PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-167-23,920-00-00

Company Jason Oil Company, Inc.

Well Patterson No. 3

Field Gorham

County Russell State Kansas

Location S2-SW-NW-NW
1210' FNL & 330' FWL
Sec: 36 Twp: 13S Rge: 15W

Other Services
DIL/MEL

Elevation
K.B. 1883
D.F.
G.L. 1875

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Elevation	1875

Date	11/20/13
Run Number	One
Type Log	CNL / CDL
Depth Driller	3370
Depth Logger	3371
Bottom Logged Interval	3350
Top Logged Interval	2000
Type Fluid In Hole	Chemical
Salinity, PPM CL	7,000
Density	9.4
Level	Full
Max. Rec. Temp. F	110
Operating Rig Time	3 1/2 Hours
Equipment -- Location	108 Hays
Recorded By	J. Henrickson
Witnessed By	Steve Reed

Borehole Record

Run No.	Bit	From	To
One	12.25	00	473
Two	7.875	473	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	473

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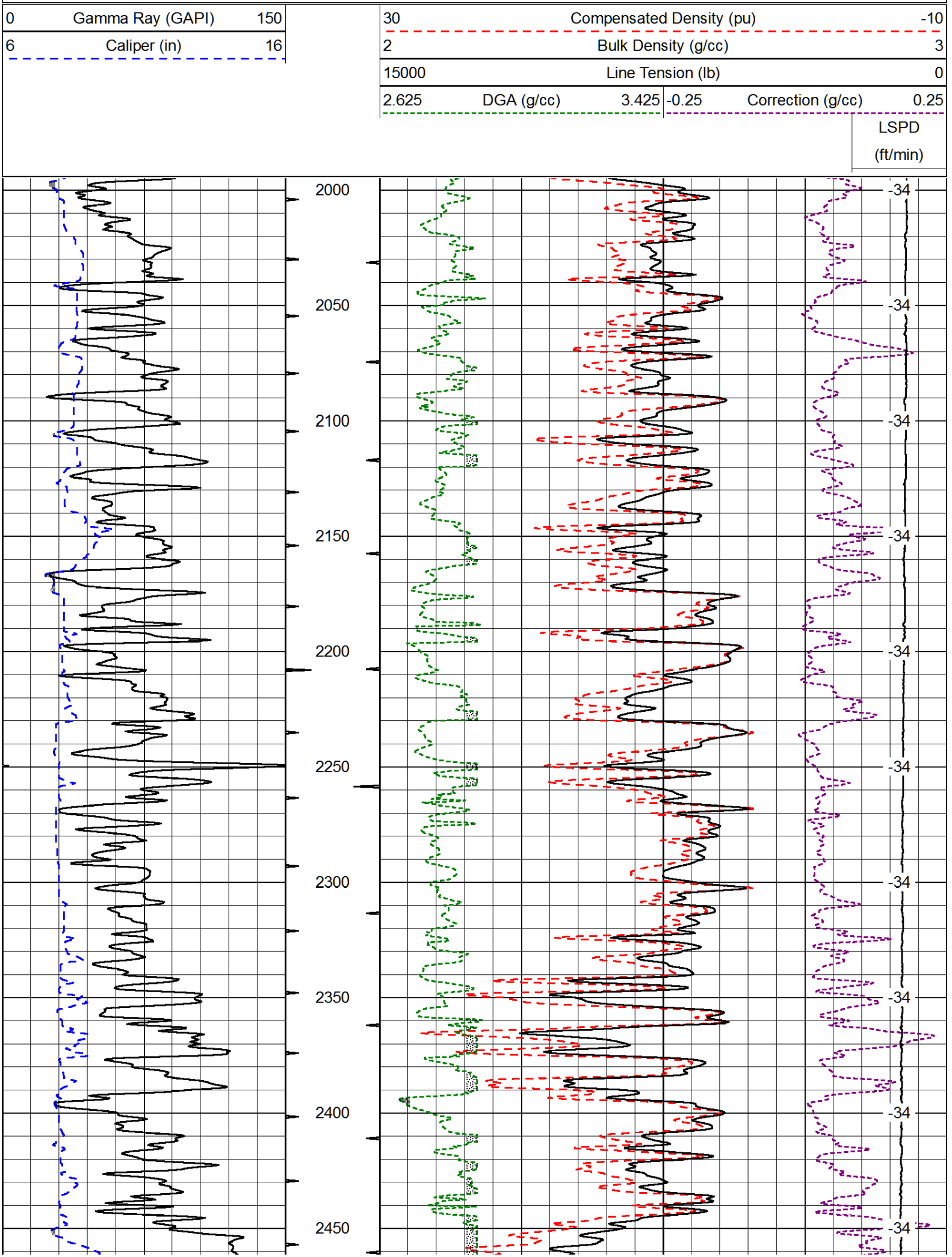
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

