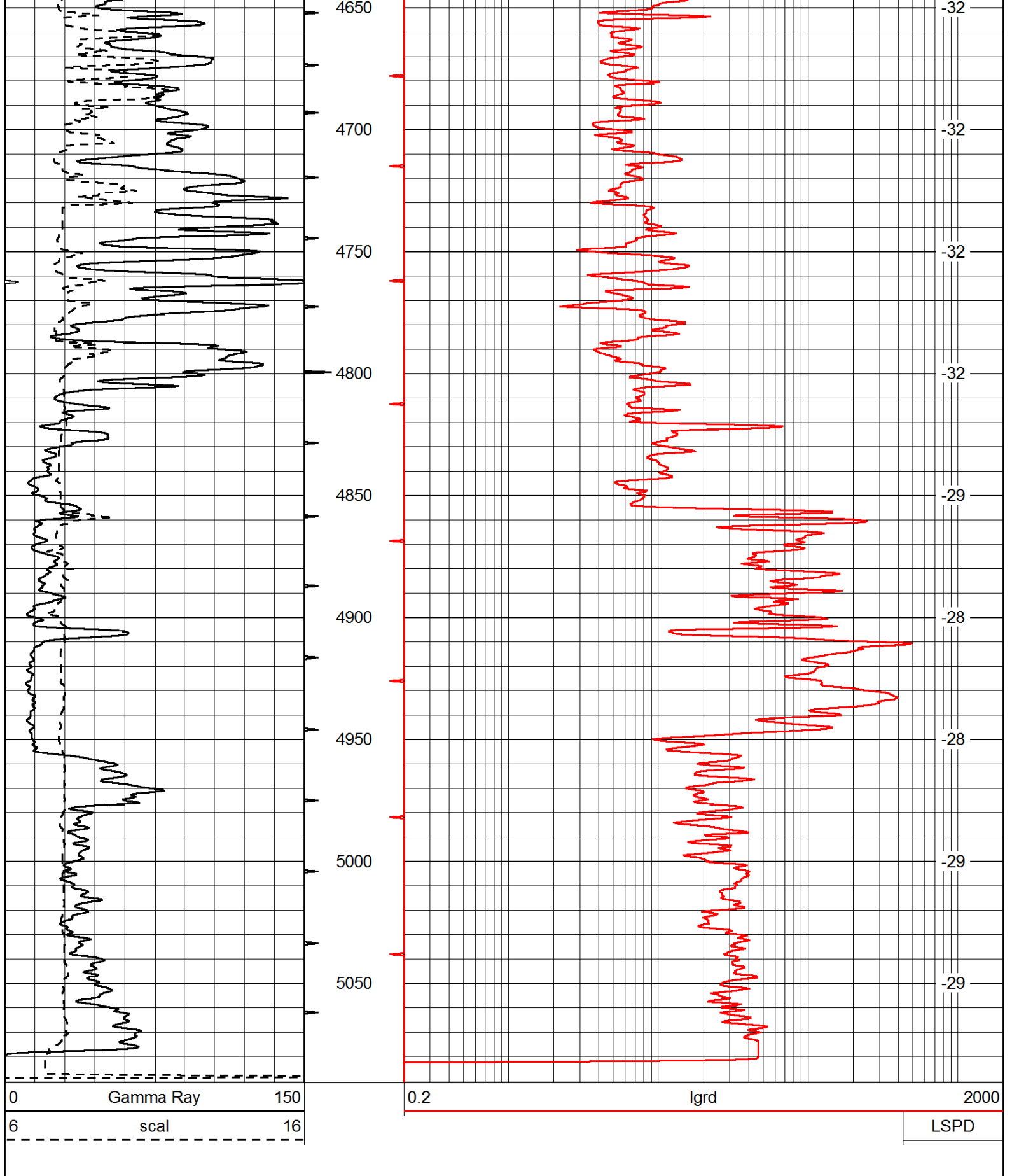










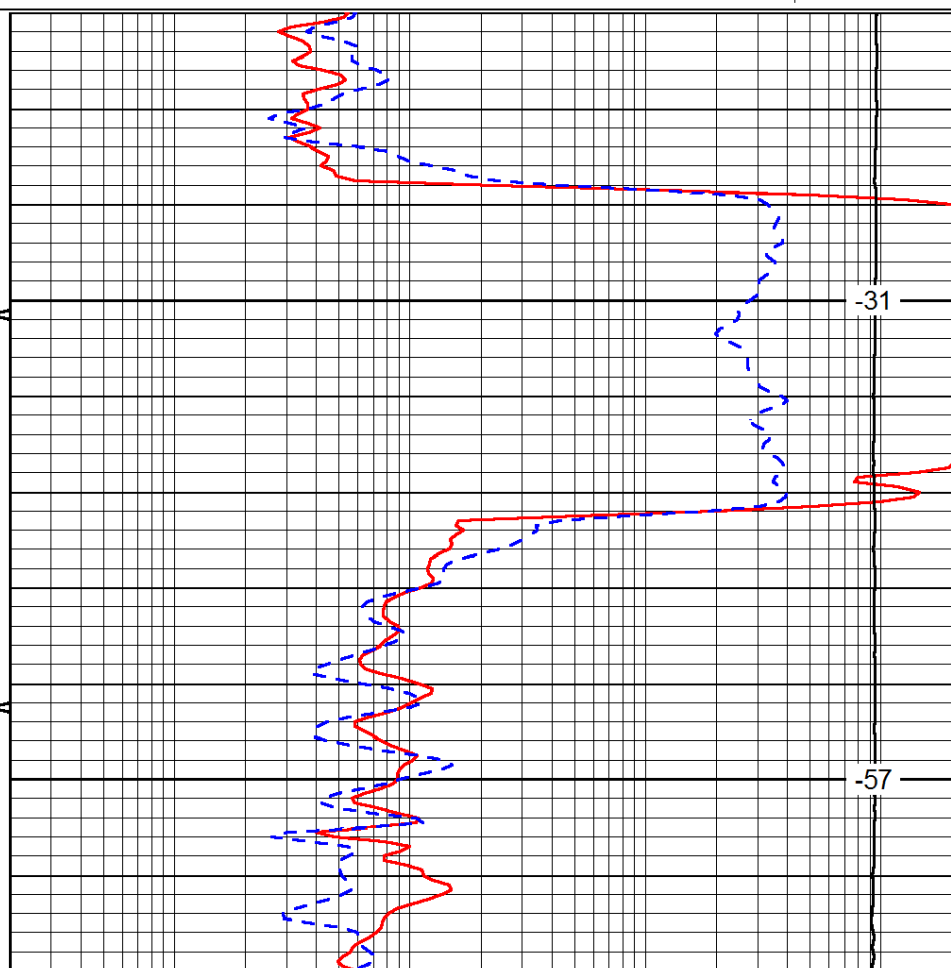
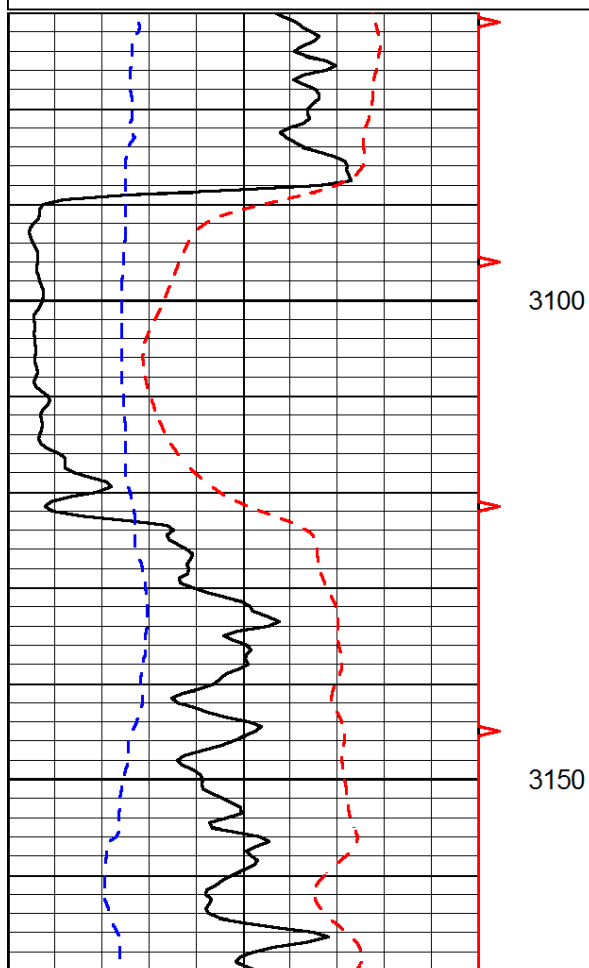


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Dataset Pathname: rag/berrag
Presentation Format: rag
Dataset Creation: Sun Sep 09 09:26:01 2012
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper	16
-200	SP (mV)	0

