PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-167-23871-00-00

Company RJM Company

Well Feist #1

Field Ney

County Russell State Kansas

Location SW SW SE
330' FSL / 2310' FEL
Sec: 31 Twp: 15S Rge: 12W

Other Services
DIL
MEL/BHCS

Elevation
K.B. 1887
D.F.
G.L. 1880

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 7 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Elevation	1880

Date	4/14/2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	3425
Depth Logger	3425
Bottom Logged Interval	3404
Top Logged Interval	2800
Type Fluid In Hole	Chemical
Salinity, PPM CL	8000
Density	9.3
Level	Full
Max. Rec. Temp. F	110
Operating Rig Time	4 Hours
Equipment -- Location	15 Hays
Recorded By	R. Barnhart
Witnessed By	Kurt Talbott

Borehole Record

Run No.	Bit	From	To
One	12.25	00	432
Two	7.875	432	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	432

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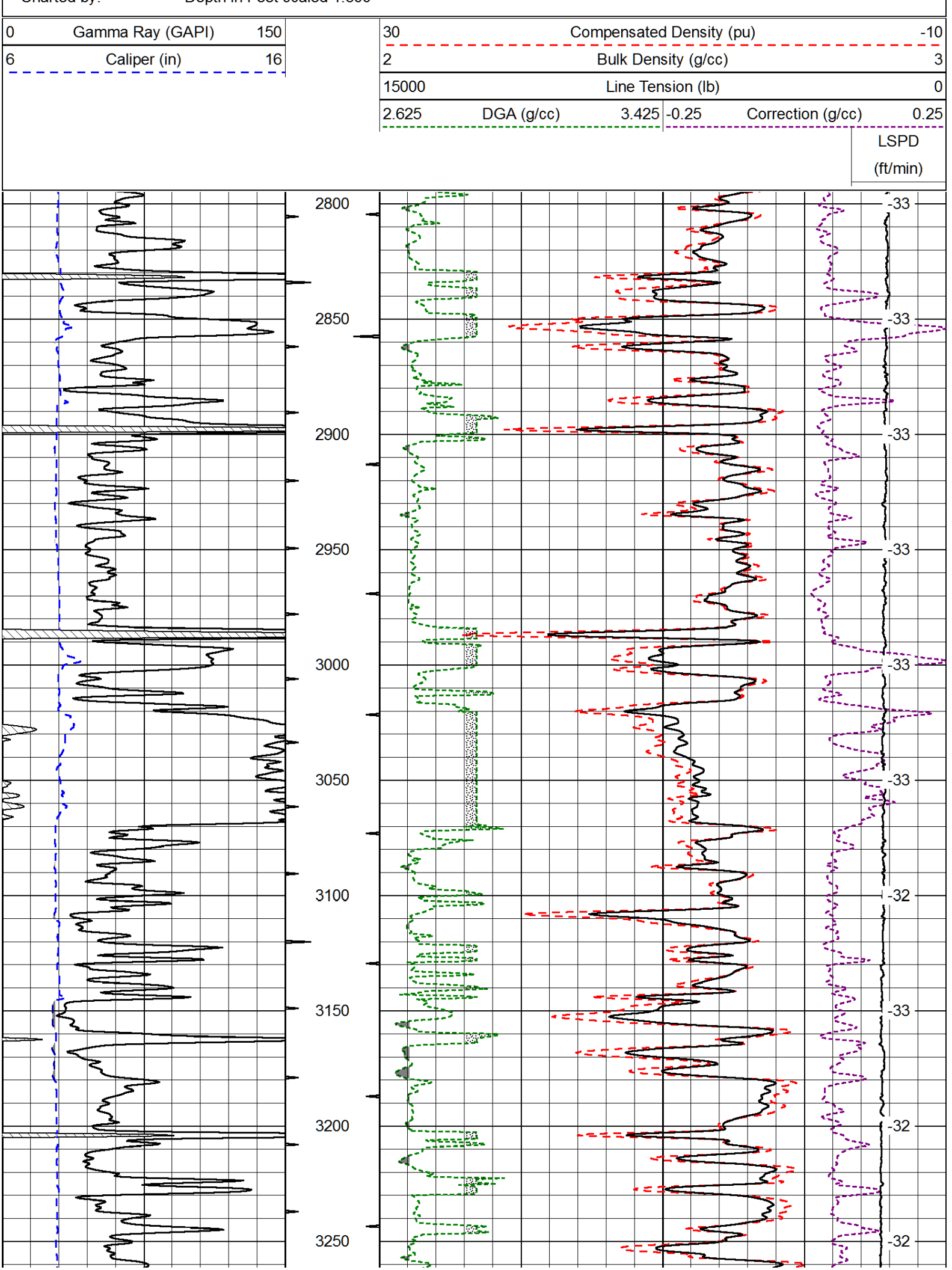
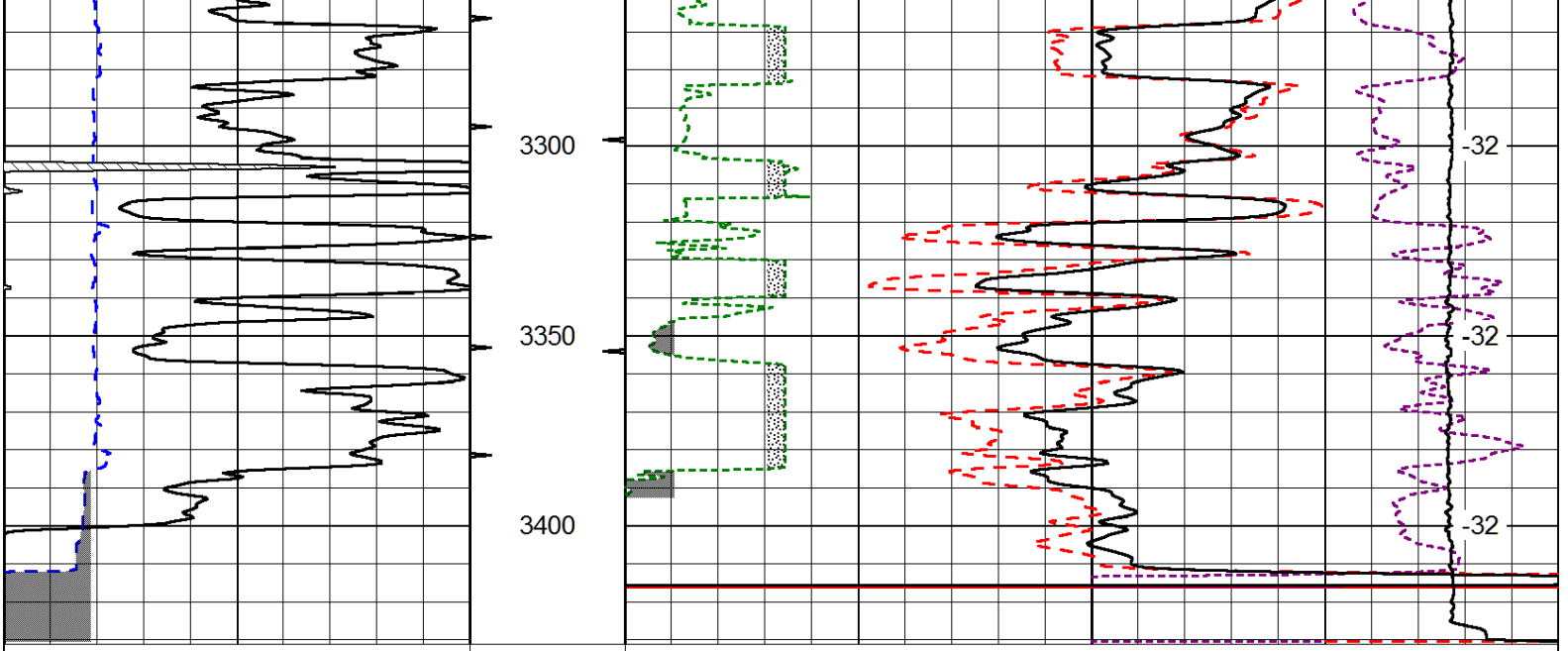
Comments

