LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-141-20,424-00-00

Company Murfin Drilling Co., Inc.

Well Janet No. 1-9

Field Wildcat

County Osborne State Kansas

Location 2310' FSL & 800' FEL

Sec: 9 Twp: 10 S Rge: 14 W

Other Services
DIL
MEL/BHCS

Elevation
K.B. 1992
D.F.
G.L. 1987

Permanent Datum Ground Level Elevation 1987
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	12/18/2010
Run Number	One
Type Log	CNL / CDL
Depth Driller	3922
Depth Logger	3922
Bottom Logged Interval	3901
Top Logged Interval	2800
Type Fluid In Hole	Chemical
Salinity, PPM CL	4,700
Density	9.3
Level	Full
Max. Rec. Temp. F	117
Operating Rig Time	5 Hours
Equipment -- Location	4 Hays
Recorded By	K. Bange
Witnessed By	Rocky Milford

Borehole Record

Run No.	Bit	From	To
1	12.25	00	222
2	7.875	222	3922

Casing Record

Size	Wgt.	From	To
8.625	24#	00	222

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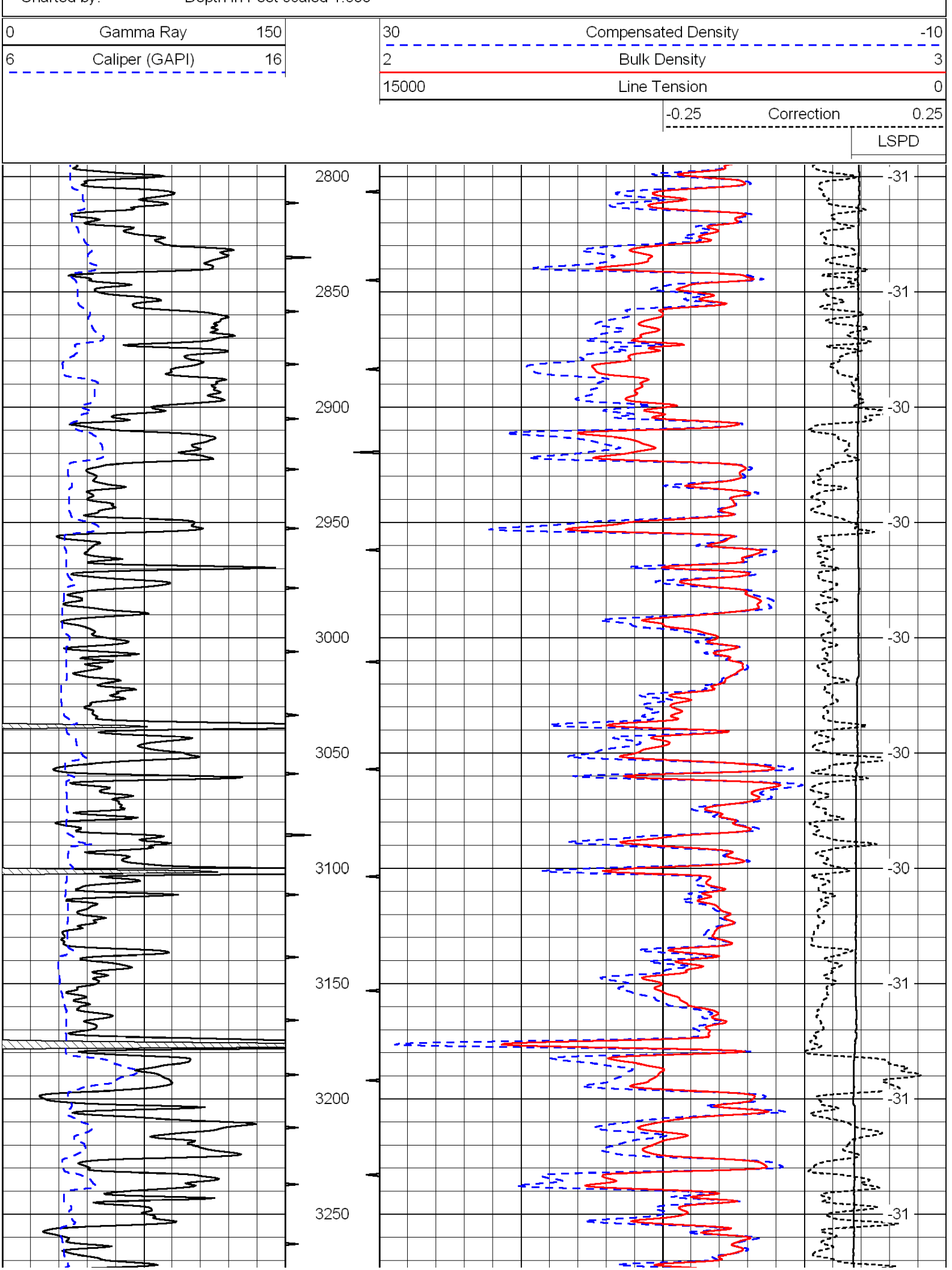
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

