LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-083-21,772-00-00

Company American Warrior, Inc.

Well Helfrich-Gleason No.1-5

Field Sawlog Creek South

County Hodgeman State Kansas

Location 1232' FSL & 2506' FEL

Sec: 5 Twp: 24S Rge: 21W

Other Services
DIL
MEL/BHCS

Elevation
K.B. 2374
D.F.
G.L. 2366

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	4/20/2012
Run Number	One
Type Log	CNL / CDL
Depth Driller	4662
Depth Logger	4665
Bottom Logged Interval	4644
Top Logged Interval	3850
Type Fluid In Hole	Chemical
Salinity, PPM CL	5,900
Density	9.2
Level	Full
Max. Rec. Temp. F	123
Operating Rig Time	4 1/2 Hours
Equipment -- Location	17 Hays
Recorded By	C. Desaire
Witnessed By	Harley Sayles

Elevation 2366

Borehole Record

Run No	Bit	From	To
One	12.25	00	221
Two	7.875	221	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	221

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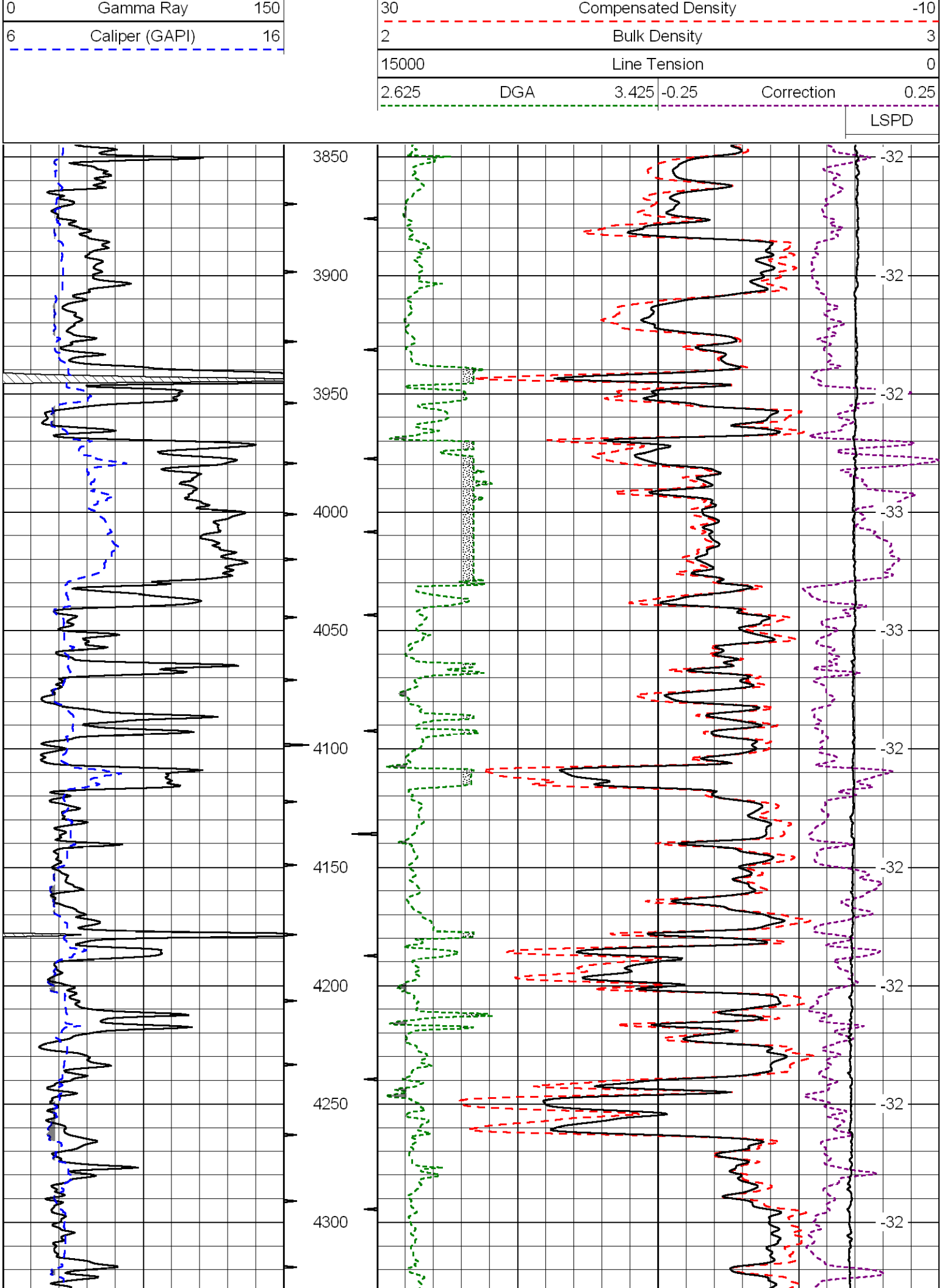
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