0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

LSPD



0	Gamma Ray	150
6	Caliper	16
-200	SP (mV)	0

0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

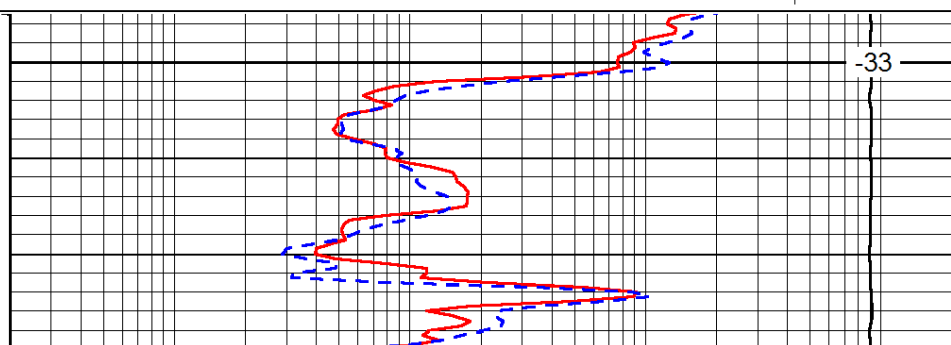
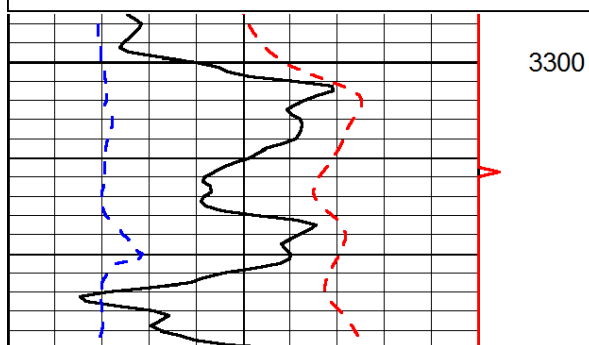
