



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-051-25,938-00-00

Company Bowman Oil Company

Well Arnhold No. 1

Field Bemis-Shutts

County Ellis

State Kansas

Location 1825' FSL & 2970' FEL

Sec: 13 Twp: 12 S Rge: 18 W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 2142

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

K.B. 2147
D.F.
G.L. 2142

Date 1/24/2010

Run Number One

Type Log CNL / CDL

Depth Driller 3732

Depth Logger 3732

Bottom Logged Interval 3711

Top Logged Interval 3000

Type Fluid In Hole Chemical

Salinity, PPM CL 4,000

Density 9.2

Level Full

Max. Rec. Temp. F 113

Operating Rig Time 3 1/2 Hours

Equipment -- Location 15 Hays

Recorded By B. Becker

Witnessed By Bill Bowman

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	218	8.625	24#	00	218
2	7.875	218	3732				

<<< Fold Here >>>

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.

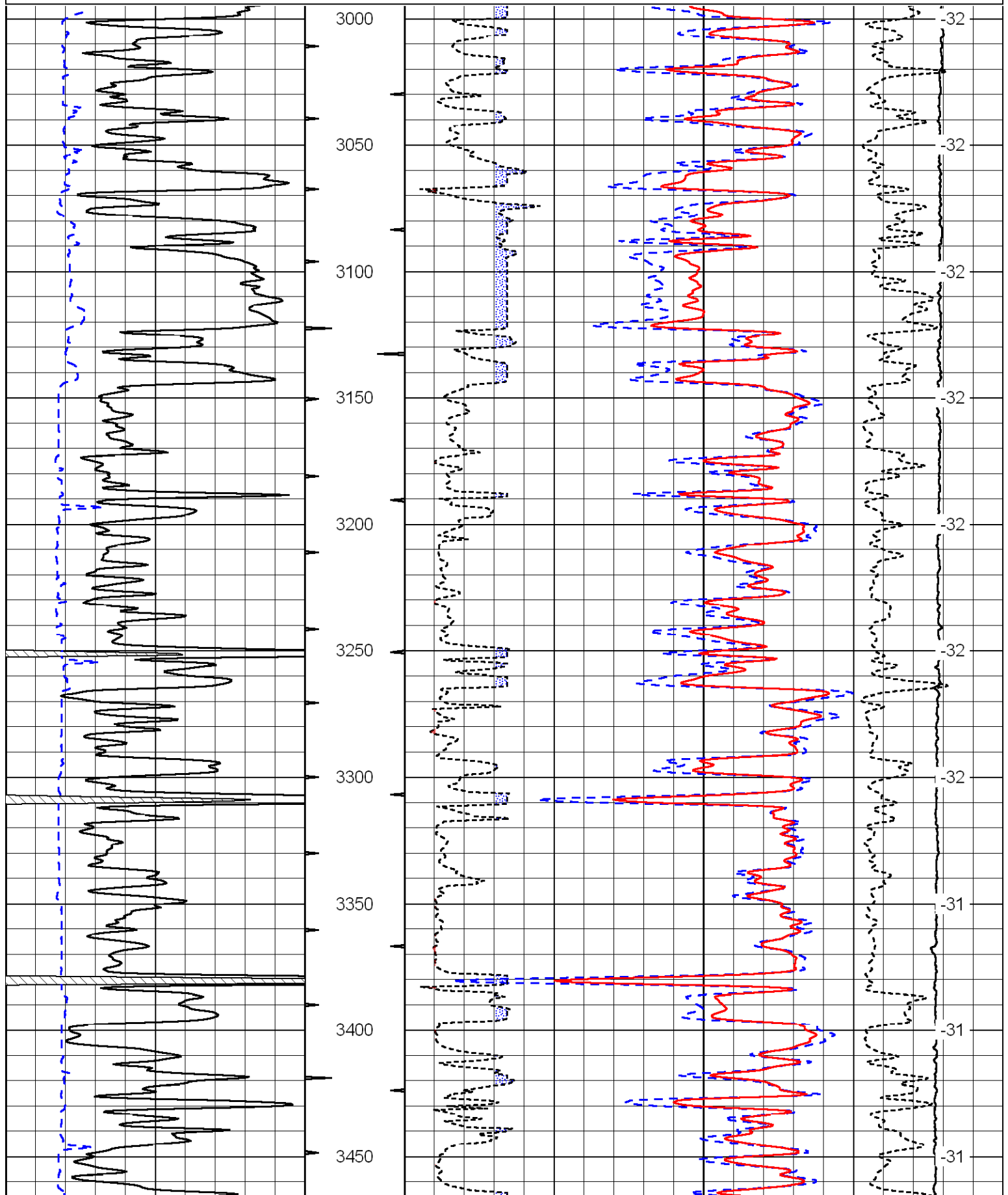
Comments

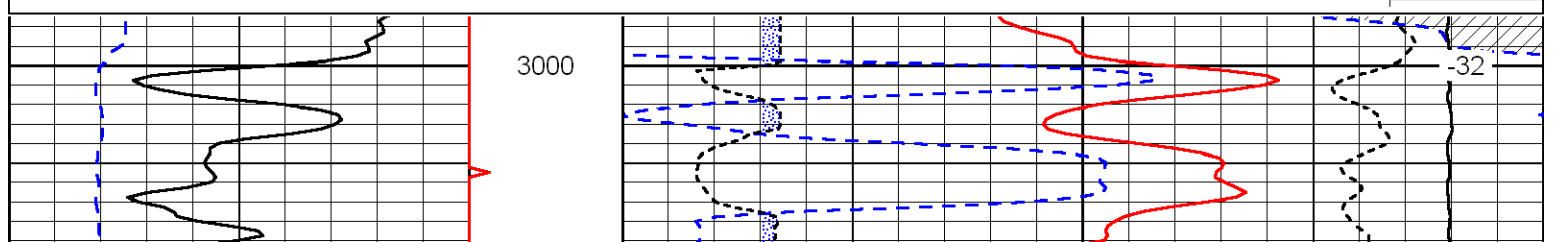
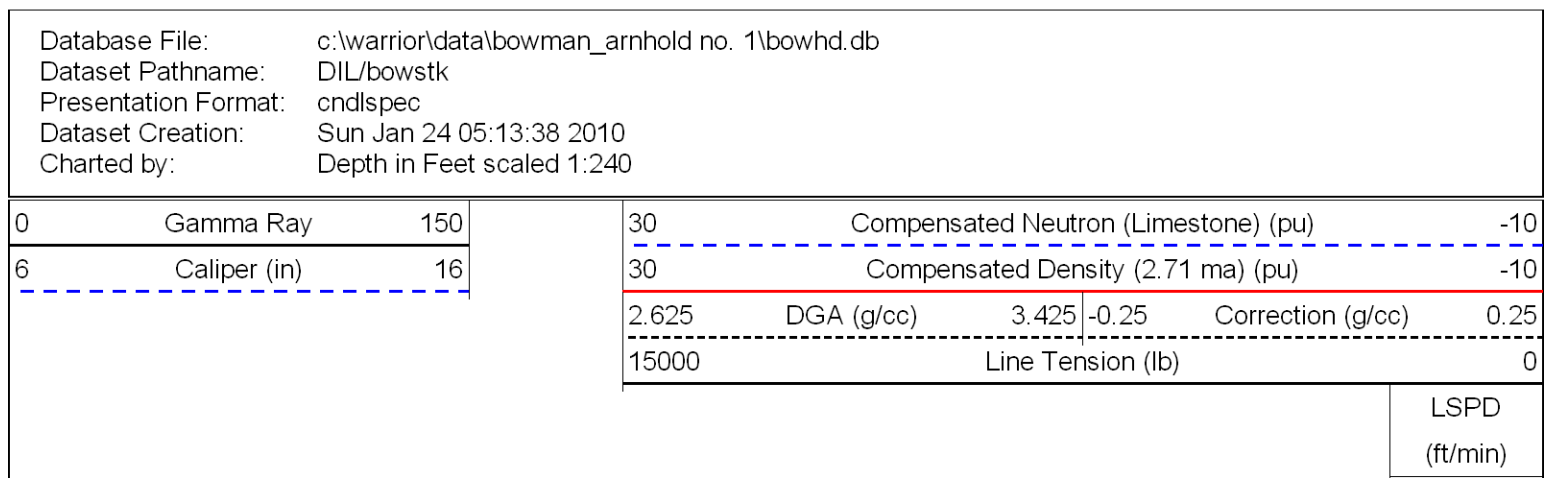
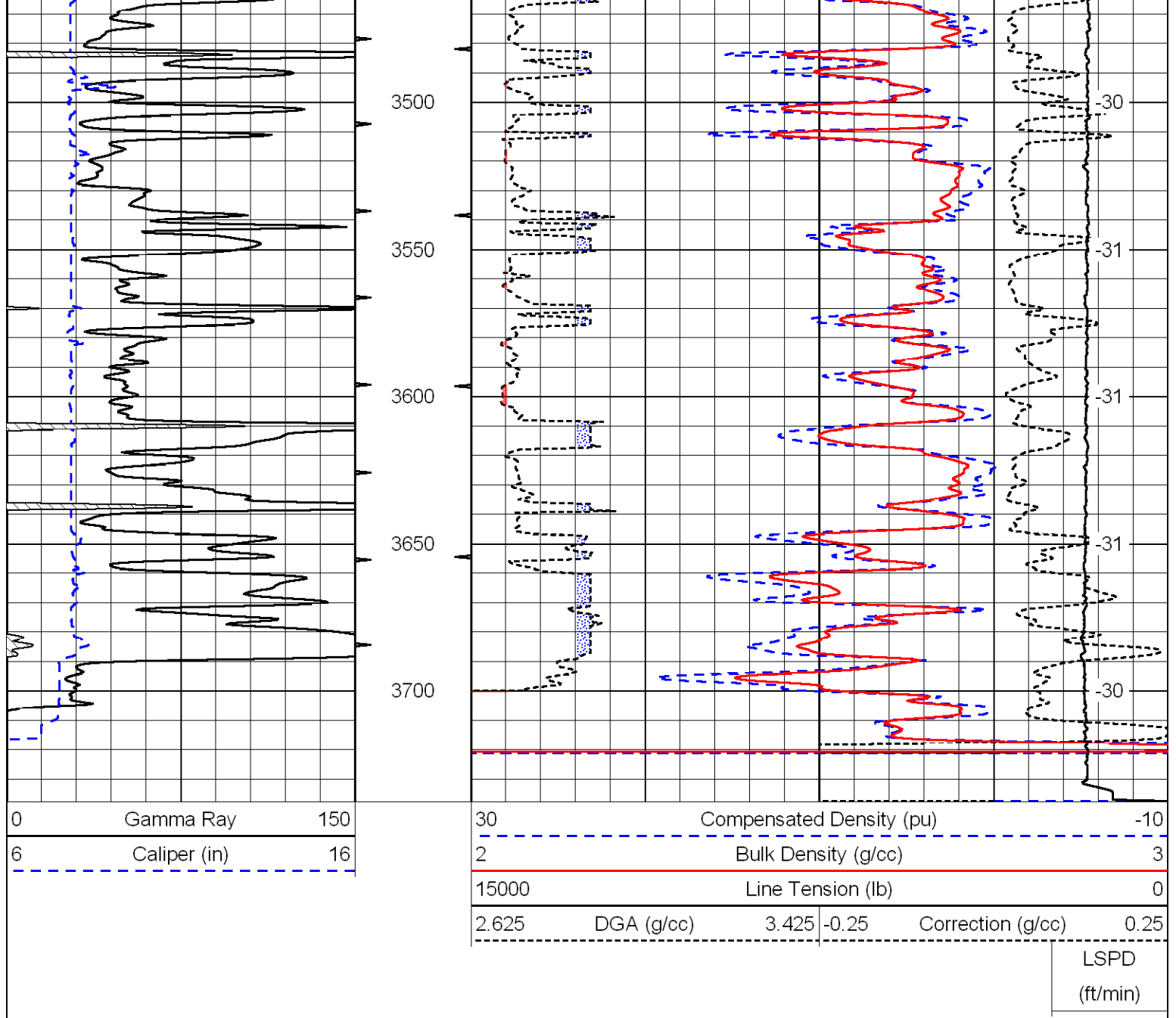
Thank you for using Log-Tech, Inc.
(785) 625-3858

