PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-009-26,050-00-00

Company RJM Oil Company, Inc.

Well Gregory #1

Field

County Barton State Kansas

Location 517' FSL & 1638' FWL

Sec: 24 Twp: 17S Rge: 12W

Permanent Datum Ground Level Elevation 1862

Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date	11/12/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	3450
Depth Logger	3450
Bottom Logged Interval	3429
Top Logged Interval	2700
Type Fluid In Hole	Chemical
Salinity, PPM CL	6,000
Density	9.2
Level	Full
Max. Rec. Temp. F	111
Operating Rig Time	4 Hours
Equipment -- Location	10 | Hays
Recorded By	C. Desaire
Witnessed By	Jim Musgrove

Other Services
DIL
MEL/BHCS

Elevation
K.B. 1869
D.F.
G.L. 1862

Borehole Record

Run No.	Bit	From	To
1	12.25	00	389
2	7.875	389	3450

Casing Record

Size	Wgt.	From	To
8.625	24#	00	389

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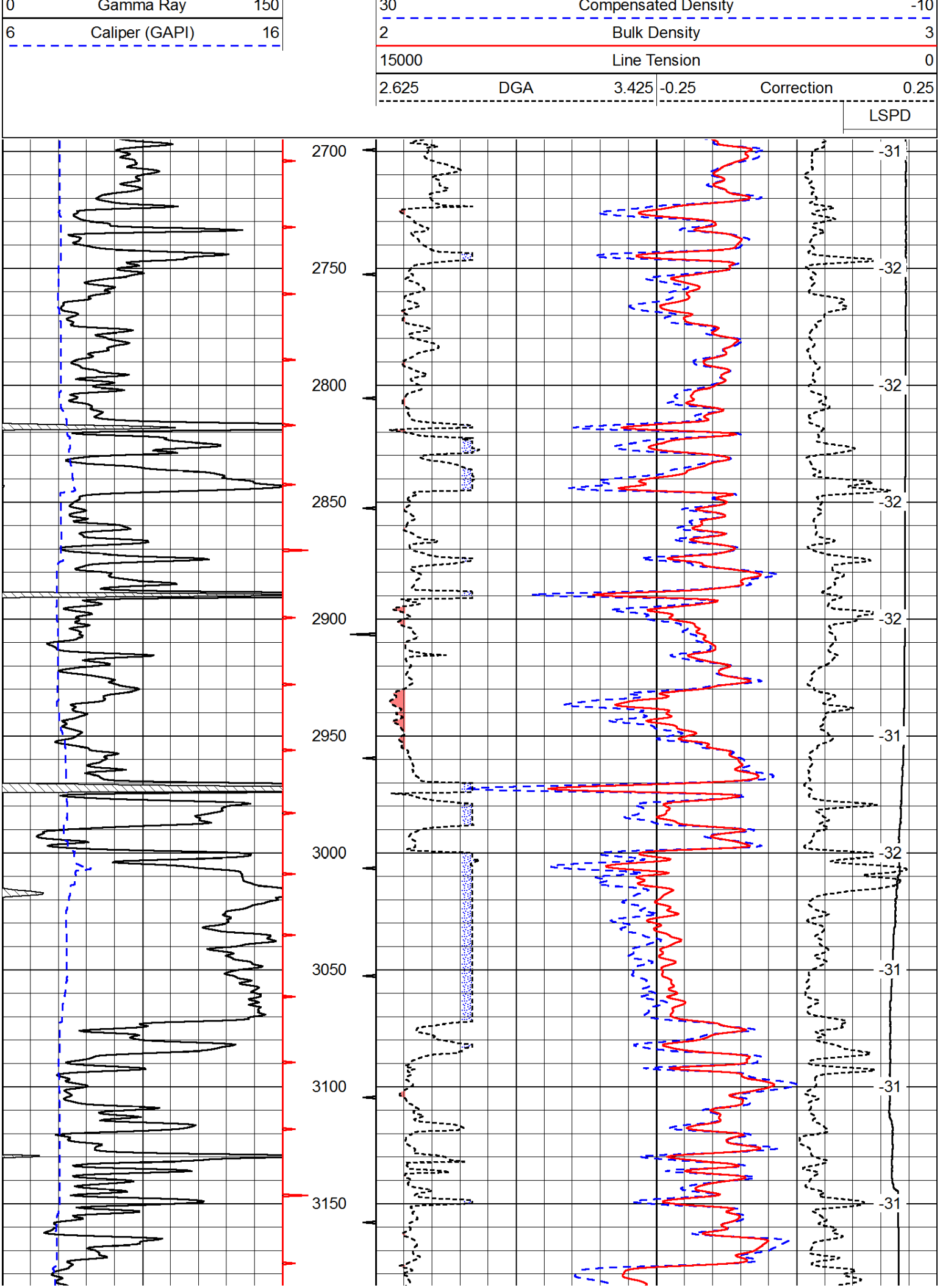
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