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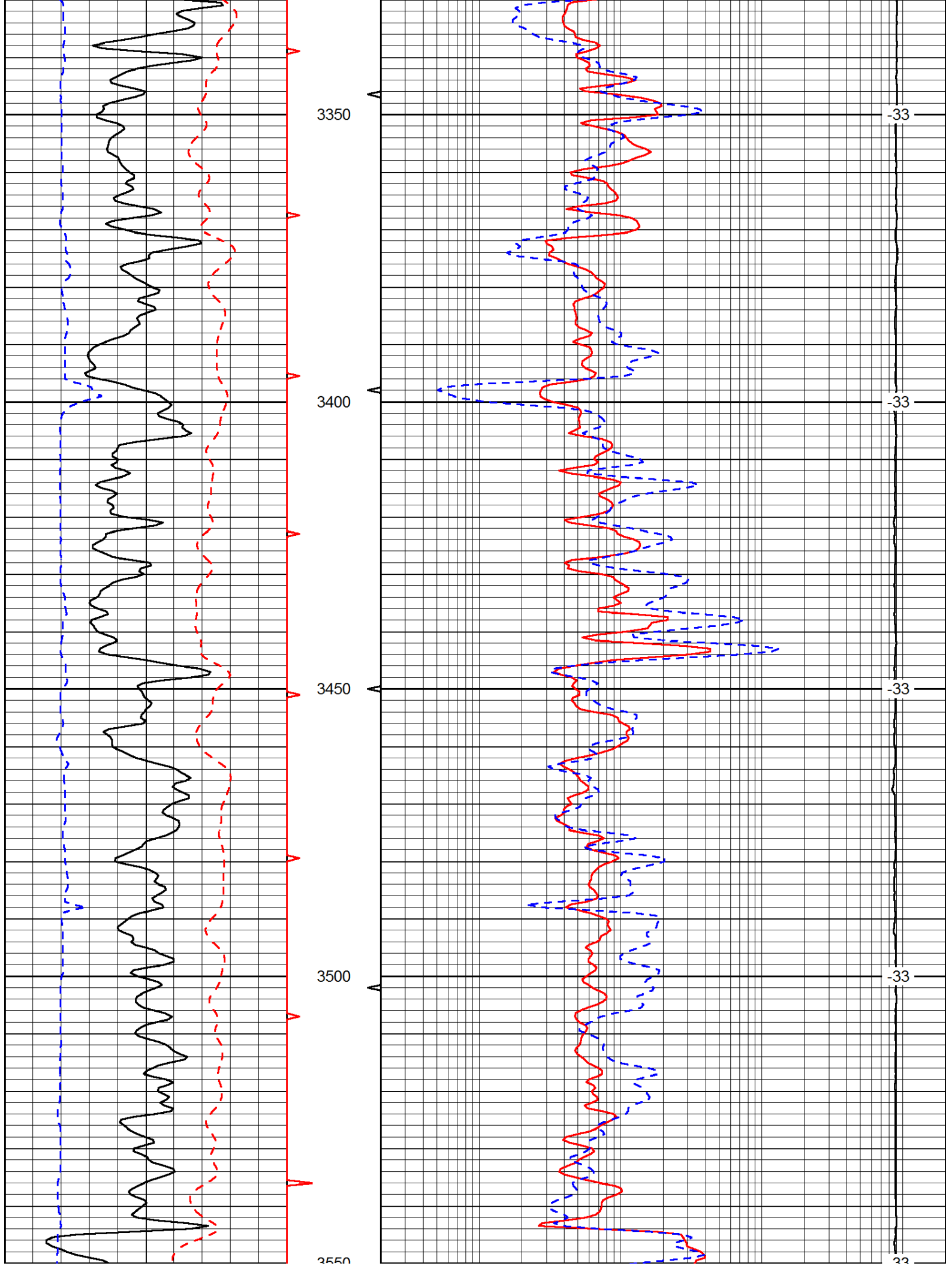
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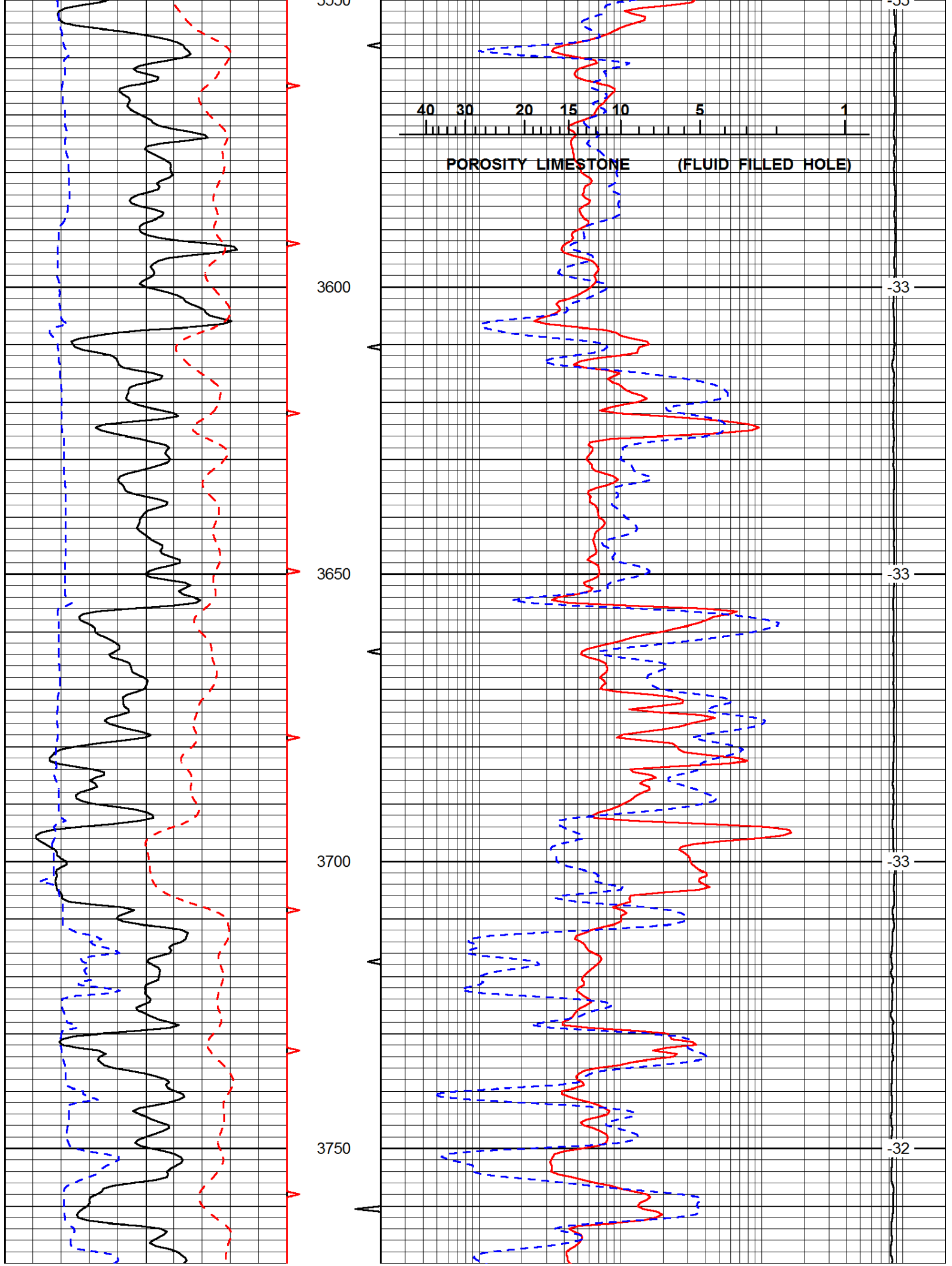
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6	Caliper	16
-200	SP (mV)	0

