PIONEER

Pioneer Energy Services

Dual Compensated Porosity 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
DIL/MEL

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

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	10/10/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	4350
Depth Logger	4355
Bottom Logged Interval	4334
Top Logged Interval	3600
Type Fluid In Hole	Chemical
Salinity, PPM CL	3100
Density	9.6
Level	Full
Max. Rec. Temp. F	120
Operating Rig Time	4 Hours
Equipment -- Location	108 Hays
Recorded By	D. Fischer
Witnessed By	Dean Anderson

Borehole Record

Run No.	Bit	From	To
One	12.25	00	213
Two	7.875	213	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	213

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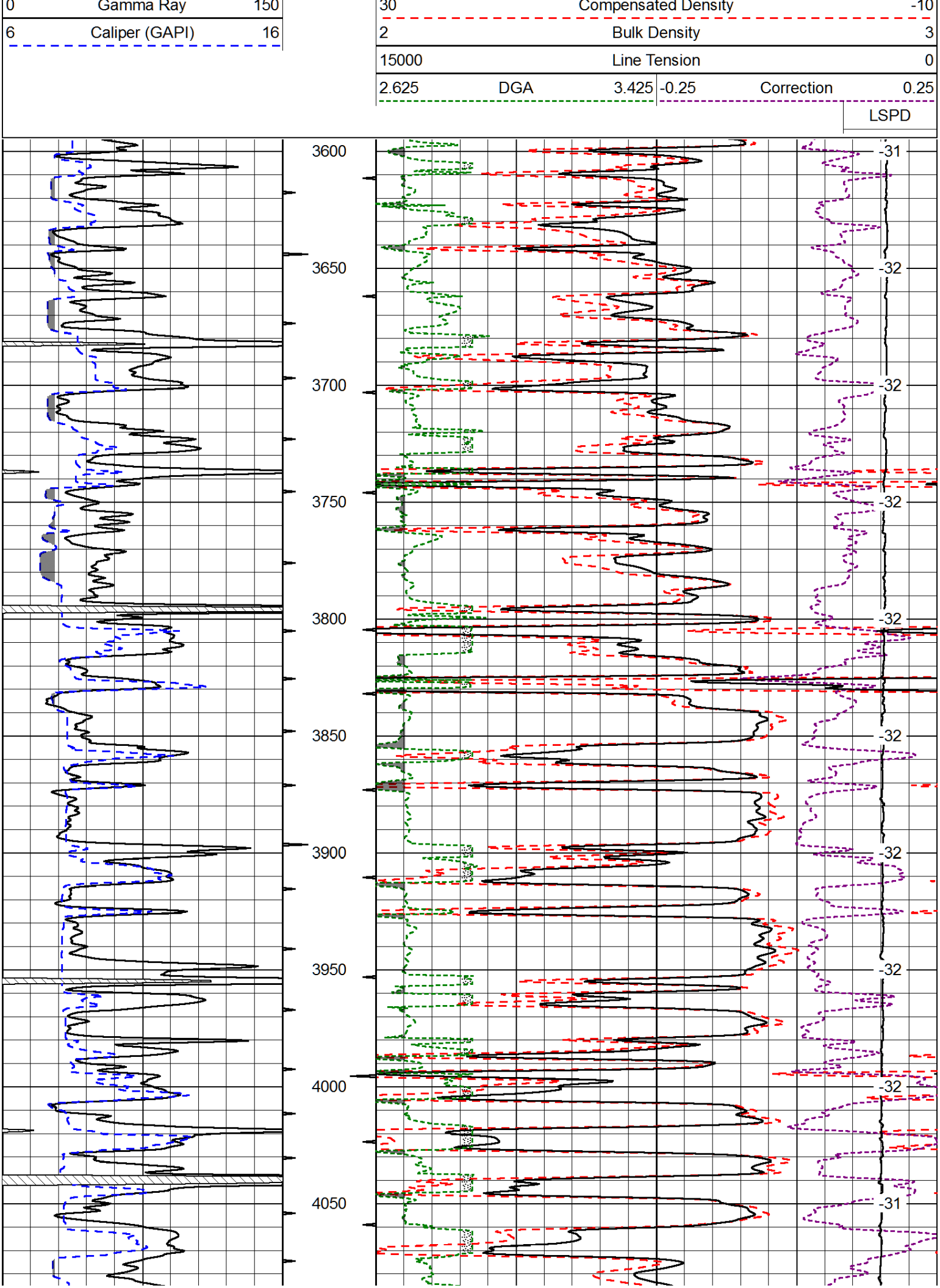
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