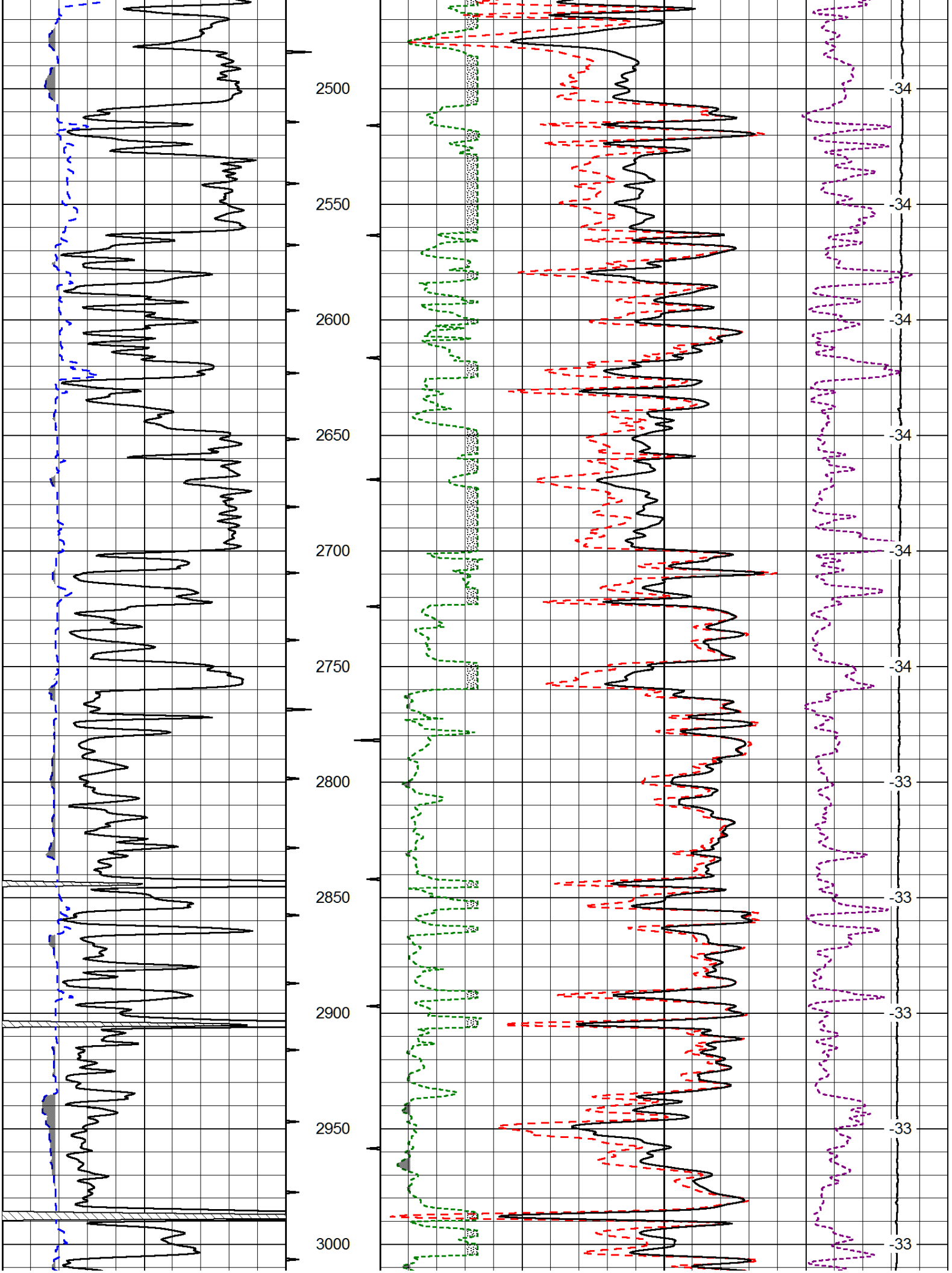
Comments

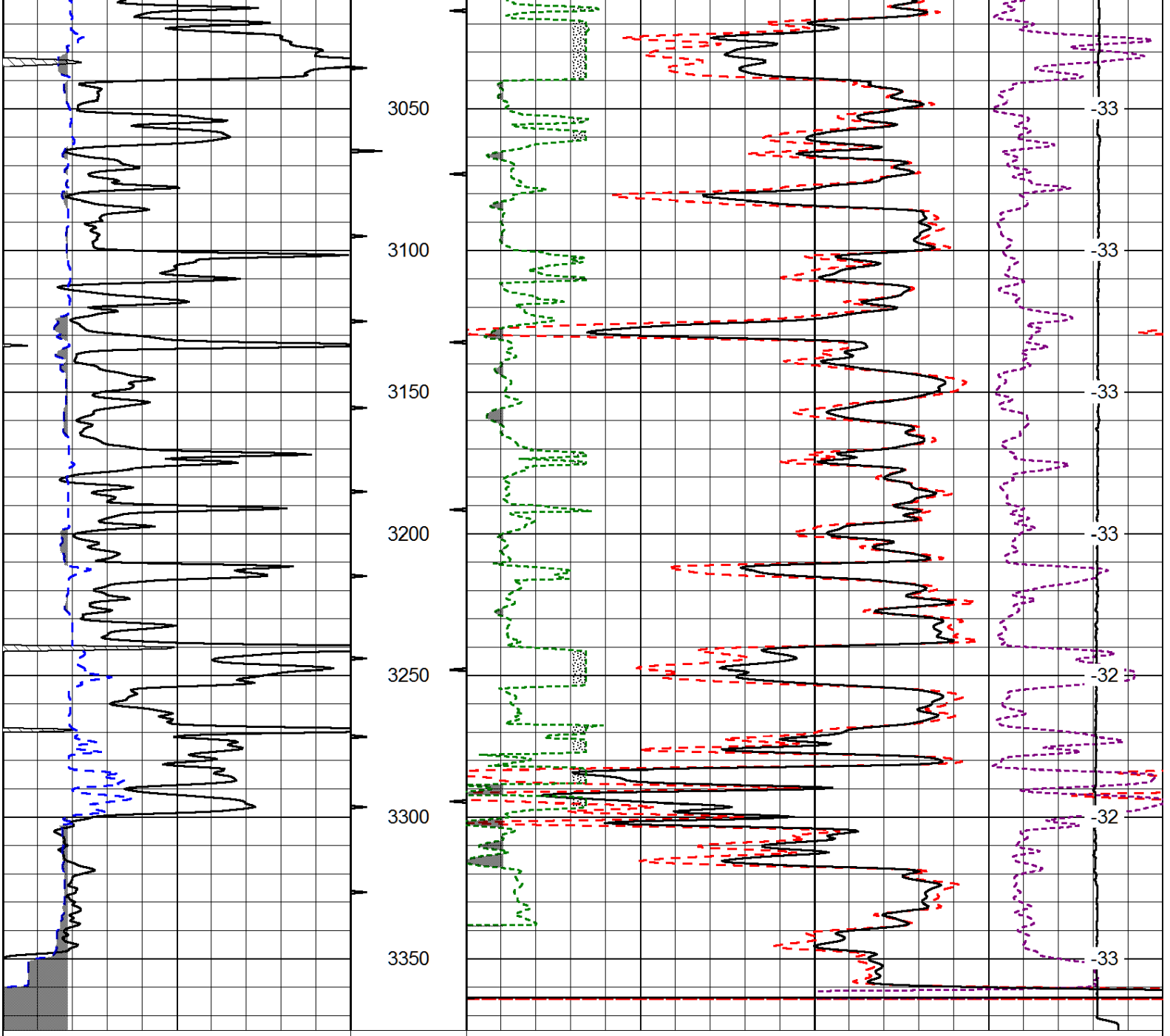
Thank you for using Log-Tech, Inc.
(785) 625-3858

Gorham Kansas
4 East on Old 40, 1/8 South, East Into

Database File:	jason_oil_patterson_3hd.db
Dataset Pathname:	DIL/jasstk
Presentation Format:	cdl
Dataset Creation:	Wed Nov 20 06:31:25 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)
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
-34
-34
-34
-34
-34
-34
-34
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2500
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2650
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2750
2800
2850
2900
2950
3000
-34
-34
-34
-34
-34
-33
-33
-33
-33



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)	

Database File:	jason_oil_patterson_3hd.db
Dataset Pathname:	DIL/jasstk
Presentation Format:	cndlspec
Dataset Creation:	Wed Nov 20 06:31:25 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)

