



# DUAL COMP POROSITY LOG

Company AMERICAN WARRIOR, INC.  
 Well LILLIE NO. 4-30  
 Field SCHLESSIGER  
 County ELLSWORTH  
 State KANSAS

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Location: API #: 15-053-21340-00-00  
 2,305' FNL & 1,610' FEL  
 SEC 30 TWP 16S RGE 10W  
 Permanent Datum GROUND LEVEL Elevation 1873'  
 Log Measured From KELLY BUSHING  
 Drilling Measured From KELLY BUSHING  
 Other Services DIL/MEL  
 K.B. 1881'  
 D.F. N/A  
 G.L. 1873'

Date	10/30/2015	
Run Number	ONE	
Type Log	CNL/CDL	
Depth Driller	3600'	
Depth Logger	3602'	
Bottom Logged Interval	3581'	
Top Logged Interval	2500'	
Type Fluid In Hole	CHEMICAL	
Salinity, PPM CL	6100	
Density	9.1	
Level	FULL	
Max. Rec. Temp. F	112	
Operating Rig Time	3 1/2 HOURS	
Equipment -- Location	108 Hays	
Recorded By	J. LONG	
Witnessed By	KEVIN TIMSON	

Run No.	Bit	Borehole Record		Casing Record	
		From	To	From	To
ONE	12.25	00	411	8.625	23#
TWO	7.875	411	TD		

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.  
 WILSON, 13 SOUTH TO Q ROAD (NE 190 ROAD), 1/2 WEST, 1/2 SOUTH, EAST INTO

Log Measured From: KELLY BUSHING      8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES  
[www.pioneerenergy.com](http://www.pioneerenergy.com)      785-625-3858

Your Pioneer Energy Services Crew

Engineer: J. LONG  
 Operator:  
 Operator:  
 Operator:

This Log Record Was Witnessed By

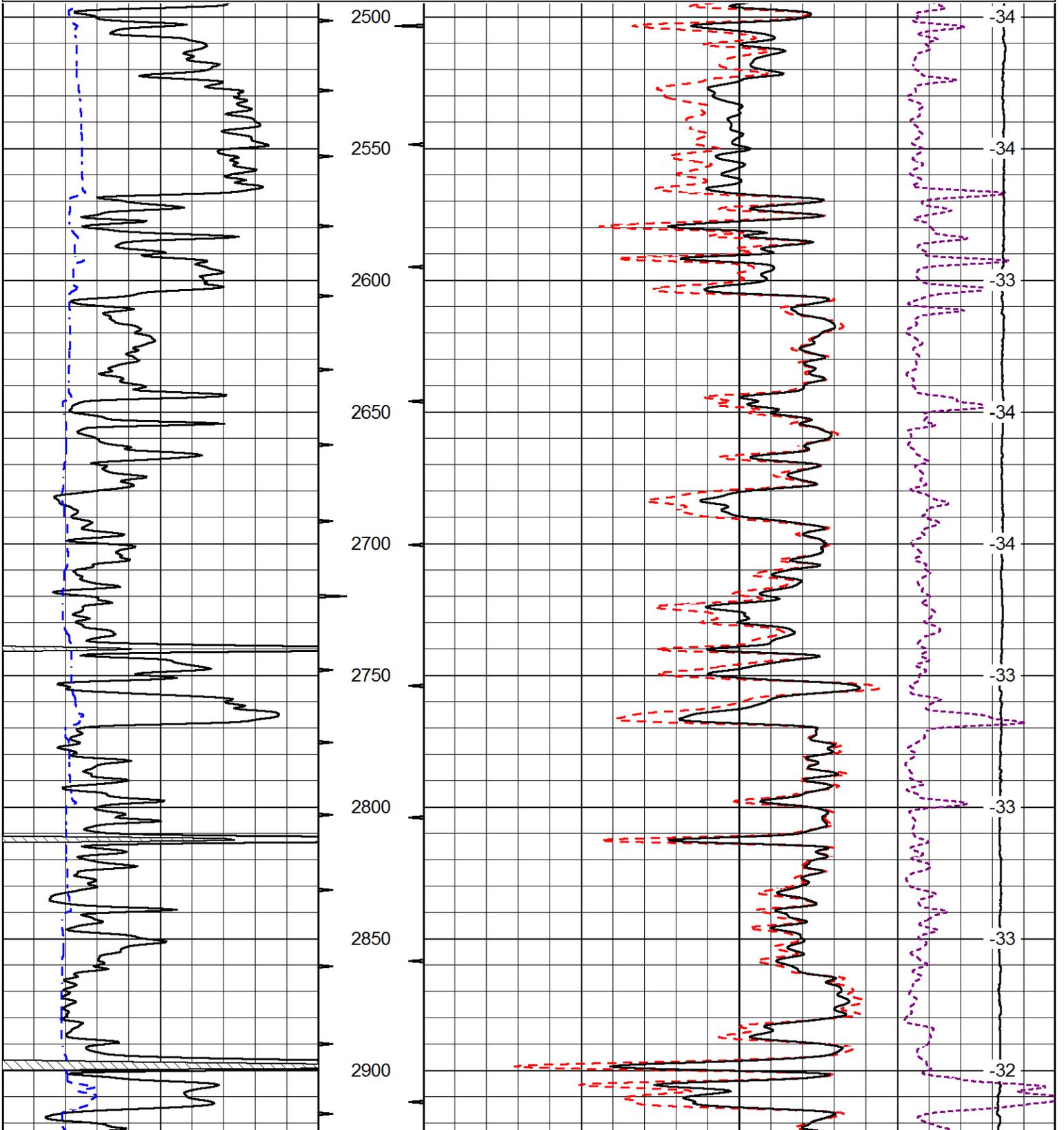
Primary Witness: KEVIN TIMSON  
 Secondary Witness:  
 Secondary Witness:  
 Secondary Witness:

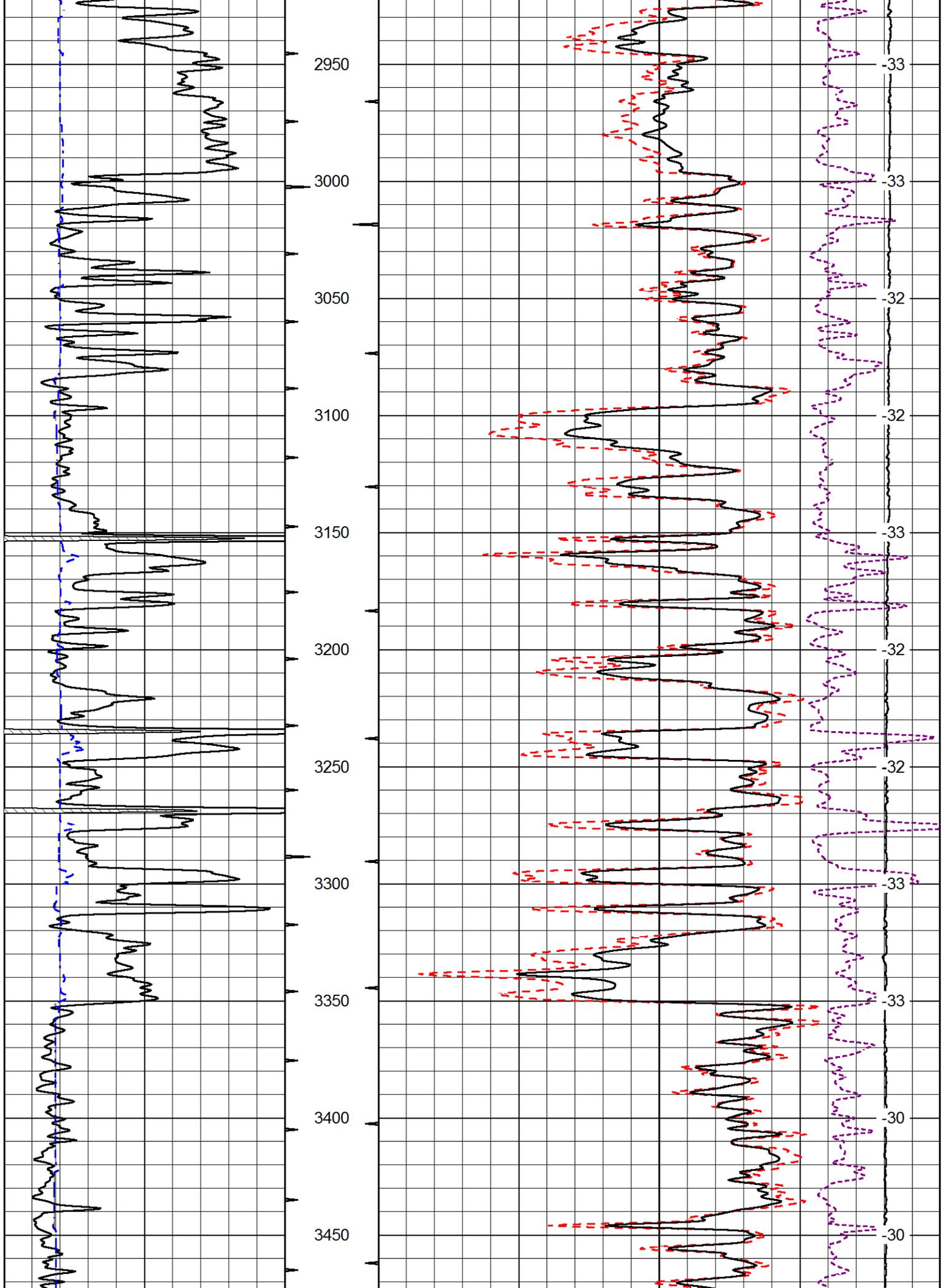
Database File amwarrior\_lillie\_4-30hd.db  
 Dataset Pathname DIL/awstck  
 Presentation Format cdl  
 Dataset Creation Fri Oct 30 12:17:23 2015  
 Charted by Depth in Feet scaled 1:600