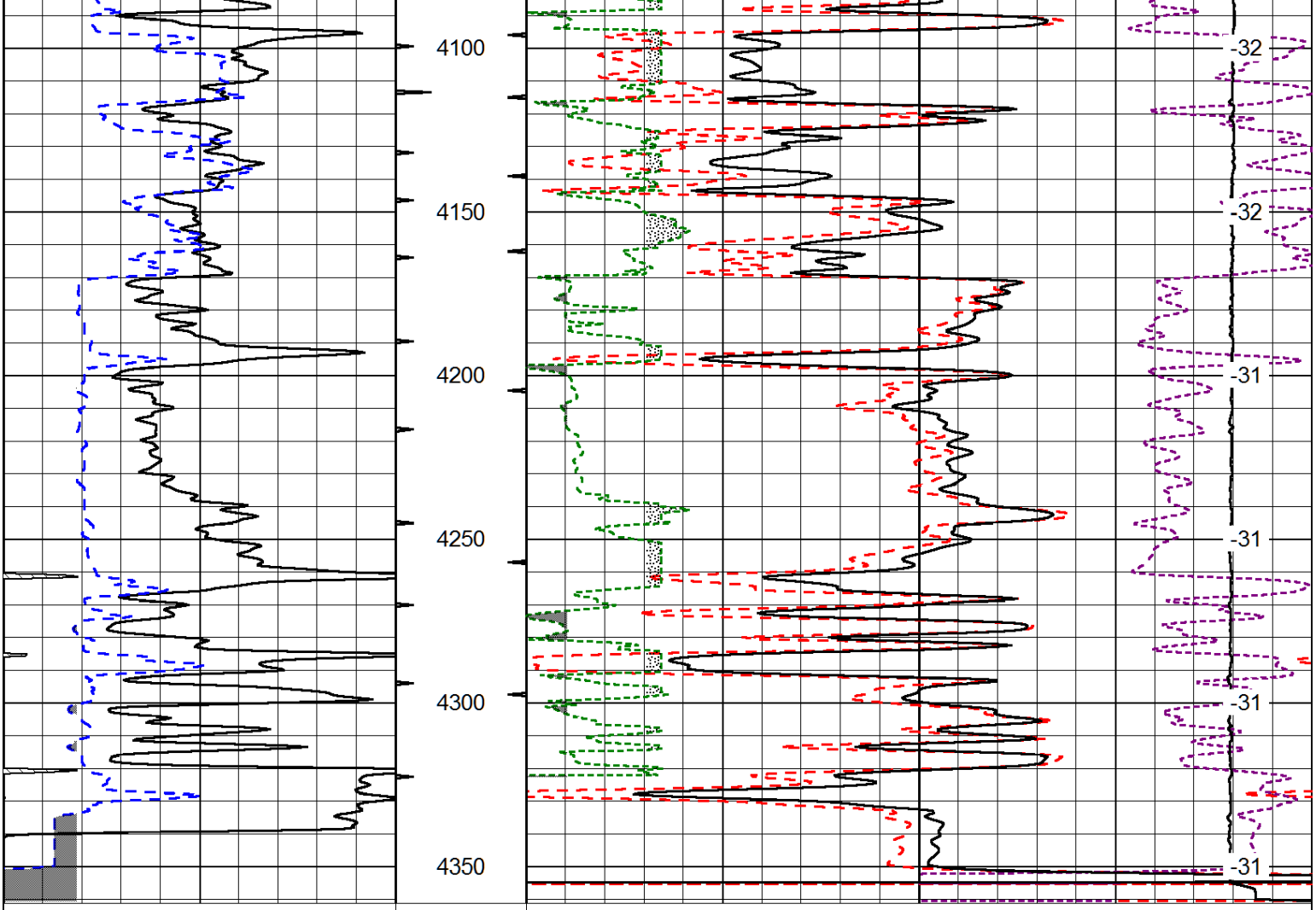
Comments

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

