



Pioneer Energy Services

Dual Compensated Porosity Log

15-051-26,501-00-00

API No.			
Company	TDL, Inc.		
Well	Warren #1		
Field	Schoenchen		
County	Eljis		
Location	2310' FNL & 975' FEL		
State	Kansas		
Sec: 22	Twp: 15S	Rge: 18W	Other Services DIL MEL
Permanent Datum	Ground Level	Elevation 2027	Elevation
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	K.B. 2037
Drilling Measured From	Kelly Bushing		D.F. G.L. 2027

Date	5/4/2013			
Run Number	One			
Type Log	CNL / CDL			
Depth Driller	3750			
Depth Logger	3752			
Bottom Logged Interval	3731			
Top Logged Interval	2900			
Type Fluid In Hole	Chemical			
Salinity, PPM CL	5,000			
Density Level	9.5			
Max. Rec. Temp. F	Full			
Operating Rig Time	114			
Equipment -- Location	4 Hours			
Recorded By	17 Hays			
Witnessed By	Tom Denning		Herb Deines	

Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	222	8.625	24#	00	222
2	7.875	222	3750				

<<< 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

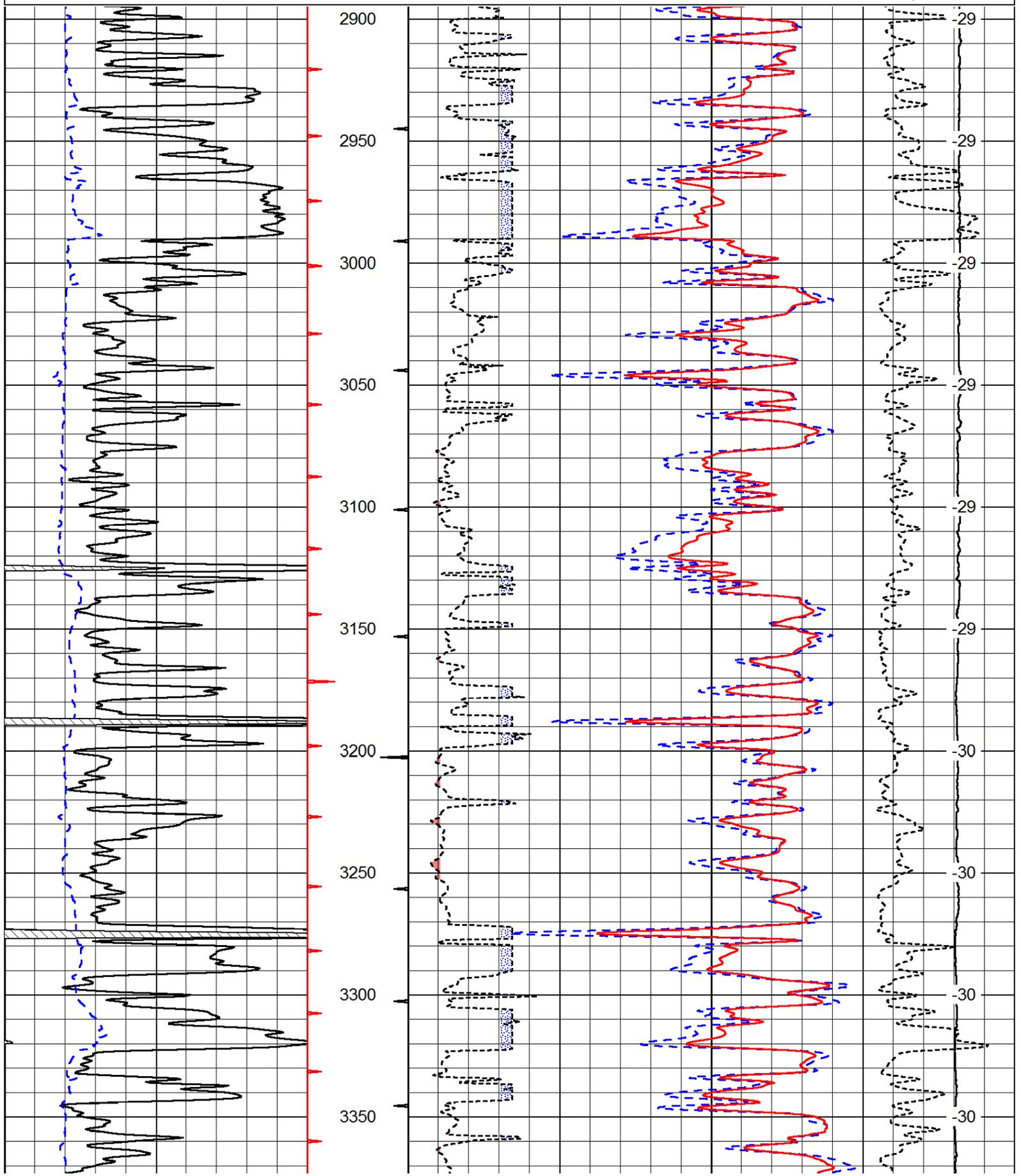
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