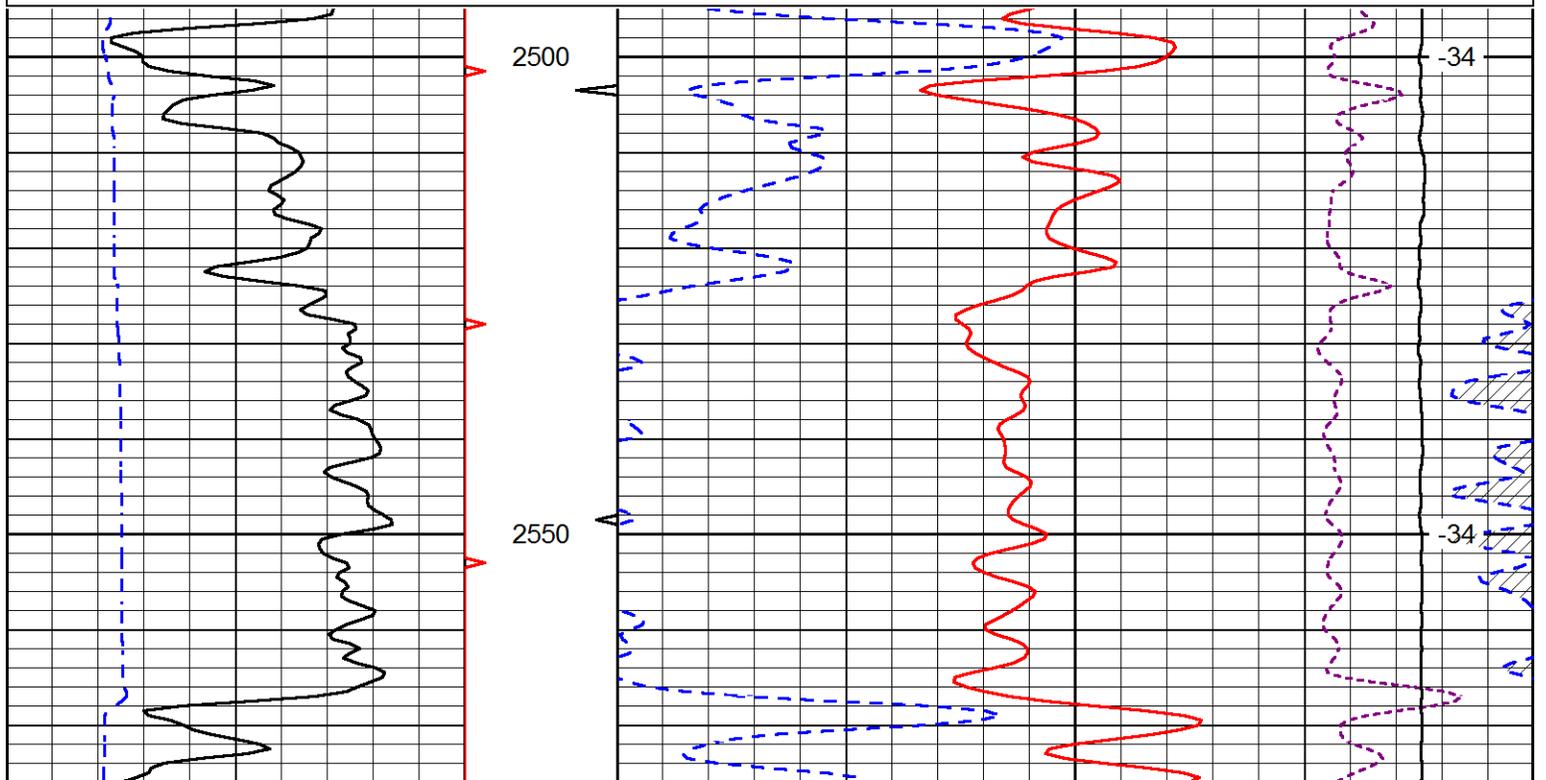
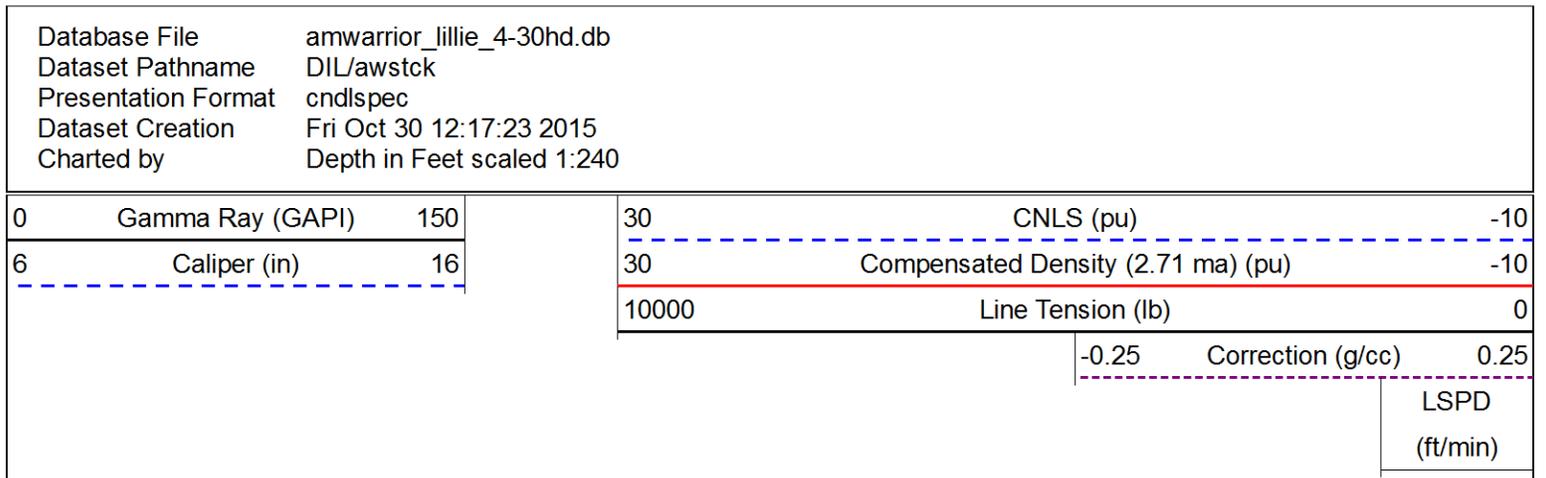
