



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-065-23,877-00-00

Company **Maralex Resources, Inc.**

Well **Baughman Trust No. 33-1**

Field **Unnamed**

County **Graham**

State **Kansas**

Location **660' FSL & 330' FWL**

Other Services
DIL/BHCS

Sec: **33**

Twp: **6s**

Rge: **23w**

Permanent Datum **Ground Level** Elevation **2455**

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

K.B. **2460**
D.F. **2455**
G.L. **2455**

Date **11/20/2012**

Run Number **One**

Type Log **CNL / CDL**

Depth Driller **3970**

Depth Logger **3972**

Bottom Logged Interval **3951**

Top Logged Interval **3400**

Type Fluid In Hole **Chemical**

Salinity, PPM CL **1000**

Density **9.2**

Level **Full**

Max. Rec. Temp. F **116**

Operating Rig Time **4 Hours**

Equipment -- Location **15 Hays**

Recorded By **D.Kerr**

Witnessed By **J.Henrickson**

Clayton Erickson

Borehole Record

Run No Bit From To Size Wgt. From To

One 12.25 00 321 8.625 23# 00 321

Two 7.875 321 TD

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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

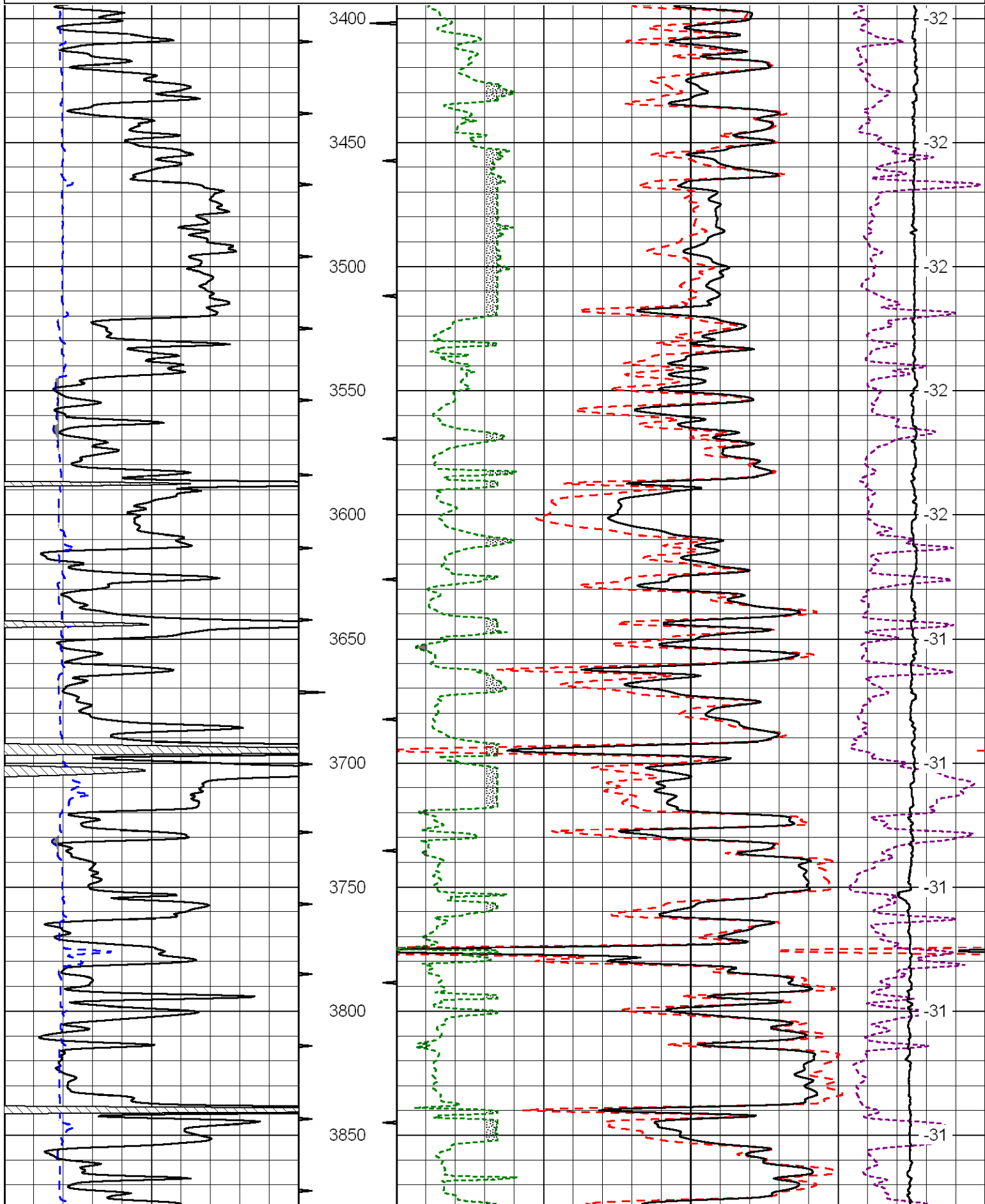
Thank you for using Log-Tech, Inc.
(785) 625-3858