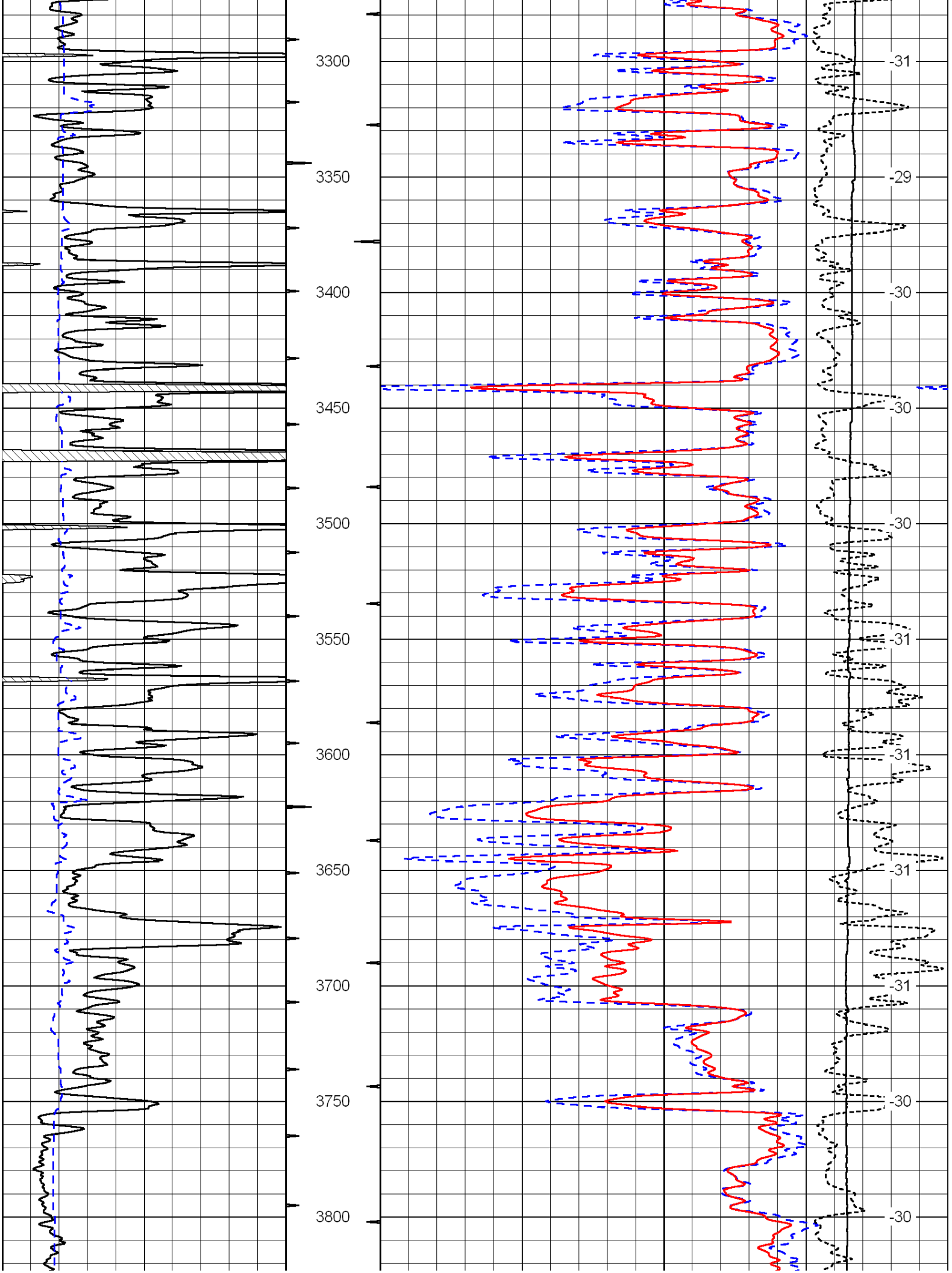
Comments

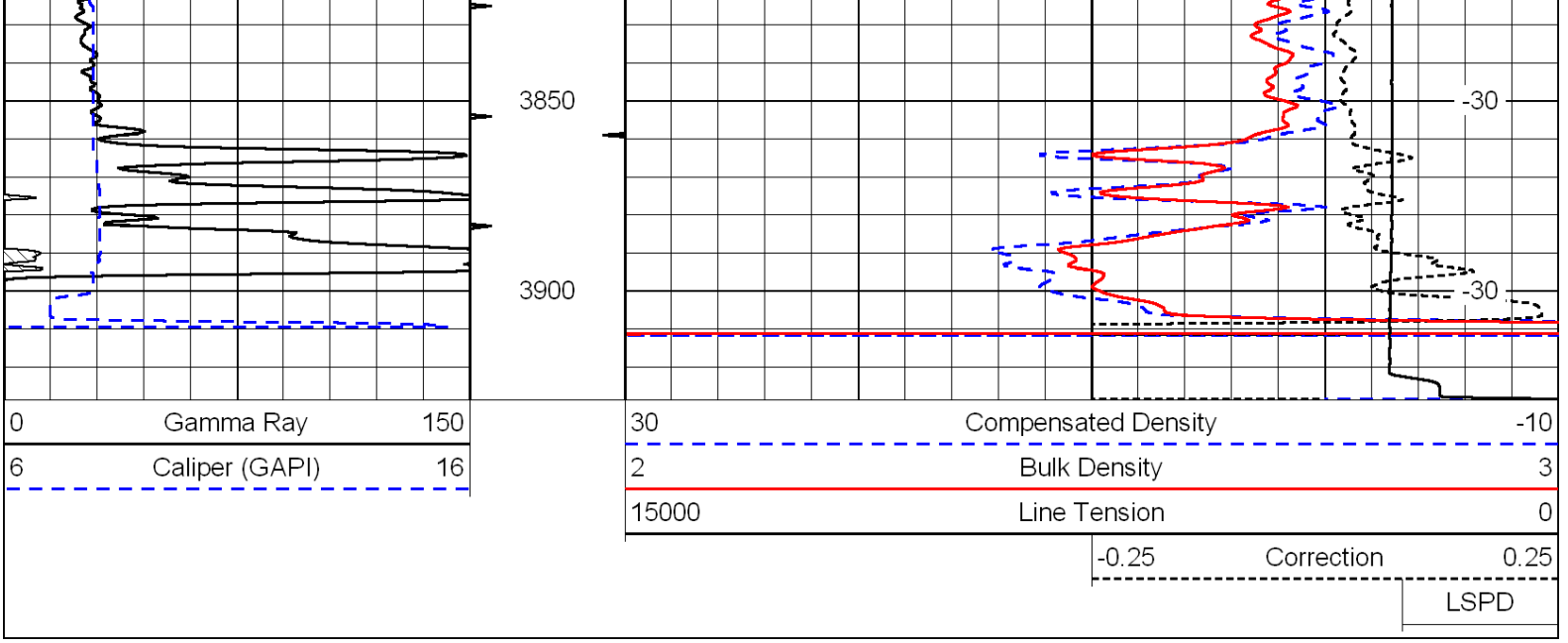
Thank you for using Log-Tech, Inc.
(785) 625-3858