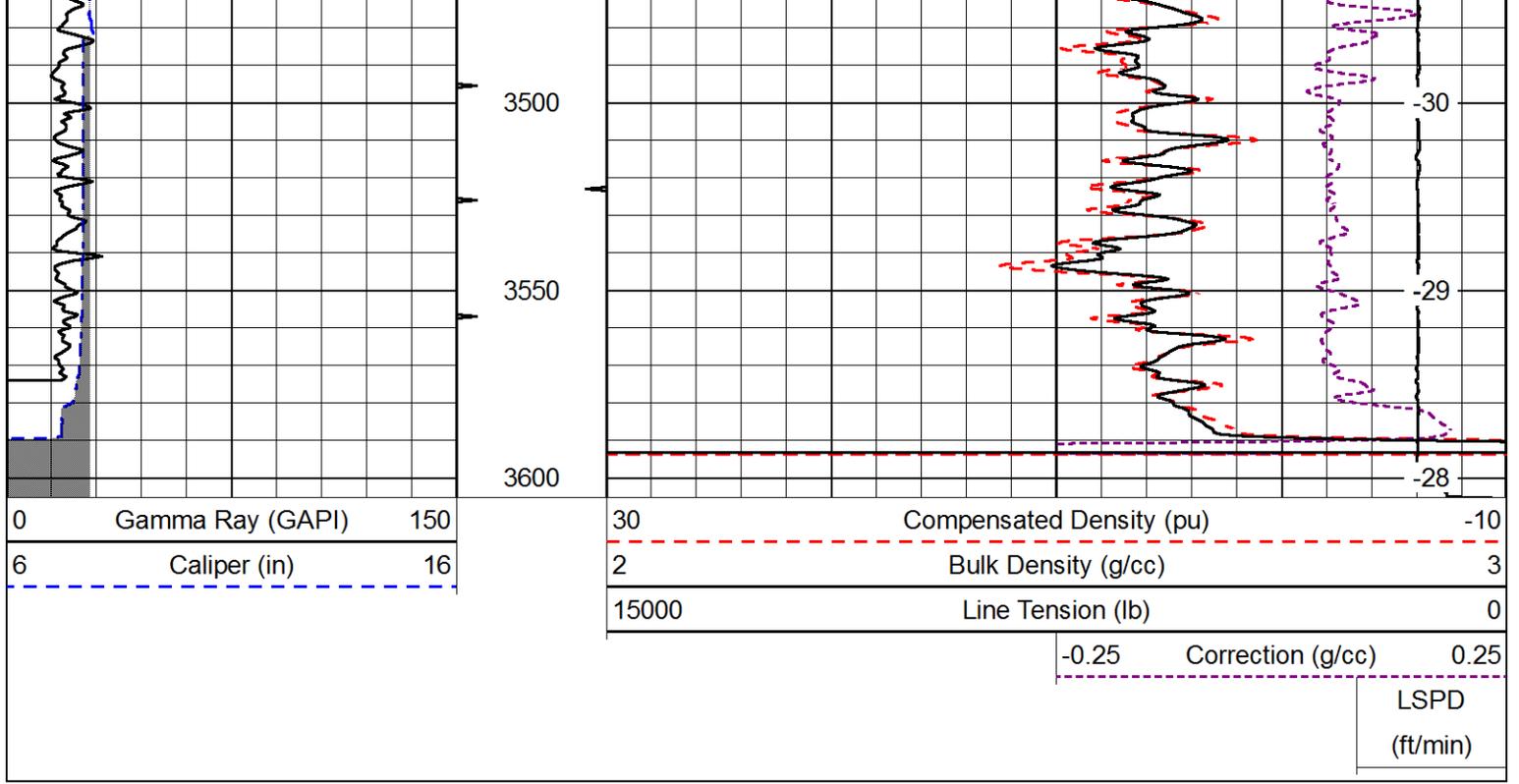
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