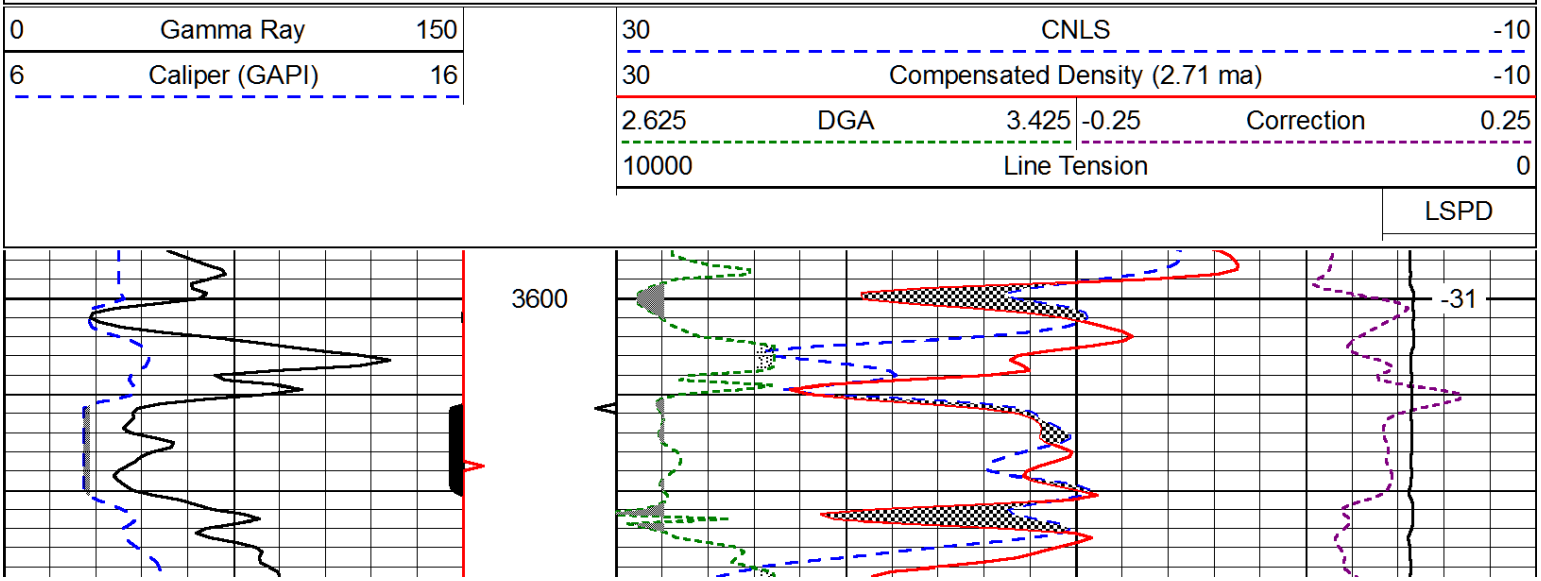
St. Peter Ks., 2 1/2 South, East Into.

