PIONEER

Pioneer Energy Services

Microresistivity Log

API No. 15-065-24,052-00-00

Company Anderson Exploration, LLC.

Well Knoll 26-1

Field Ambrose Southeast

County Graham State Kansas

Location 2310' FNL &1950' FWL

Sec: 26 Twp: 10s Rge: 25w

Other Services
CNL/CDL
DIL

Elevation
K.B. 2518
D.F.
G.L. 2513

Permanent Datum Ground Level Elevation 2513
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	10/10/2014			
Run Number	Two			
Depth Driller	4350			
Depth Logger	4355			
Bottom Logged Interval	4354			
Top Log Interval	3600			
Casing Driller	8.625 @ 213			
Casing Logger	212			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	3100			
Density / Viscosity	9.6 | 47			
pH / Fluid Loss	8.0 | 10.0			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.35 @ 68			
Rmf @ Meas. Temp	1.01 @ 68			
Rmc @ Meas. Temp	1.82 @ 68			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.77 @ 120			
Operating Rig Time	4 Hours			
Max. Rec. Temp. F	120			
Equipment Number	108			
Location	Hays			
Recorded By	D. Fischer	J. Long		
Witnessed By	Dean Anderson			

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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

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(785) 625-3858

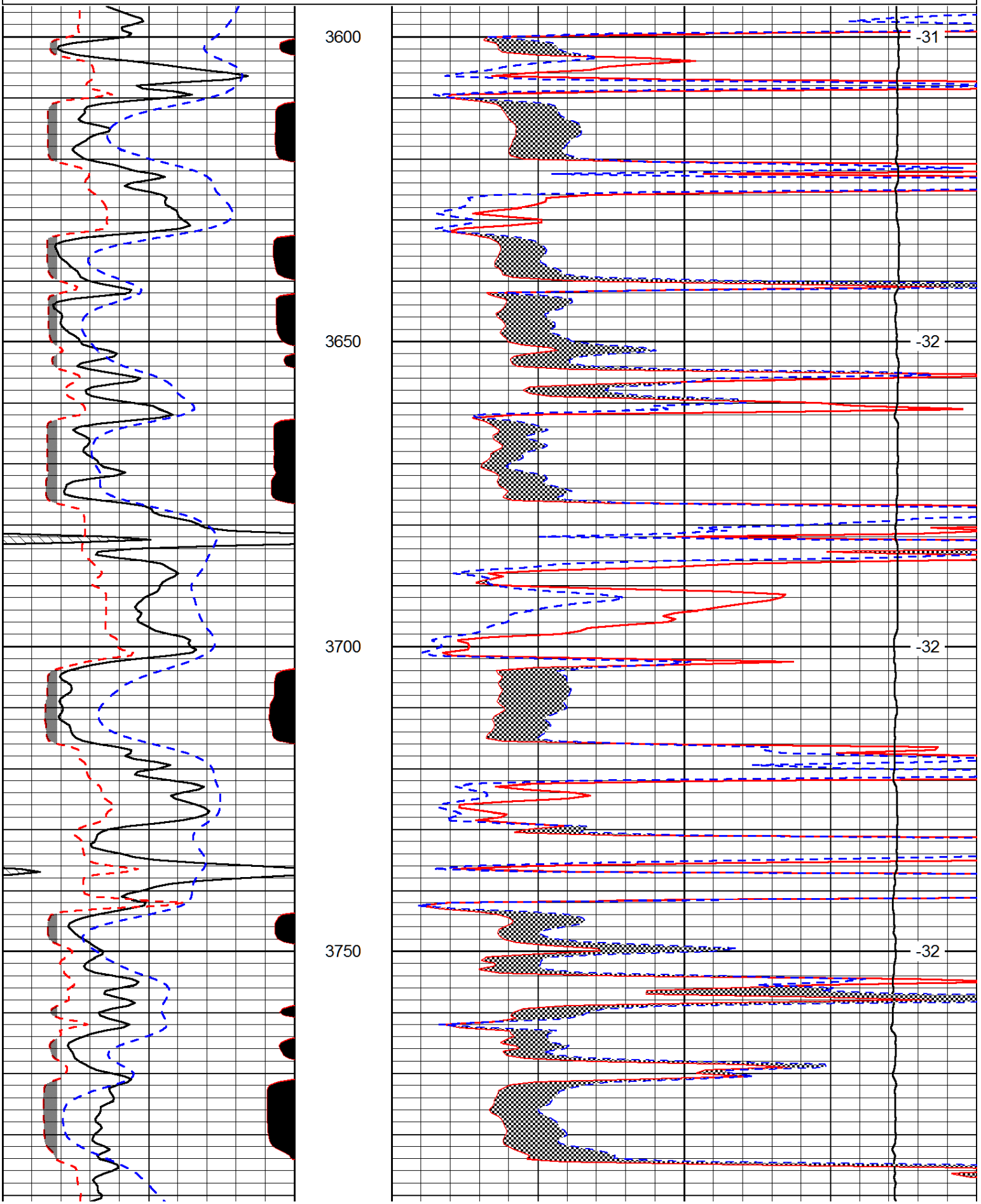
St. Peter Ks., 2 1/2 South, East Into.

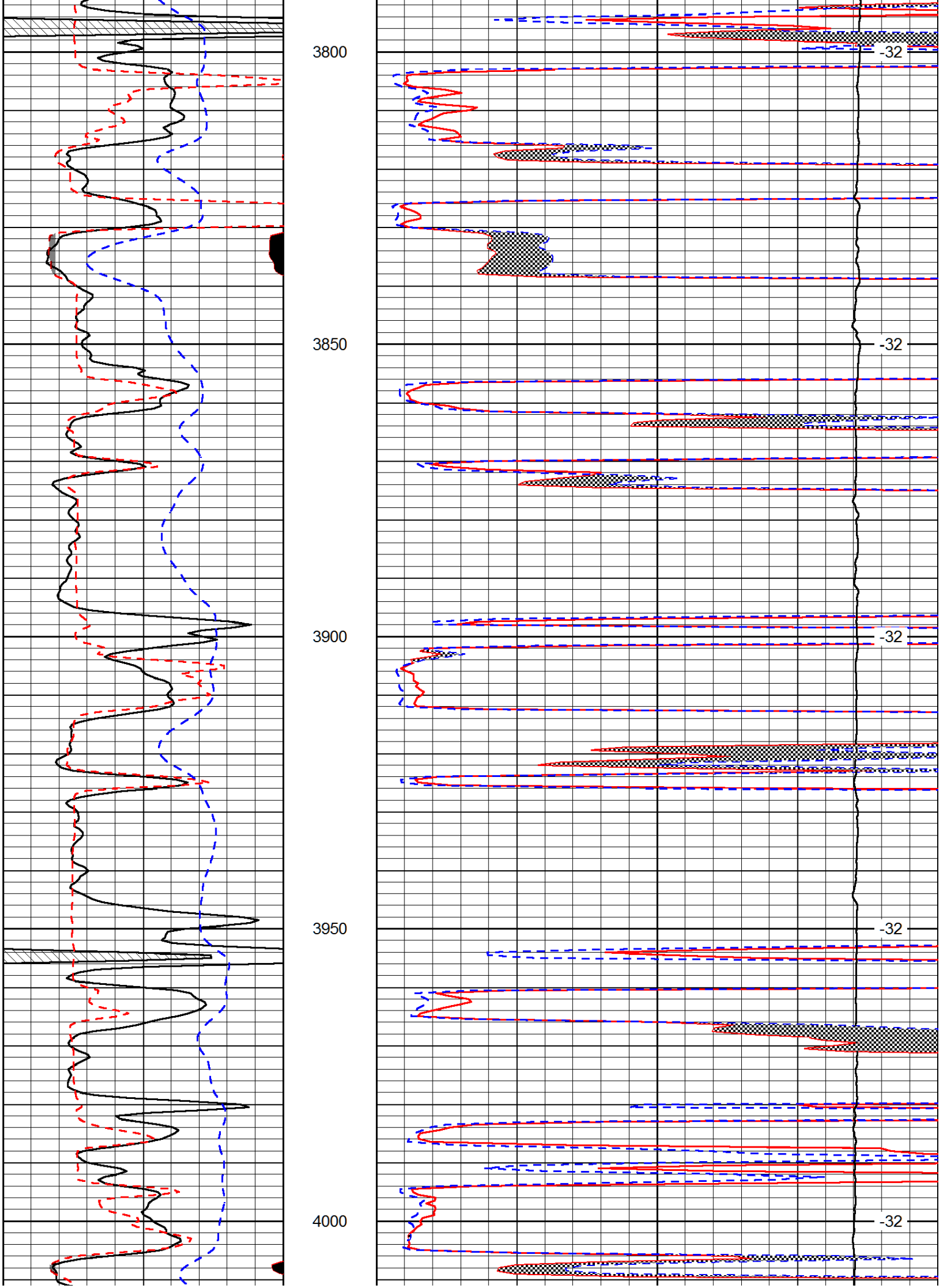
Database File:	anderson_exploration_knoll_26-1hd.db
Dataset Pathname:	DIL/andstck
Presentation Format:	micro
Dataset Creation:	Fri Oct 10 20:24:21 2014
Charted by:	Depth in Feet scaled 1:240

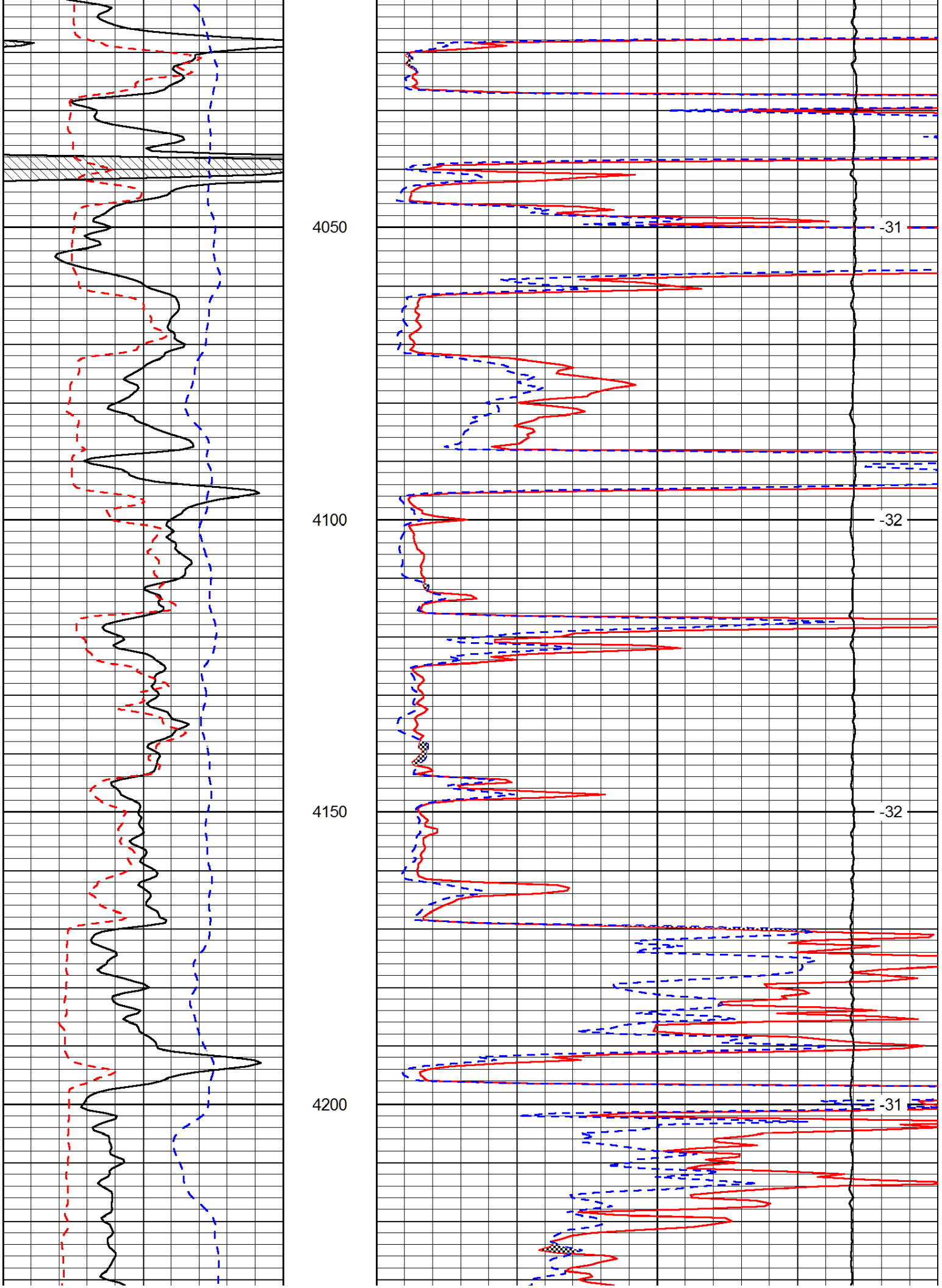
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