2000

2050

2100

2150

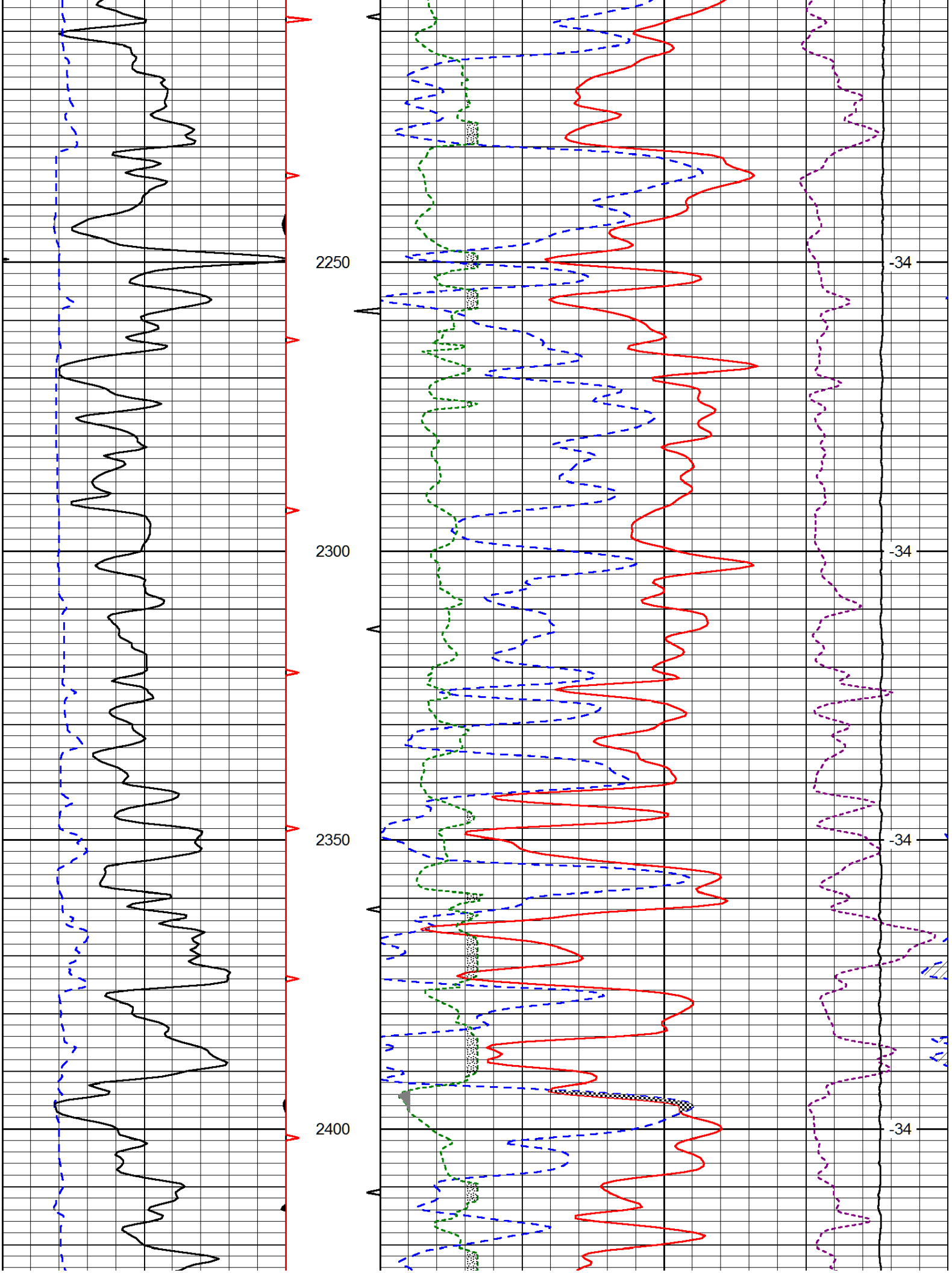
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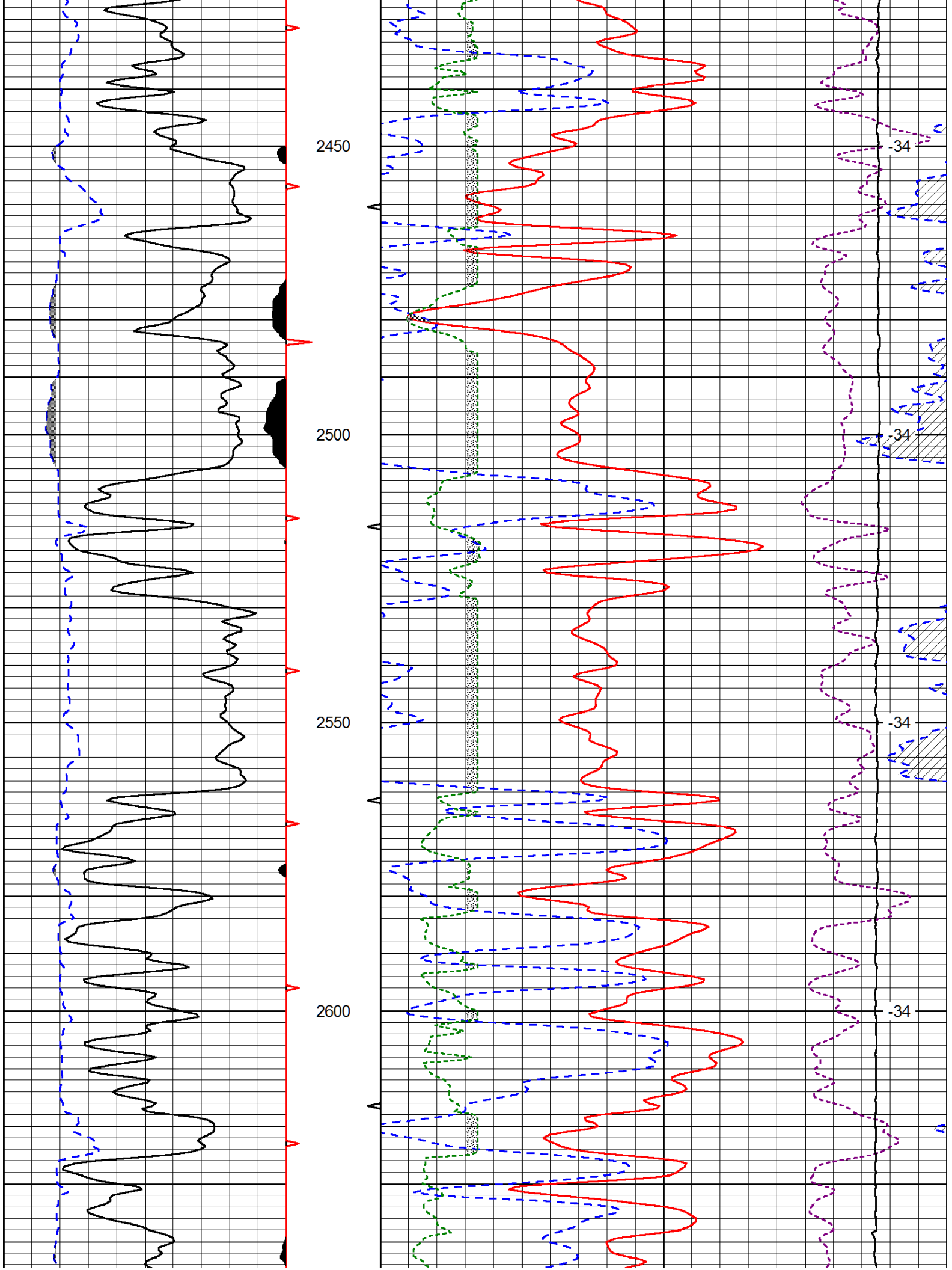