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

Russell, KS:
S to Co. Line, 8E, N into

Database File:	rjm_hd.db
Dataset Pathname:	dil/rjmmain
Presentation Format:	cdl
Dataset Creation:	Sun Apr 14 02:08:14 2013
Charted by:	Depth in Feet scaled 1:600


0 Gamma Ray (GAPI) 150
6 Caliper (in) 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)
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
-33
-33
-33
-33
-33
-32
-33
-32
-32



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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

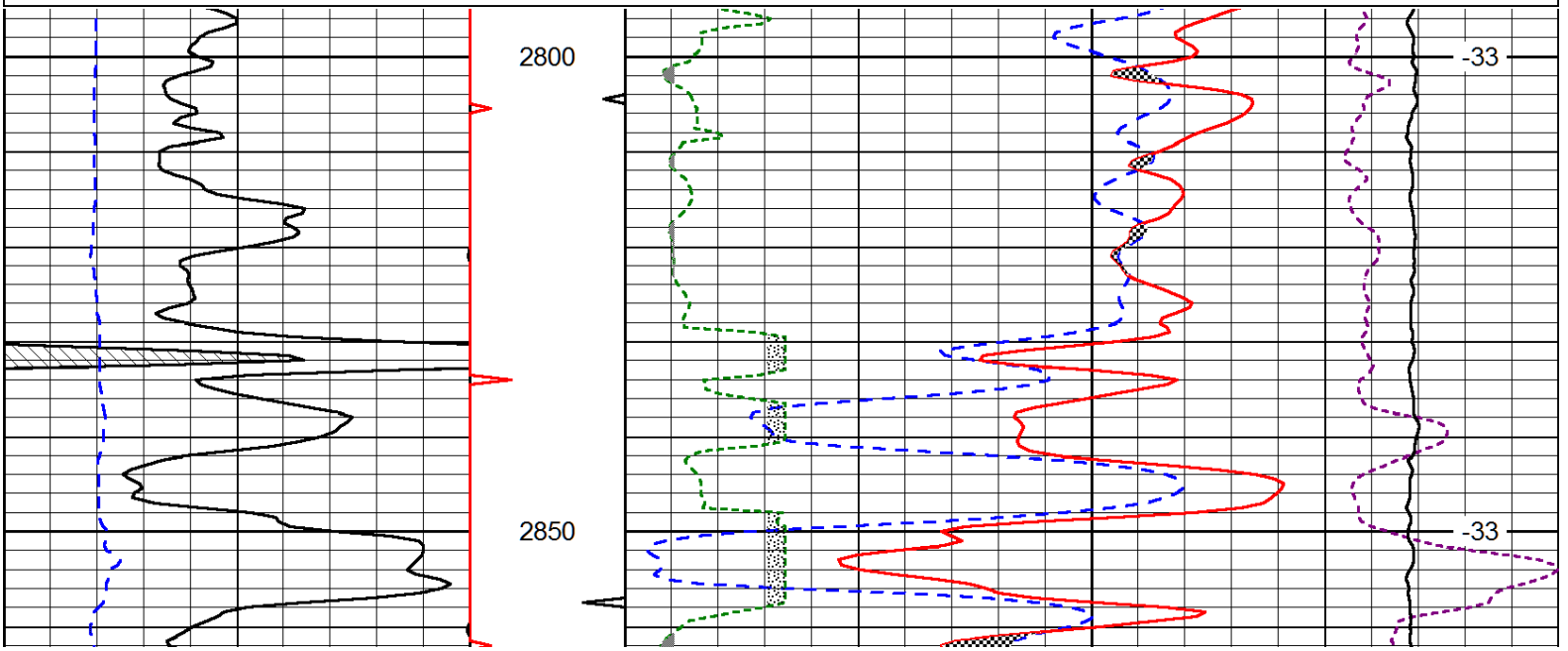
LSPD (ft/min)