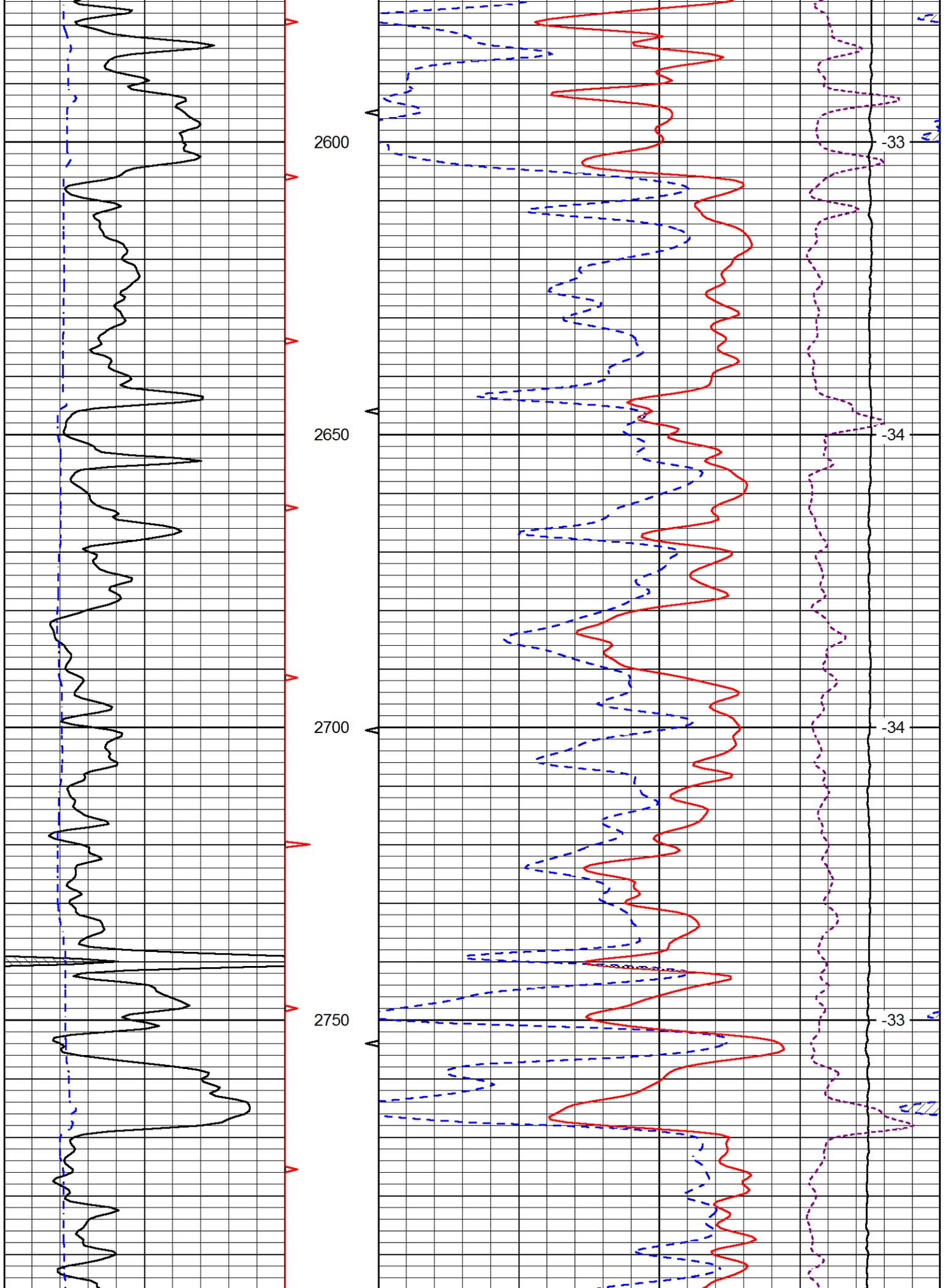
30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