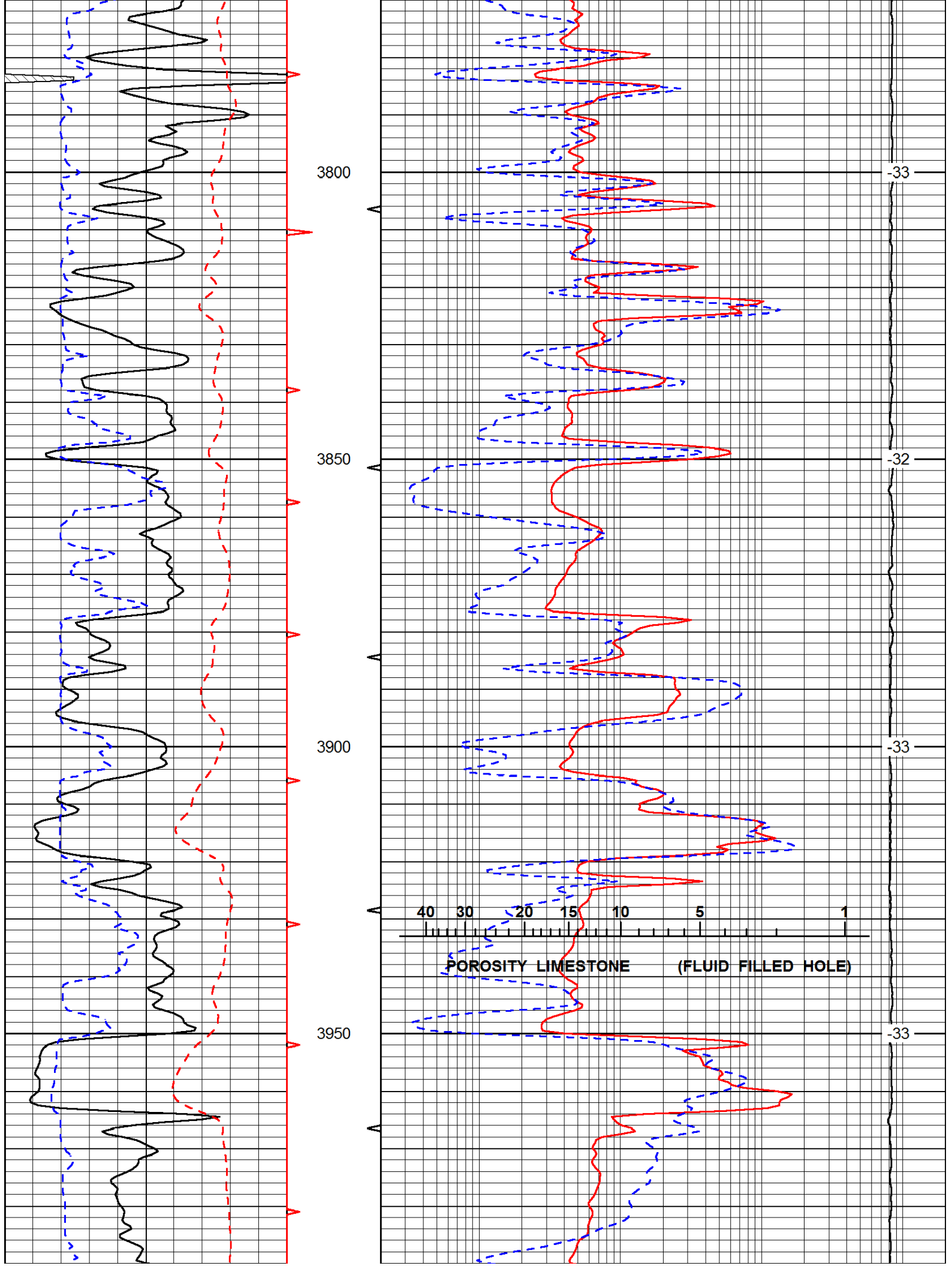
0.2	Long Guard	2000
560	Neutron	2160
15000	Line Tension	0