Paradise, 1/2 E, 6 N, 1 E, 1/2 S, W into

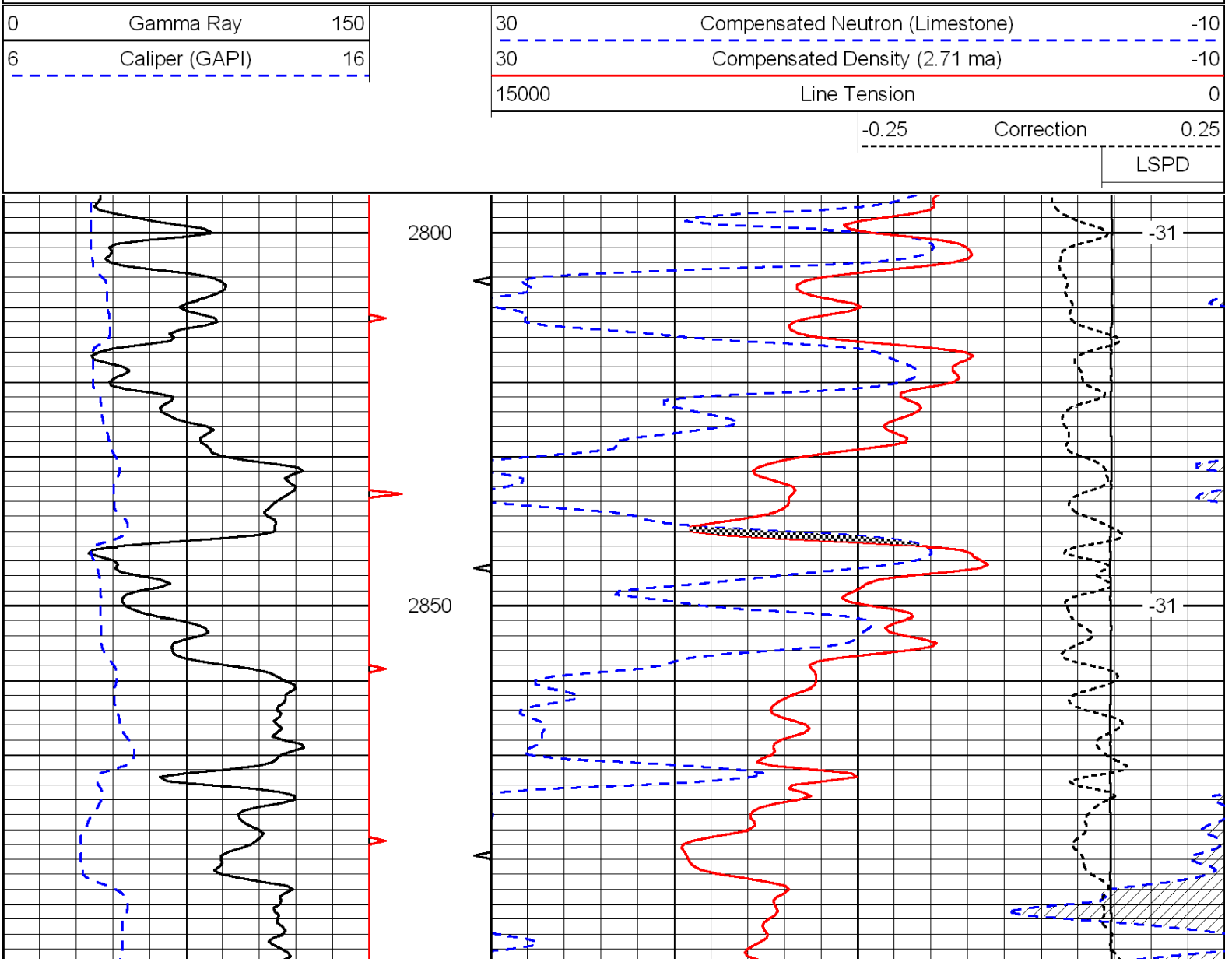
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Dataset Pathname: dil/murfstack
Presentation Format: cdl
Dataset Creation: Sat Dec 18 20:03:23 2010
Charted by: Depth in Feet scaled 1:600

