



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1238136  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1238136

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------

Form	ACO1 - Well Completion
Operator	Yale Oil Association, Inc.
Well Name	Brian 1-6
Doc ID	1238136

Tops

Name	Top	Datum
Anhydrite	875	1043
Base Anhy	910	1008
Topeka	2796	-878
Heebner	3028	-1110
Toronto	3042	-1124
Douglas	3059	-1141
Lansing	3098	-1180
Arbuckle	3334	-1416

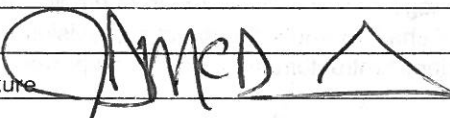
# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 337

Date	8-29-14	Sec.	6	Twp.	16	Range	13	County	Barton	State	KS	On Location	12:15 AM	Finish	1:45 AM
Lease	E. Brian		Well No.	1-6		Owner	VCS Entc								
Contractor	Vut		6		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Type Job	Surface		Charge To: GALE Oil Assoc. Inc												
Hole Size	12 1/4		T.D.	440		Cement Amount Ordered: 200 3/4 CC									
Csg.	8 5/8		Depth	440.14		Common: 200									
Tbg. Size			Depth			Poz. Mix									
Tool			Depth			Gel: 4									
Cement Left in Csg.			Shoe Joint			Calcium: 7									
Meas Line			Displace	26.3/4 BBS		Hulls									
<b>EQUIPMENT</b>															
Pumptrk	20	No.	Cementer	Not		Salt									
			Helper	Not		Flowseal									
Bulktrk	1	No.	Driver	Mick		Kol-Seal									
			Driver	Mick		Mud CLR 48									
Bulktrk	24	No.	Driver	Tyler		CFL-117 or CD110 CAF 38									
			Driver	Tyler		Sand									
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:	Cement did circulate														
Rat Hole	Handling 211														
Mouse Hole	Mileage 8 5/8														
Centralizers	Guide Shoe														
Baskets	Centralizer														
D/V or Port Collar	Baskets														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	Handled in Bulktrk 2/14														
	Pumptrk Charge Surface														
	Mileage 18														
	Tax														
	Discount														
	Total Charge														
X Signature	 08-29-14														

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 343

Date	9-5-14	Sec.	6	Twp.	16	Range	13	County	Barton	State	KS	On Location	200pm	Finish	5:15 pm
------	--------	------	---	------	----	-------	----	--------	--------	-------	----	-------------	-------	--------	---------

Lease	Brian	Well No.	1-6	Owner	Y2S Ento
-------	-------	----------	-----	-------	----------

Contractor	Vol			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
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Type Job	Long string			Charge To	Yale Oil
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Hole Size	7 7/8	T.D.	3328	Street	
-----------	-------	------	------	--------	--

Csg.	5/8	Depth	0	City		State	
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Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
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Tool		Depth		Cement Amount Ordered	150 10% salt
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Cement Left in Csg.	42.15	Shoe Joint	42.15	Meas Line	15.5	Displace	78 BBL	5% gilsonite
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EQUIPMENT				Common	
Pumptrk	20	No.	Cement		
			Helper		
Bulktrk	#1	No.	Driver		
			Driver		
Bulktrk	qu	No.	Driver		
			Driver		

### JOB SERVICES & REMARKS

Remarks: Salt 13

Rat Hole 15 SHS Flowseal

Mouse Hole 30 SHS Kol-Seal 750#

Centralizers 1, 3, 5, 7, 9, 11 Mud CLR 48 500 gal

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

Dropped Ball Circulate Handling 170

45 min Run Mud flush Mileage

plug bottom mouse hole 5% FLOAT EQUIPMENT

mixed 105 down Guide Shoe

hole displaced Centralizer 6 turbos

with water Baskets

L.F.L. 200 PSI AFU Inserts

Lead 1500 PSI Float Shoe 1

Rubber plug Latch Down 1

Pumptrk Charge prod string

Mileage 18

X Signature *JAMES D* 0905-14

Tax  
Discount  
Total Charge



Pioneer Energy Services

## Computer Processed Interpretation

API No. 15-009-26,022-00-00

Company Yale Oil Association, Inc.

Well Brian #1-6

Field Trapp

County Barton State Kansas

Location S2-SW-NW  
2970' FSL & 660' FWL  
Other Services  
DIL/CNL/CDL  
MEL

Sec: 6 Twp: 16S Rge: 13W

Permanent Datum Ground Level Elevation 1908

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing  
K.B. 1918  
D.F. 1908  
G.L. 1908

Date Recorded 9/5/2014

Depth Logger 3325 Curve Definitions

SW Water Saturation

SXO Water Saturation In The Flushed Zone

VCL Volume Of Clay

PHIE Density - Neutron Crossplot Shale Corrected

BWV Bulk Volume Water

BWMSXO Bulk Volume Water In Flushed Zone

DCAL Caliper

SPC SP Corrected For Baseline

DGA Apparent Grain Density

Payflag If: PHIE > 2 %, VCL < 40 %, SPC > -10 , SW < 50 % & DCAL < 11

Recorded By D Kerr

Witnessed By Kurt Talbott

Analysis By Dale Legleiter

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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

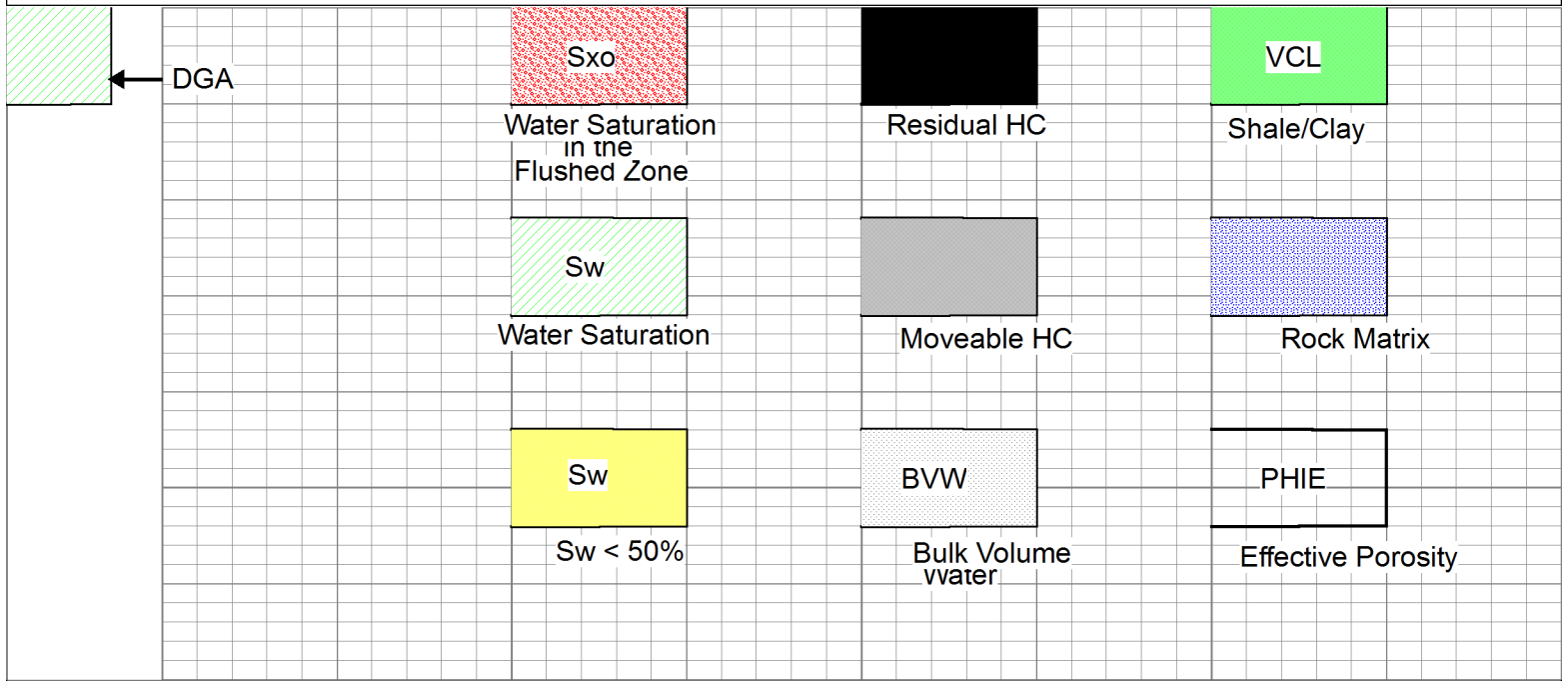
Thank you for using Pioneer Energy Services  
www.pioneer.com  
785 625 3858