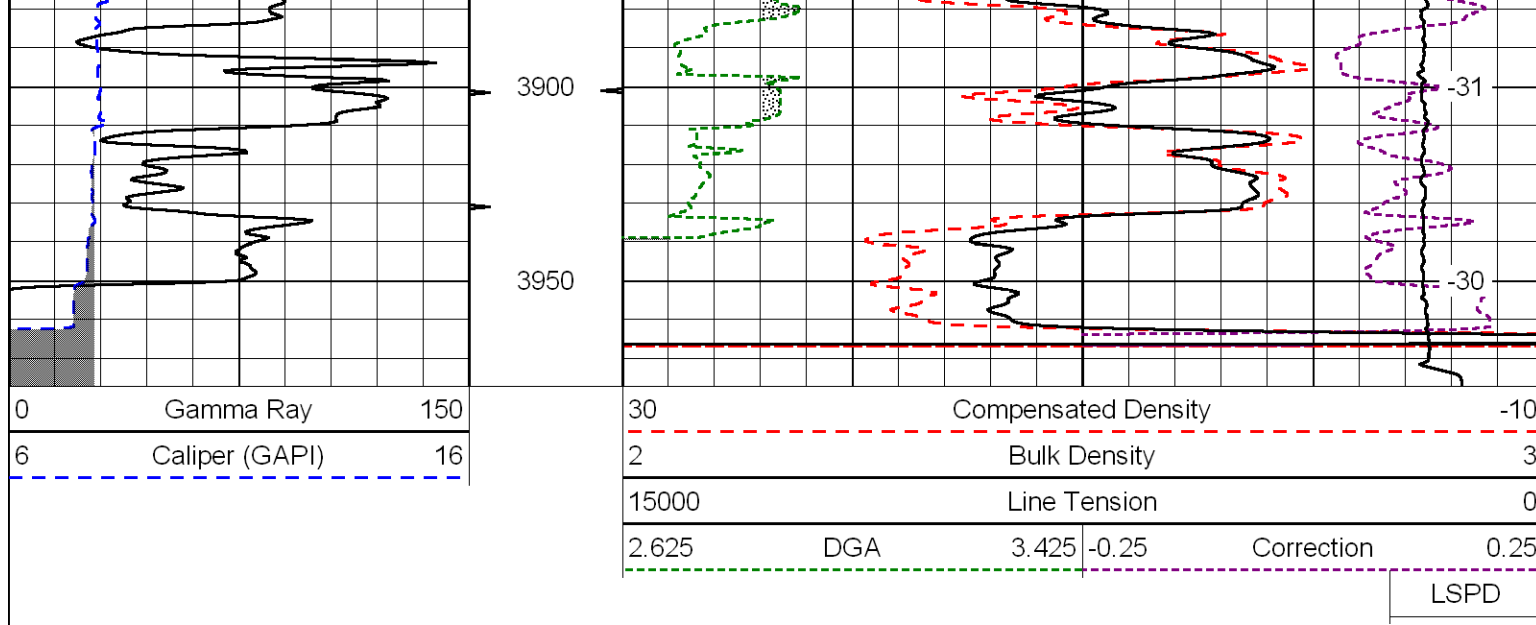
Hill City, North to Y Rd.,
3 West, North Into