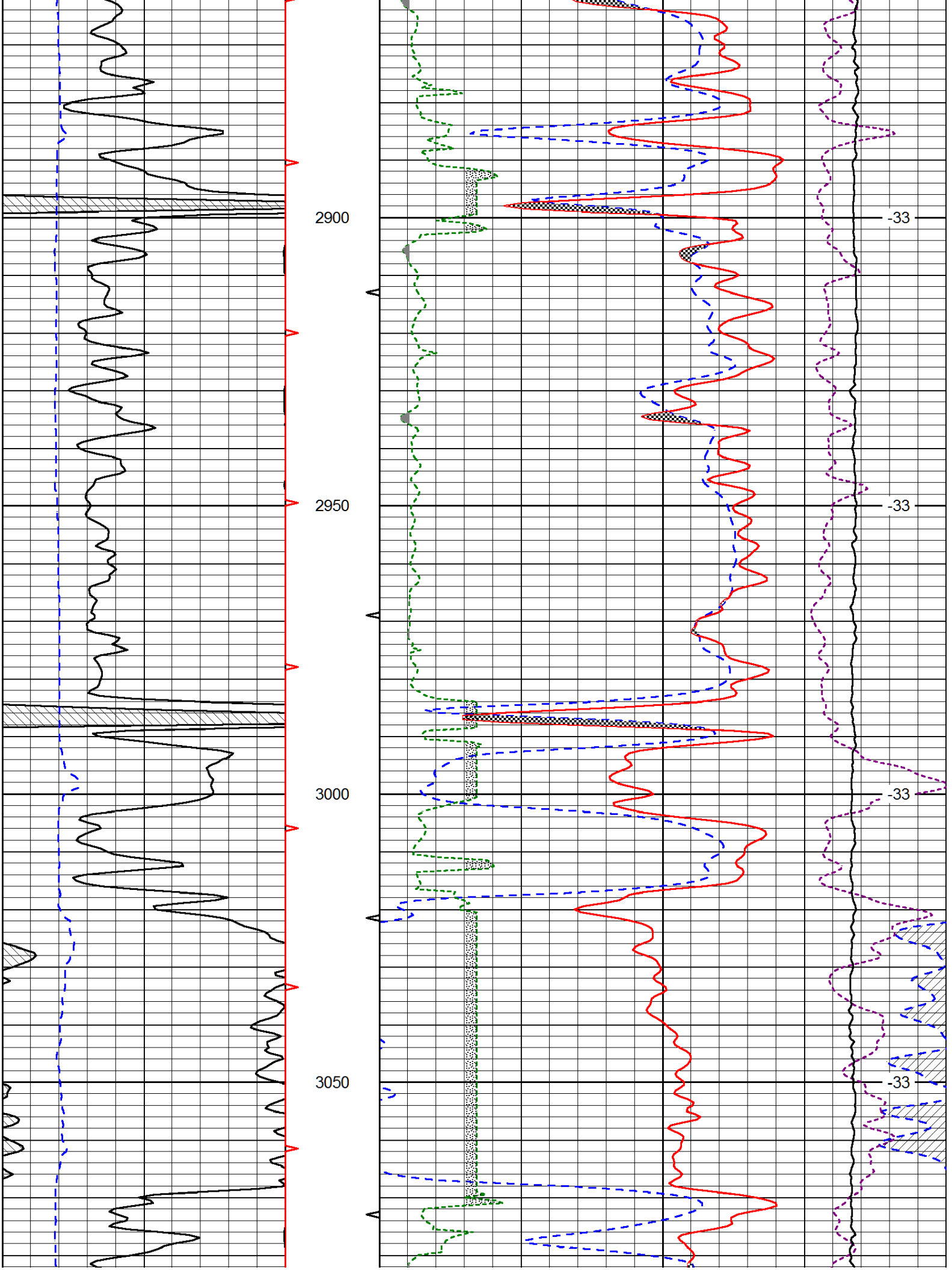
Database File:	rjm_hd.db
Dataset Pathname:	dil/rjmmain
Presentation Format:	cndlspec
Dataset Creation:	Sun Apr 14 02:08:14 2013
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0