Susank KS, 3 North, 2 West,  
1/2 North, East Into

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Dataset Pathname: litho  
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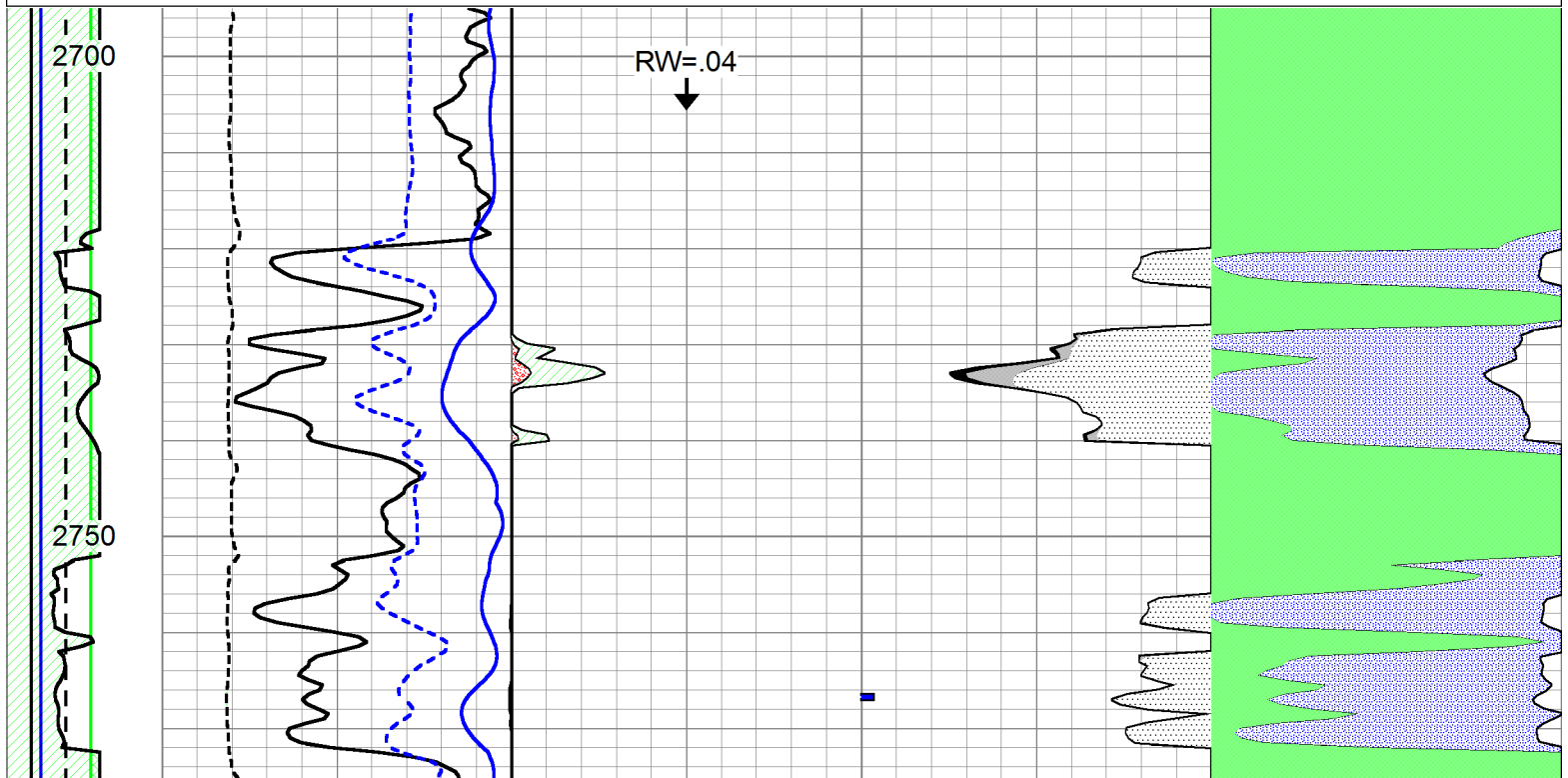
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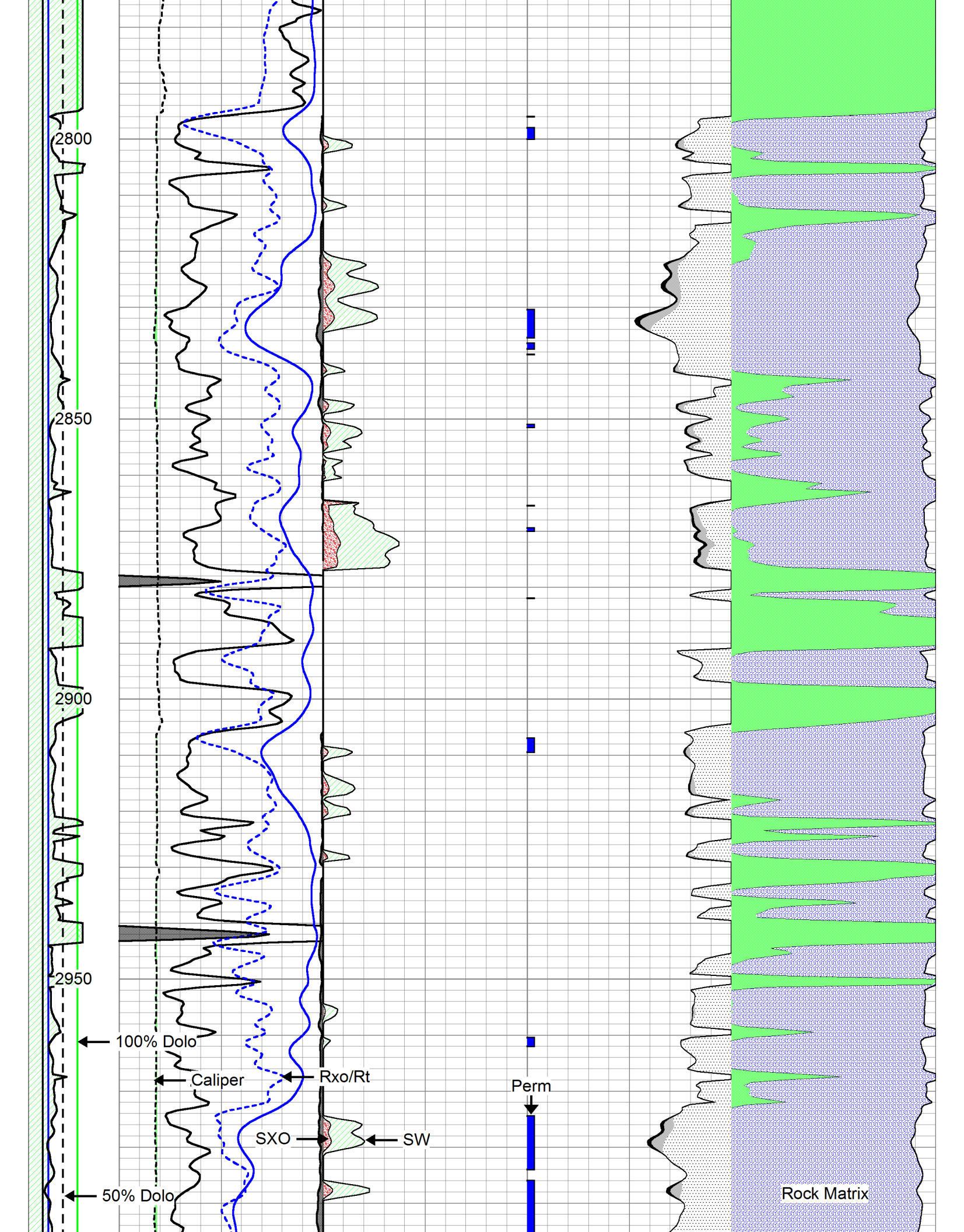
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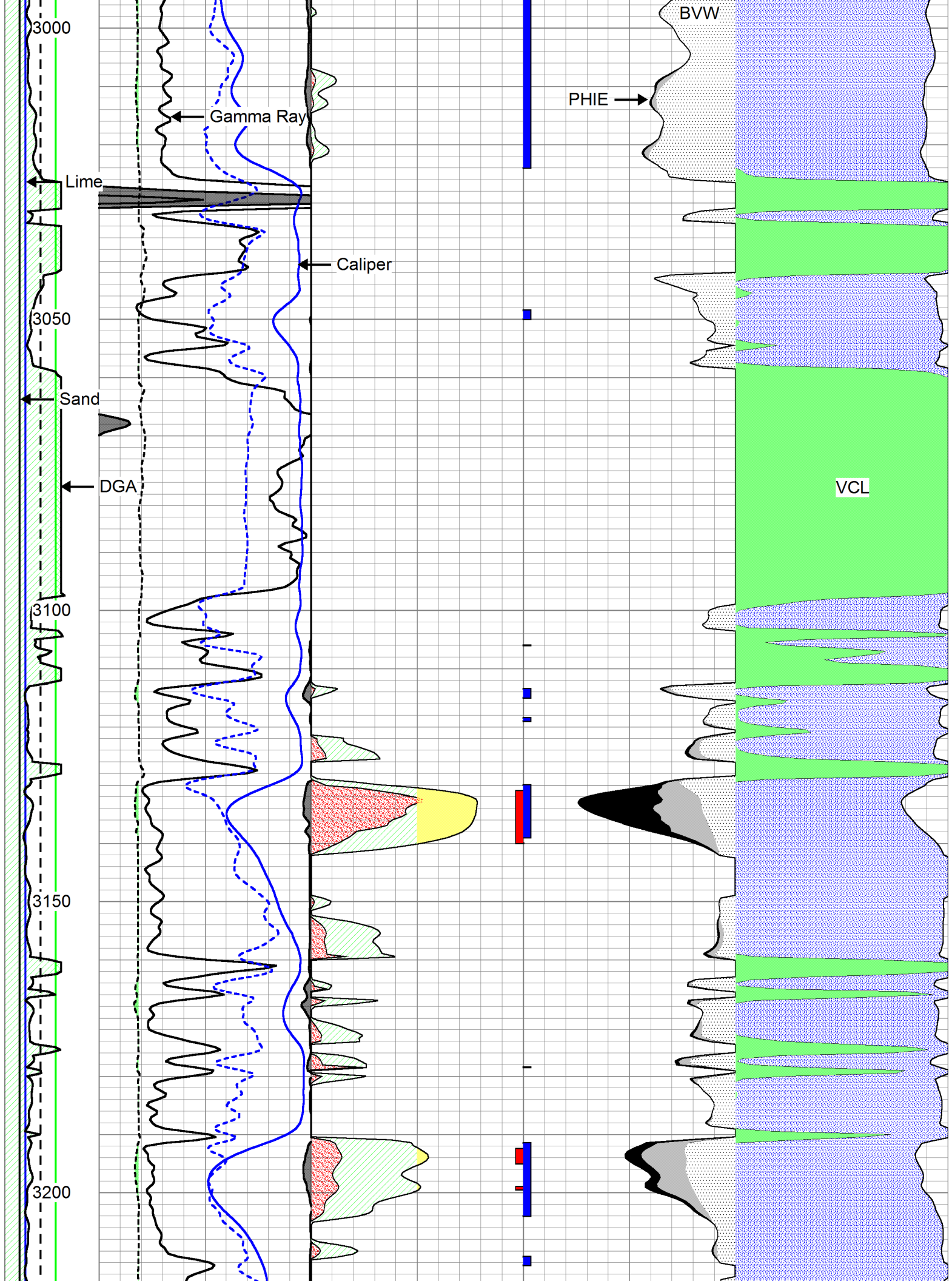
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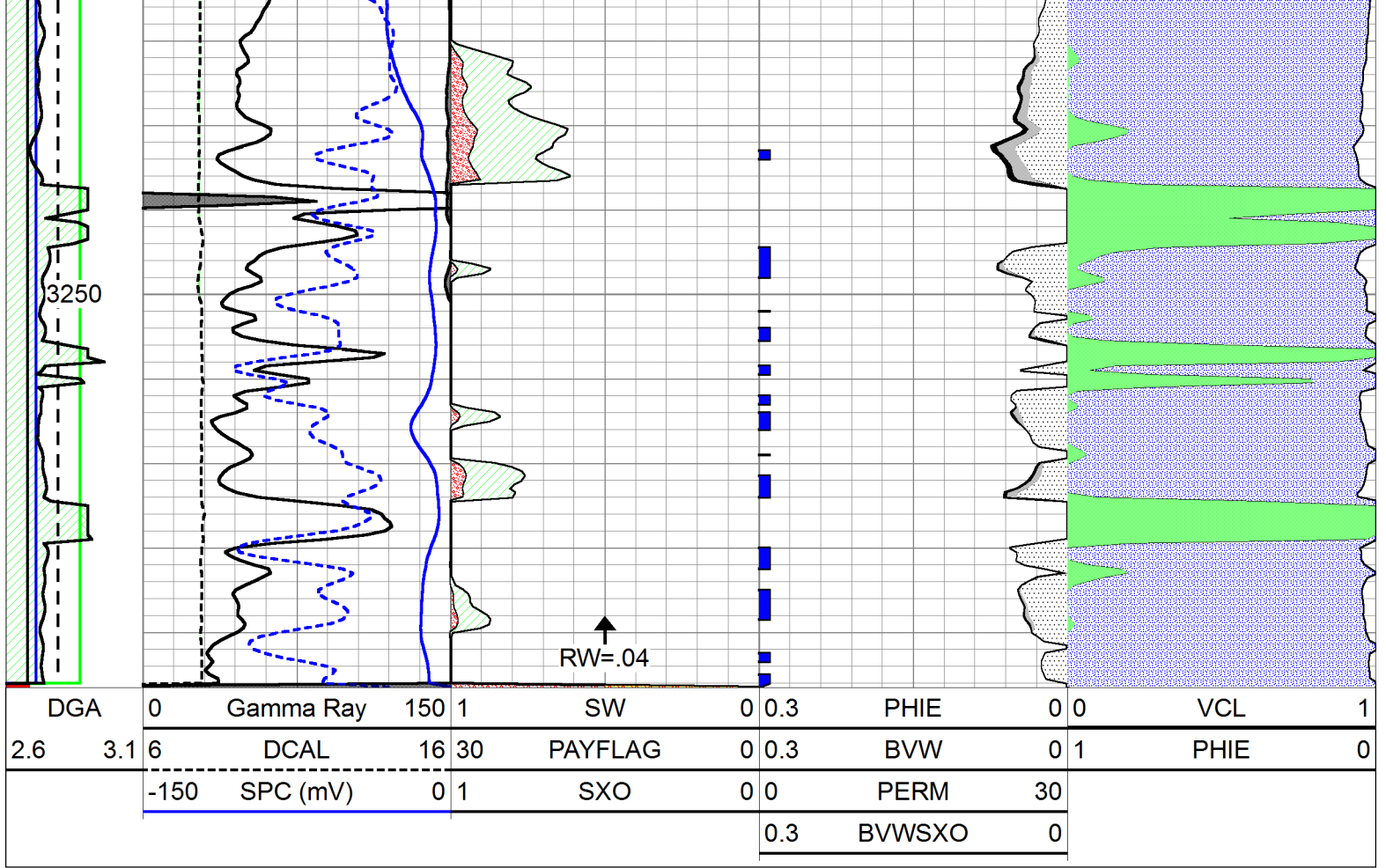
DGA	0	Gamma Ray	150	1	SW	0	0.3	PHIE	0	0	VCL	1	
2.6	3.1	6	DCAL	16	30	PAYFLAG	0	0.3	BVW	0	1	PHIE	0
		-150	SPC (mV)	0	1	SXO	0	0	PERM	30			
								0.3	BVWSXO	0			