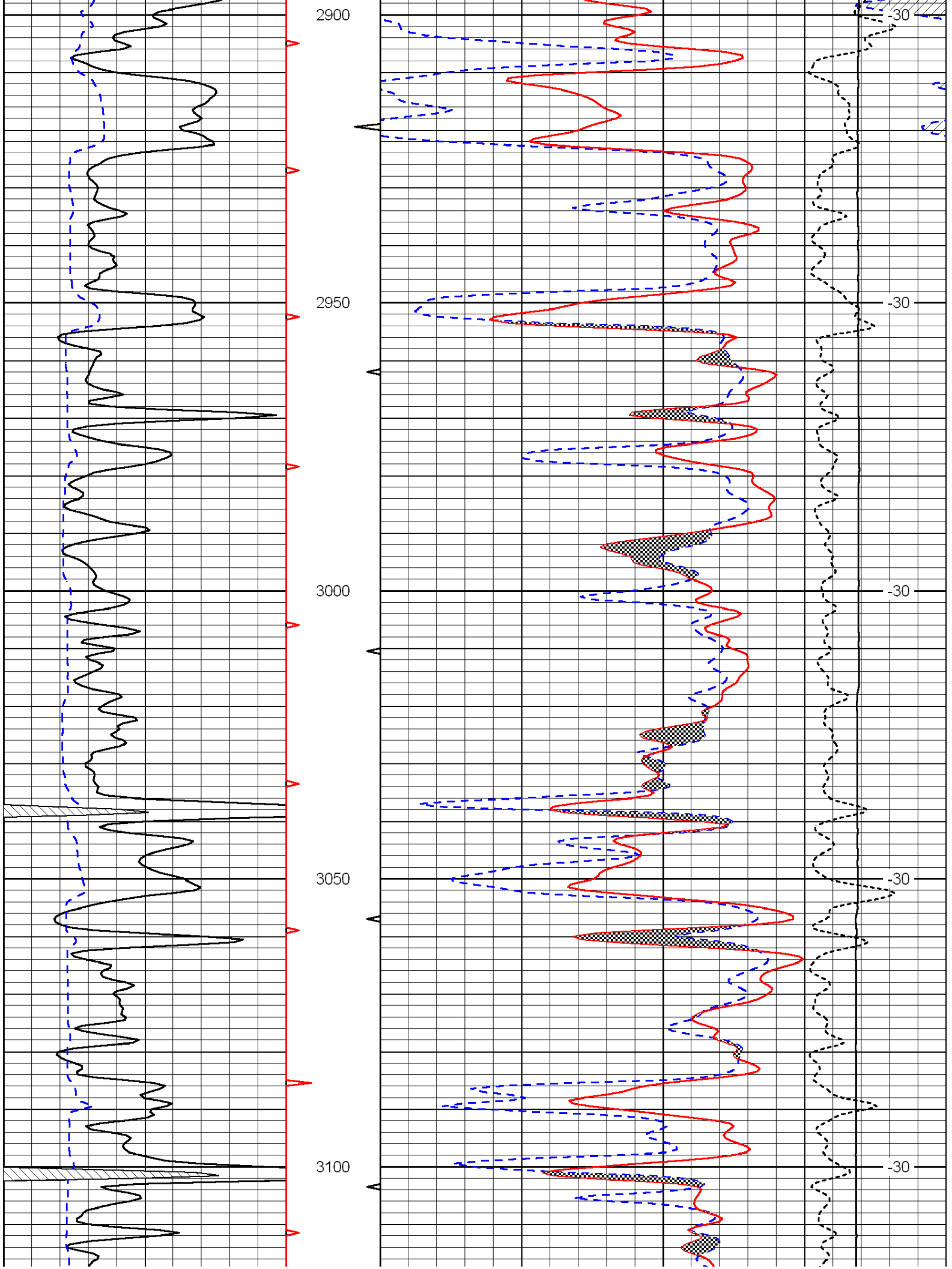

0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density -10
2 Bulk Density 3
15000 Line Tension 0
-0.25 Correction 0.25
LSPD
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
-31
-31
-30
-30
-30
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-31
-31