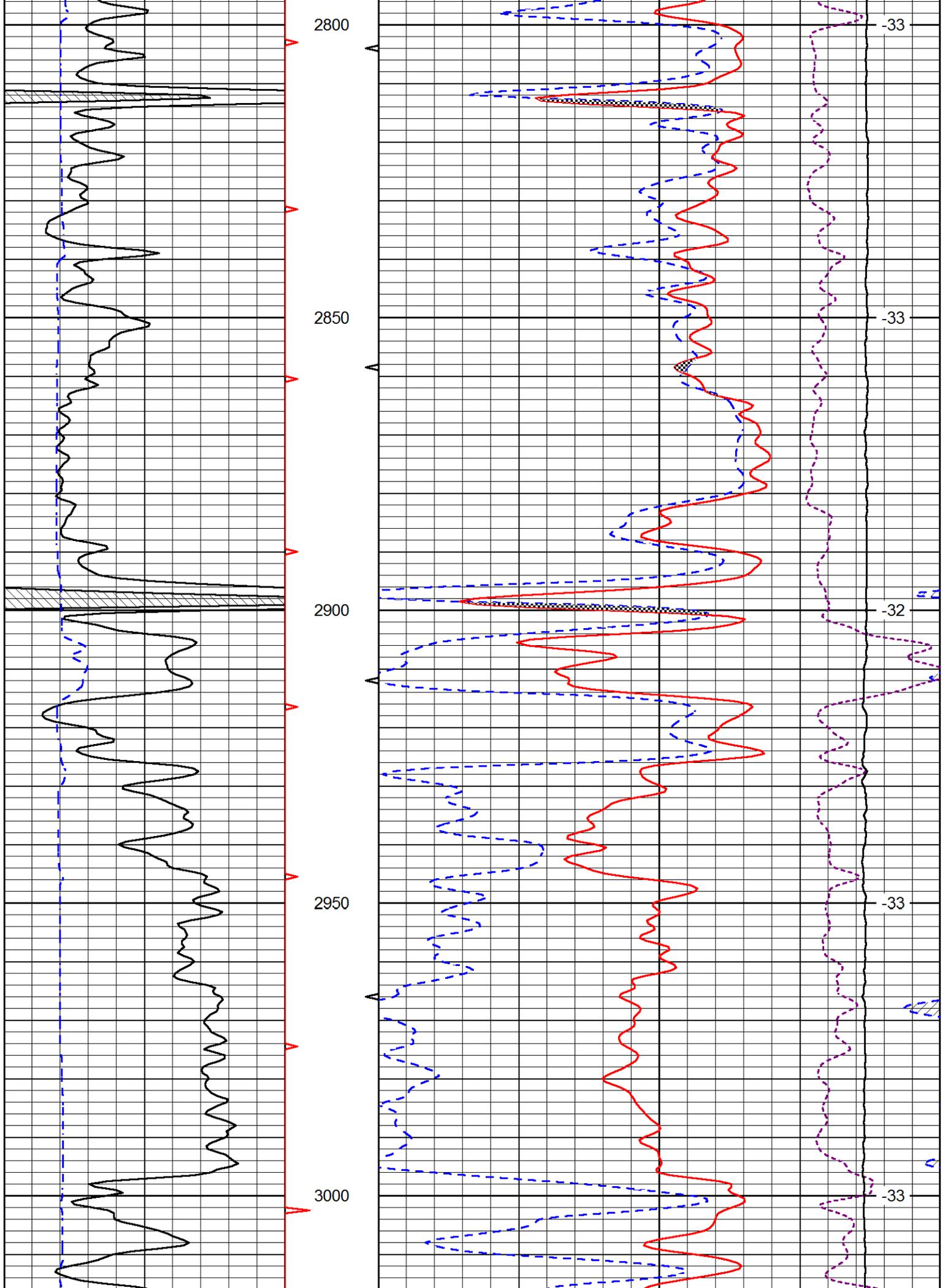
LSPD  
(ft/min)