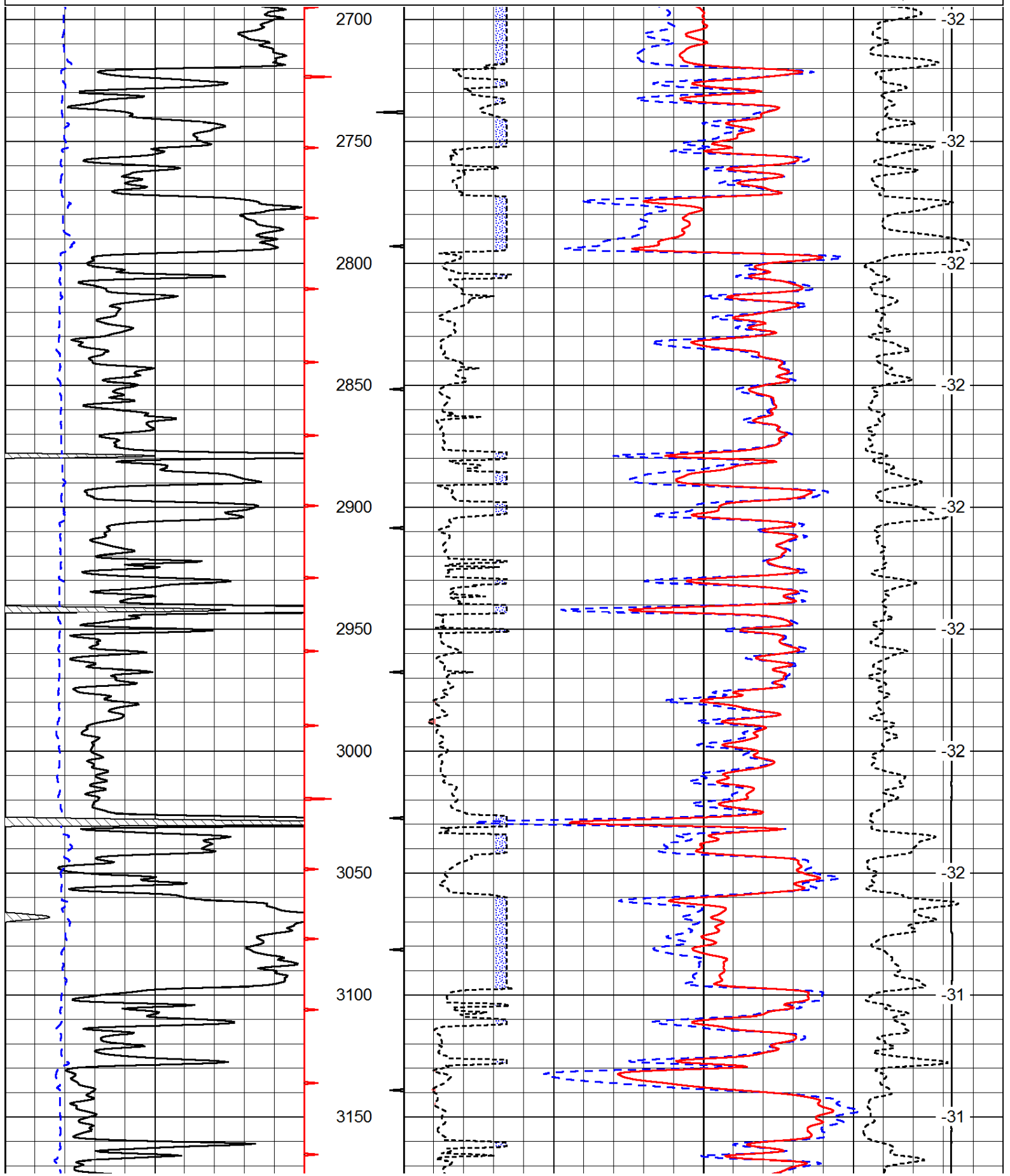


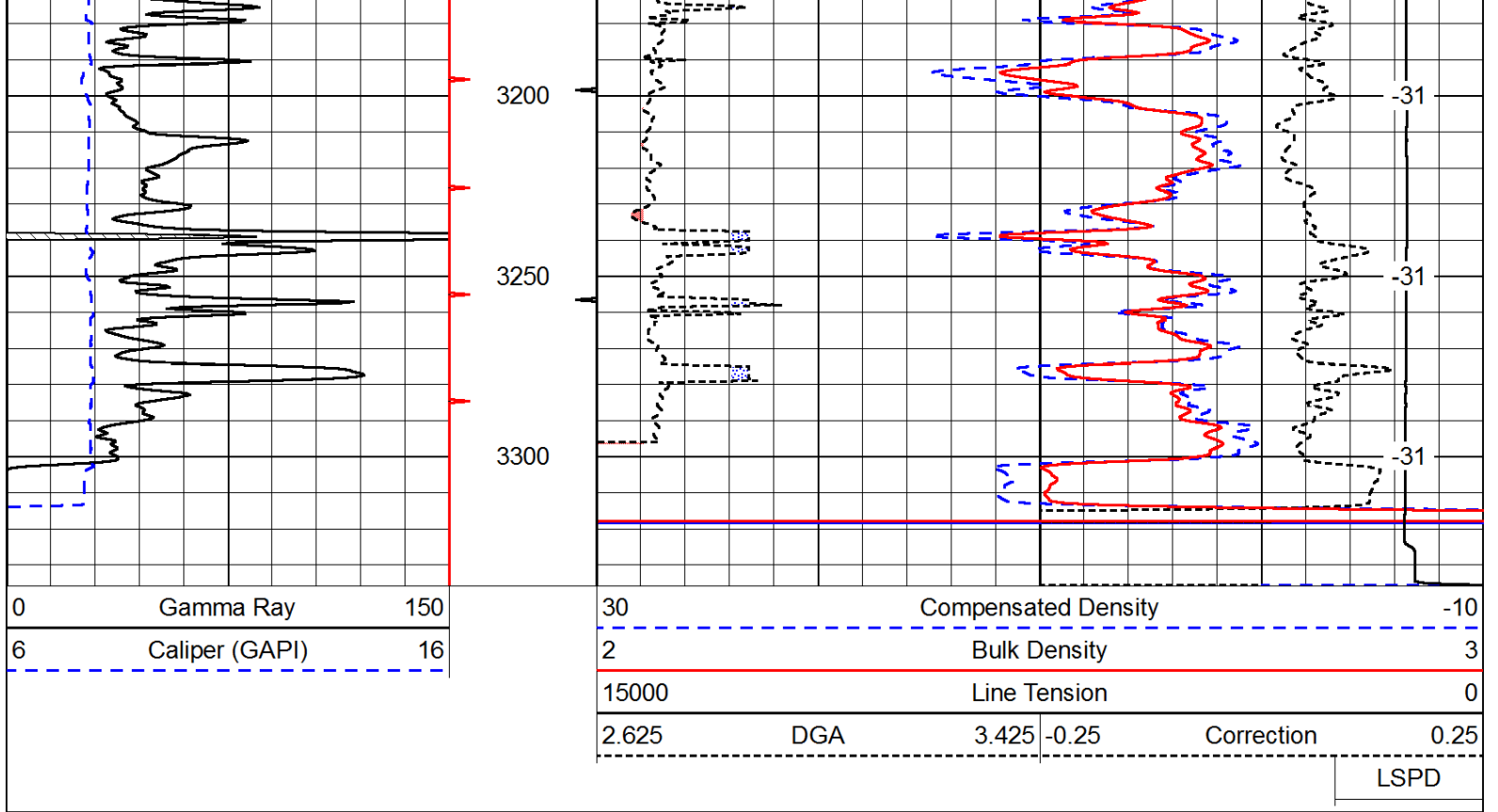




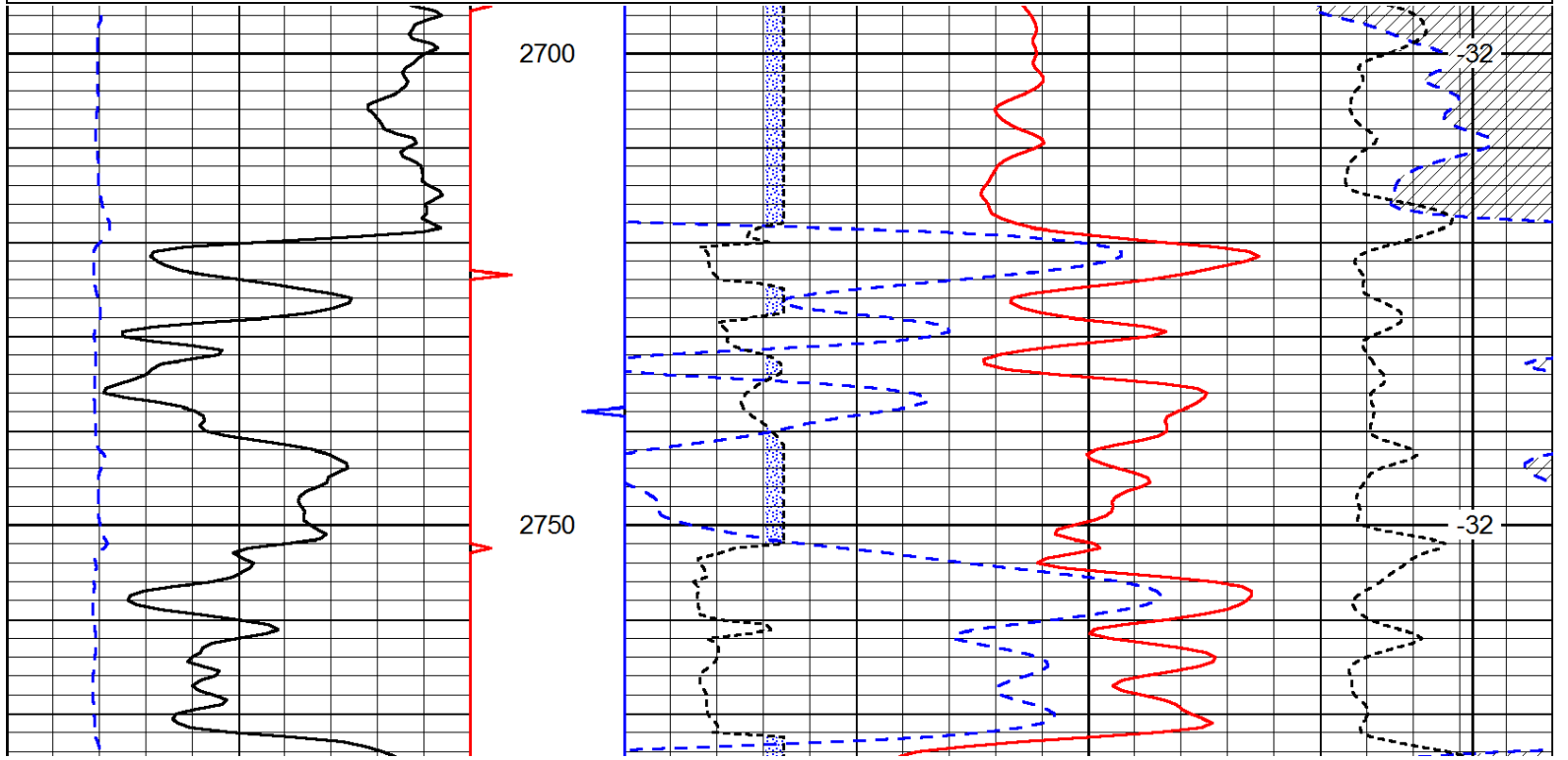
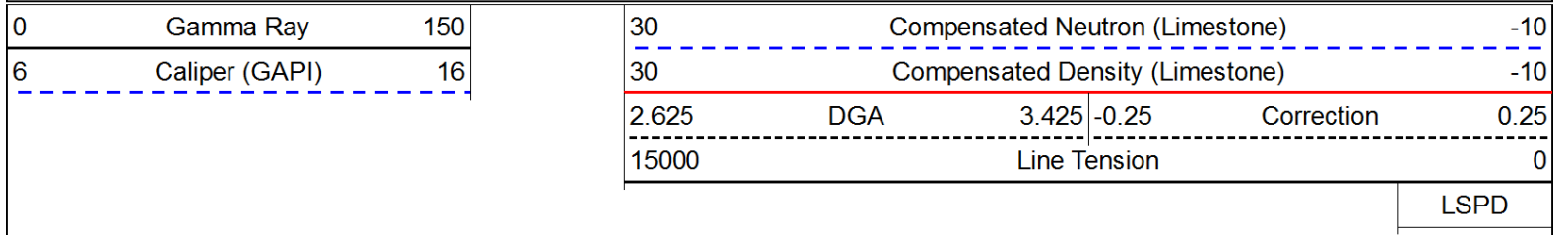
0	Gamma Ray	150
6	Caliper (GAPI)	16

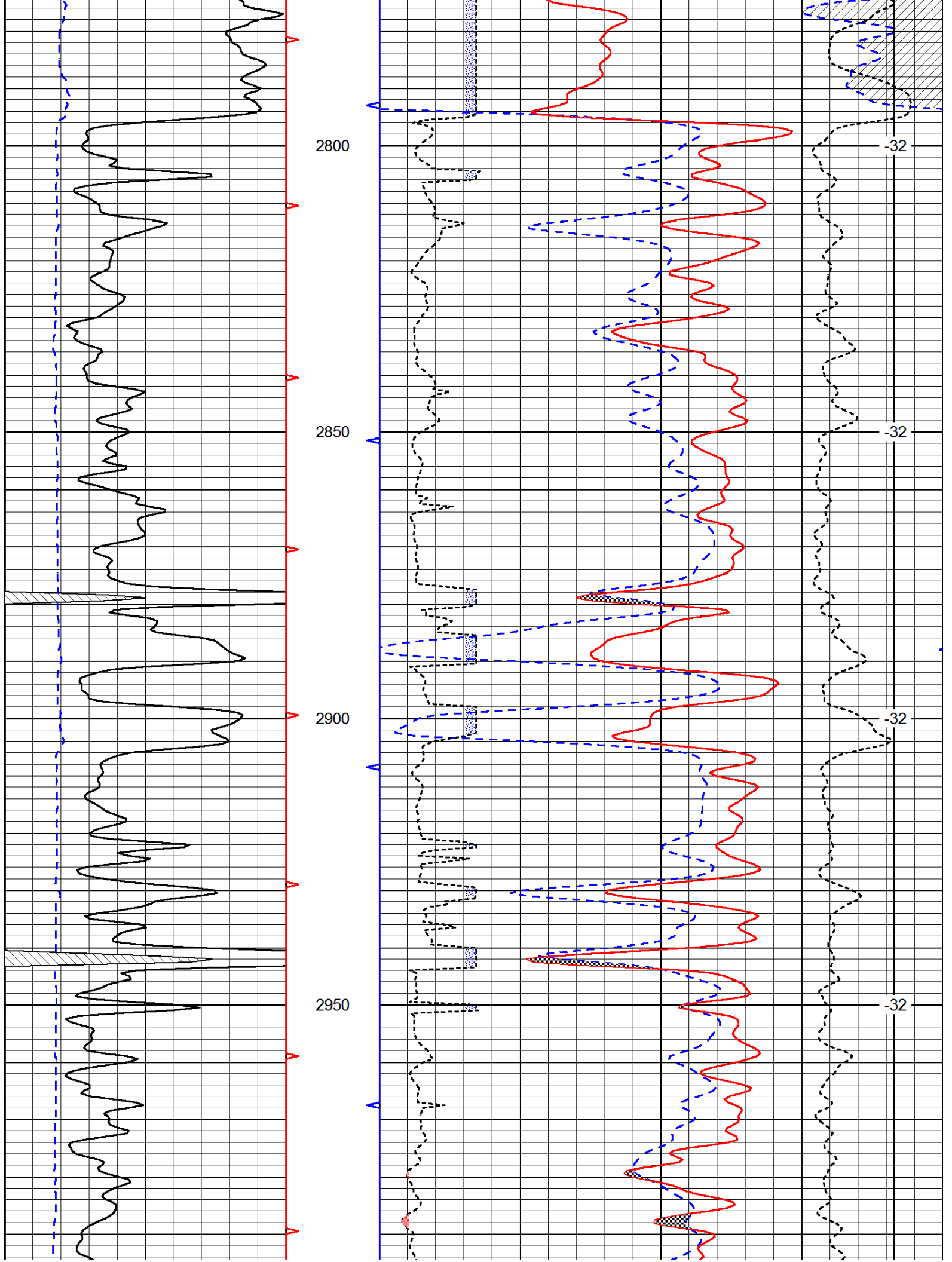
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
			Correction
			0.25
LSPD			