Database File: maralex_baughman_33_1hd.db
Dataset Pathname: DIL/marastk
Presentation Format: cdl
Dataset Creation: Tue Nov 20 11:09:22 2012
Charted by: Depth in Feet scaled 1:600

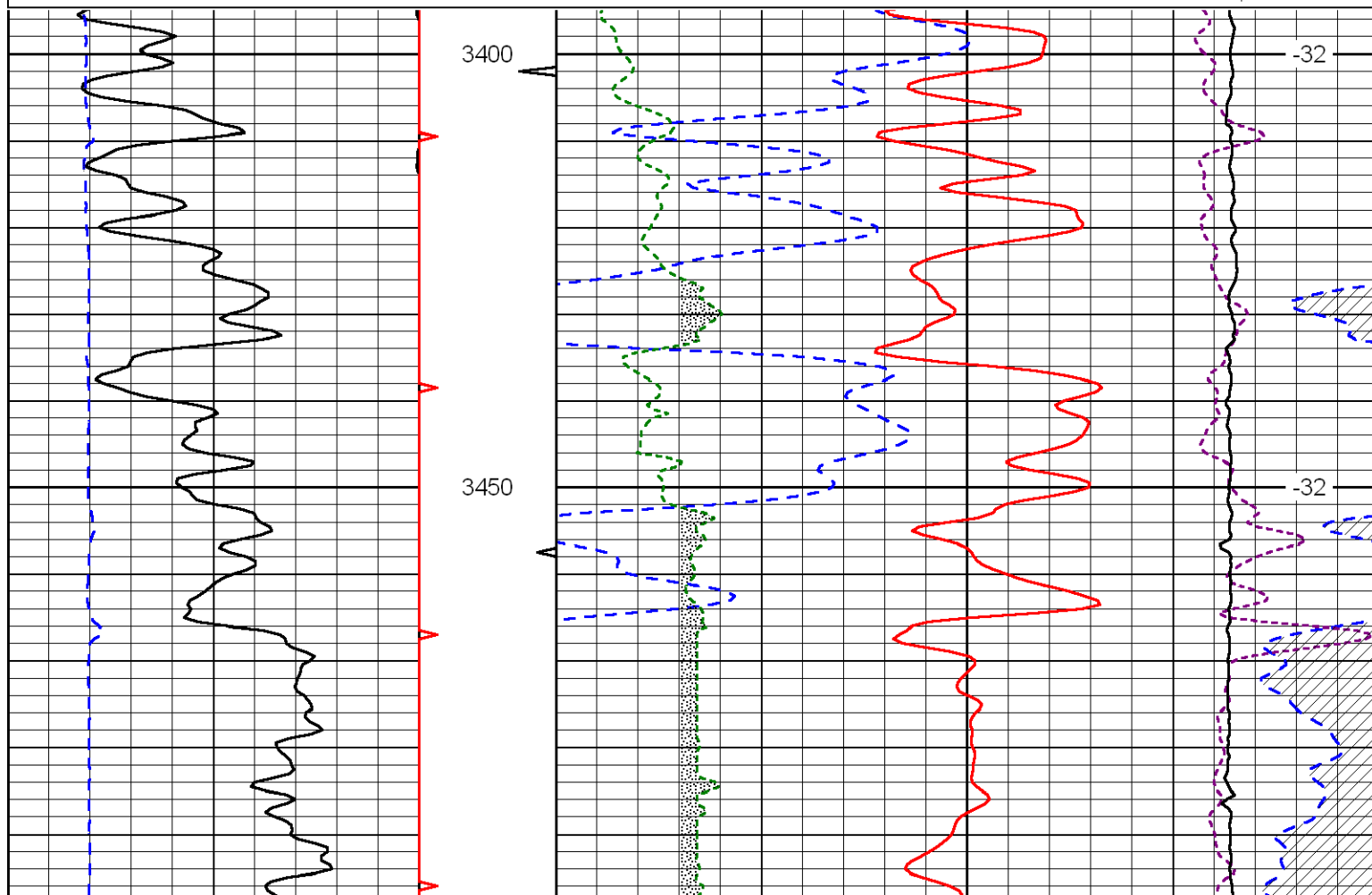
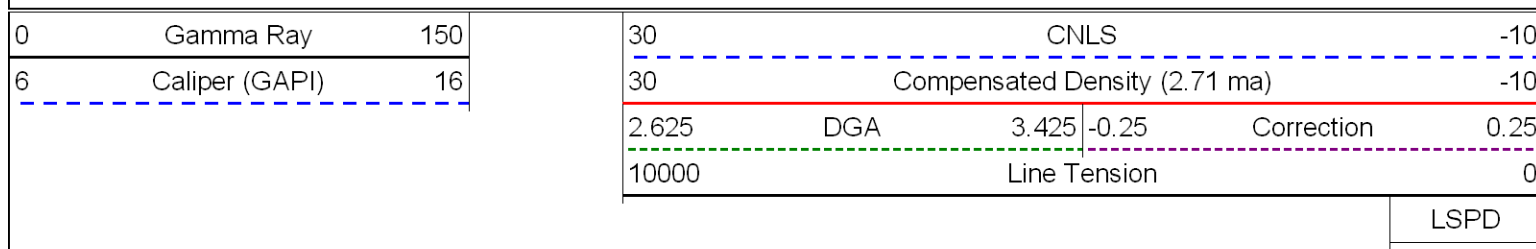
0	Gamma Ray	150
6	Caliper (GAPI)	16