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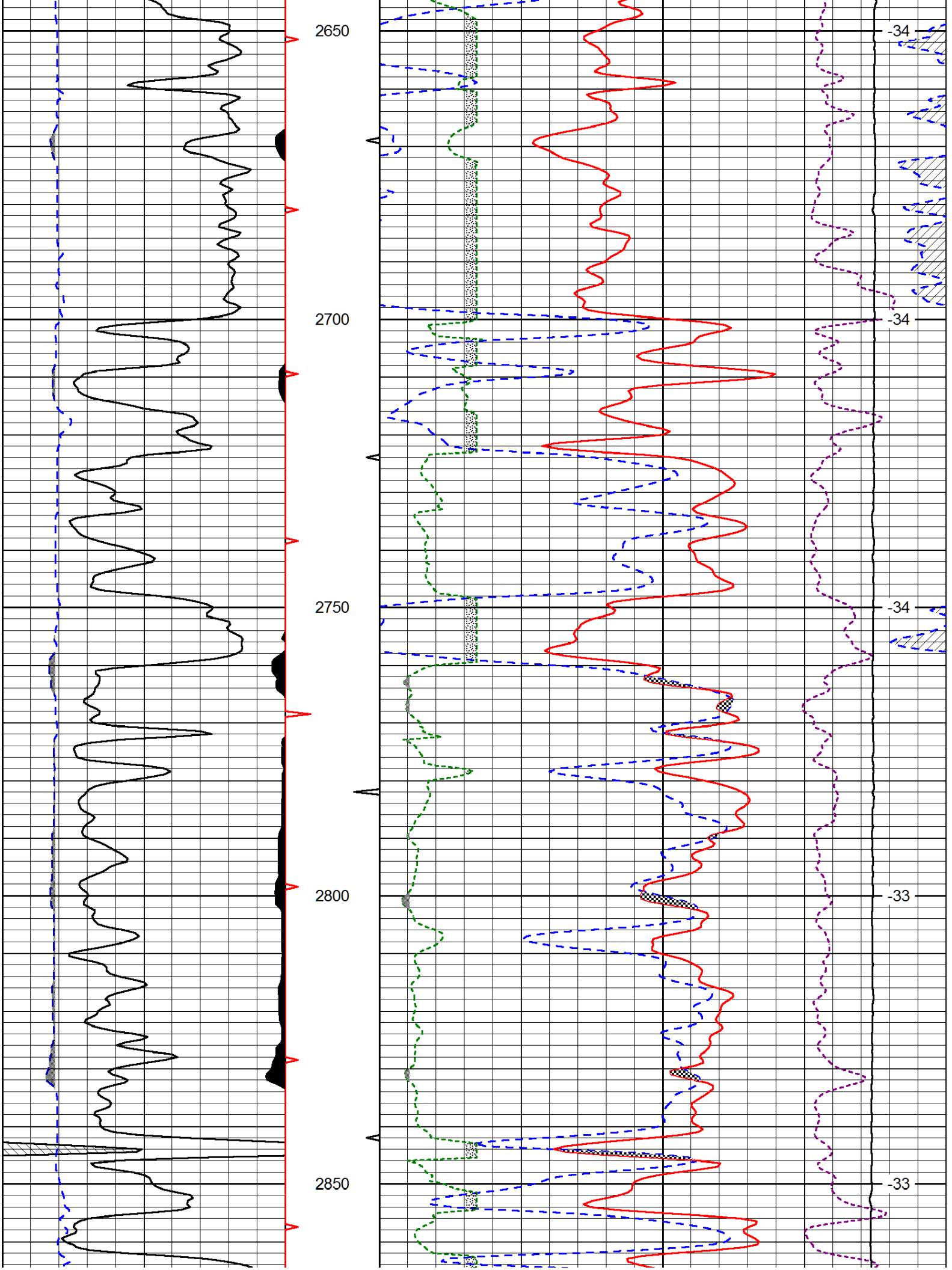
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