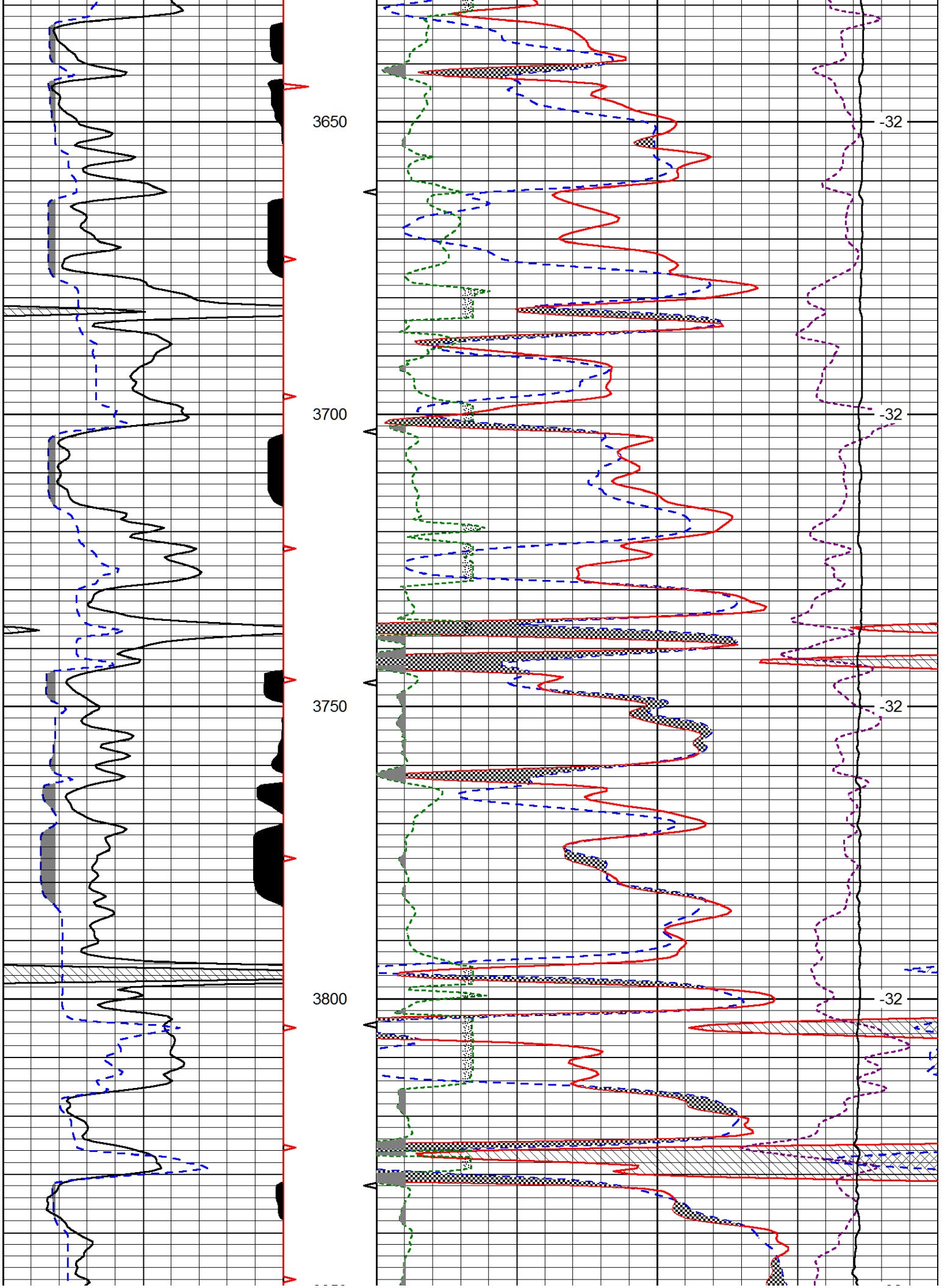
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Presentation Format:	cdl
Dataset Creation:	Fri Oct 10 20:24:21 2014
Charted by:	Depth in Feet scaled 1:600