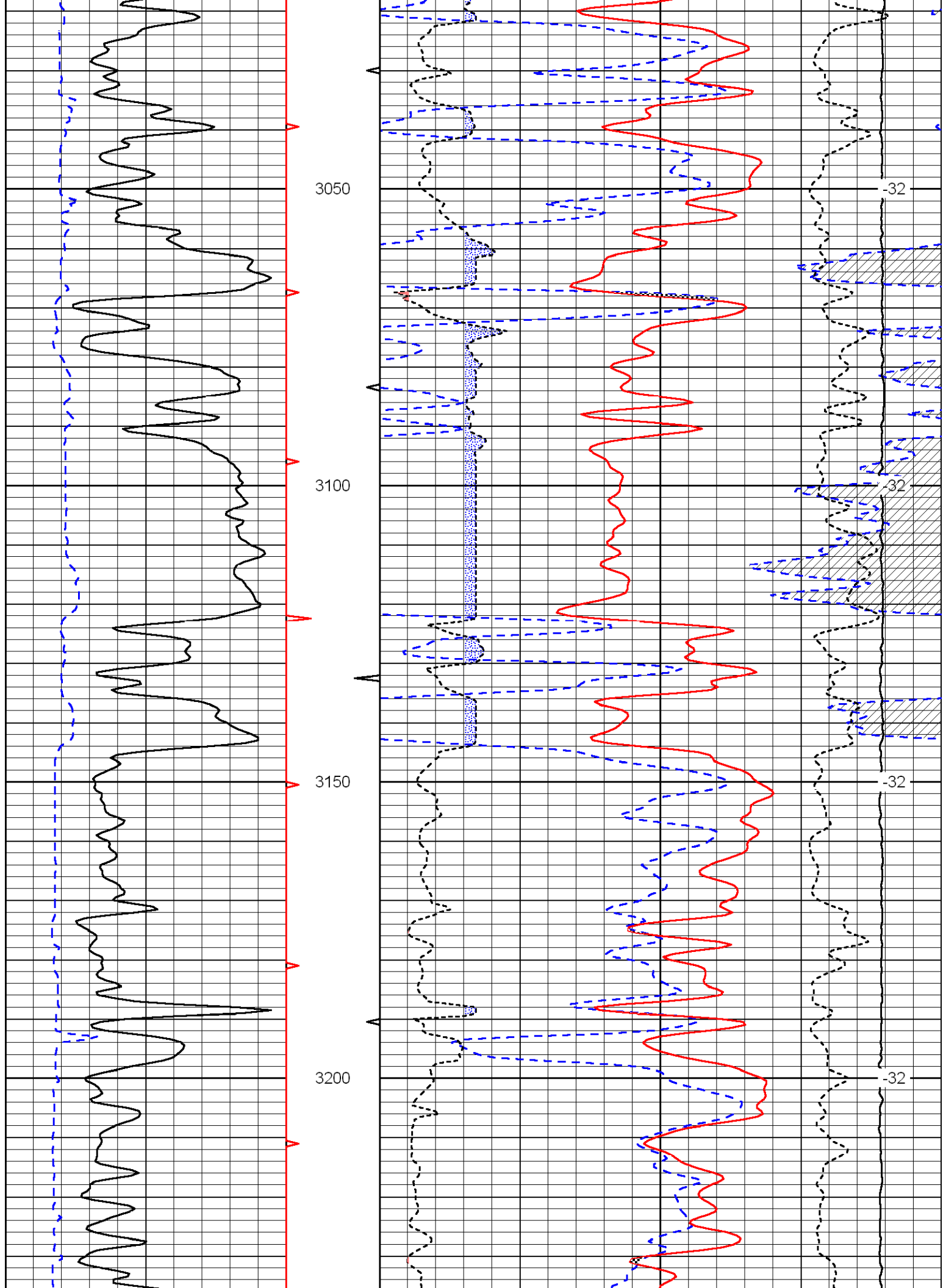
Hays, Ks; North to Buckeye Rd; 2-1/2 East;
North into location