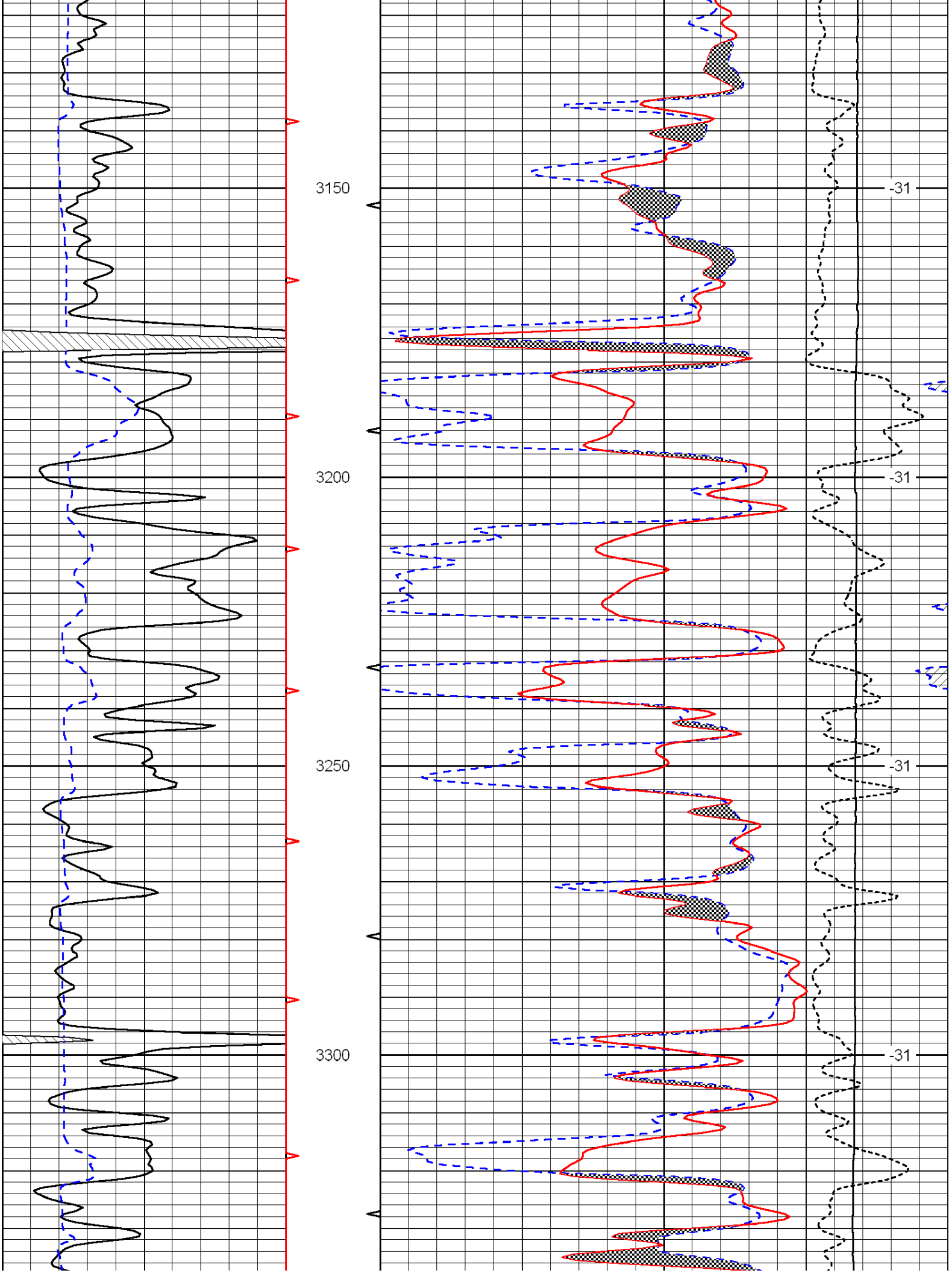

3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
-31
-29
-30
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-31
-31
-30
-30

