



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-163-23,813-00-00

Company Murfin Drilling Company, Inc.

Well M&A Unit No.1-32

Field Rooks

County Rooks State Kansas

Location 935' FNL & 2345' FEL

Sec: 32

Twp: 10S

Rge: 18W

Permanent Datum Ground Level Elevation 2043

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

K.B. 2048
D.F. 2043
G.L. 2043

Other Services
DIL
MEL/BHCS

Date 7/13/2009

Run Number One

Type Log CNL / CDL

Depth Driller 3730

Depth Logger 3726

Bottom Logged Interval 3705

Top Logged Interval 2900

Type Fluid In Hole Chemical

Salinity, PPM CL 6,900

Density 9.1

Level Full

Max. Rec. Temp. F 115

Operating Rig Time 4 Hours

Equipment -- Location 17 Hays

Recorded By C. Desaire

Witnessed By Rocky Milford

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	218	8.625	24#	00	218
2	7.875	218	3730				

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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

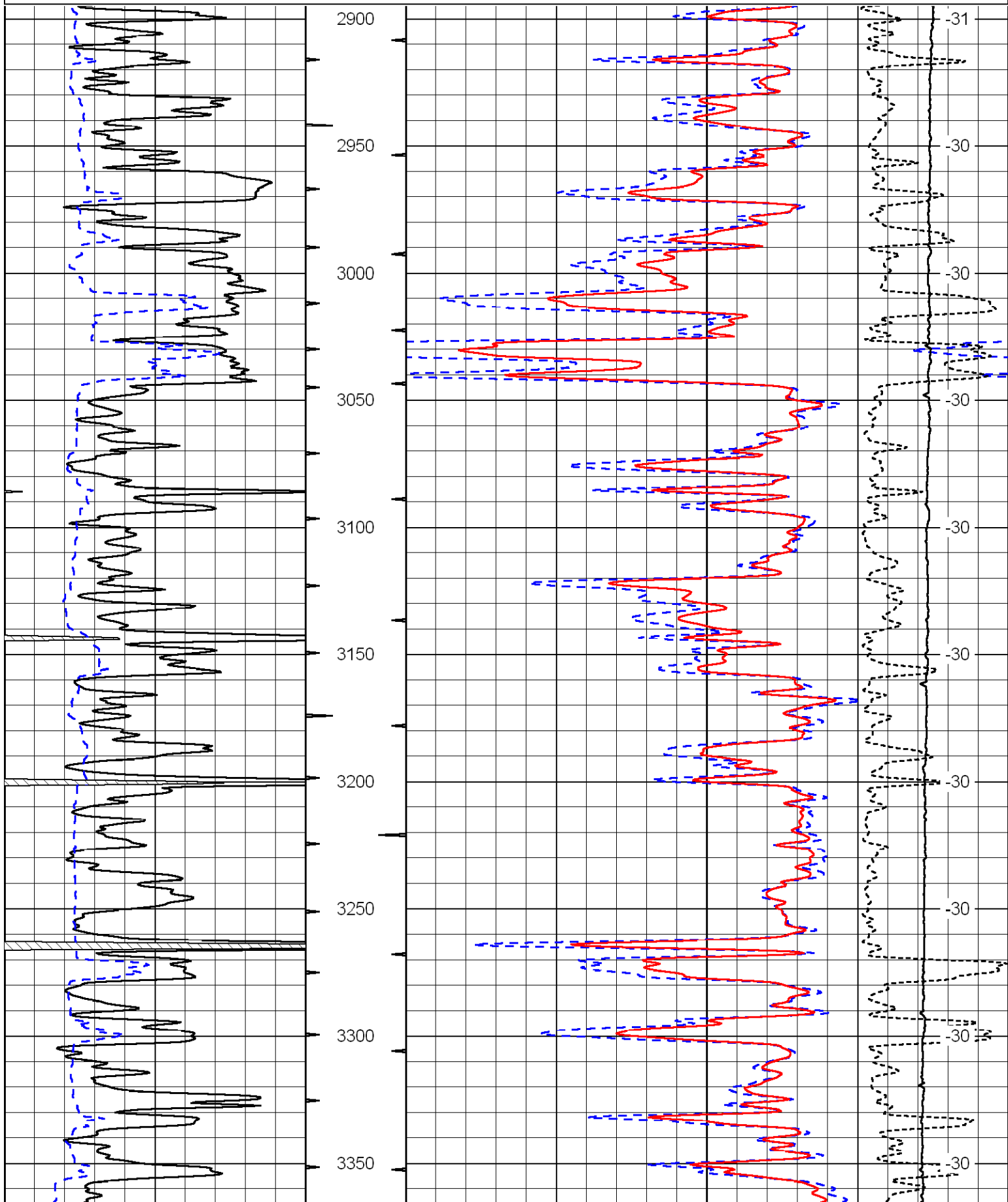
Thank you for using Log-Tech, Inc.
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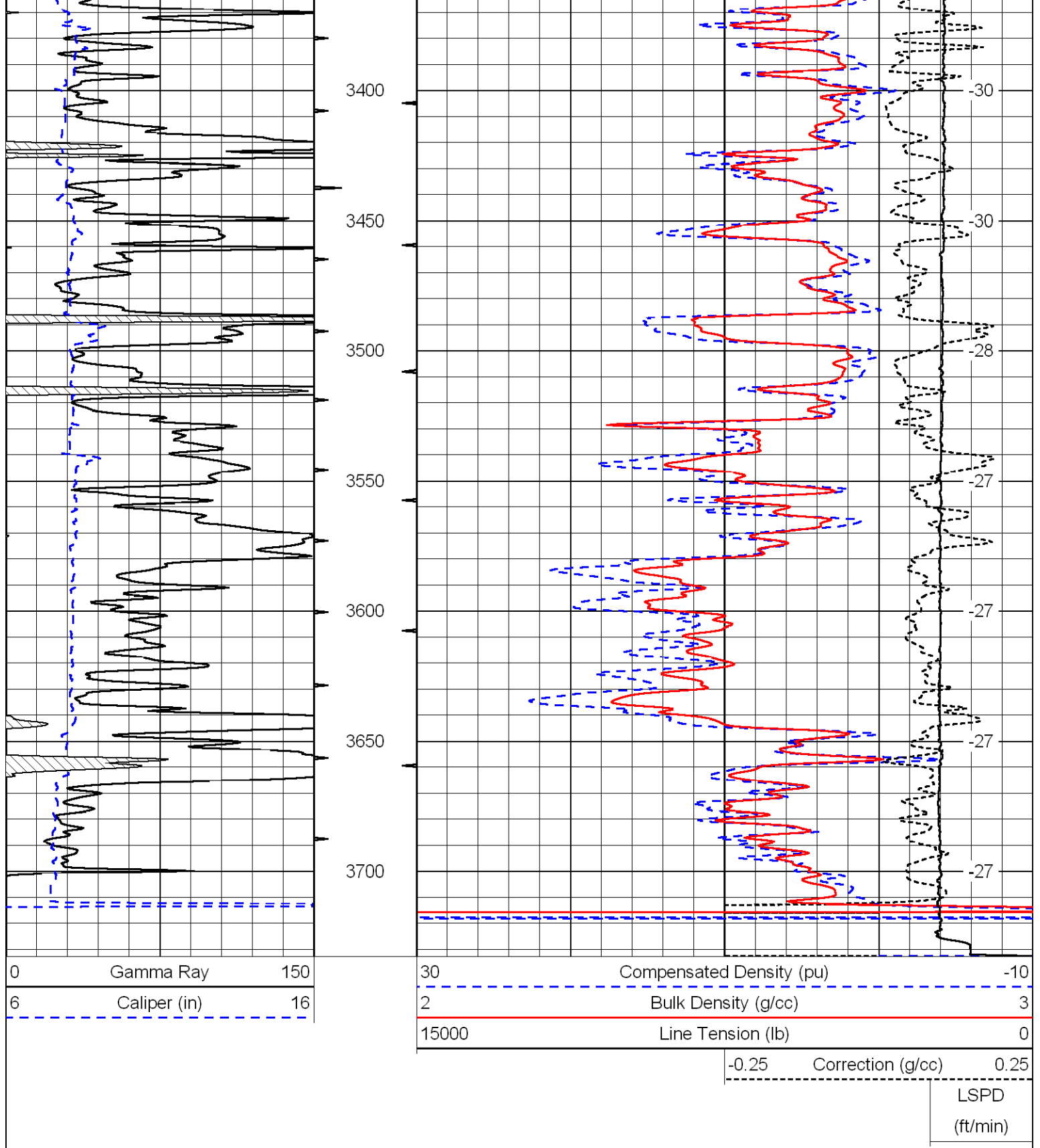
Hays, N to Saline River Rd, 1 1/2,
3 3/4 N, W Into