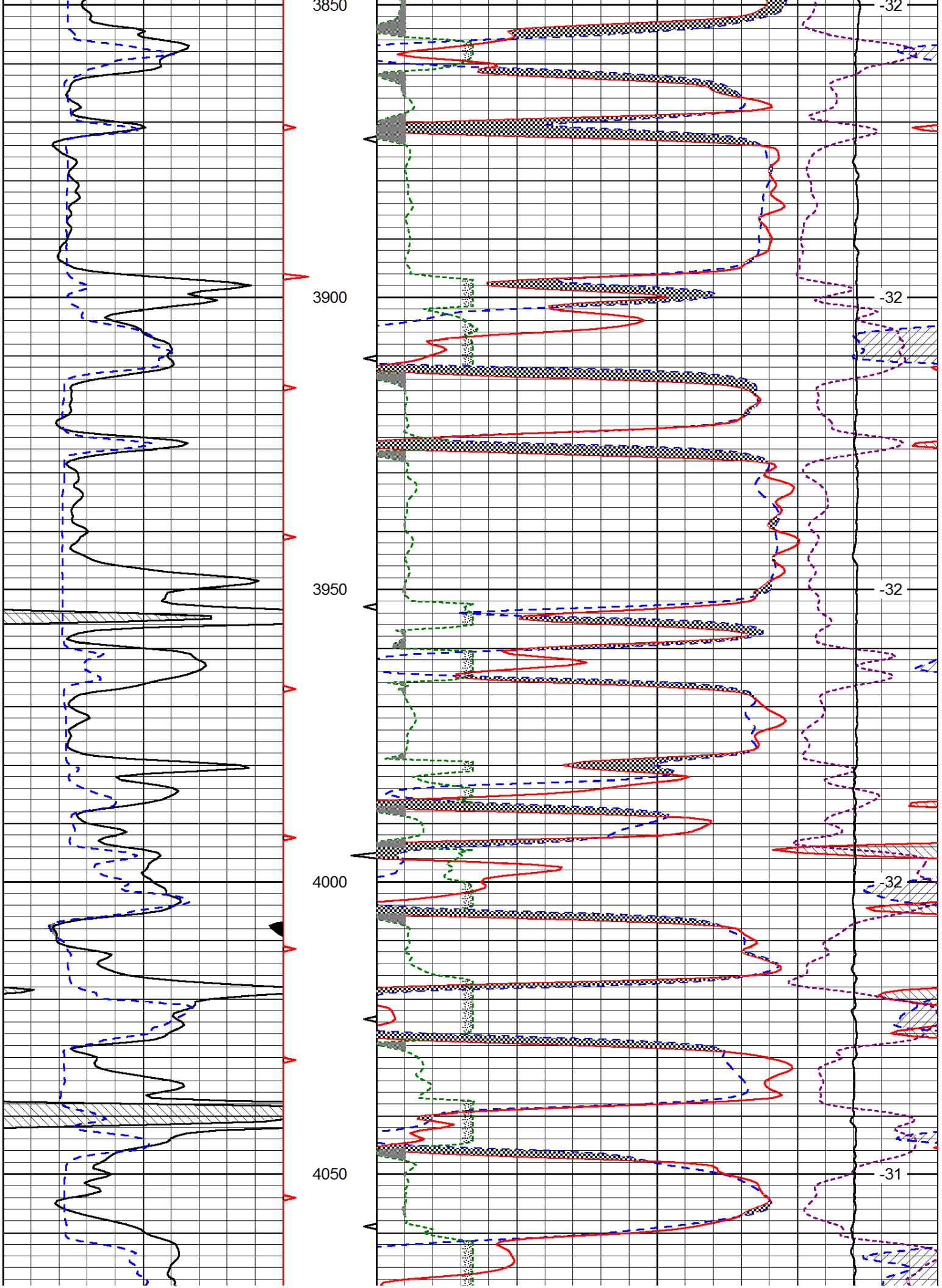

0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density -10
2 Bulk Density 3
15000 Line Tension 0
2.625 DGA 3.425
-0.25 Correction 0.25
LSPD
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
-31
-32
-32
-32
-32
-32
-32
-32
-31