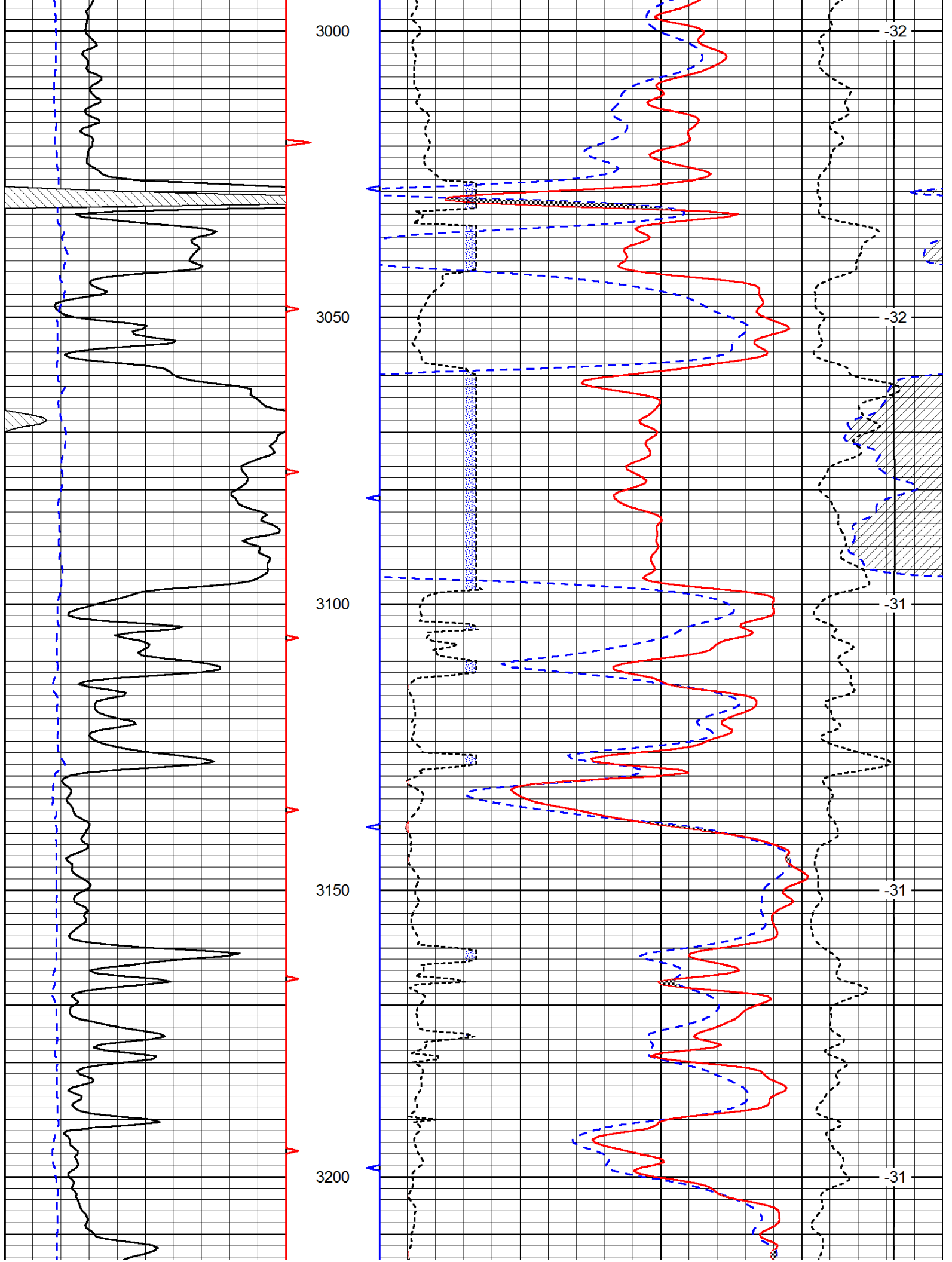


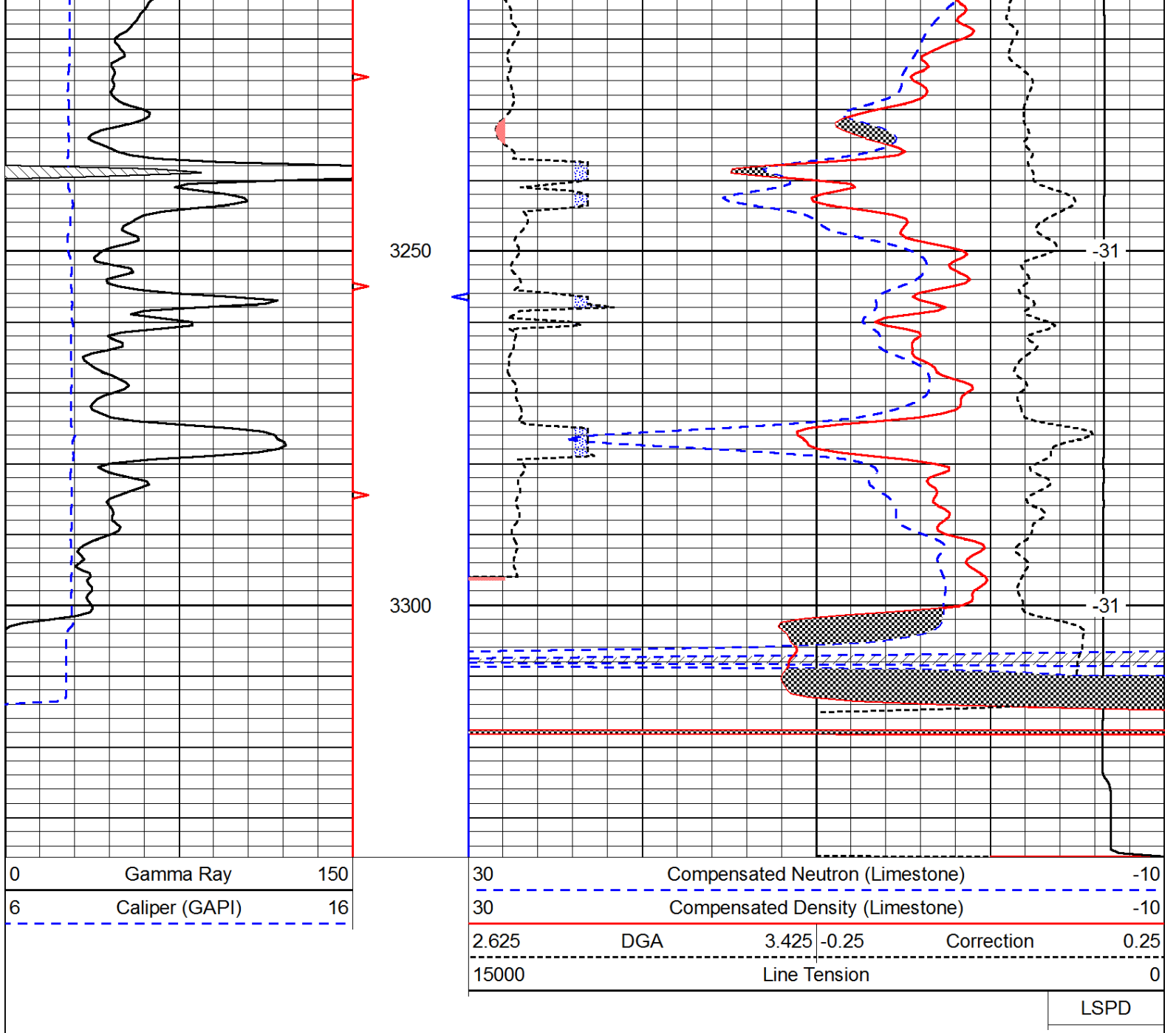


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 Charted by: Depth in Feet scaled 1:240













Pioneer Energy Services

# Dual Induction Log

15-009-26,022-00-00

API No.

Company **Yale Oil Association, Inc.**

Well **Brian #1-6**

Field **Trapp**

County **Barton**

State

**Kansas**

Location

**S2-SW-NW  
2970' FSL & 660' FWL**

Sec: **6**

Twp: **16S**

Rge: **13W**

Other Services  
CNL/CDL  
MEL

Permanent Datum  
Log Measured From  
Drilling Measured From

Ground Level  
Kelly Bushing  
From Kelly Bushing

Elevation 1908  
10 Ft. Above Perm. Datum

Elevation  
K.B. 1918  
D.F.  
G.L. 1908

Date	9/5/2014	
Run Number	One	
Depth Driller	3328	
Depth Logger	3325	
Bottom Logged Interval	3324	
Top Log Interval	400	
Casing Driller	8.625 @ 440	
Casing Logger	438	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	5400	
Density / Viscosity	9.0   50	
pH / Fluid Loss	11.5   7.8	
Source of Sample	Flowline	
Rm @ Meas. Temp	0.65 @ 80	
Rmf @ Meas. Temp	0.49 @ 80	
Rmc @ Meas. Temp	0.88 @ 80	
Source of Rmf / Rmc	Charts	
Rm @ BHT	0.48 @ 109	
Operating Rig Time	4 Hours	
Max Rec. Temp. F	109	
Equipment Number	15	
Location	Hays	
Recorded By	D. Kerr	
Witnessed By	Kurt Talbott	

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## Comments

Thank you for using Pioneer Energy Services  
[www.pioneerenergy.com](http://www.pioneerenergy.com)  
 785 625 3858

Susank KS, 3 North, 2 West,  
 1/2 North, East Into

Database File: c:\warrior\data\yale oil\_brian #1-6\yale\_brain\_1\_6hd.db  
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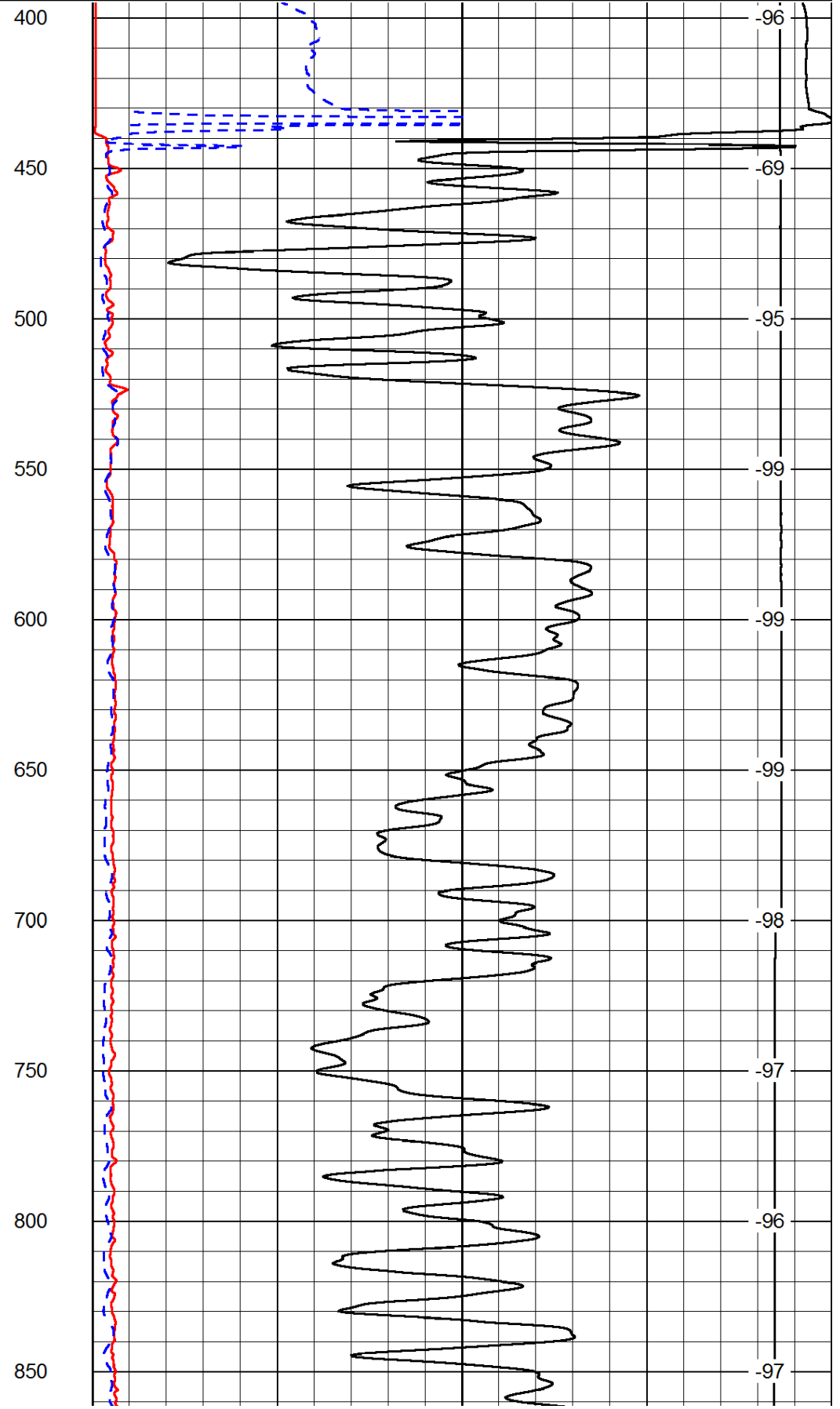
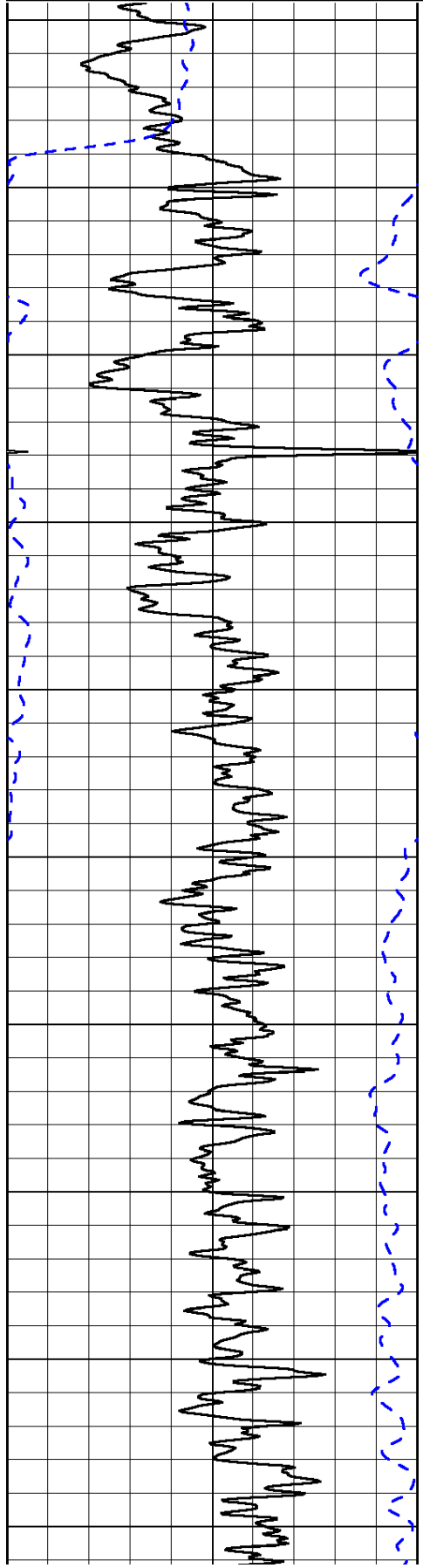
0	Gamma Ray	150
-200	SP (mV)	0