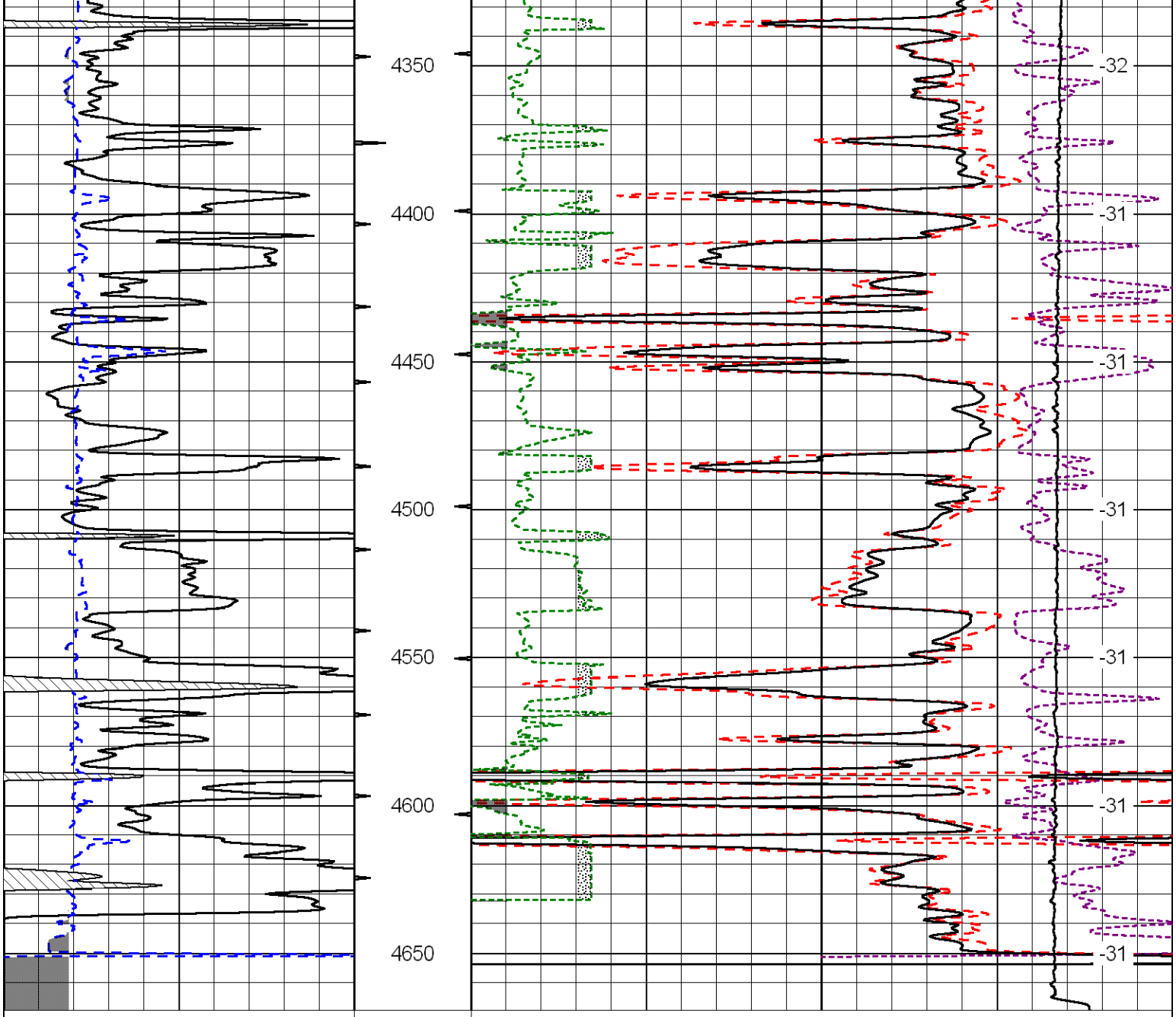
Comments

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

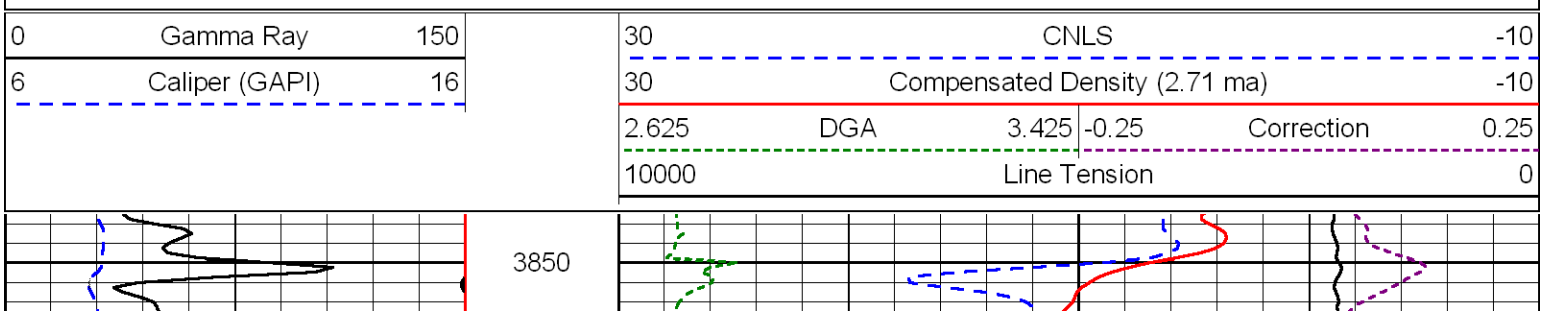
Hanston KS, 4 E to 232 Rd,