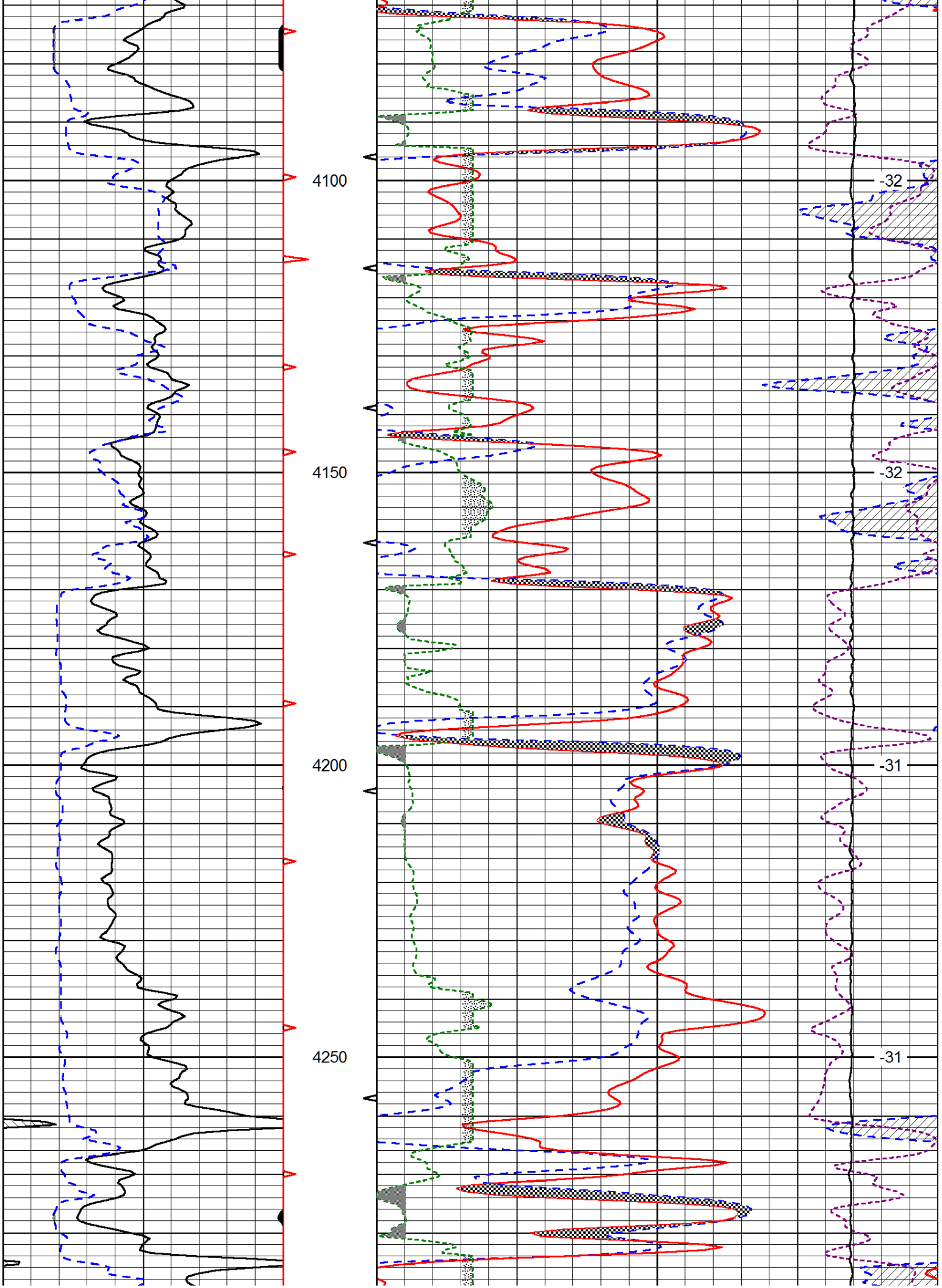


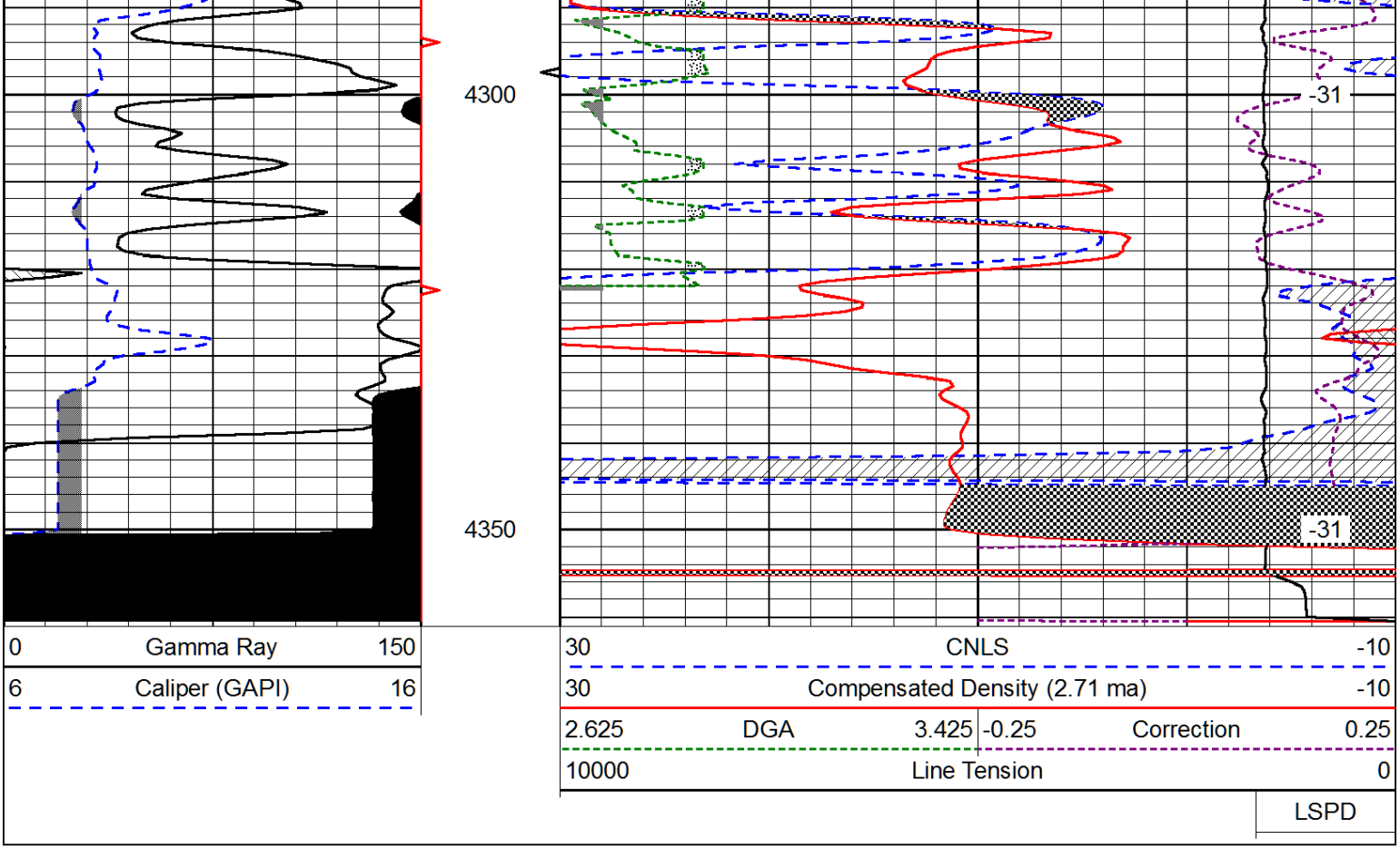
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Charted by: Depth in Feet scaled 1:240




3650
3700
3750
3800
-32
-32
-32


3850
3900
3950
4000
4050
-32
-32
-32
-32
-31


4100
4150
4200
4250
-32
-32
-31
-31


4300
4350
-31
-31
0
Gamma Ray
150
6
Caliper (GAPI)
16
30
CNLS
-10
30
Compensated Density (2.71 ma)
-10
2.625
DGA
3.425
-0.25
Correction
0.25
10000
Line Tension
0
LSPD