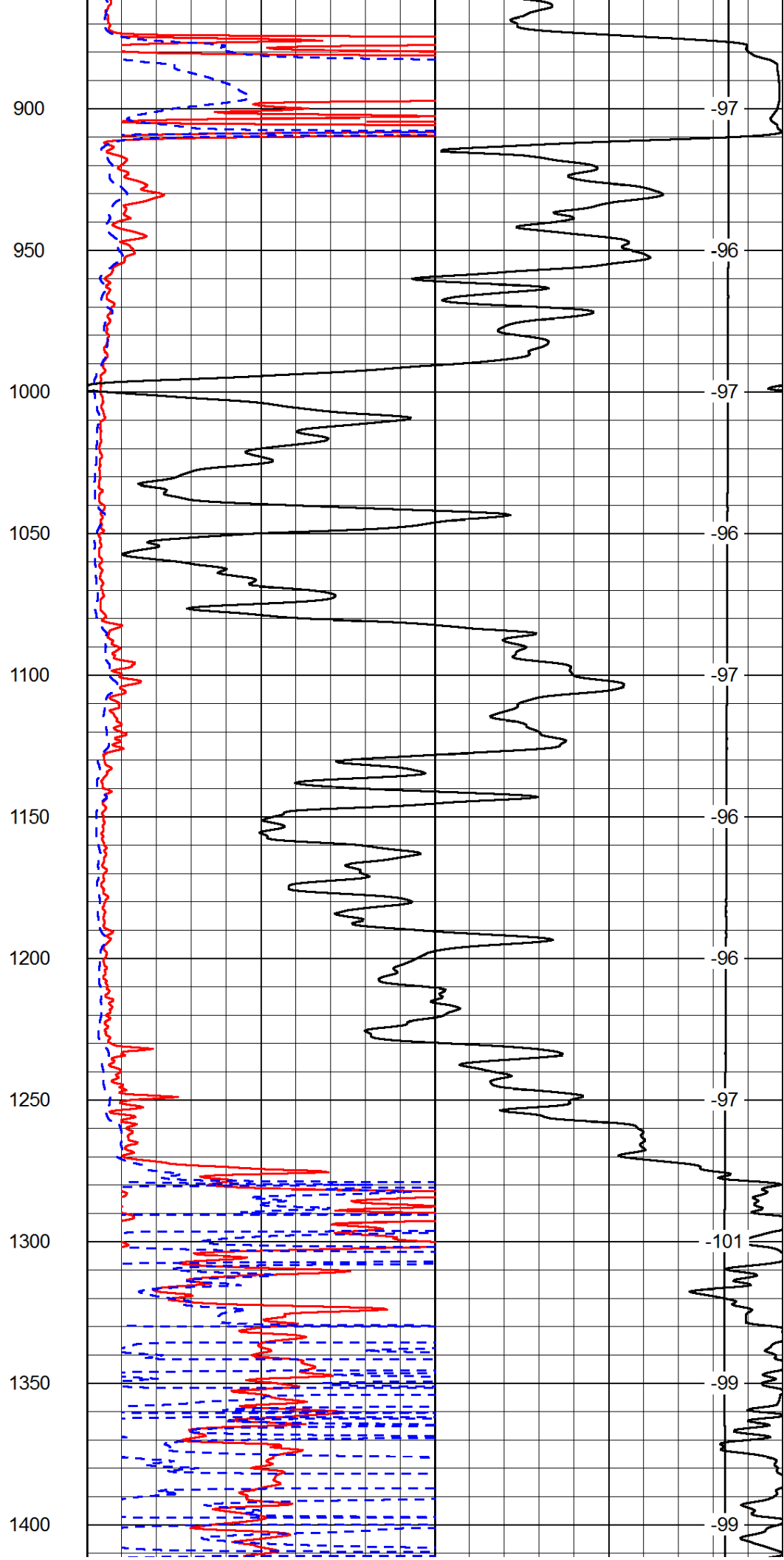
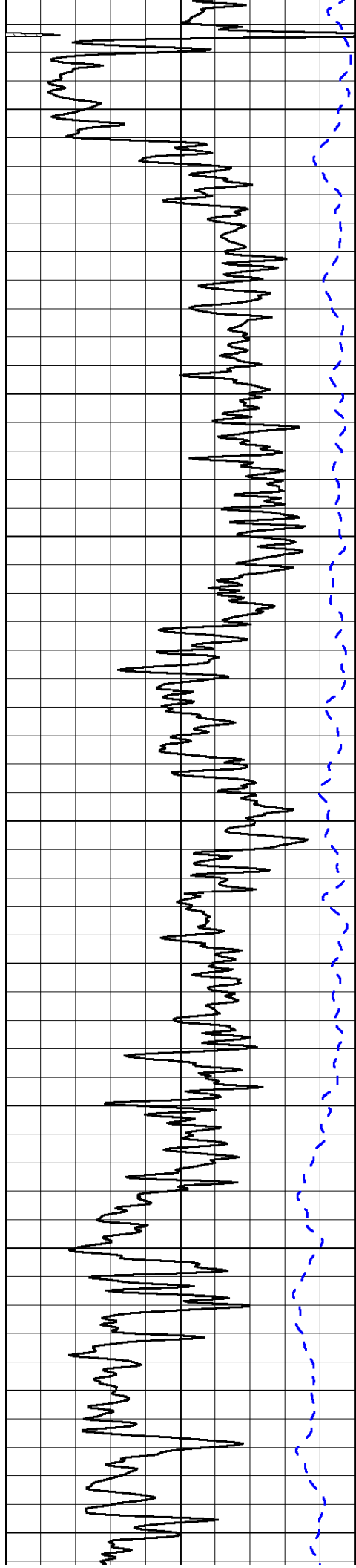
0	Shallow Resistivity	50
0	Deep Resistivity	50

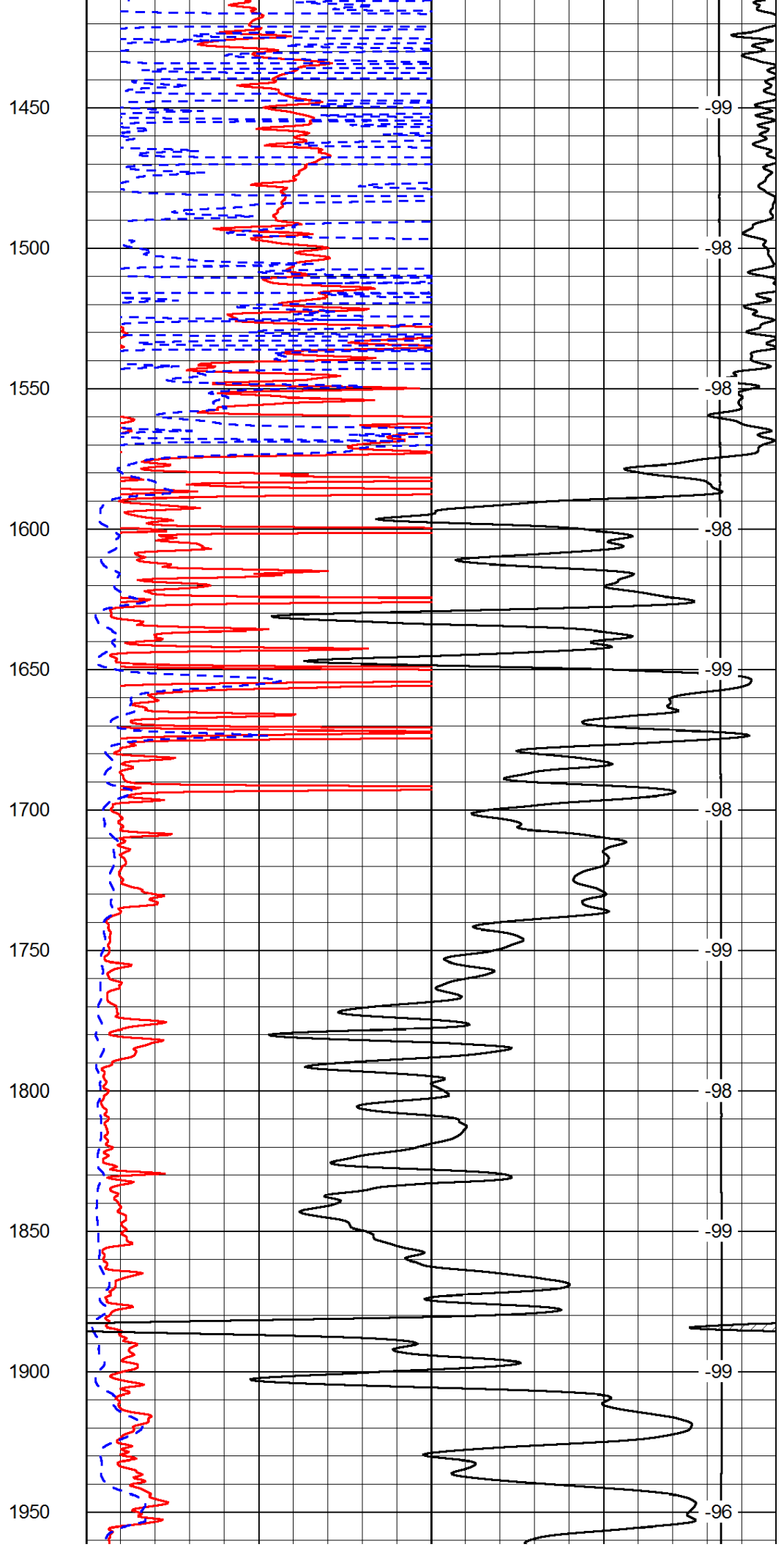
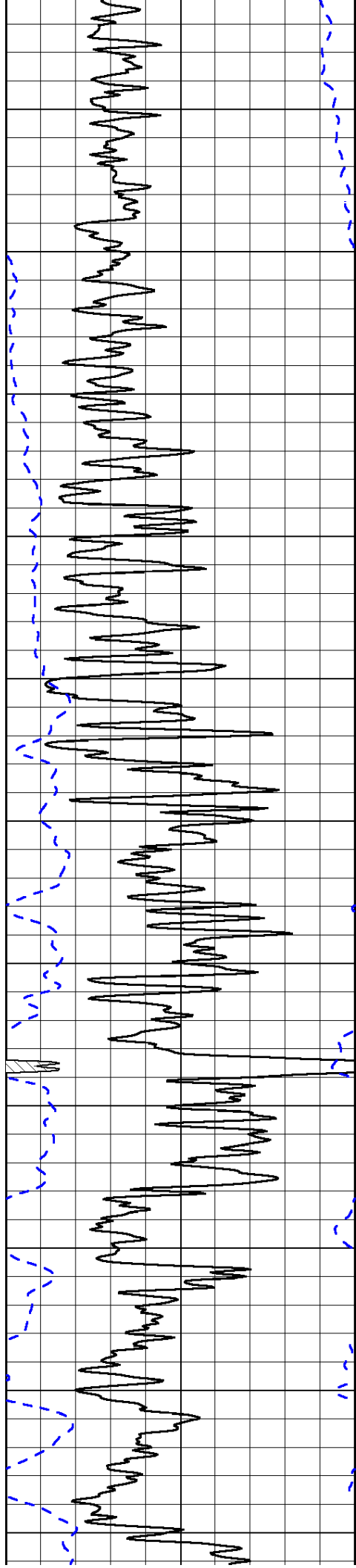
LSPD