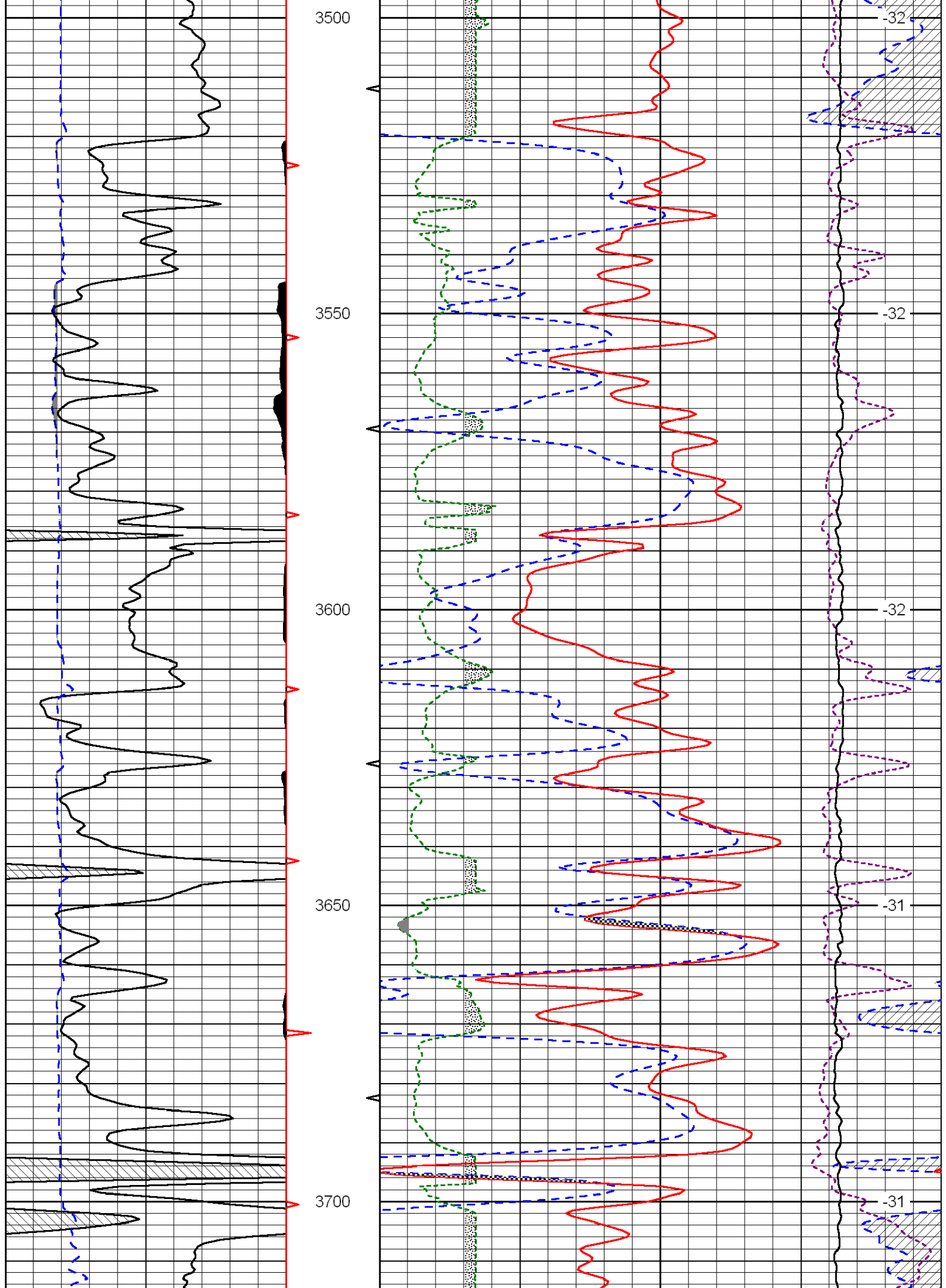
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			