LSPD (ft/min)




2900
2950
3000
3050
-33
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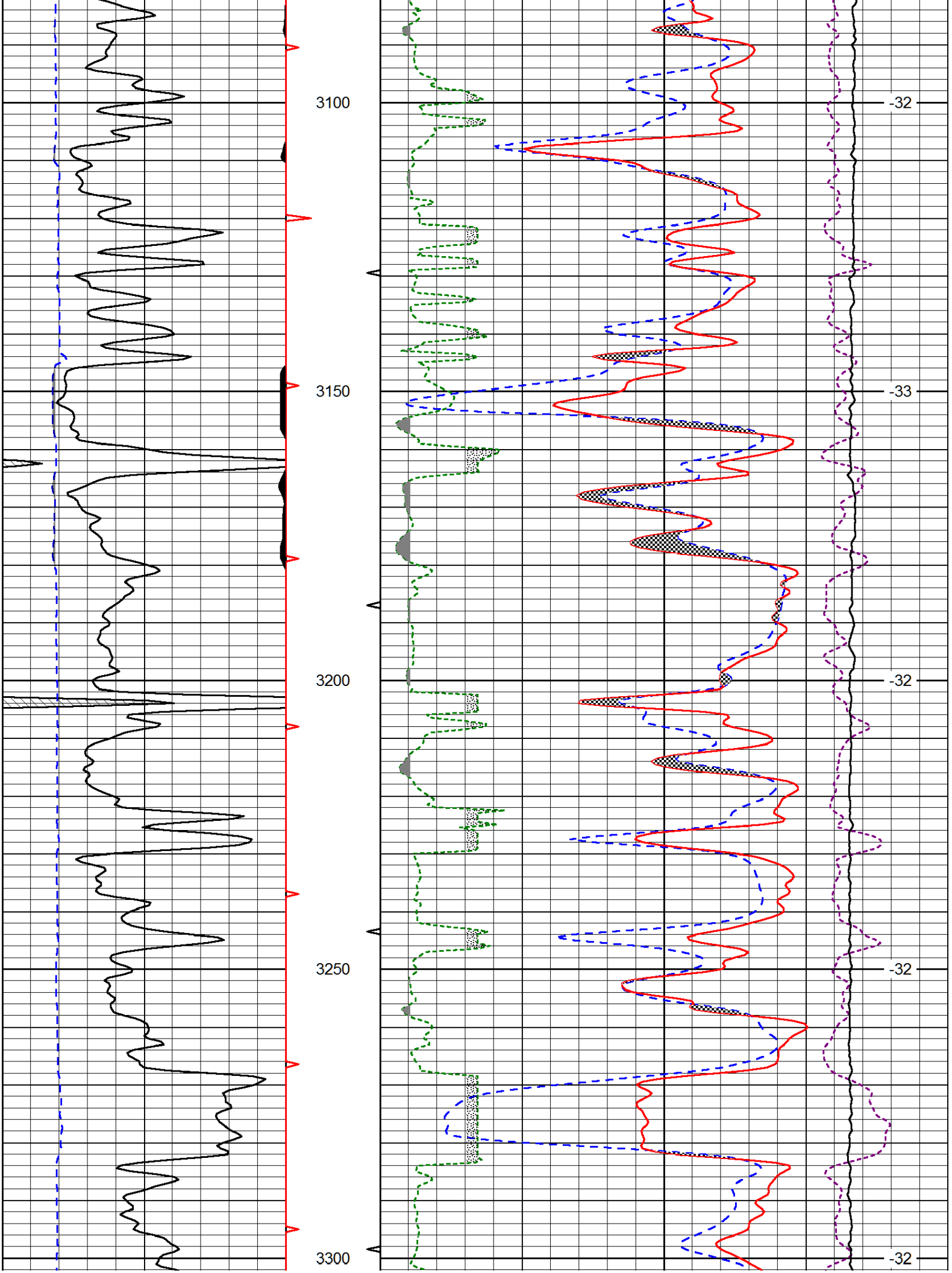
-33
-33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3150
