LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-051-26,186-00-00

Company TDI, Inc.
Well Munsch No. 5
Field Schoenchen
County Ellis State Kansas

Location
E2 SW SE SE
330' FSL & 945' FEL
Sec: 9 Twp: 15S Rge: 18W

Other Services
DIL
MEL

Elevation
K.B. 2046
D.F.
G.L. 2036

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	9/21/2011
Run Number	One
Type Log	CNL / CDL
Depth Driller	3750
Depth Logger	3749
Bottom Logged Interval	3729
Top Logged Interval	2900
Type Fluid In Hole	Chemical
Salinity, PPM CL	1800
Density	9.2
Level	Full
Max. Rec. Temp. F	114
Operating Rig Time	4 Hours
Equipment -- Location	10 Hays
Recorded By	J. Long
Witnessed By	Herb Deines

Borehole Record

Run No	Bit	From	To
One	12.25	0	225
Two	7.875	225	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	0	223
		Tom Denning	

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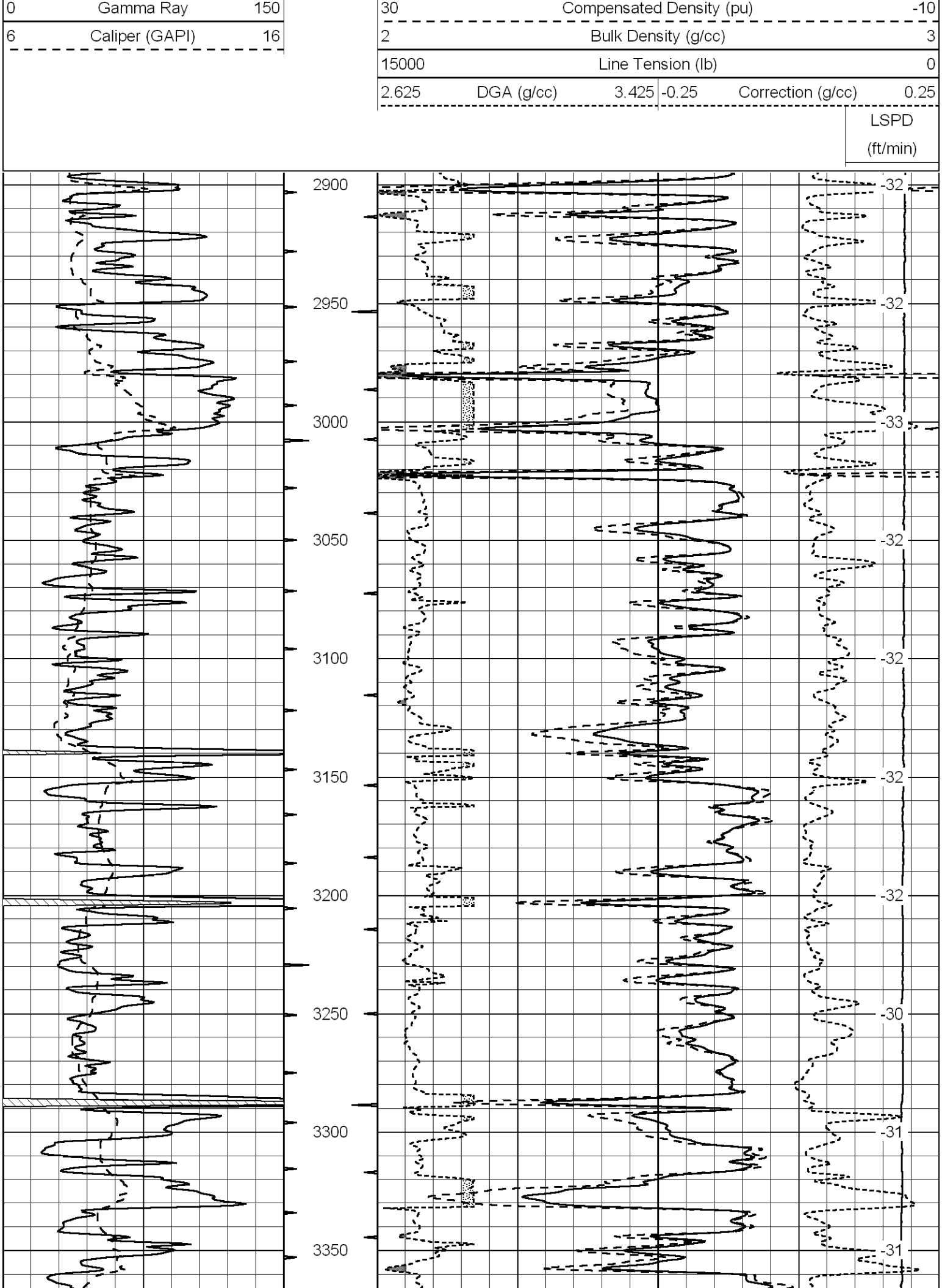
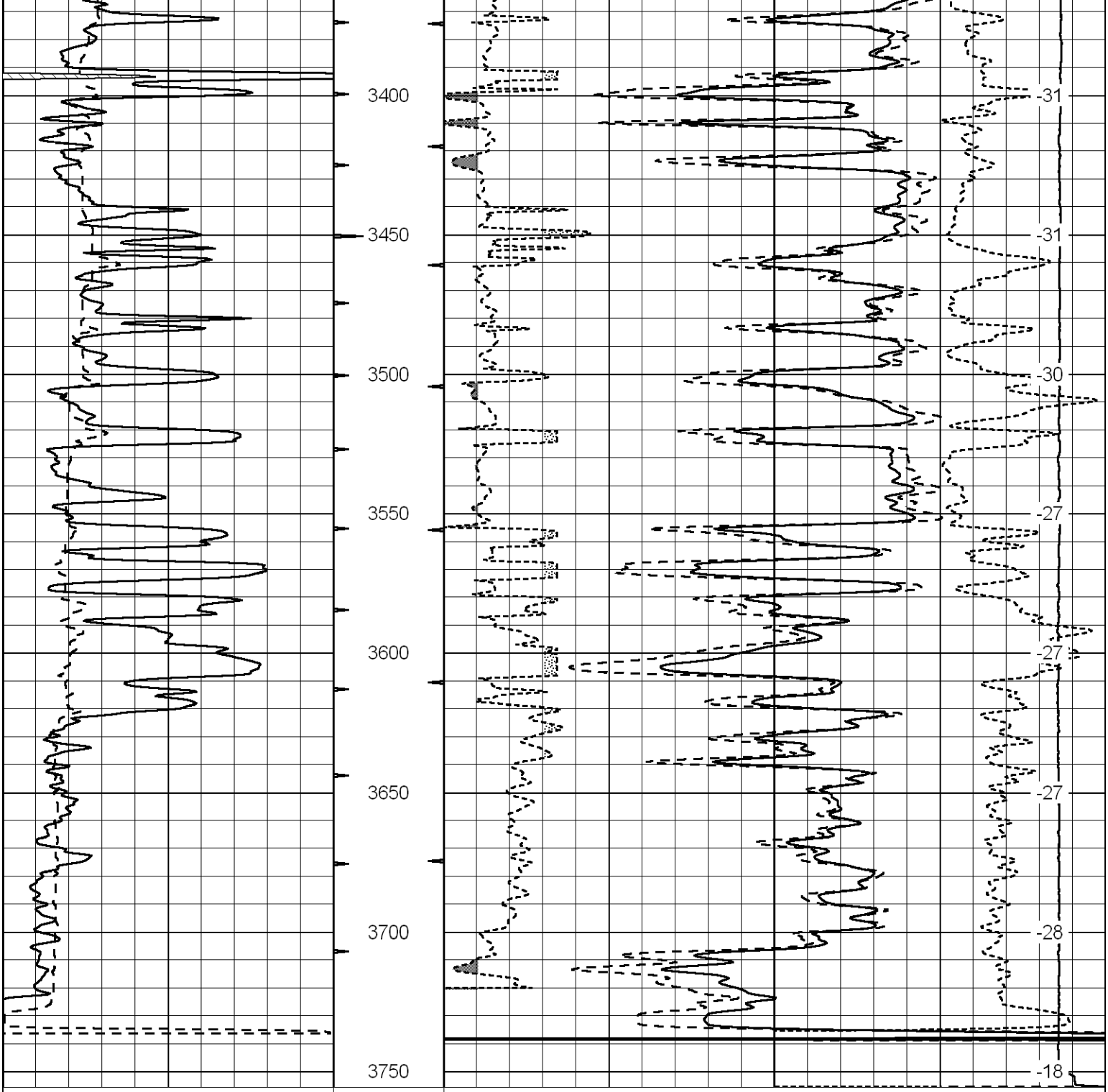
Comments