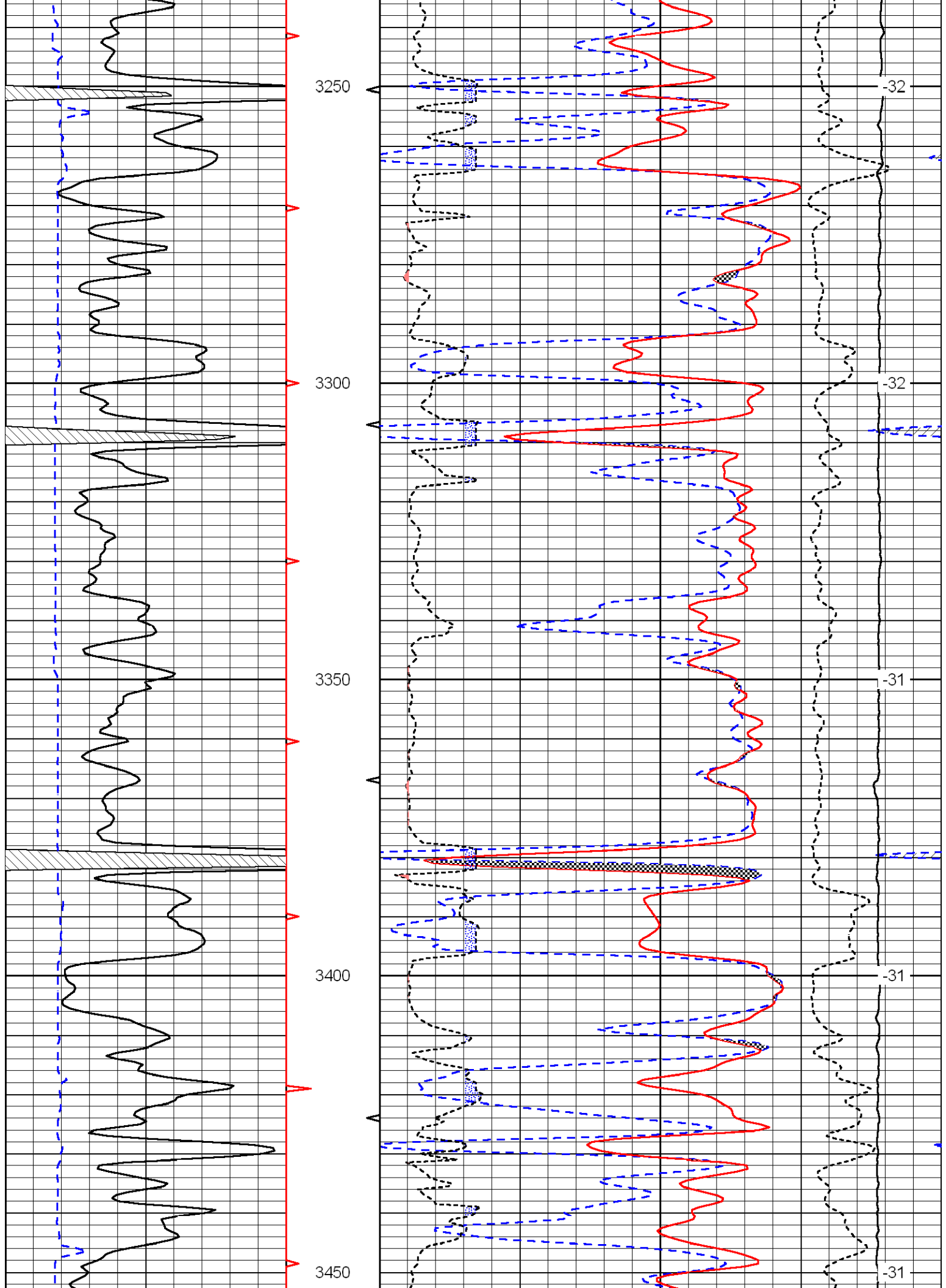
Database File: c:\warrior\data\bowman_arnhold no. 1\bowhd.db
Dataset Pathname: DIL/bowstk
Presentation Format: cdl
Dataset Creation: Sun Jan 24 05:13:38 2010
Charted by: Depth in Feet scaled 1:600