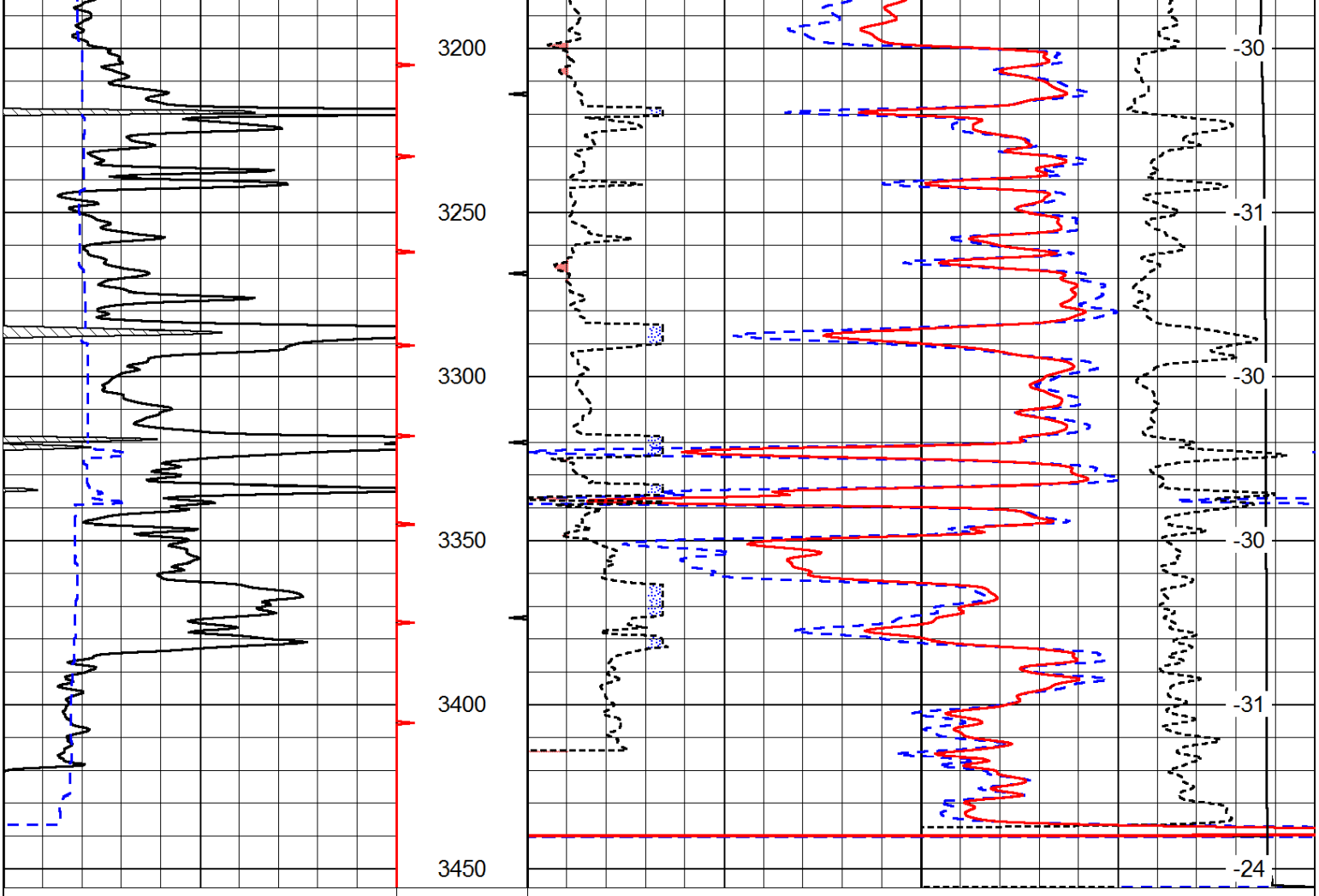
Comments

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