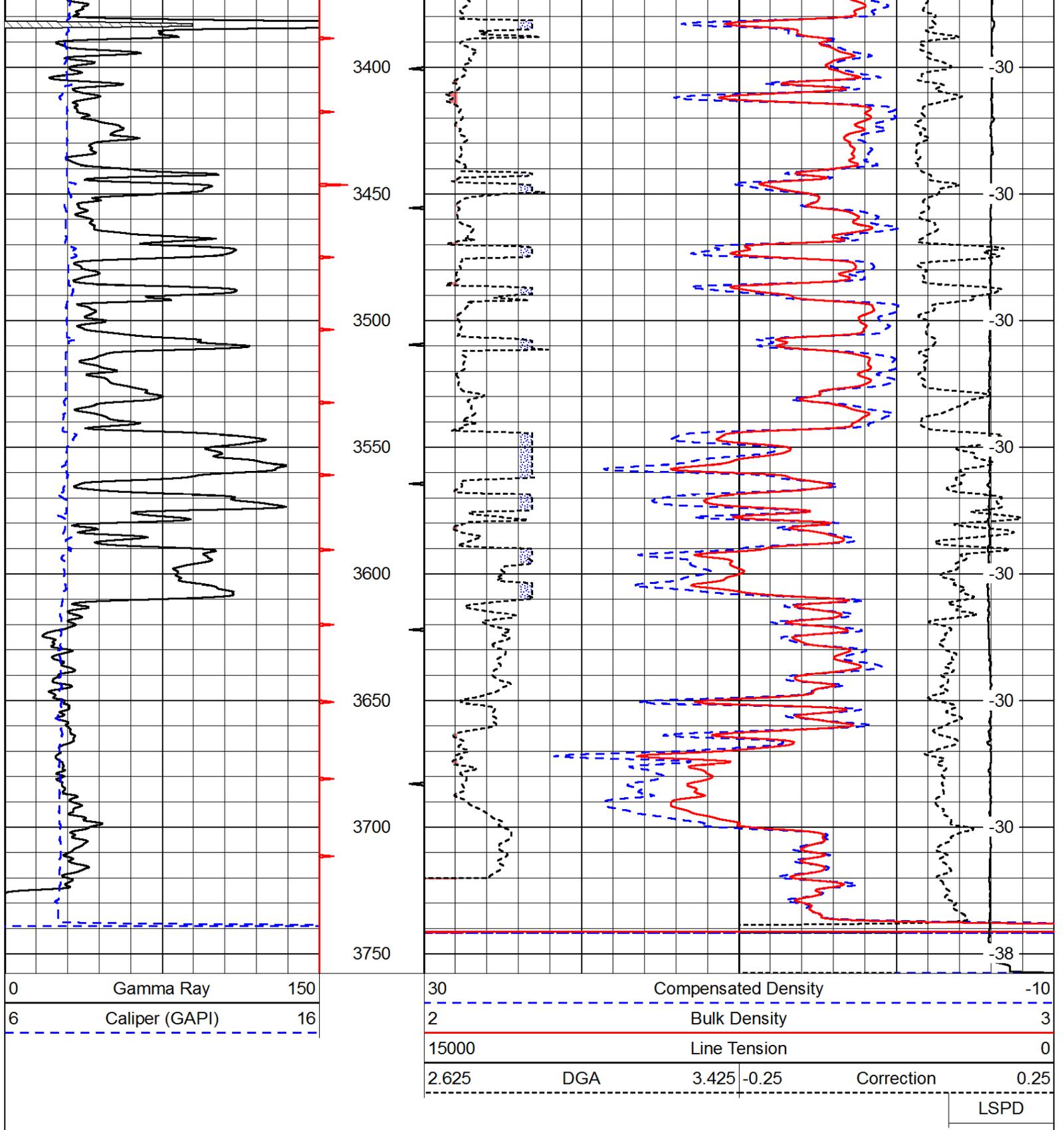
 Hays KS, S on Hwy 183 to Mack Dealership,
 1 E, 1/2 S, W Into