S to F Rd, 1/2 W, N Into

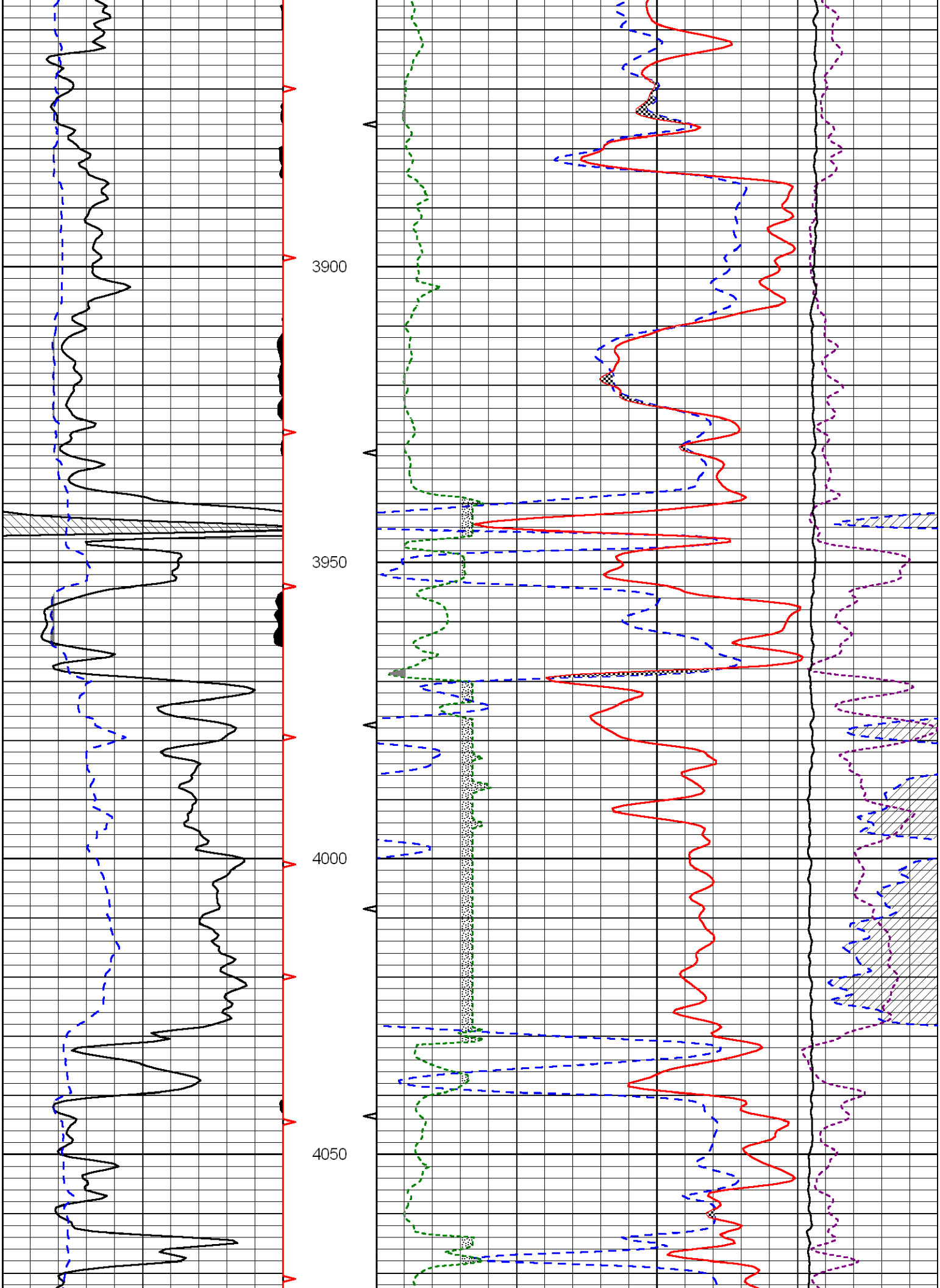
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Charted by: Depth in Feet scaled 1:600