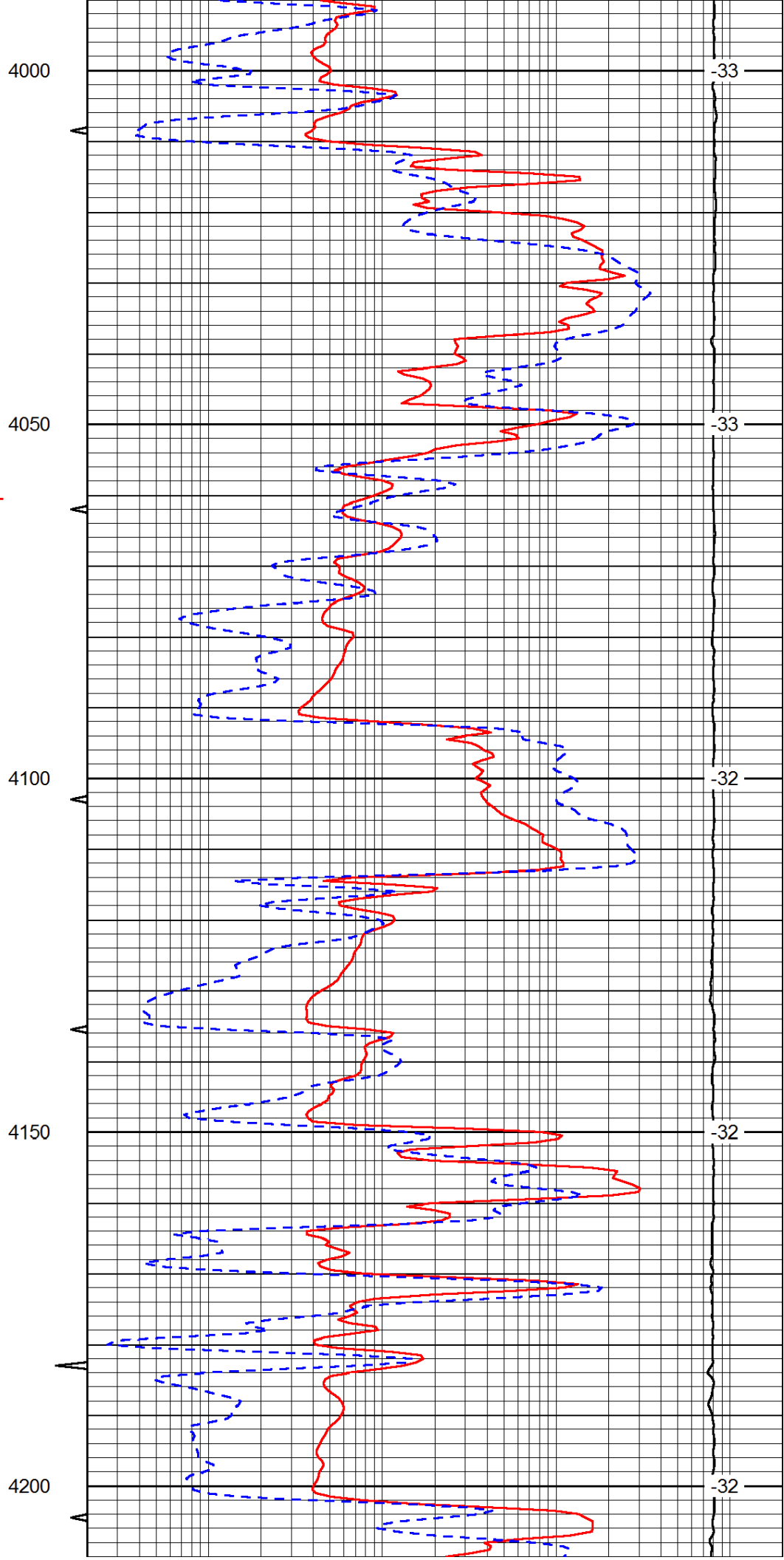
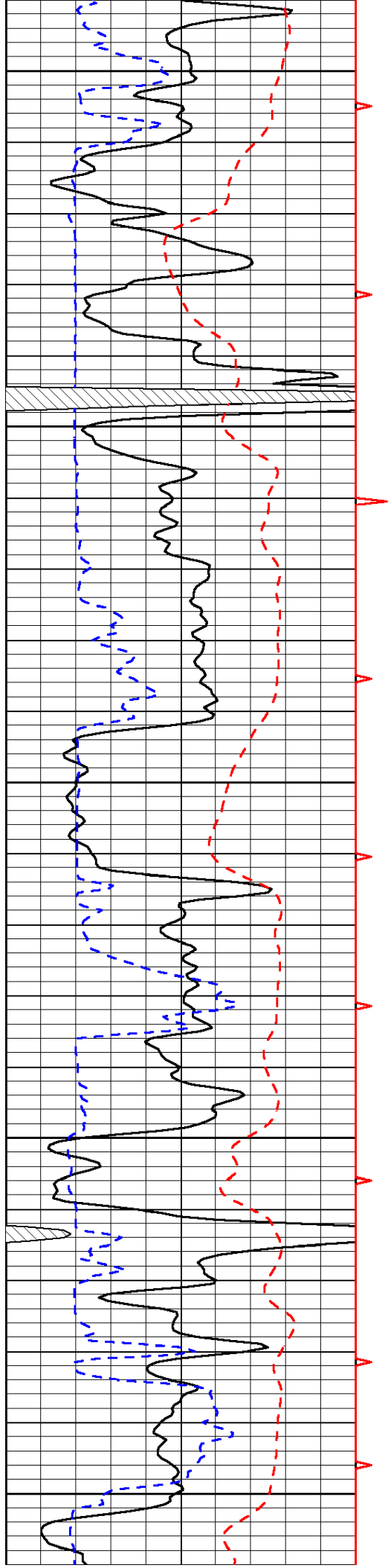
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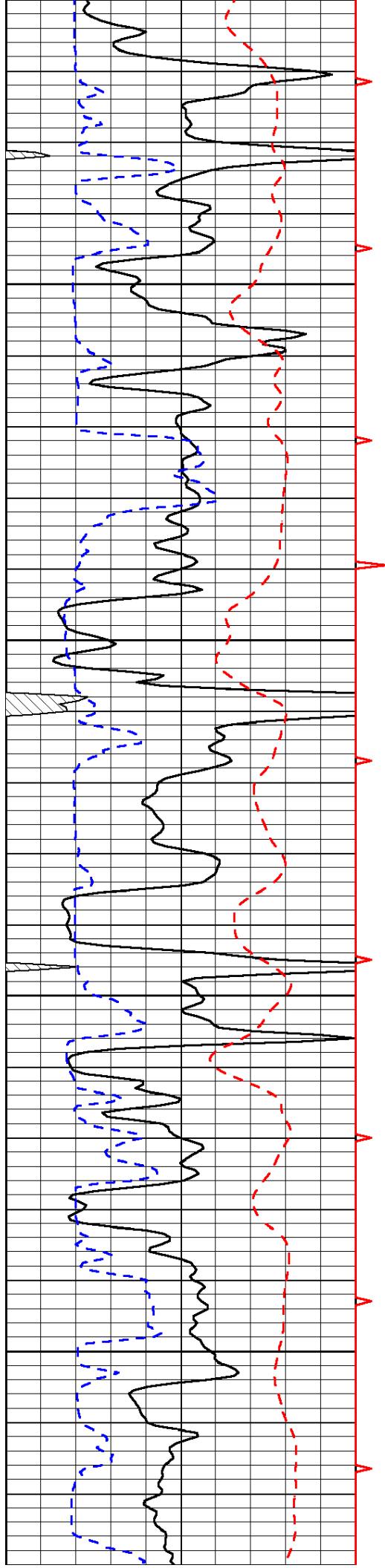