Database File: c:\warrior\data\tjd_warren #1\tjdihd.db
 Dataset Pathname: dil\tdistk
 Presentation Format: cdl
 Dataset Creation: Sat May 04 11:01:33 2013
 Charted by: Depth in Feet scaled 1:600

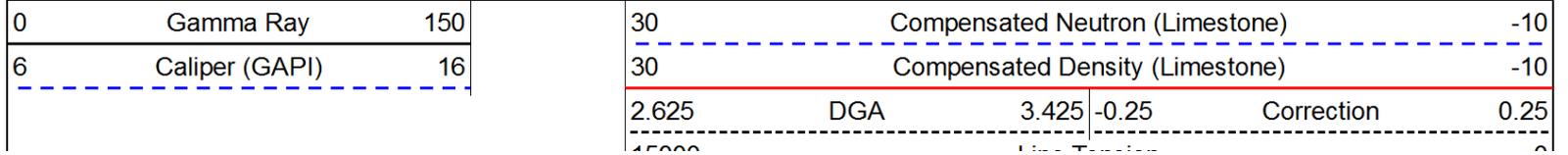
0	Gamma Ray	150
6	Caliper (GAPI)	16

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

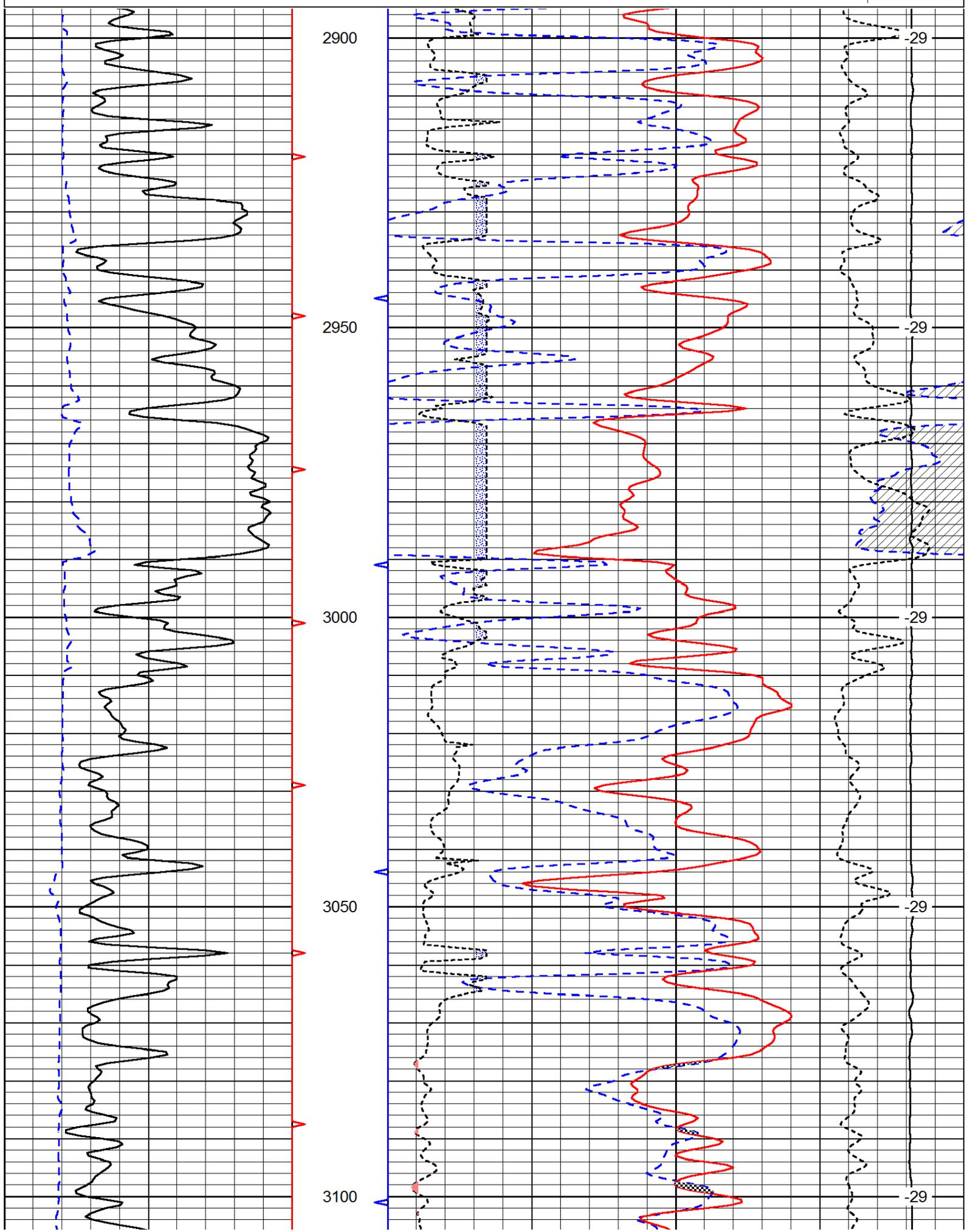


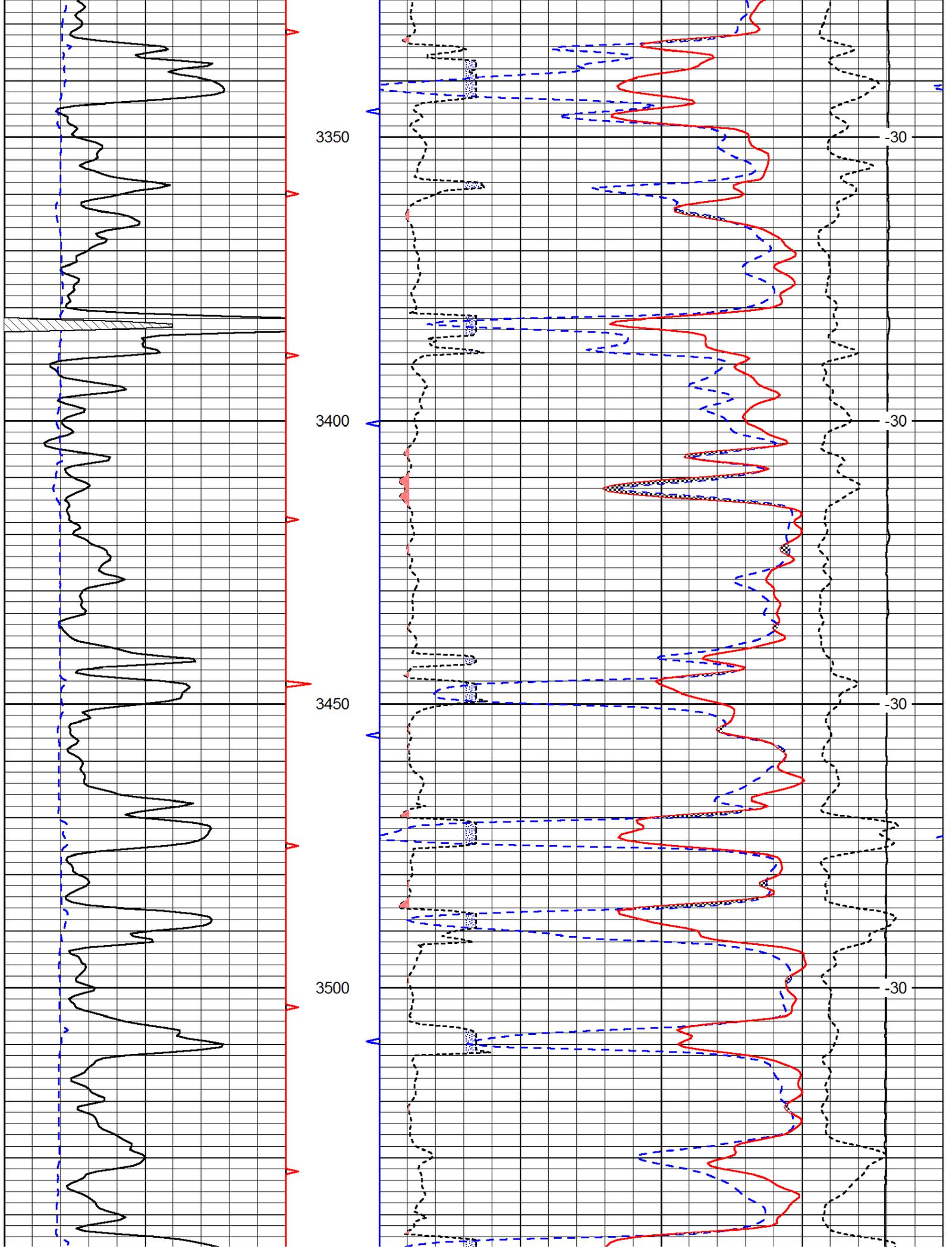


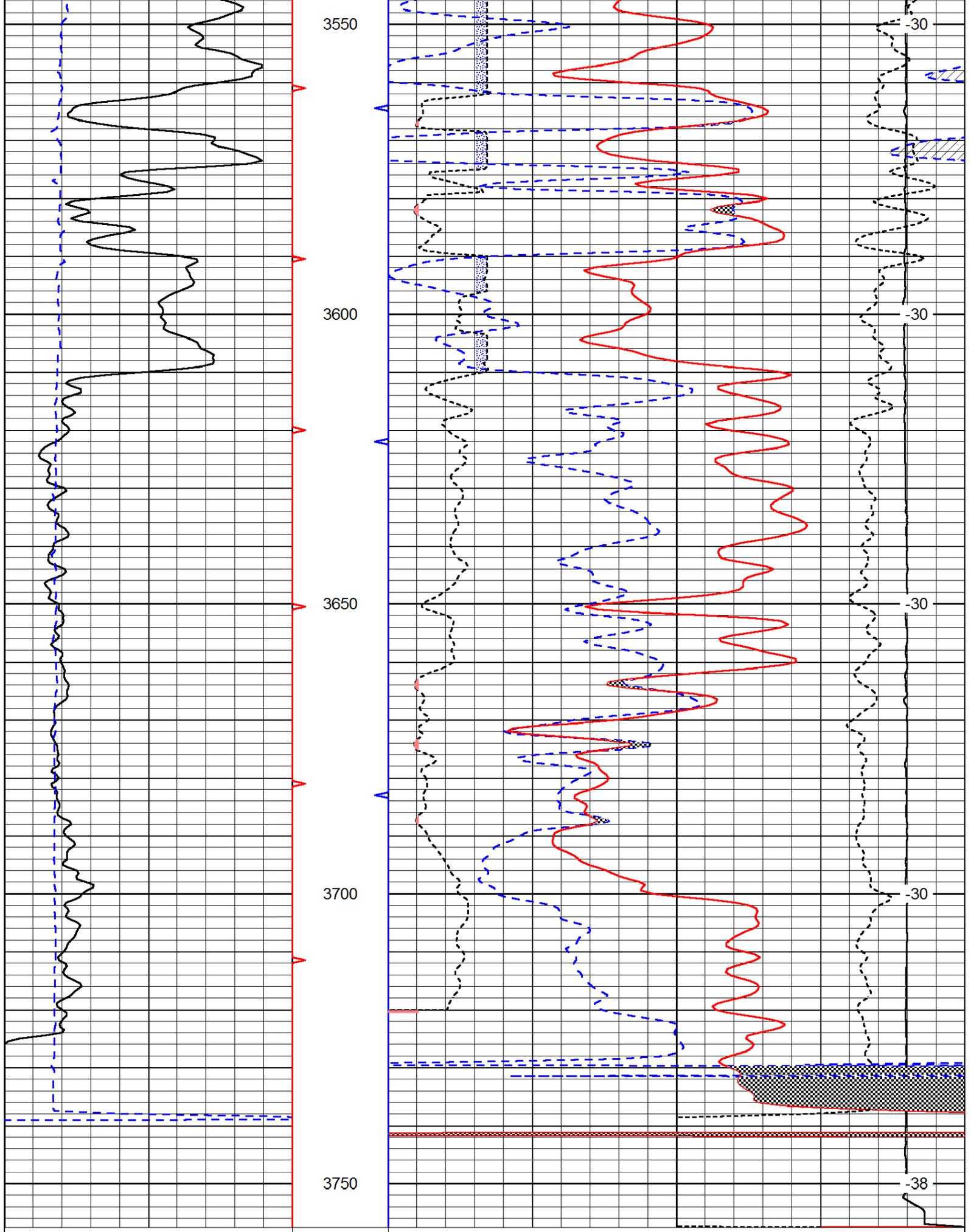
Database File: c:\warrior\data\tdi_warren #1\tdihd.db
 Dataset Pathname: dil/tdistk
 Presentation Format: cndlspec
 Dataset Creation: Sat May 04 11:01:33 2013
 Charted by: Depth in Feet scaled 1:240



LSPD







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