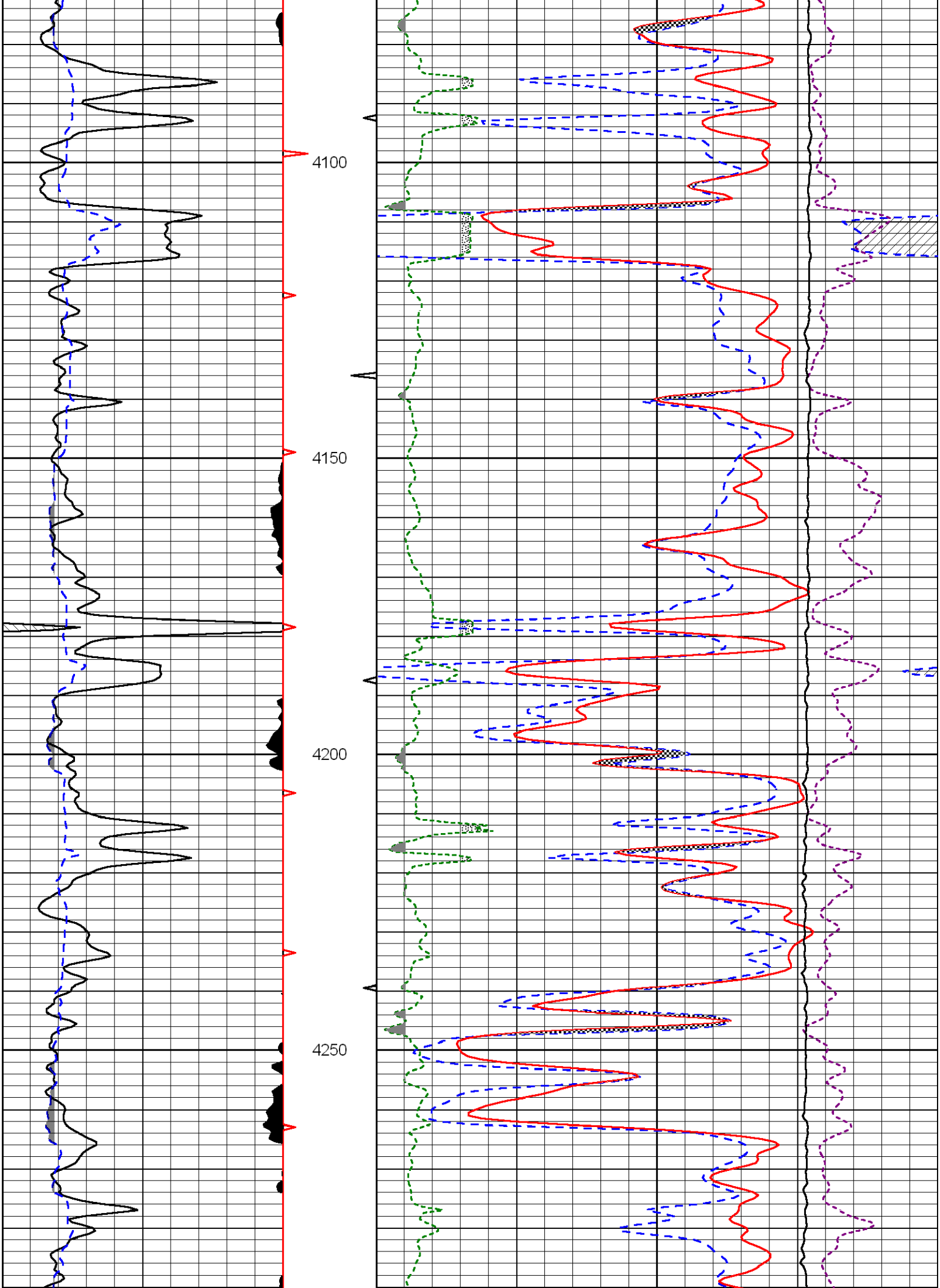

0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density -10
2 Bulk Density 3
15000 Line Tension 0
2.625 DGA 3.425
-0.25 Correction 0.25
LSPD
3850
3900
3950
4000
4050
4100
4150
4200
4250
4300
-32
-32
-32
-33
-33
-32
-32
-32
-32
-32