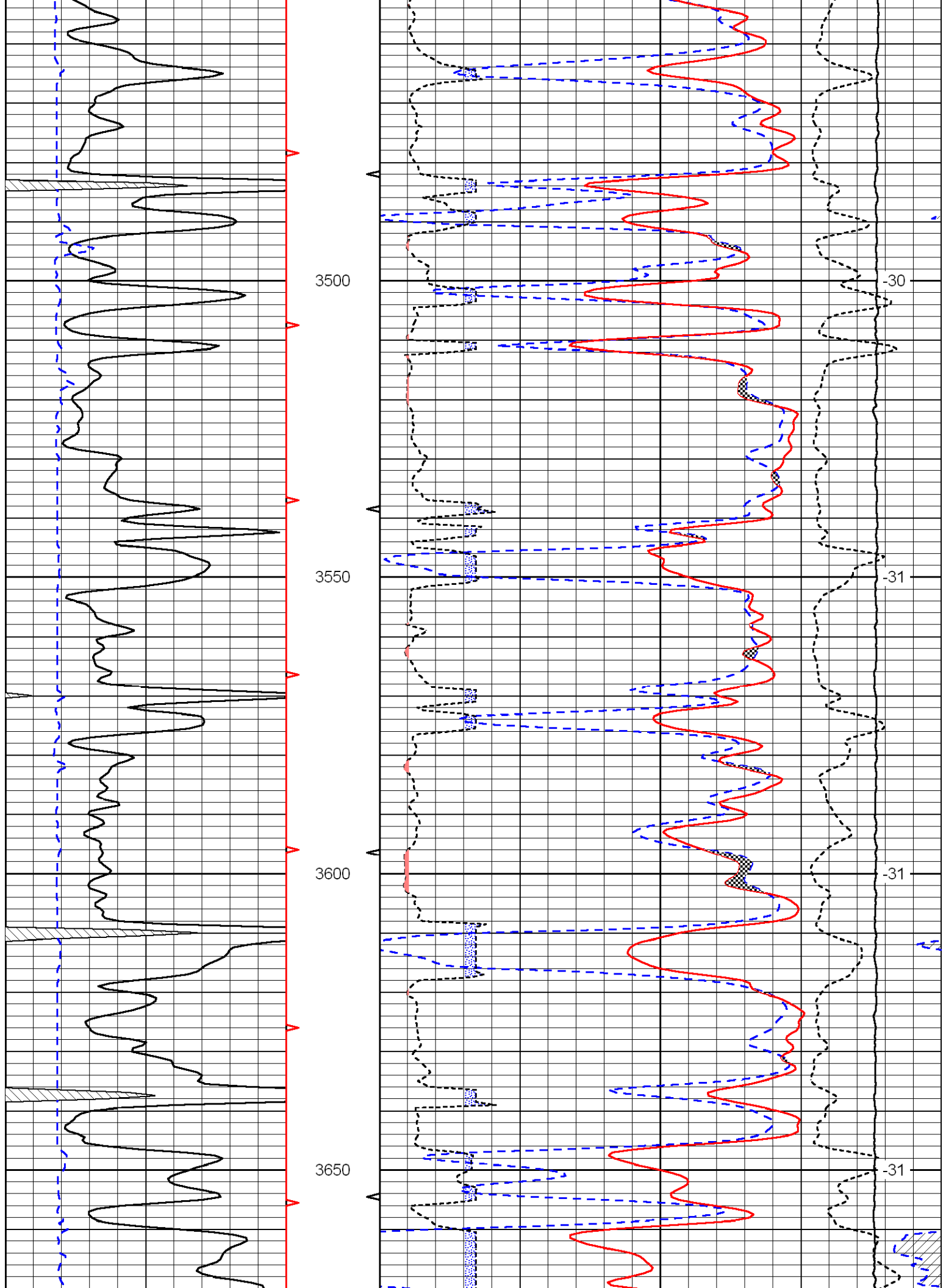
0	Gamma Ray	150	30	Compensated Density (pu)			-10	
6	Caliper (in)	16	2	Bulk Density (g/cc)			3	
			15000	Line Tension (lb)			0	
			2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
							LSPD (ft/min)	