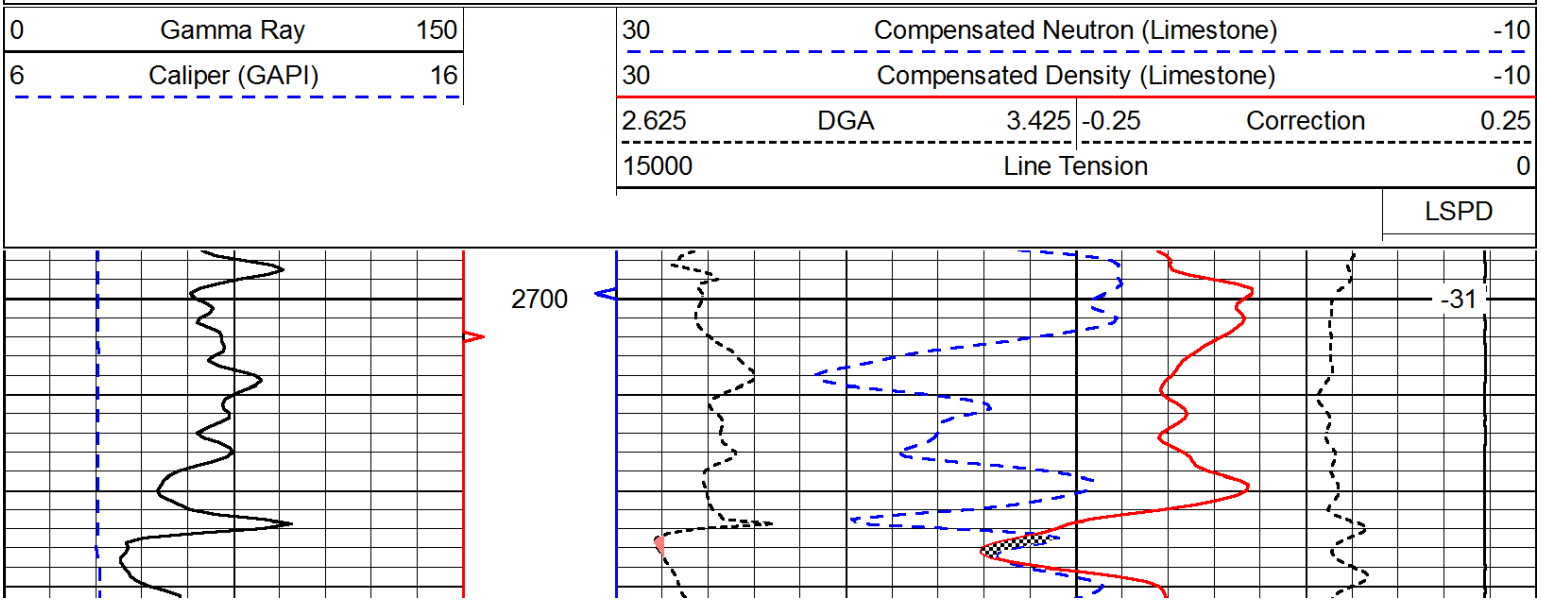
Odin KS, 1 S, 1/2 W, S Into

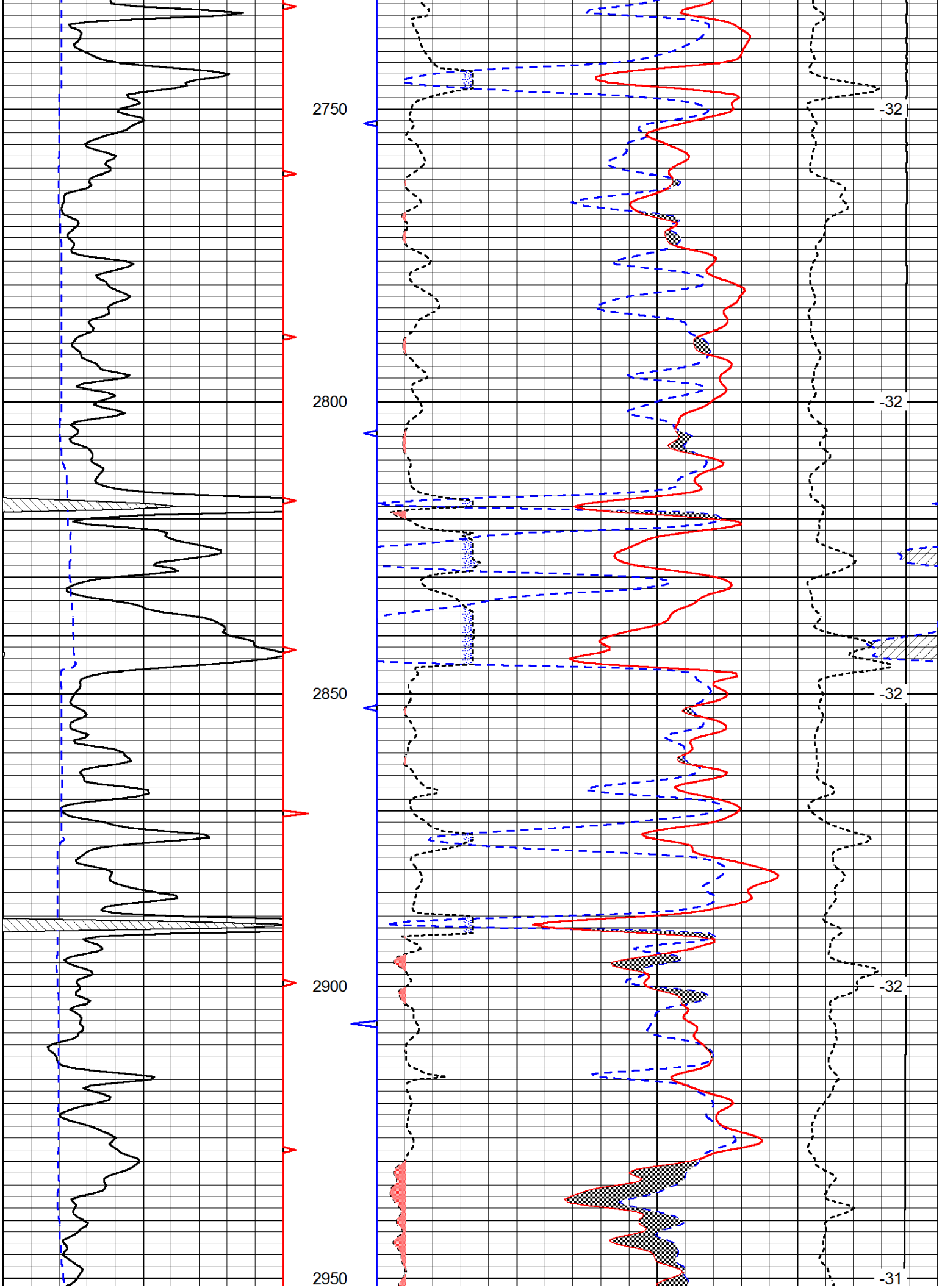
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Charted by:	Depth in Feet scaled 1:600