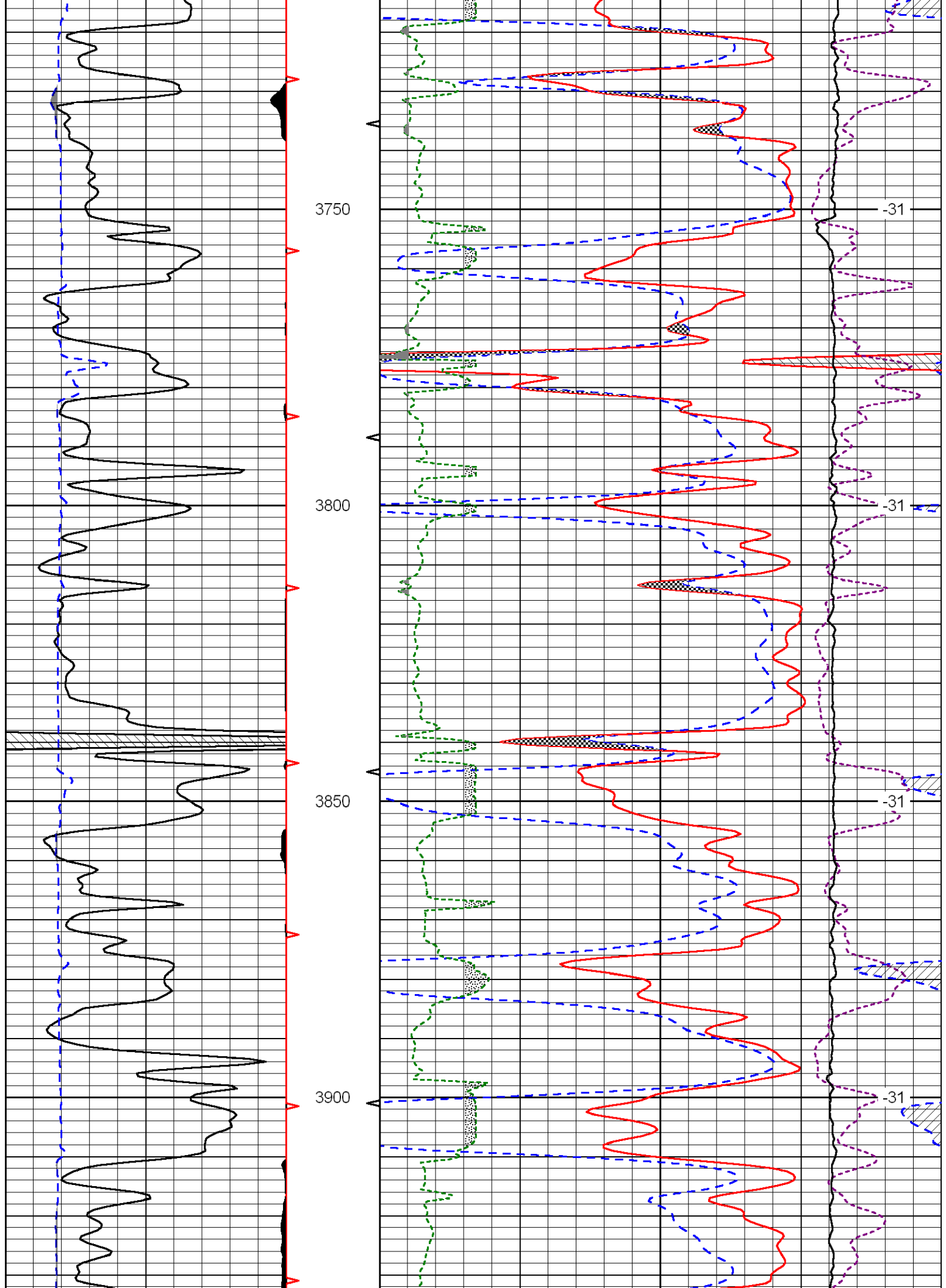




Database File: maralex_baughman_33_1hd.db
 Dataset Pathname: DIL/marastk
 Presentation Format: ondspec
 Dataset Creation: Tue Nov 20 11:09:22 2012