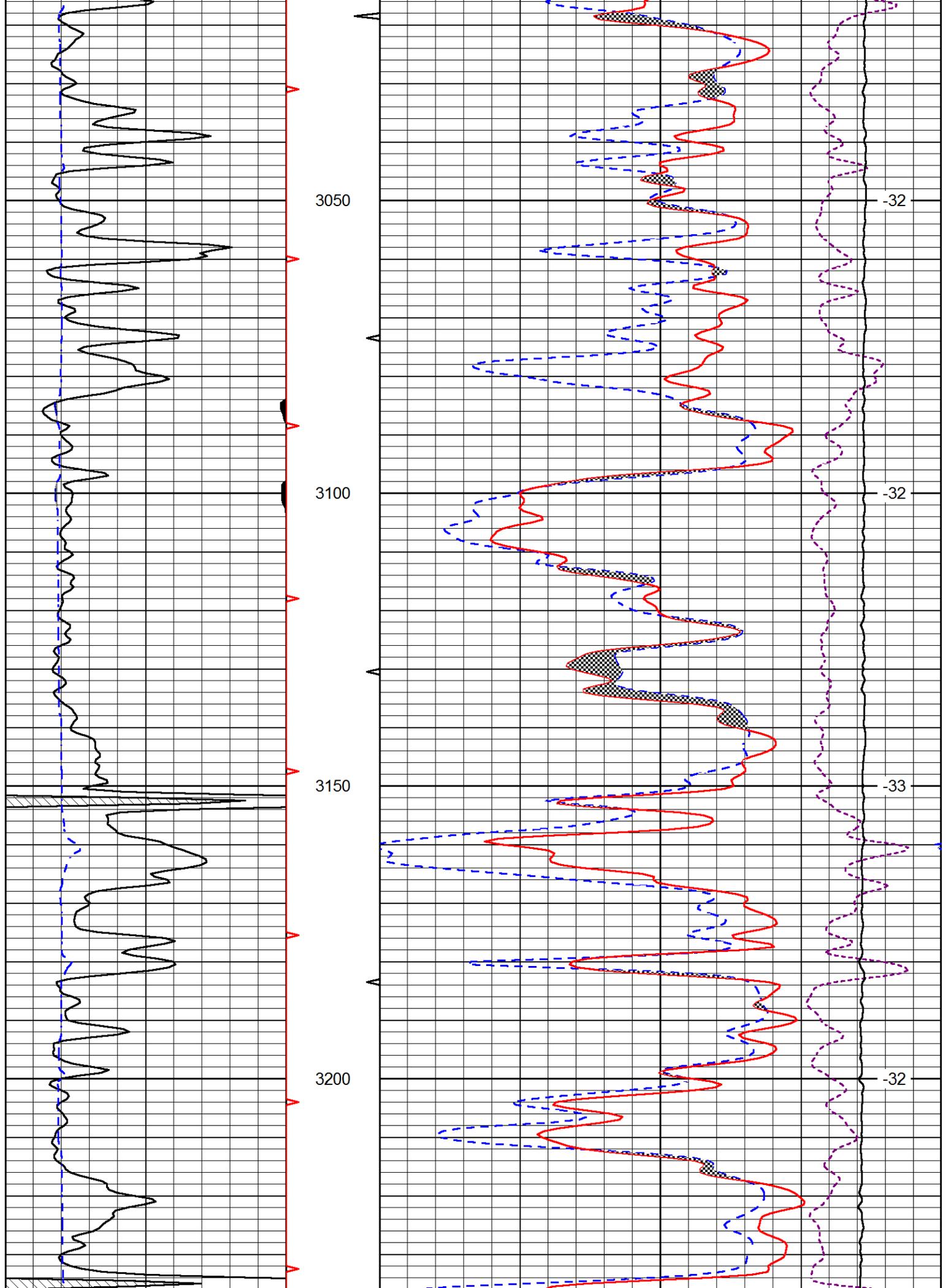


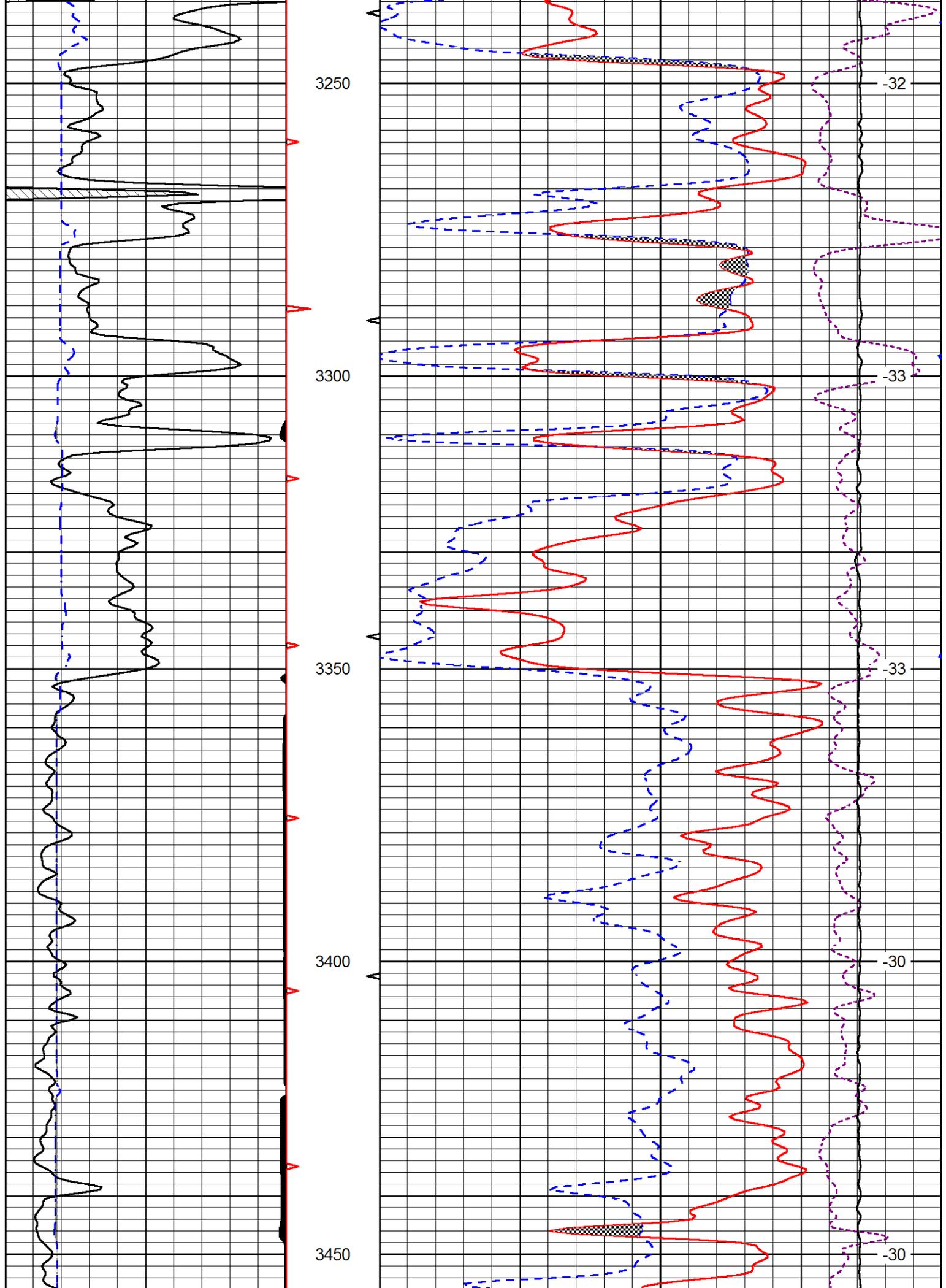


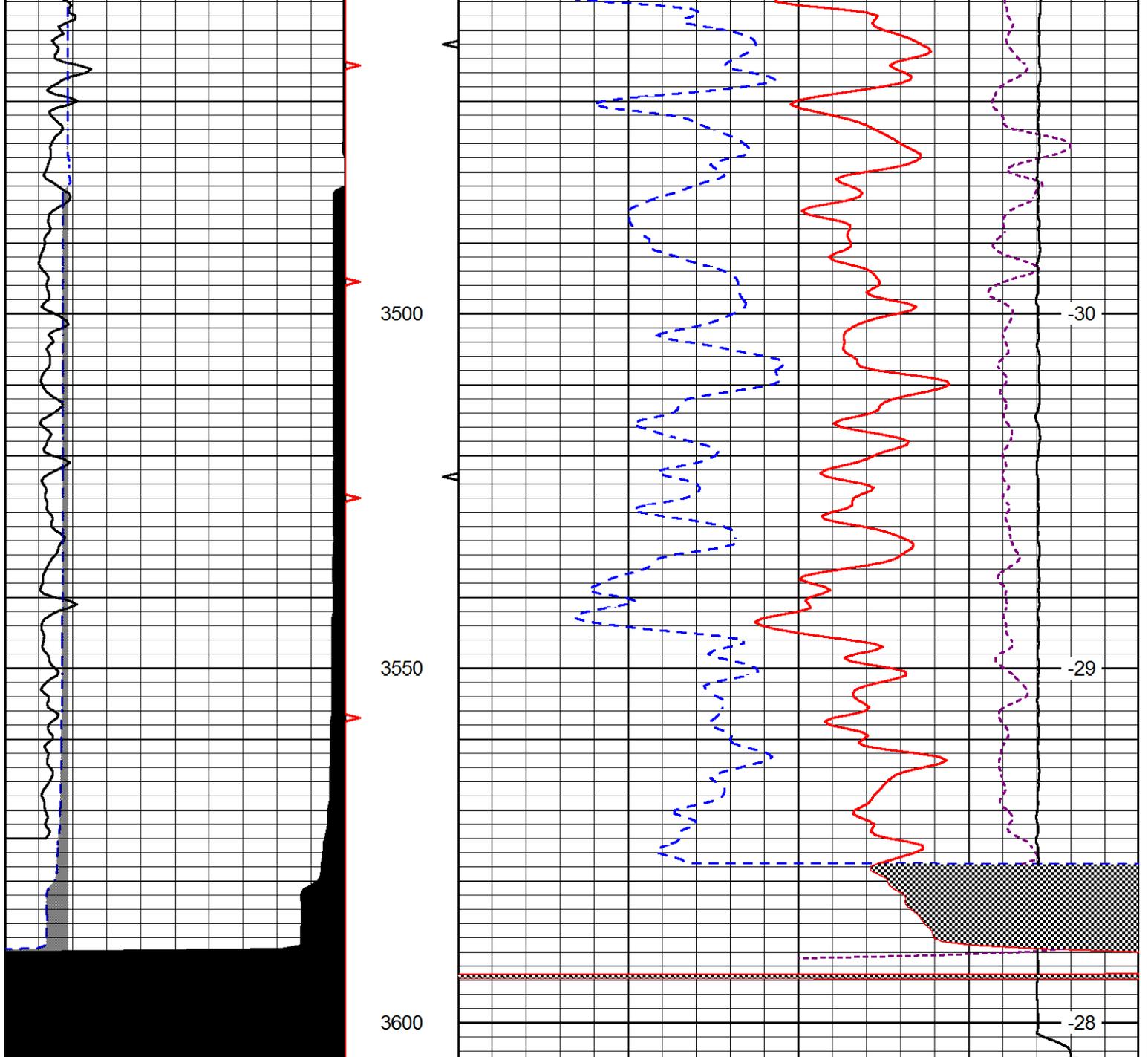












0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)	-10
30	Compensated Density (2.71 ma) (pu)	-10
10000	Line Tension (lb)	0

-0.25	Correction (g/cc)	0.25
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LSPD  
(ft/min)