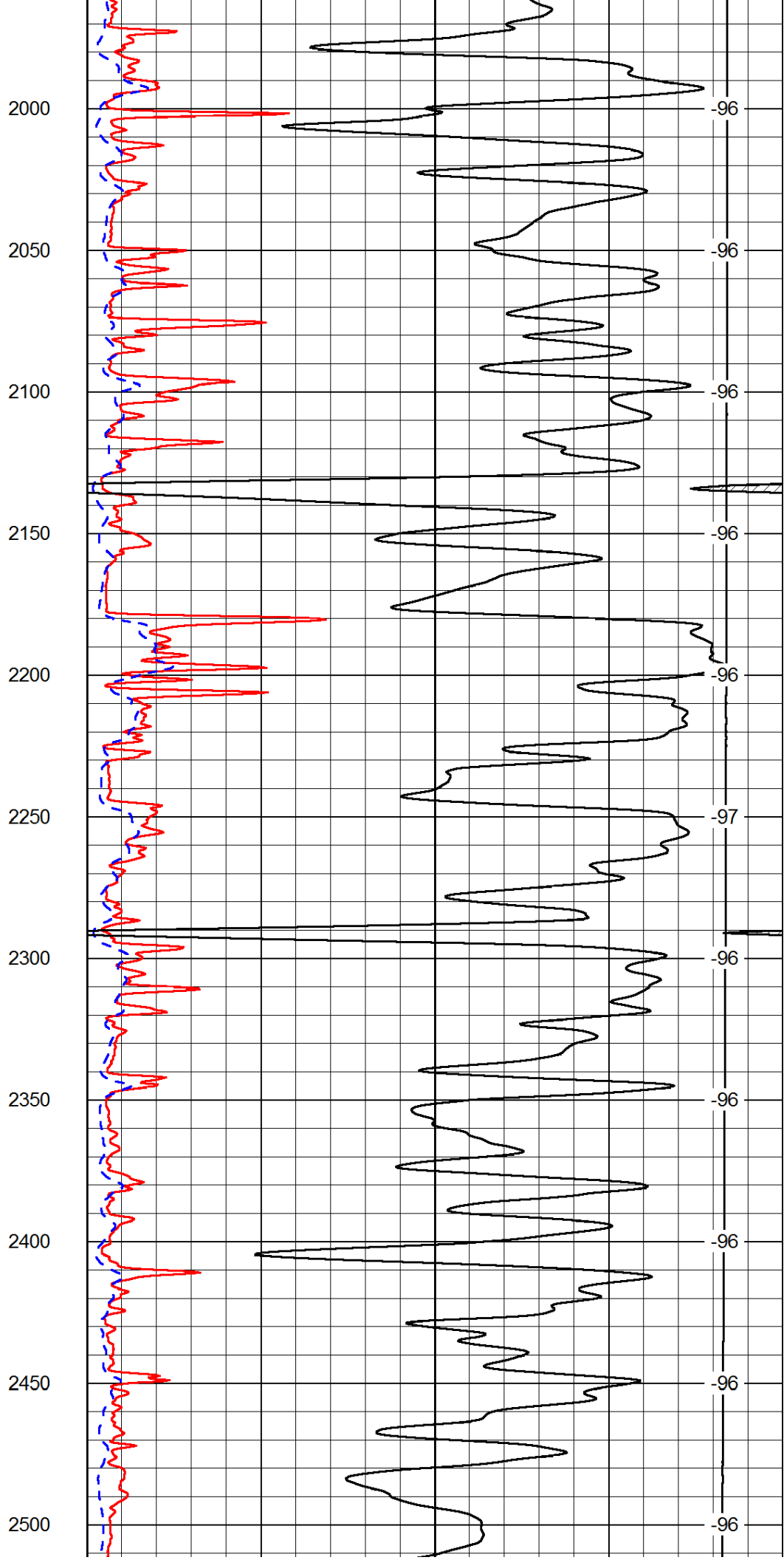
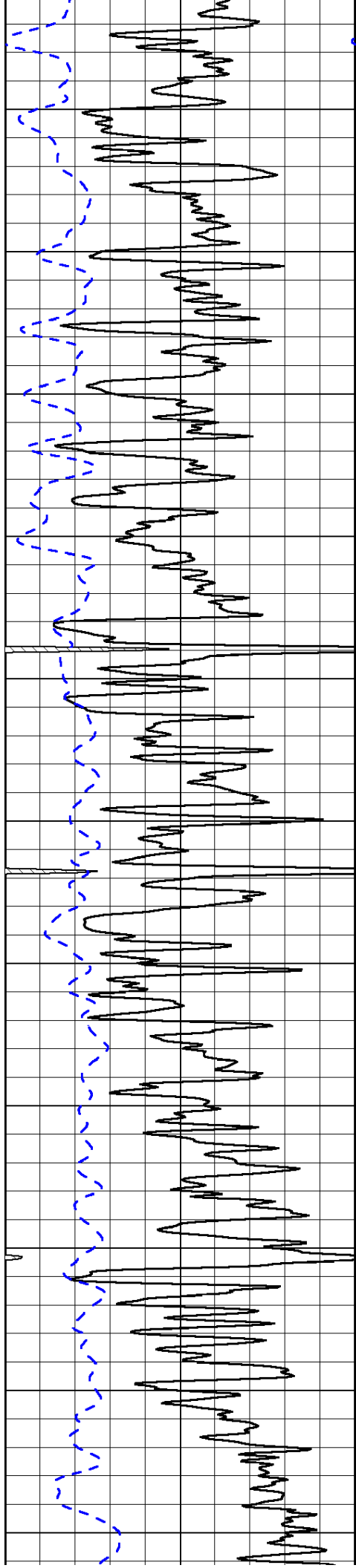
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15000	Line Tension	0

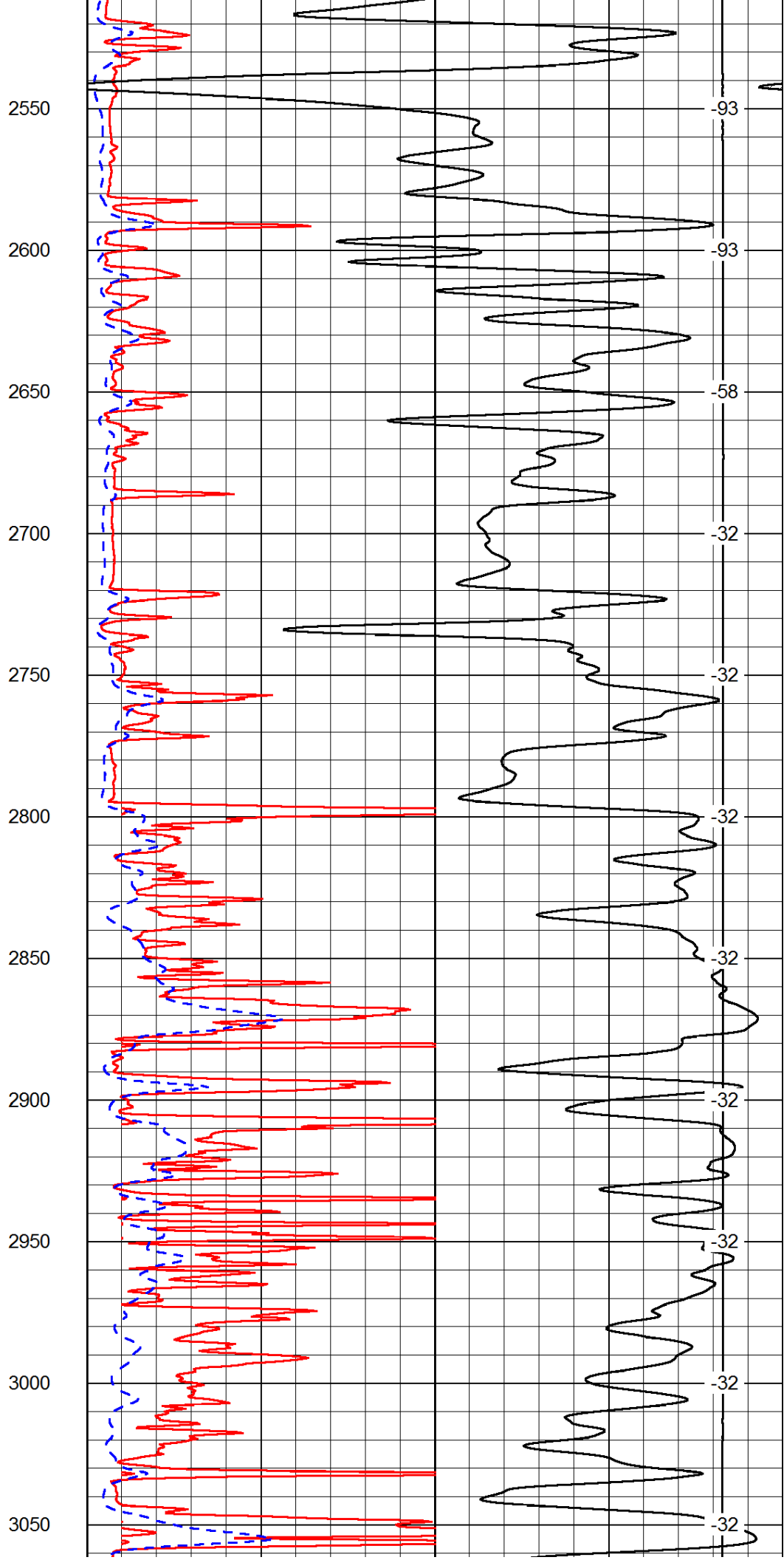
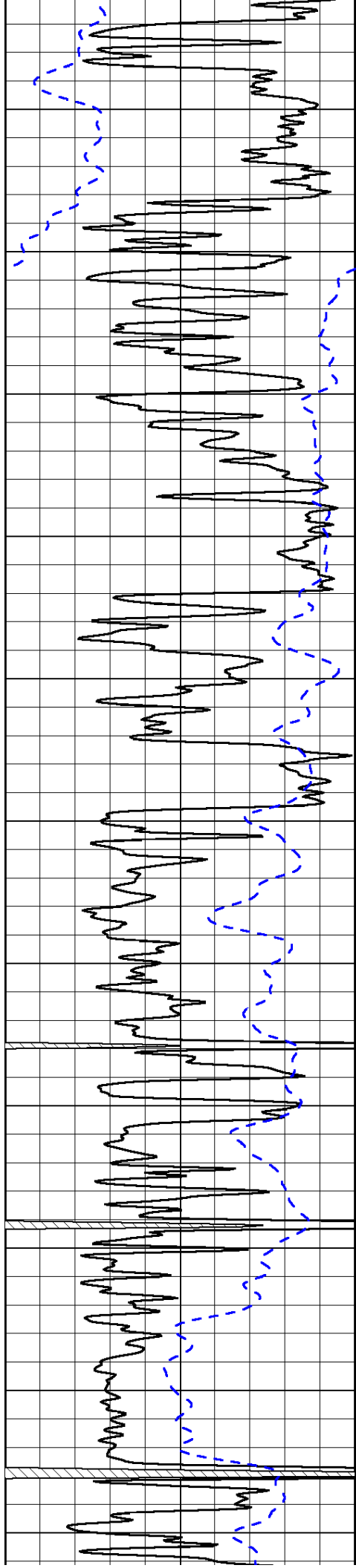
50	Shallow Resistivity	500
50	Deep Resistivity	500