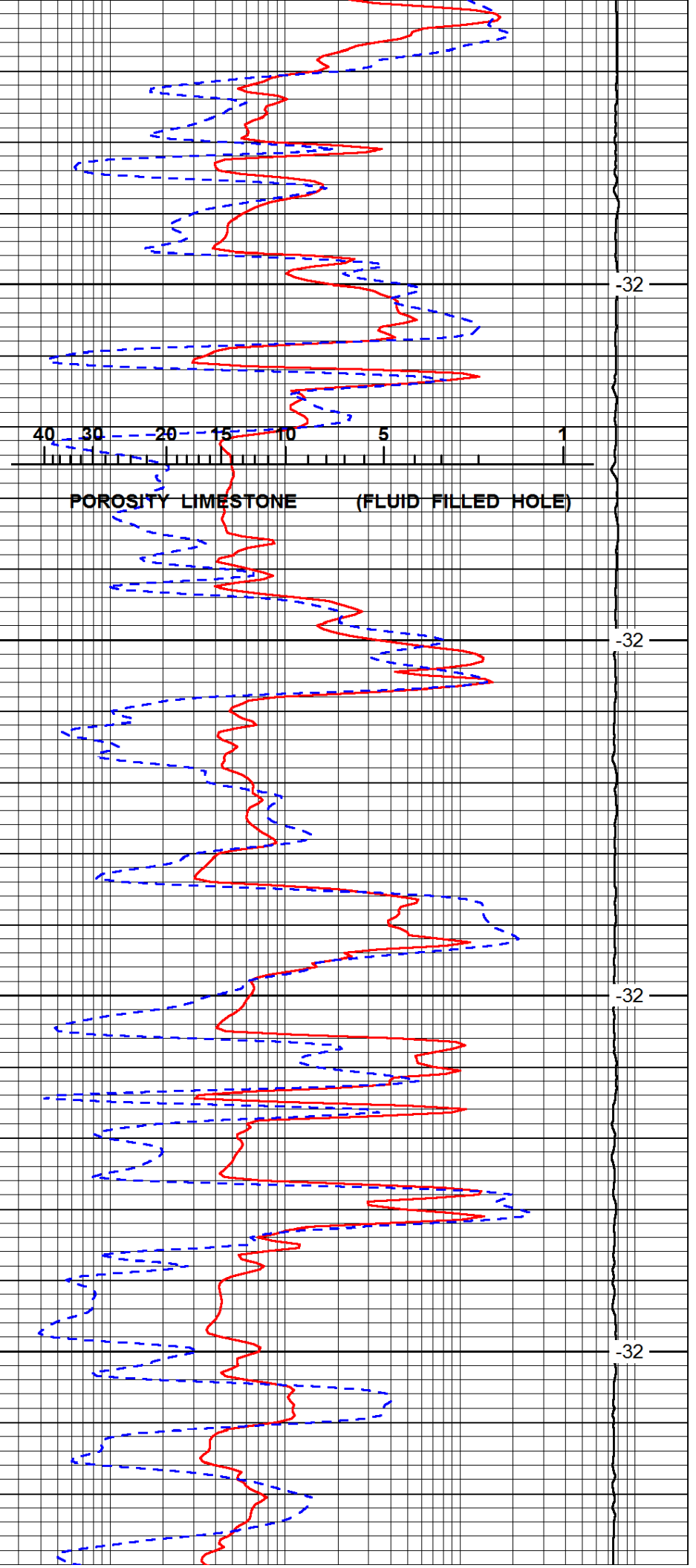


4250

4300

4350

4400



40

30

20

15

10

5

1

POROSITY LIMESTONE

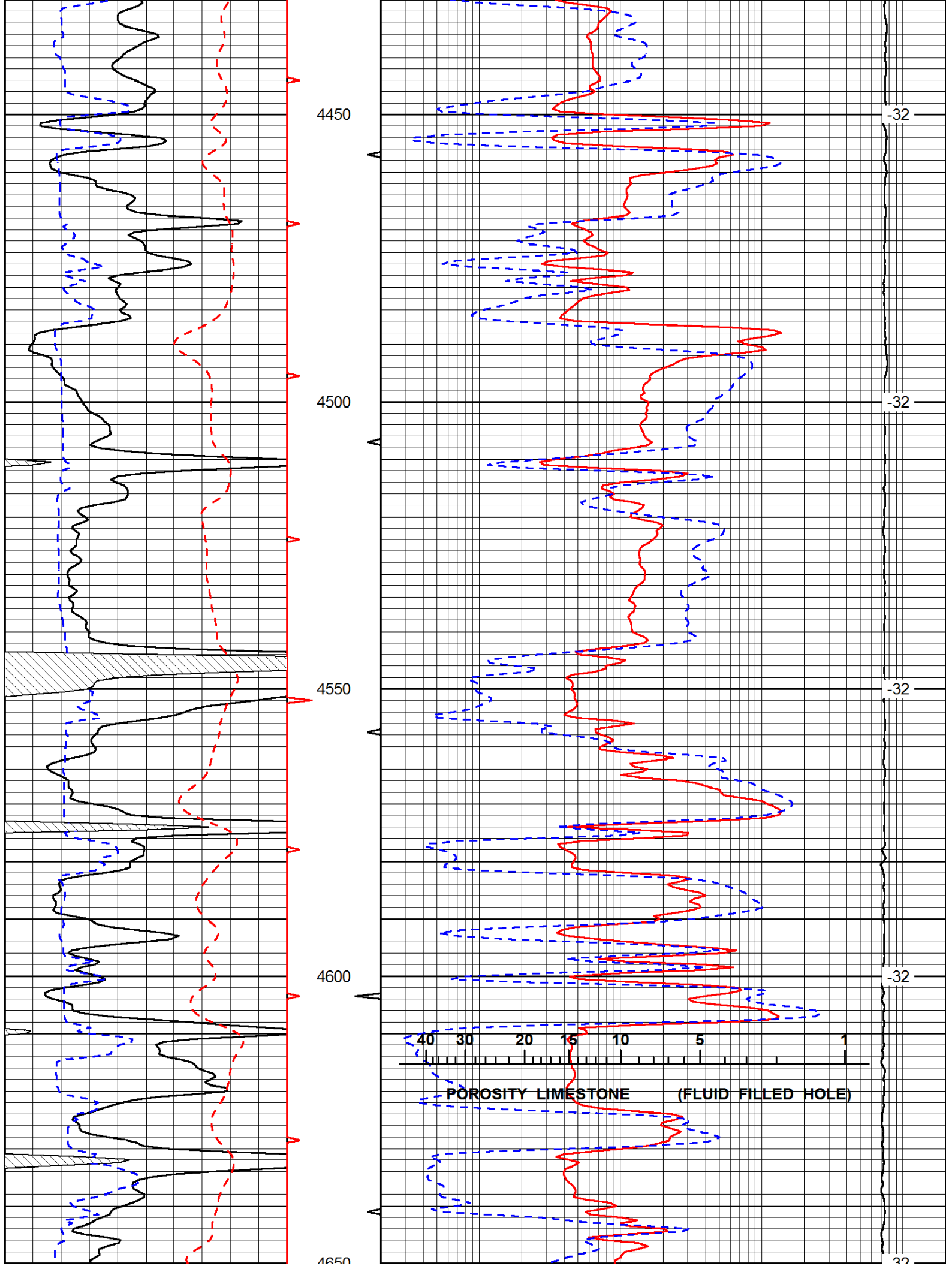
(FLUID FILLED HOLE)