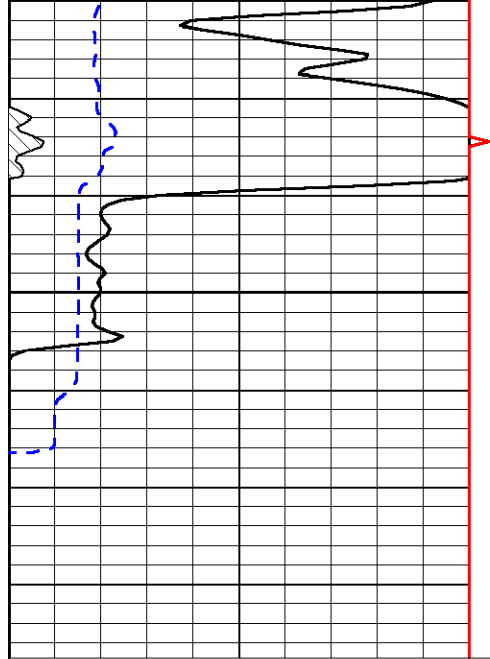






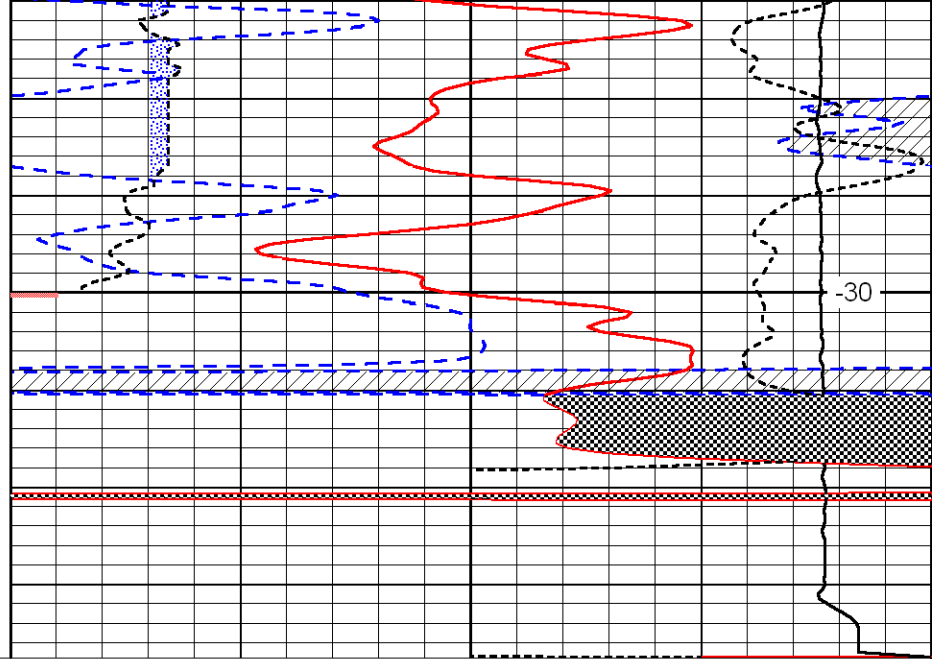






0	Gamma Ray	150
6	Caliper (in)	16

3700



30	Compensated Neutron (Limestone) (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
15000	Line Tension (lb)				0

LSPD (ft/min)