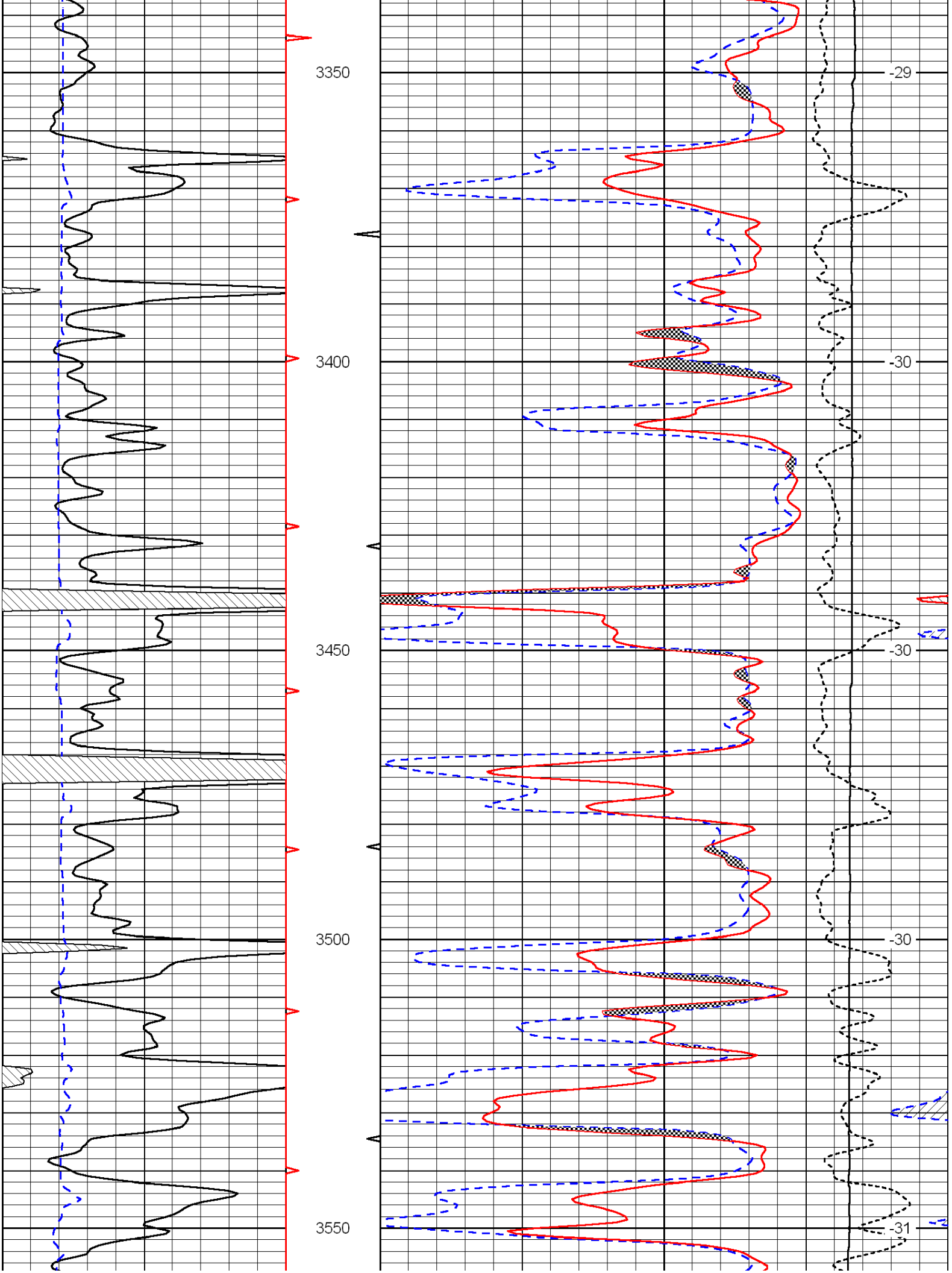


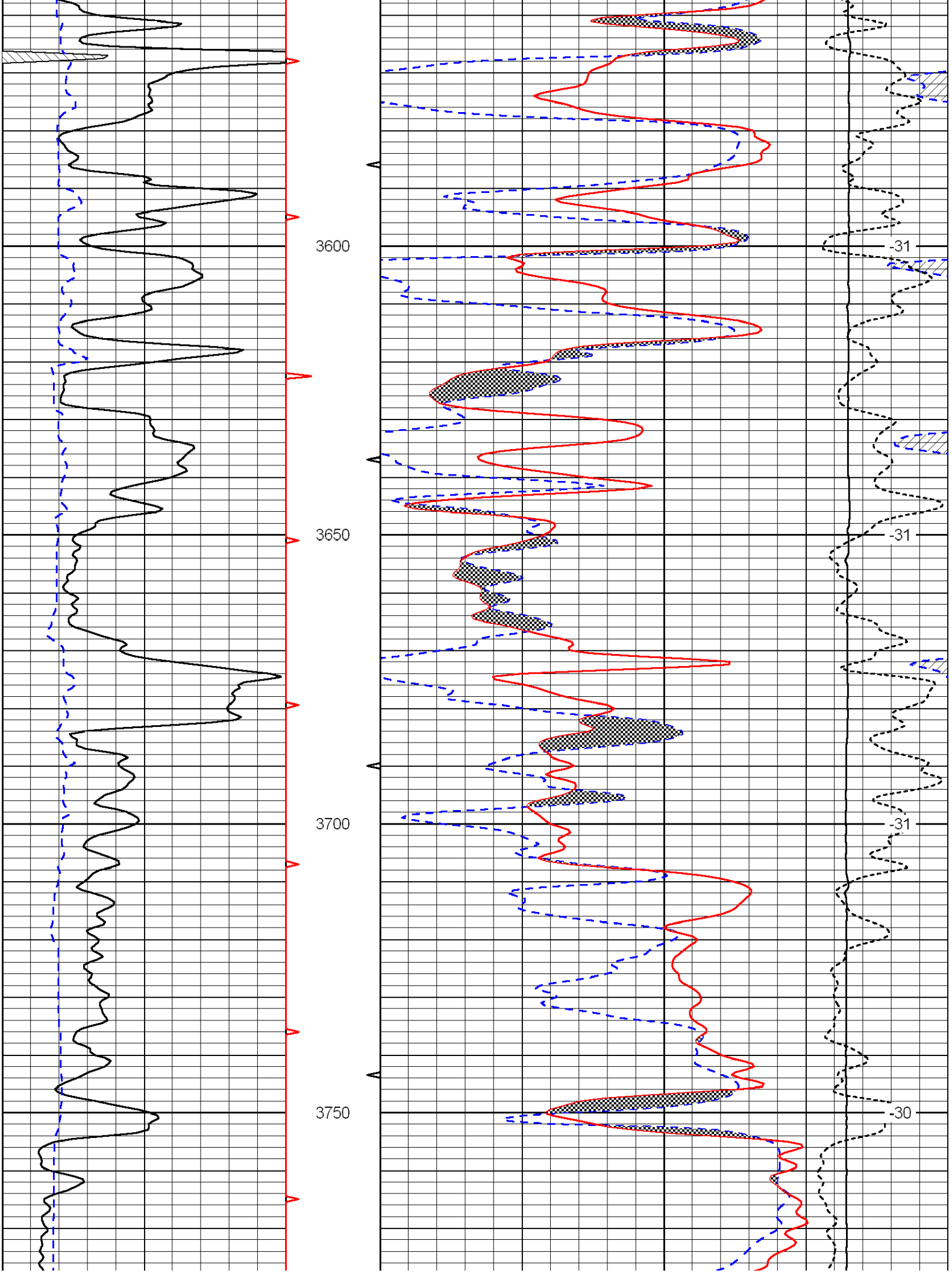
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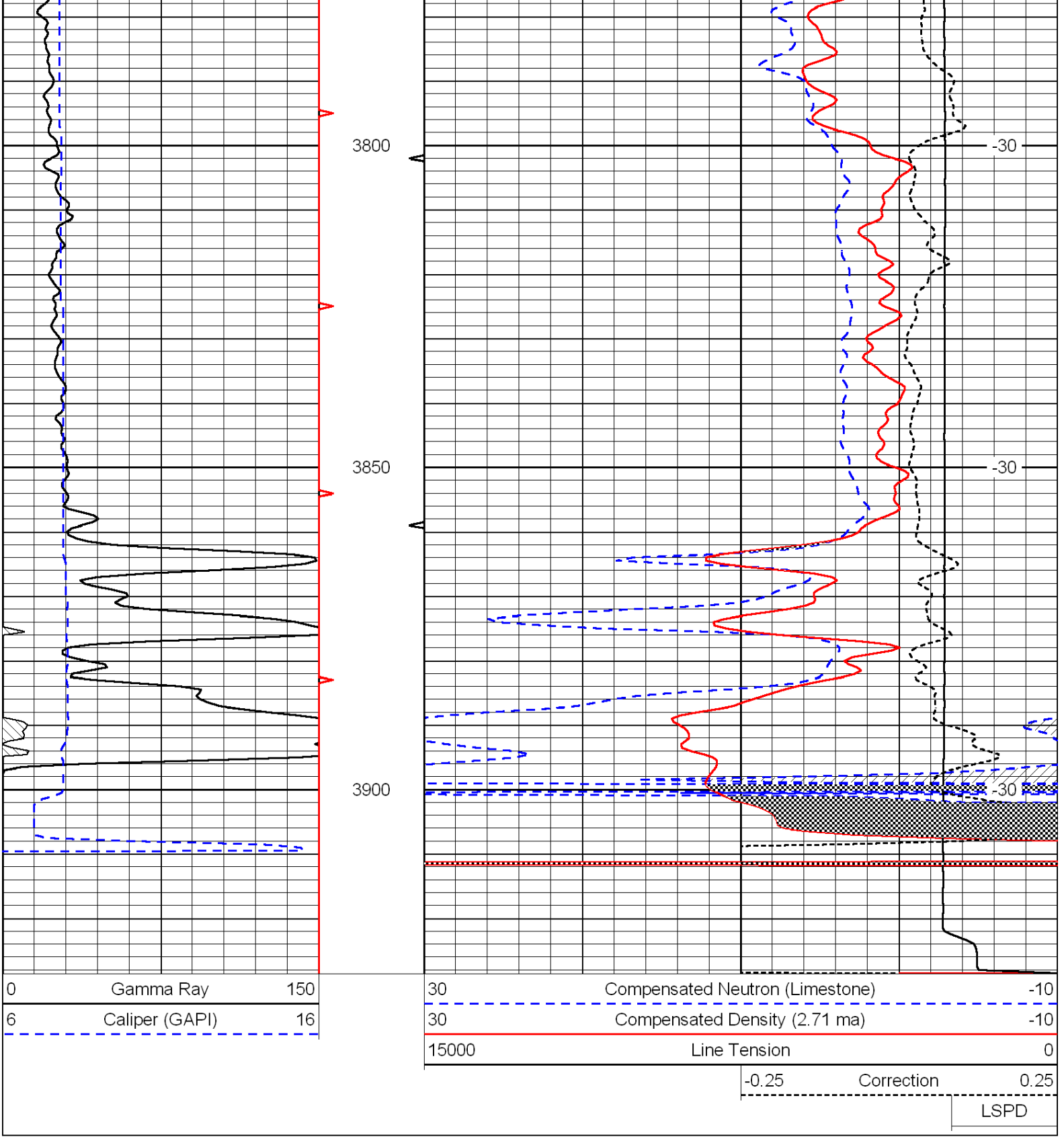



2900
2950
3000
3050
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-30
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3150
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3250
3300
-31
-31
-31
-31


3350
3400
3450
3500
3550
-29
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-30
-30
-31


3600
3650
3700
3750
-31
-31
-31
-30


3800
3850
3900
-30
-30
-30
0
Gamma Ray
150
6
Caliper (GAPI)
16
30
Compensated Neutron (Limestone)
-10
30
Compensated Density (2.71 ma)
-10
15000
Line Tension
0
-0.25
Correction
0.25
LSPD