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

Hays, 7 South to Norfolk Road, 1/4 West, North Into

Database File:	tdi_munsch_5hd.db
Dataset Pathname:	dil/tdineut2
Presentation Format:	cdl
Dataset Creation:	Wed Sep 21 14:47:28 2011
Charted by:	Depth in Feet scaled 1:600


0 Gamma Ray 150
6 Caliper (GAPI) 16
30 Compensated Density (pu) -10
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)
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
-32
-32
-33
-32
-32
-32
-30
-31
-31



0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density (pu)				-10
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)

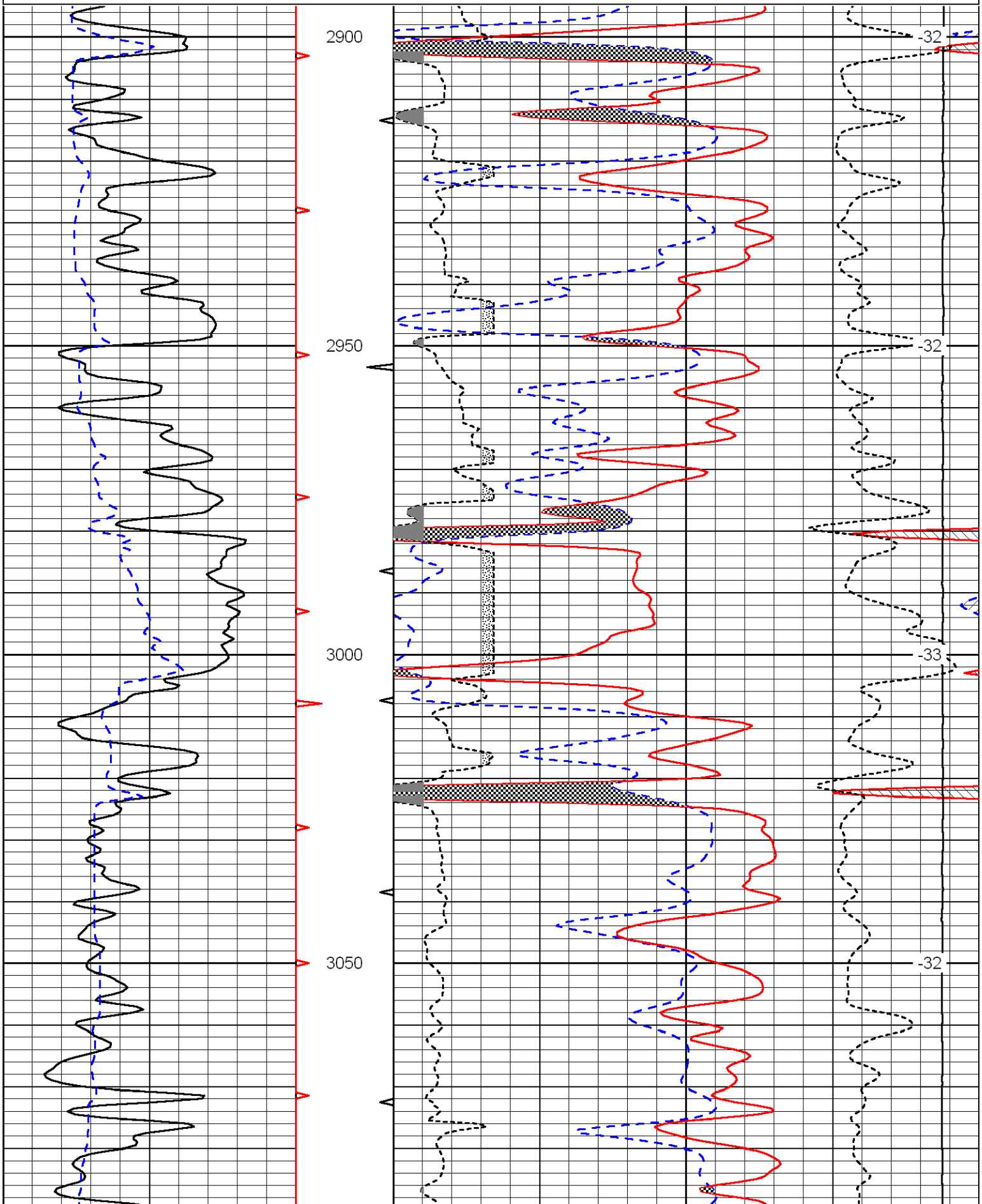
Database File:	tdi_munsch_5hd.db
Dataset Pathname:	dil/tdineut2
Presentation Format:	cndlspec
Dataset Creation:	Wed Sep 21 14:47:28 2011
Charted by:	Depth in Feet scaled 1:240