Database File: c:\warrior\data\murfin_m&a unit #1-32\murfin.db
Dataset Pathname: dil\mrfnst
Presentation Format: cdl
Dataset Creation: Mon Jul 13 21:25:01 2009
Charted by: Depth in Feet scaled 1:600

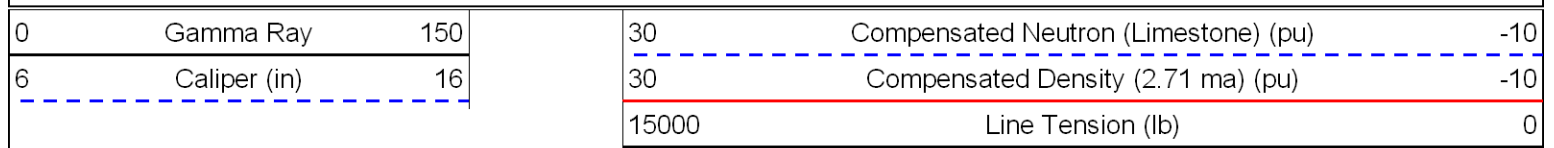
0	Gamma Ray	150
6	Caliper (in)	16

30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25
		LSPD (ft/min)



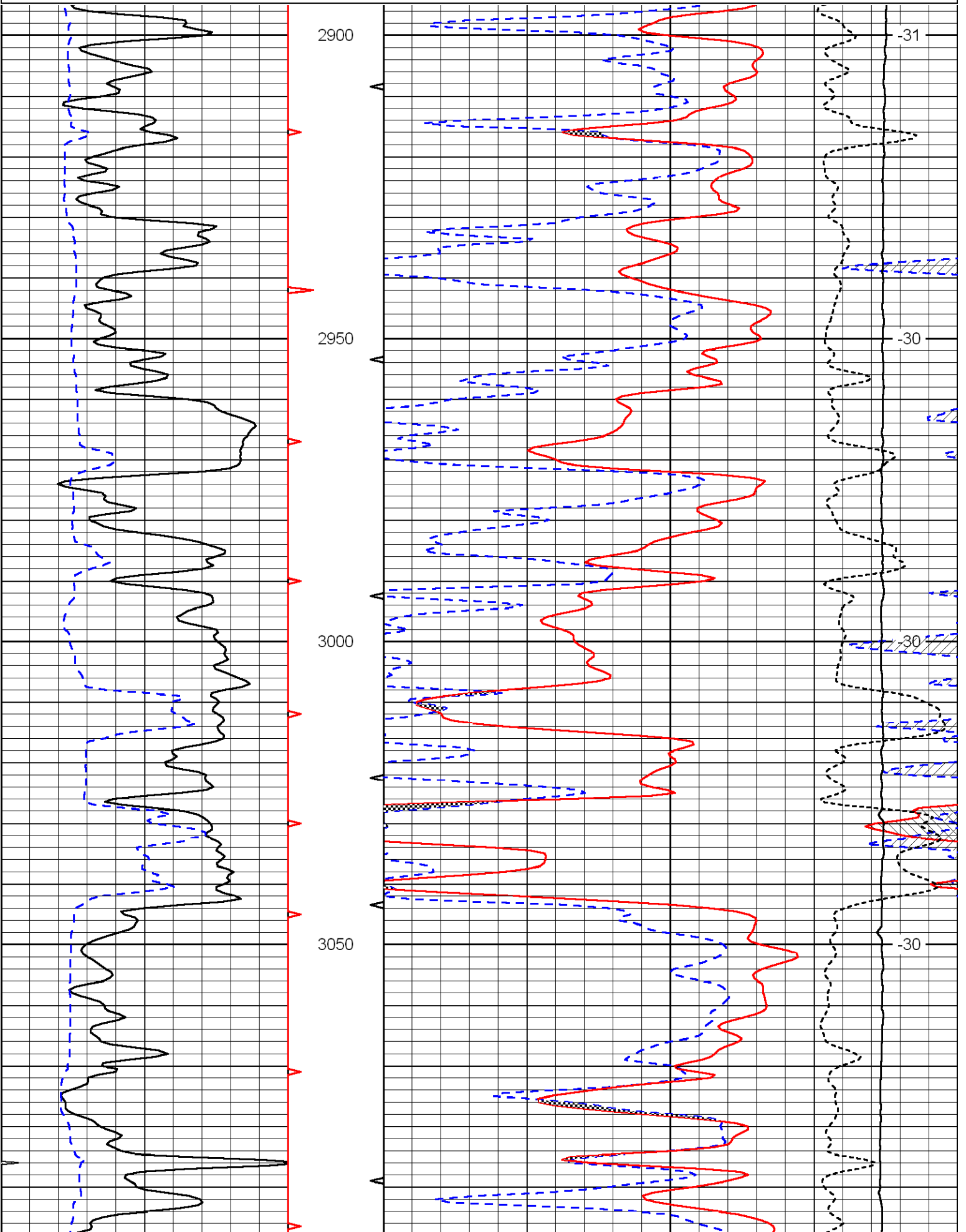


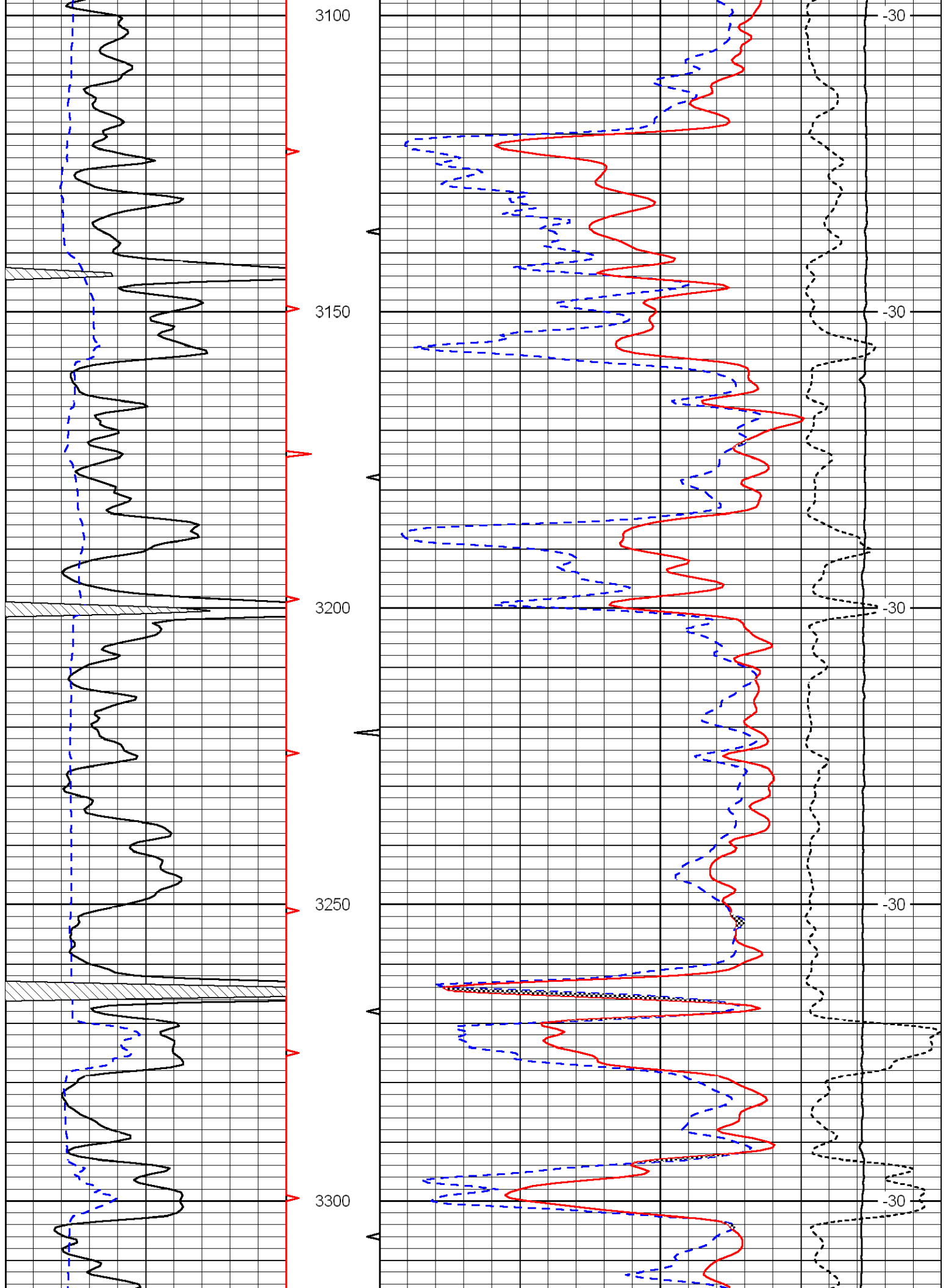
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Dataset Pathname: dil/mrfnstk
Presentation Format: cndlspec
Dataset Creation: Mon Jul 13 21:25:01 2009
Charted by: Depth in Feet scaled 1:240