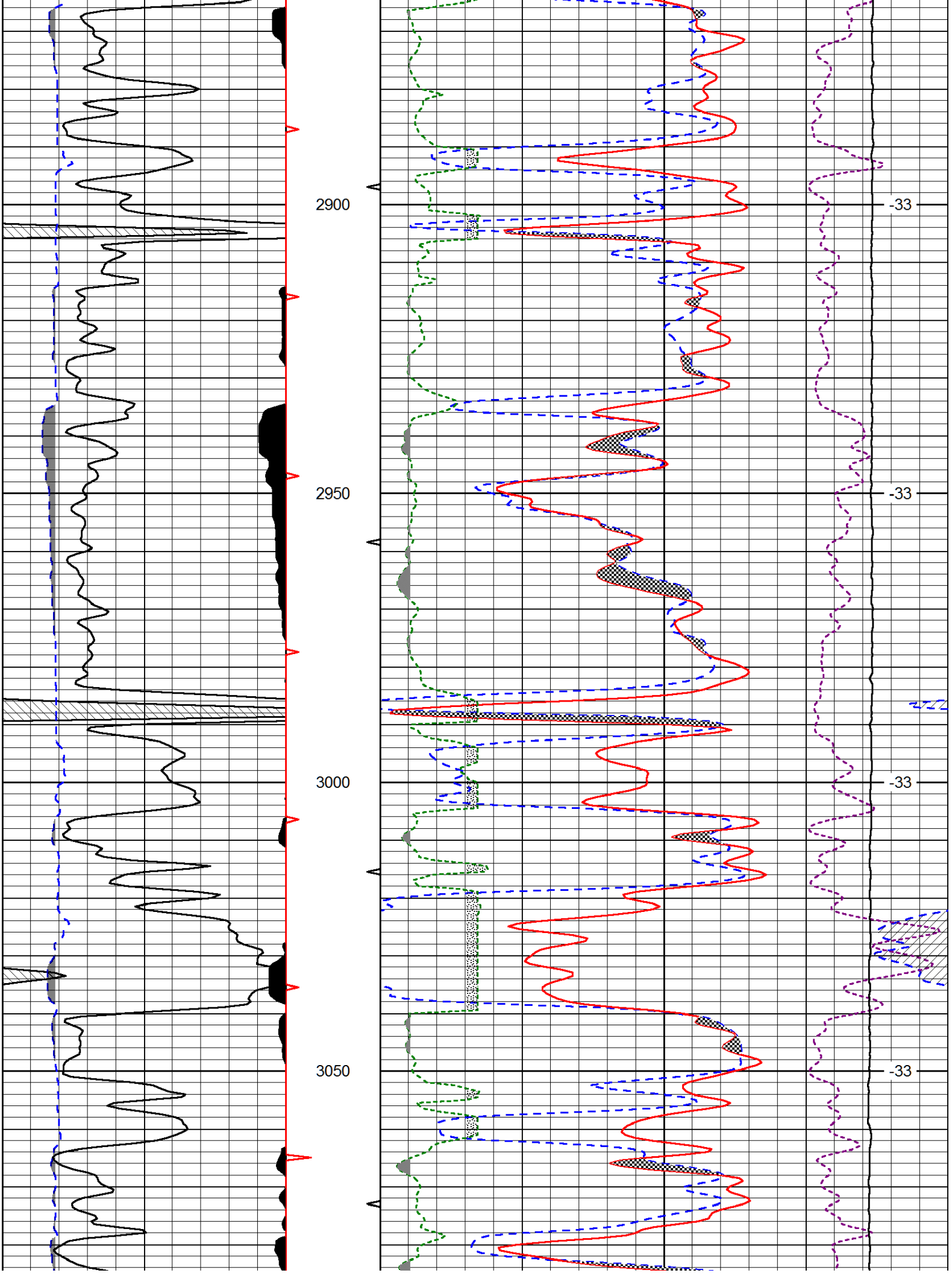
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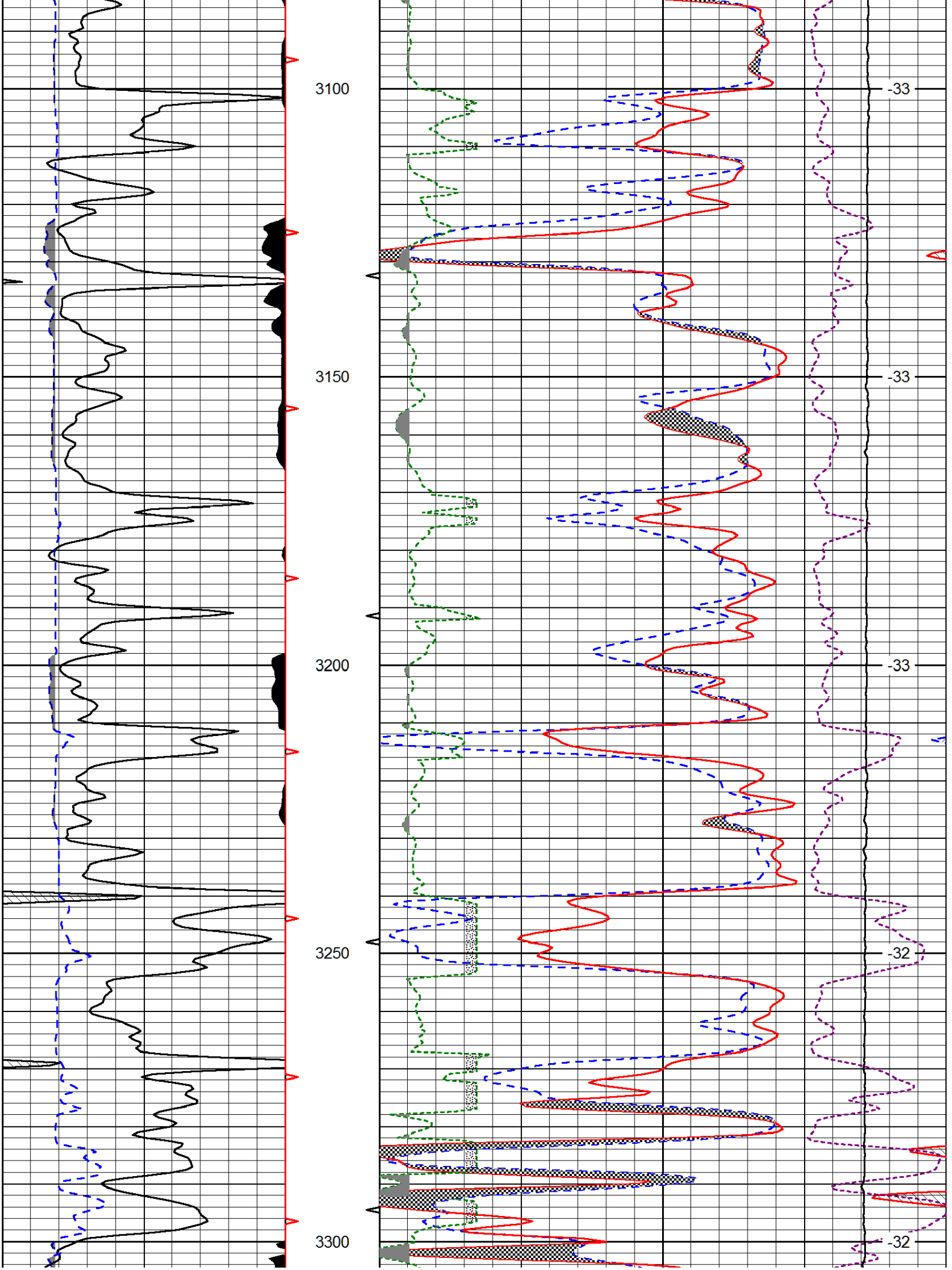