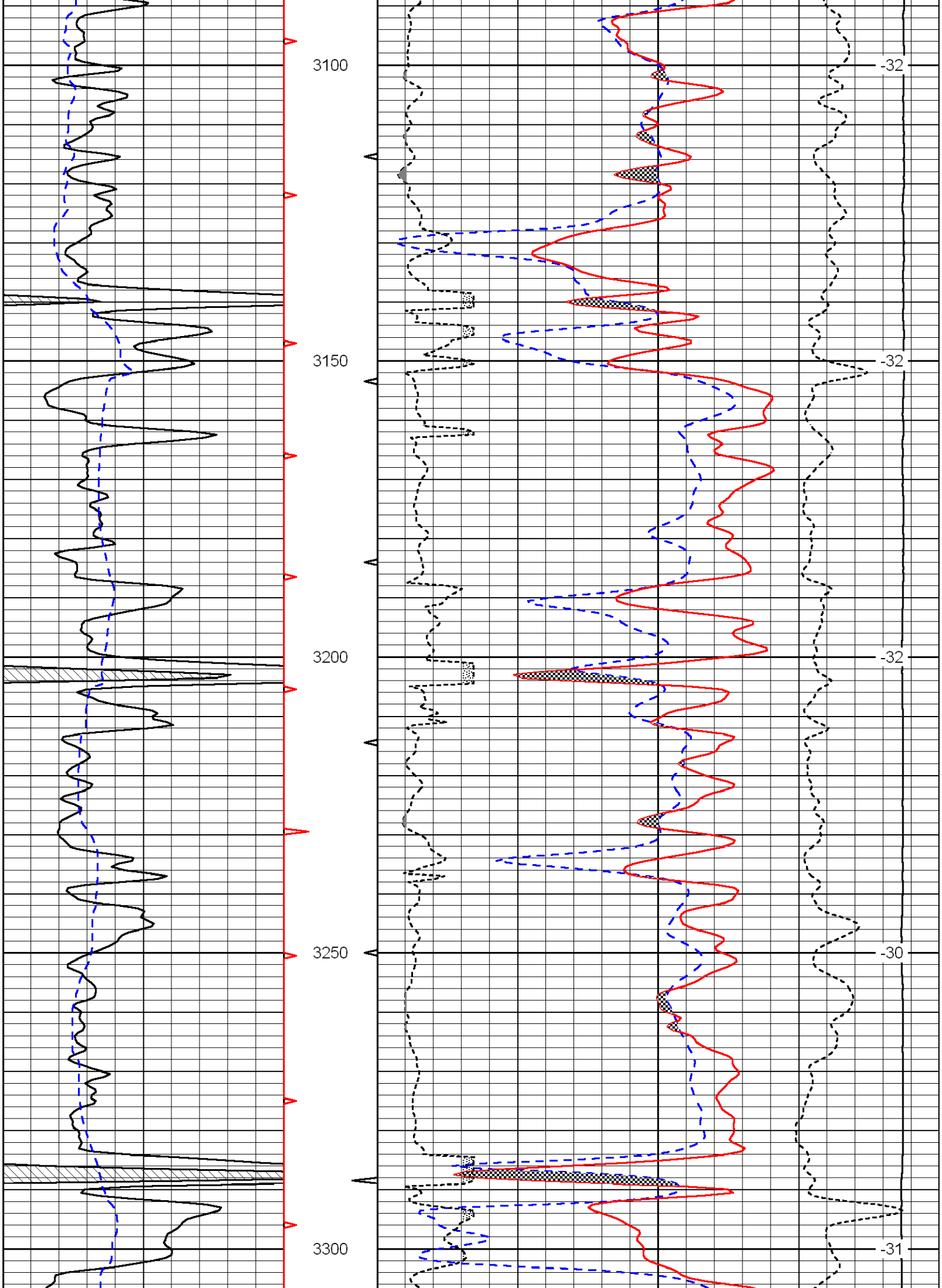
0	Gamma Ray	150

30	Compensated Neutron (pu)	-10

6	Caliper (GAPI)	16
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)