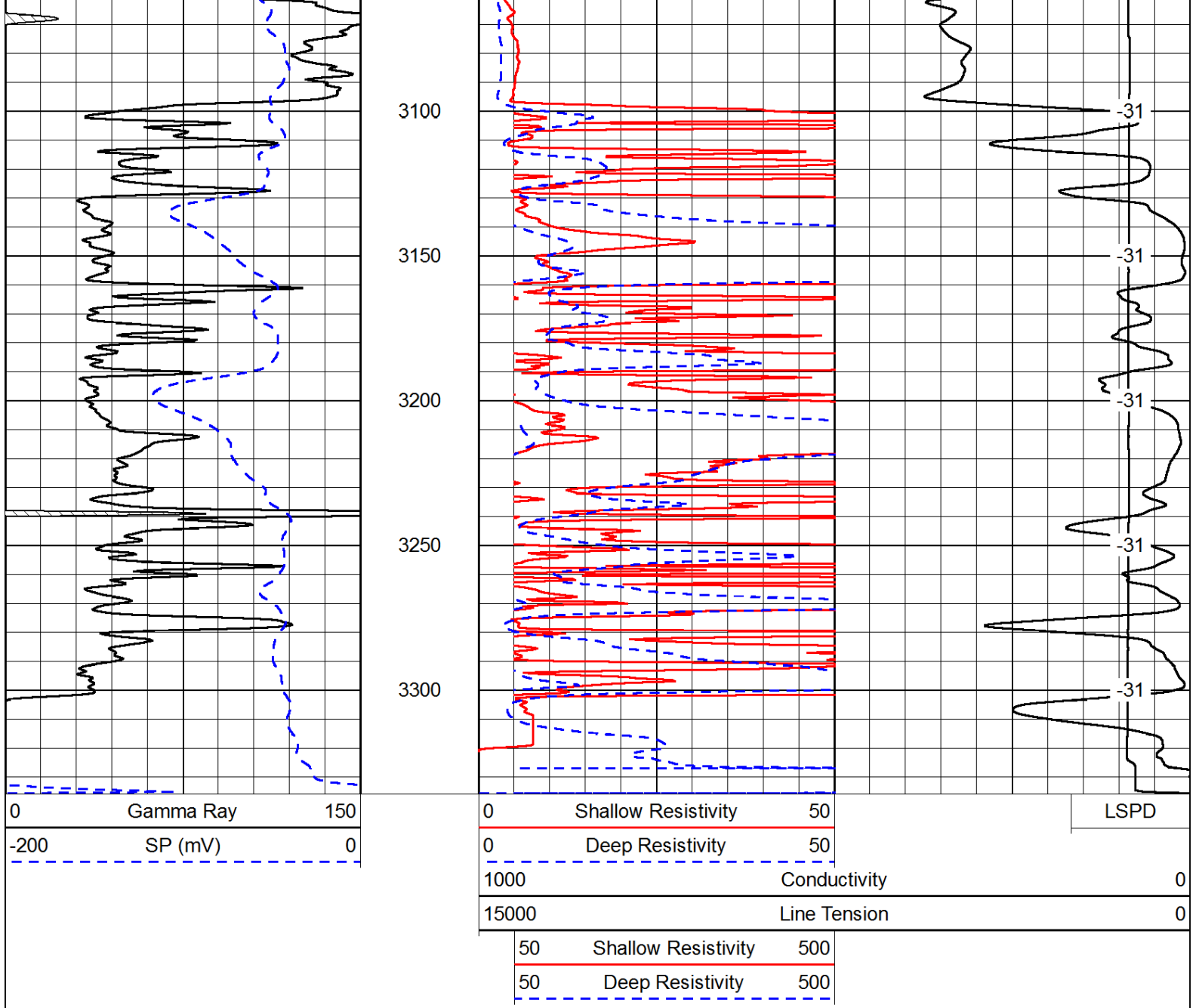




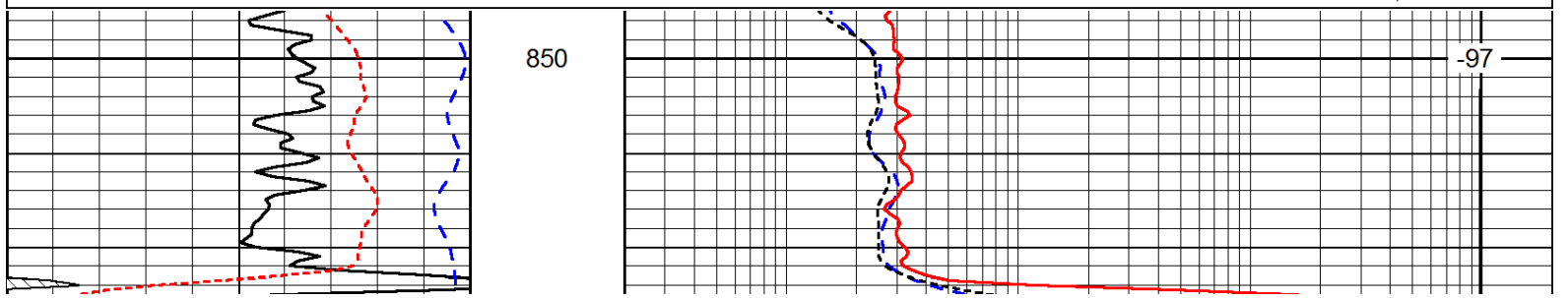
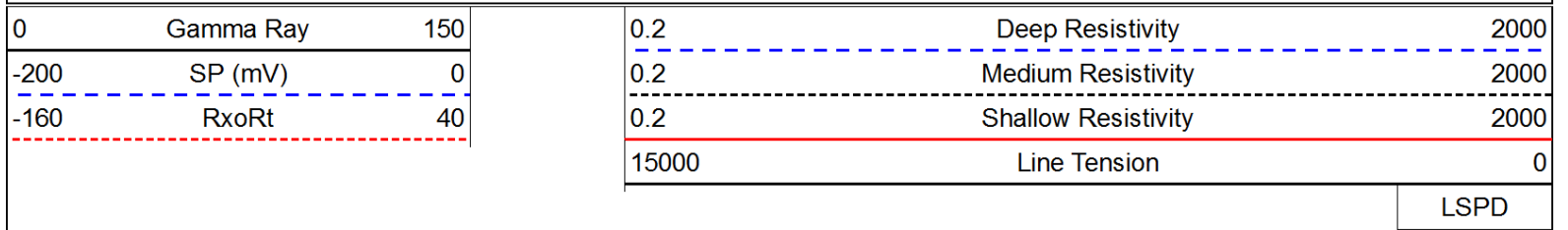


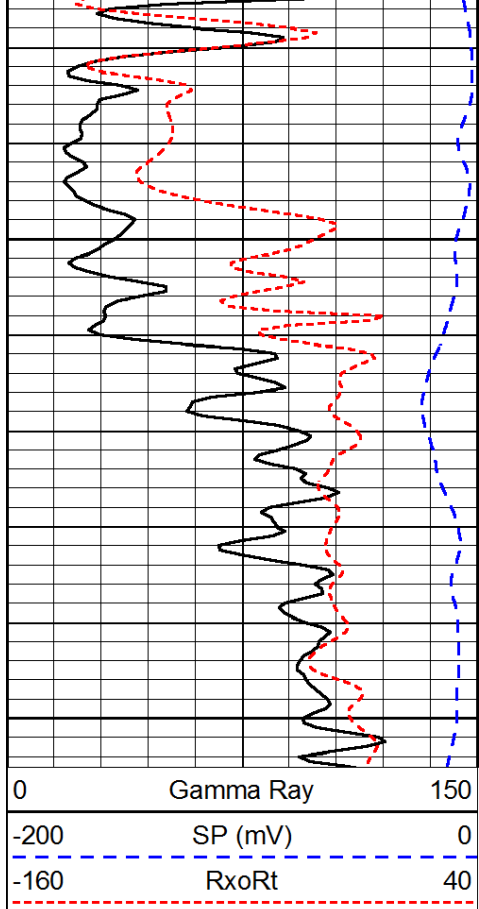






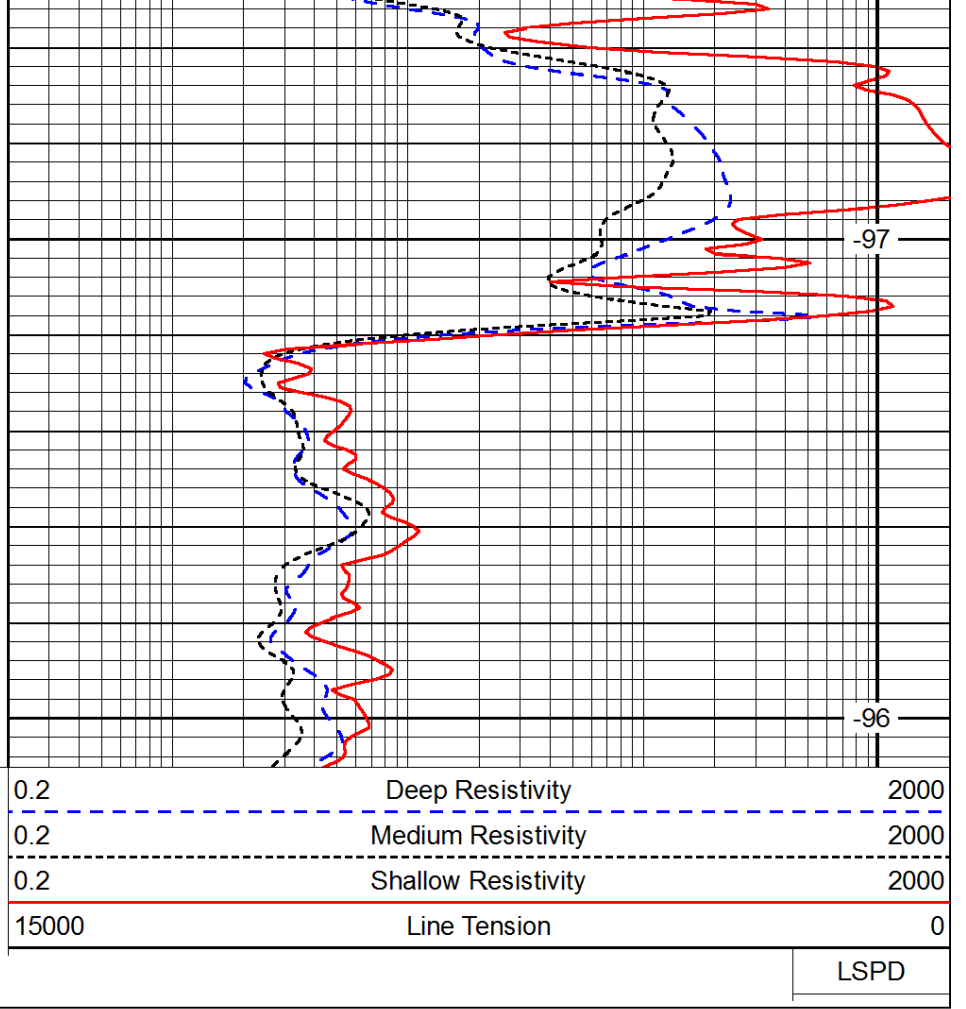
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 Presentation Format: dil  
 Dataset Creation: Fri Sep 05 06:17:45 2014  
 Charted by: Depth in Feet scaled 1:240





900

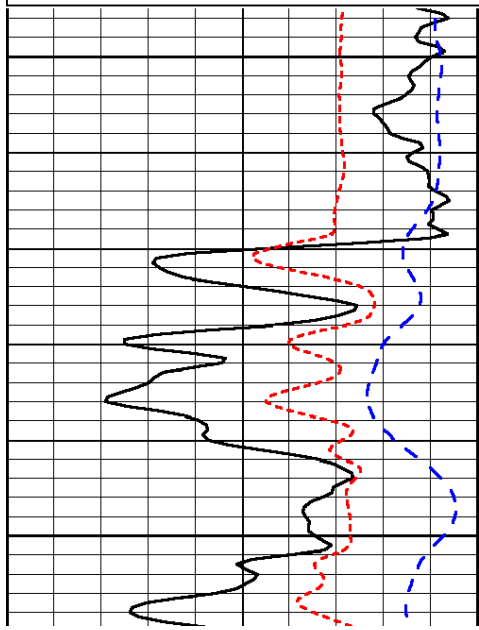
950



-97

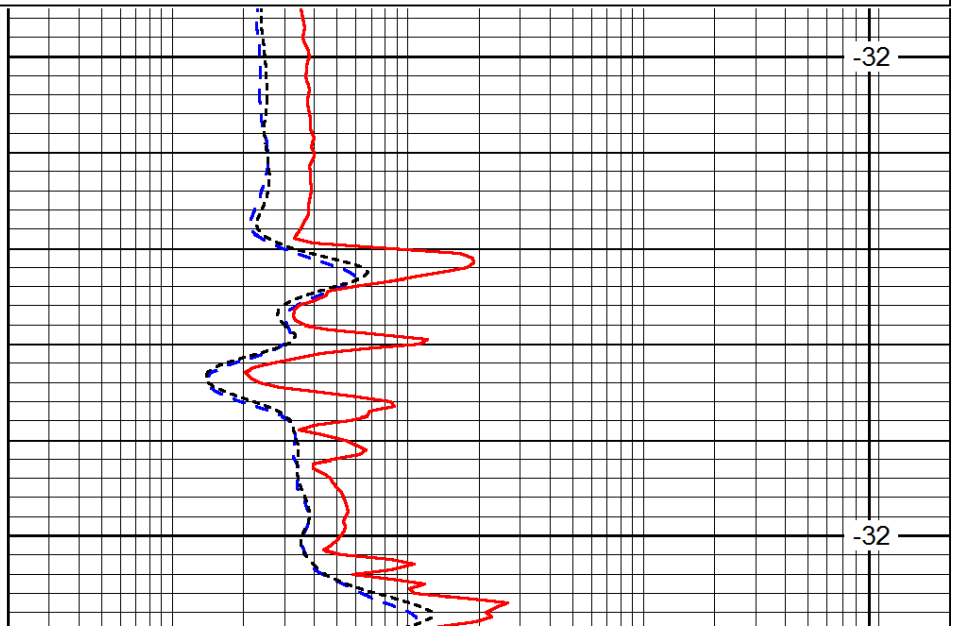
-96

Database File: c:\warrior\data\yale oil\_brian #1-6\yale\_brain\_1\_6hd.db  
 Dataset Pathname: DIL/yalestk  
 Presentation Format: dil  
 Dataset Creation: Fri Sep 05 06:17:45 2014  
 Charted by: Depth in Feet scaled 1:240