 Charted by: Depth in Feet scaled 1:240



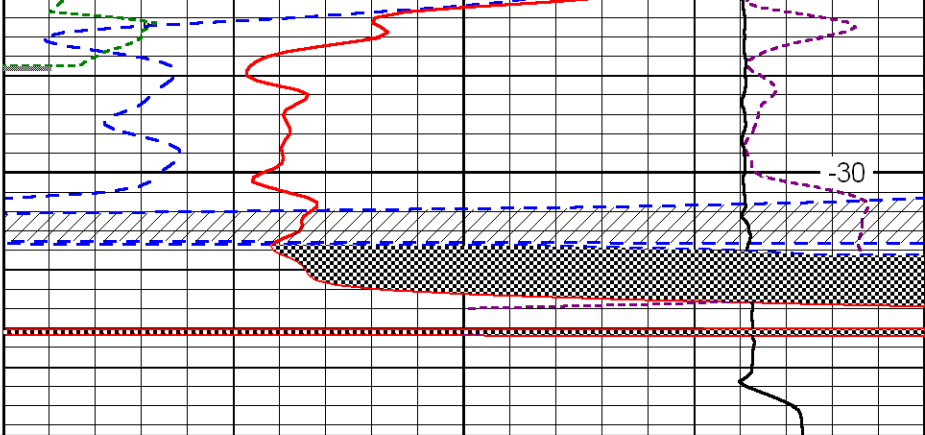






3950

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