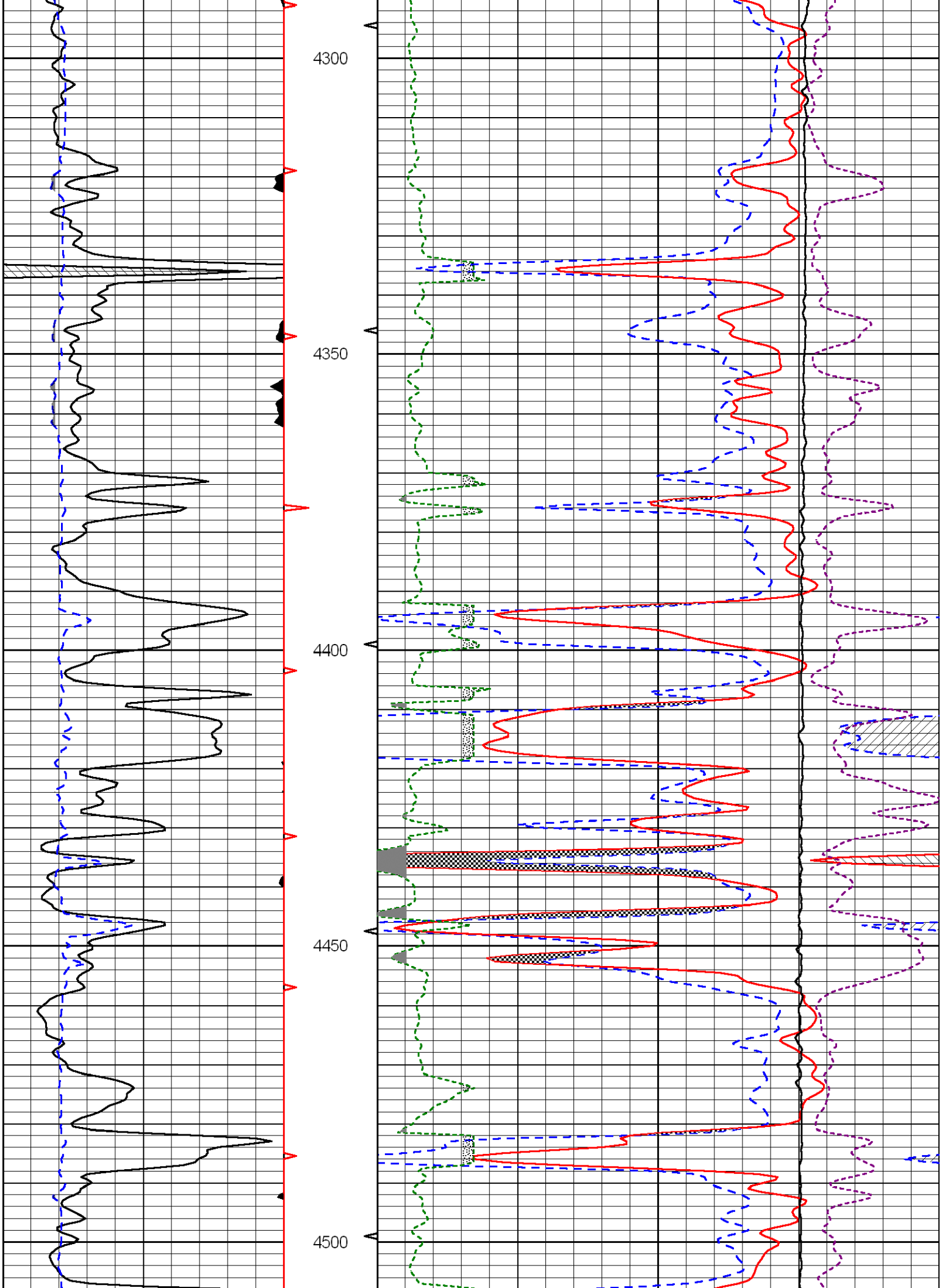


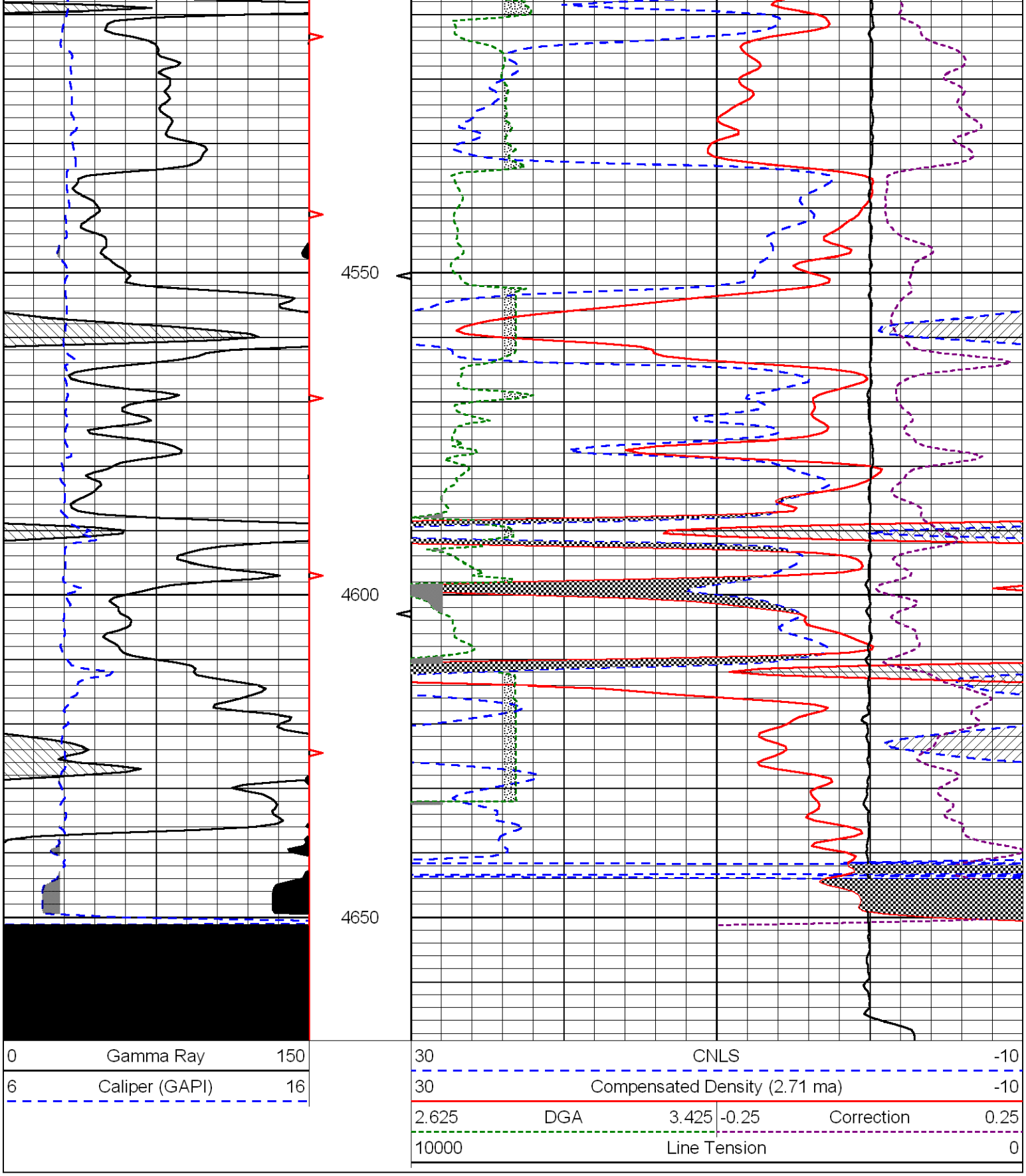
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Dataset Creation: Fri Apr 20 12:23:06 2012
Charted by: Depth in Feet scaled 1:240




3900
3950
4000
4050


4100
4150
4200
4250


4300
4350
4400
4450
4500


4550
4600
4650
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