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3300
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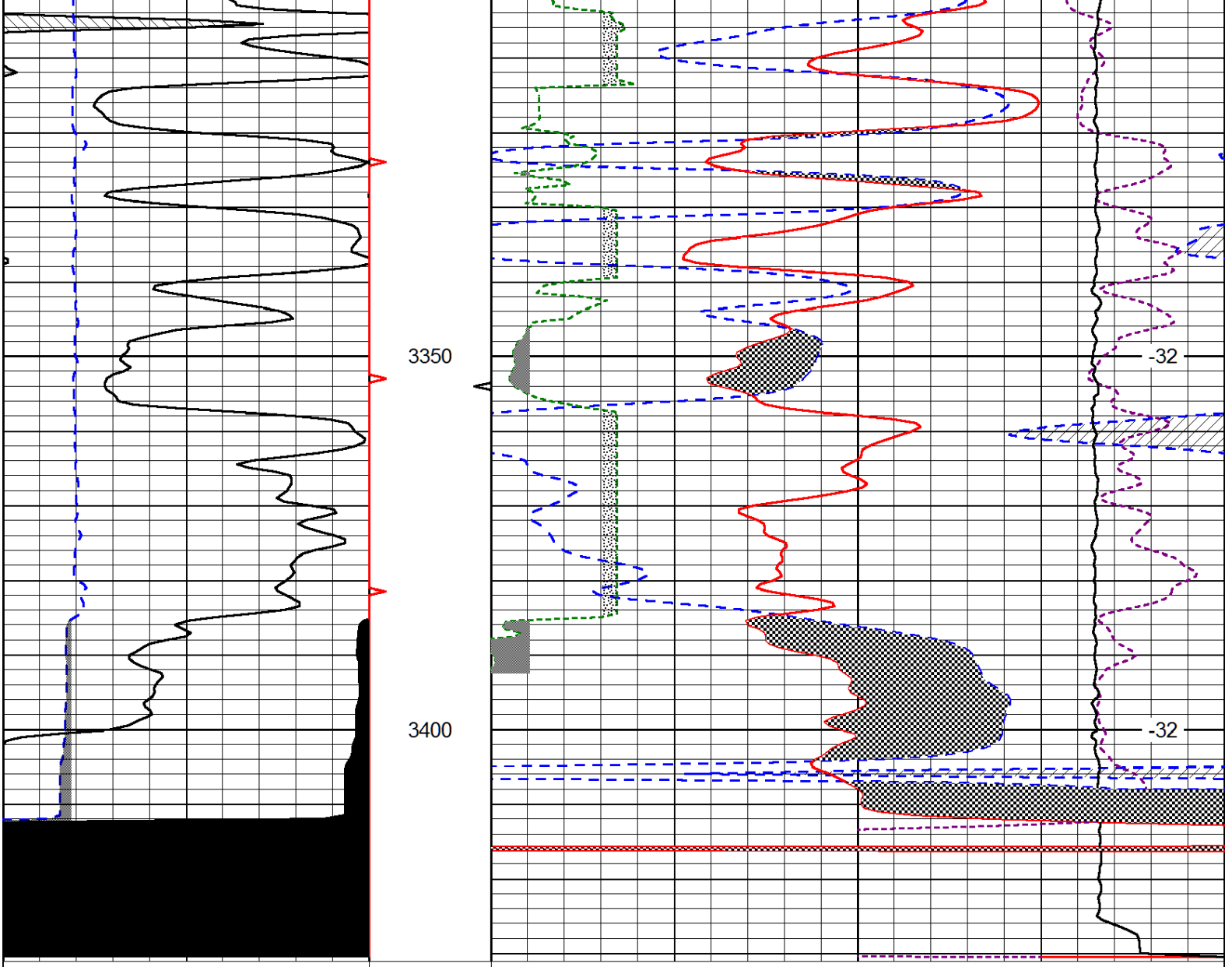

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LSPD
(ft/min)