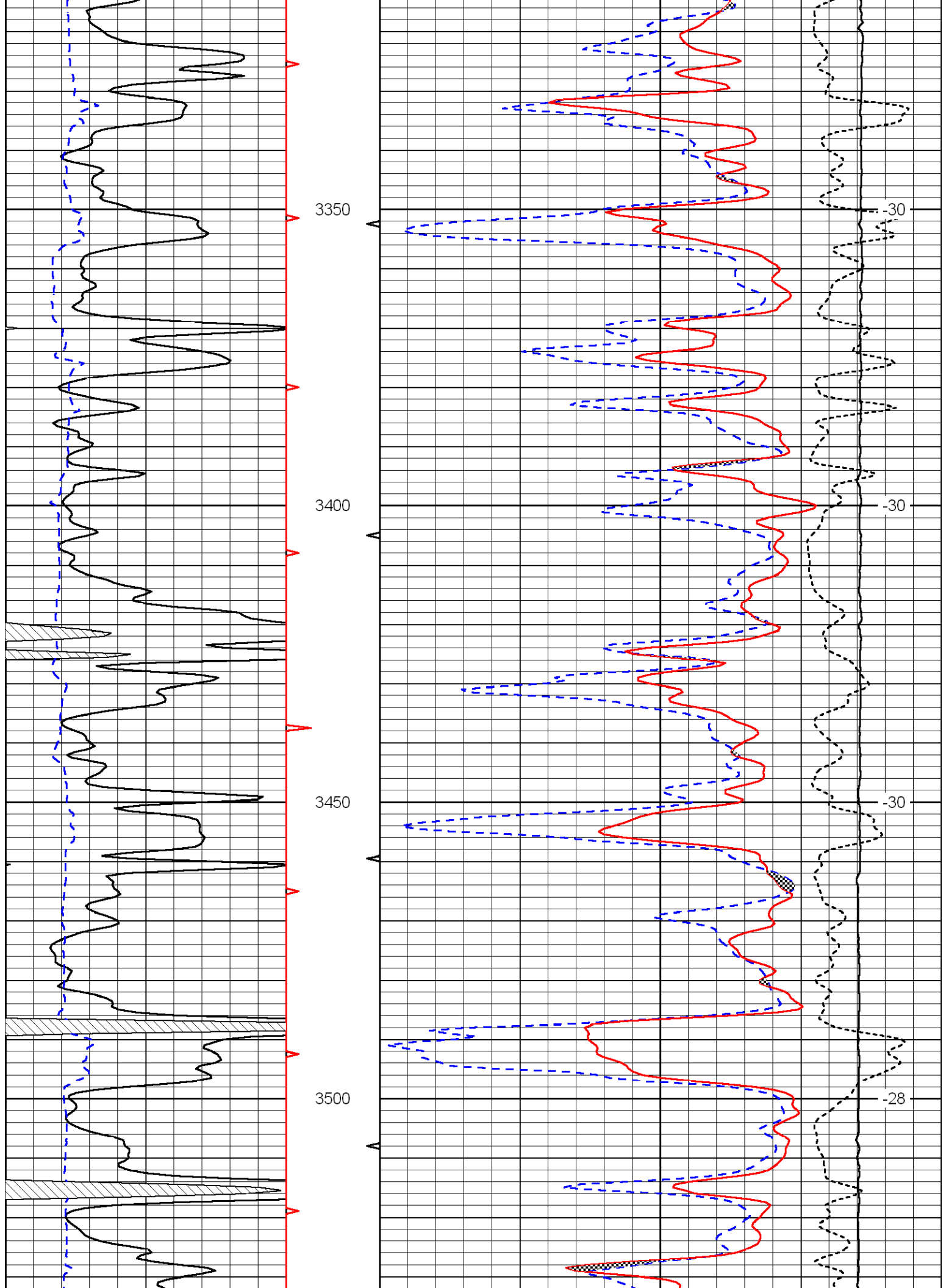


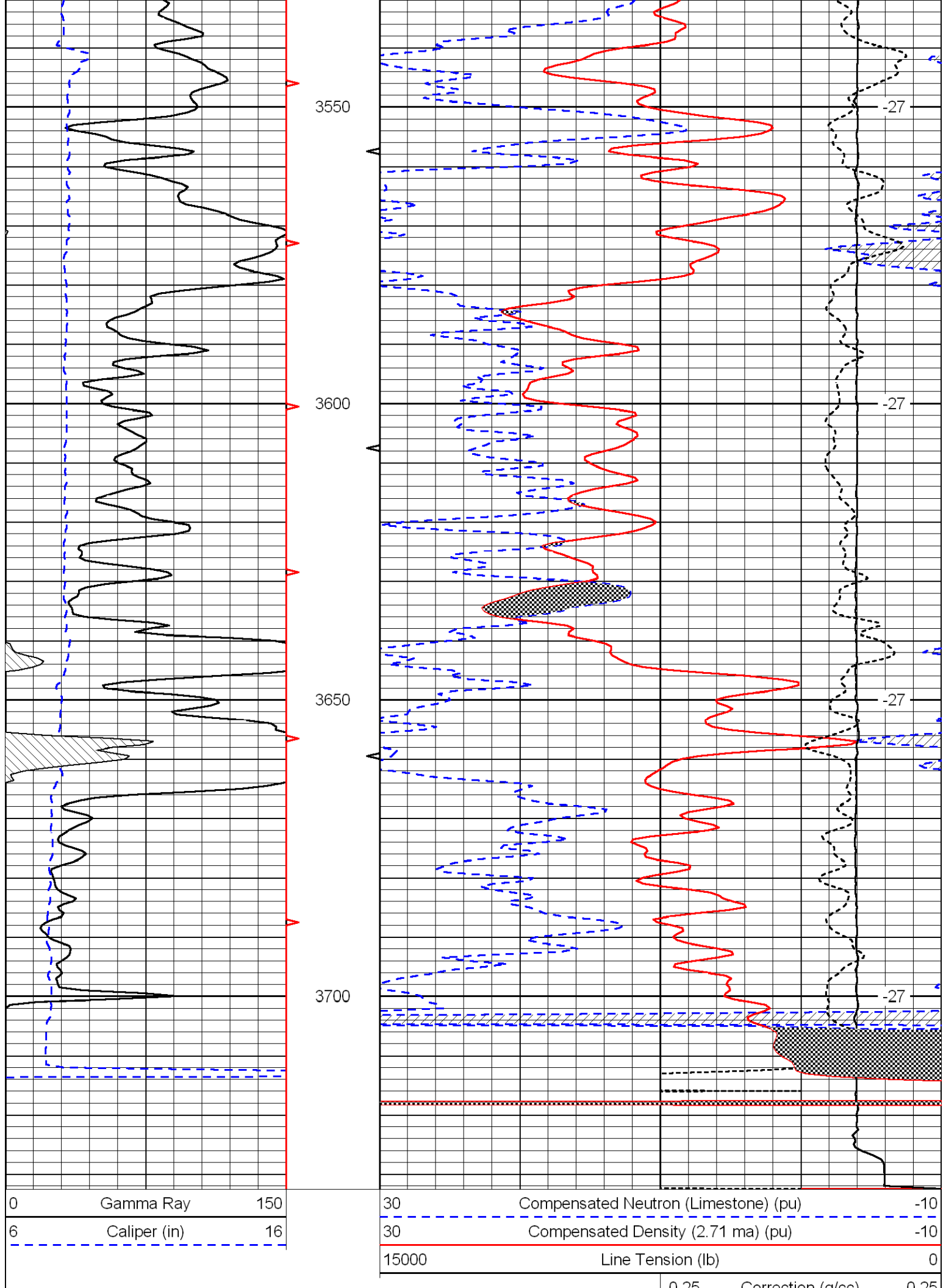
LSPD

(ft/min)









	-0.25	Correction (g/cc)	0.25
			LSPD (ft/min)