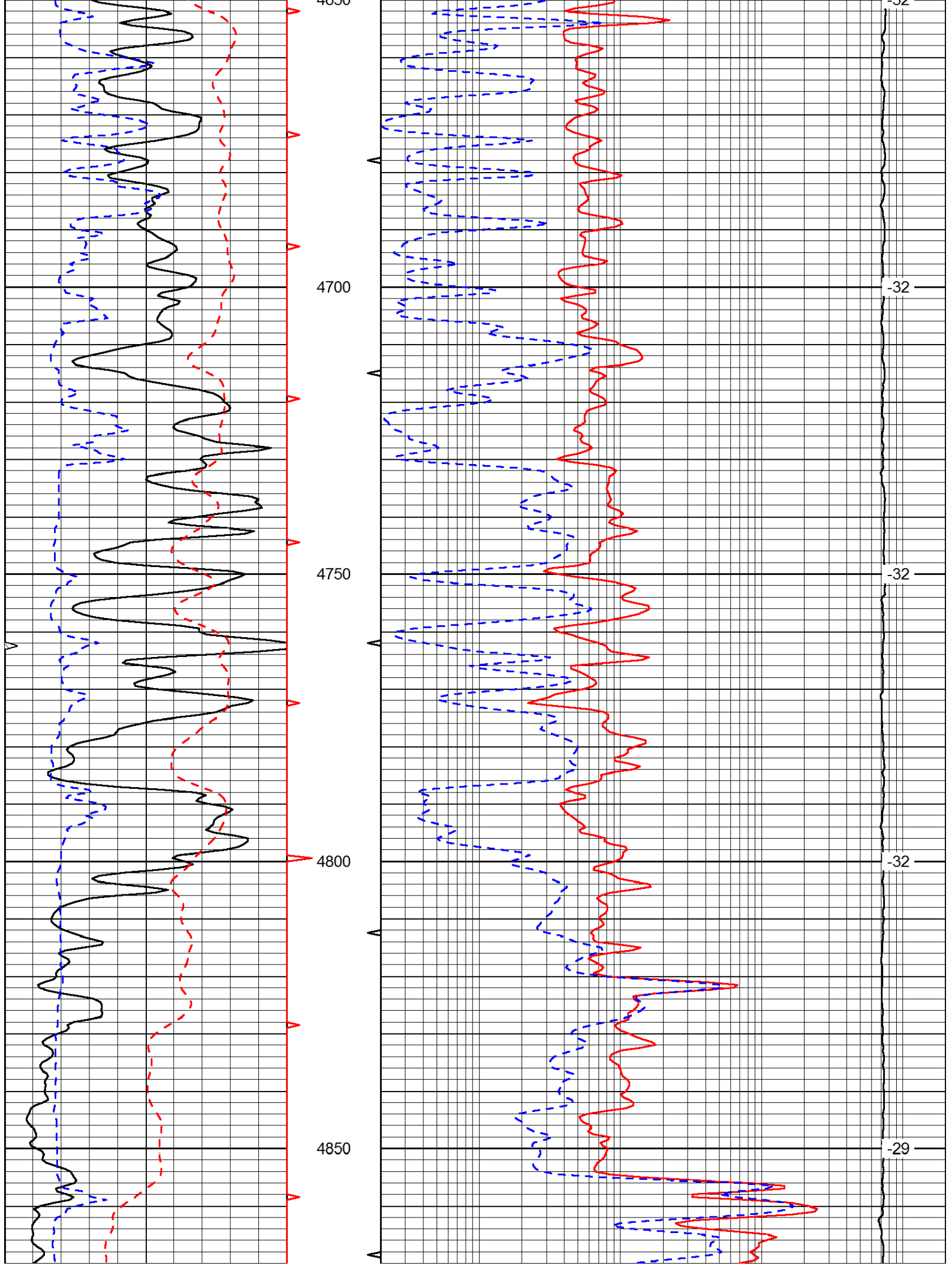
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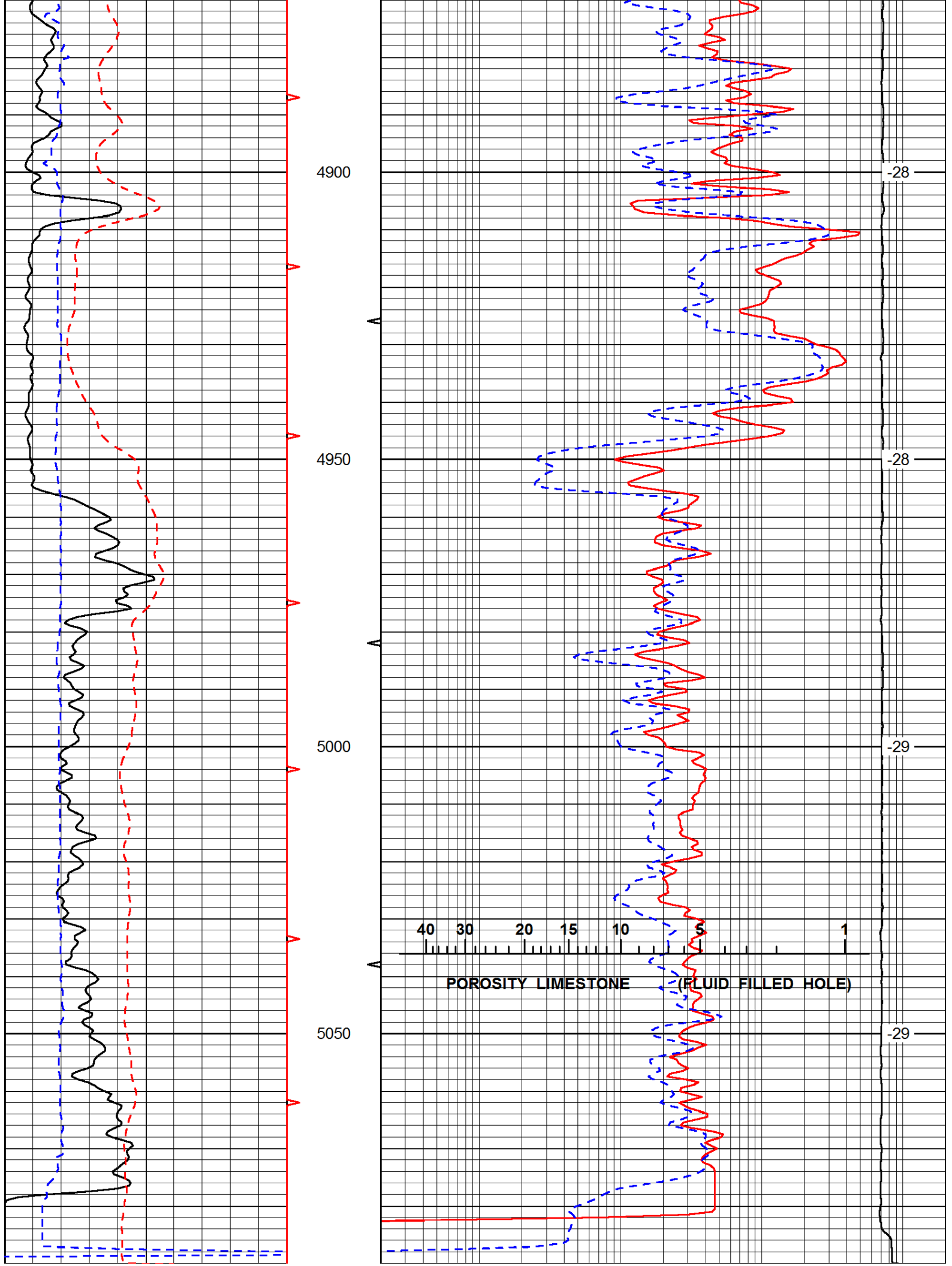
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-32

-32







0	Gamma Ray	150	0.2	Long Guard	2000
6	Caliper	16	560	Neuton	2160
-200	SP (mV)	0	15000	Line Tension	0
					LSPD