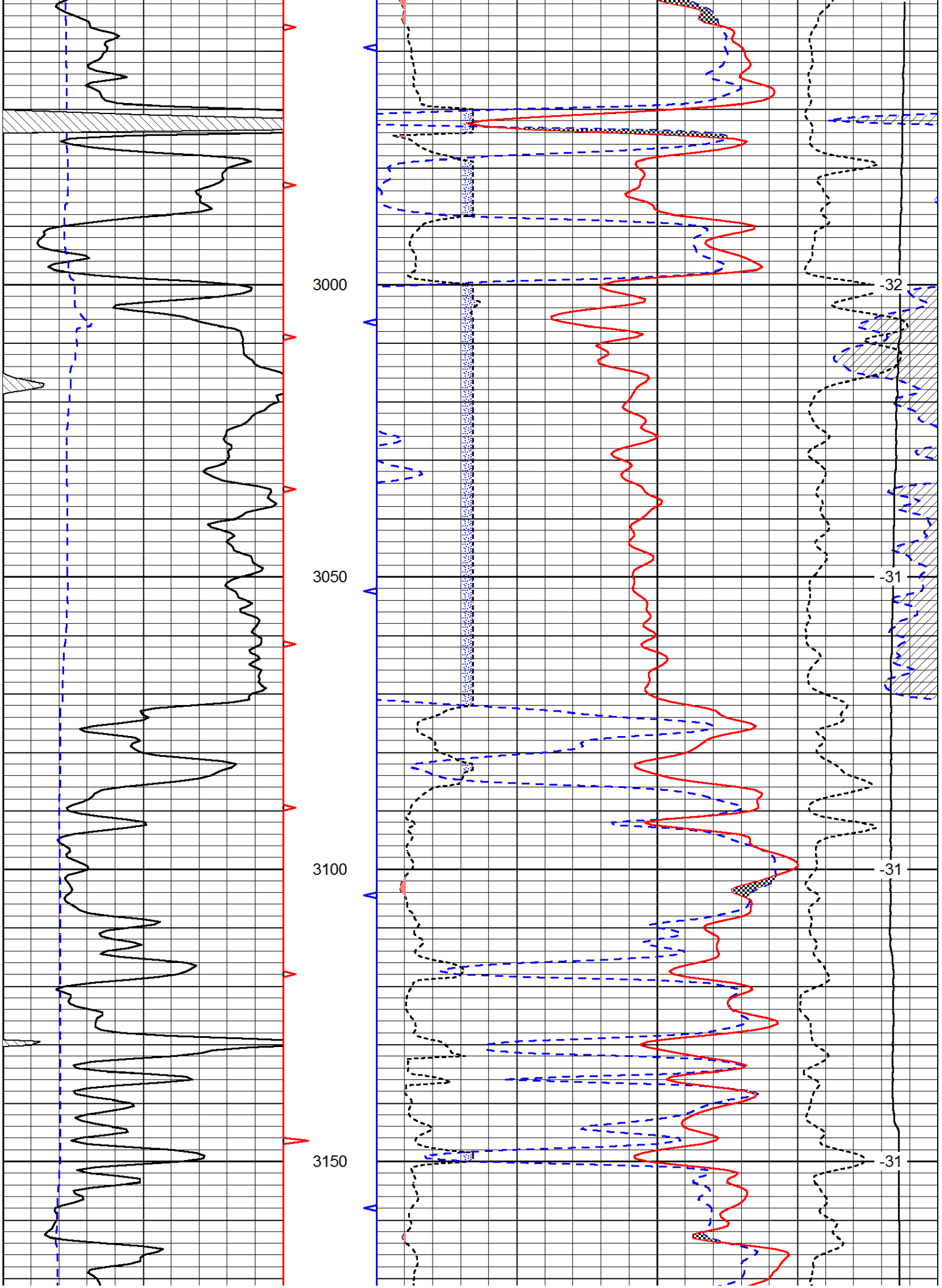

0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density -10
2 Bulk Density 3
15000 Line Tension 0
2.625 DGA 3.425 -0.25 Correction 0.25
LSPD
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
-31
-32
-32
-32
-31
-32
-31
-31
-31