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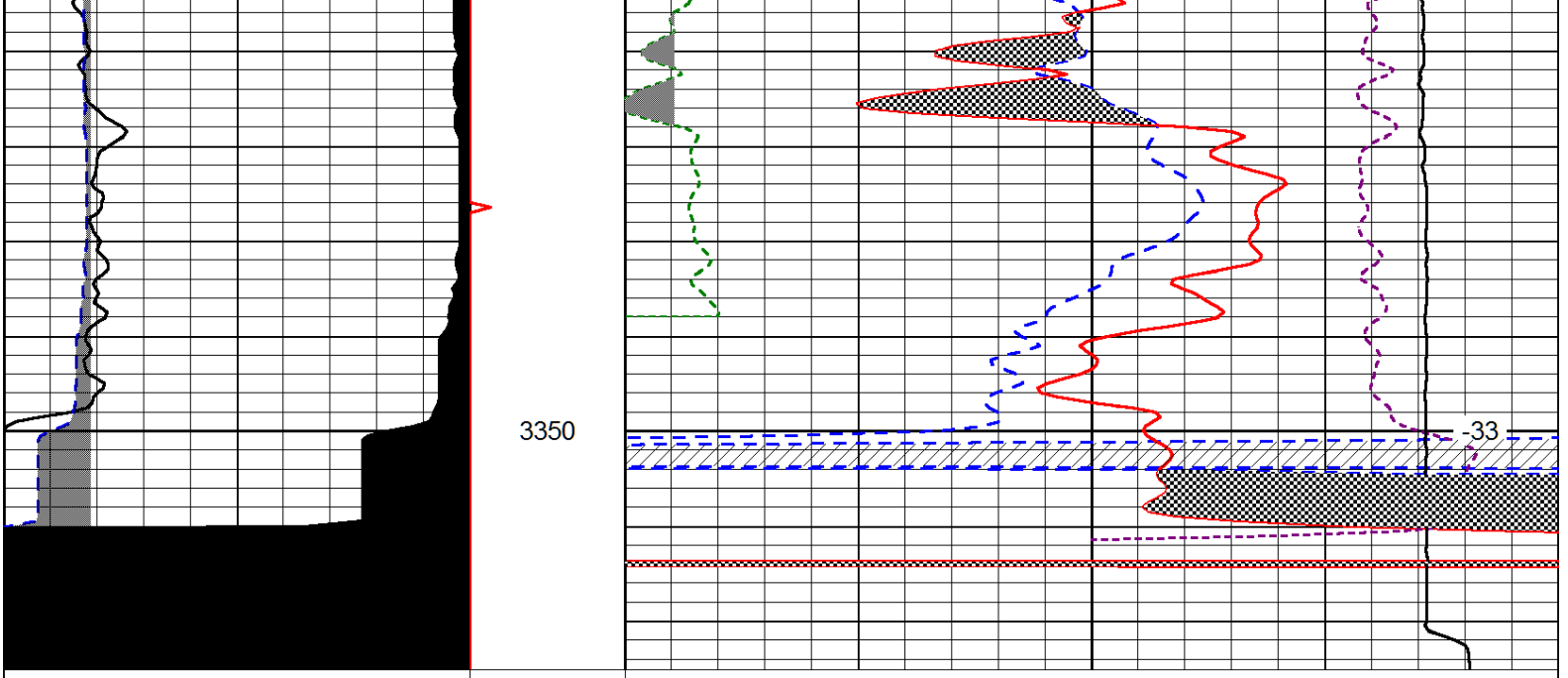

2250
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3100
3150
3200
3250
3300
-33
-33
-33
-32
-32



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10000	Line Tension (lb)			0

LSPD
(ft/min)