2700

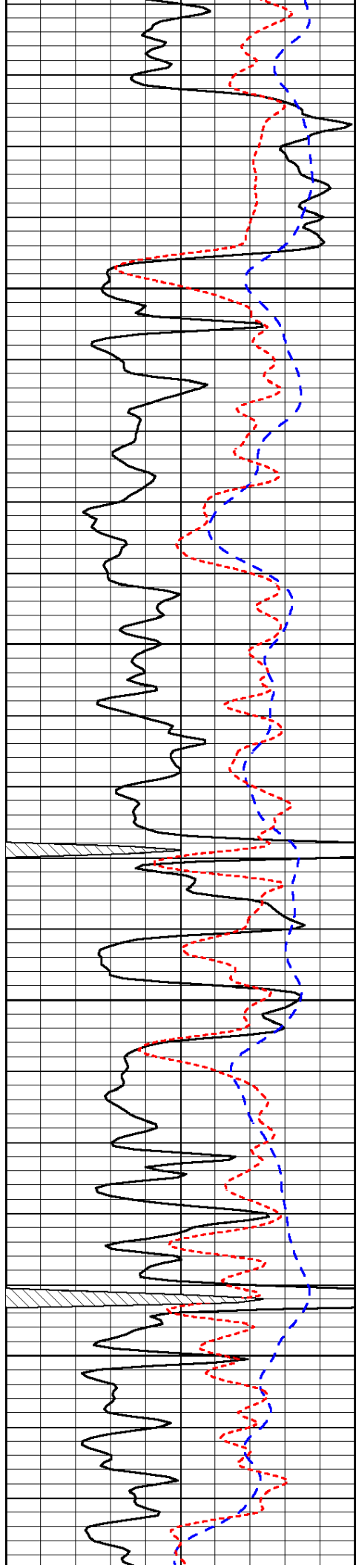
2750



-32

-32



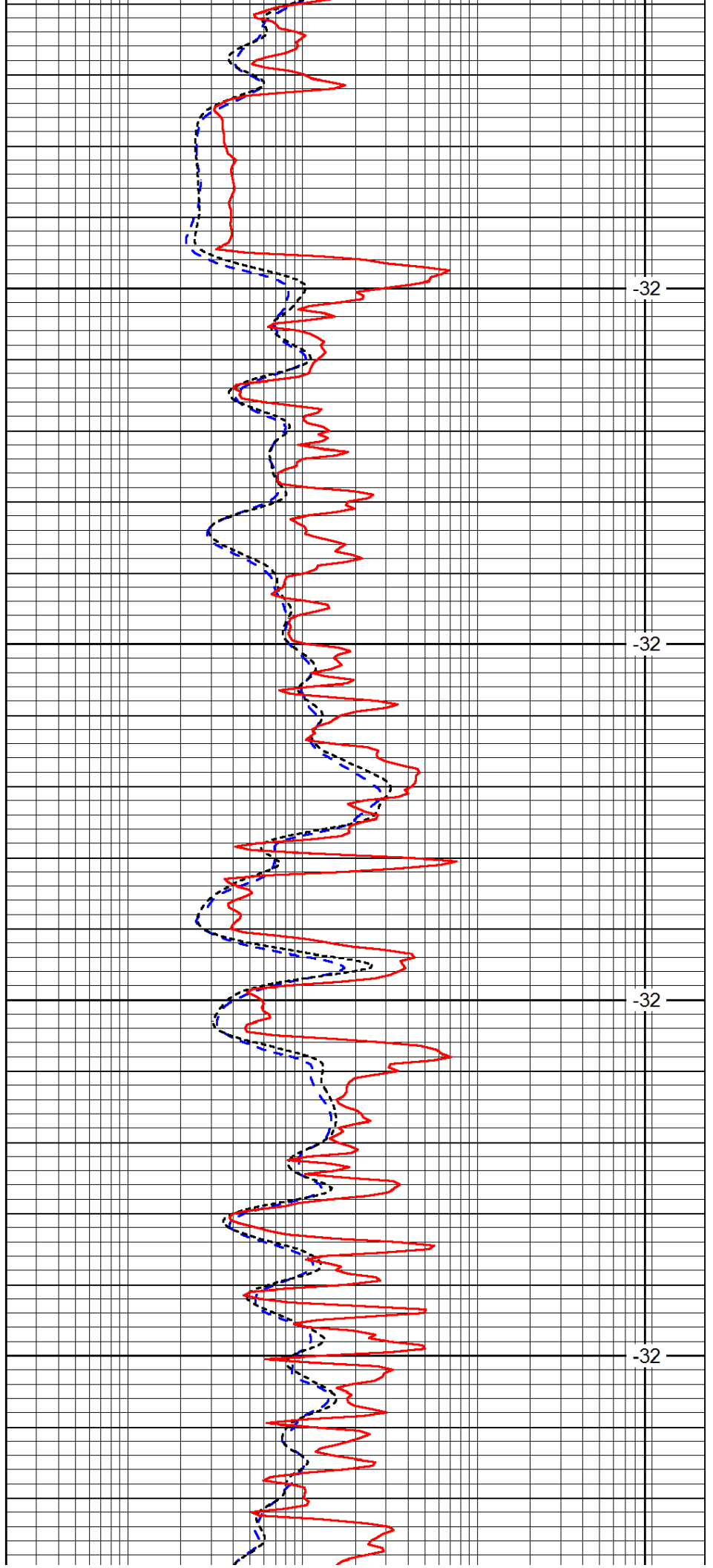


2800

2850

2900

2950

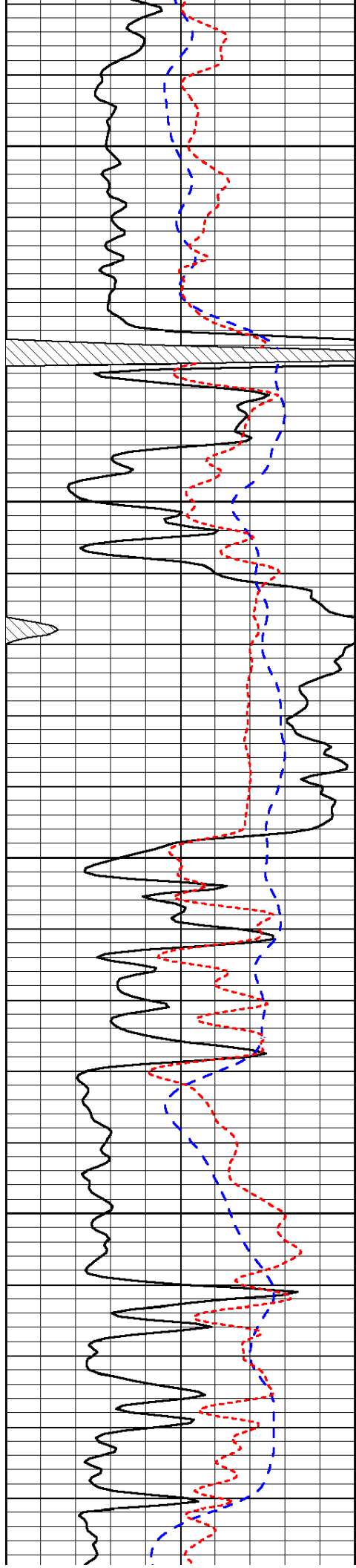


-32

-32

-32

-32



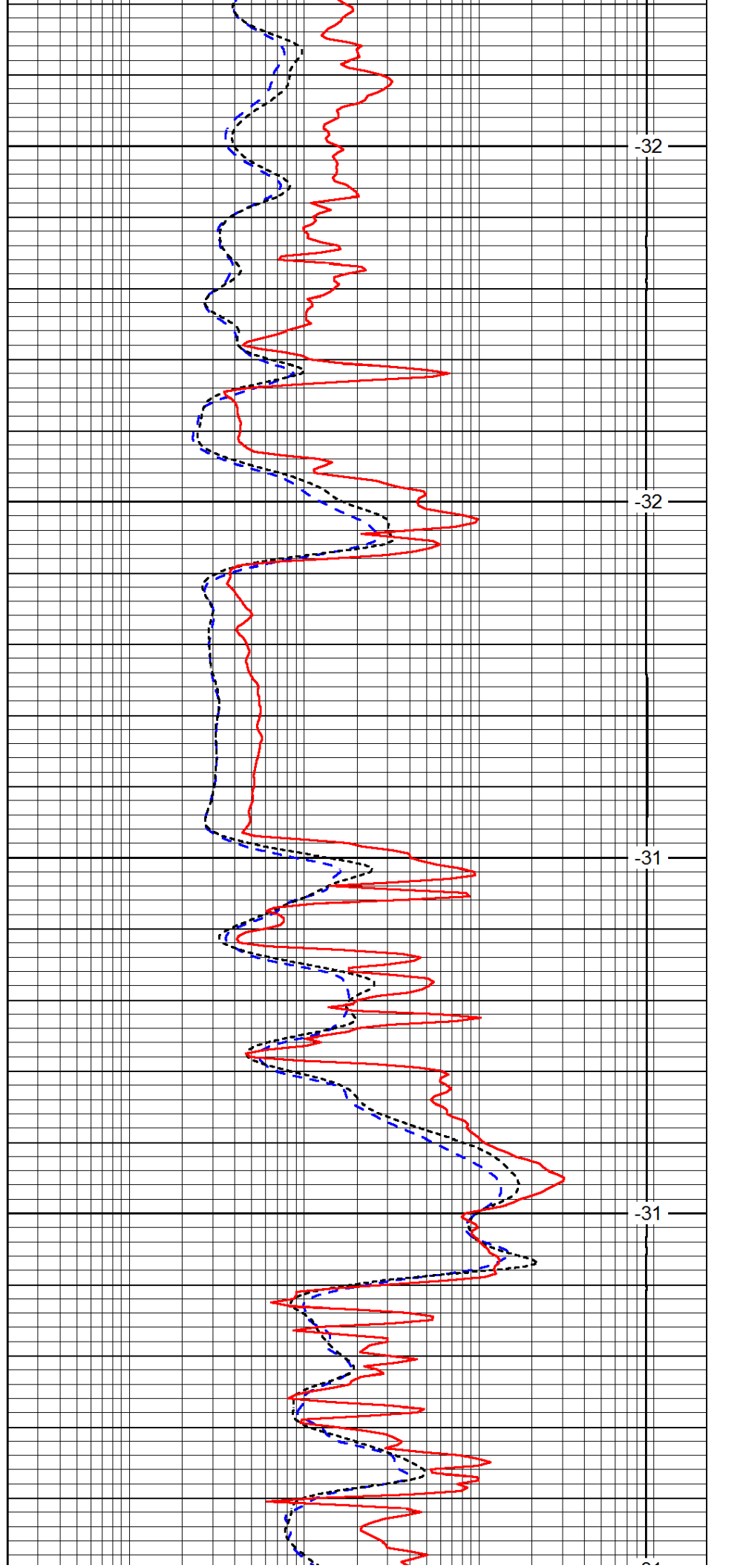
3000

3050

3100

3150

3200



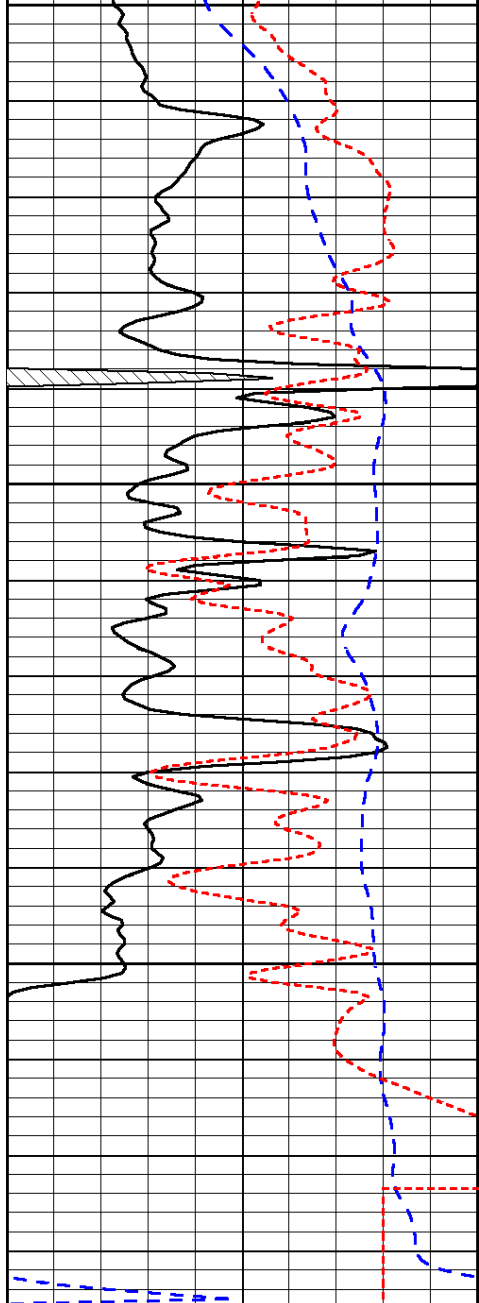
-32

-32

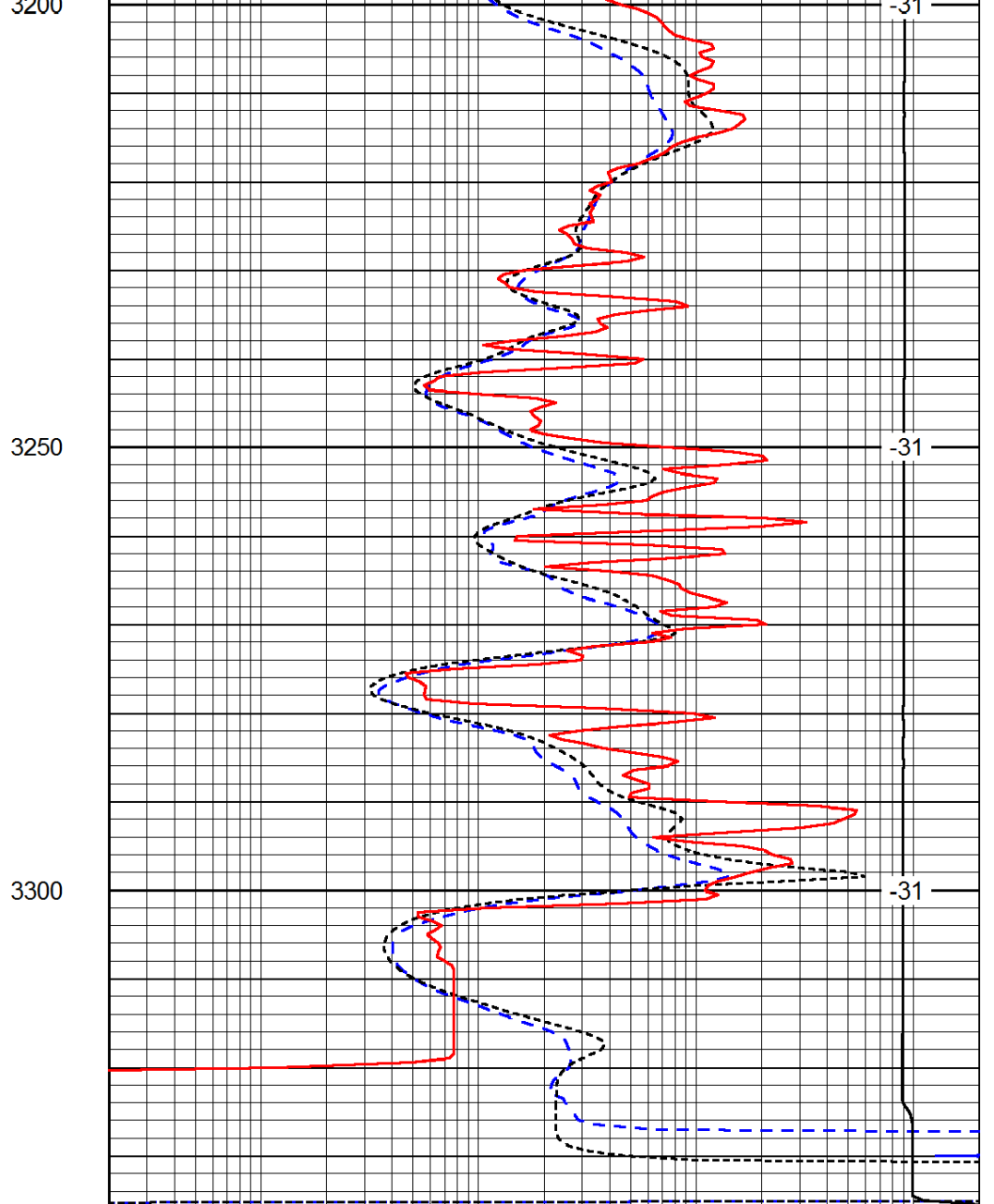
-31

-31

-31



0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD