PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-193-20,879-00-00

Company A&A Production

Well Urban No. 3

Field Towns South

County Thomas State Kansas

Location S2 SE NE SE
1,350' FSL & 330' FEL

Sec: 28 Twp: 10S Rge: 34W

Other Services
DIL
MEL

Elevation
K.B. 3206
D.F.
G.L. 3201

Permanent Datum	Ground Level	Elevation 3201
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Date	1/13/2013		
Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4715		
Depth Logger	4716		
Bottom Logged Interval	4695		
Top Logged Interval	4050		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	10000		
Density	9.2		
Level	Full		
Max. Rec. Temp. F	123		
Operating Rig Time	4 Hours		
Equipment -- Location	91	Hays	
Recorded By	J. Long		
Witnessed By	Andy Anderson		

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	224	8.625	24#	00	224
2	7.875	224	4715				

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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.pioneeres.com
785 625 3858

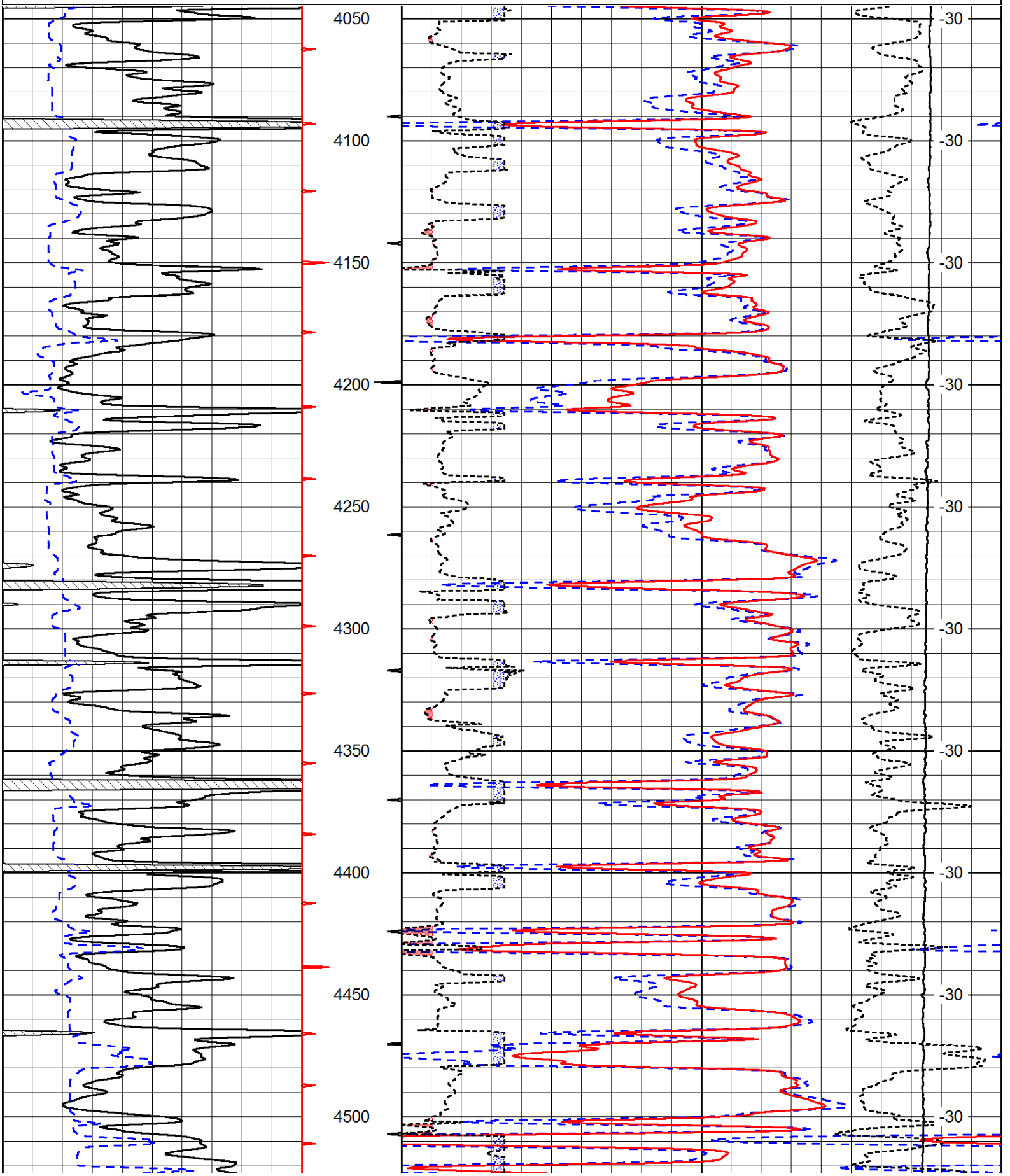
Monument, West to Highway 40 and Highway 25 Intersection, North to County Line, 4 West, 1 North, East Into

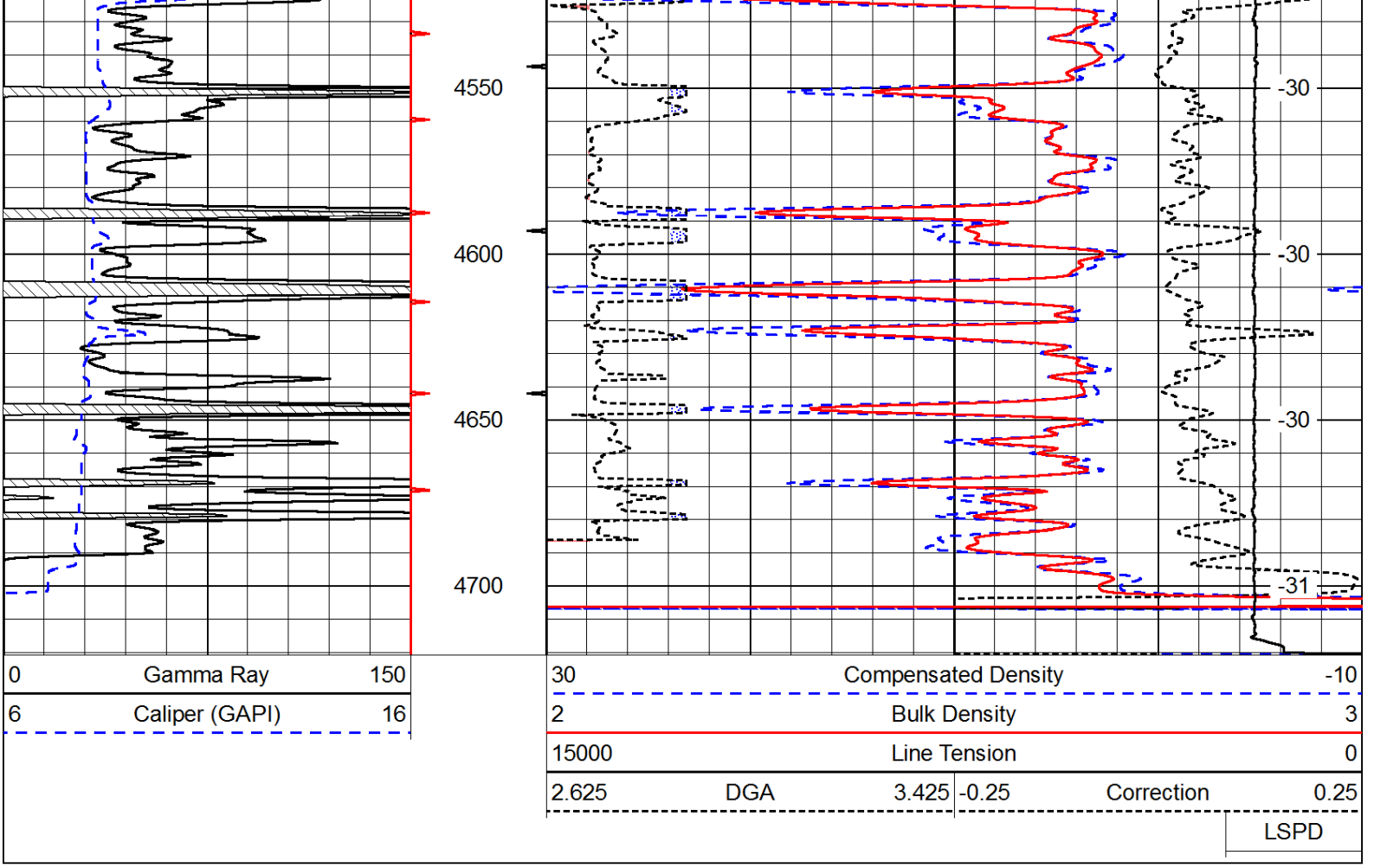
Database File: c:\warrior\data\a&a production_urban #3\a&a_urban_3hd.db
Dataset Pathname: dil/aastck
Presentation Format: cdl
Dataset Creation: Sun Jan 13 11:50:08 2013
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density				-10
2	Bulk Density				3
15000	Line Tension				0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD





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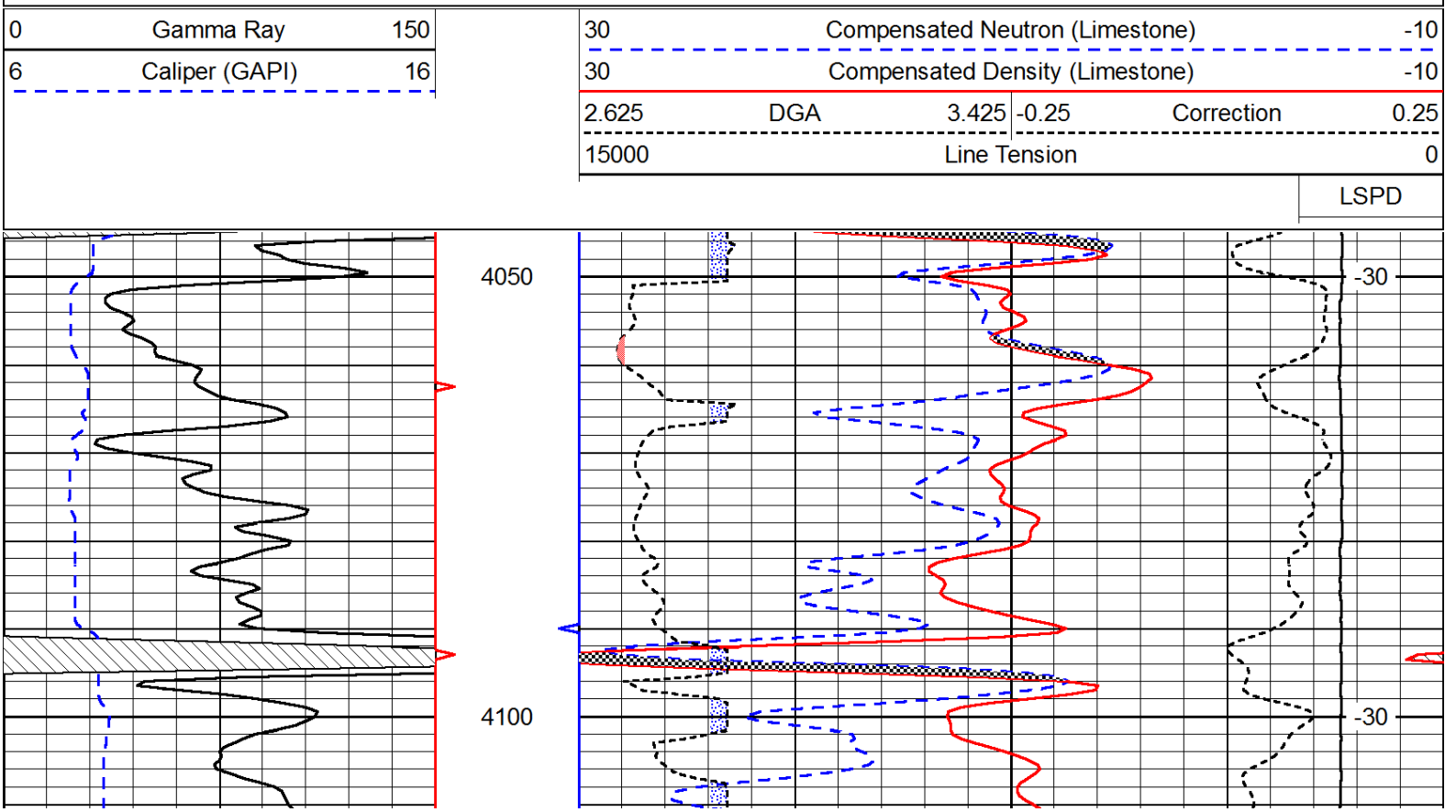
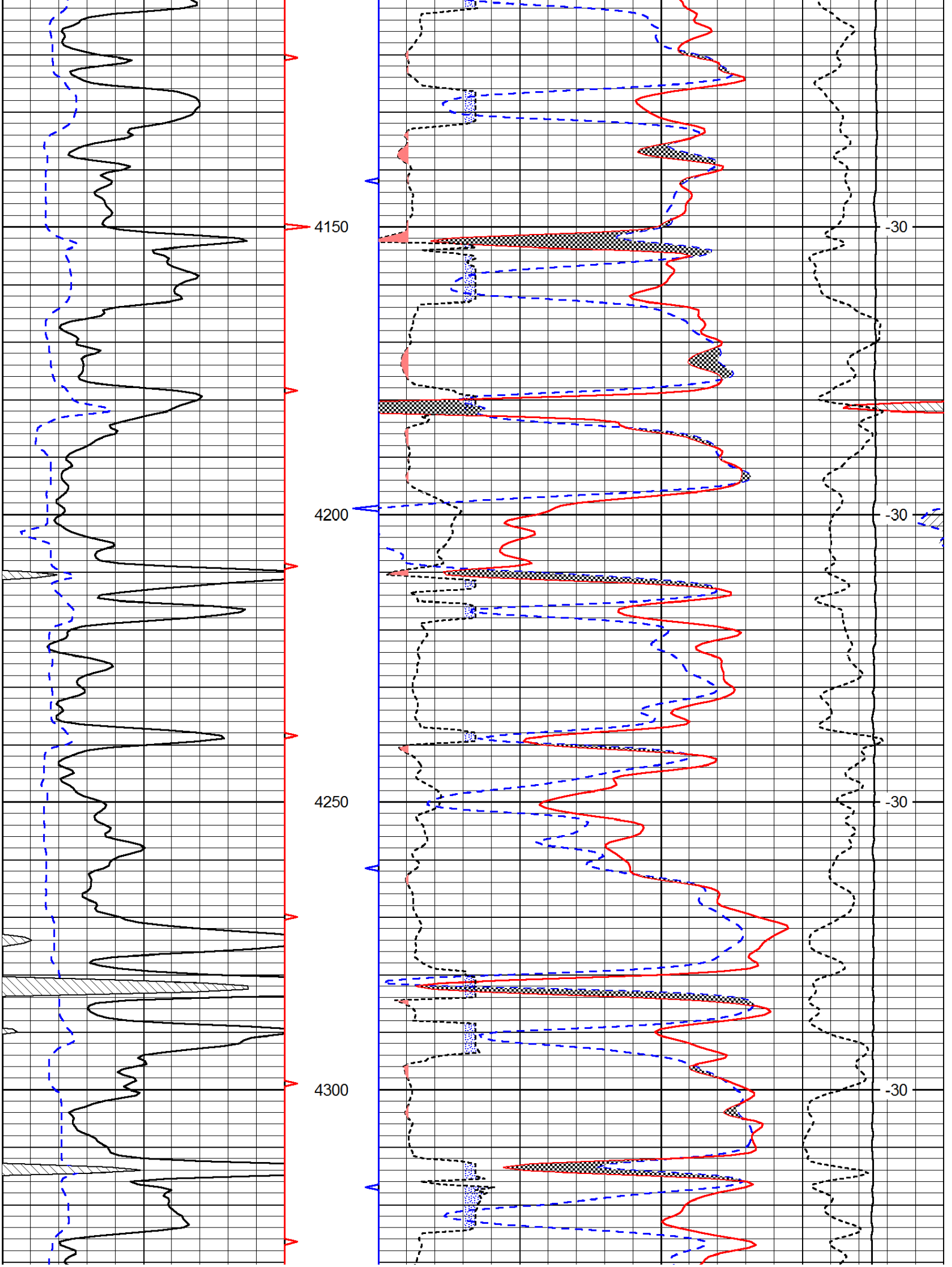
Dataset Pathname: dil/aastck
Presentation Format: cndlspec
Dataset Creation: Sun Jan 13 11:50:08 2013
Charted by: Depth in Feet scaled 1:240