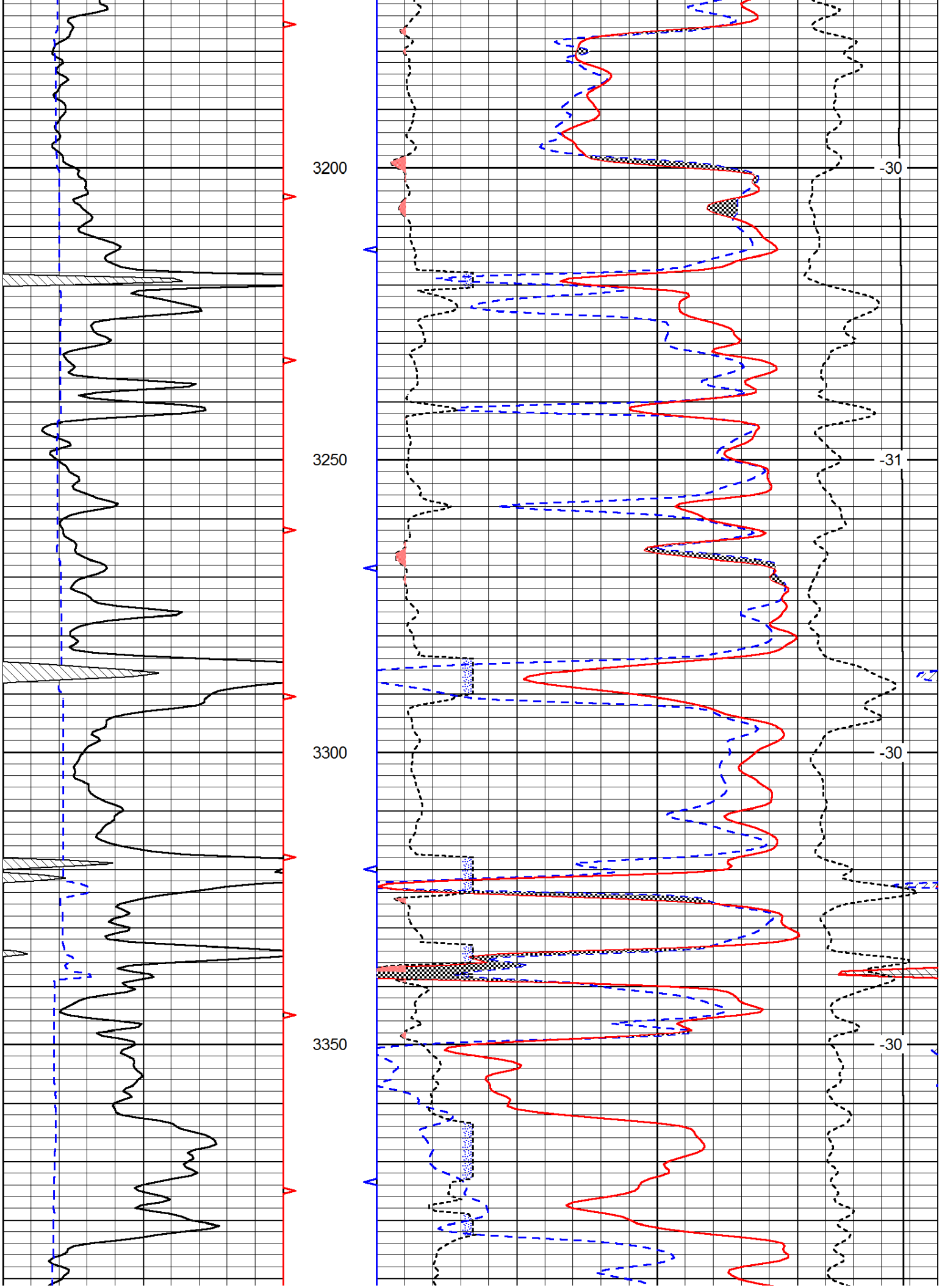


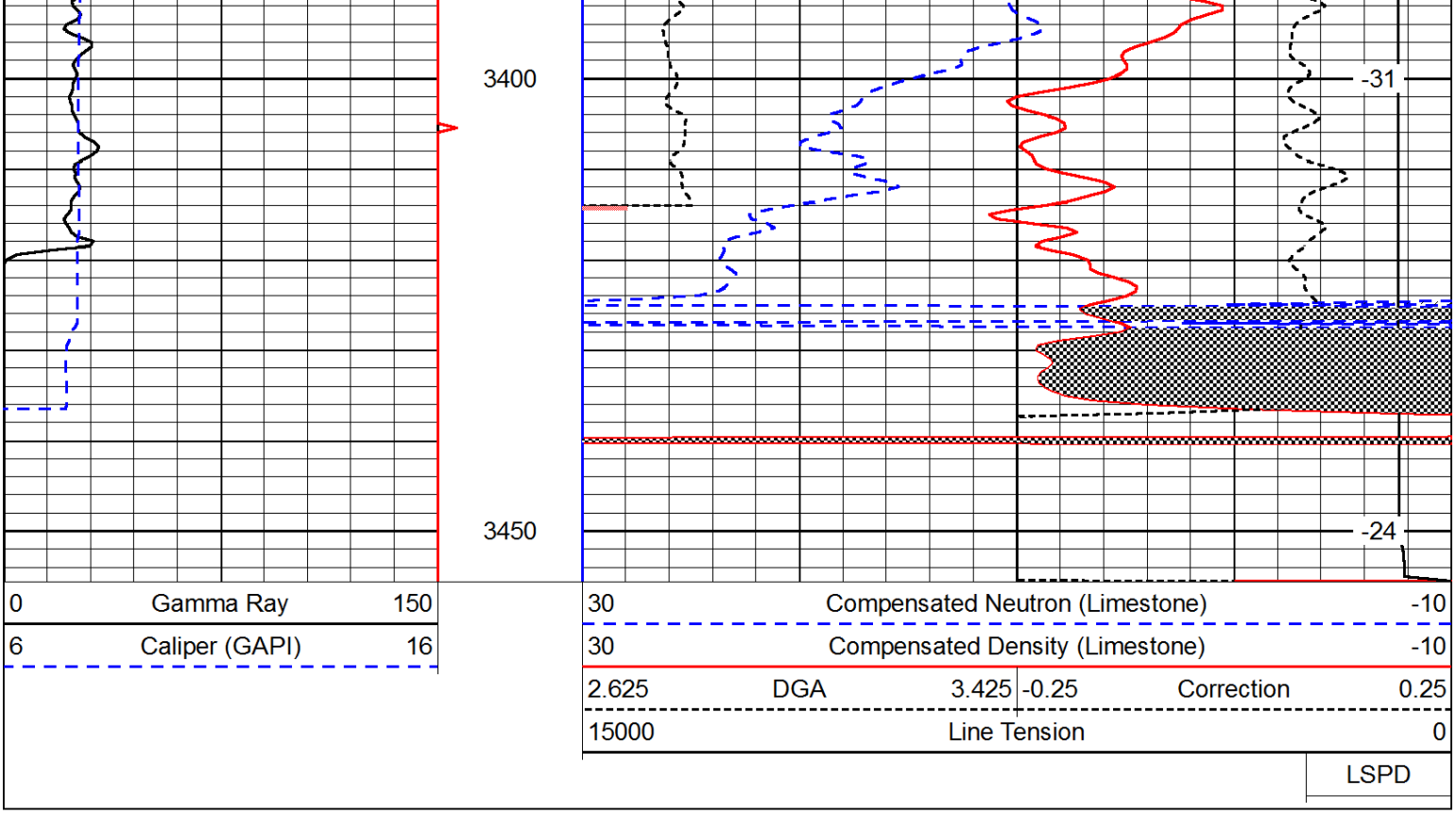
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2750
2800
2850
2900
2950
-32
-32
-32
-32
-31


3000
3050
3100
3150
-32
-31
-31
-31


3200
3250
3300
3350
-30
-31
-30
-30



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