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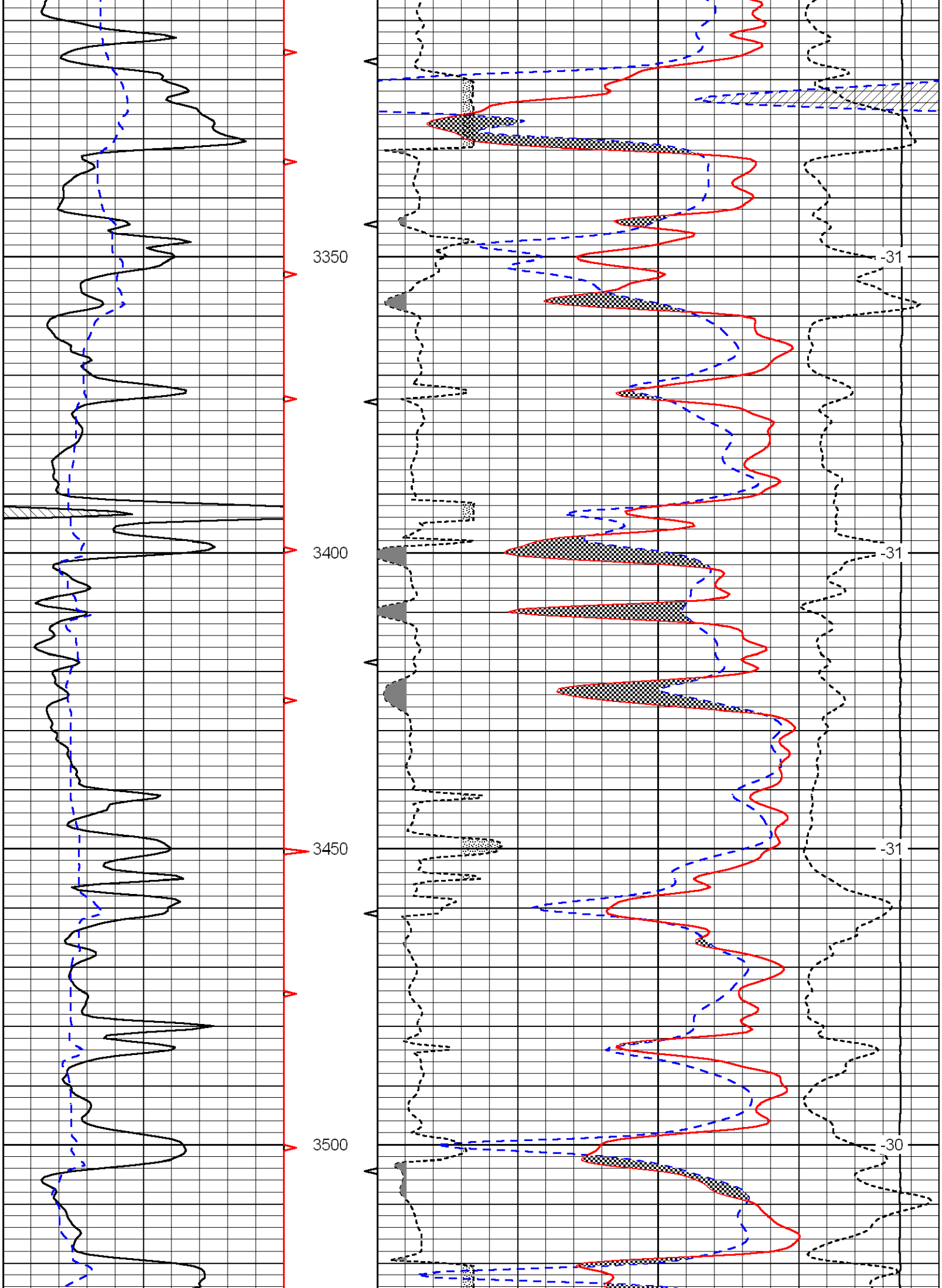
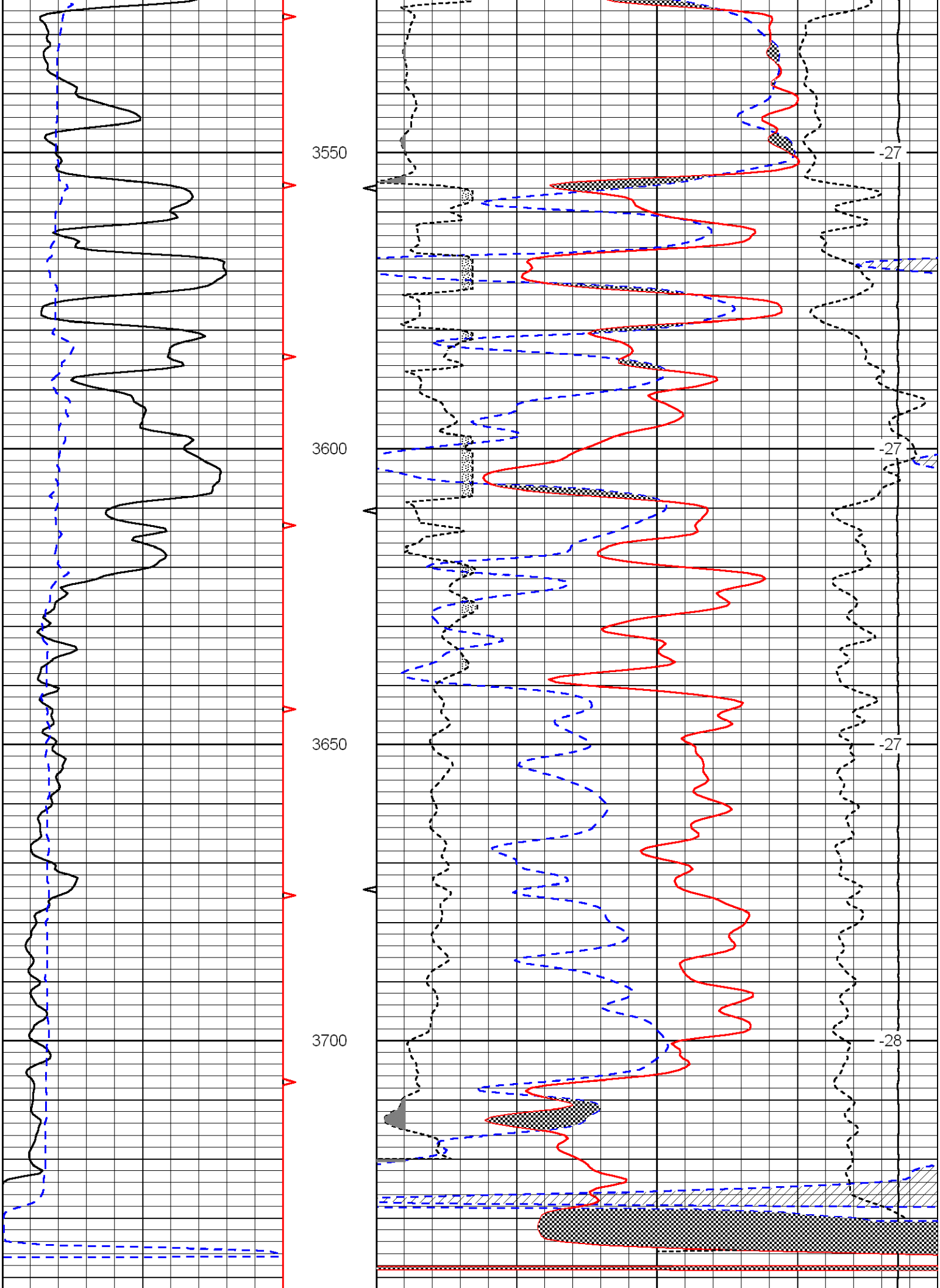
3150
3200
3250
3300
-32
-32
-32
-30
-31


3350
3400
3450
3500
-31
-31
-31
-30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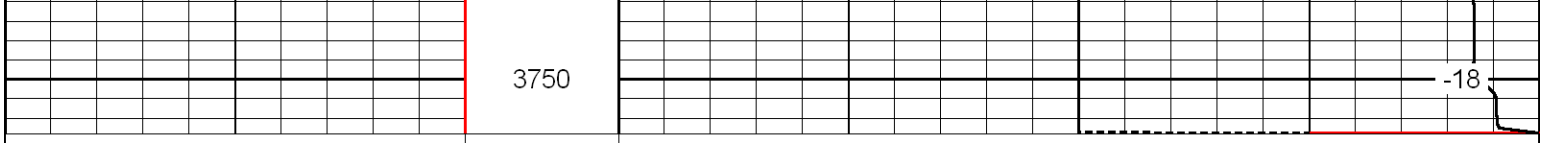
3600
3650
3700
-27
-27
-27
-28



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LSPD
(ft/min)