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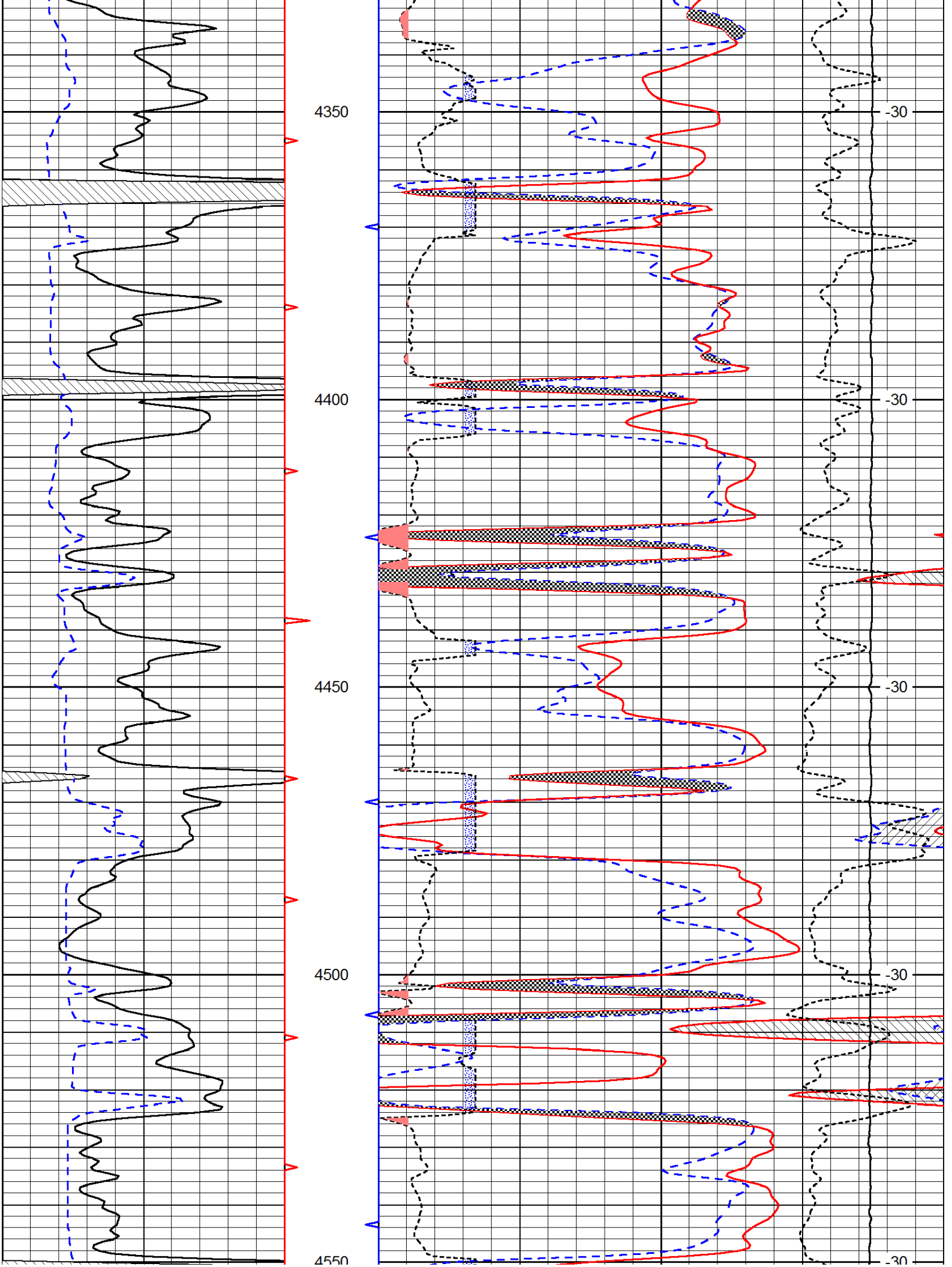
4250
4300
-30
-30
-30
-30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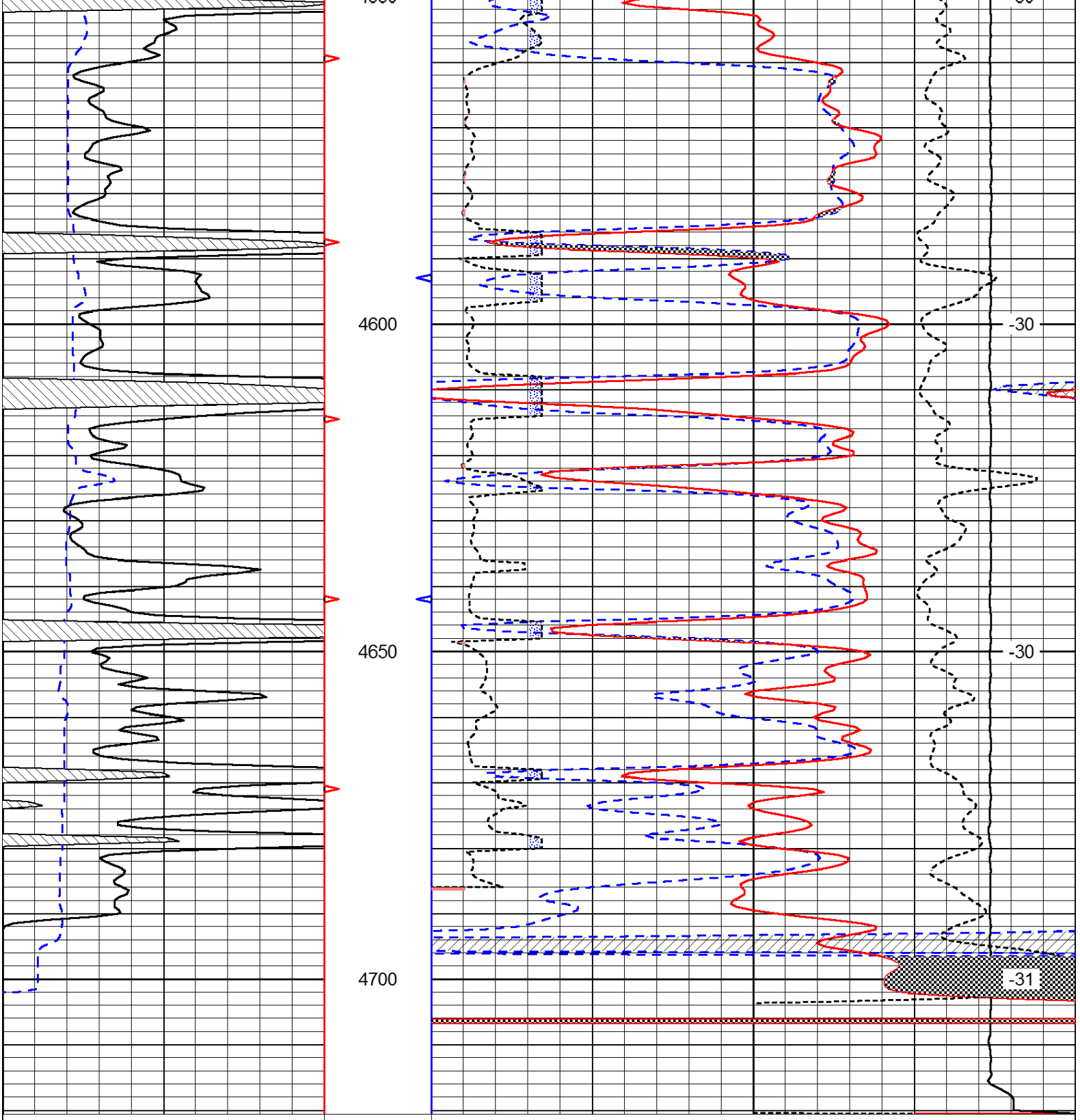

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)				-10
30	Compensated Density (Limestone)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension				0

LSPD