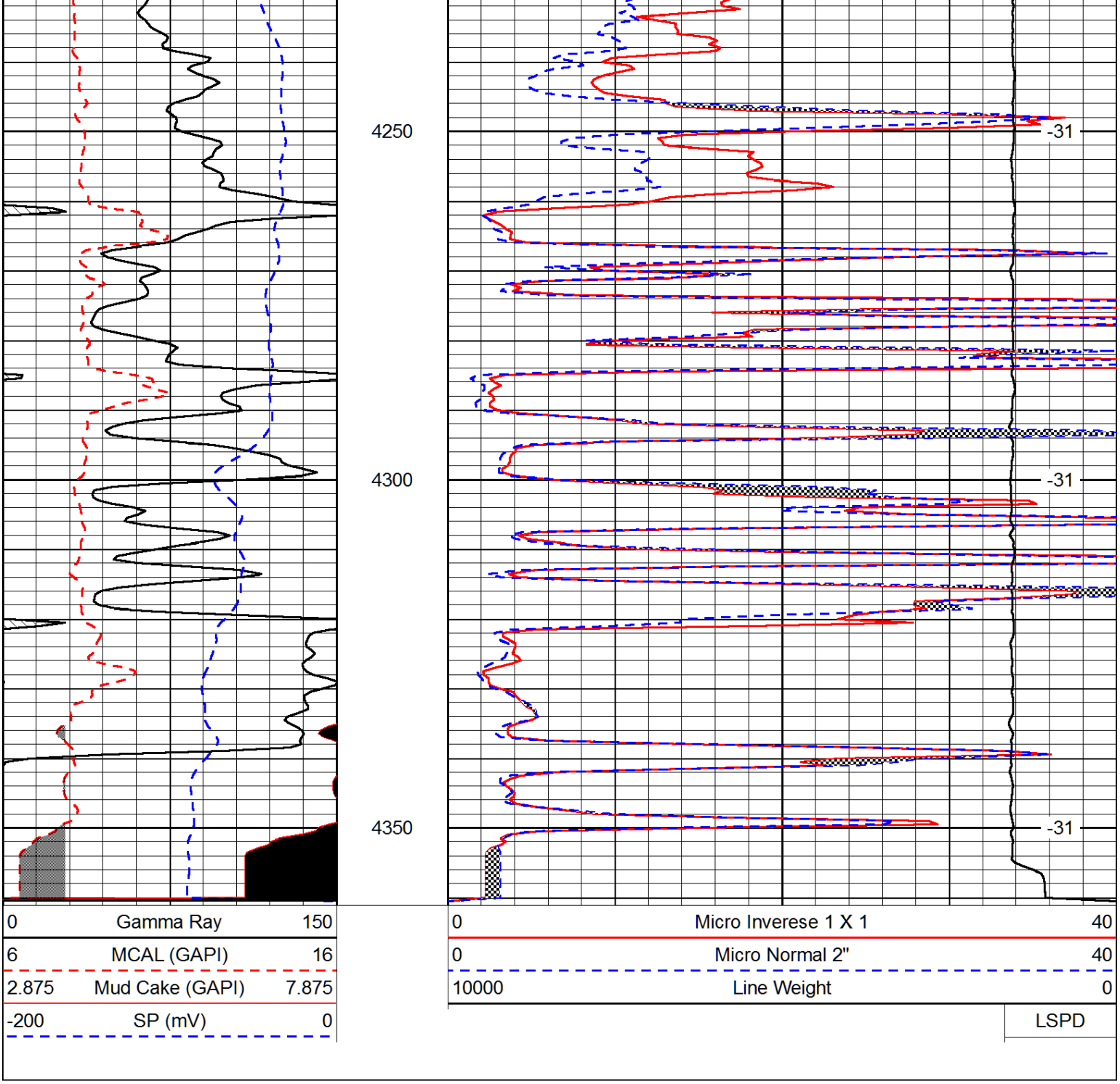
0	Micro Inverese 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD




3800
3850
3900
3950
4000
-32
-32
-32
-32
-32


4050
4100
4150
4200
-31
-32
-32
-31



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